

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013019\
 Data File : VD060802.D
 Acq On : 30 Jan 2019 13:35
 Operator : VA/AP
 Sample : VD0130SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Quant Time: Jan 31 04:55:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.81	168	514305	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.00	114	757465	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.17	117	604003	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.33	152	311478	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.23	65	441860	56.04	ug/l	0.01
Spiked Amount			Recovery	=	112.08%	
35) Dibromofluoromethane	6.70	113	357311	49.19	ug/l	0.02
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	10.20	98	824511	48.60	ug/l	0.01
Spiked Amount			Recovery	=	97.20%	
62) 4-Bromofluorobenzene	13.36	95	408238	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	119865	19.169	ug/l	95
3) Chloromethane	1.76	50	77585	20.723	ug/l	90
4) Vinyl Chloride	1.86	62	80458	20.246	ug/l	94
5) Bromomethane	2.15	94	25259	20.121	ug/l	89
6) Chloroethane	2.25	64	27562	17.385	ug/l	100
7) Trichlorofluoromethane	2.49	101	162883	20.822	ug/l	94
8) Diethyl Ether	2.82	74	22458	19.483	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.07	101	91249	23.017	ug/l	98
10) Methyl Iodide	3.23	142	92263	22.229	ug/l	96
11) Tert butyl alcohol	3.95	59	39247	104.158	ug/l	96
12) 1,1-Dichloroethene	3.06	96	65302	24.104	ug/l	98
13) Acrolein	2.98	56	18618	131.073	ug/l	94
14) Allyl chloride	3.52	41	140635	22.307	ug/l	99
15) Acrylonitrile	4.06	53	89658	106.195	ug/l	97
16) Acetone	3.15	43	122128	107.241	ug/l	97
17) Carbon Disulfide	3.30	76	209698	21.852	ug/l	99
18) Methyl Acetate	3.54	43	42195	18.690	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	258710	20.917	ug/l	98
20) Methylene Chloride	3.69	84	112612	19.656	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	104759	21.935	ug/l	90
22) Diisopropyl ether	4.91	45	328065	20.193	ug/l	96
23) Vinyl Acetate	4.86	43	994532	106.302	ug/l	99
24) 1,1-Dichloroethane	4.79	63	223680	21.031	ug/l	98
25) 2-Butanone	5.86	43	143946	98.753	ug/l	98
26) 2,2-Dichloropropane	5.82	77	238413	21.275	ug/l	96
27) cis-1,2-Dichloroethene	5.82	96	106810	19.637	ug/l	97
28) Bromochloromethane	6.22	49	85619	20.636	ug/l	92
29) Tetrahydrofuran	6.25	42	69452	99.219	ug/l	97
30) Chloroform	6.44	83	261955	20.839	ug/l	94
31) Cyclohexane	6.75	56	137821	19.046	ug/l	95
32) 1,1,1-Trichloroethane	6.65	97	251125	20.745	ug/l	97
36) 1,1-Dichloropropene	6.93	75	174696	19.316	ug/l	95
37) Ethyl Acetate	5.96	43	71421	17.691	ug/l #	93
38) Carbon Tetrachloride	6.89	117	227188	20.033	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.66	83	143389	18.932	ug/l	97
40) Benzene	7.24	78	347660	19.477	ug/l	97
41) Methacrylonitrile	6.25	41	92058	35.905	ug/l #	86
42) 1,2-Dichloroethane	7.36	62	194218	18.730	ug/l	93
43) Isopropyl Acetate	9.02	43	93150	17.690	ug/l	96
44) Trichloroethene	8.32	130	121174	20.025	ug/l	95
45) 1,2-Dichloropropane	8.72	63	90753	18.782	ug/l	95
46) Dibromomethane	8.85	93	69422	18.508	ug/l	97
47) Bromodichloromethane	9.16	83	193205	19.083	ug/l	100
48) Methyl methacrylate	8.90	41	66592	18.340	ug/l	94
49) 1,4-Dioxane	8.89	88	12071	403.714	ug/l #	91
51) 4-Methyl-2-Pentanone	10.09	43	334764	98.174	ug/l	100
52) Toluene	10.30	92	226888	20.039	ug/l	95
53) t-1,3-Dichloropropene	10.70	75	176032	19.766	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	179762	19.683	ug/l	97
55) 1,1,2-Trichloroethane	10.99	97	72004	18.652	ug/l	98
56) Ethyl methacrylate	10.84	69	88461	18.916	ug/l	95
57) 1,3-Dichloropropane	11.21	76	128724	19.511	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.64	63	239372	97.556	ug/l	94
59) 2-Hexanone	11.33	43	247552	96.552	ug/l	96
60) Dibromochloromethane	11.48	129	134837	19.429	ug/l	99
61) 1,2-Dibromoethane	11.61	107	82742	18.200	ug/l	97
64) Tetrachloroethene	11.06	164	109648	19.780	ug/l	94
65) Chlorobenzene	12.20	112	267360	19.370	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.32	131	123085	20.756	ug/l	98
67) Ethyl Benzene	12.33	91	544371	21.933	ug/l	98
68) m/p-Xylenes	12.47	106	332898	41.225	ug/l	96
69) o-Xylene	12.86	106	155166	19.415	ug/l	95
70) Styrene	12.88	104	251316	18.752	ug/l	98
71) Bromoform	13.05	173	81933	18.338	ug/l	99
73) Isopropylbenzene	13.21	105	490861	19.765	ug/l	98
74) N-amyl acetate	13.08	43	145491	19.057	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.51	83	81599	18.045	ug/l	90
76) 1,2,3-Trichloropropane	13.54	75	106061	18.569	ug/l	94
77) Bromobenzene	13.48	156	122505	19.190	ug/l	96
78) n-propylbenzene	13.58	91	591182	18.963	ug/l	98
79) 2-Chlorotoluene	13.65	91	401482	21.114	ug/l	93
80) 1,3,5-Trimethylbenzene	14.05	105	428110	20.024	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.28	75	26313	17.670	ug/l #	92
82) 4-Chlorotoluene	13.75	91	452911	21.431	ug/l	93
83) tert-Butylbenzene	14.00	119	442397	19.778	ug/l	96
84) 1,2,4-Trimethylbenzene	14.05	105	428110	20.024	ug/l	96
85) sec-Butylbenzene	14.18	105	522727	20.530	ug/l	97
86) p-Isopropyltoluene	14.30	119	467380	22.609	ug/l	98
87) 1,3-Dichlorobenzene	14.27	146	232407	20.354	ug/l	95
88) 1,4-Dichlorobenzene	14.35	146	215863	19.457	ug/l	96
89) n-Butylbenzene	14.61	91	461720	21.407	ug/l	98
90) Hexachloroethane	14.82	117	119788	19.473	ug/l	80
91) 1,2-Dichlorobenzene	14.62	146	197759	20.866	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.19	75	20779	19.342	ug/l	62

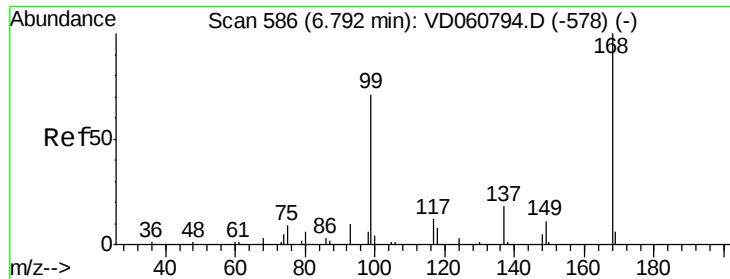
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013019\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	167553	20.417	ug/l	99
94) Hexachlorobutadiene	15.85	225	132770	21.563	ug/l	99
95) Naphthalene	15.94	128	240653	19.086	ug/l	99
96) 1,2,3-Trichlorobenzene	16.09	180	142735	20.002	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

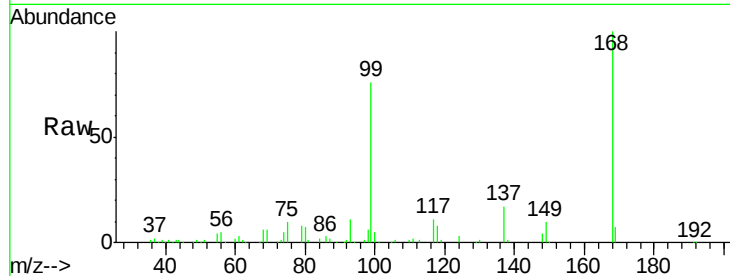


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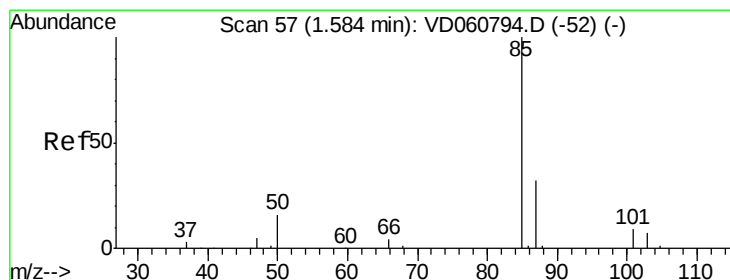
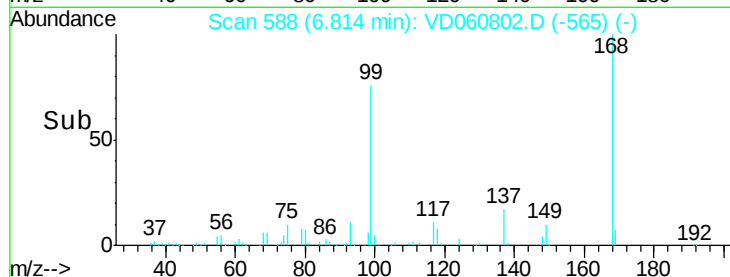
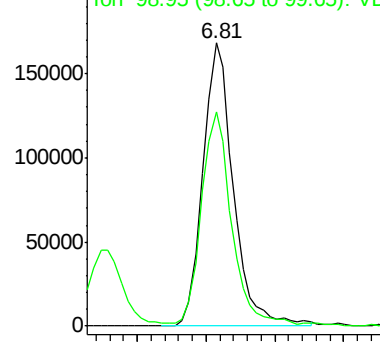
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.81 min Scan# 588
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

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 VD0130SBSD01

Tot Ion:168 Resp: 514305
 Ion Ratio Lower Upper
 168 100
 99 75.7 59.2 88.8



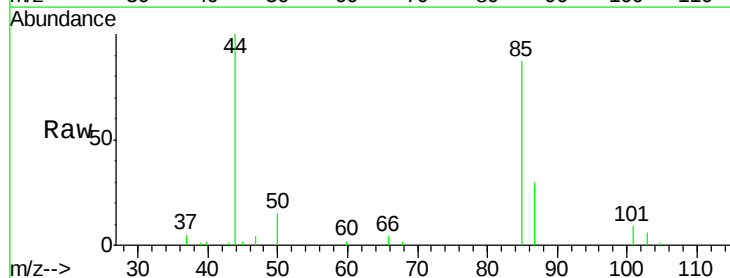
Abundance Ion 167.90 (167.60 to 168.60): V



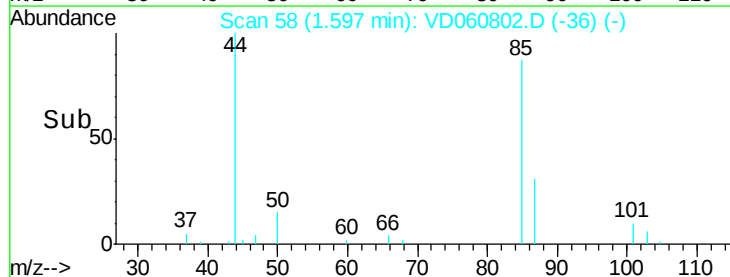
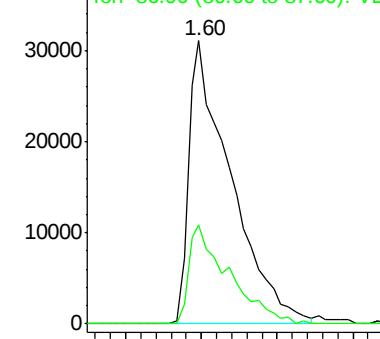
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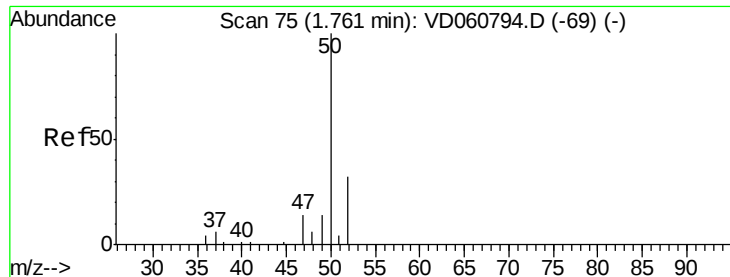
Dichlorodifluoromethane
 Concen: 19.169 ug/l
 RT: 1.60 min Scan# 58
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion: 85 Resp: 119865
 Ion Ratio Lower Upper
 85 100
 87 35.0 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC





#3

Chloromethane

Concen: 20.723 ug/l

RT: 1.76 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

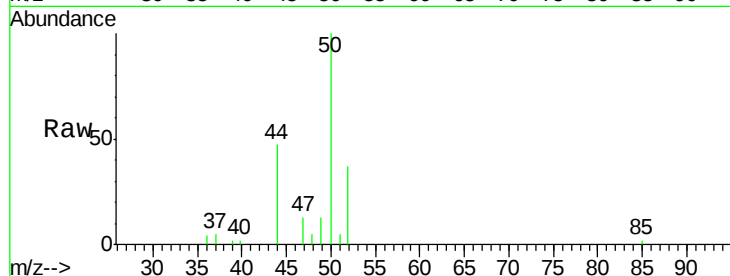
VD0130SBSD01

Tot Ion: 50 Resp: 77585

Ion Ratio Lower Upper

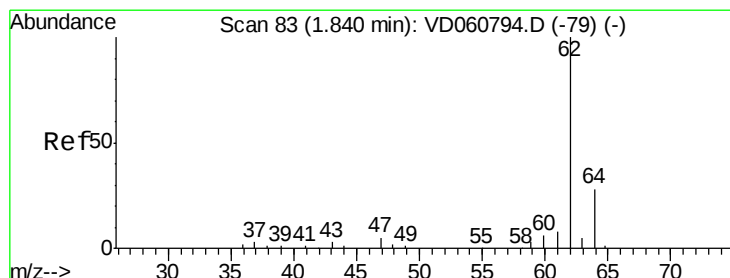
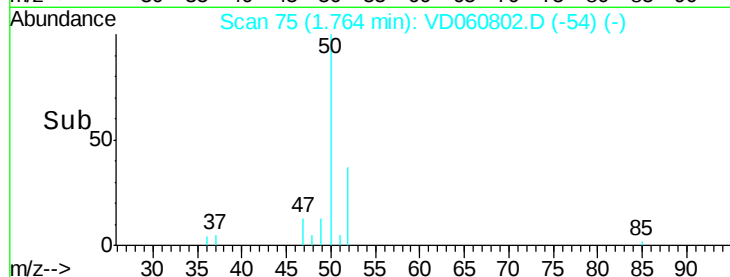
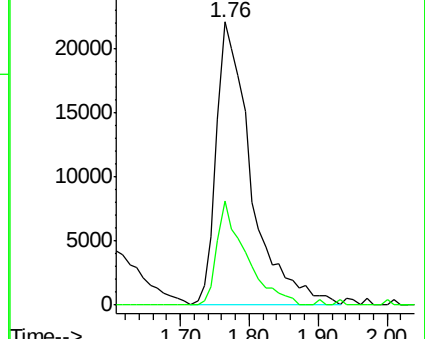
50 100

52 36.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.246 ug/l

RT: 1.86 min Scan# 85

Delta R.T. 0.02 min

Lab File: VD060802.D

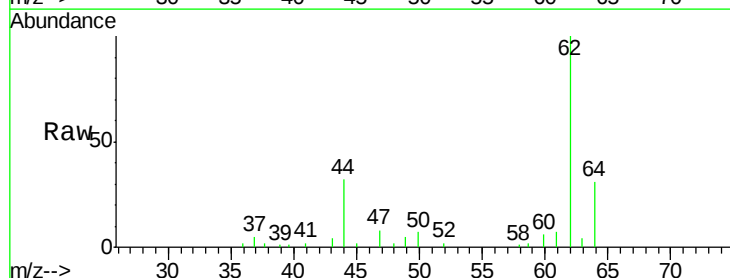
Acq: 30 Jan 2019 13:35

Tgt Ion: 62 Resp: 80458

Ion Ratio Lower Upper

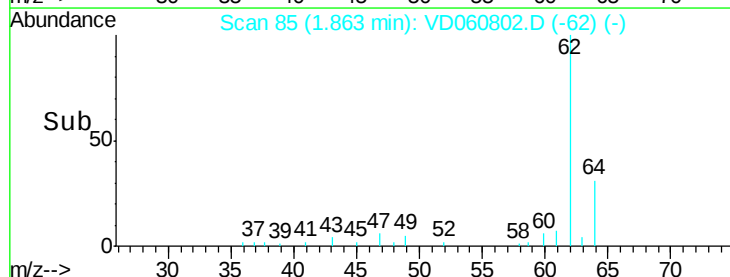
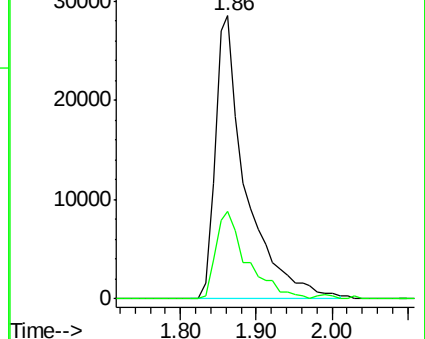
62 100

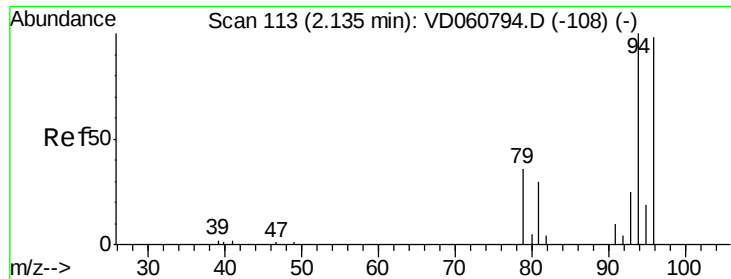
64 30.9 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.121 ug/l

RT: 2.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

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ClientSampleId :

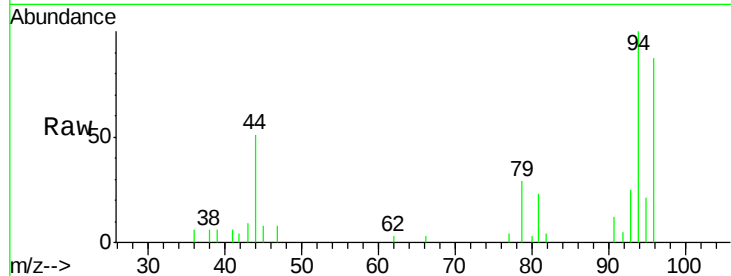
VD0130SBSD01

Tot Ion: 94 Resp: 25259

Ion Ratio Lower Upper

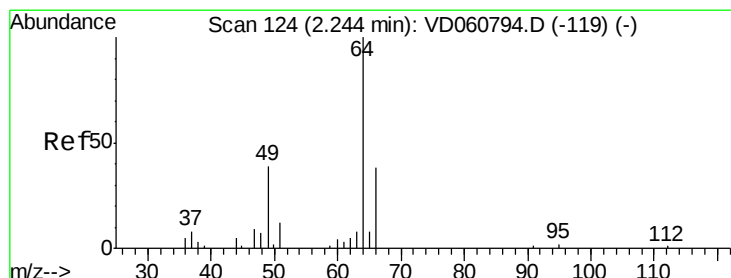
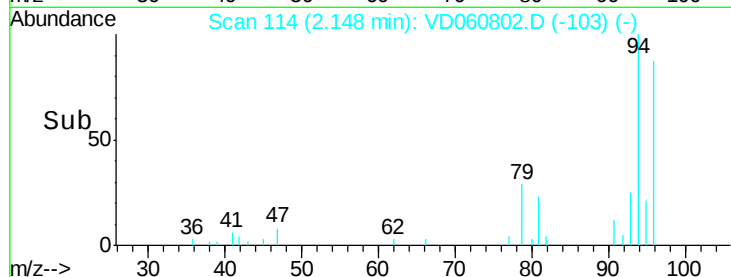
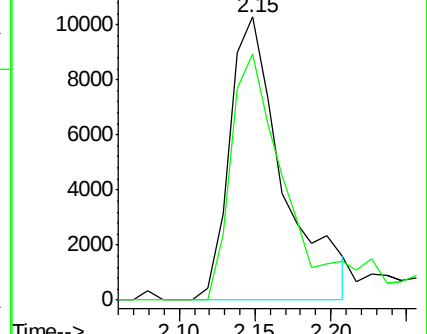
94 100

96 87.0 78.0 117.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.385 ug/l

RT: 2.25 min Scan# 124

Delta R.T. 0.00 min

Lab File: VD060802.D

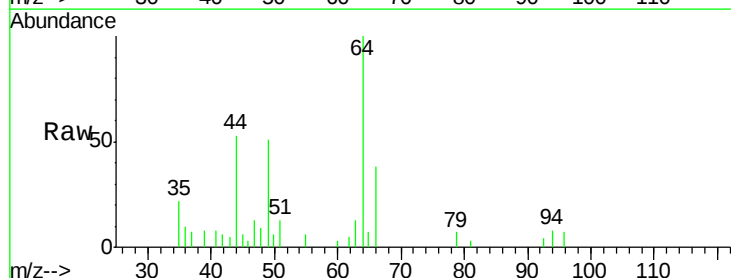
Acq: 30 Jan 2019 13:35

Tgt Ion: 64 Resp: 27562

Ion Ratio Lower Upper

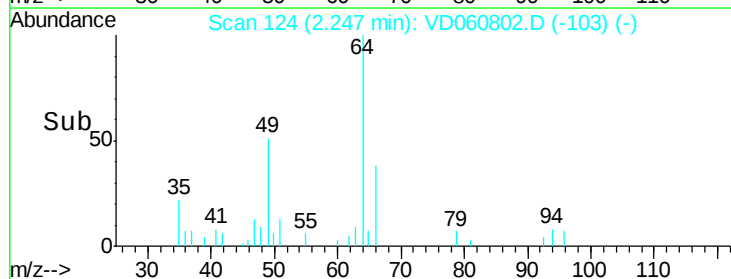
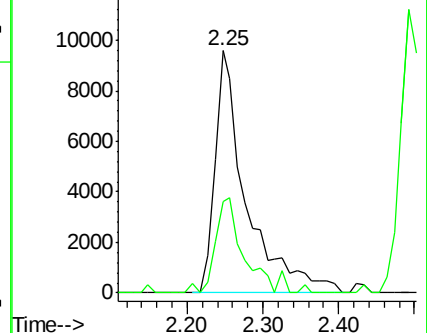
64 100

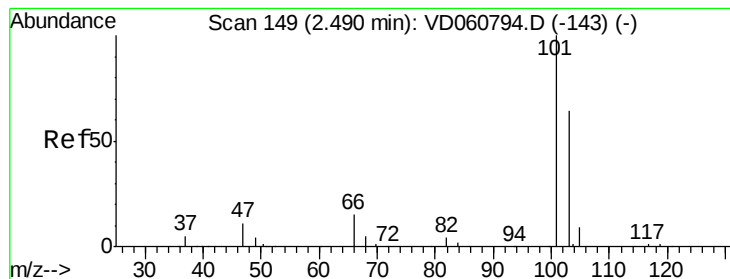
66 37.5 30.2 45.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



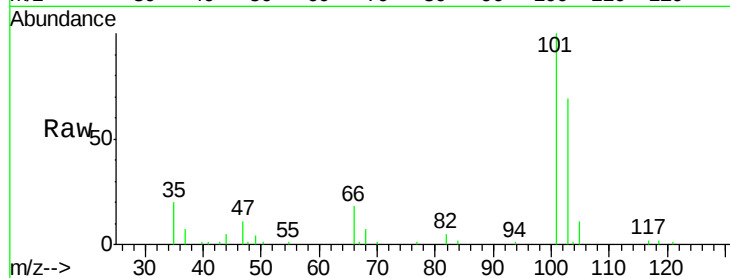


#7

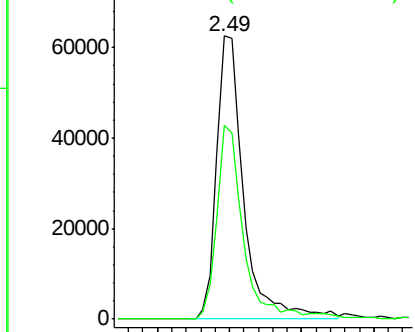
Trichlorofluoromethane
 Concen: 20.822 ug/l
 RT: 2.49 min Scan# 149
 Delta R.T. 0.00 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

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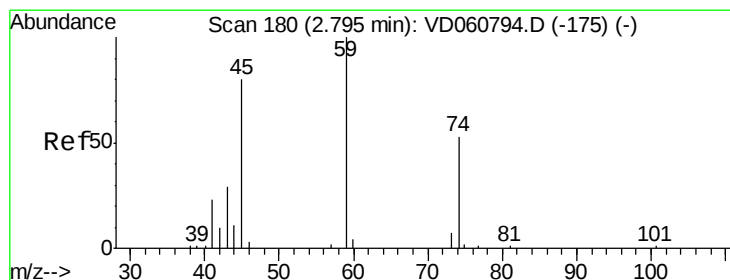
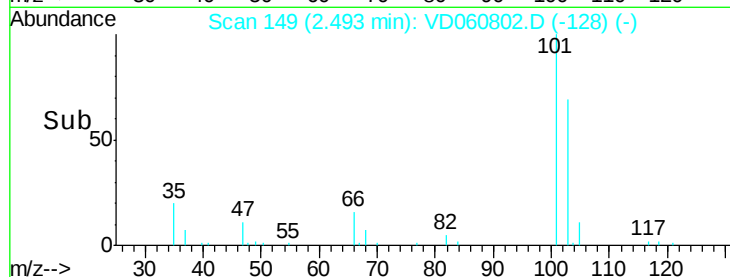
Tot Ion:101 Resp: 162883
 Ion Ratio Lower Upper
 101 100
 103 68.6 51.3 76.9



Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



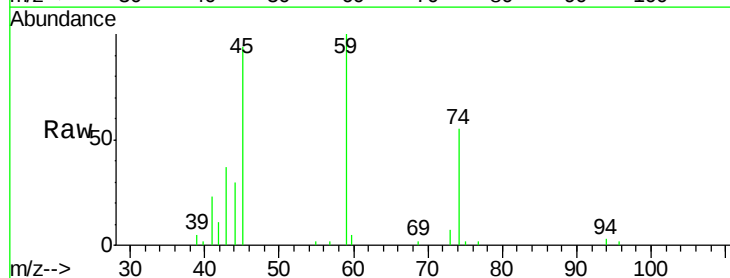
Time-->



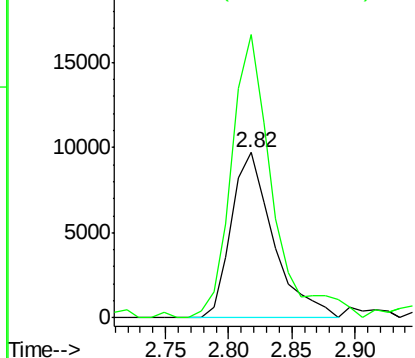
#8

Diethyl Ether
 Concen: 19.483 ug/l
 RT: 2.82 min Scan# 182
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

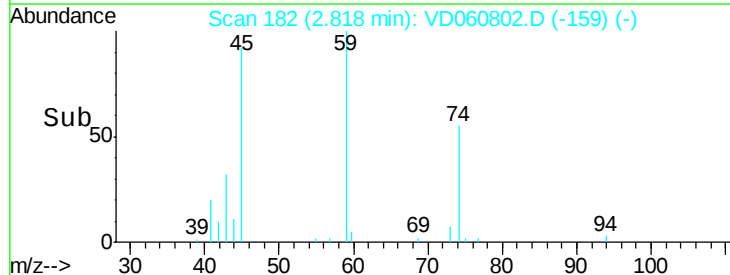
Tgt Ion: 74 Resp: 22458
 Ion Ratio Lower Upper
 74 100
 45 171.4 75.6 226.8

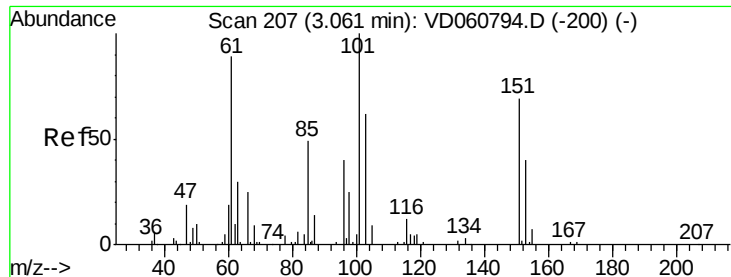


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.017 ug/l

RT: 3.07 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBSD01

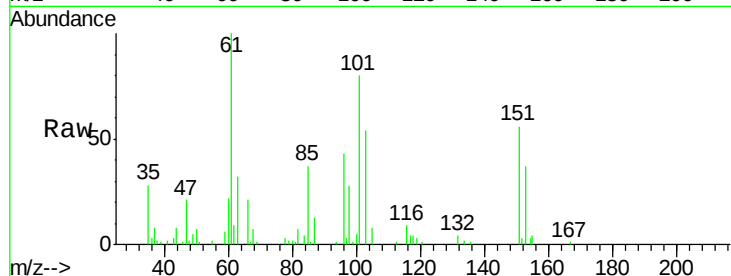
Tot Ion:101 Resp: 91249

Ion Ratio Lower Upper

101 100

85 46.5 39.3 58.9

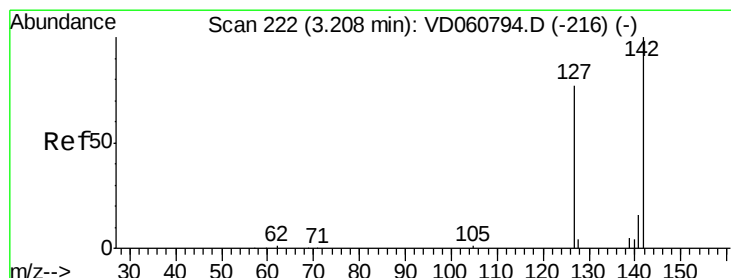
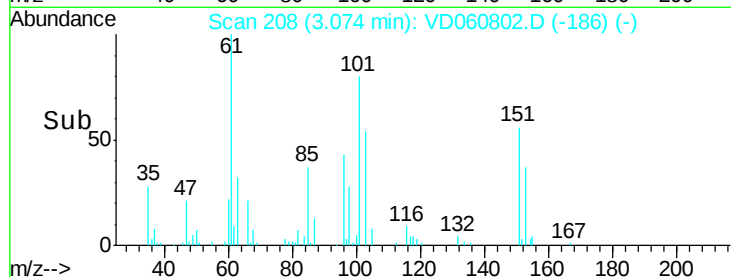
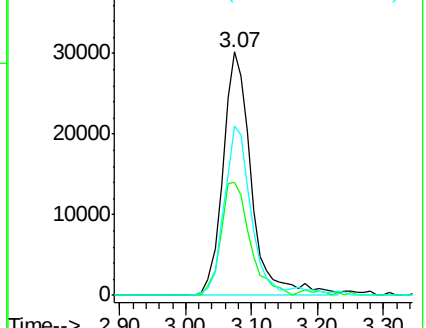
151 69.6 55.1 82.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 22.229 ug/l

RT: 3.23 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

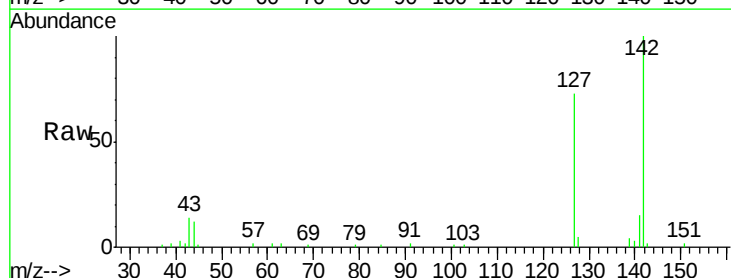
Tgt Ion:142 Resp: 92263

Ion Ratio Lower Upper

142 100

127 73.3 61.6 92.4

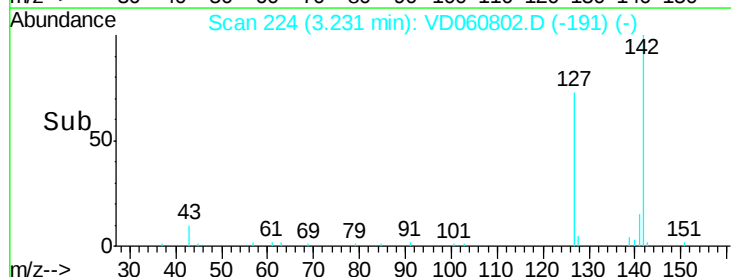
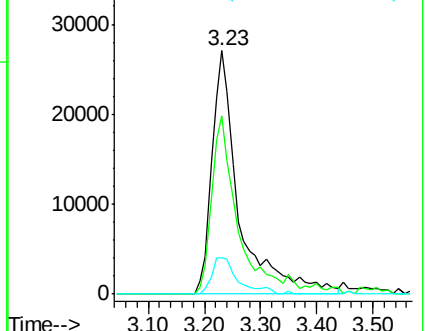
141 14.8 12.5 18.7

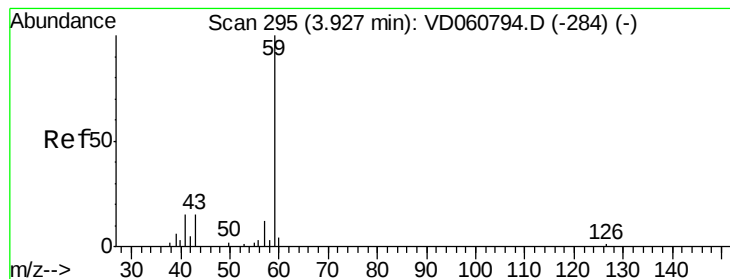


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



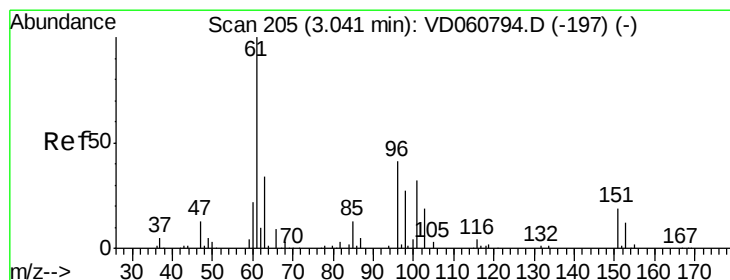
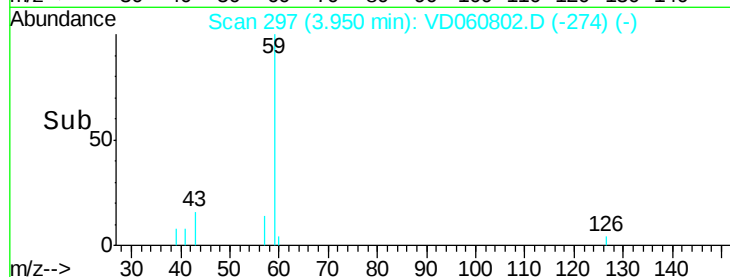
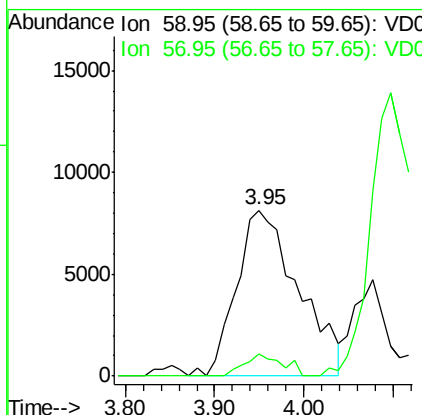
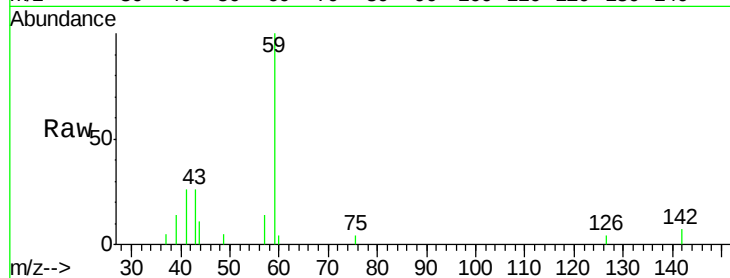


#11

Tert butyl alcohol
 Concen: 104.158 ug/l
 RT: 3.95 min Scan# 297
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBSD01

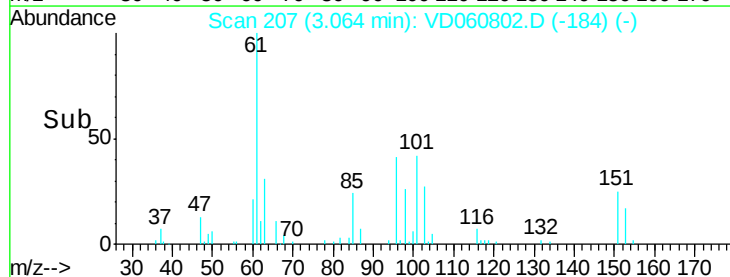
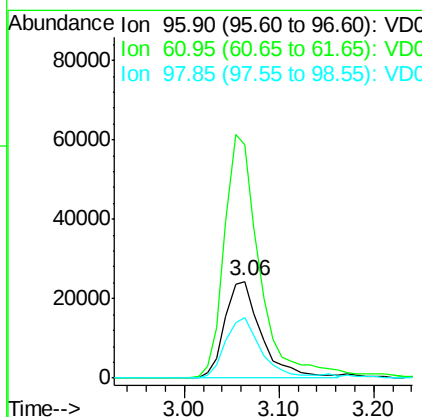
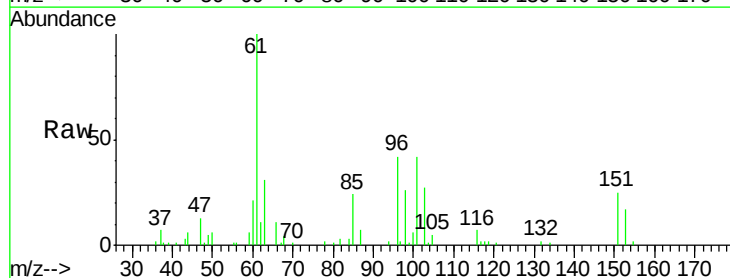
Tot Ion: 59 Resp: 39247
 Ion Ratio Lower Upper
 59 100
 57 13.7 9.8 14.6

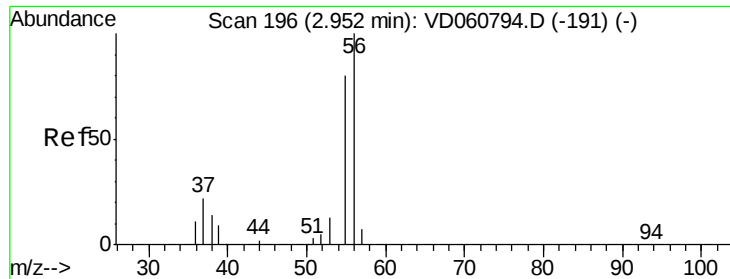


#12

1,1-Dichloroethene
 Concen: 24.104 ug/l
 RT: 3.06 min Scan# 207
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion: 96 Resp: 65302
 Ion Ratio Lower Upper
 96 100
 61 240.5 195.1 292.7
 98 62.9 52.5 78.7





#13

Acrolein

Concen: 131.073 ug/l

RT: 2.98 min Scan# 198

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

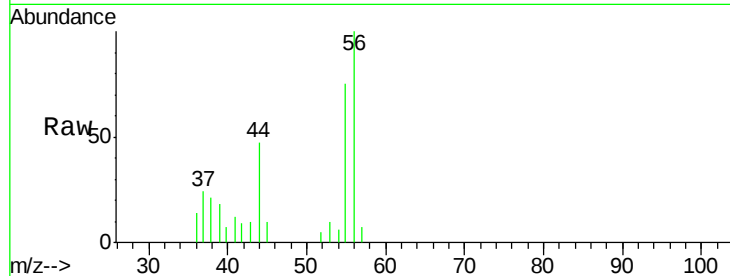
VD0130SBS01

Tot Ion: 56 Resp: 18618

Ion Ratio Lower Upper

56 100

55 74.6 64.2 96.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.98

6000

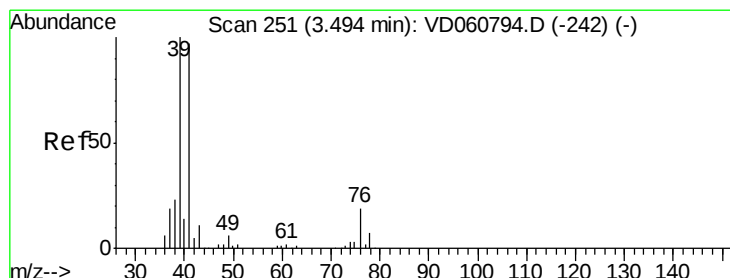
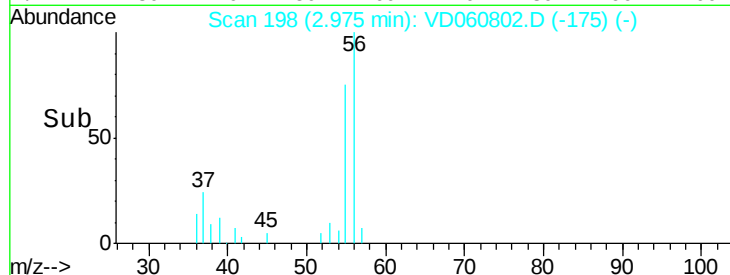
4000

2000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 22.307 ug/l

RT: 3.52 min Scan# 253

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

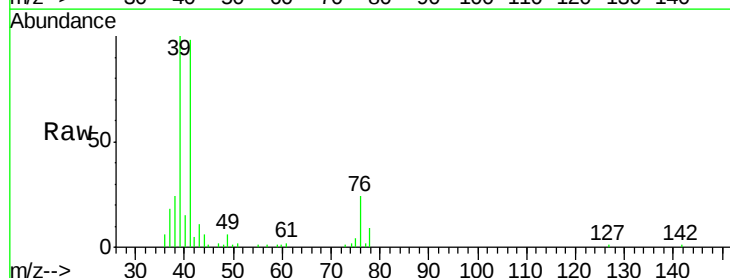
Tgt Ion: 41 Resp: 140635

Ion Ratio Lower Upper

41 100

39 102.3 82.6 123.8

76 24.8 18.9 28.3



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

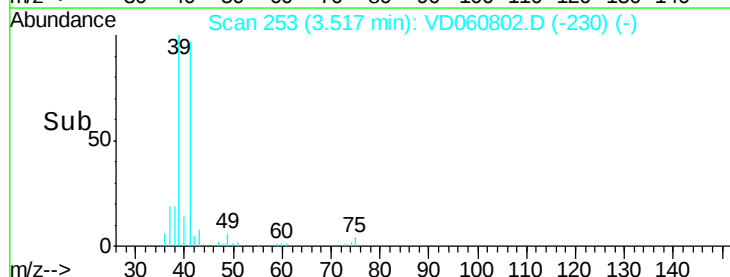
40000

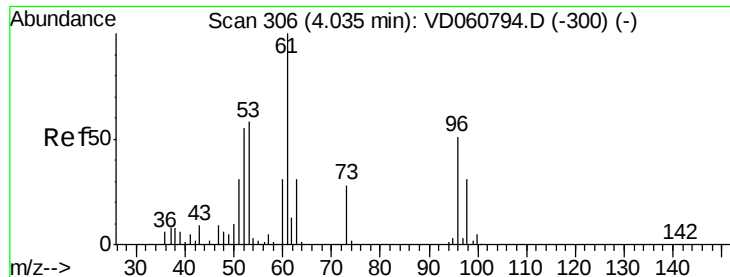
20000

0

Time-->

3.30 3.40 3.50 3.60 3.70





#15

Acrylonitrile

Concen: 106.195 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

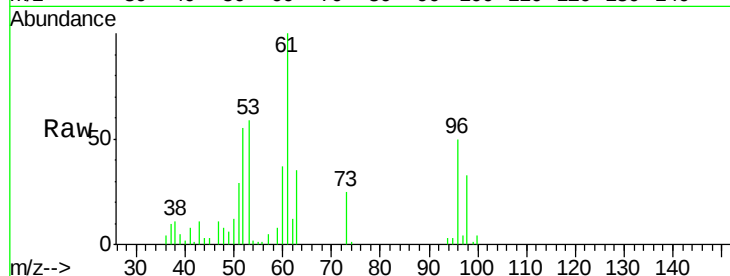
Tot Ion: 53 Resp: 89658

Ion Ratio Lower Upper

53 100

52 93.1 75.4 113.2

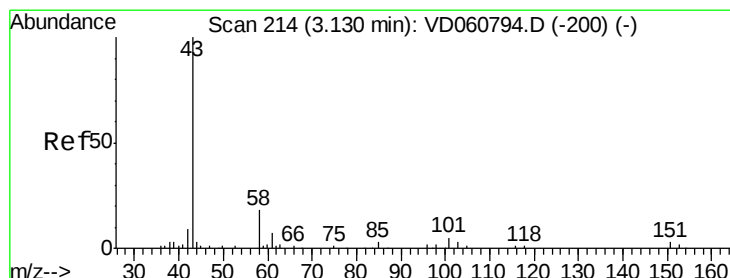
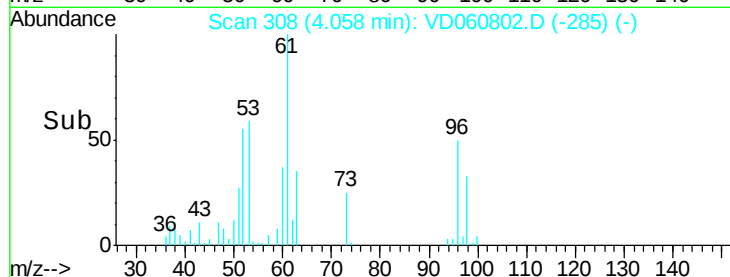
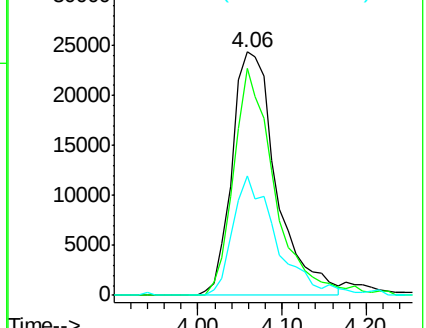
51 49.3 42.5 63.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 107.241 ug/l

RT: 3.15 min Scan# 216

Delta R.T. 0.02 min

Lab File: VD060802.D

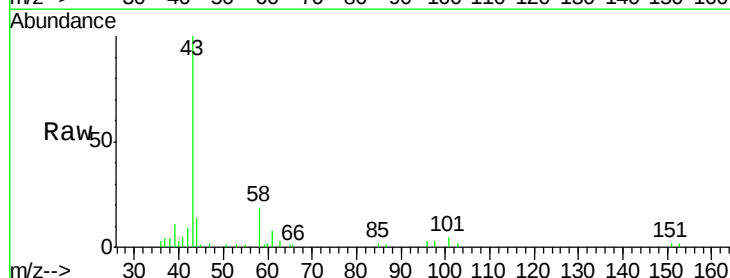
Acq: 30 Jan 2019 13:35

Tgt Ion: 43 Resp: 122128

Ion Ratio Lower Upper

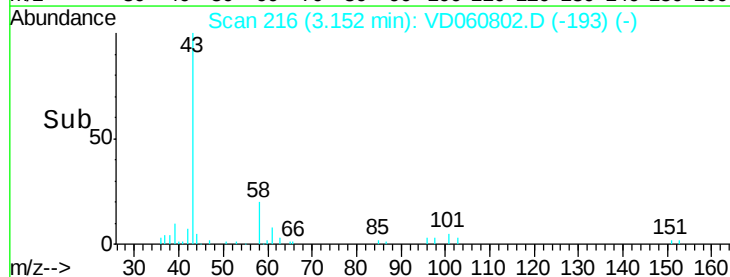
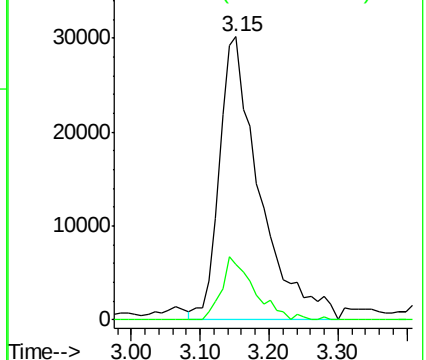
43 100

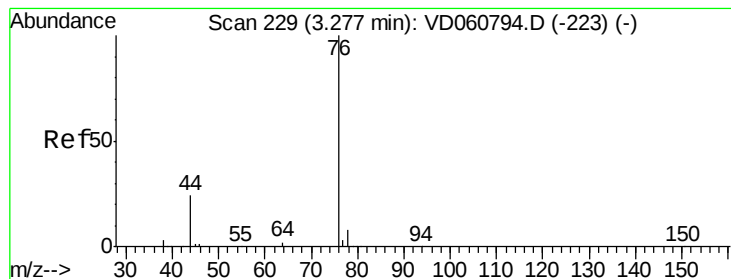
58 19.4 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 21.852 ug/l

RT: 3.30 min Scan# 231

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

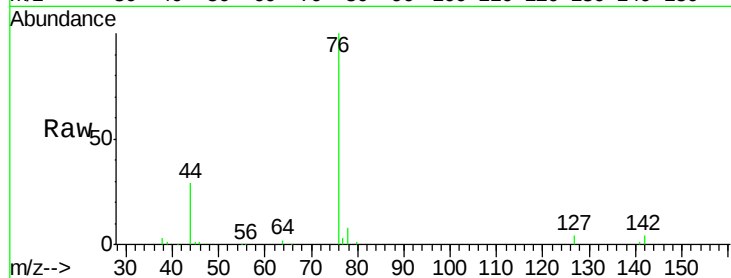
VD0130SBSD01

Tot Ion: 76 Resp: 209698

Ion Ratio Lower Upper

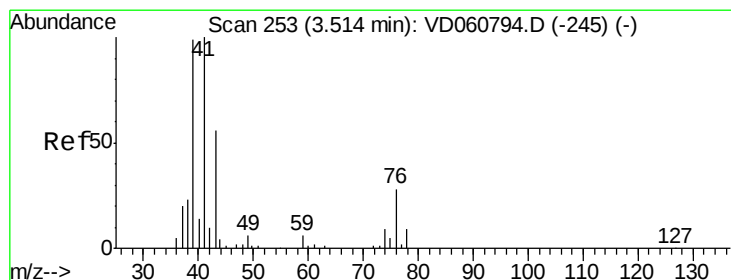
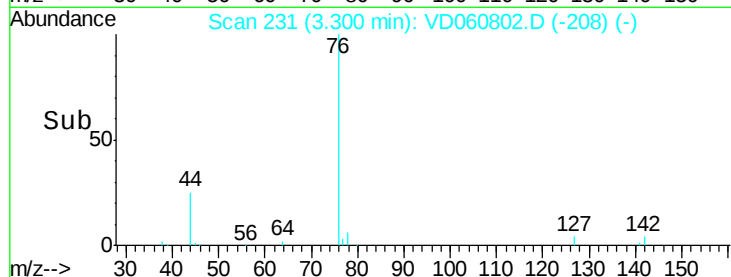
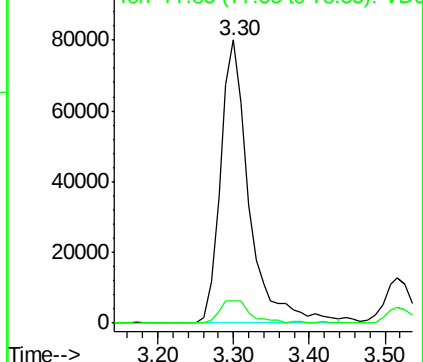
76 100

78 7.9 6.5 9.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 18.690 ug/l

RT: 3.54 min Scan# 255

Delta R.T. 0.02 min

Lab File: VD060802.D

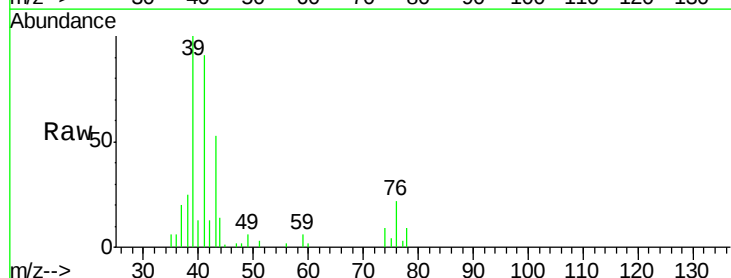
Acq: 30 Jan 2019 13:35

Tgt Ion: 43 Resp: 42195

Ion Ratio Lower Upper

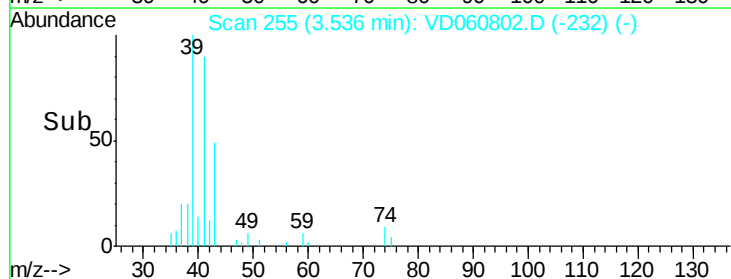
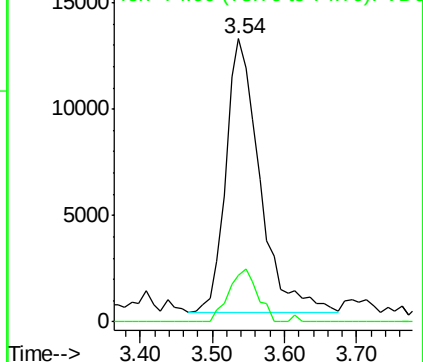
43 100

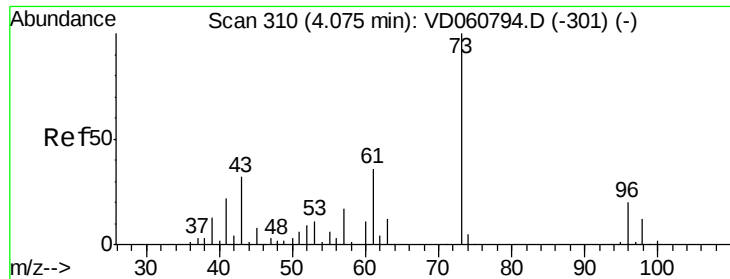
74 16.5 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

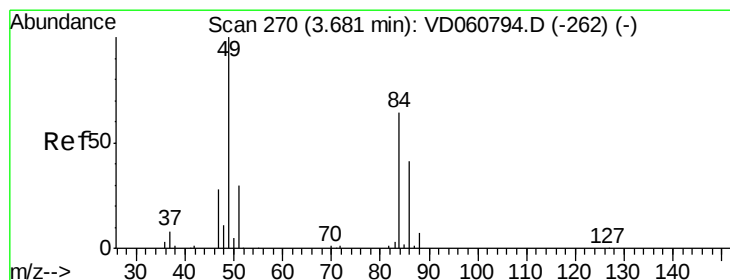
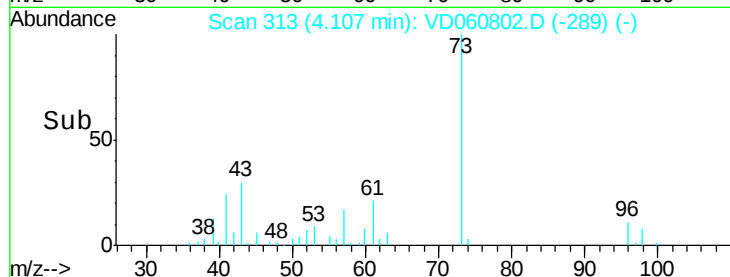
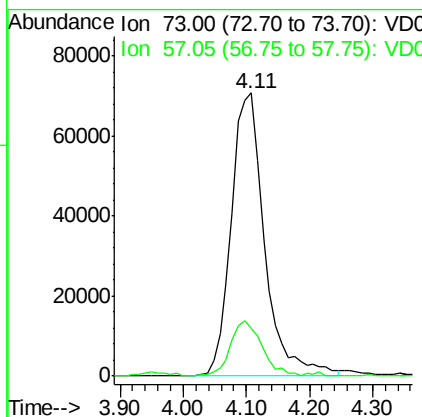
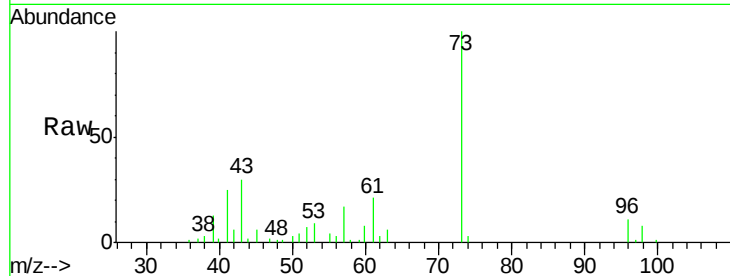




#19
Methyl tert-butyl Ether
Concen: 20.917 ug/l
RT: 4.11 min Scan# 313
Delta R.T. 0.03 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

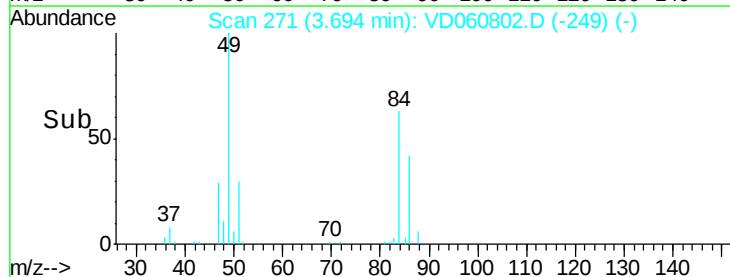
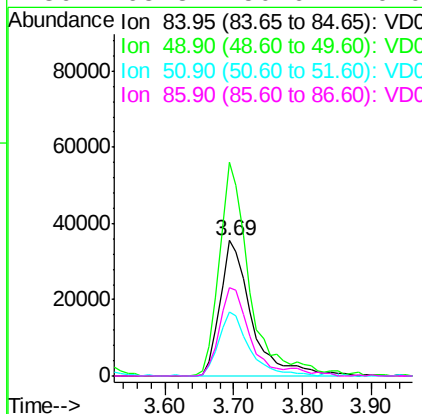
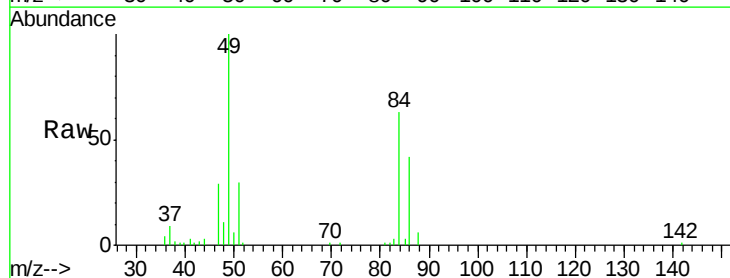
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

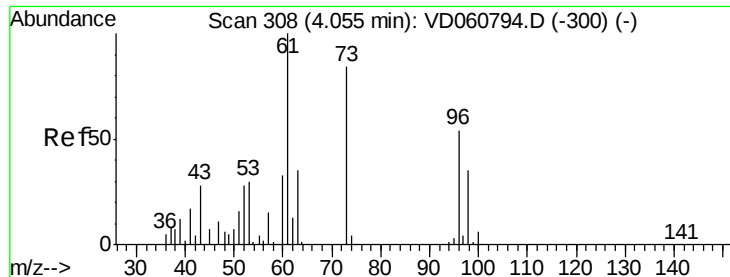
Tot Ion: 73 Resp: 258710
Ion Ratio Lower Upper
73 100
57 16.8 14.0 21.0



#20
Methylene Chloride
Concen: 19.656 ug/l
RT: 3.69 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion: 84 Resp: 112612
Ion Ratio Lower Upper
84 100
49 157.9 124.2 186.2
51 47.4 38.1 57.1
86 65.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 21.935 ug/l

RT: 4.07 min Scan# 309

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBSD01

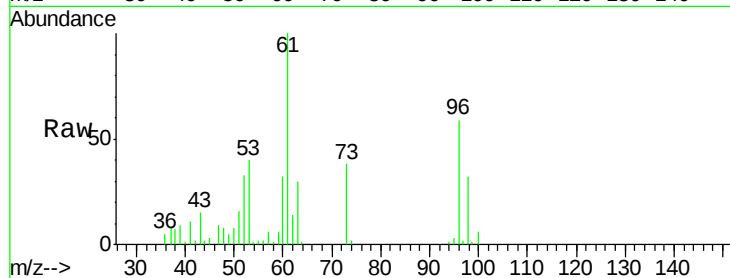
Tot Ion: 96 Resp: 104759

Ion Ratio Lower Upper

96 100

61 170.9 147.4 221.2

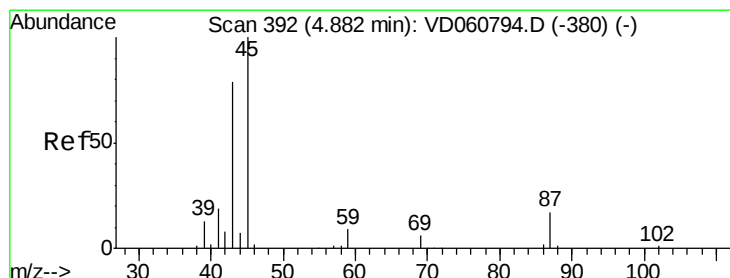
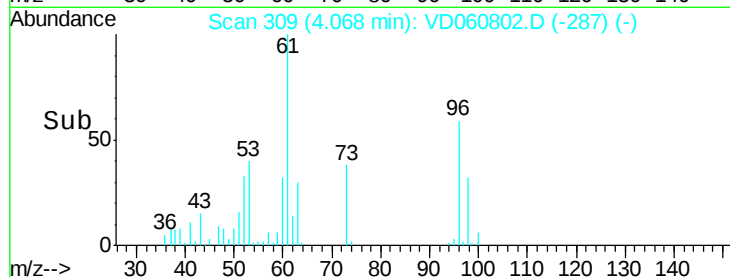
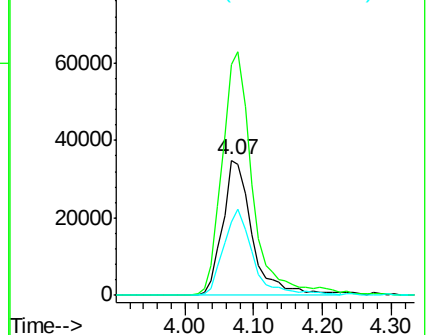
98 54.0 51.5 77.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.193 ug/l

RT: 4.91 min Scan# 395

Delta R.T. 0.03 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Tgt Ion: 45 Resp: 328065

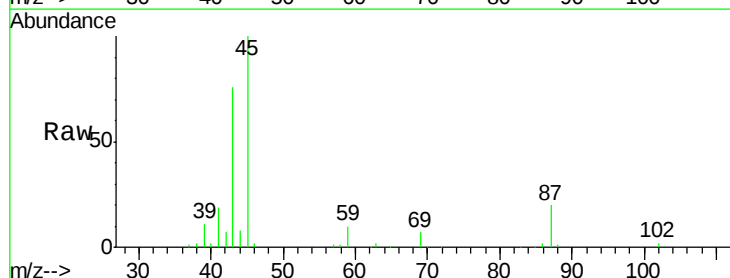
Ion Ratio Lower Upper

45 100

43 76.4 64.3 96.5

87 20.4 14.3 21.5

59 10.0 7.8 11.8

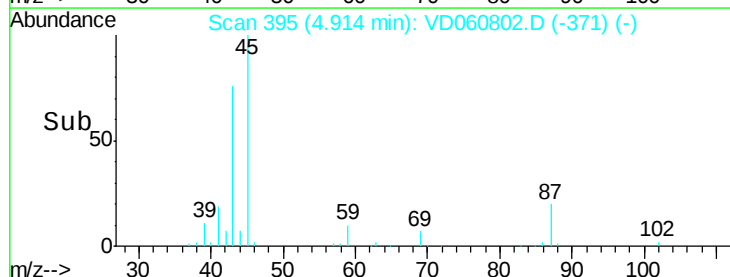
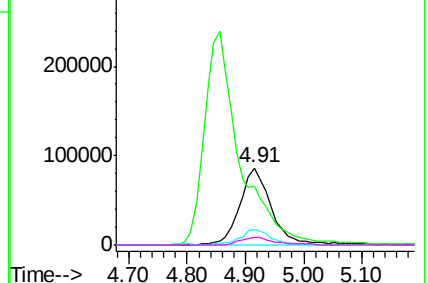


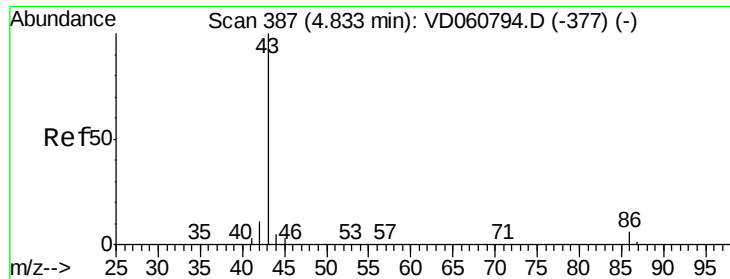
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 106.302 ug/l

RT: 4.86 min Scan# 389

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleID :

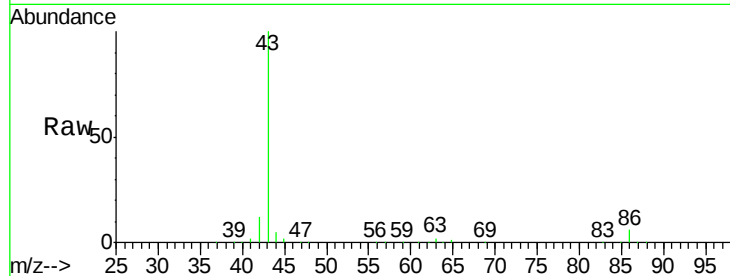
VD0130SBS01

Tot Ion: 43 Resp: 994532

Ion Ratio Lower Upper

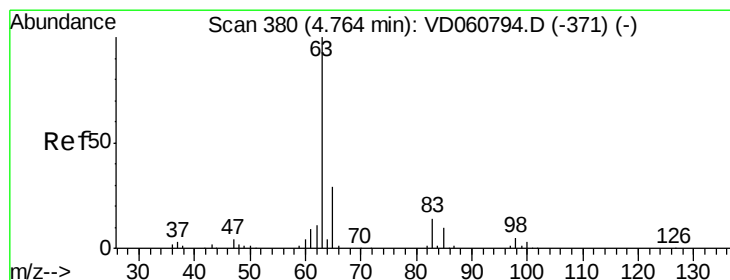
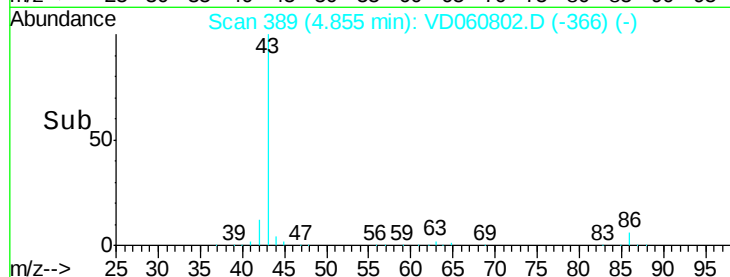
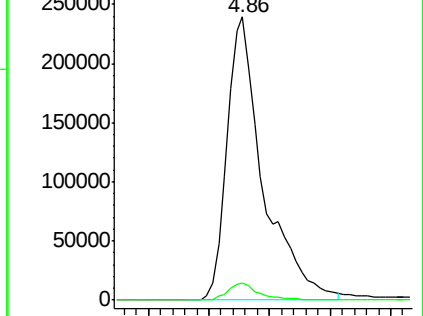
43 100

86 6.3 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.031 ug/l

RT: 4.79 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

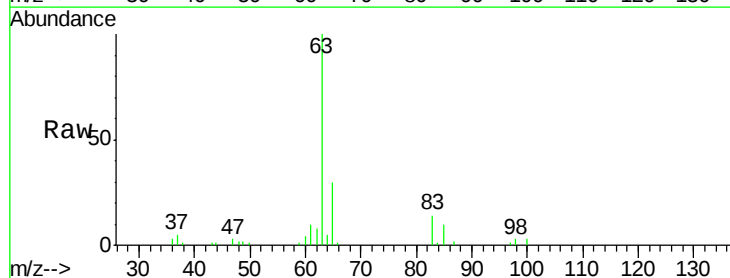
Tgt Ion: 63 Resp: 223680

Ion Ratio Lower Upper

63 100

98 3.5 2.3 6.9

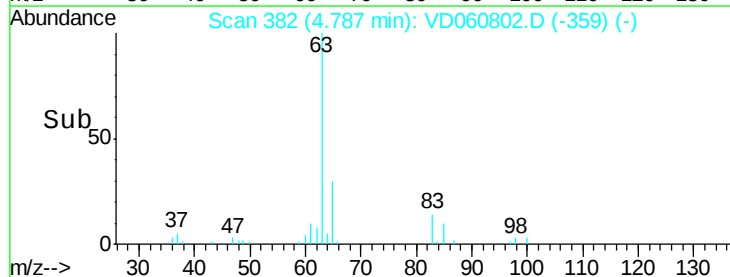
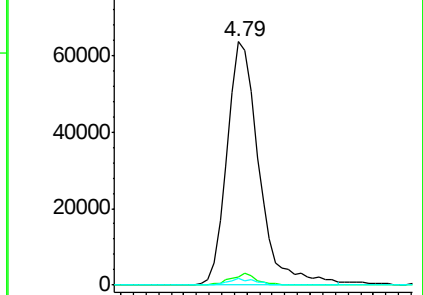
100 2.5 1.3 3.8

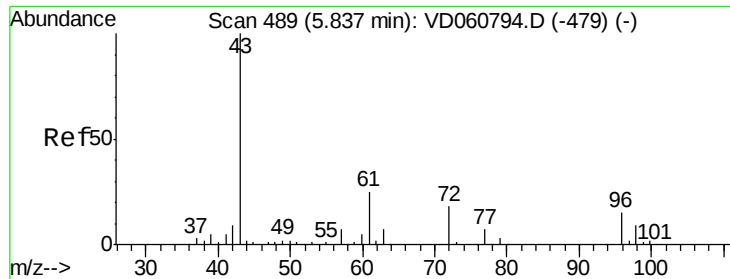


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

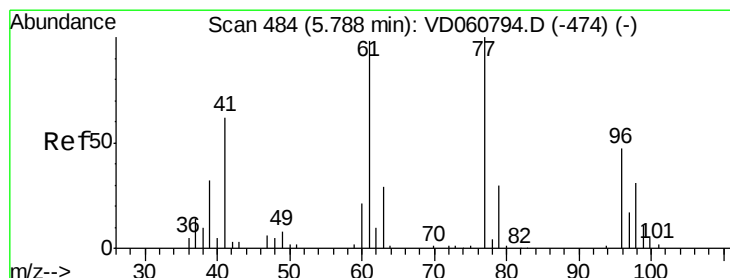
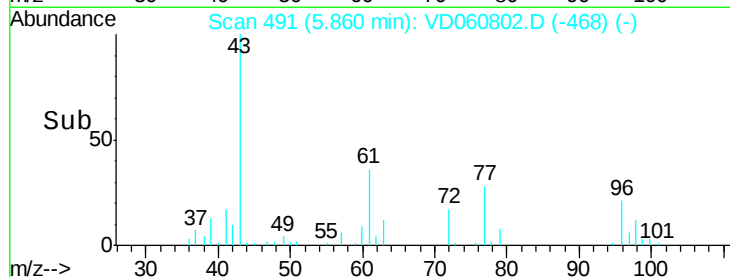
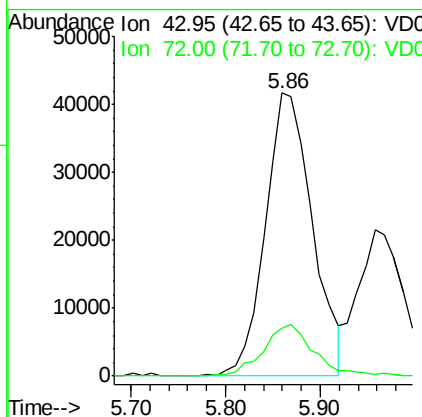
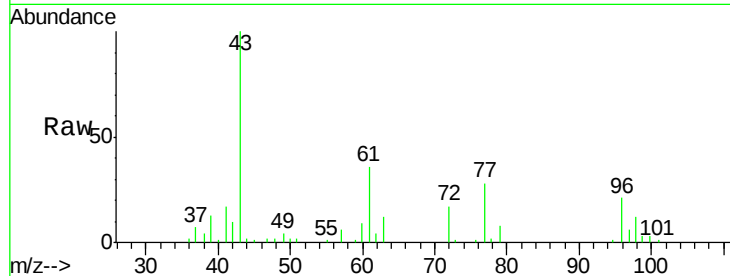




#25
2-Butanone
Concen: 98.753 ug/l
RT: 5.86 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

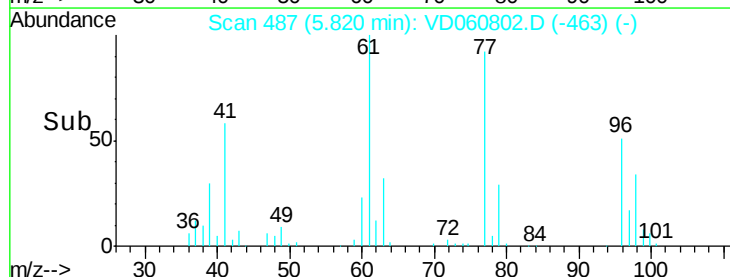
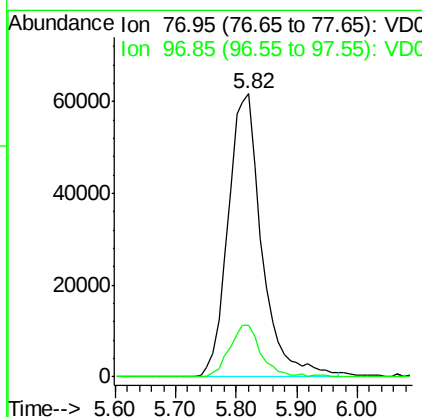
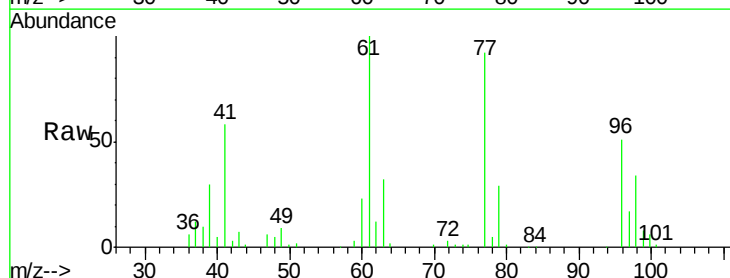
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

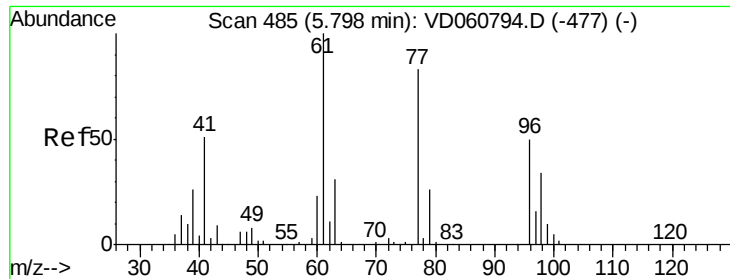
Tot Ion: 43 Resp: 143946
Ion Ratio Lower Upper
43 100
72 16.9 14.4 21.6



#26
2,2-Dichloropropane
Concen: 21.275 ug/l
RT: 5.82 min Scan# 487
Delta R.T. 0.03 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion: 77 Resp: 238413
Ion Ratio Lower Upper
77 100
97 18.2 8.3 24.9

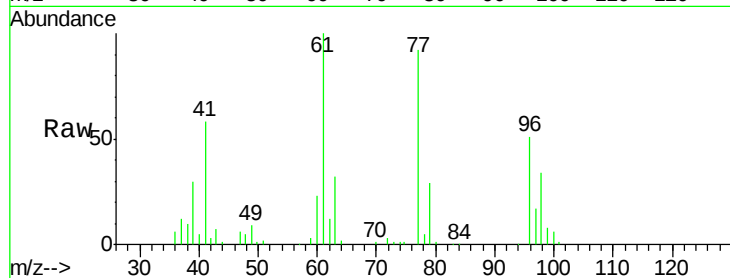




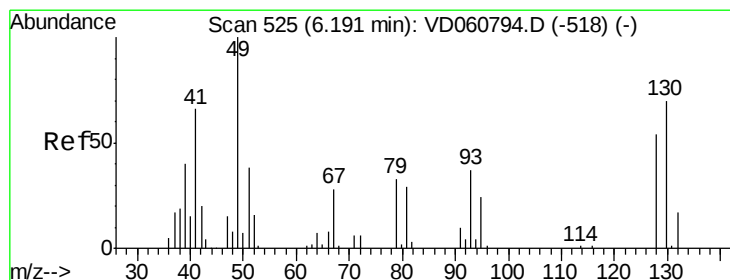
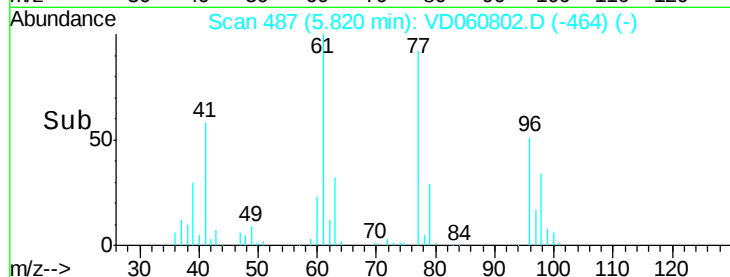
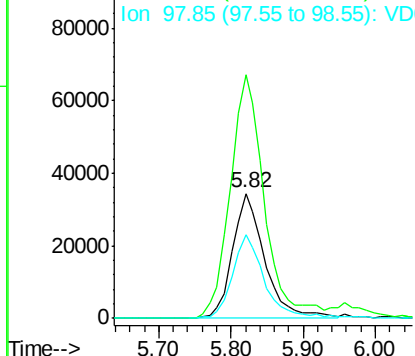
#27
 cis-1,2-Dichloroethene
 Concen: 19.637 ug/l
 RT: 5.82 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBSD01

Tot Ion: 96 Resp: 106810
 Ion Ratio Lower Upper
 96 100
 61 195.2 0.0 400.0
 98 67.0 0.0 136.4

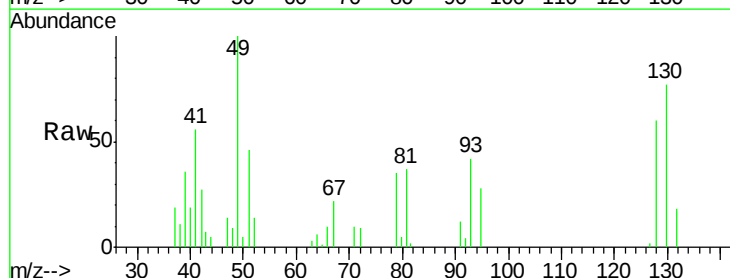


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

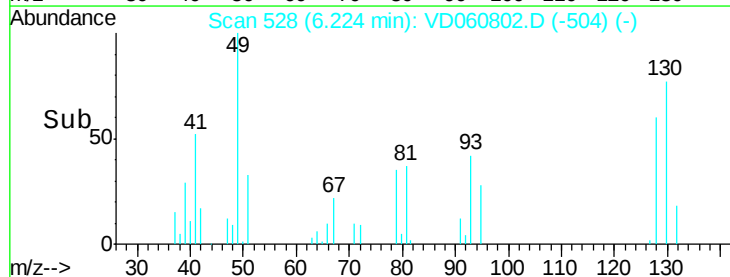
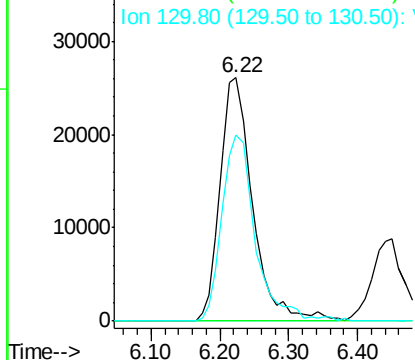


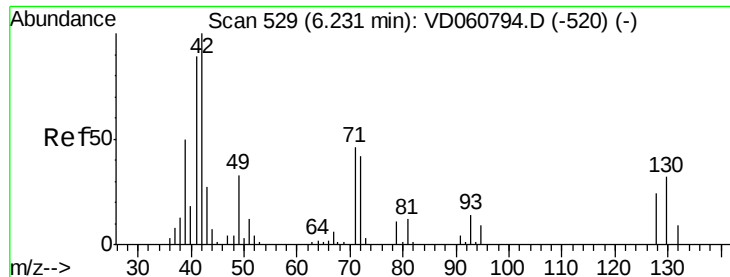
#28
 Bromochloromethane
 Concen: 20.636 ug/l
 RT: 6.22 min Scan# 528
 Delta R.T. 0.03 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion: 49 Resp: 85619
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 76.6 56.1 84.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 99.219 ug/l

RT: 6.25 min Scan# 531

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBSD01

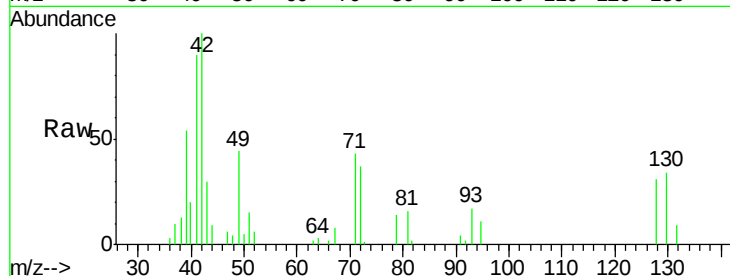
Tot Ion: 42 Resp: 69452

Ion Ratio Lower Upper

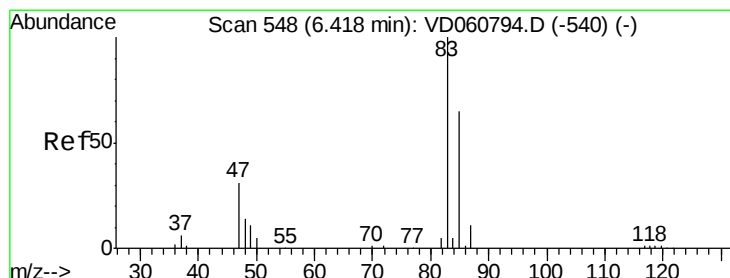
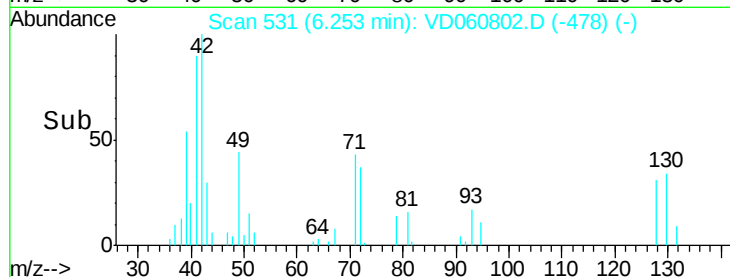
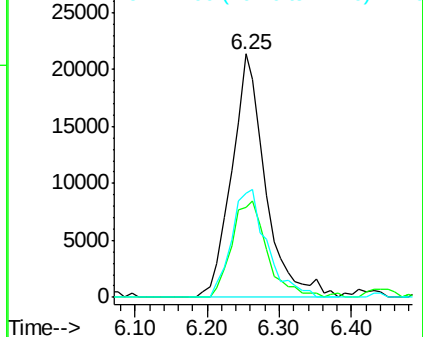
42 100

72 41.2 32.8 49.2

71 46.6 34.6 52.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.839 ug/l

RT: 6.44 min Scan# 550

Delta R.T. 0.02 min

Lab File: VD060802.D

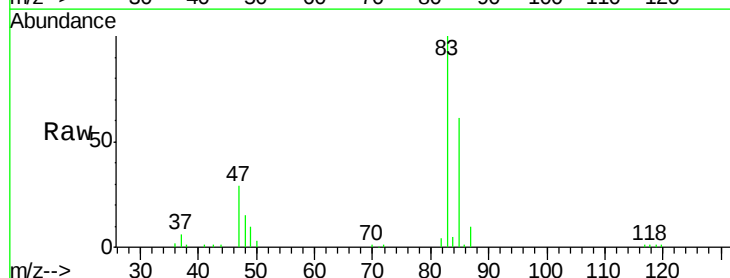
Acq: 30 Jan 2019 13:35

Tgt Ion: 83 Resp: 261955

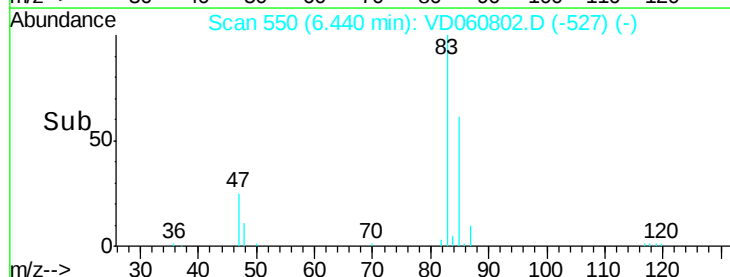
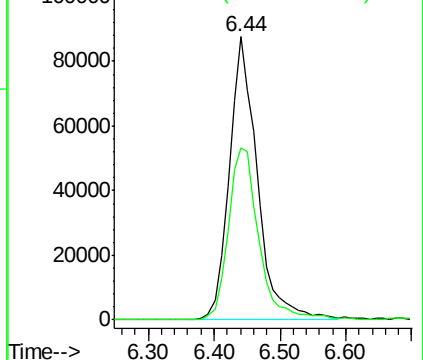
Ion Ratio Lower Upper

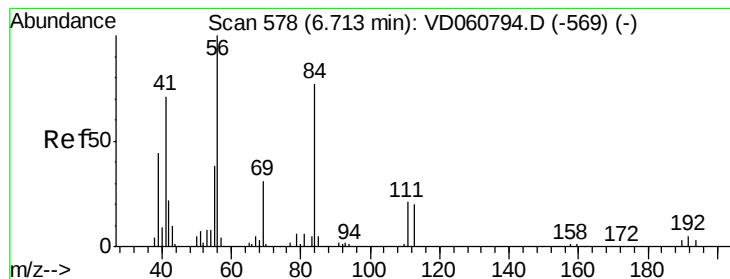
83 100

85 60.8 52.3 78.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.046 ug/l

RT: 6.75 min Scan# 581

Delta R.T. 0.03 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBSD01

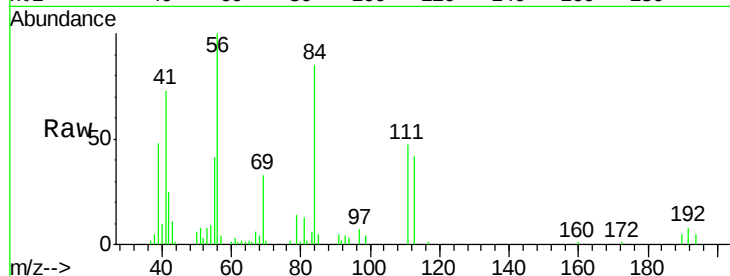
Tot Ion: 56 Resp: 137821

Ion Ratio Lower Upper

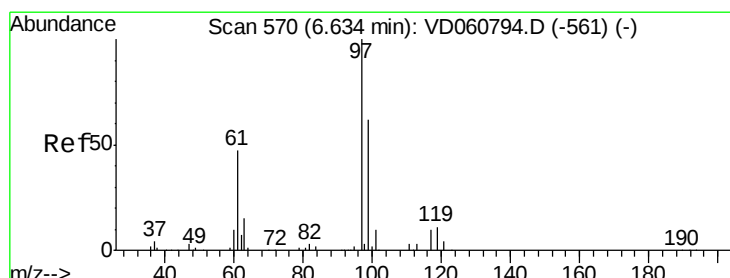
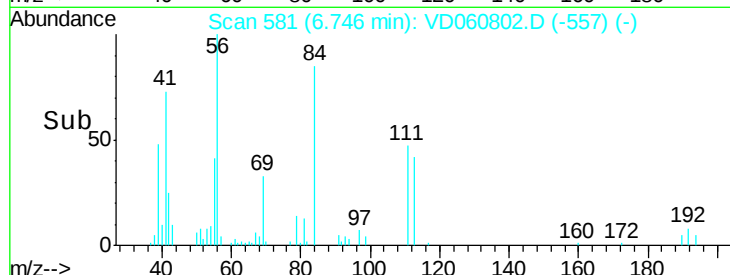
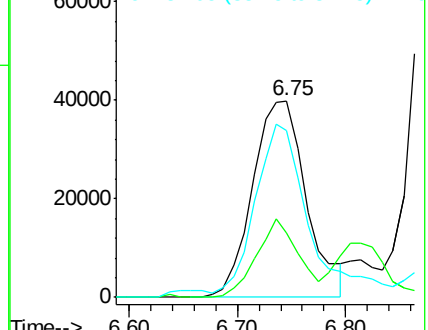
56 100

69 33.1 25.1 37.7

84 85.0 63.9 95.9



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 20.745 ug/l

RT: 6.65 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

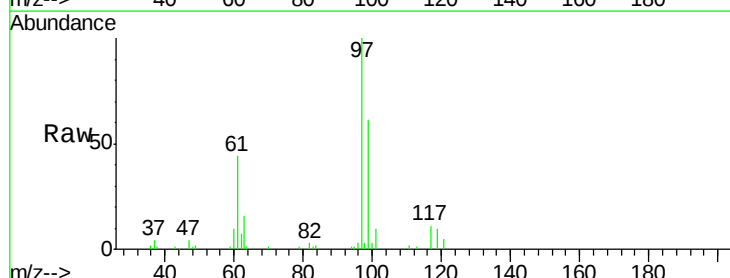
Tgt Ion: 97 Resp: 251125

Ion Ratio Lower Upper

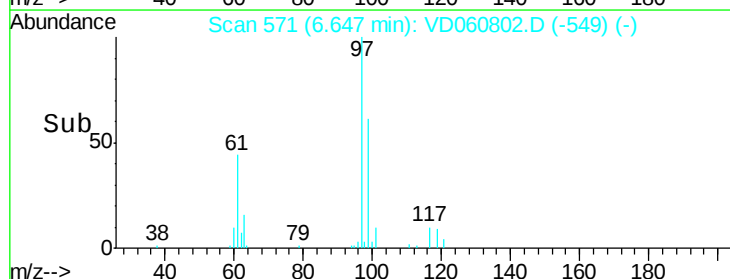
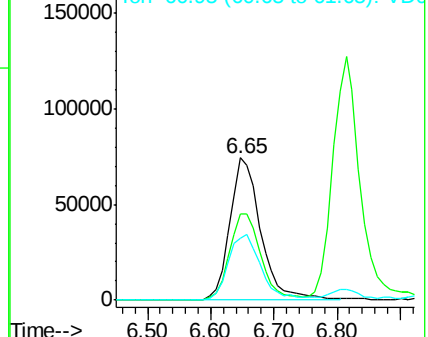
97 100

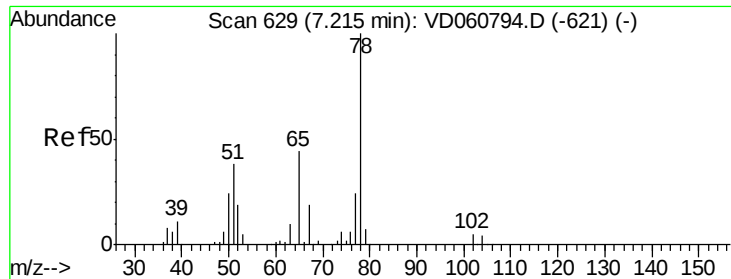
99 61.0 49.6 74.4

61 44.0 37.4 56.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 20.745 ug/l

RT: 7.23 min Scan# 630

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

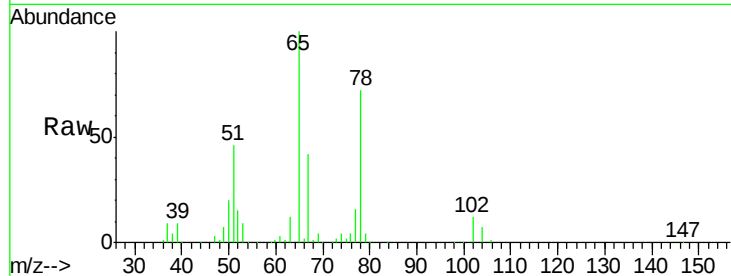
VD0130SBSD01

Tot Ion: 65 Resp: 441860

Ion Ratio Lower Upper

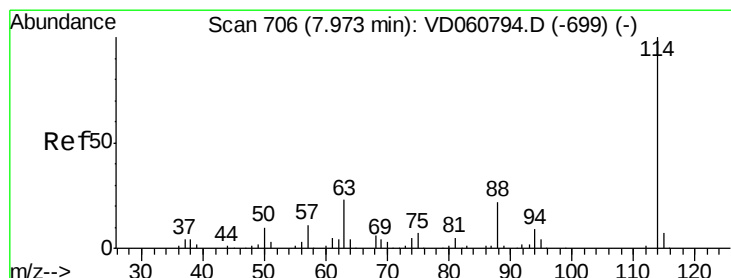
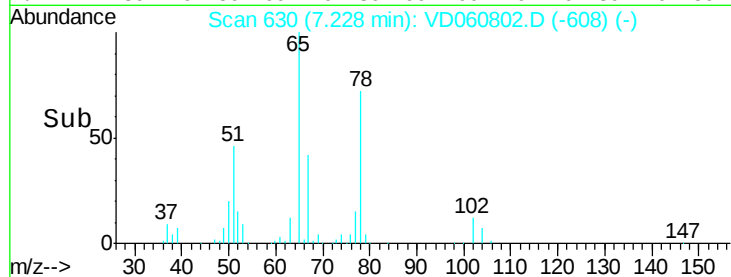
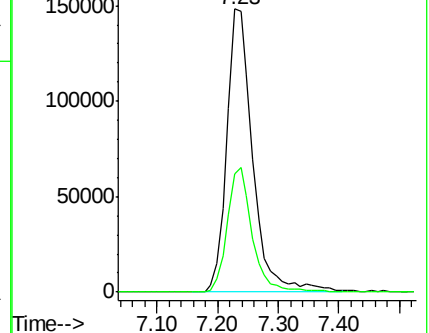
65 100

67 41.7 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

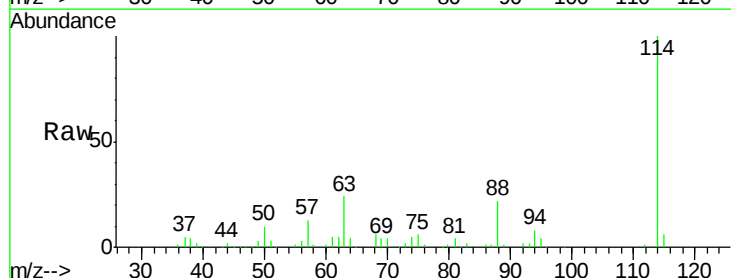
Tgt Ion: 114 Resp: 757465

Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.6

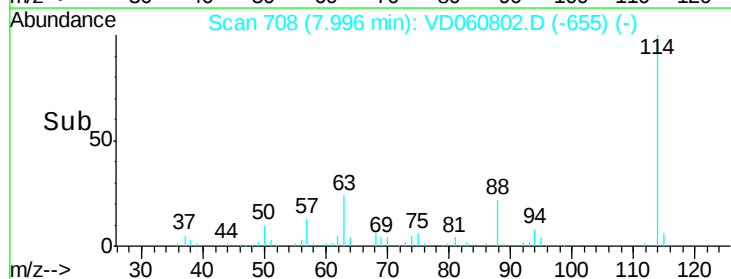
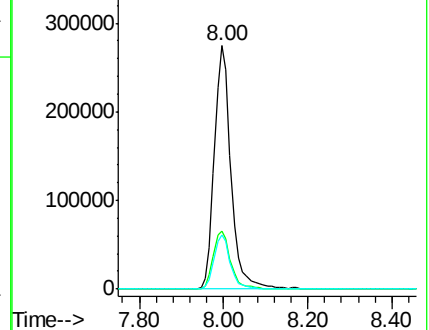
88 22.4 0.0 44.0

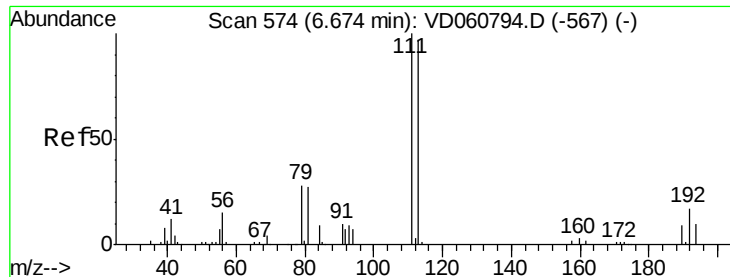


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.70 min Scan# 576

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBSD01

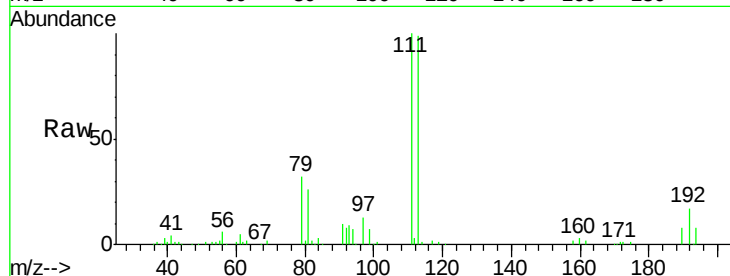
Tot Ion:113 Resp: 357311

Ion Ratio Lower Upper

113 100

111 100.6 82.3 123.5

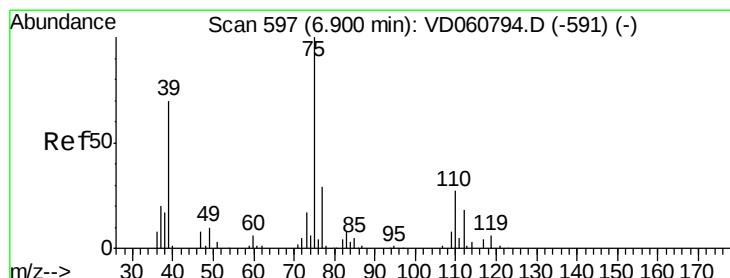
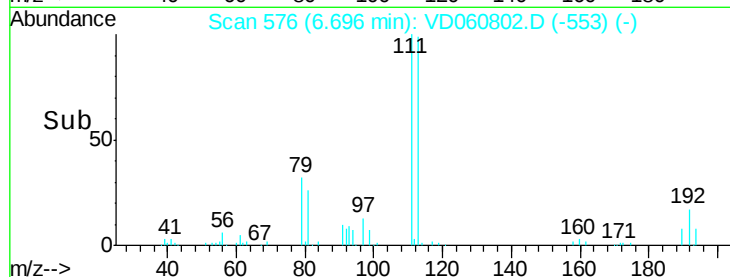
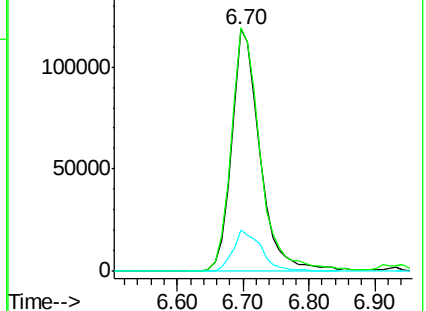
192 16.9 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.316 ug/l

RT: 6.93 min Scan# 600

Delta R.T. 0.03 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

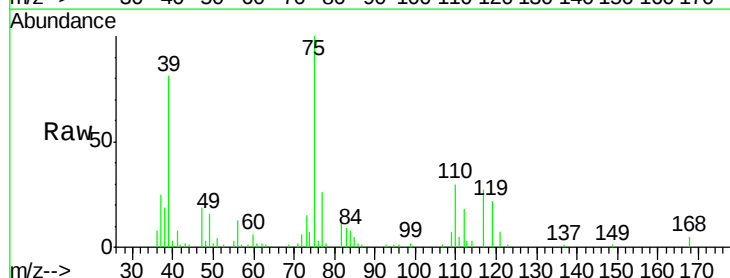
Tgt Ion: 75 Resp: 174696

Ion Ratio Lower Upper

75 100

110 29.7 13.5 40.4

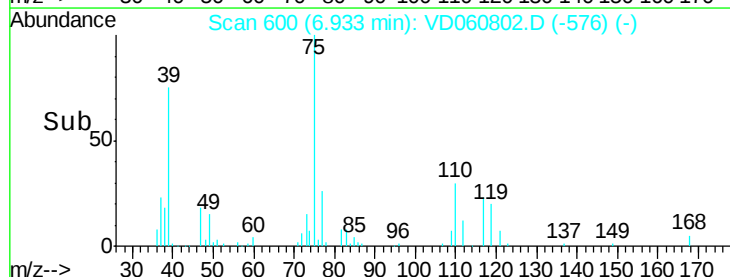
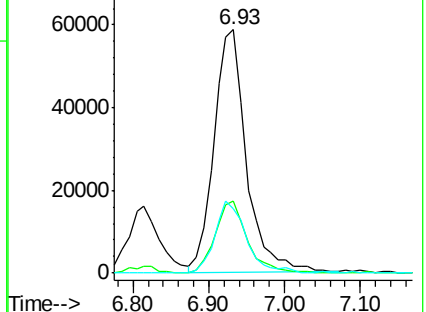
77 26.4 23.4 35.2

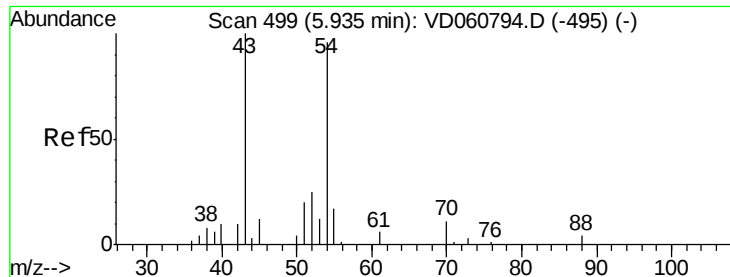


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

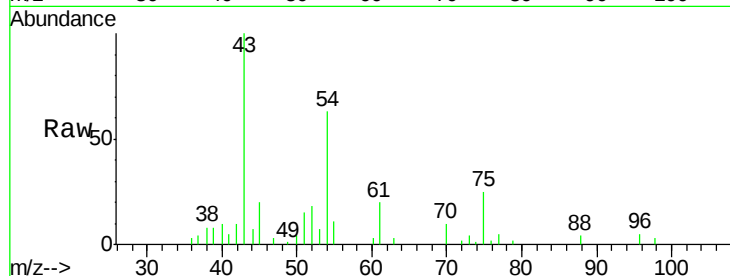




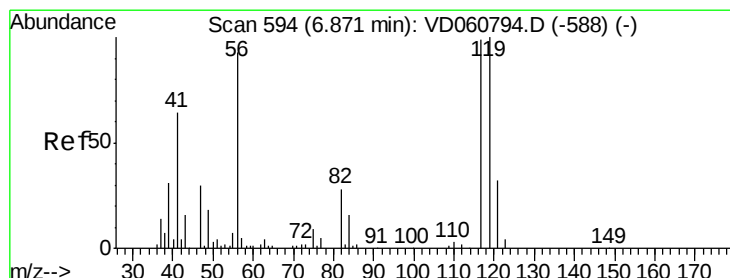
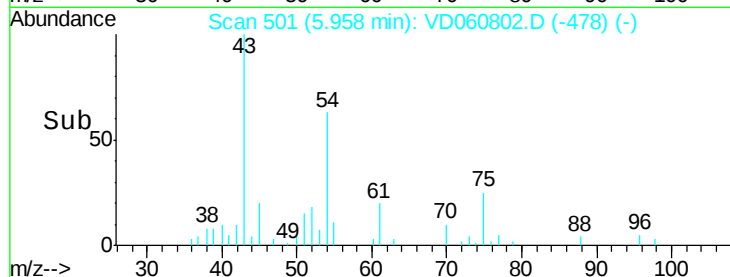
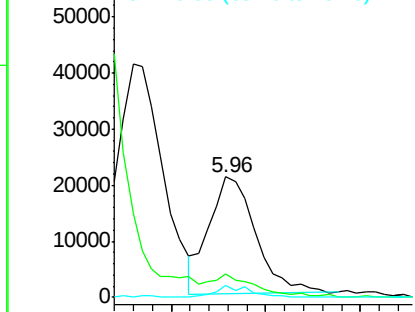
#37
Ethyl Acetate
Concen: 17.691 ug/l
RT: 5.96 min Scan# 501
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleID :
VD0130SBSD01

Tot Ion: 43 Resp: 71421
Ion Ratio Lower Upper
43 100
61 19.9 12.3 18.5#
70 9.8 7.4 11.0

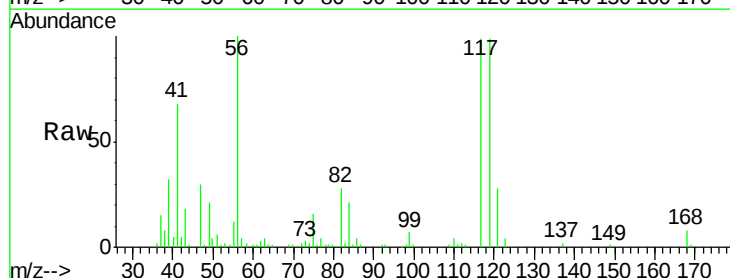


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

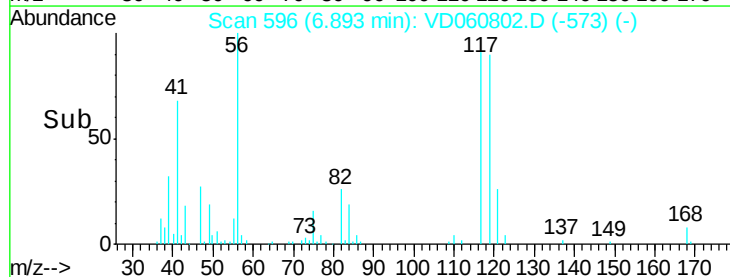
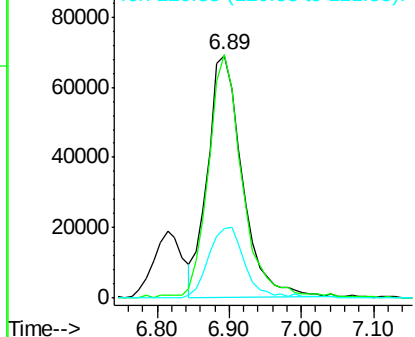


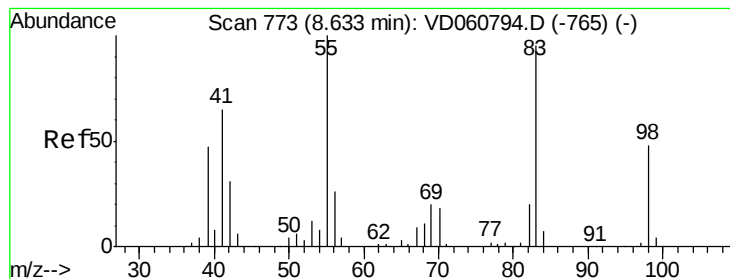
#38
Carbon Tetrachloride
Concen: 20.033 ug/l
RT: 6.89 min Scan# 596
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion: 117 Resp: 227188
Ion Ratio Lower Upper
117 100
119 100.4 75.6 113.4
121 28.8 23.4 35.2



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 18.932 ug/l

RT: 8.66 min Scan# 775

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

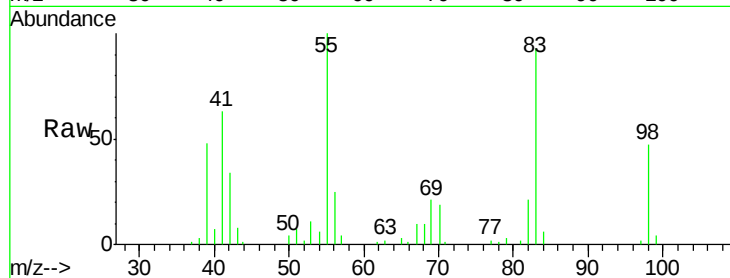
Tot Ion: 83 Resp: 143389

Ion Ratio Lower Upper

83 100

55 108.0 83.8 125.8

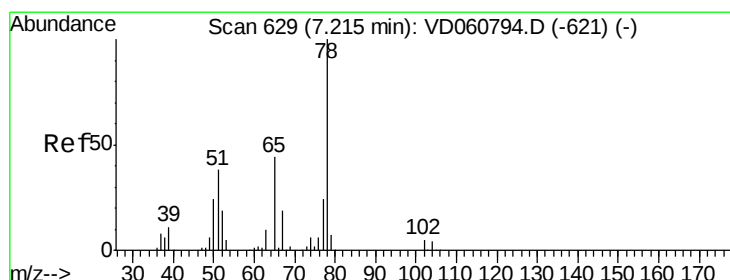
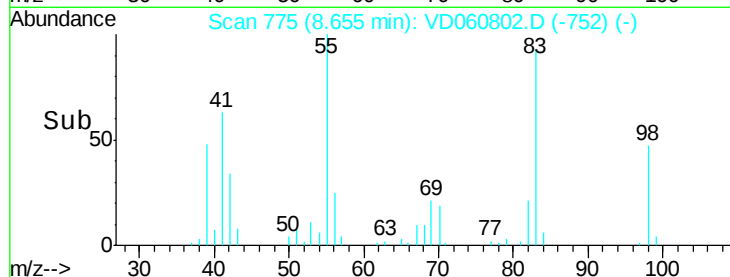
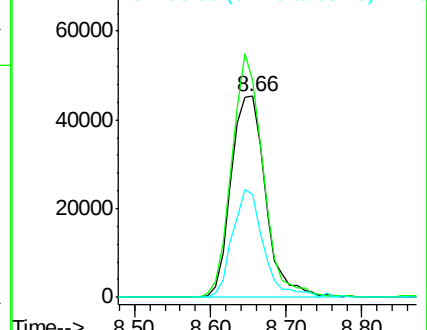
98 51.2 39.8 59.8



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.477 ug/l

RT: 7.24 min Scan# 631

Delta R.T. 0.02 min

Lab File: VD060802.D

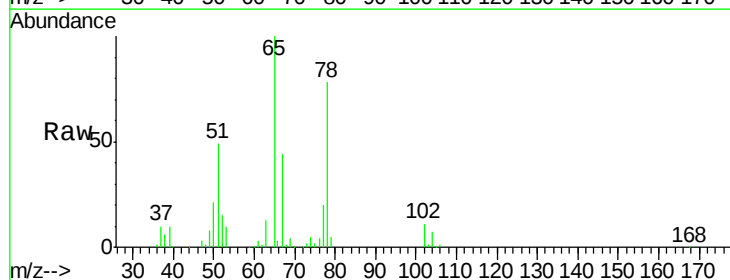
Acq: 30 Jan 2019 13:35

Tgt Ion: 78 Resp: 347660

Ion Ratio Lower Upper

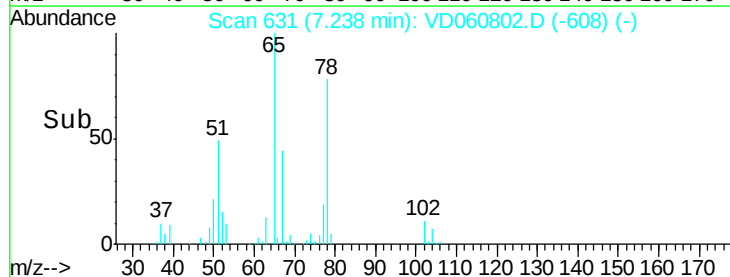
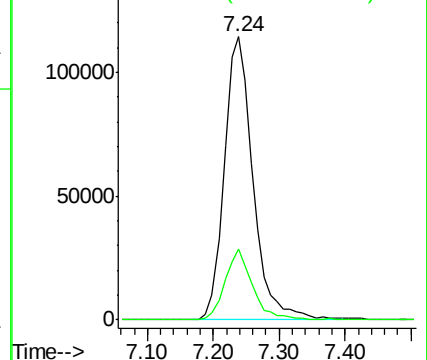
78 100

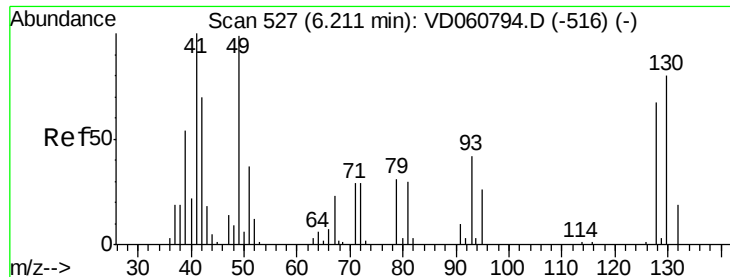
77 25.2 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 35.905 ug/l

RT: 6.25 min Scan# 531

Delta R.T. 0.04 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBSD01

Tot Ion: 41 Resp: 92058

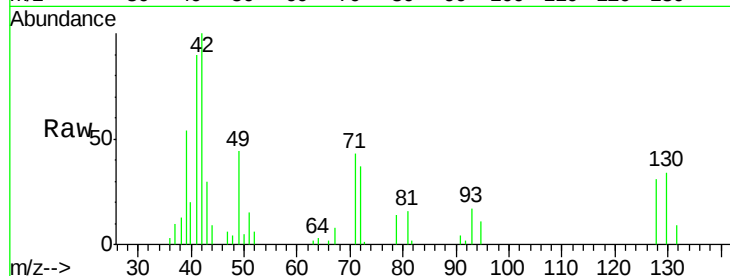
Ion Ratio Lower Upper

41 100

39 59.6 43.6 65.4

67 9.4 18.5 27.7#

52 6.2 10.2 15.2#

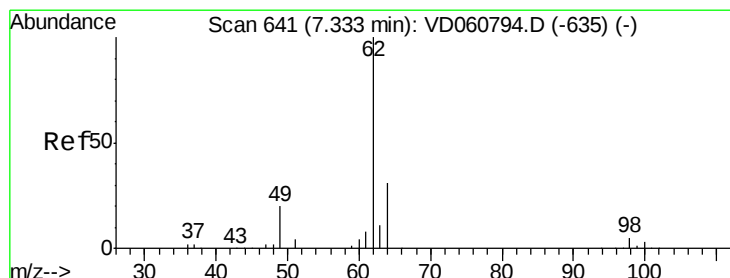
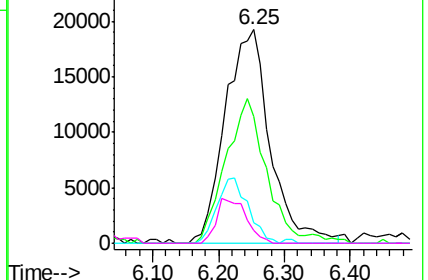
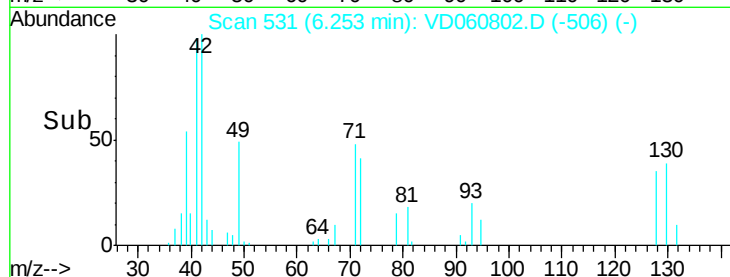


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.730 ug/l

RT: 7.36 min Scan# 643

Delta R.T. 0.02 min

Lab File: VD060802.D

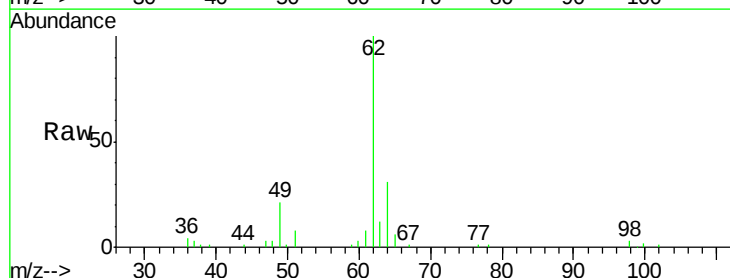
Acq: 30 Jan 2019 13:35

Tgt Ion: 62 Resp: 194218

Ion Ratio Lower Upper

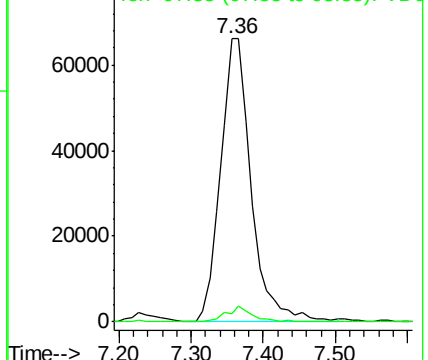
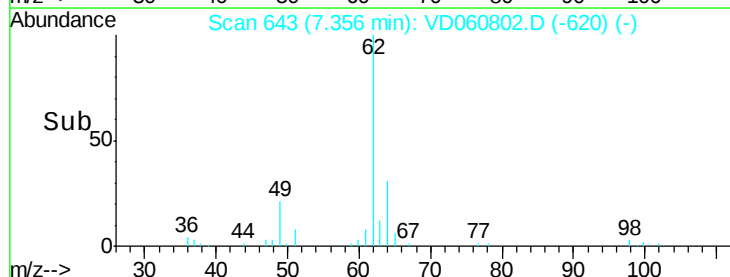
62 100

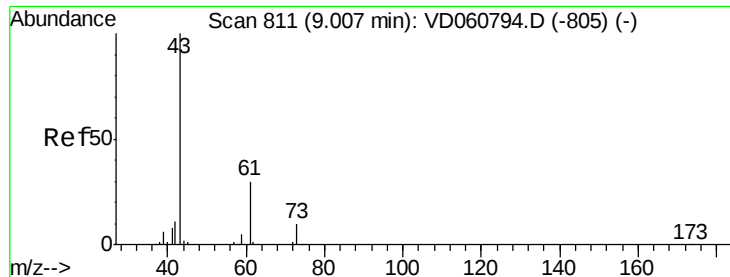
98 2.9 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



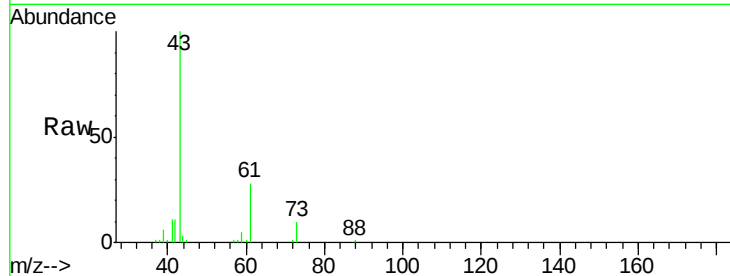


#43

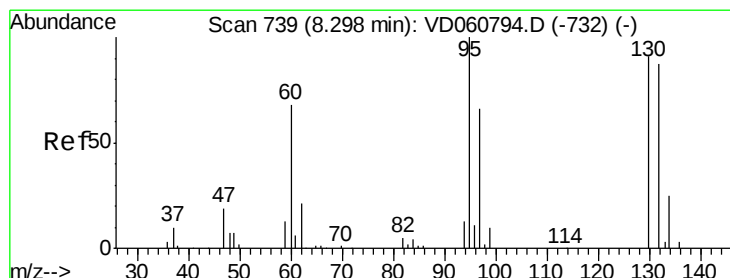
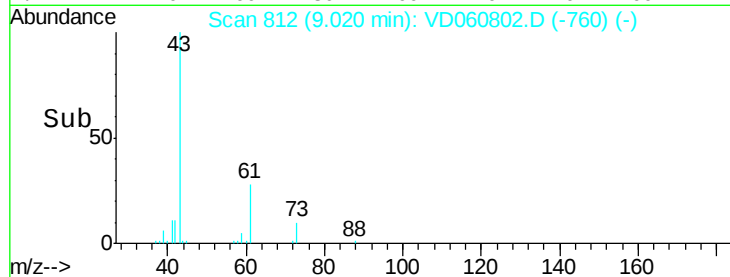
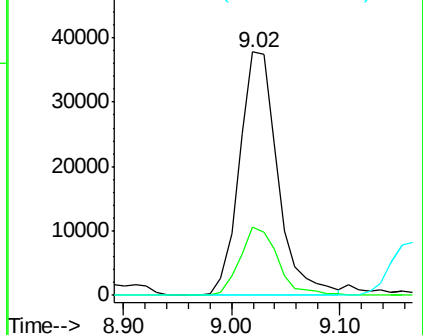
Isopropyl Acetate
 Concen: 17.690 ug/l
 RT: 9.02 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0130SBS01

Tot Ion: 43 Resp: 93150
 Ion Ratio Lower Upper
 43 100
 61 27.8 24.1 36.1
 87 0.0 0.0 0.0



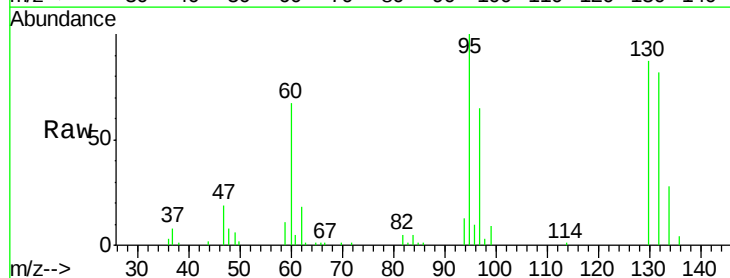
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



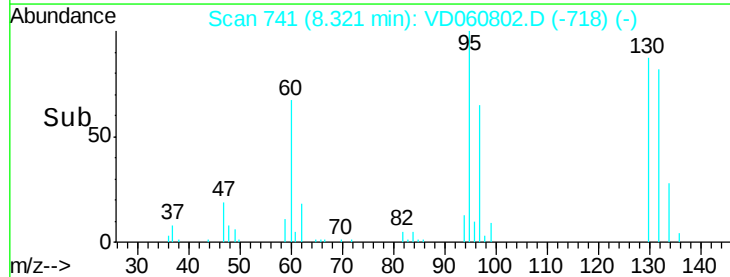
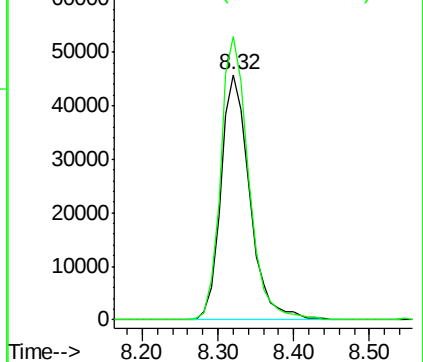
#44

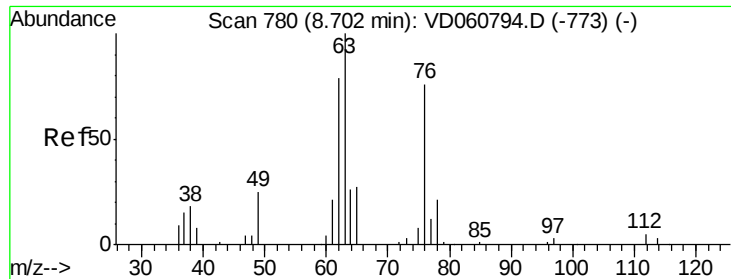
Trichloroethene
 Concen: 20.025 ug/l
 RT: 8.32 min Scan# 741
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion: 130 Resp: 121174
 Ion Ratio Lower Upper
 130 100
 95 115.3 0.0 221.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.782 ug/l

RT: 8.72 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

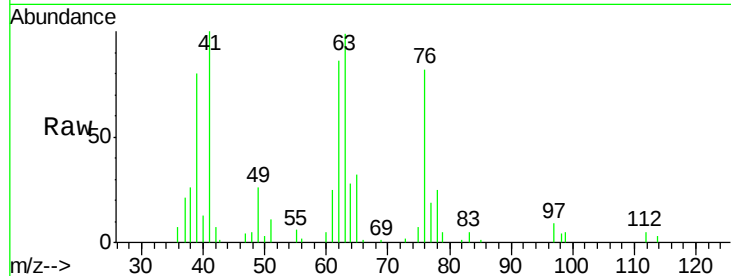
VD0130SBSD01

Tot Ion: 63 Resp: 90753

Ion Ratio Lower Upper

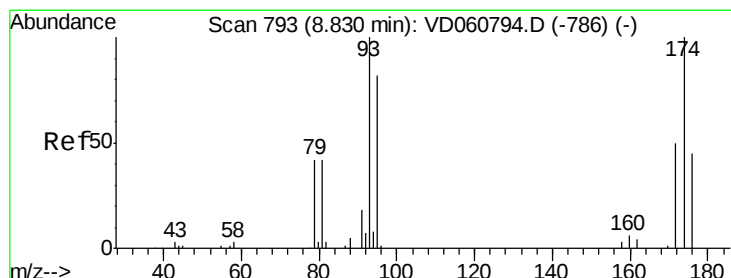
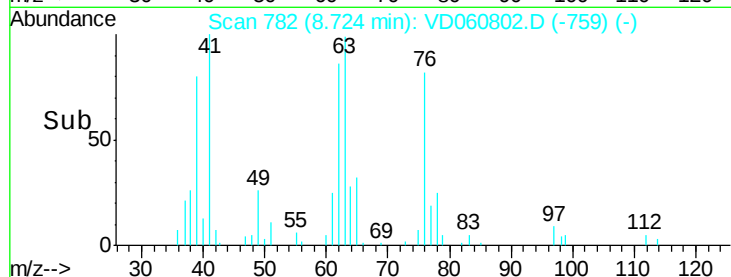
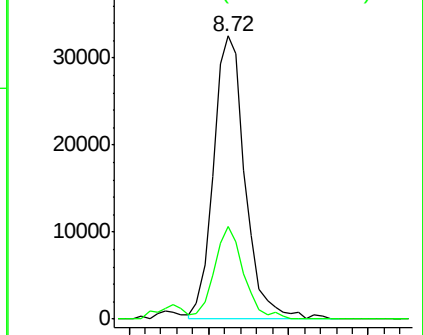
63 100

65 32.6 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.508 ug/l

RT: 8.85 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

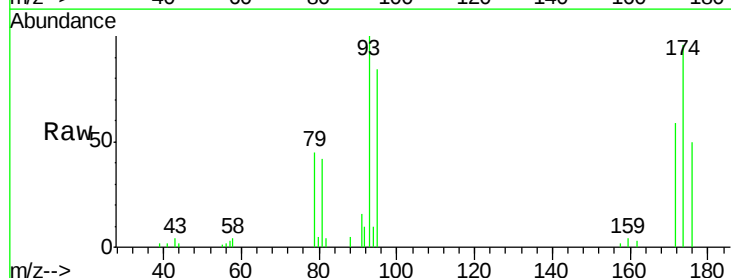
Tgt Ion: 93 Resp: 69422

Ion Ratio Lower Upper

93 100

95 84.0 65.8 98.8

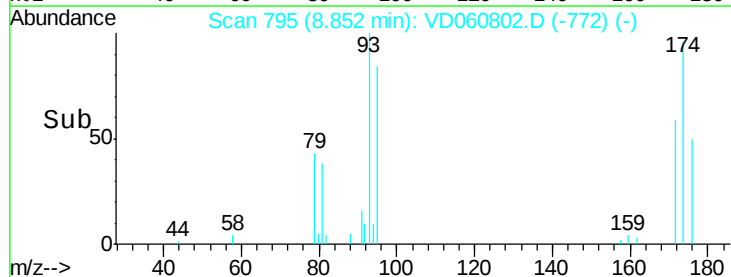
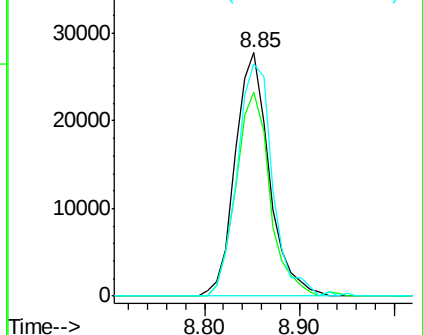
174 95.6 79.8 119.6

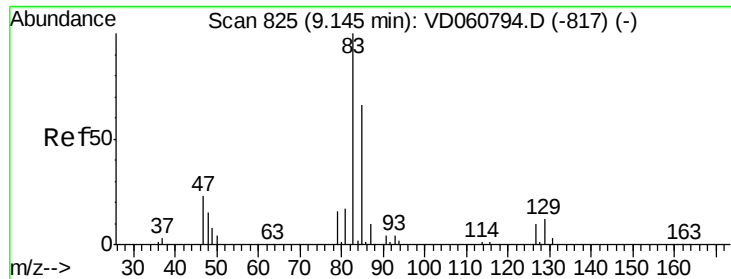


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.083 ug/l

RT: 9.16 min Scan# 826

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBSD01

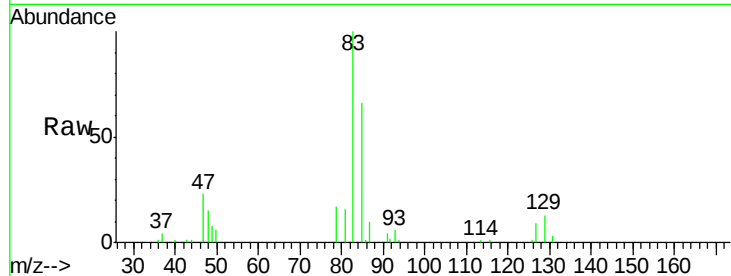
Tot Ion: 83 Resp: 193205

Ion Ratio Lower Upper

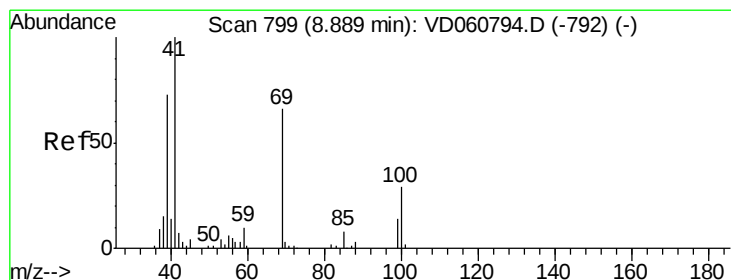
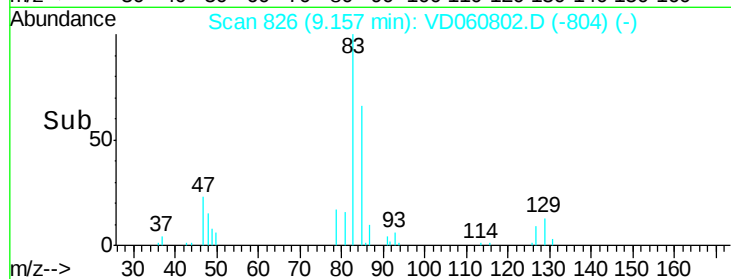
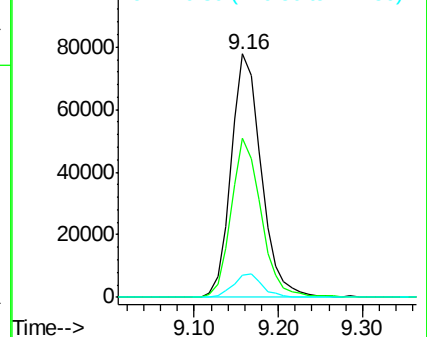
83 100

85 65.5 52.6 79.0

127 9.1 7.7 11.5



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.340 ug/l

RT: 8.90 min Scan# 800

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

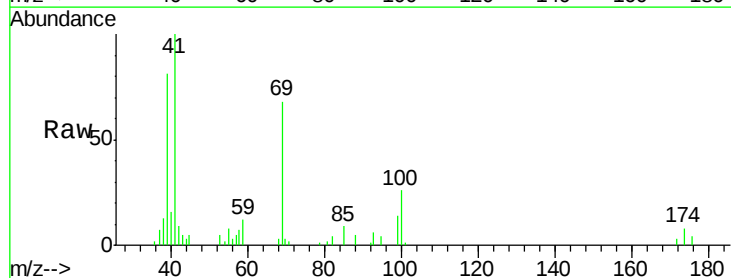
Tgt Ion: 41 Resp: 66592

Ion Ratio Lower Upper

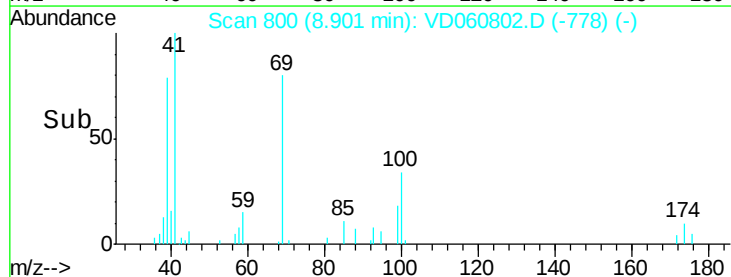
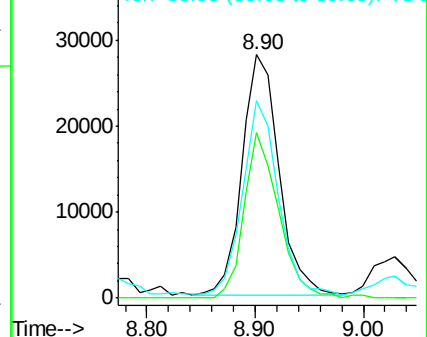
41 100

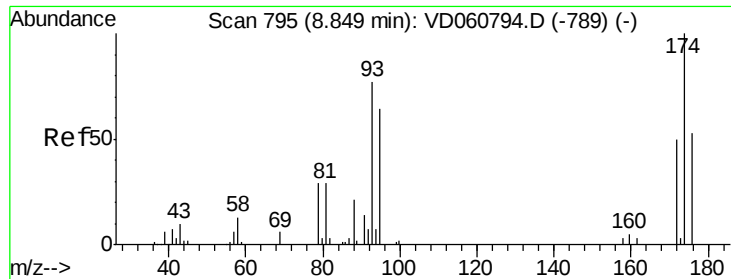
69 68.0 52.5 78.7

39 81.3 59.0 88.6



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

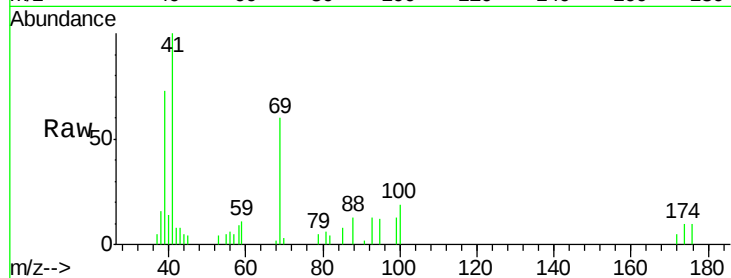




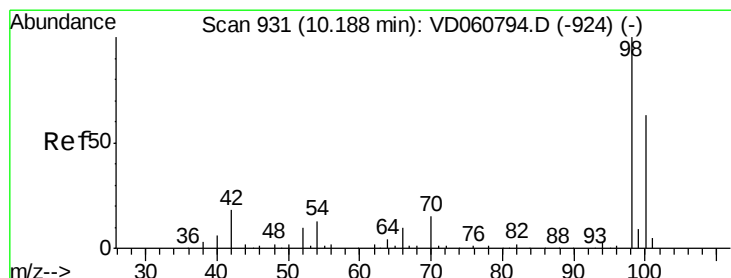
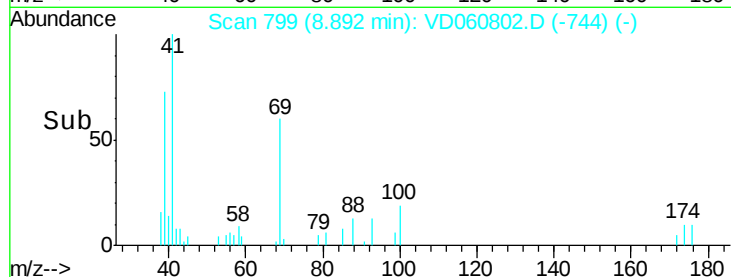
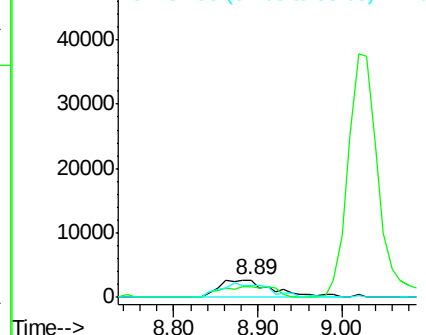
#49
1,4-Dioxane
Concen: 403.714 ug/l
RT: 8.89 min Scan# 799
Delta R.T. 0.04 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

Tot Ion: 88 Resp: 12071
Ion Ratio Lower Upper
88 100
43 61.5 40.9 61.3#
58 68.6 52.2 78.4

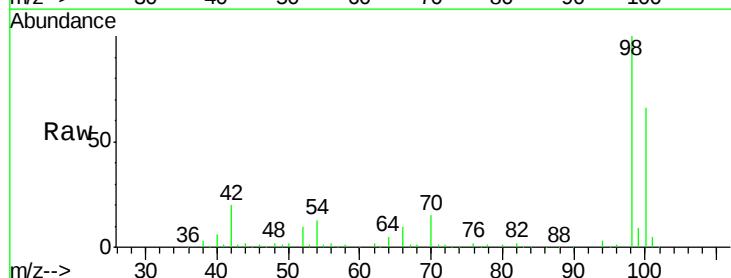


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

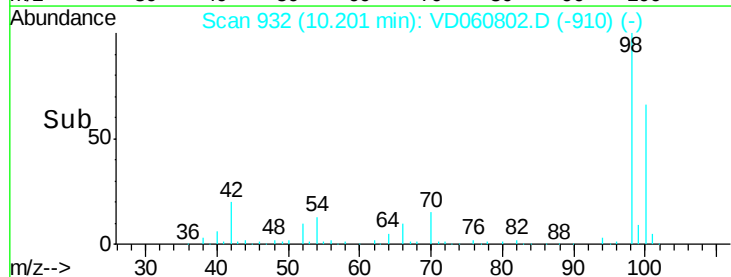
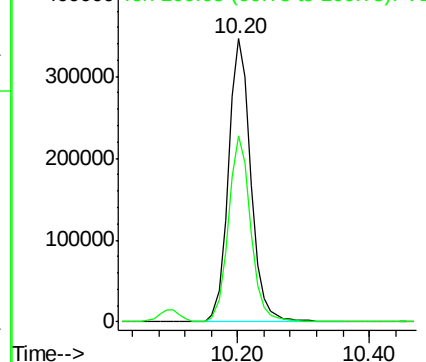


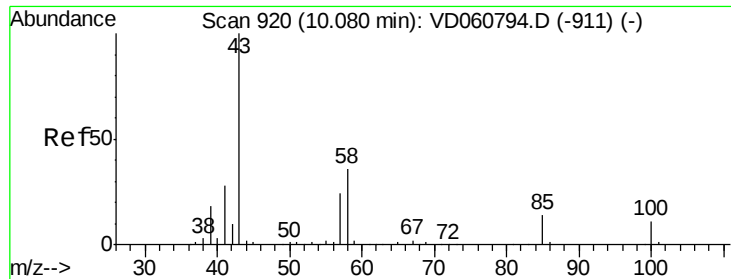
#50
Toluene-d8
Concen: 403.714 ug/l
RT: 10.20 min Scan# 932
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion: 98 Resp: 824511
Ion Ratio Lower Upper
98 100
100 65.9 51.0 76.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 98.174 ug/l

RT: 10.09 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

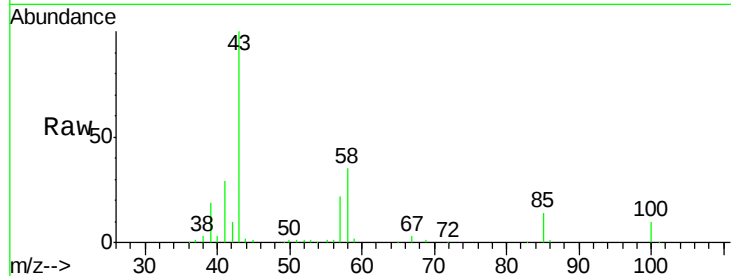
VD0130SBS01

Tot Ion: 43 Resp: 334764

Ion Ratio Lower Upper

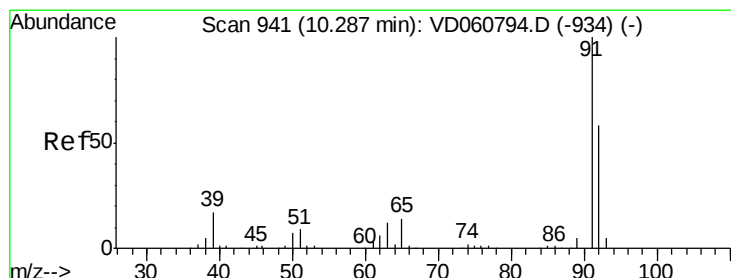
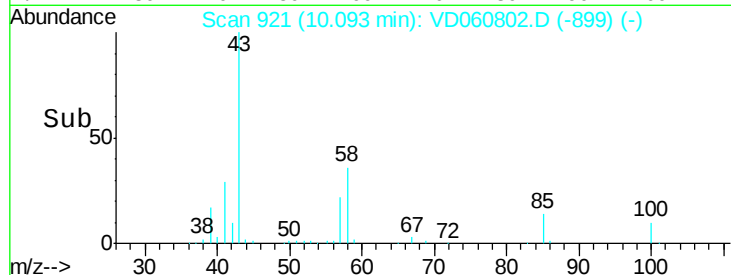
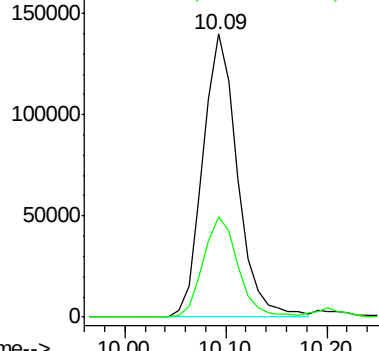
43 100

58 35.4 28.4 42.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.039 ug/l

RT: 10.30 min Scan# 942

Delta R.T. 0.01 min

Lab File: VD060802.D

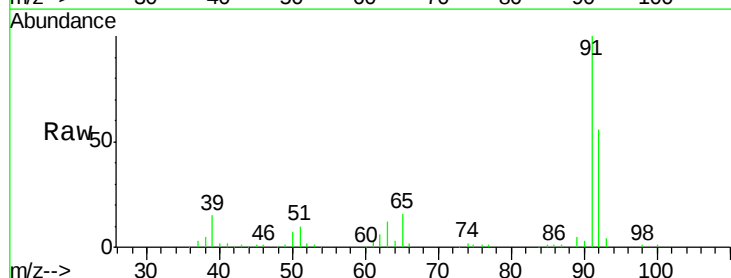
Acq: 30 Jan 2019 13:35

Tgt Ion: 92 Resp: 226888

Ion Ratio Lower Upper

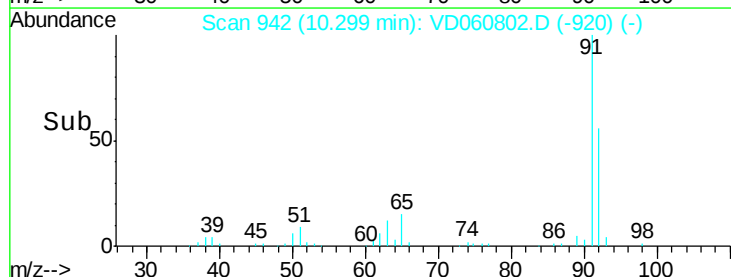
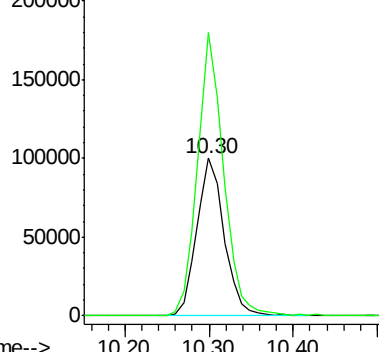
92 100

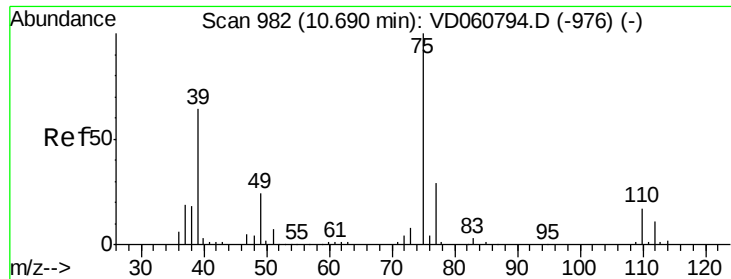
91 179.6 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

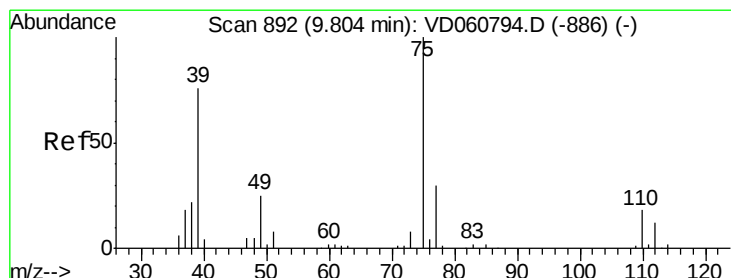
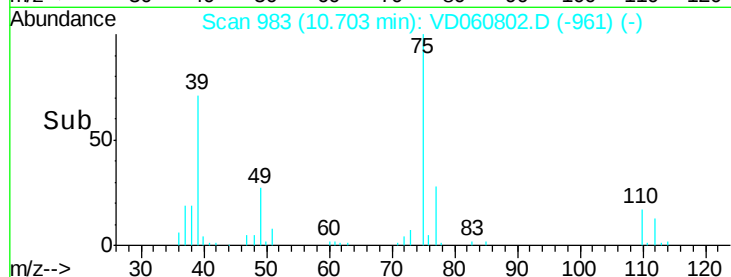
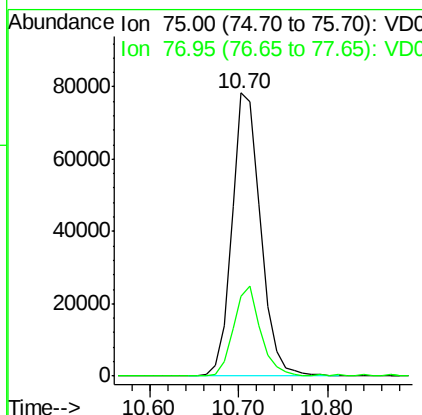
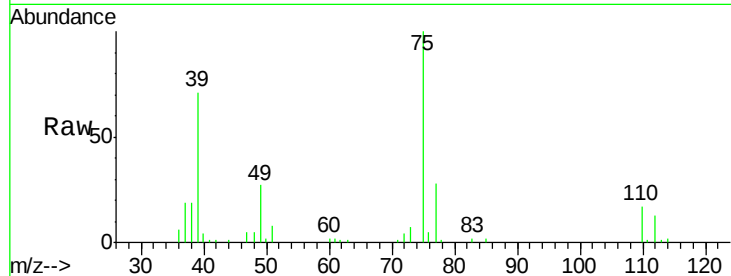




#53
 t-1,3-Dichloropropene
 Concen: 19.766 ug/l
 RT: 10.70 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

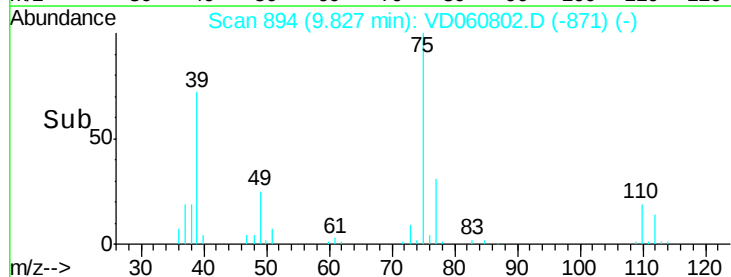
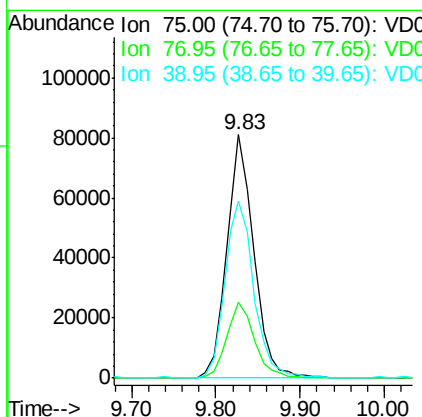
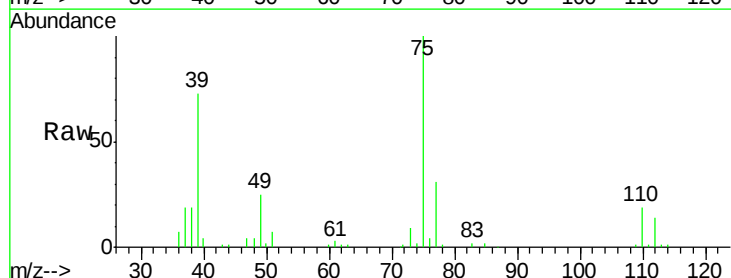
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBSD01

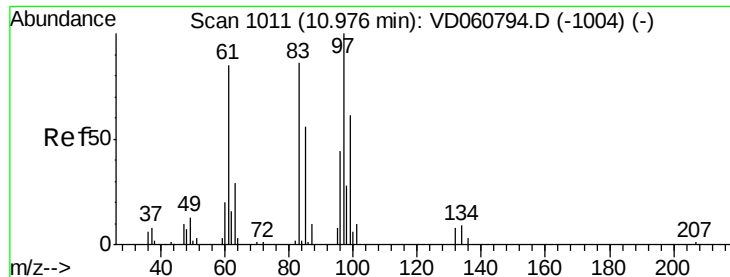
Tot Ion: 75 Resp: 176032
 Ion Ratio Lower Upper
 75 100
 77 28.2 23.0 34.6



#54
 cis-1,3-Dichloropropene
 Concen: 19.683 ug/l
 RT: 9.83 min Scan# 894
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion: 75 Resp: 179762
 Ion Ratio Lower Upper
 75 100
 77 31.0 23.9 35.9
 39 72.7 60.4 90.6

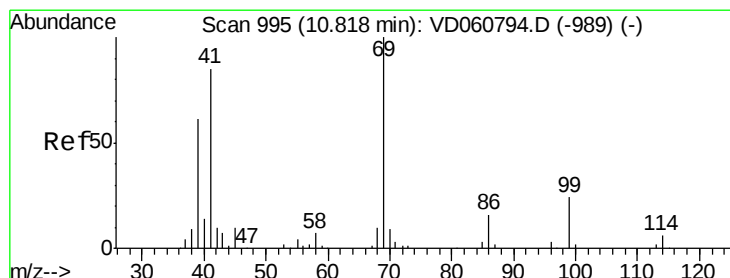
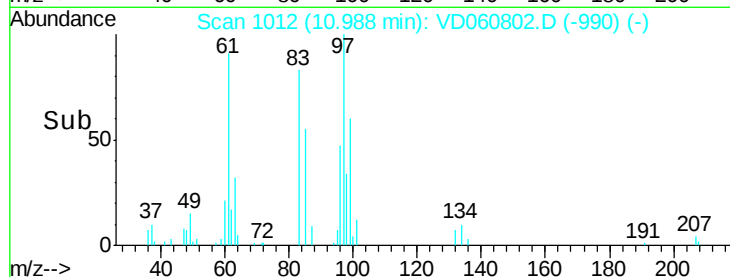
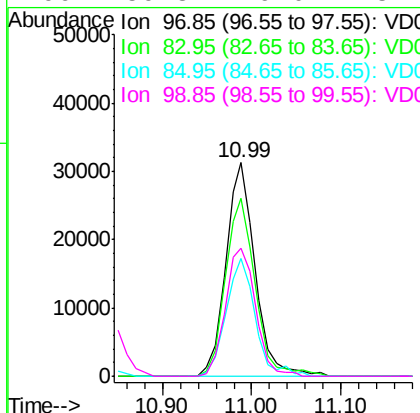
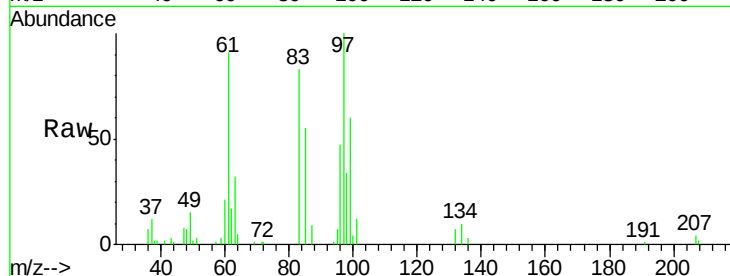




#55
 1,1,2-Trichloroethane
 Concen: 18.652 ug/l
 RT: 10.99 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

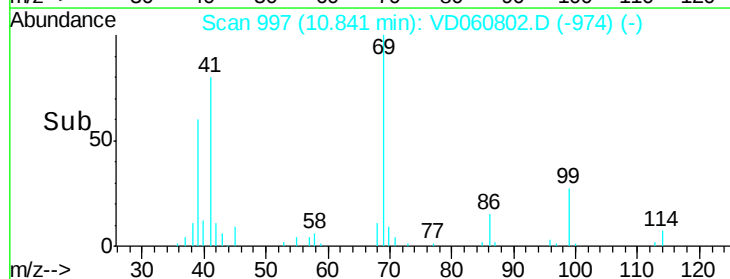
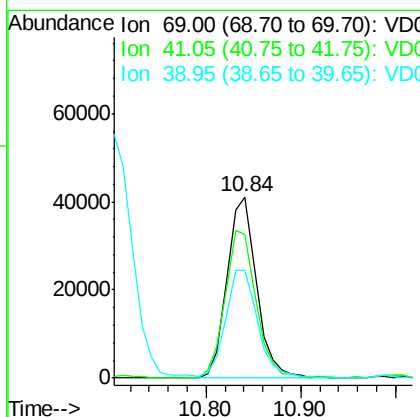
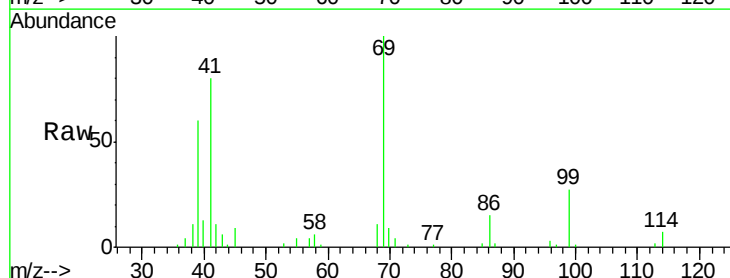
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBSD01

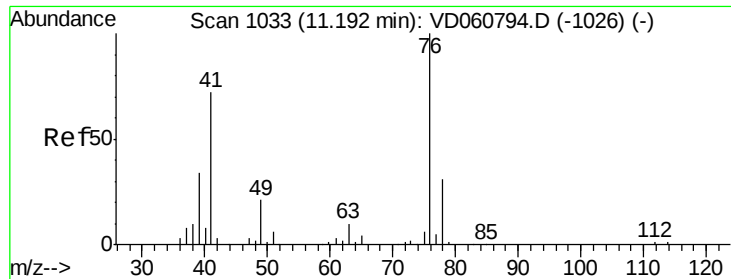
Tot Ion:	97	Resp:	72004
Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.5	102.7
85	55.3	45.0	67.6
99	59.8	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 18.916 ug/l
 RT: 10.84 min Scan# 997
 Delta R.T. 0.02 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion:	69	Resp:	88461
Ion	Ratio	Lower	Upper
69	100		
41	79.5	68.2	102.2
39	60.0	49.4	74.0





#57

1,3-Dichloropropane

Concen: 19.511 ug/l

RT: 11.21 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

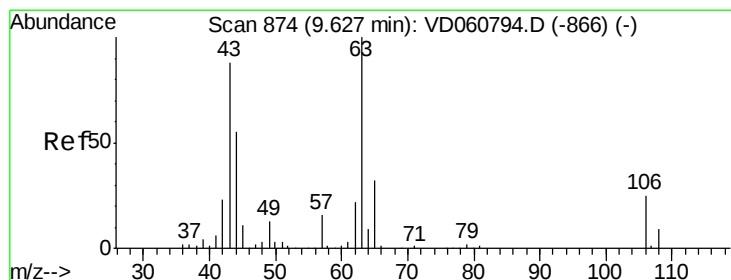
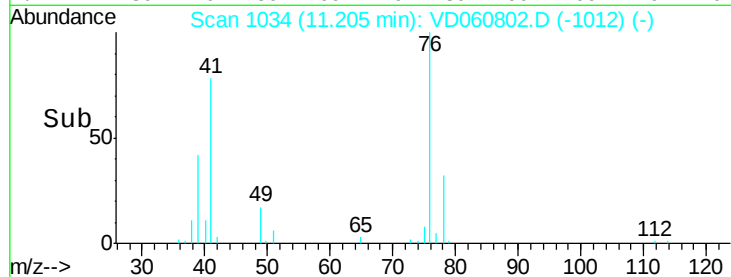
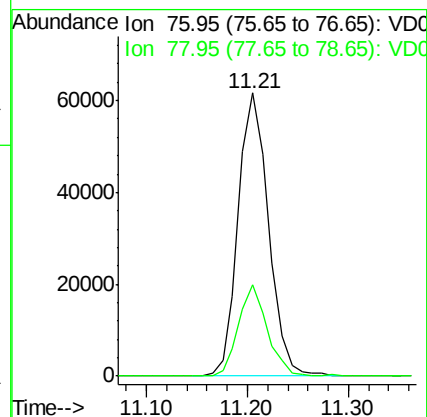
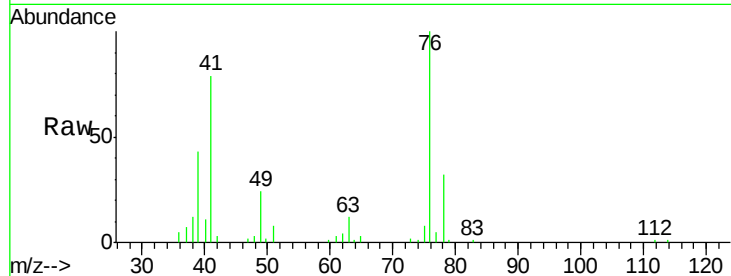
VD0130SBSD01

Tot Ion: 76 Resp: 128724

Ion Ratio Lower Upper

76 100

78 32.5 24.5 36.7



#58

2-Chloroethyl Vinyl ether

Concen: 97.556 ug/l

RT: 9.64 min Scan# 875

Delta R.T. 0.01 min

Lab File: VD060802.D

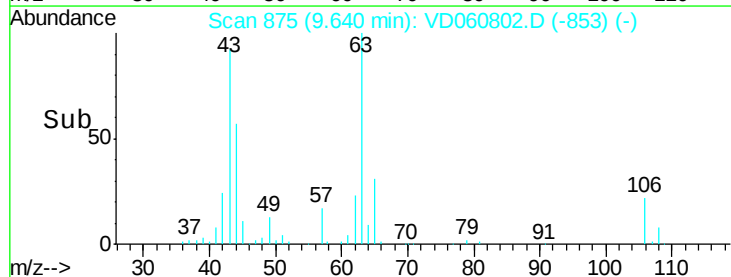
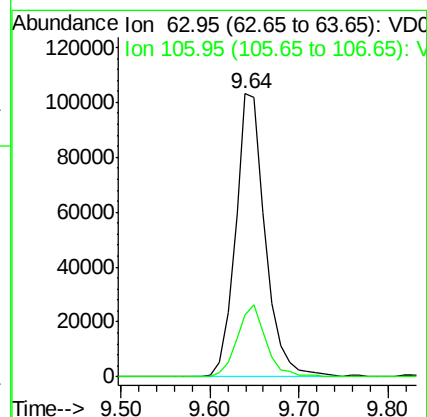
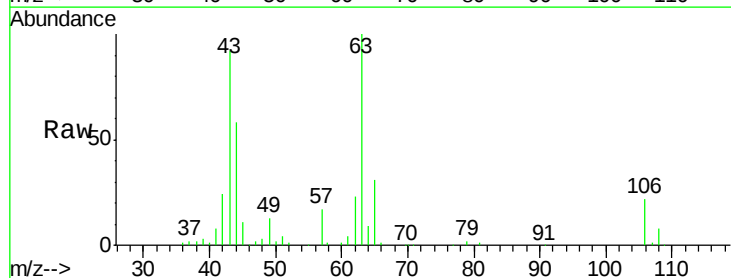
Acq: 30 Jan 2019 13:35

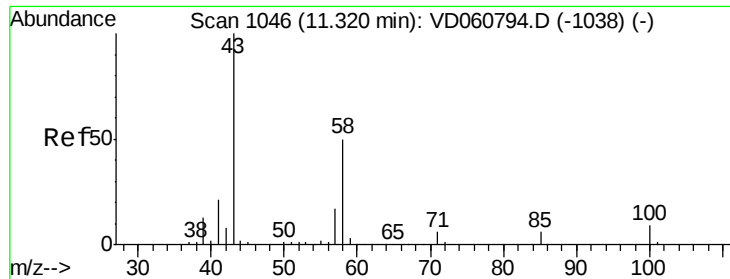
Tgt Ion: 63 Resp: 239372

Ion Ratio Lower Upper

63 100

106 21.9 19.9 29.9





#59

2-Hexanone

Concen: 96.552 ug/l

RT: 11.33 min Scan# 1047

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

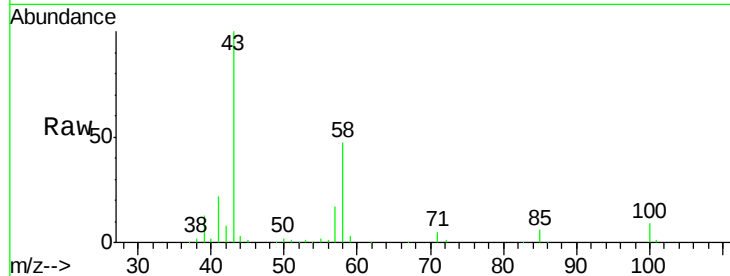
VD0130SBSD01

Tot Ion: 43 Resp: 247552

Ion Ratio Lower Upper

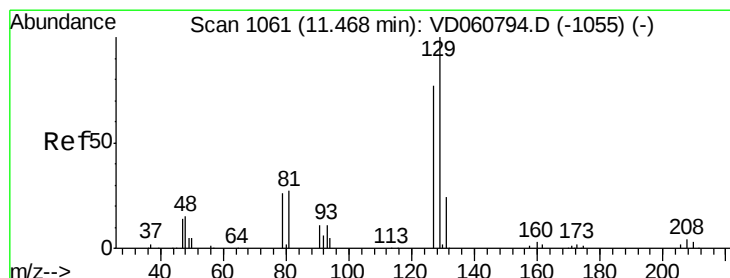
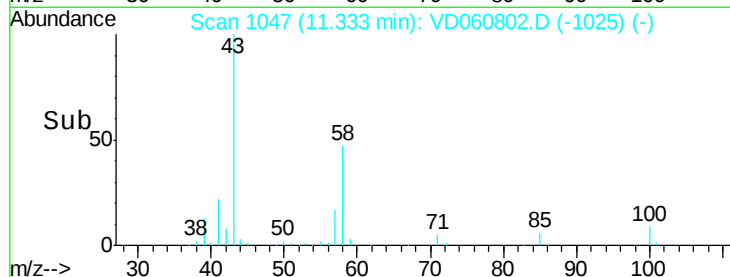
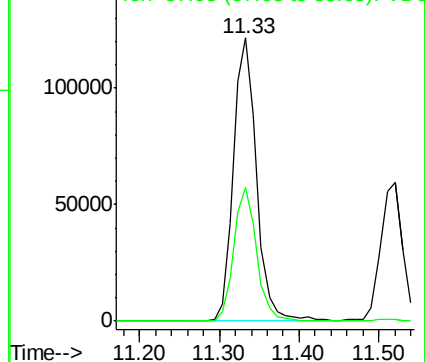
43 100

58 47.3 25.0 75.0



Abundance Ion 42.95 (42.65 to 43.65): VD060802.D (-1025) (-)

Ion 57.95 (57.65 to 58.65): VD060802.D (-1025) (-)



#60

Dibromochloromethane

Concen: 19.429 ug/l

RT: 11.48 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VD060802.D

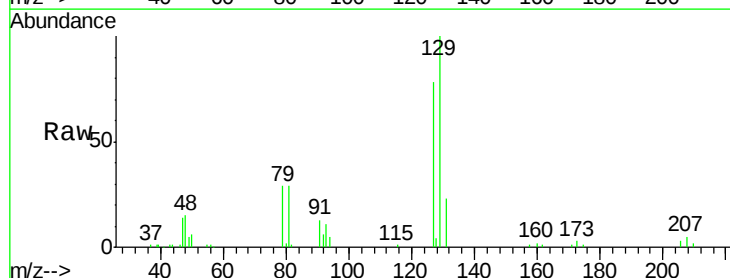
Acq: 30 Jan 2019 13:35

Tgt Ion: 129 Resp: 134837

Ion Ratio Lower Upper

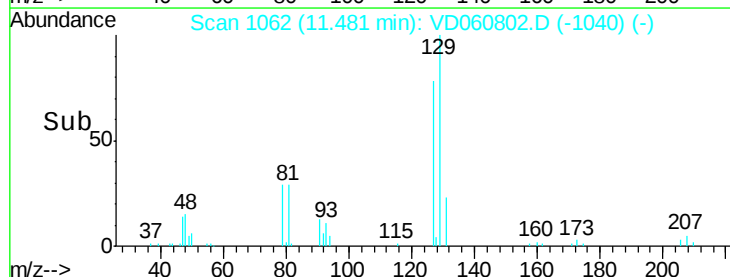
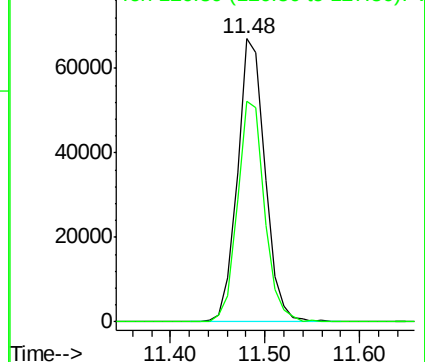
129 100

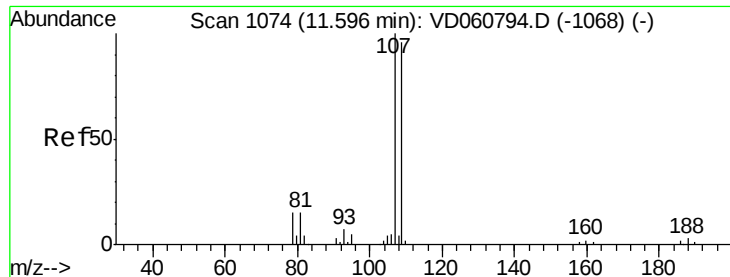
127 77.9 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): VD060802.D (-1040) (-)

Ion 126.80 (126.50 to 127.50): VD060802.D (-1040) (-)

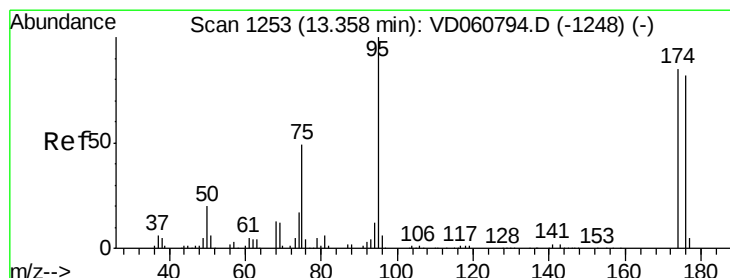
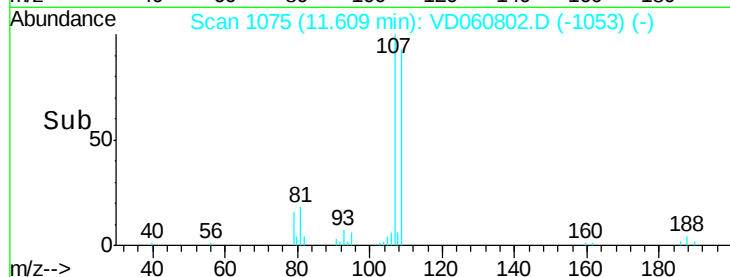
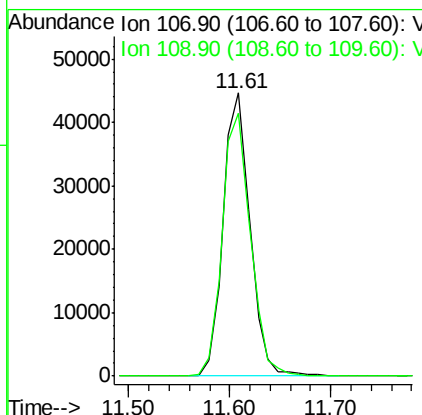
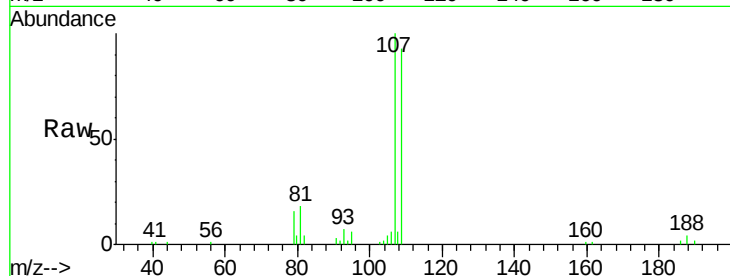




#61
 1,2-Dibromoethane
 Concen: 18.200 ug/l
 RT: 11.61 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

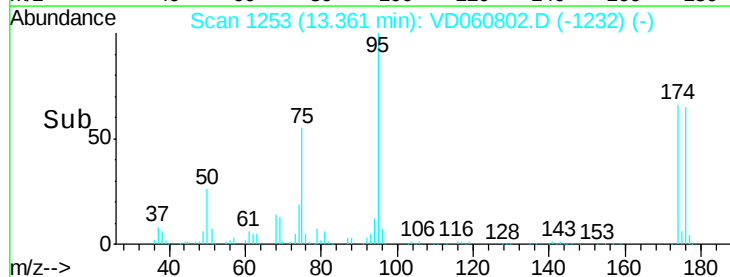
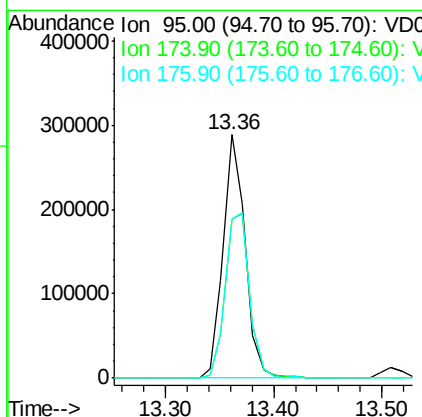
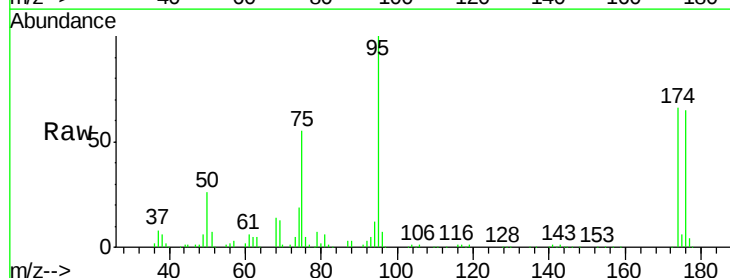
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBSD01

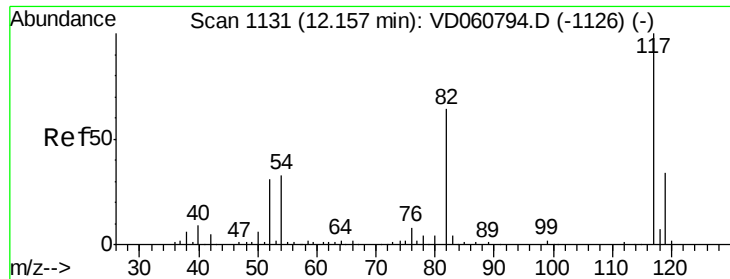
Tot Ion:107 Resp: 82742
 Ion Ratio Lower Upper
 107 100
 109 92.8 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 18.200 ug/l
 RT: 13.36 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion: 95 Resp: 408238
 Ion Ratio Lower Upper
 95 100
 174 65.5 0.0 169.6
 176 65.4 0.0 163.8

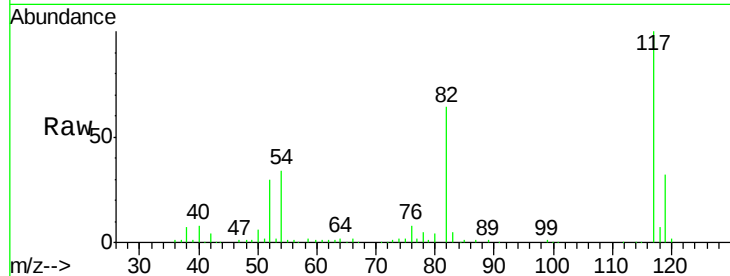




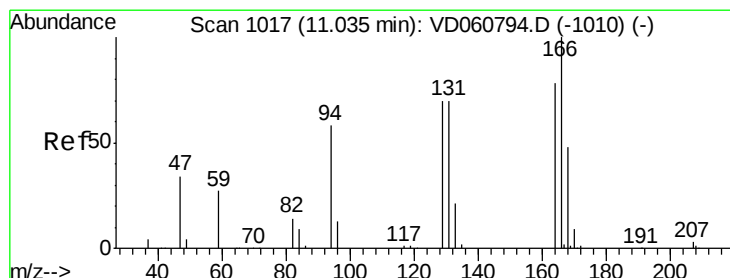
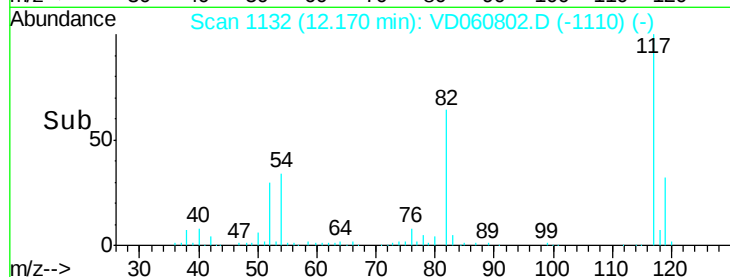
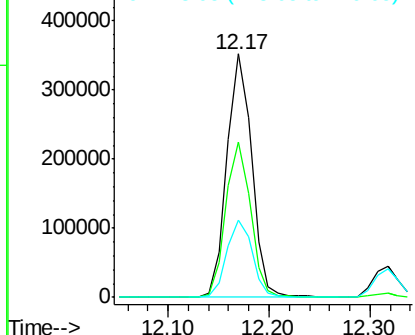
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

Tot Ion:117 Resp: 604003
Ion Ratio Lower Upper
117 100
82 64.0 51.5 77.3
119 31.8 27.1 40.7



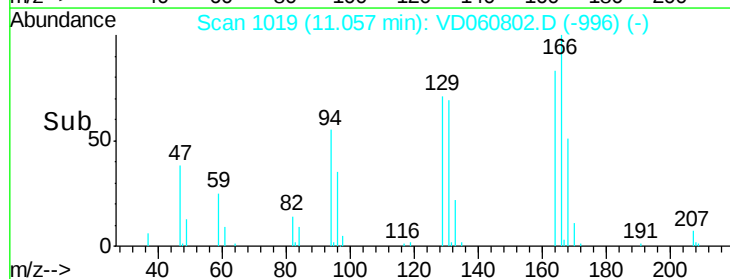
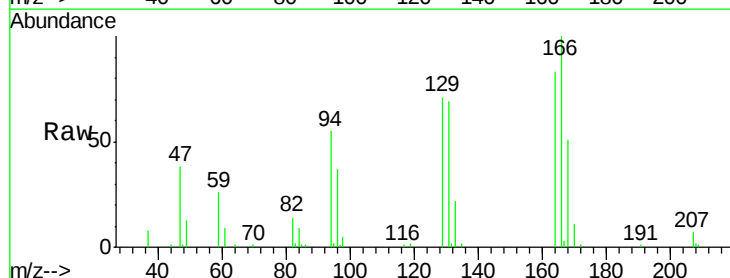
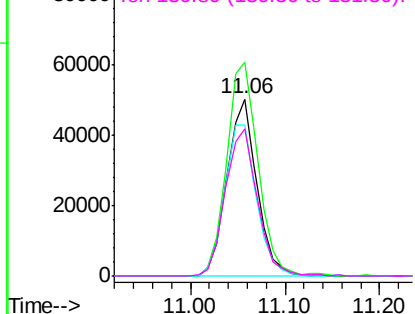
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

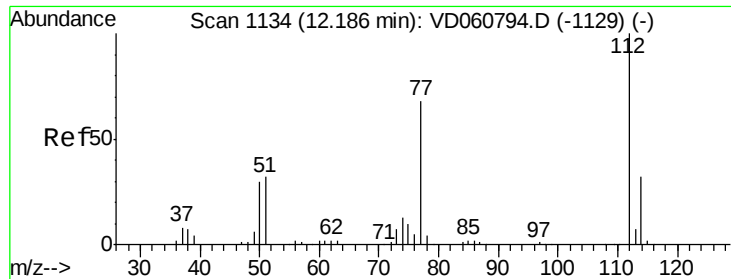


#64
Tetrachloroethene
Concen: 19.780 ug/l
RT: 11.06 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion:164 Resp: 109648
Ion Ratio Lower Upper
164 100
166 120.8 102.6 154.0
129 85.7 72.3 108.5
131 83.4 72.1 108.1

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

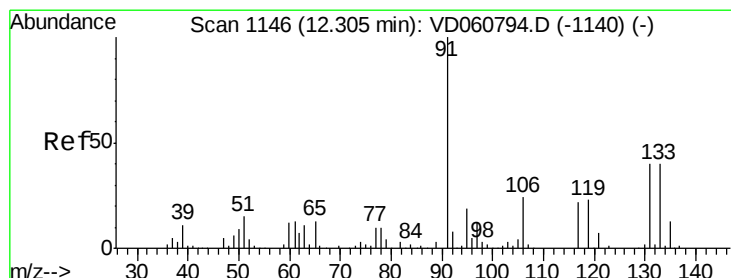
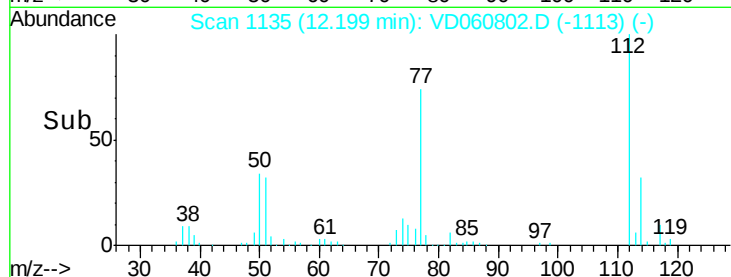
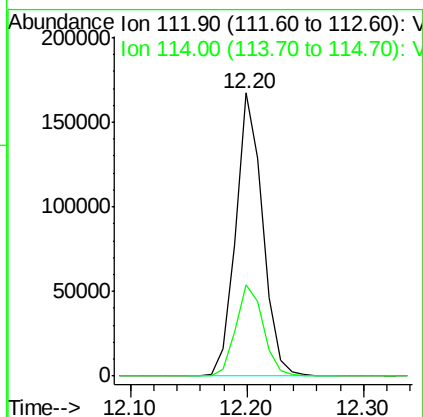
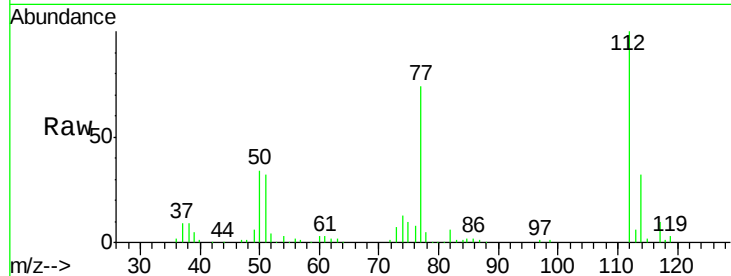




#65
Chlorobenzene
Concen: 19.370 ug/l
RT: 12.20 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

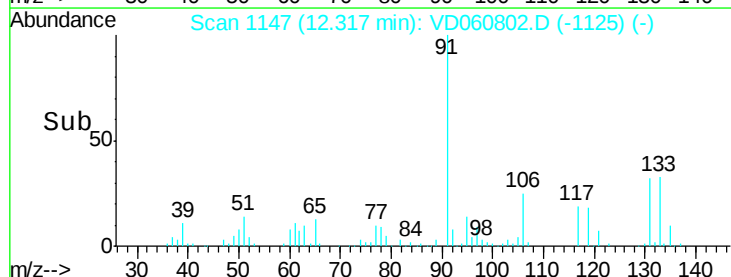
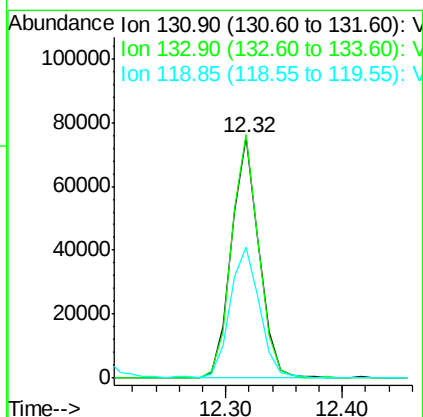
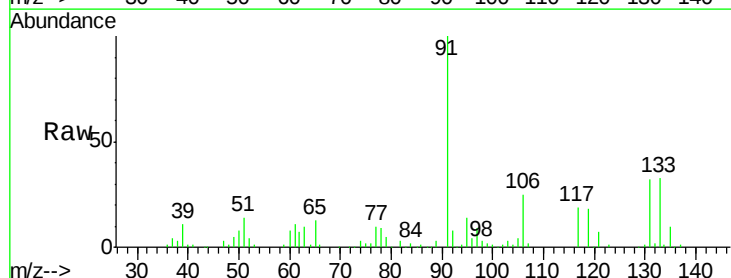
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

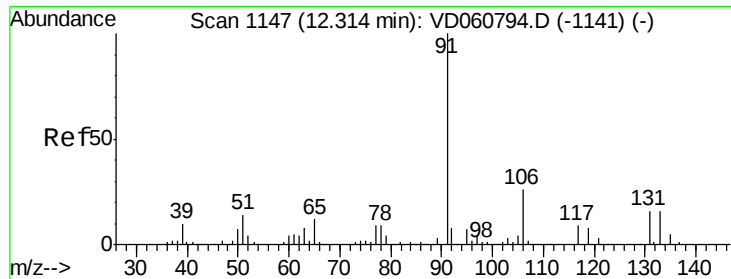
Tot Ion:112 Resp: 267360
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.756 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion:131 Resp: 123085
Ion Ratio Lower Upper
131 100
133 101.3 49.9 149.7
119 54.7 28.5 85.5

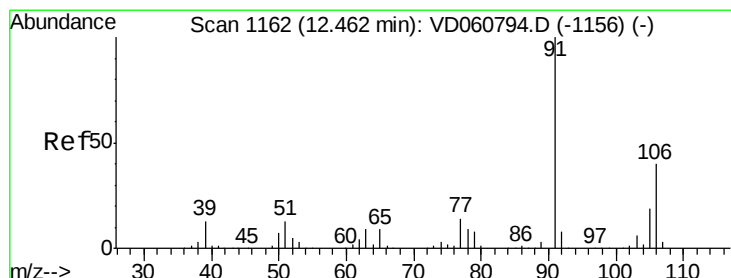
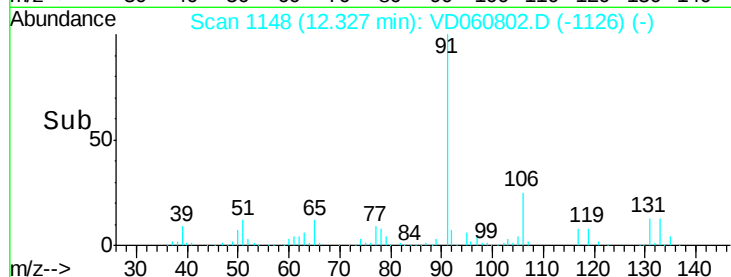
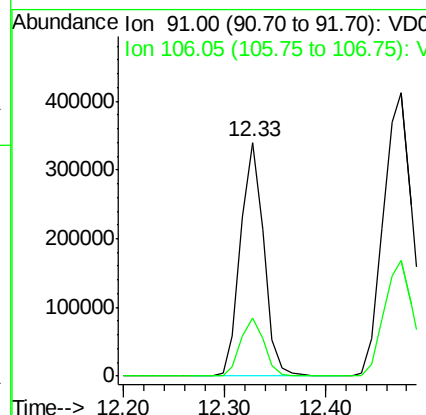
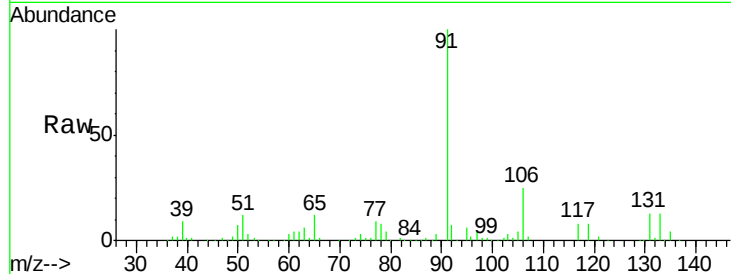




#67
Ethyl Benzene
Concen: 21.933 ug/l
RT: 12.33 min Scan# 1148
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

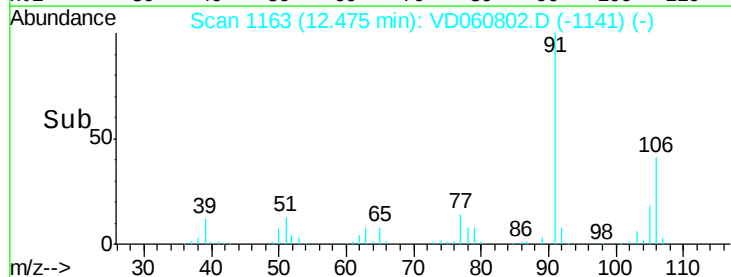
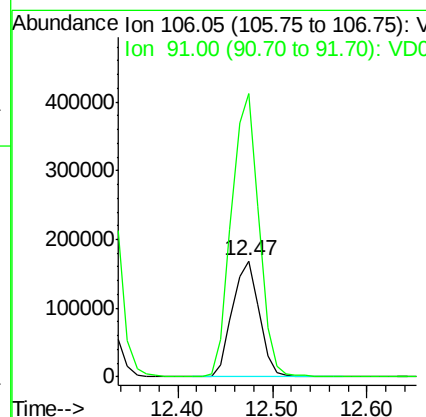
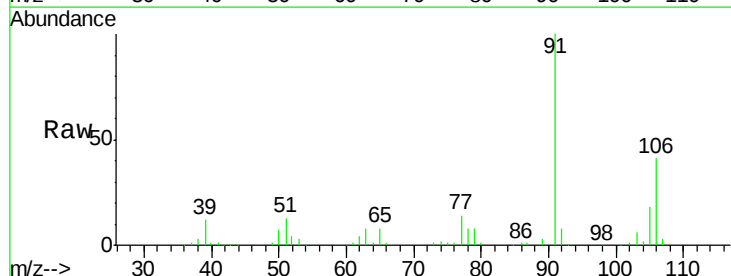
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

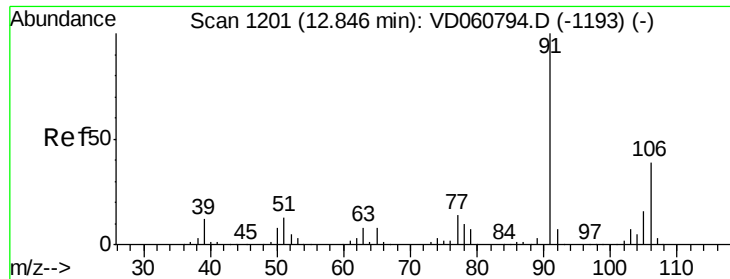
Tot Ion: 91 Resp: 544371
Ion Ratio Lower Upper
91 100
106 25.0 21.0 31.6



#68
m/p-Xylenes
Concen: 41.225 ug/l
RT: 12.47 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion: 106 Resp: 332898
Ion Ratio Lower Upper
106 100
91 243.8 200.5 300.7

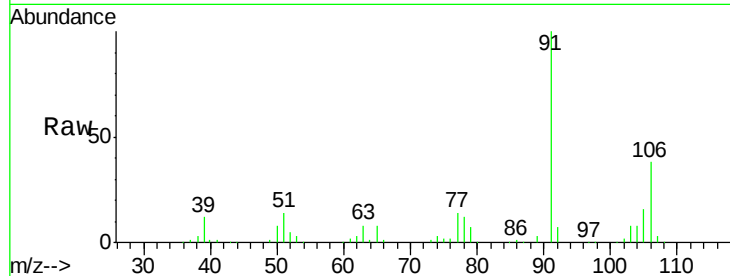




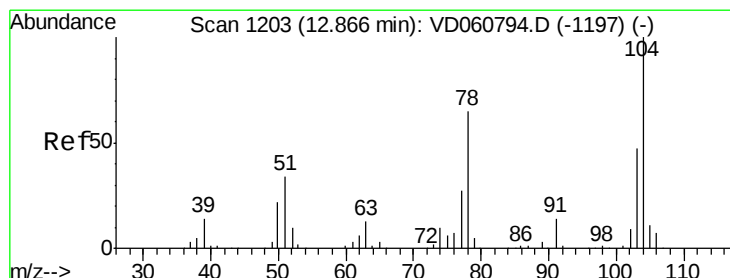
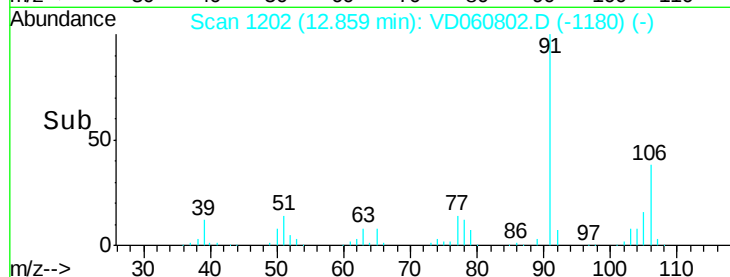
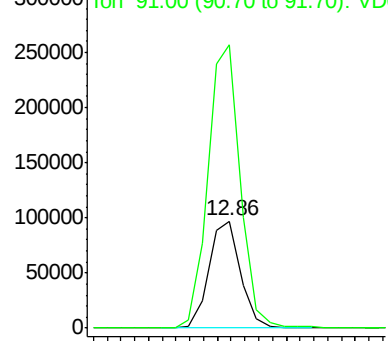
#69
o-Xylene
Concen: 19.415 ug/l
RT: 12.86 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Instrument :
MSVOA_D
ClientSampleID :
VD0130SBS01

Tot Ion:106 Resp: 155166
Ion Ratio Lower Upper
106 100
91 264.1 127.6 382.7

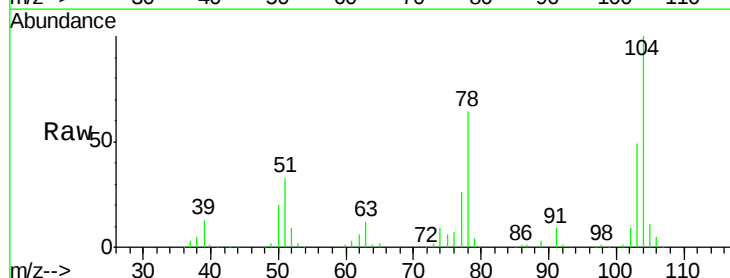


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

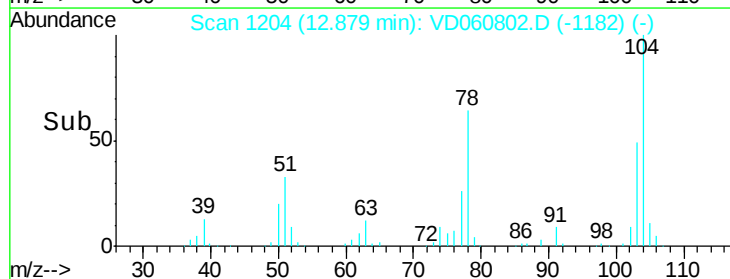
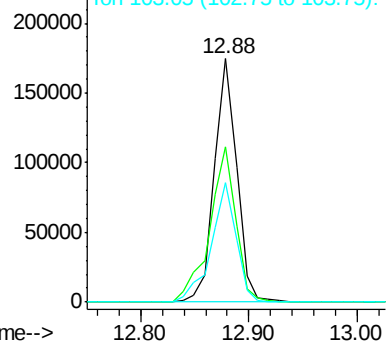


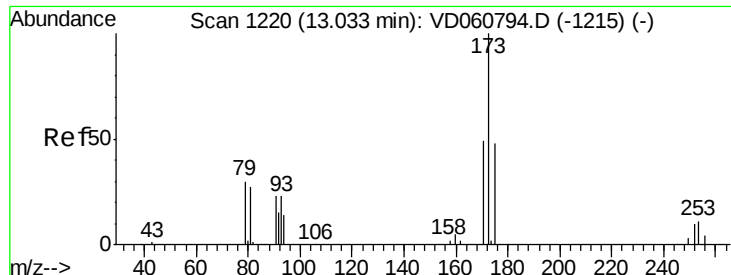
#70
Styrene
Concen: 18.752 ug/l
RT: 12.88 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion:104 Resp: 251316
Ion Ratio Lower Upper
104 100
78 64.0 52.0 78.0
103 49.3 37.7 56.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 18.338 ug/l

RT: 13.05 min Scan# 1221

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

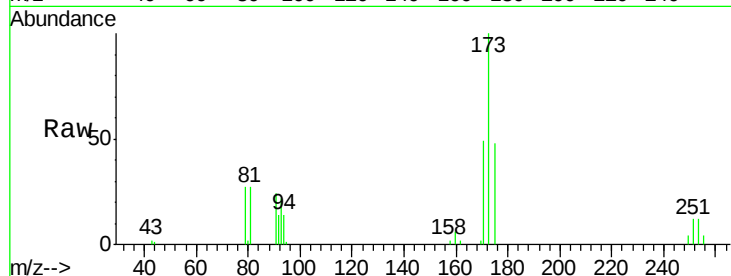
Tot Ion:173 Resp: 81933

Ion Ratio Lower Upper

173 100

175 47.8 24.1 72.4

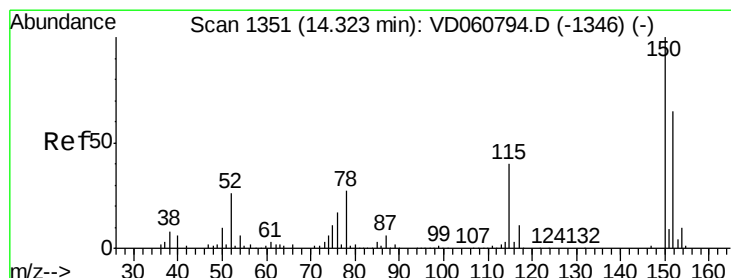
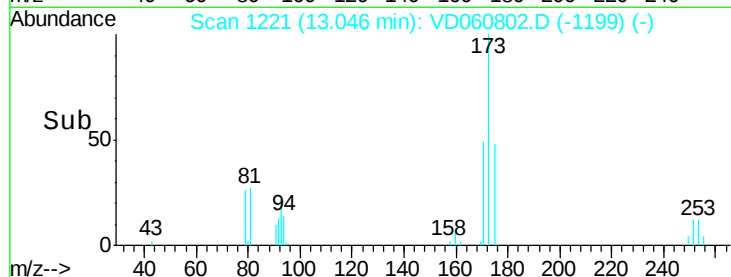
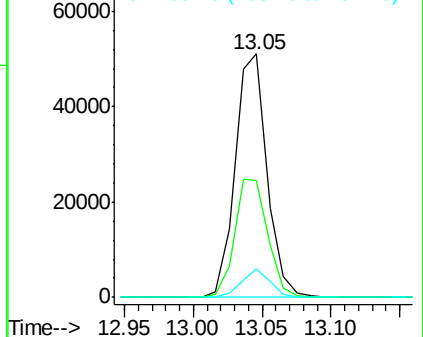
254 11.6 9.1 13.7



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.33 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

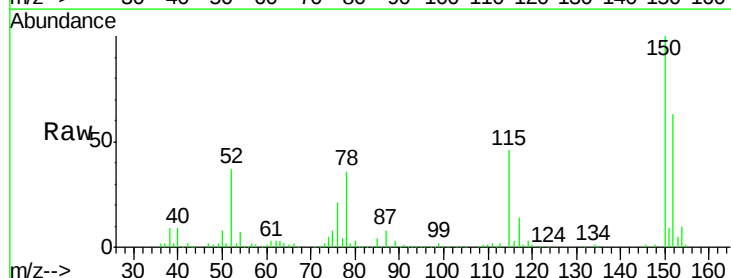
Tgt Ion:152 Resp: 311478

Ion Ratio Lower Upper

152 100

115 72.9 31.6 95.0

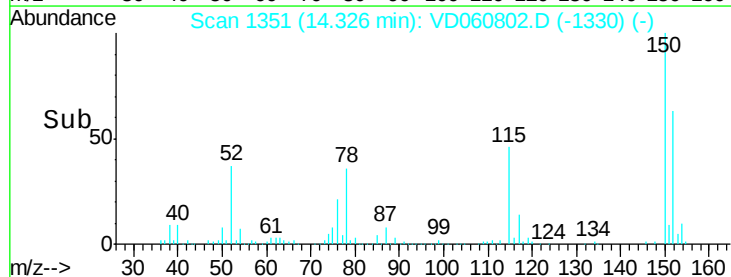
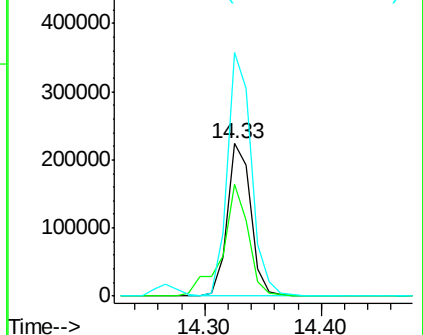
150 159.5 0.0 317.6

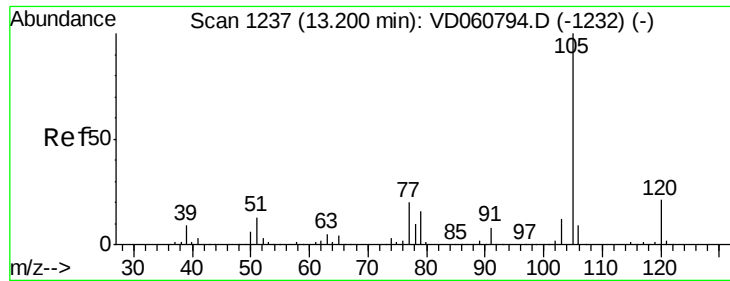


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.765 ug/l

RT: 13.21 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

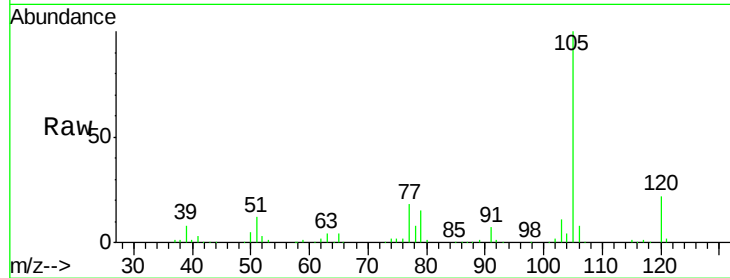
VD0130SBS01

Tot Ion:105 Resp: 490861

Ion Ratio Lower Upper

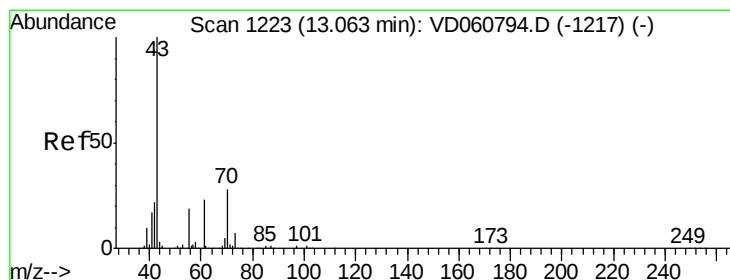
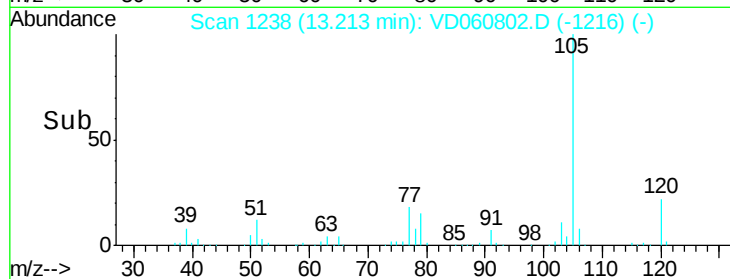
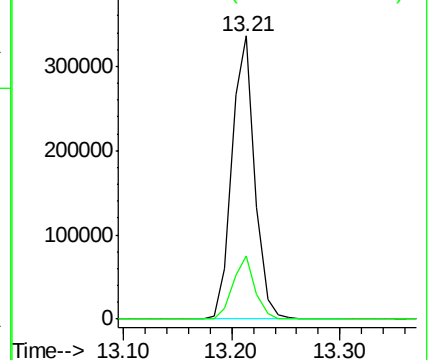
105 100

120 22.2 10.7 32.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.057 ug/l

RT: 13.08 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Tgt Ion: 43 Resp: 145491

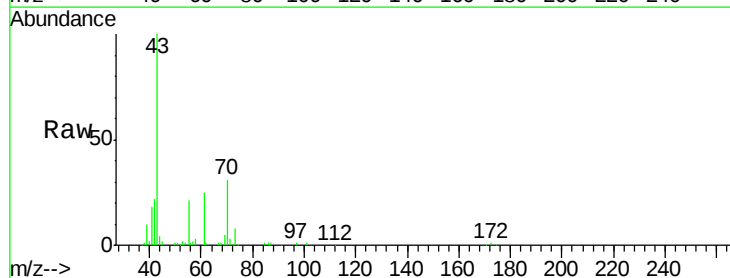
Ion Ratio Lower Upper

43 100

70 30.5 22.2 33.4

55 21.1 15.5 23.3

61 24.8 18.4 27.6

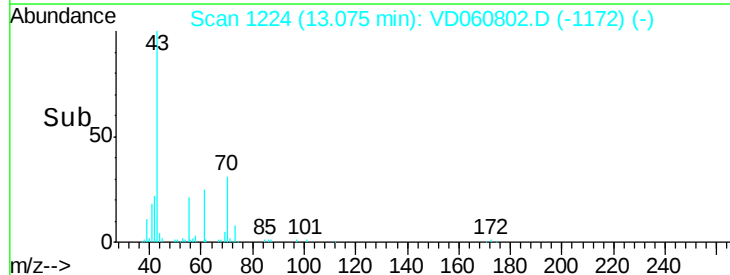
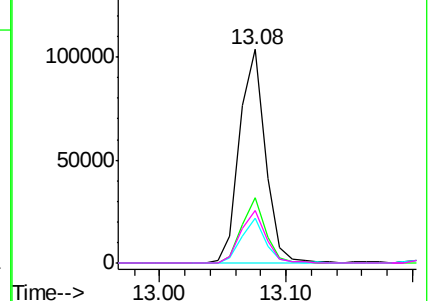


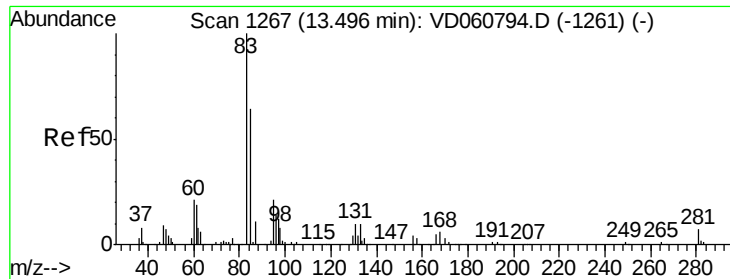
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.045 ug/l

RT: 13.51 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

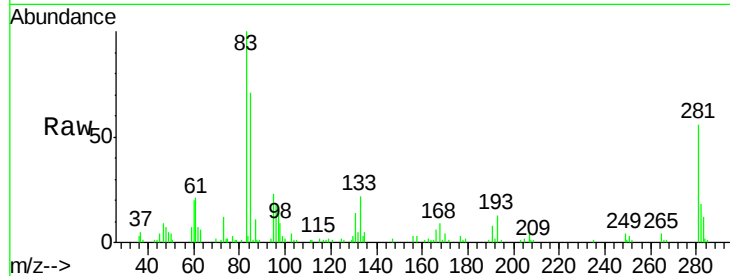
Tot Ion: 83 Resp: 81599

Ion Ratio Lower Upper

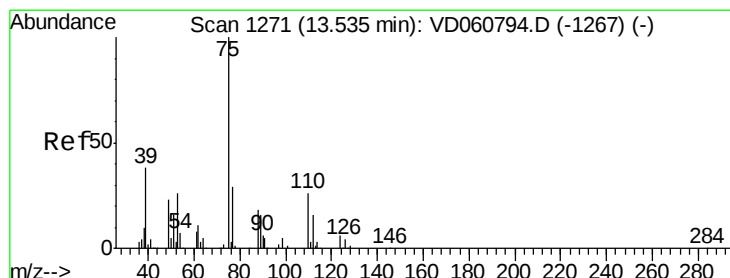
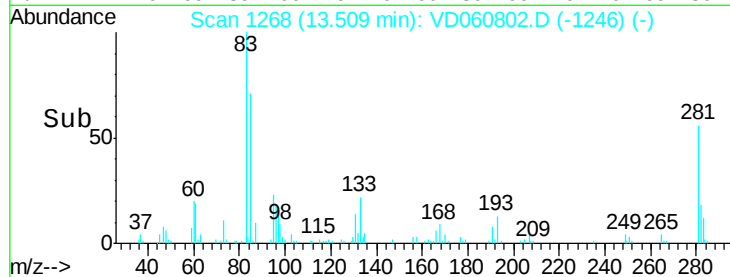
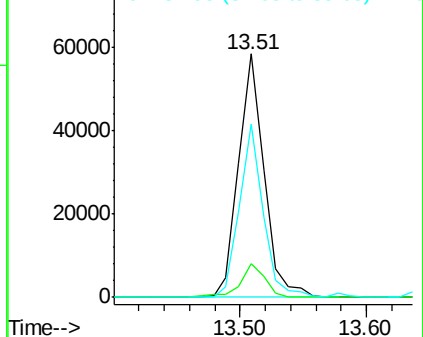
83 100

131 14.0 5.0 15.0

85 71.1 31.8 95.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.569 ug/l

RT: 13.54 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD060802.D

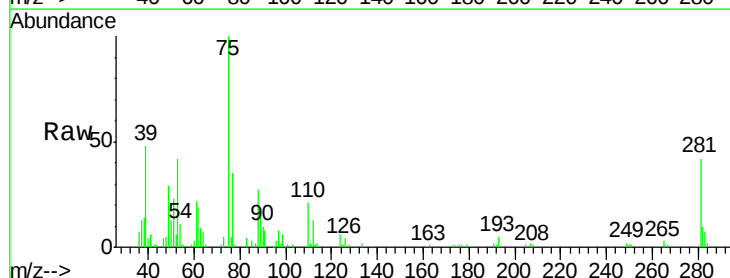
Acq: 30 Jan 2019 13:35

Tgt Ion: 75 Resp: 106061

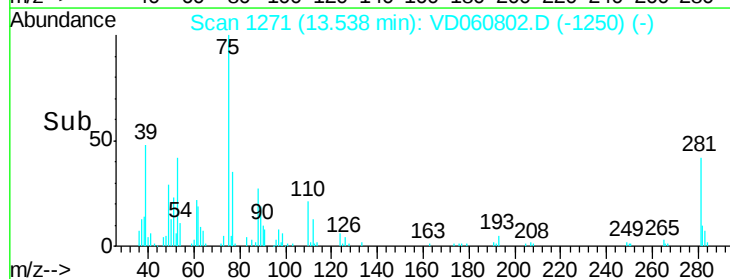
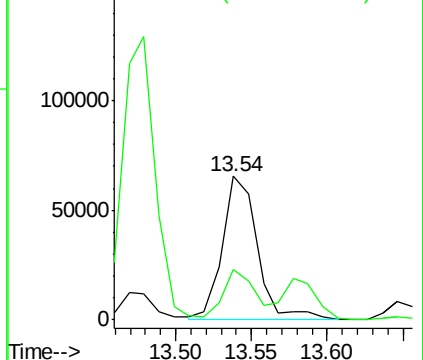
Ion Ratio Lower Upper

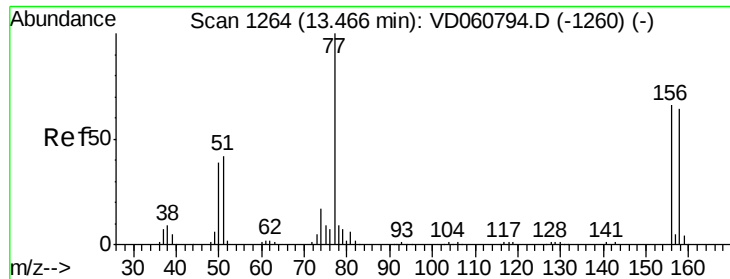
75 100

77 35.4 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.190 ug/l

RT: 13.48 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBSD01

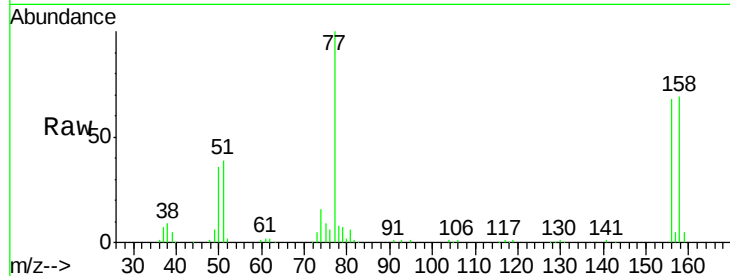
Tot Ion:156 Resp: 122505

Ion Ratio Lower Upper

156 100

77 146.5 76.0 228.0

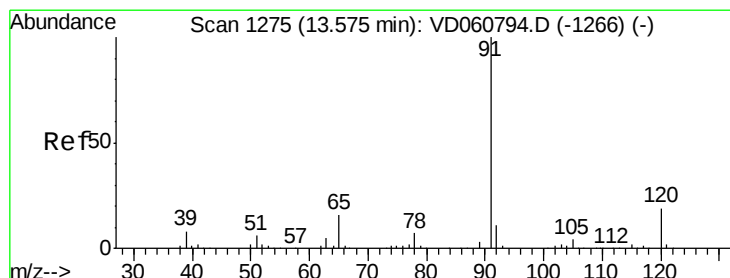
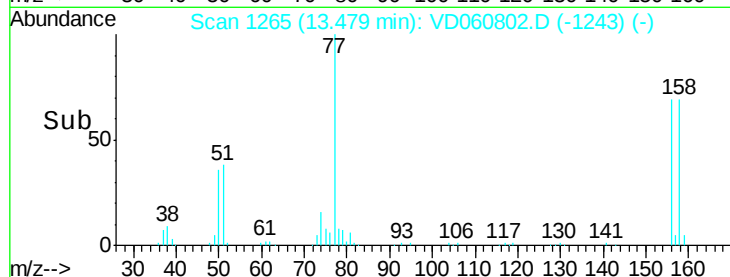
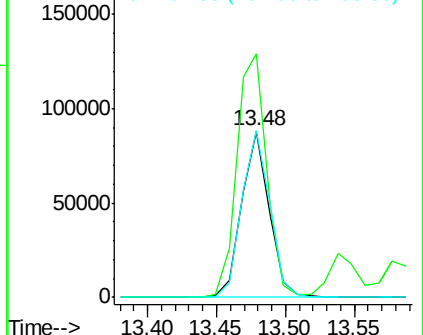
158 100.7 48.4 145.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.963 ug/l

RT: 13.58 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VD060802.D

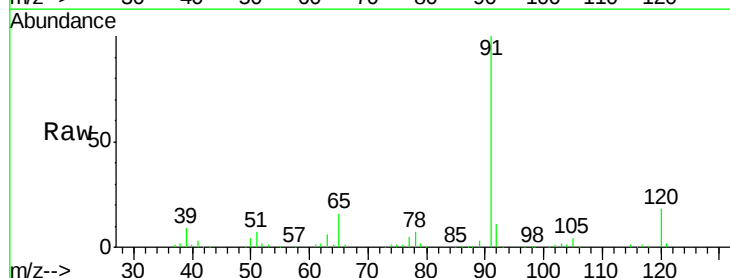
Acq: 30 Jan 2019 13:35

Tgt Ion: 91 Resp: 591182

Ion Ratio Lower Upper

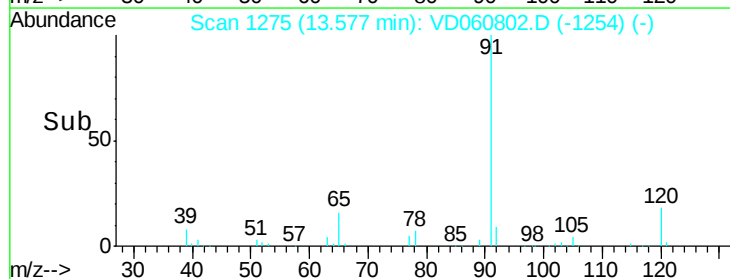
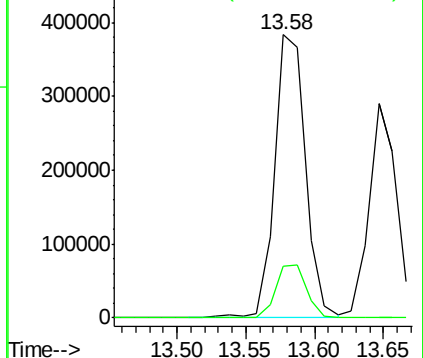
91 100

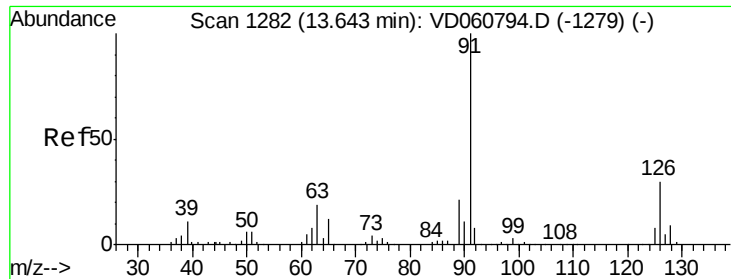
120 18.3 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

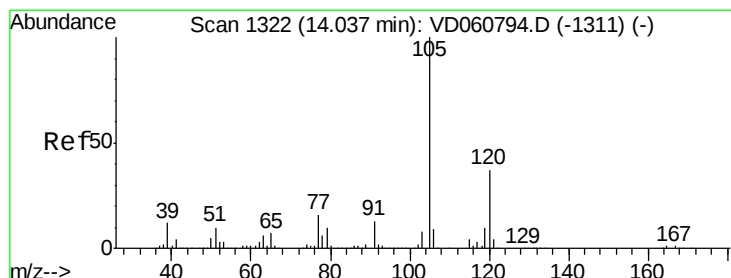
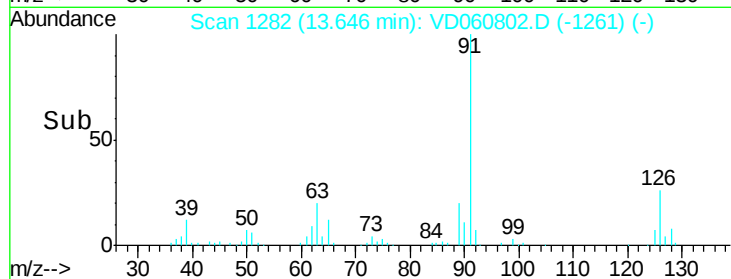
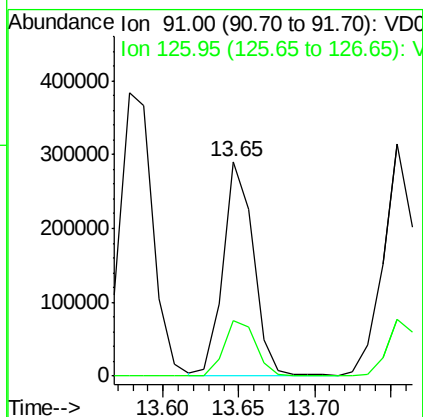
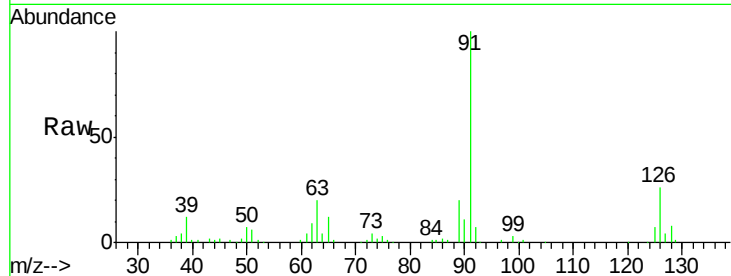




#79
 2-Chlorotoluene
 Concen: 21.114 ug/l
 RT: 13.65 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

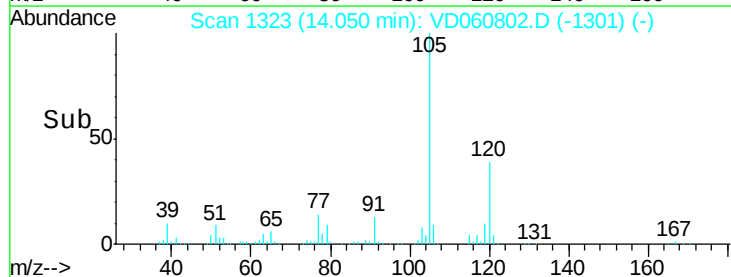
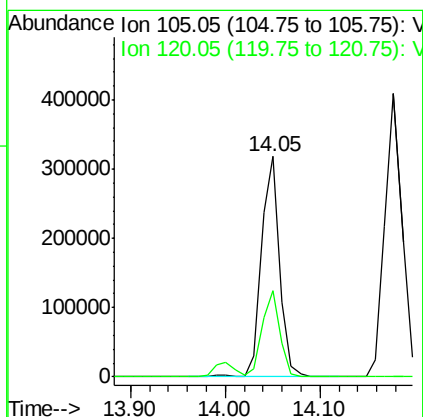
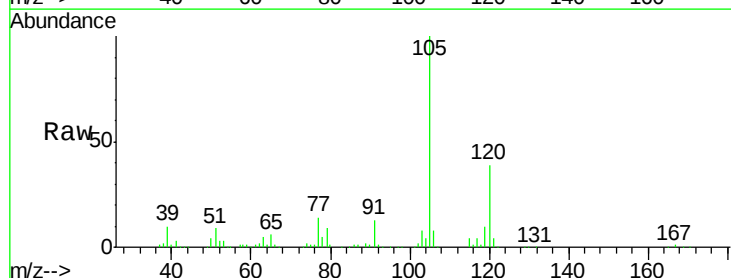
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBSD01

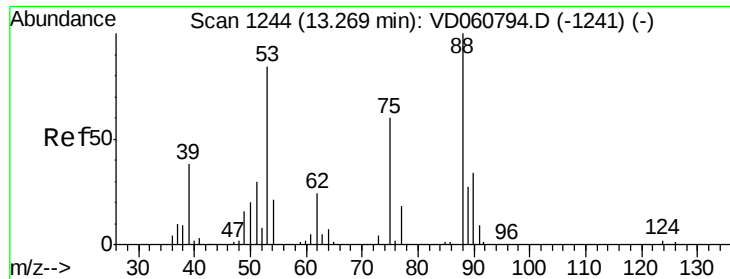
Tot Ion: 91 Resp: 401482
 Ion Ratio Lower Upper
 91 100
 126 25.9 14.7 44.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.024 ug/l
 RT: 14.05 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion: 105 Resp: 428110
 Ion Ratio Lower Upper
 105 100
 120 39.0 18.4 55.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.670 ug/l

RT: 13.28 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

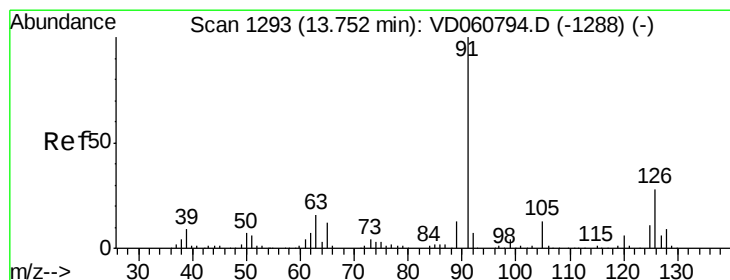
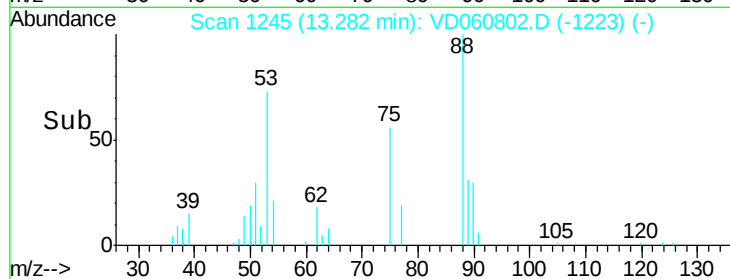
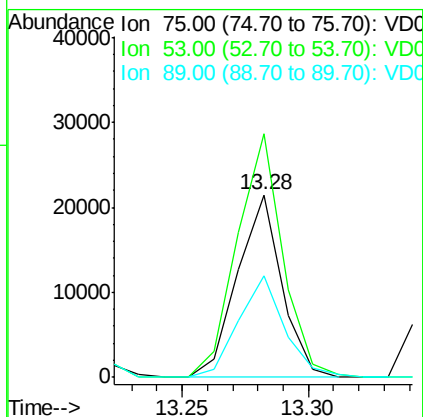
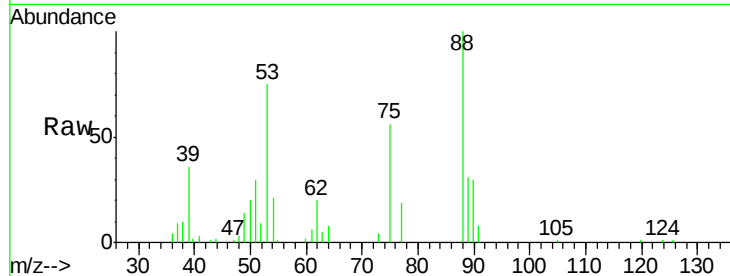
Tot Ion: 75 Resp: 26313

Ion Ratio Lower Upper

75 100

53 133.4 111.6 167.4

89 55.6 35.9 53.9#



#82

4-Chlorotoluene

Concen: 21.431 ug/l

RT: 13.75 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VD060802.D

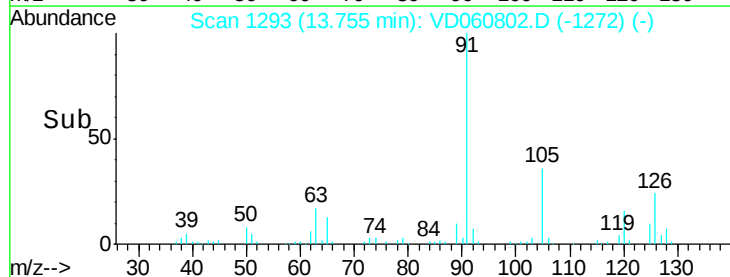
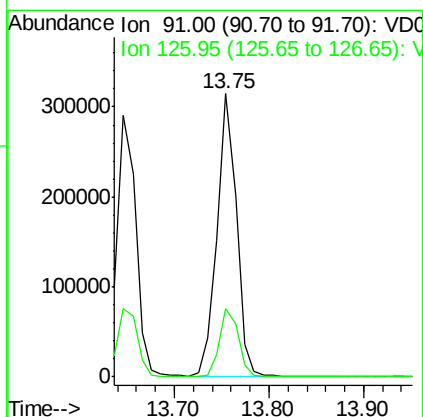
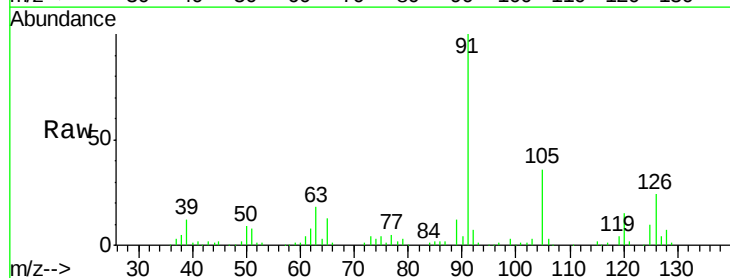
Acq: 30 Jan 2019 13:35

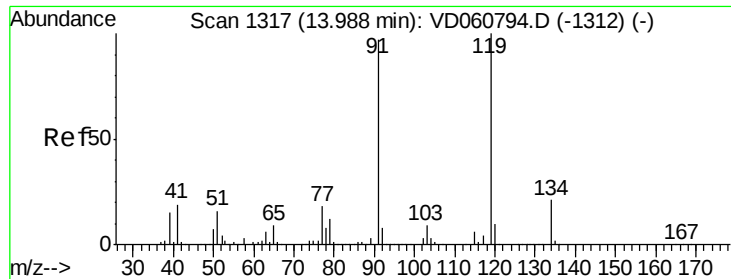
Tgt Ion: 91 Resp: 452911

Ion Ratio Lower Upper

91 100

126 24.4 13.9 41.7





#83

tert-Butylbenzene

Concen: 19.778 ug/l

RT: 14.00 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

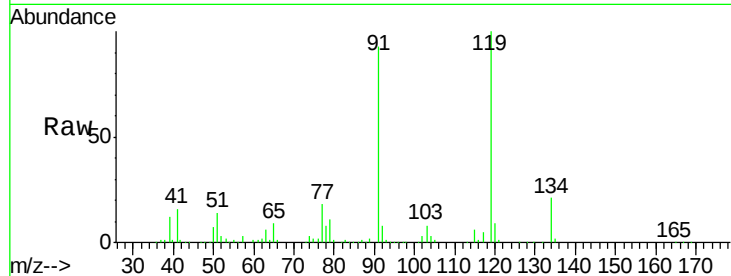
Tot Ion:119 Resp: 442397

Ion Ratio Lower Upper

119 100

91 93.0 48.5 145.5

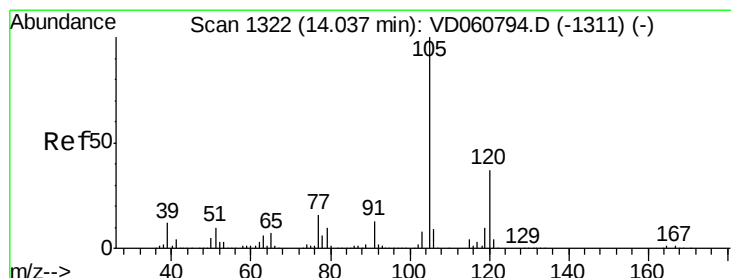
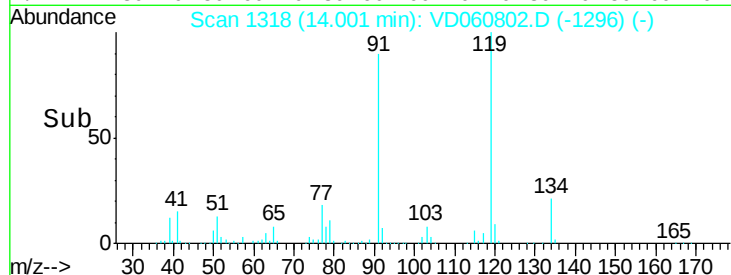
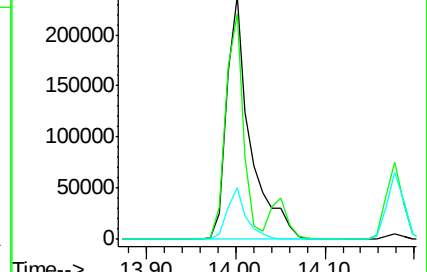
134 21.2 10.3 30.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.024 ug/l

RT: 14.05 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VD060802.D

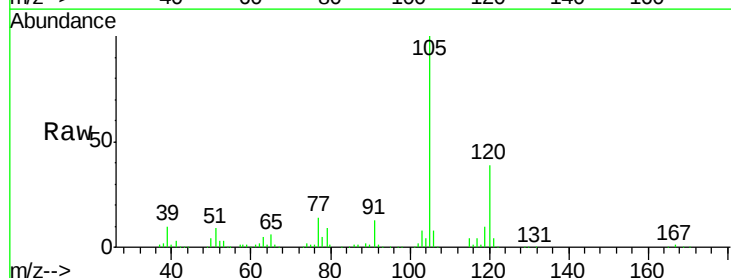
Acq: 30 Jan 2019 13:35

Tgt Ion:105 Resp: 428110

Ion Ratio Lower Upper

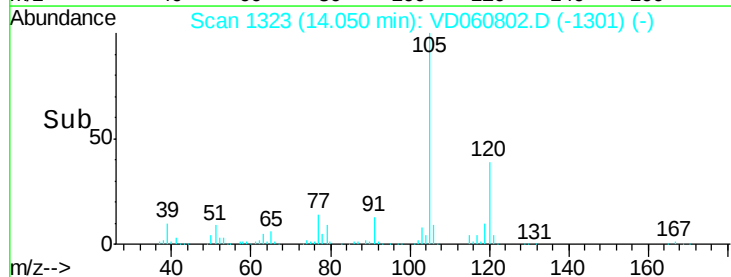
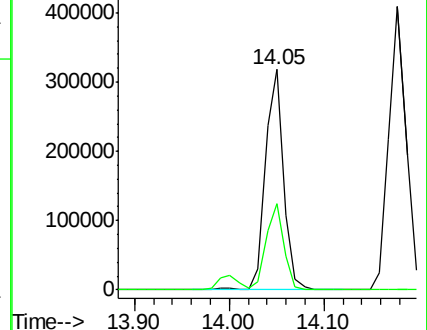
105 100

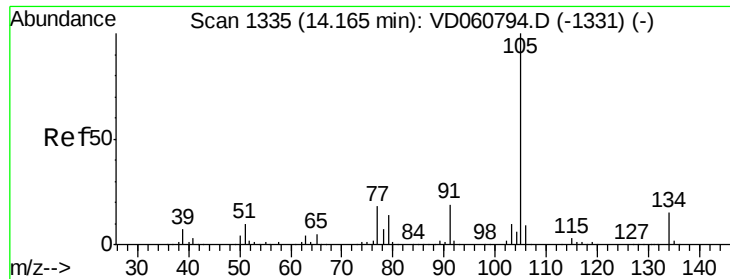
120 39.0 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

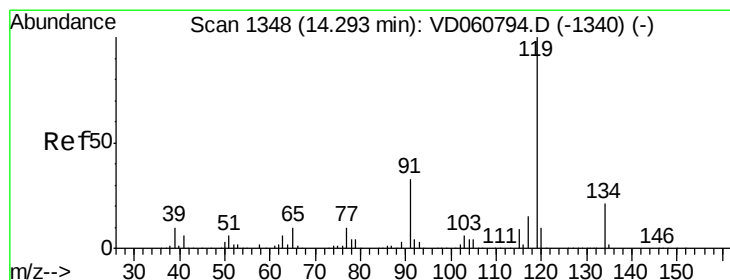
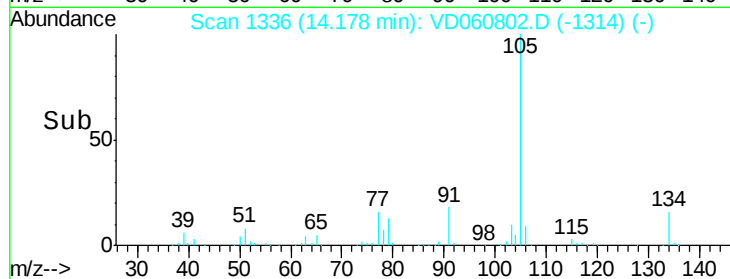
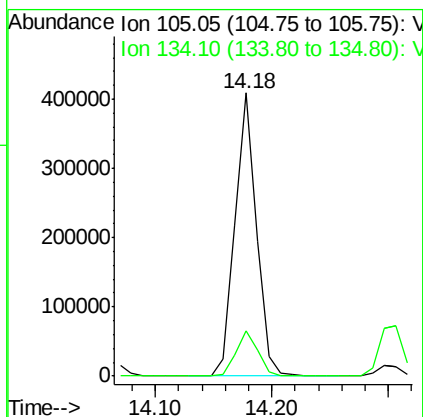
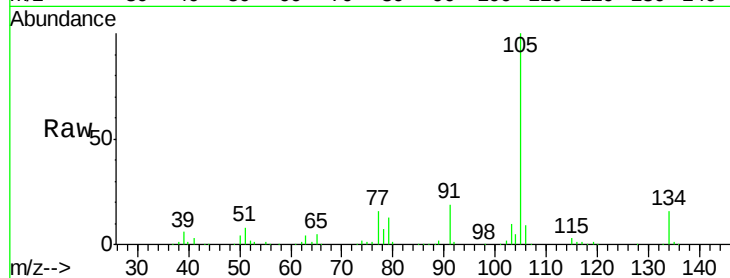




#85
 sec-Butylbenzene
 Concen: 20.530 ug/l
 RT: 14.18 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

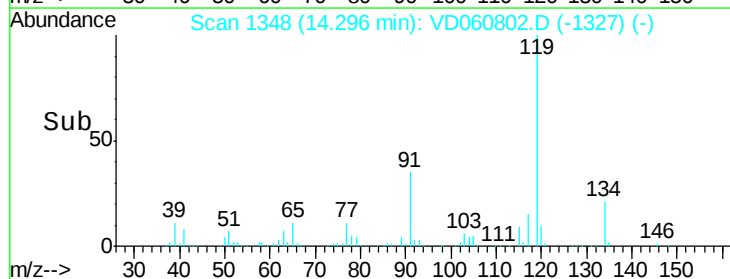
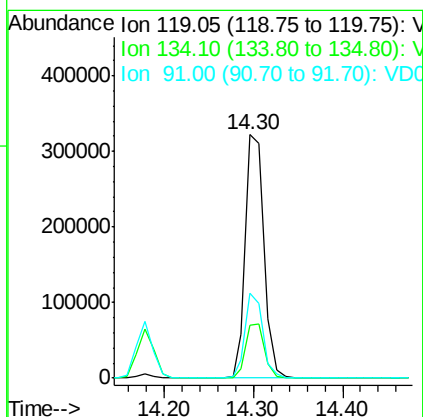
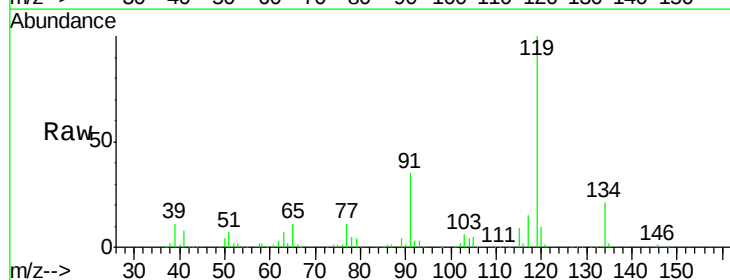
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBSD01

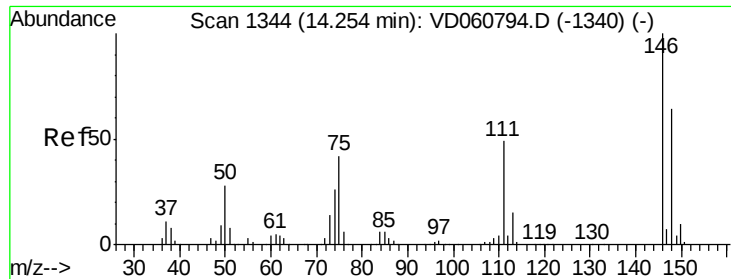
Tot Ion:105 Resp: 522727
 Ion Ratio Lower Upper
 105 100
 134 16.1 7.4 22.2



#86
 p-Isopropyltoluene
 Concen: 22.609 ug/l
 RT: 14.30 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion:119 Resp: 467380
 Ion Ratio Lower Upper
 119 100
 134 21.5 10.8 32.3
 91 35.1 16.7 50.0

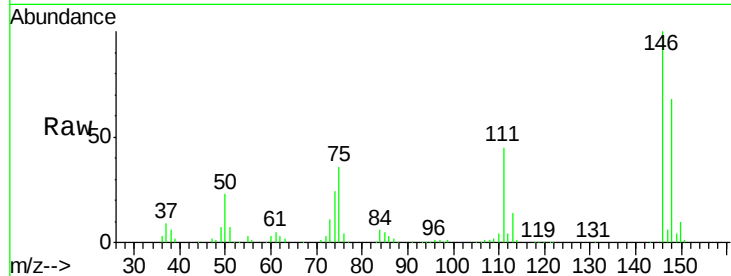




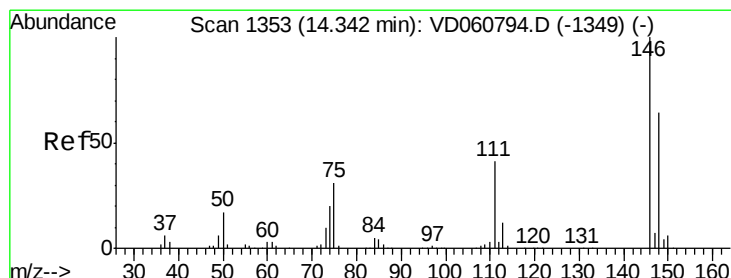
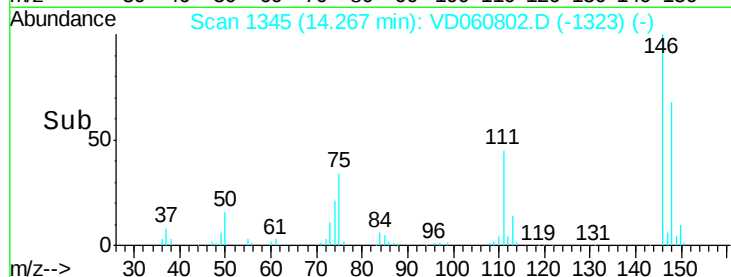
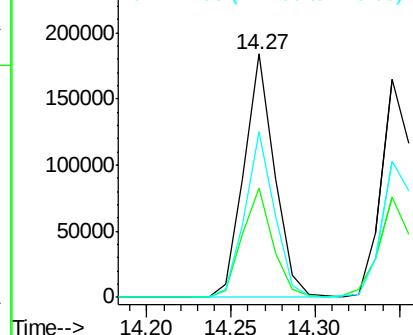
#87
 1,3-Dichlorobenzene
 Concen: 20.354 ug/l
 RT: 14.27 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBSD01

Tot Ion:146 Resp: 232407
 Ion Ratio Lower Upper
 146 100
 111 44.6 24.3 73.0
 148 68.0 32.1 96.5

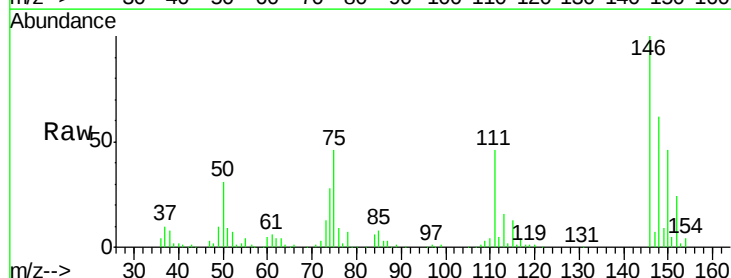


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

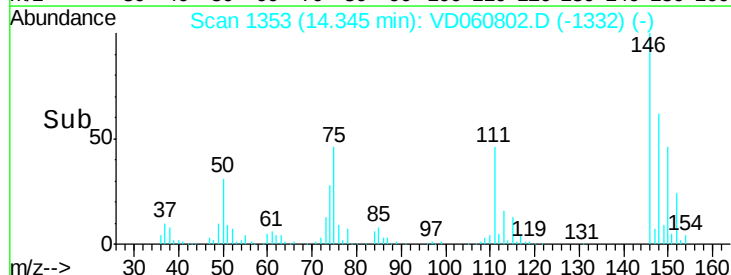
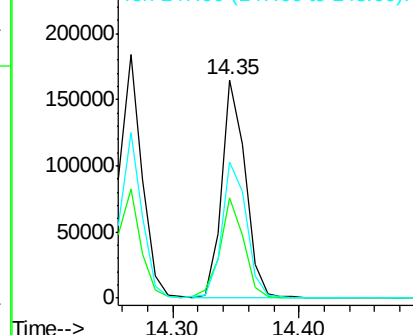


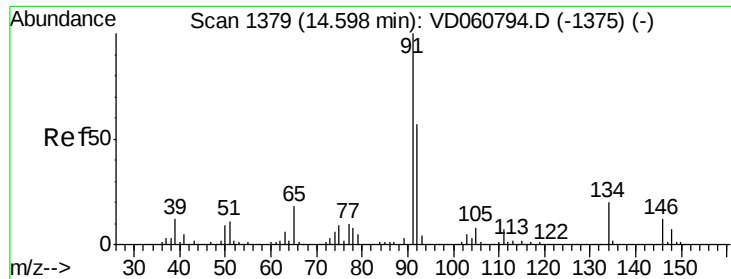
#88
 1,4-Dichlorobenzene
 Concen: 19.457 ug/l
 RT: 14.35 min Scan# 1353
 Delta R.T. 0.00 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion:146 Resp: 215863
 Ion Ratio Lower Upper
 146 100
 111 46.2 20.6 61.8
 148 62.2 31.9 95.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

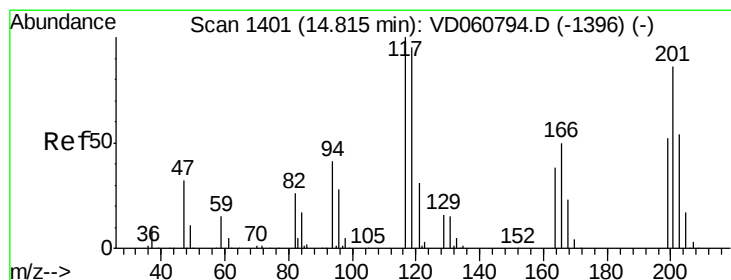
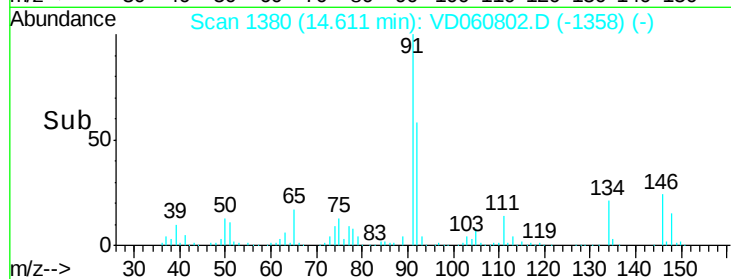
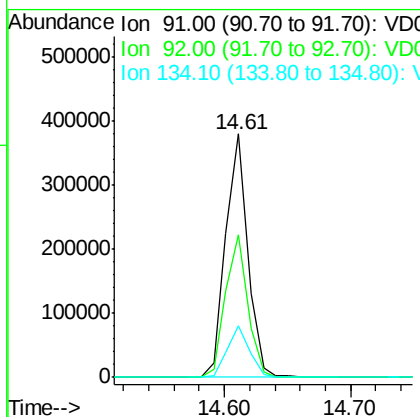
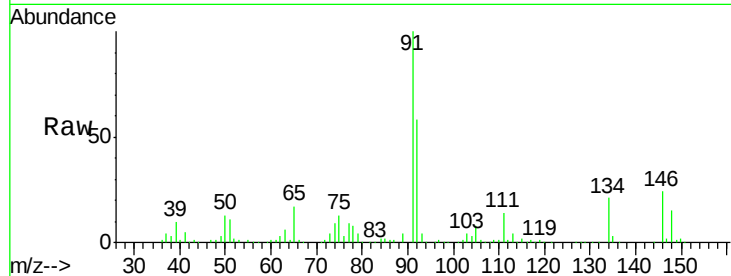




#89
n-Butylbenzene
Concen: 21.407 ug/l
RT: 14.61 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

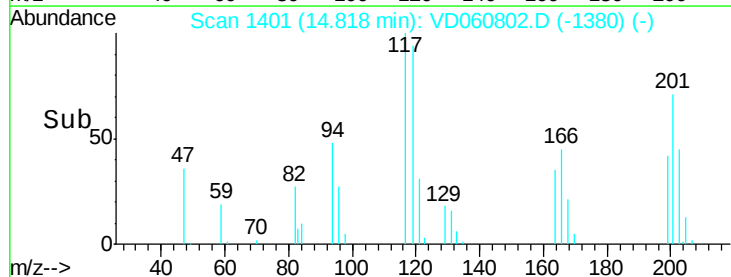
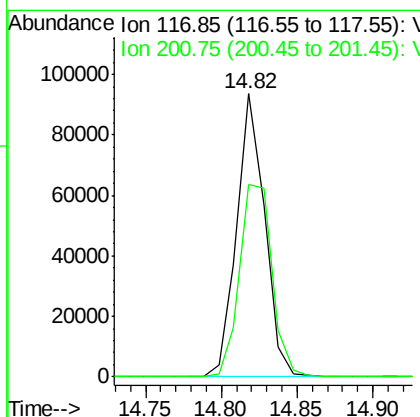
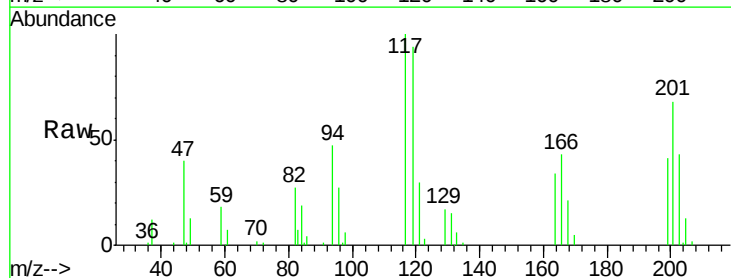
Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

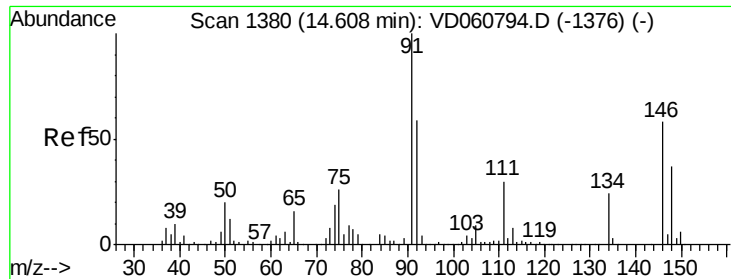
Tot Ion: 91 Resp: 461720
Ion Ratio Lower Upper
91 100
92 58.3 28.5 85.5
134 21.1 10.0 29.8



#90
Hexachloroethane
Concen: 19.473 ug/l
RT: 14.82 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VD060802.D
Acq: 30 Jan 2019 13:35

Tgt Ion: 117 Resp: 119788
Ion Ratio Lower Upper
117 100
201 68.0 43.0 128.8

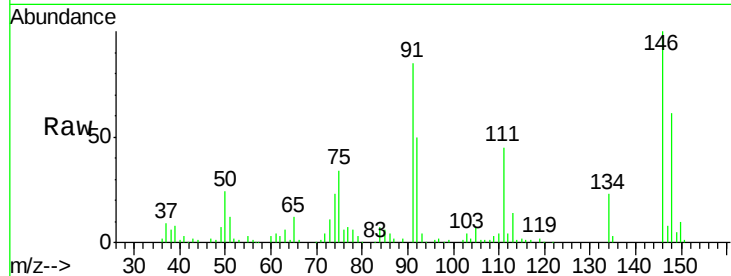




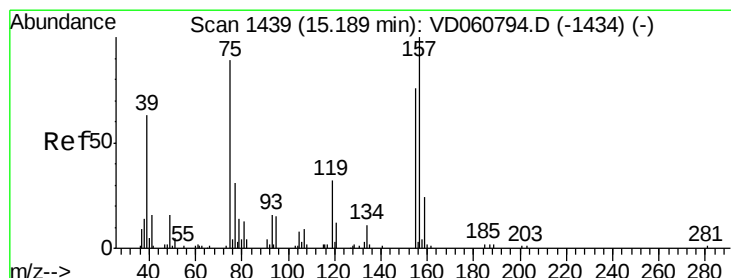
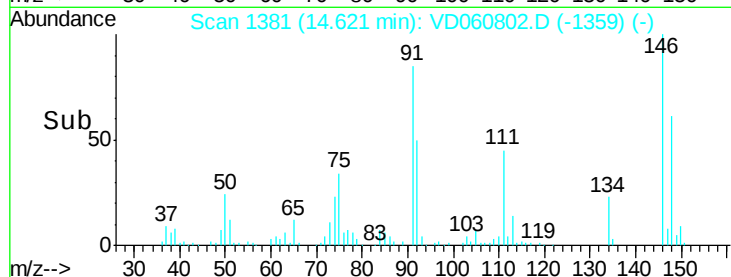
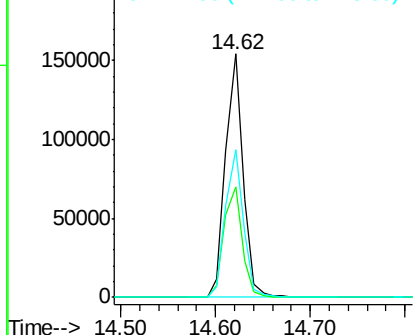
#91
 1,2-Dichlorobenzene
 Concen: 20.866 ug/l
 RT: 14.62 min Scan# 1381
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBSD01

Tot Ion:146 Resp: 197759
 Ion Ratio Lower Upper
 146 100
 111 45.2 25.6 76.8
 148 60.9 31.4 94.3

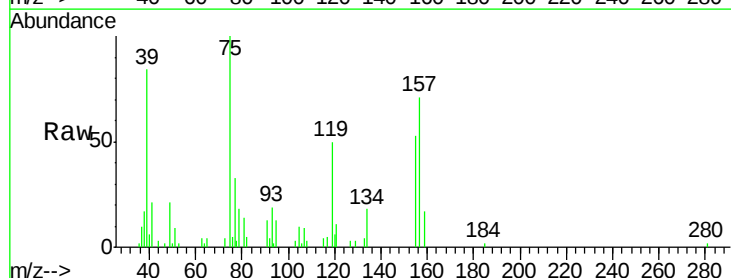


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

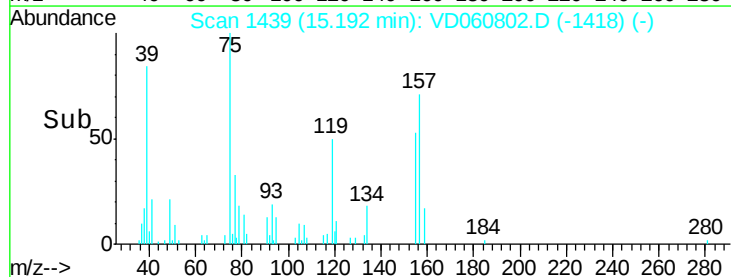
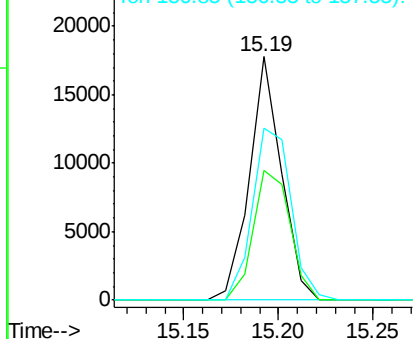


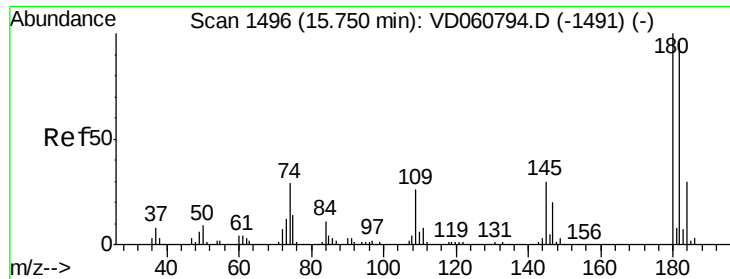
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.342 ug/l
 RT: 15.19 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion: 75 Resp: 20779
 Ion Ratio Lower Upper
 75 100
 155 53.3 43.0 129.0
 157 70.6 56.3 168.9



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

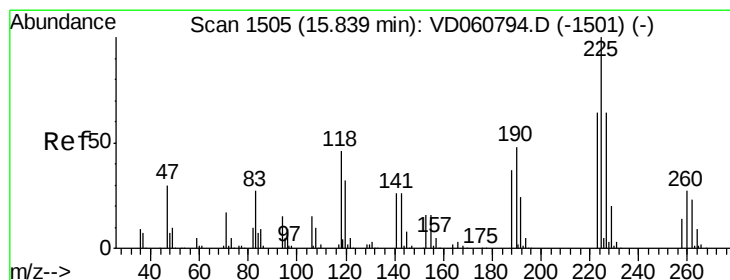
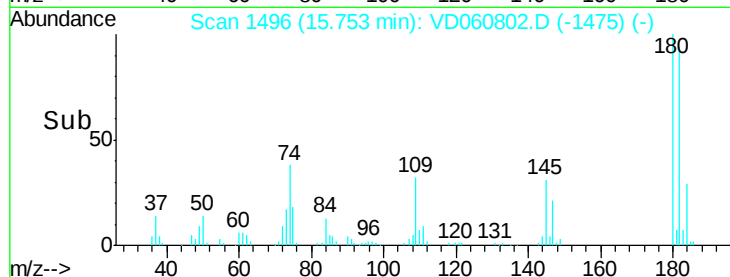
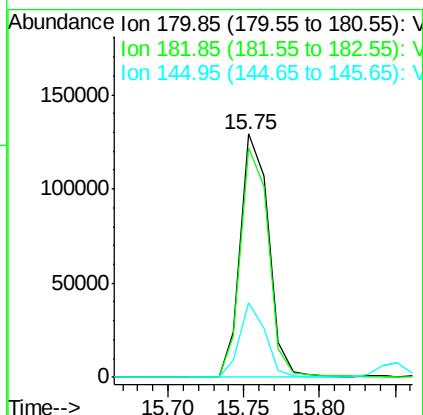
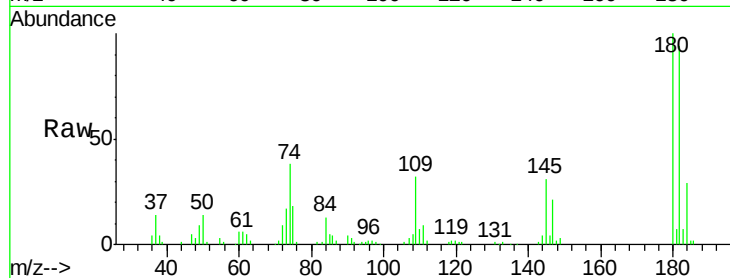




#93
 1,2,4-Trichlorobenzene
 Concen: 20.417 ug/l
 RT: 15.75 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

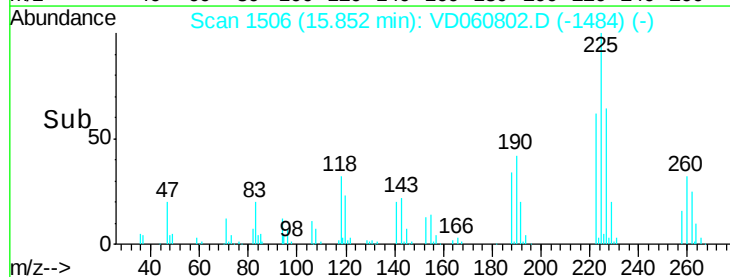
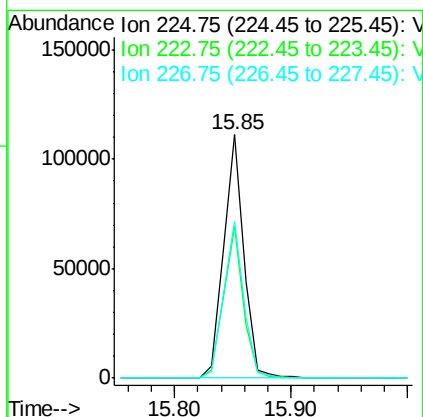
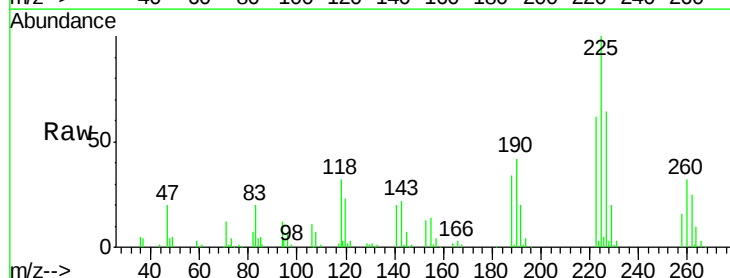
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

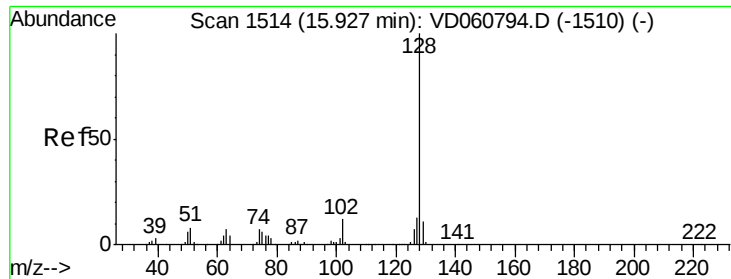
Tot Ion:180 Resp: 167553
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.9 143.7
 145 30.5 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 21.563 ug/l
 RT: 15.85 min Scan# 1506
 Delta R.T. 0.01 min
 Lab File: VD060802.D
 Acq: 30 Jan 2019 13:35

Tgt Ion:225 Resp: 132770
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.8 95.4
 227 64.4 31.9 95.5





#95

Naphthalene

Concen: 19.086 ug/l

RT: 15.94 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBSD01

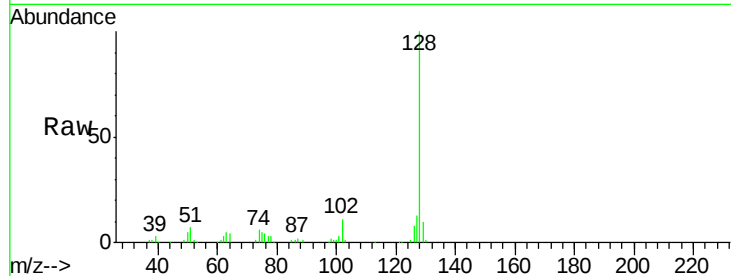
Tot Ion:128 Resp: 240653

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

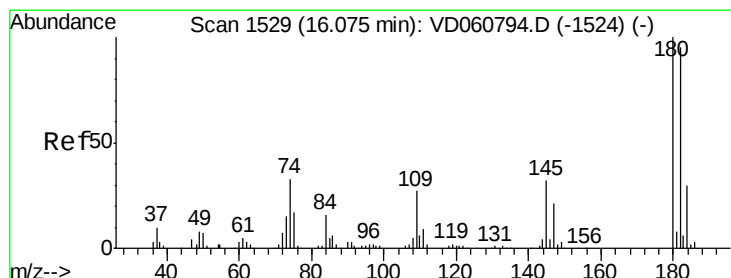
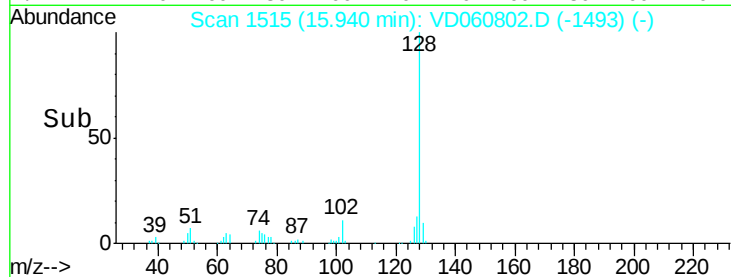
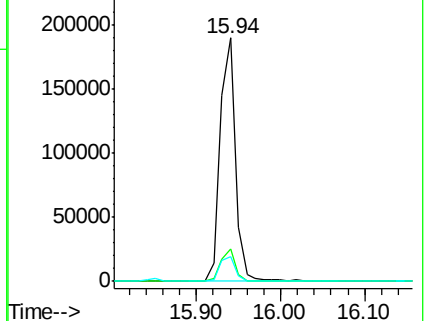
129 10.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.002 ug/l

RT: 16.09 min Scan# 1530

Delta R.T. 0.01 min

Lab File: VD060802.D

Acq: 30 Jan 2019 13:35

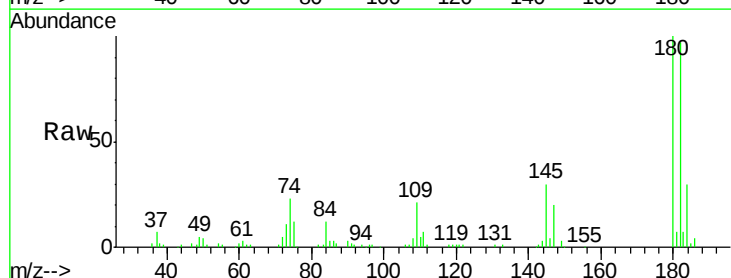
Tgt Ion:180 Resp: 142735

Ion Ratio Lower Upper

180 100

182 97.3 47.4 142.3

145 30.1 15.8 47.4



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

