

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060815.D
 Acq On : 1 Feb 2019 13:17
 Operator : VA/AP
 Sample : VD0201SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBSD01

Quant Time: Feb 02 00:22:49 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	6.75	168	501917	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.94	114	675438	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.14	117	528470	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.30	152	286471	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.18	65	390659	50.77	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	101.54%	
35) Dibromofluoromethane	6.64	113	325129	50.19	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	100.38%	
50) Toluene-d8	10.15	98	742423	49.08	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	13.34	95	371762	48.90	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	97.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	108987	17.859	ug/l	92
3) Chloromethane	1.73	50	68105	18.640	ug/l #	85
4) Vinyl Chloride	1.83	62	75859	19.560	ug/l	95
5) Bromomethane	2.11	94	24114	19.683	ug/l	99
6) Chloroethane	2.21	64	27823	17.926	ug/l	93
7) Trichlorofluoromethane	2.46	101	151459	19.839	ug/l	90
8) Diethyl Ether	2.78	74	22162	19.701	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.03	101	80193	20.727	ug/l	93
10) Methyl Iodide	3.18	142	80078	19.769	ug/l	98
11) Tert butyl alcohol	3.90	59	31297	85.109	ug/l #	89
12) 1,1-Dichloroethene	3.01	96	56958	21.543	ug/l	95
13) Acrolein	2.93	56	17426	124.257	ug/l	94
14) Allyl chloride	3.47	41	122037	19.835	ug/l #	91
15) Acrylonitrile	4.01	53	74656	90.609	ug/l	98
16) Acetone	3.10	43	109656	98.666	ug/l	96
17) Carbon Disulfide	3.25	76	181703	19.402	ug/l	96
18) Methyl Acetate	3.48	43	38158	17.319	ug/l	100
19) Methyl tert-butyl Ether	4.05	73	233359	19.333	ug/l	99
20) Methylene Chloride	3.65	84	91450	15.492	ug/l	94
21) trans-1,2-Dichloroethene	4.02	96	91077	19.541	ug/l	93
22) Diisopropyl ether	4.84	45	276380	17.432	ug/l	98
23) Vinyl Acetate	4.78	43	831895	91.113	ug/l	100
24) 1,1-Dichloroethane	4.73	63	192275	18.525	ug/l	99
25) 2-Butanone	5.80	43	119898	84.285	ug/l	98
26) 2,2-Dichloropropane	5.75	77	204671	18.715	ug/l	98
27) cis-1,2-Dichloroethene	5.76	96	94409	17.785	ug/l	93
28) Bromochloromethane	6.15	49	75695	18.695	ug/l	94
29) Tetrahydrofuran	6.19	42	57374	83.988	ug/l	99
30) Chloroform	6.39	83	219779	17.915	ug/l	96
31) Cyclohexane	6.67	56	120628	17.081	ug/l	96
32) 1,1,1-Trichloroethane	6.60	97	228051	19.304	ug/l	97
36) 1,1-Dichloropropene	6.87	75	152699	18.934	ug/l	98
37) Ethyl Acetate	5.91	43	64121	17.811	ug/l	95
38) Carbon Tetrachloride	6.83	117	209915	20.757	ug/l	93

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Quant Time: Feb 02 00:22:49 2019
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 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)
39) Methylcyclohexane	8.60	83	122986	18.210	ug/l	96
40) Benzene	7.19	78	284109	17.850	ug/l	96
41) Methacrylonitrile	6.18	41	80029	35.004	ug/l #	91
42) 1,2-Dichloroethane	7.30	62	176768	19.117	ug/l	99
43) Isopropyl Acetate	8.98	43	86921	18.512	ug/l #	98
44) Trichloroethene	8.27	130	92811	17.201	ug/l	98
45) 1,2-Dichloropropane	8.67	63	75936	17.624	ug/l	96
46) Dibromomethane	8.80	93	62242	18.609	ug/l	95
47) Bromodichloromethane	9.12	83	174838	19.366	ug/l	99
48) Methyl methacrylate	8.86	41	64542	19.934	ug/l	97
49) 1,4-Dioxane	8.82	88	9564	362.361	ug/l	90
51) 4-Methyl-2-Pentanone	10.05	43	278923	91.732	ug/l	96
52) Toluene	10.26	92	185900	18.413	ug/l	99
53) t-1,3-Dichloropropene	10.66	75	155233	19.547	ug/l	91
54) cis-1,3-Dichloropropene	9.79	75	159860	19.630	ug/l	96
55) 1,1,2-Trichloroethane	10.95	97	61540	17.878	ug/l	96
56) Ethyl methacrylate	10.80	69	74985	17.982	ug/l	95
57) 1,3-Dichloropropane	11.16	76	101450	17.244	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.60	63	216730	99.056	ug/l	99
59) 2-Hexanone	11.29	43	202938	88.764	ug/l	92
60) Dibromochloromethane	11.45	129	116154	18.769	ug/l	98
61) 1,2-Dibromoethane	11.57	107	78538	19.373	ug/l	98
64) Tetrachloroethene	11.01	164	89892	18.534	ug/l	92
65) Chlorobenzene	12.17	112	231693	19.185	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.29	131	96162	18.534	ug/l	98
67) Ethyl Benzene	12.30	91	417578	19.229	ug/l	93
68) m/p-Xylenes	12.44	106	272247	38.533	ug/l	97
69) o-Xylene	12.83	106	134794	19.276	ug/l	82
70) Styrene	12.85	104	226094	19.281	ug/l	94
71) Bromoform	13.01	173	76188	19.489	ug/l	96
73) Isopropylbenzene	13.18	105	434845	19.038	ug/l	98
74) N-amyl acetate	13.04	43	125029	17.806	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.49	83	71522	17.198	ug/l	97
76) 1,2,3-Trichloropropane	13.52	75	93663	17.830	ug/l	95
77) Bromobenzene	13.46	156	110861	18.882	ug/l	85
78) n-propylbenzene	13.56	91	569380	19.858	ug/l	96
79) 2-Chlorotoluene	13.62	91	332516	19.013	ug/l	94
80) 1,3,5-Trimethylbenzene	14.03	105	382011	19.428	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.26	75	21835	15.943	ug/l	96
82) 4-Chlorotoluene	13.73	91	396887	20.419	ug/l	97
83) tert-Butylbenzene	13.98	119	391568	19.034	ug/l	88
84) 1,2,4-Trimethylbenzene	14.03	105	382011	19.428	ug/l	93
85) sec-Butylbenzene	14.16	105	451055	19.261	ug/l	99
86) p-Isopropyltoluene	14.28	119	414094	21.780	ug/l	99
87) 1,3-Dichlorobenzene	14.24	146	194582	18.529	ug/l	95
88) 1,4-Dichlorobenzene	14.32	146	184363	18.068	ug/l	96
89) n-Butylbenzene	14.59	91	391526	19.737	ug/l	98
90) Hexachloroethane	14.80	117	106929	18.900	ug/l	82
91) 1,2-Dichlorobenzene	14.60	146	155741	17.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.17	75	17882	18.099	ug/l	64

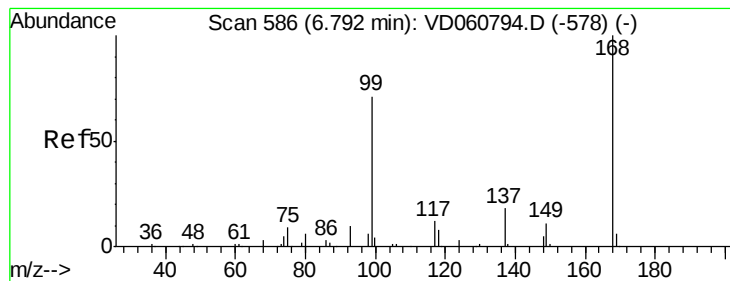
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
Data File : VD060815.D
Acq On : 1 Feb 2019 13:17
Operator : VA/AP
Sample : VD0201SBSD01
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Quant Time: Feb 02 00:22:49 2019
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.74	180	159549	21.139	ug/l	97
94) Hexachlorobutadiene	15.83	225	118372	20.903	ug/l	94
95) Naphthalene	15.92	128	210618	18.162	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	124905	19.031	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.75 min Scan# 582

Delta R.T. -0.04 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

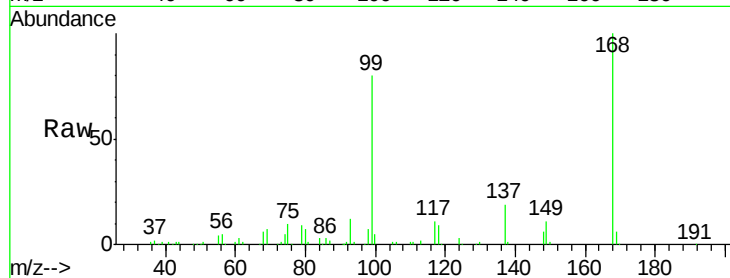
VD0201SBSD01

Tot Ion:168 Resp: 501917

Ion Ratio Lower Upper

168 100

99 79.6 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.75

150000

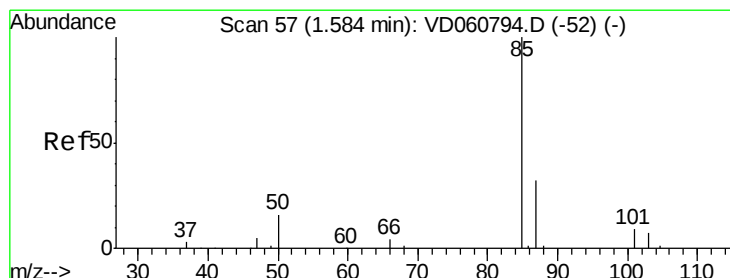
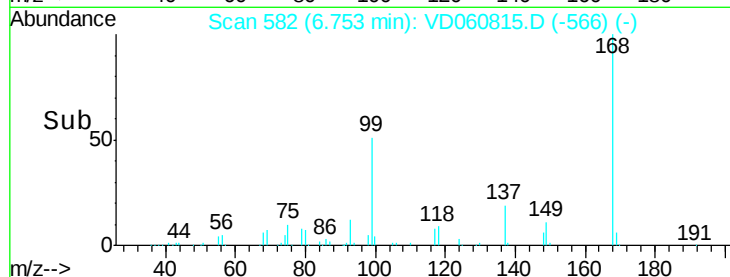
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50000

0

6.60 6.70 6.80 6.90 7.00

Time-->



#2

Dichlorodifluoromethane

Concen: 17.859 ug/l

RT: 1.57 min Scan# 55

Delta R.T. -0.02 min

Lab File: VD060815.D

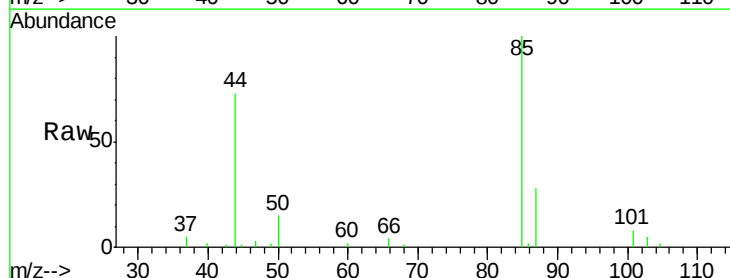
Acq: 1 Feb 2019 13:17

Tgt Ion: 85 Resp: 108987

Ion Ratio Lower Upper

85 100

87 27.7 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

40000

30000

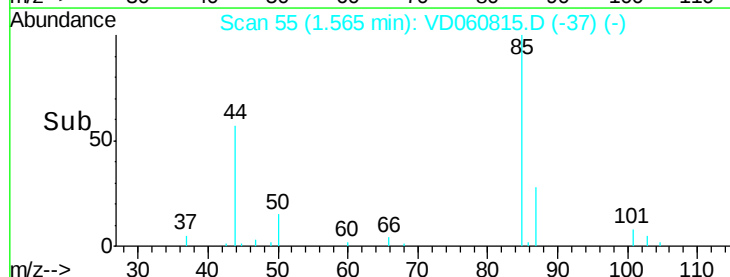
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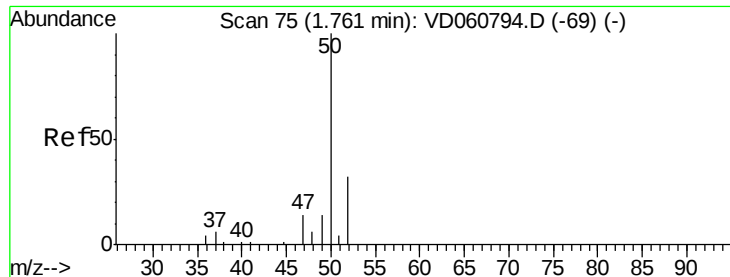
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 18.640 ug/l

RT: 1.73 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

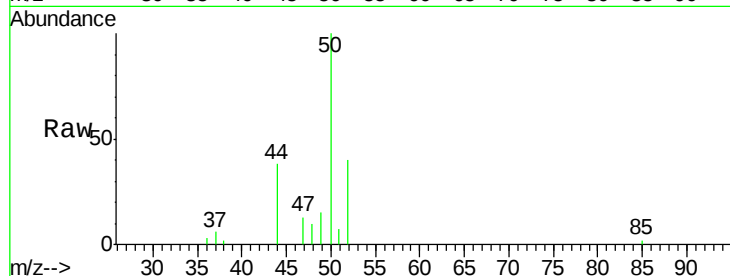
VD0201SBSD01

Tot Ion: 50 Resp: 68105

Ion Ratio Lower Upper

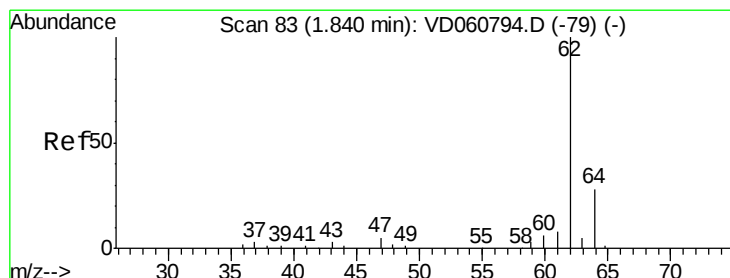
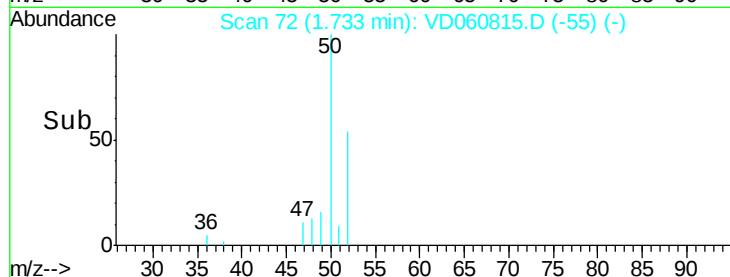
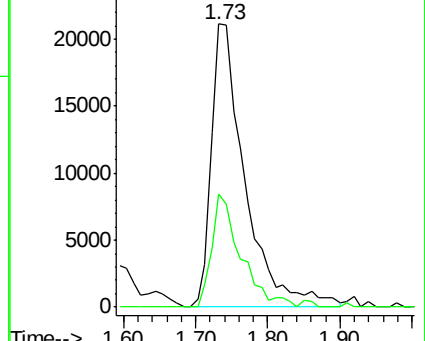
50 100

52 39.9 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: 19.560 ug/l

RT: 1.83 min Scan# 82

Delta R.T. -0.01 min

Lab File: VD060815.D

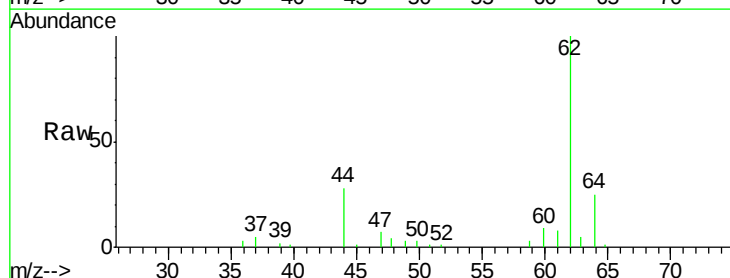
Acq: 1 Feb 2019 13:17

Tgt Ion: 62 Resp: 75859

Ion Ratio Lower Upper

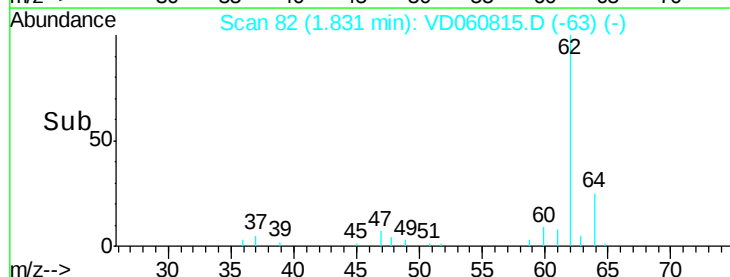
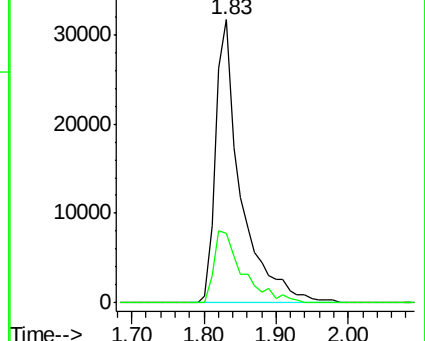
62 100

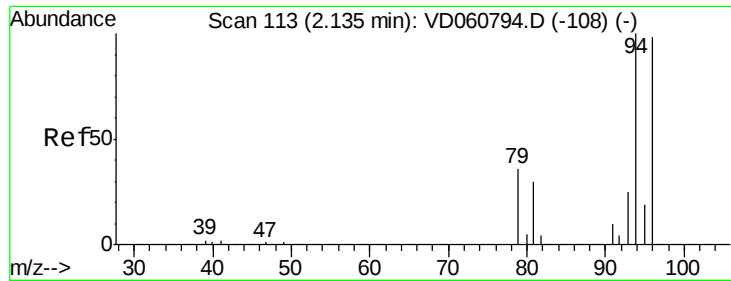
64 24.8 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.683 ug/l

RT: 2.11 min Scan# 110

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

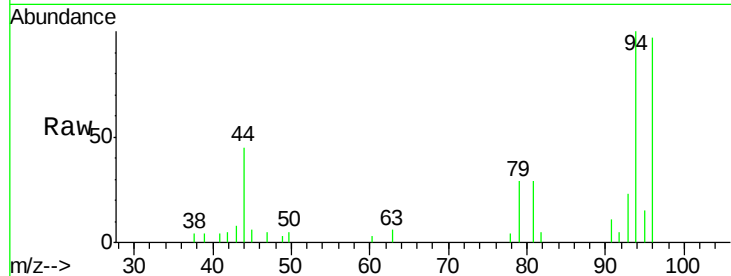
VD0201SBSD01

Tot Ion: 94 Resp: 24114

Ion Ratio Lower Upper

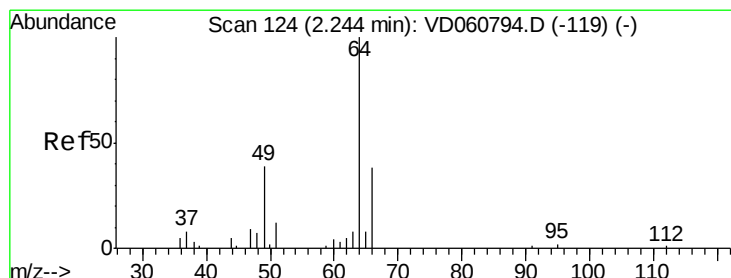
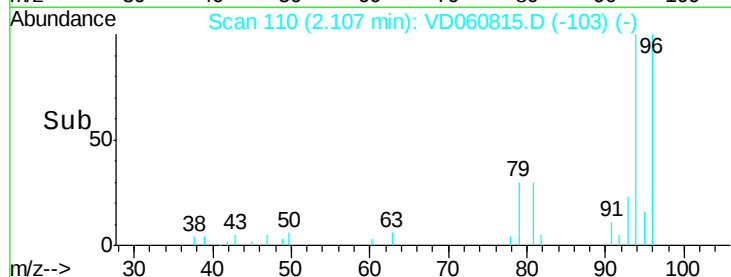
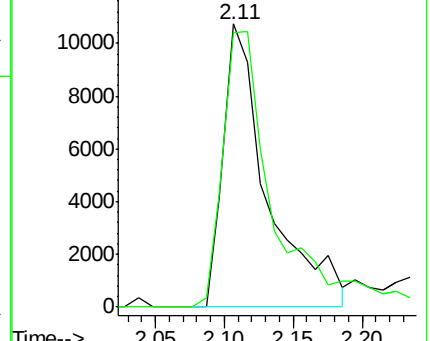
94 100

96 96.9 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: 17.926 ug/l

RT: 2.21 min Scan# 121

Delta R.T. -0.03 min

Lab File: VD060815.D

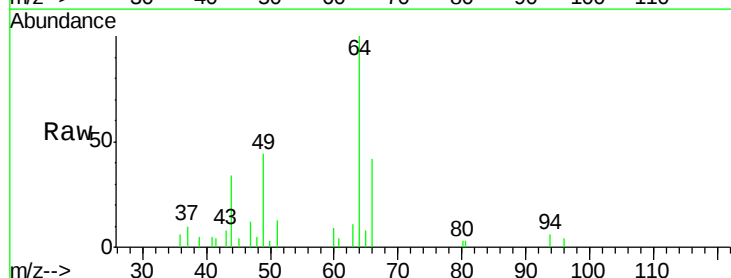
Acq: 1 Feb 2019 13:17

Tgt Ion: 64 Resp: 27823

Ion Ratio Lower Upper

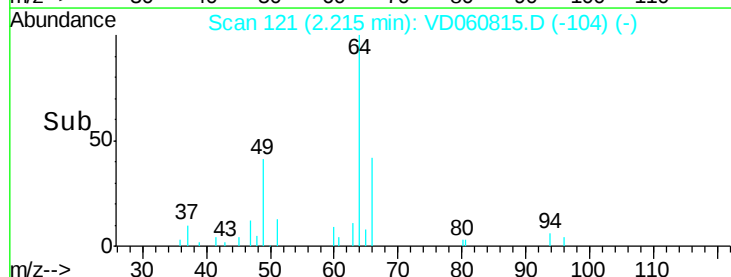
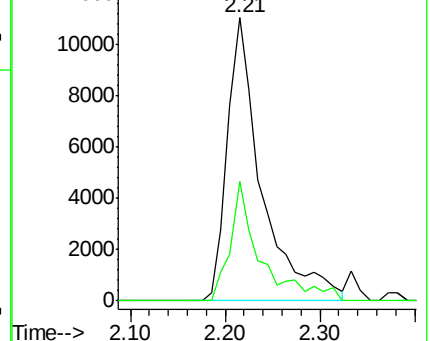
64 100

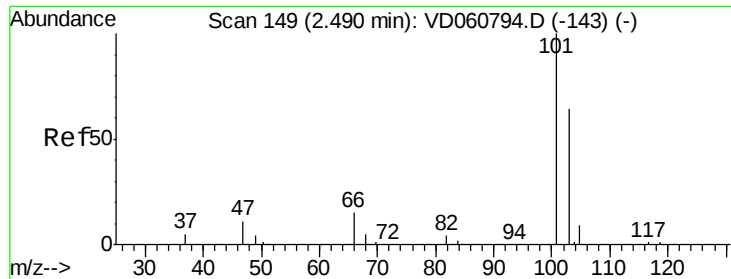
66 42.1 30.2 45.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



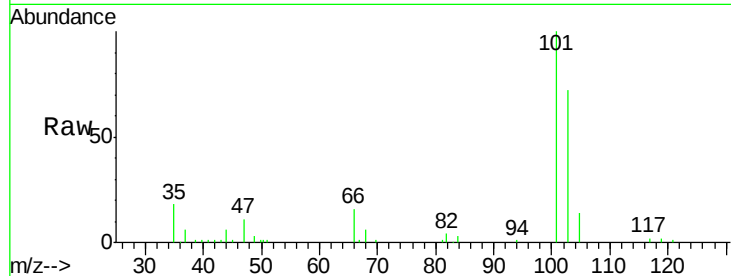


#7

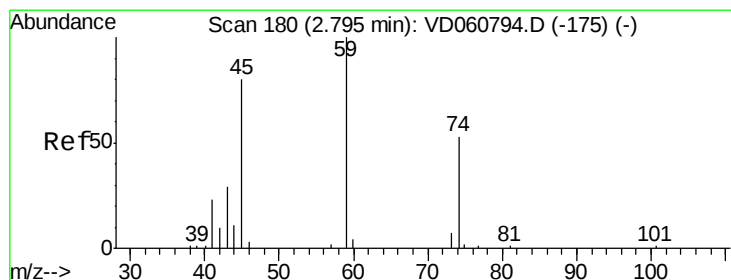
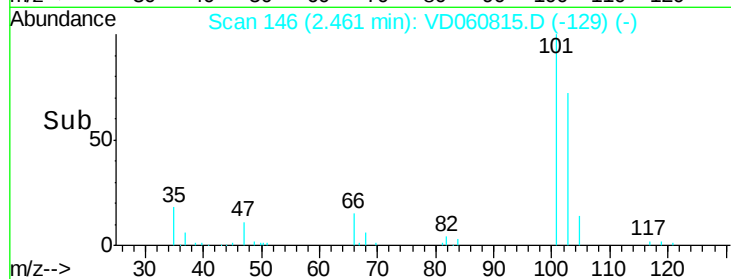
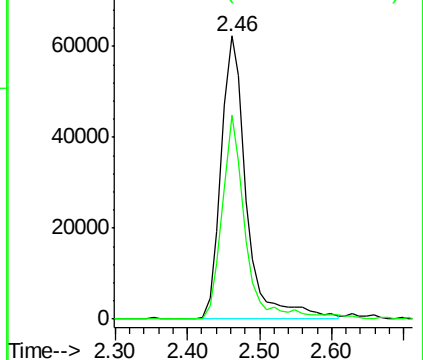
Trichlorofluoromethane
Concen: 19.839 ug/l
RT: 2.46 min Scan# 146
Delta R.T. -0.03 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

Tot Ion:101 Resp: 151459
Ion Ratio Lower Upper
101 100
103 72.2 51.3 76.9



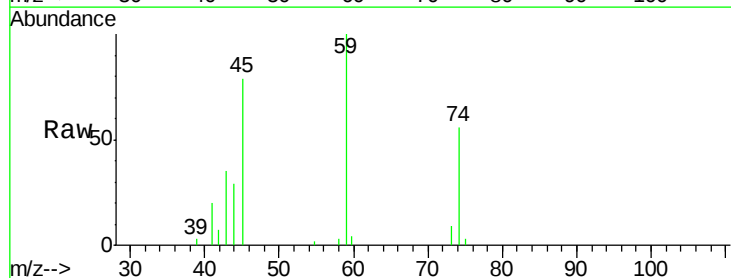
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



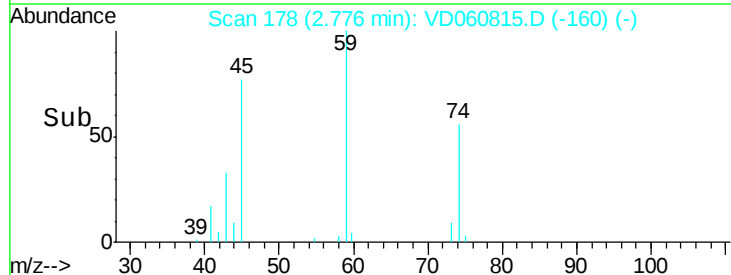
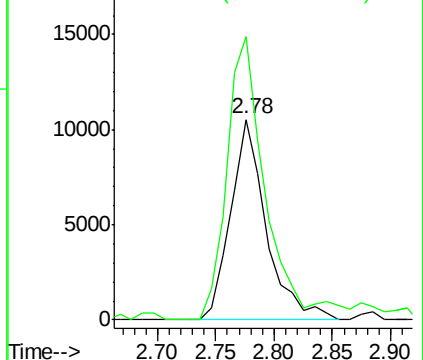
#8

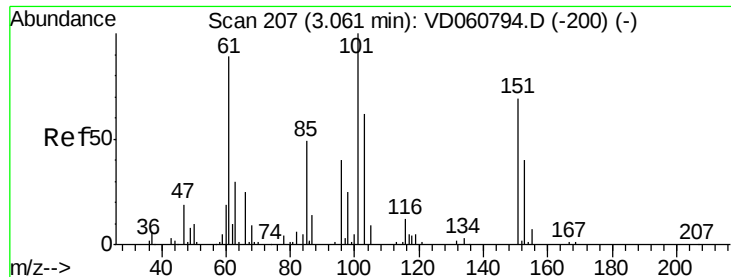
Diethyl Ether
Concen: 19.701 ug/l
RT: 2.78 min Scan# 178
Delta R.T. -0.02 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Tgt Ion: 74 Resp: 22162
Ion Ratio Lower Upper
74 100
45 141.3 75.6 226.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.727 ug/l

RT: 3.03 min Scan# 204

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBSD01

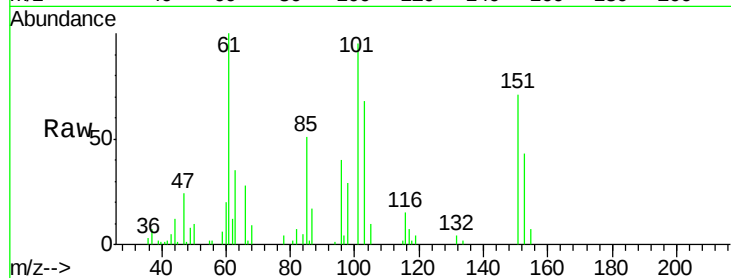
Tot Ion:101 Resp: 80193

Ion Ratio Lower Upper

101 100

85 54.0 39.3 58.9

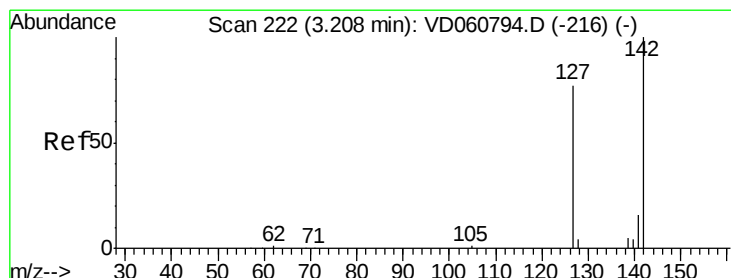
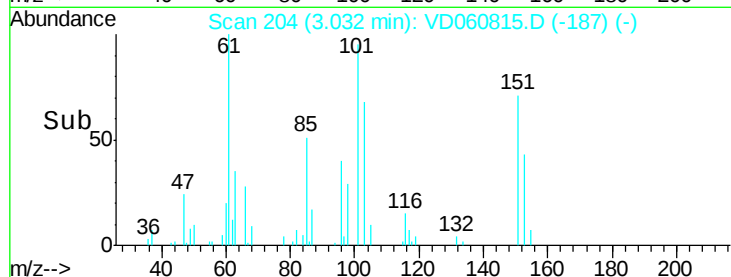
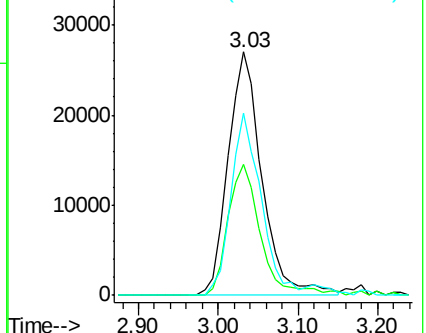
151 75.0 55.1 82.7



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: 19.769 ug/l

RT: 3.18 min Scan# 219

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

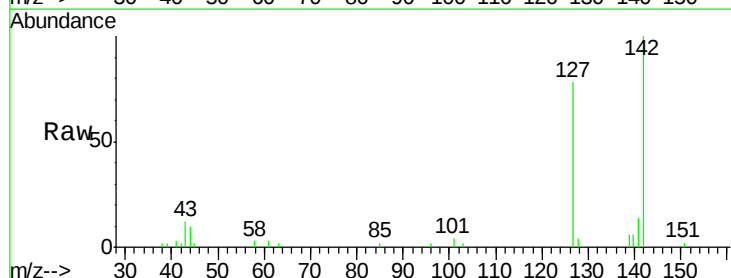
Tgt Ion:142 Resp: 80078

Ion Ratio Lower Upper

142 100

127 78.1 61.6 92.4

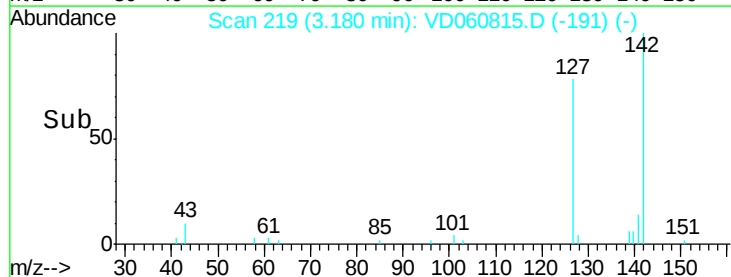
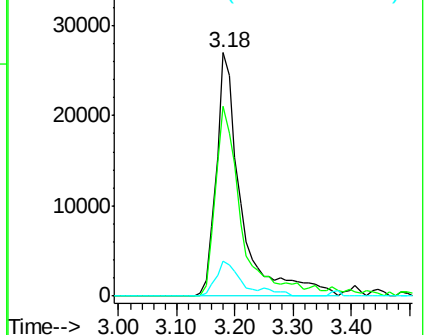
141 14.1 12.5 18.7

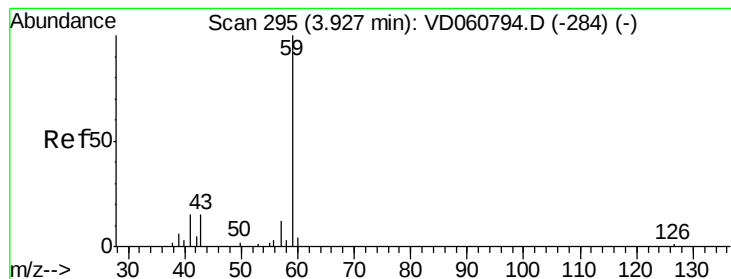


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



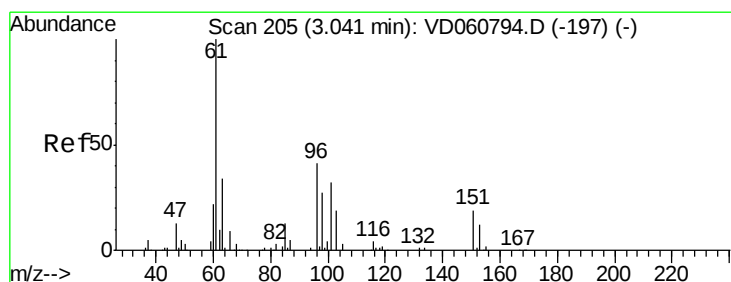
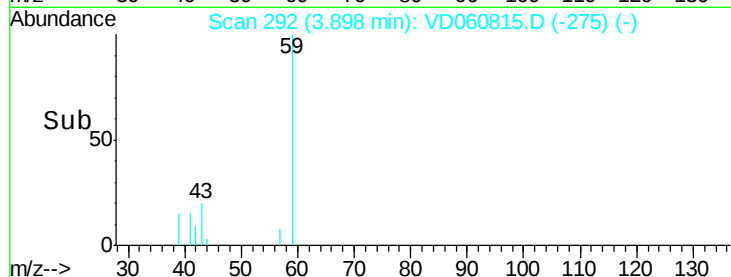
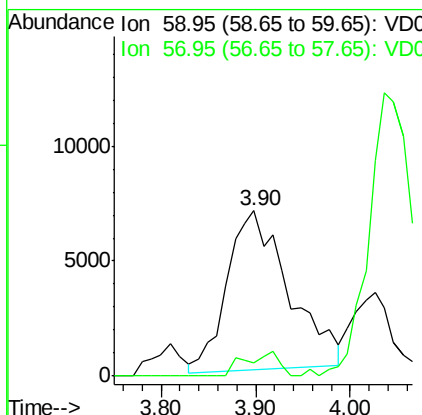
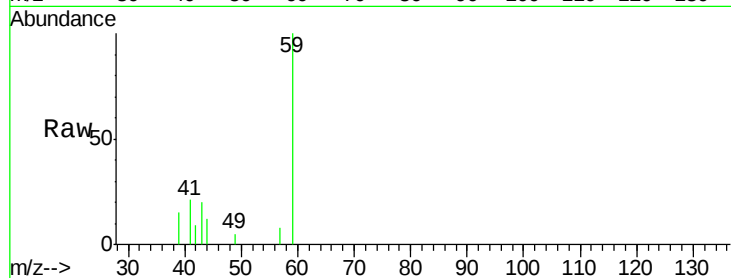


#11

Tert butyl alcohol
 Concen: 85.109 ug/l
 RT: 3.90 min Scan# 292
 Delta R.T. -0.03 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBSD01

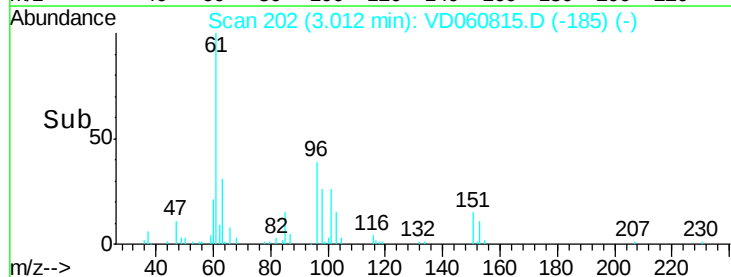
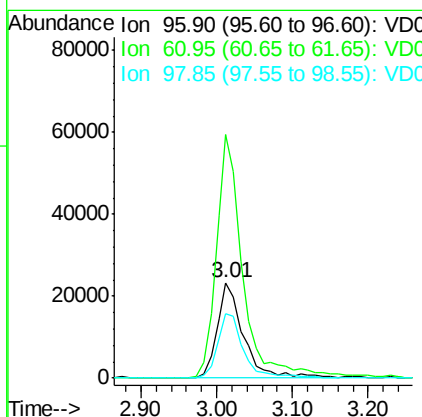
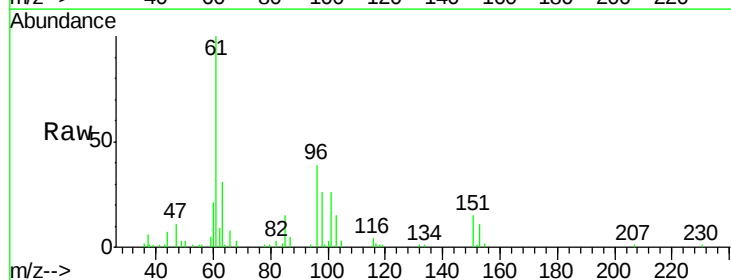
Tot Ion: 59 Resp: 31297
 Ion Ratio Lower Upper
 59 100
 57 7.9 9.8 14.6#

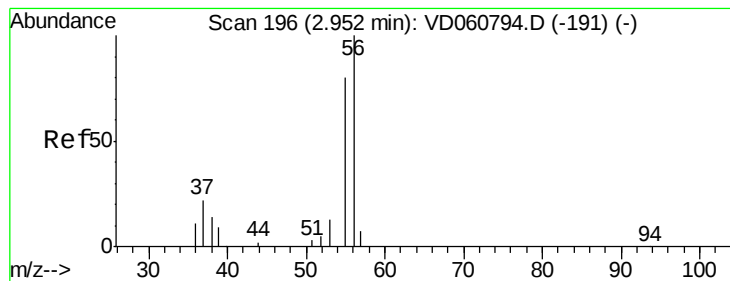


#12

1,1-Dichloroethene
 Concen: 21.543 ug/l
 RT: 3.01 min Scan# 202
 Delta R.T. -0.03 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Tgt Ion: 96 Resp: 56958
 Ion Ratio Lower Upper
 96 100
 61 254.4 195.1 292.7
 98 67.2 52.5 78.7





#13

Acrolein

Concen: 124.257 ug/l

RT: 2.93 min Scan# 194

Delta R.T. -0.02 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

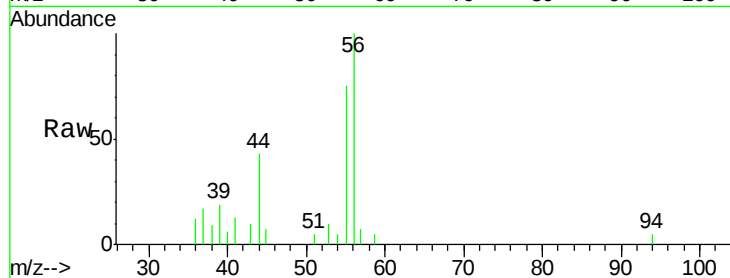
VD0201SBSD01

Tot Ion: 56 Resp: 17426

Ion Ratio Lower Upper

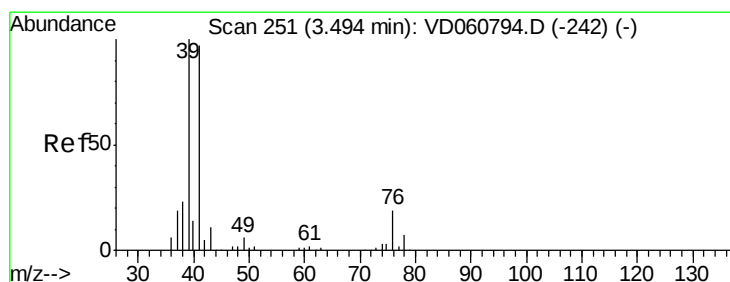
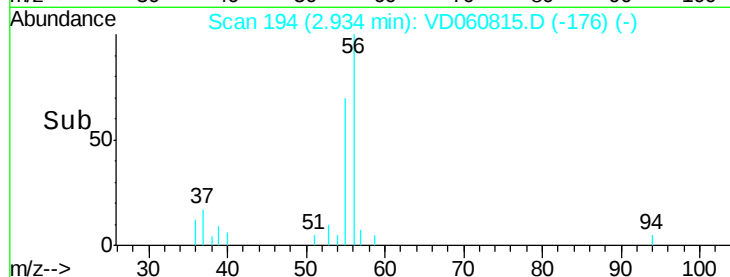
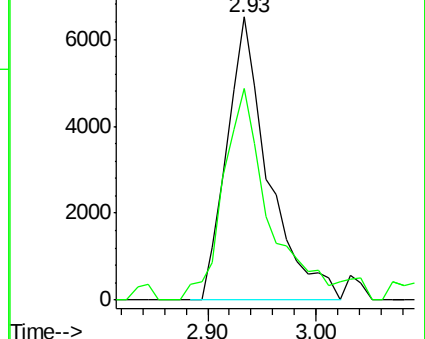
56 100

55 74.7 64.2 96.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.835 ug/l

RT: 3.47 min Scan# 248

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

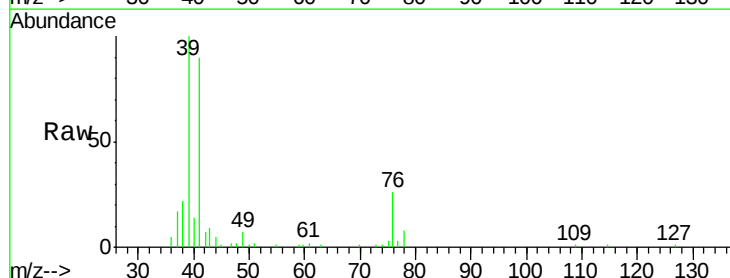
Tgt Ion: 41 Resp: 122037

Ion Ratio Lower Upper

41 100

39 111.5 82.6 123.8

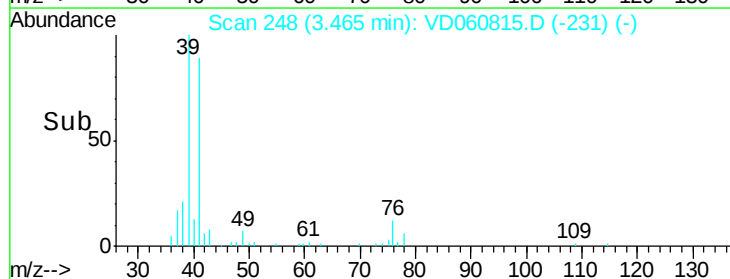
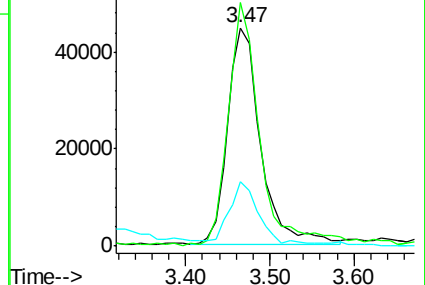
76 29.4 18.9 28.3#

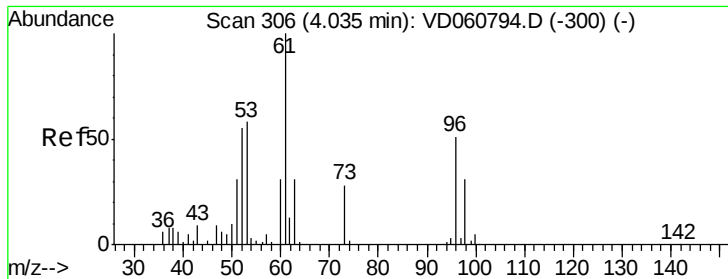


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 90.609 ug/l

RT: 4.01 min Scan# 303

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

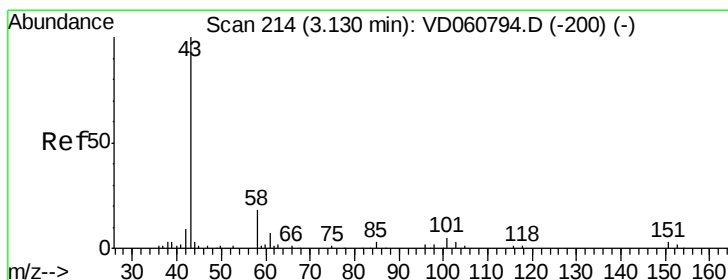
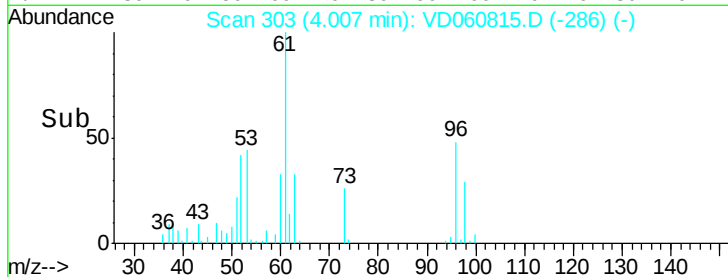
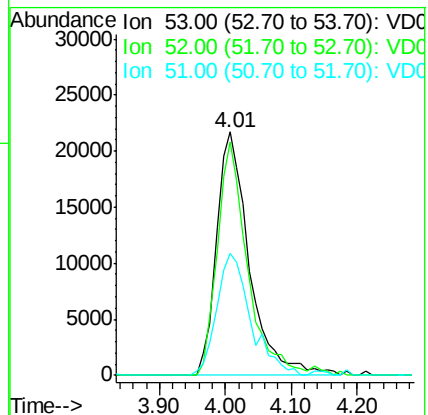
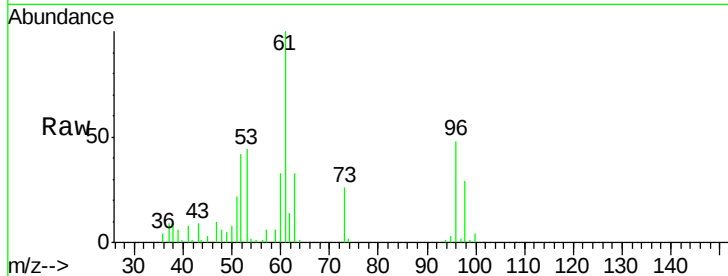
Tot Ion: 53 Resp: 74656

Ion Ratio Lower Upper

53 100

52 95.6 75.4 113.2

51 49.9 42.5 63.7



#16

Acetone

Concen: 98.666 ug/l

RT: 3.10 min Scan# 211

Delta R.T. -0.03 min

Lab File: VD060815.D

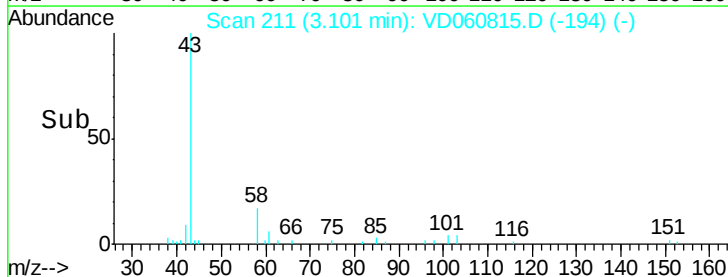
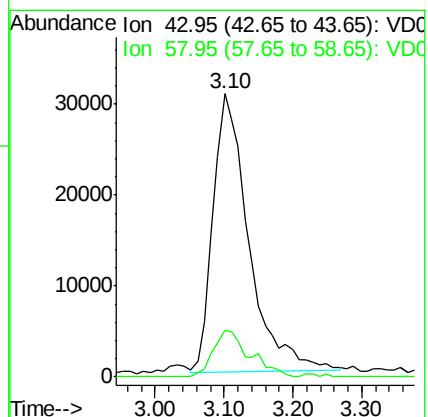
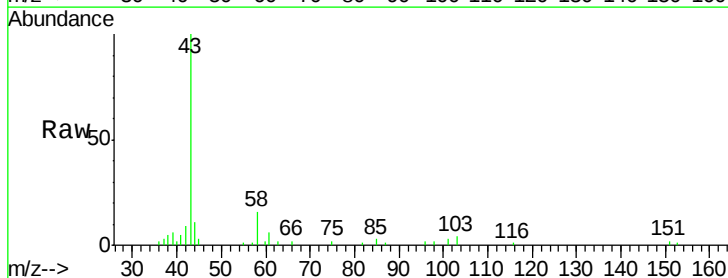
Acq: 1 Feb 2019 13:17

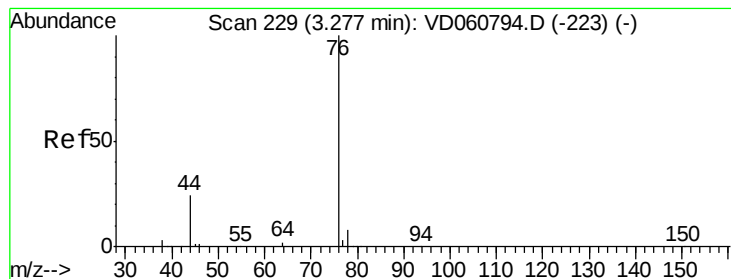
Tgt Ion: 43 Resp: 109656

Ion Ratio Lower Upper

43 100

58 16.3 14.5 21.7





#17

Carbon Disulfide

Concen: 19.402 ug/l

RT: 3.25 min Scan# 226

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

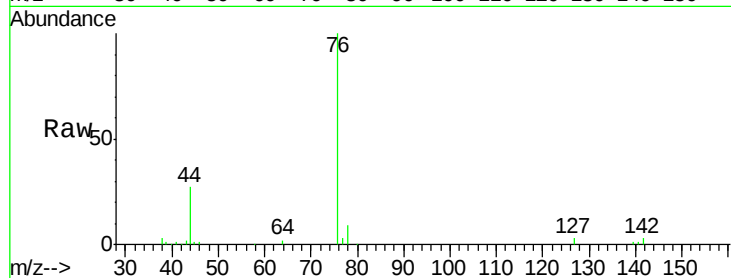
VD0201SBSD01

Tot Ion: 76 Resp: 181703

Ion Ratio Lower Upper

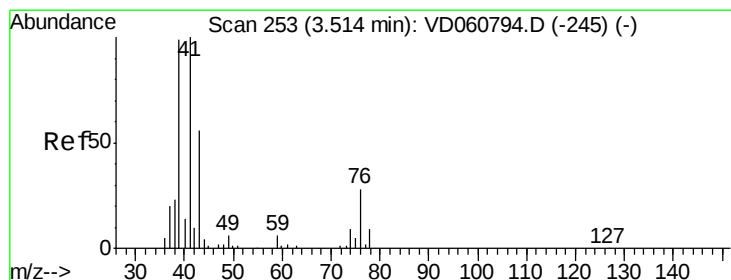
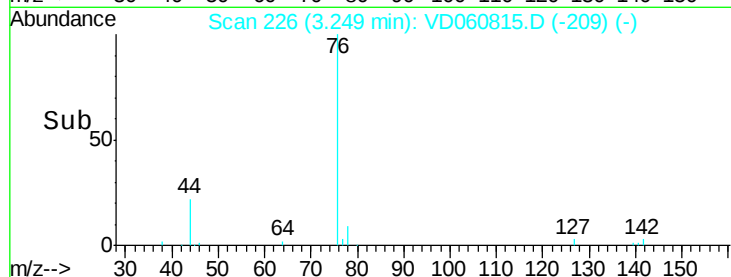
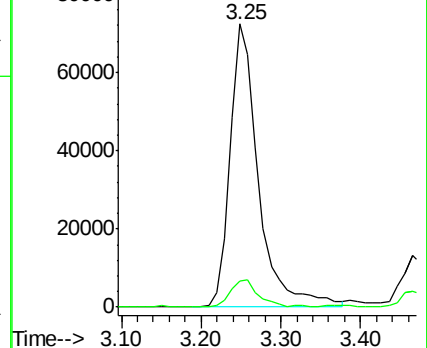
76 100

78 9.3 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: 17.319 ug/l

RT: 3.48 min Scan# 250

Delta R.T. -0.03 min

Lab File: VD060815.D

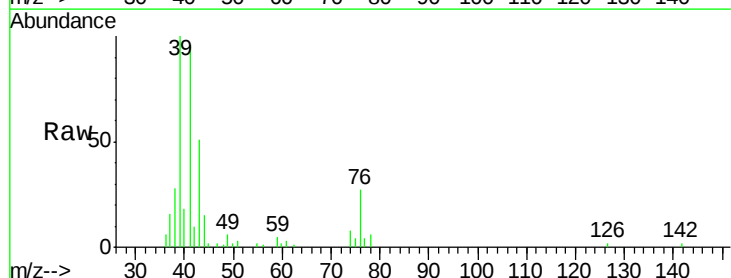
Acq: 1 Feb 2019 13:17

Tgt Ion: 43 Resp: 38158

Ion Ratio Lower Upper

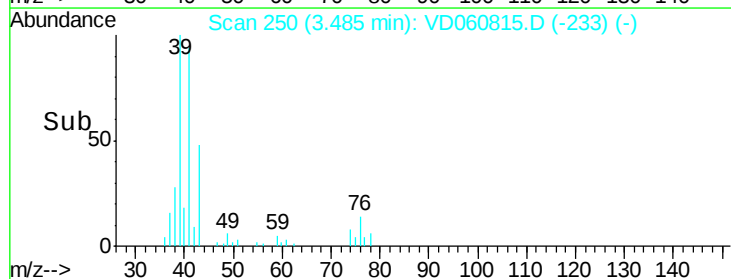
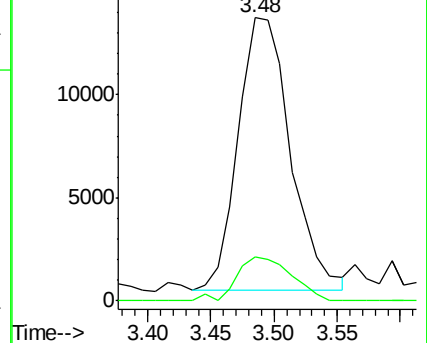
43 100

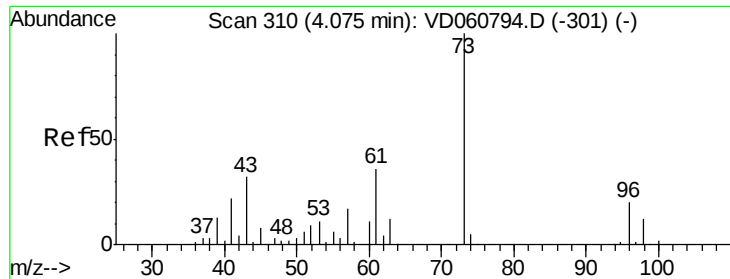
74 15.5 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



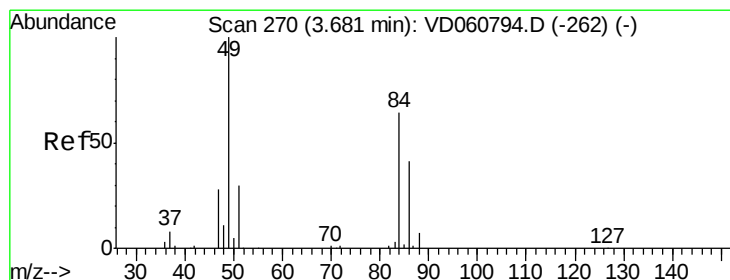
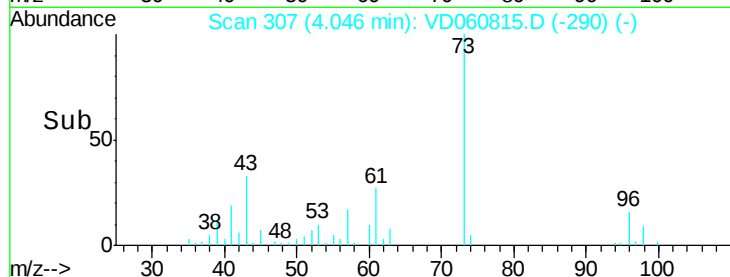
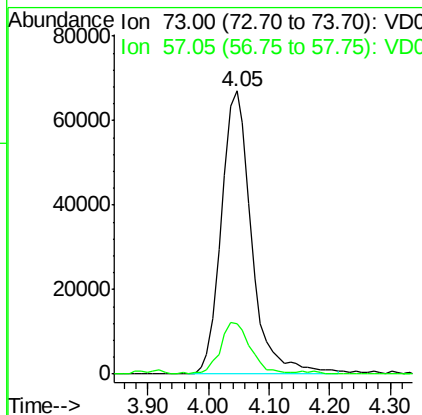
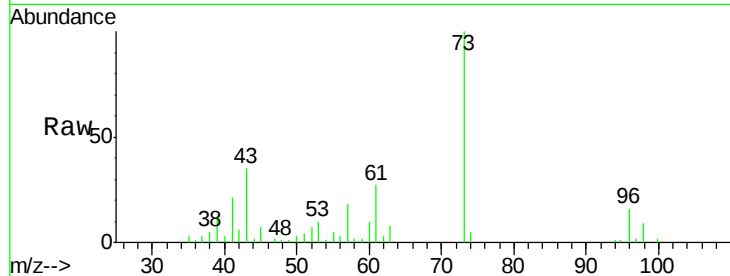


#19

Methyl tert-butyl Ether
 Concen: 19.333 ug/l
 RT: 4.05 min Scan# 307
 Delta R.T. -0.03 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

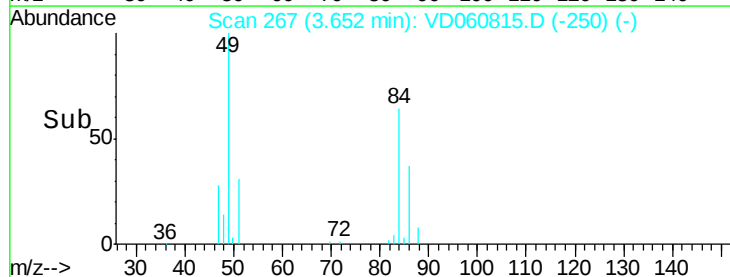
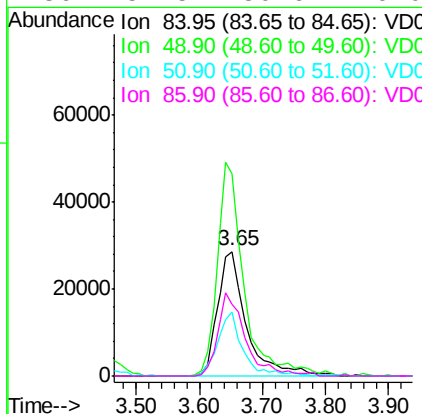
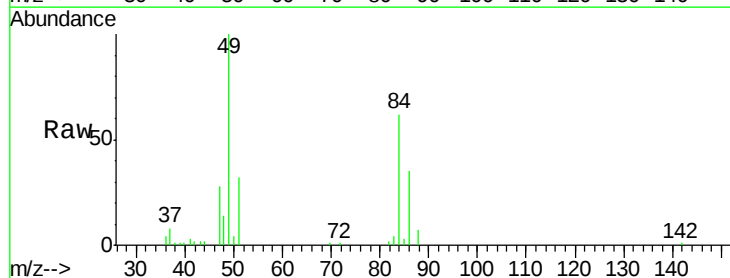
Tot Ion: 73 Resp: 233359
 Ion Ratio Lower Upper
 73 100
 57 17.8 14.0 21.0

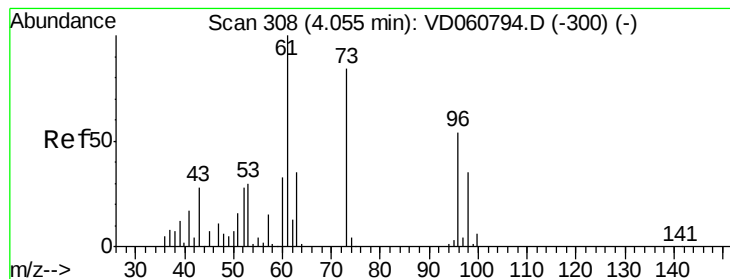


#20

Methylene Chloride
 Concen: 15.492 ug/l
 RT: 3.65 min Scan# 267
 Delta R.T. -0.03 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Tgt Ion: 84 Resp: 91450
 Ion Ratio Lower Upper
 84 100
 49 162.5 124.2 186.2
 51 51.7 38.1 57.1
 86 57.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.541 ug/l

RT: 4.02 min Scan# 304

Delta R.T. -0.04 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBSD01

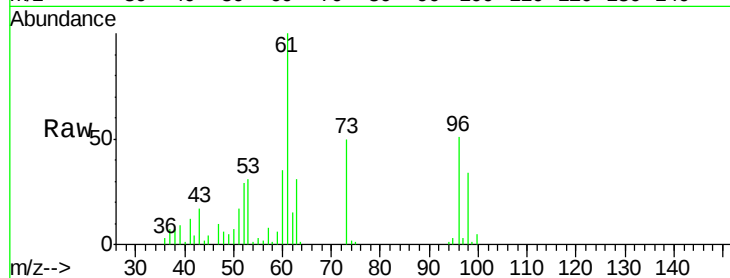
Tot Ion: 96 Resp: 91077

Ion Ratio Lower Upper

96 100

61 196.7 147.4 221.2

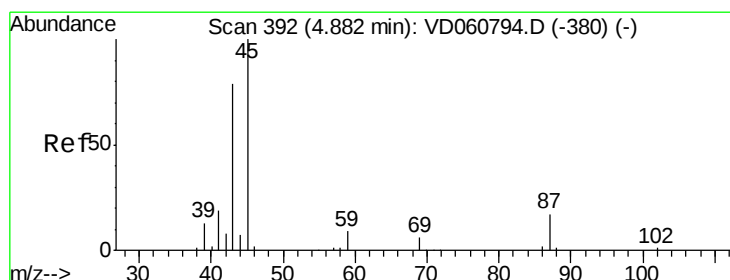
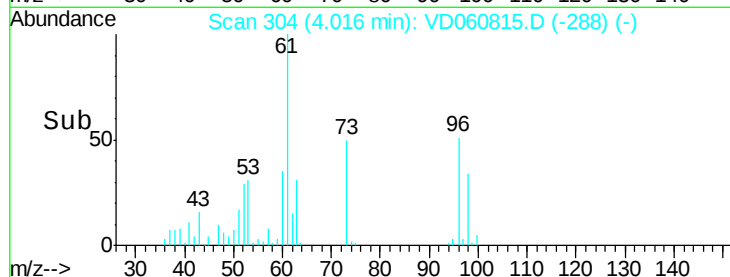
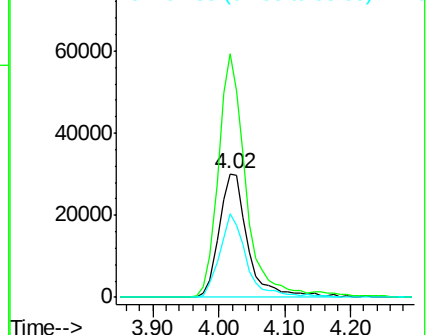
98 67.6 51.5 77.3



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: 17.432 ug/l

RT: 4.84 min Scan# 388

Delta R.T. -0.04 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Tgt Ion: 45 Resp: 276380

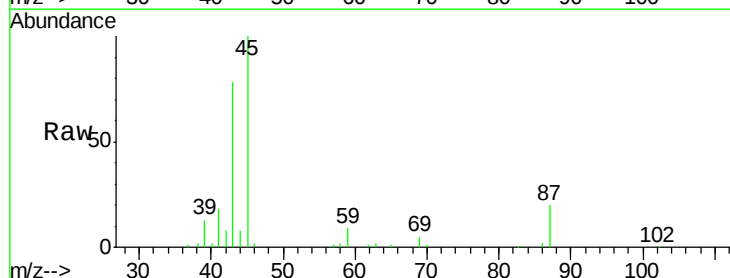
Ion Ratio Lower Upper

45 100

43 78.5 64.3 96.5

87 19.6 14.3 21.5

59 9.1 7.8 11.8

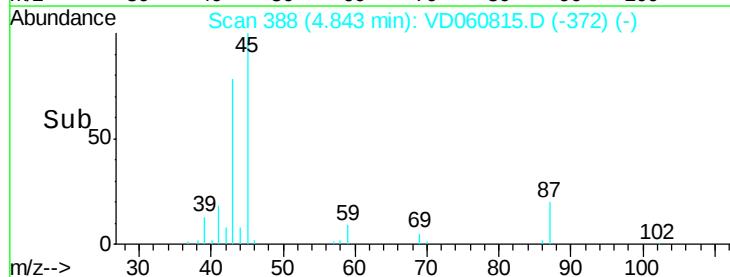
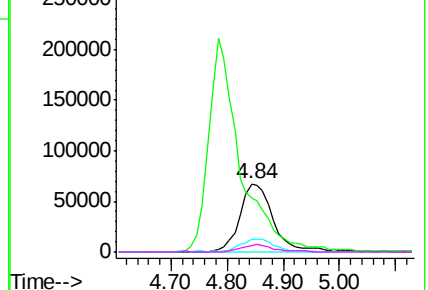


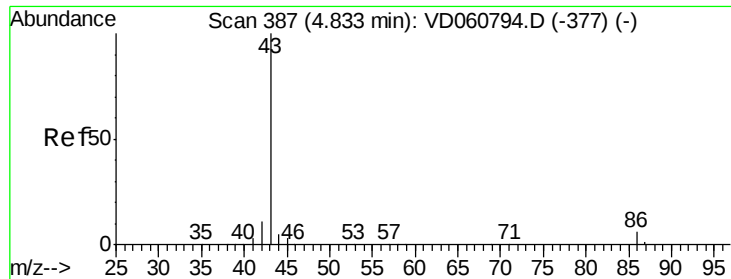
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

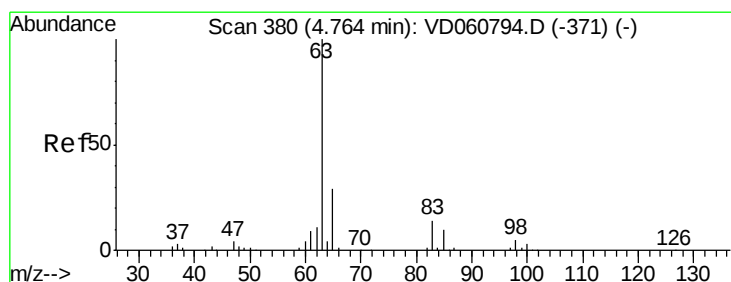
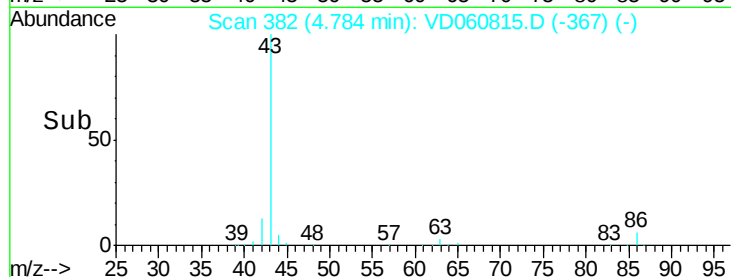
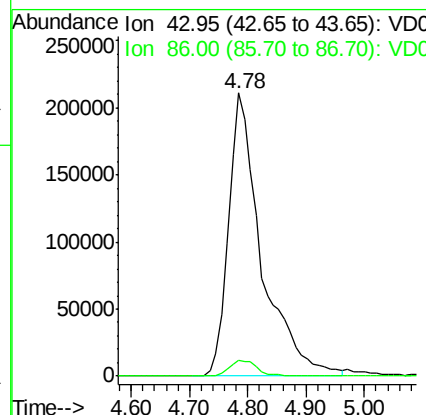
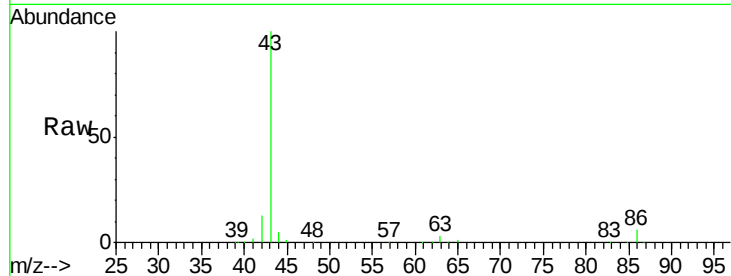




#23
 Vinyl Acetate
 Concen: 91.113 ug/l
 RT: 4.78 min Scan# 382
 Delta R.T. -0.05 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

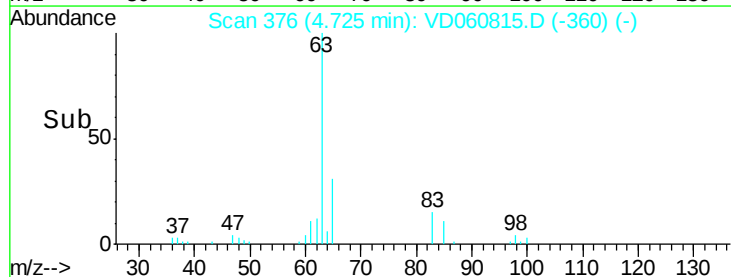
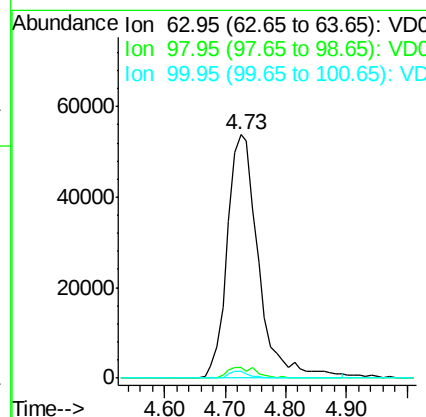
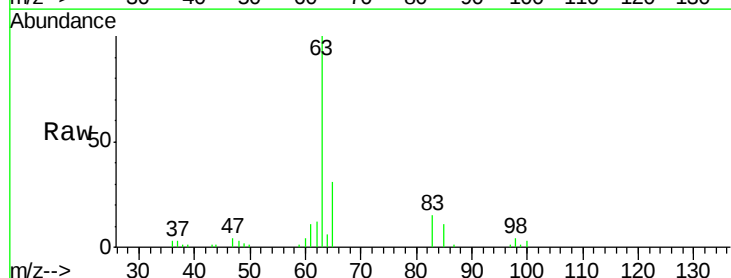
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBSD01

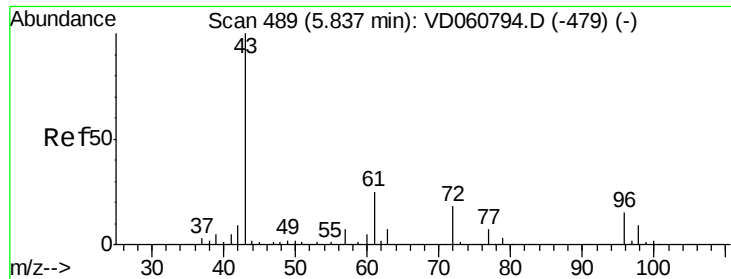
Tot Ion: 43 Resp: 831895
 Ion Ratio Lower Upper
 43 100
 86 5.8 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 18.525 ug/l
 RT: 4.73 min Scan# 376
 Delta R.T. -0.04 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Tgt Ion: 63 Resp: 192275
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.3 6.9
 100 2.7 1.3 3.8





#25

2-Butanone

Concen: 84.285 ug/l

RT: 5.80 min Scan# 485

Delta R.T. -0.04 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

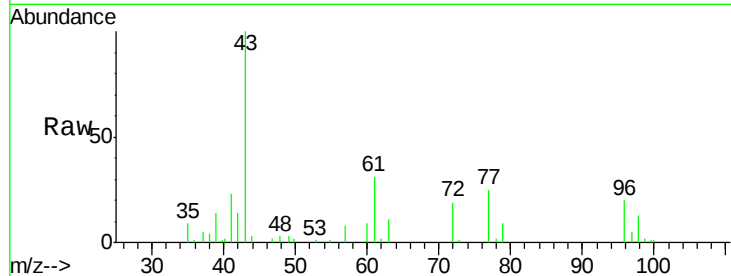
VD0201SBS01

Tot Ion: 43 Resp: 119898

Ion Ratio Lower Upper

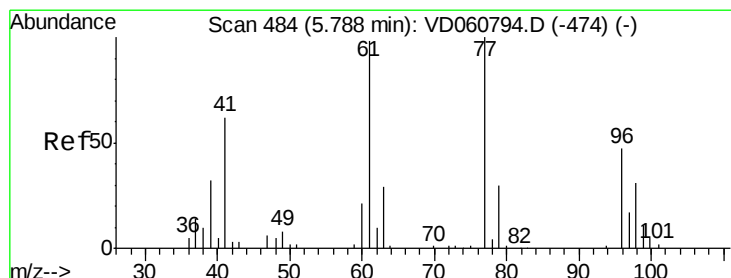
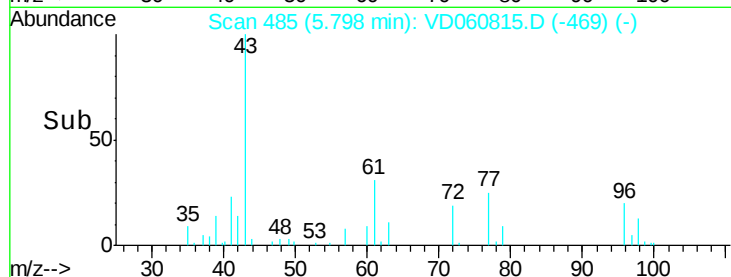
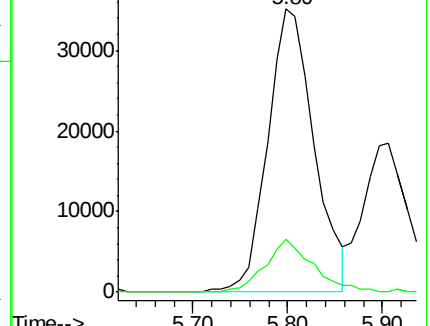
43 100

72 18.8 14.4 21.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.715 ug/l

RT: 5.75 min Scan# 480

Delta R.T. -0.04 min

Lab File: VD060815.D

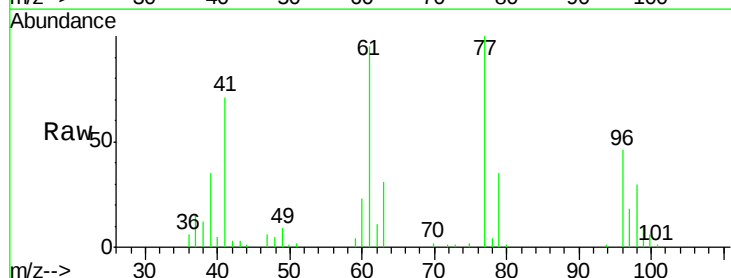
Acq: 1 Feb 2019 13:17

Tgt Ion: 77 Resp: 204671

Ion Ratio Lower Upper

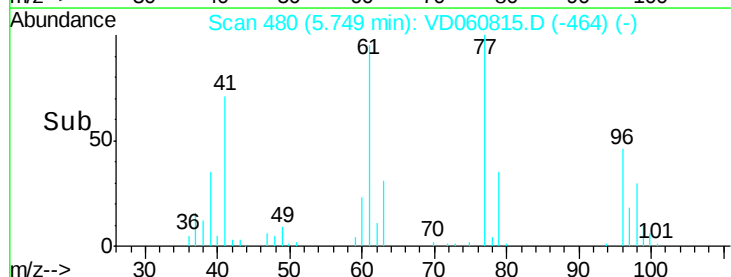
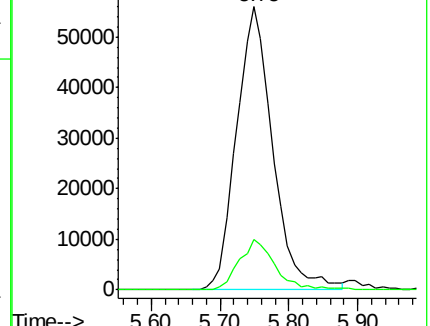
77 100

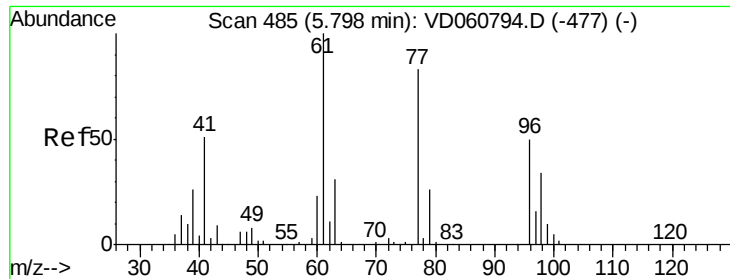
97 17.6 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



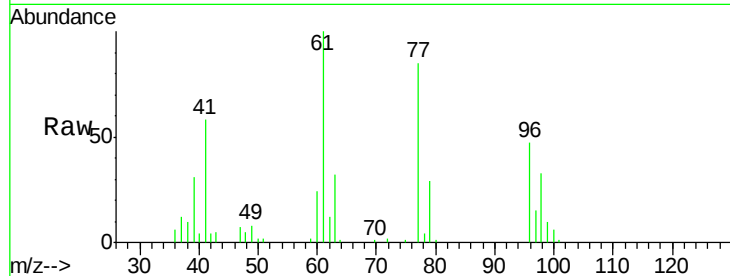


#27

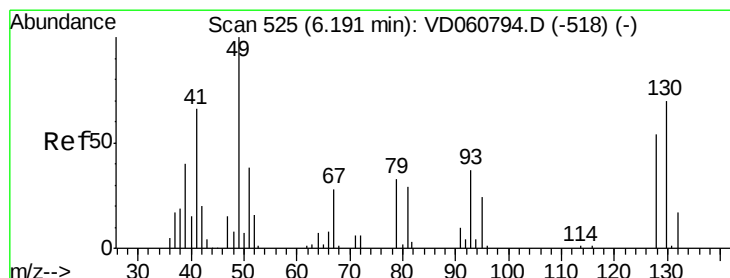
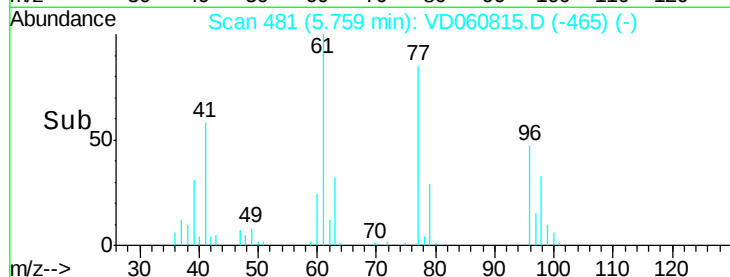
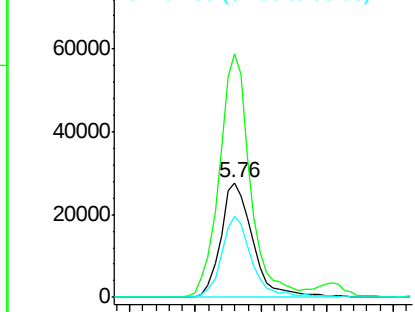
cis-1,2-Dichloroethene
Concen: 17.785 ug/l
RT: 5.76 min Scan# 481
Delta R.T. -0.04 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBSD01

Tot Ion: 96 Resp: 94409
Ion Ratio Lower Upper
96 100
61 212.5 0.0 400.0
98 70.3 0.0 136.4



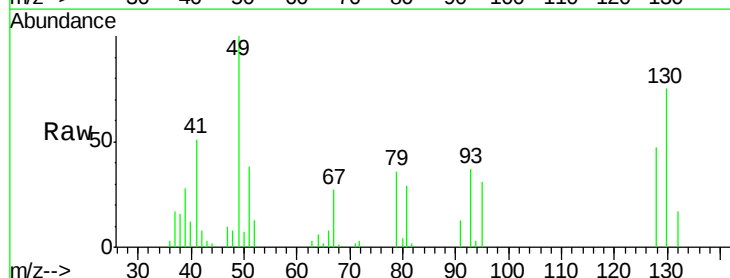
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



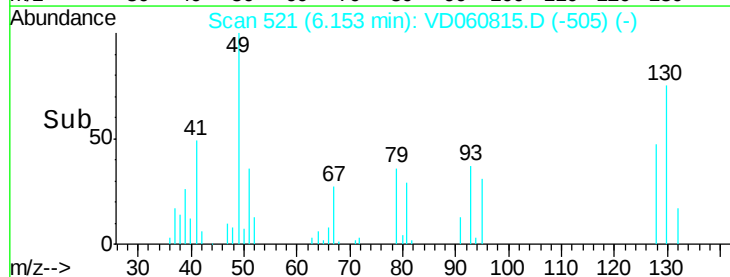
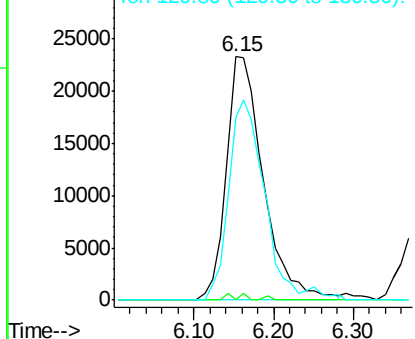
#28

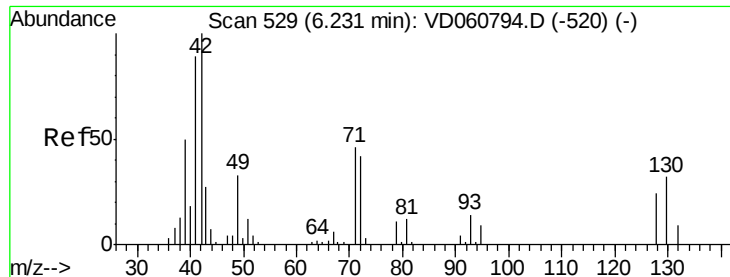
Bromochloromethane
Concen: 18.695 ug/l
RT: 6.15 min Scan# 521
Delta R.T. -0.04 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Tgt Ion: 49 Resp: 75695
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 74.6 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: 83.988 ug/l

RT: 6.19 min Scan# 525

Delta R.T. -0.04 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

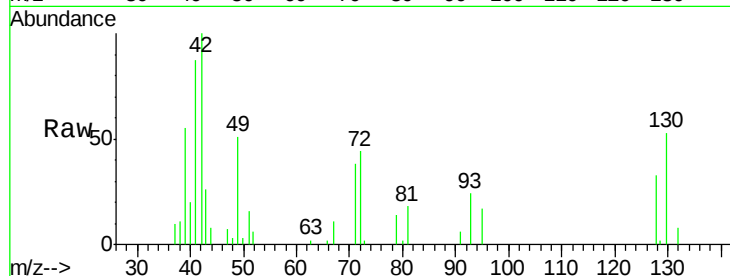
Tot Ion: 42 Resp: 57374

Ion Ratio Lower Upper

42 100

72 41.0 32.8 49.2

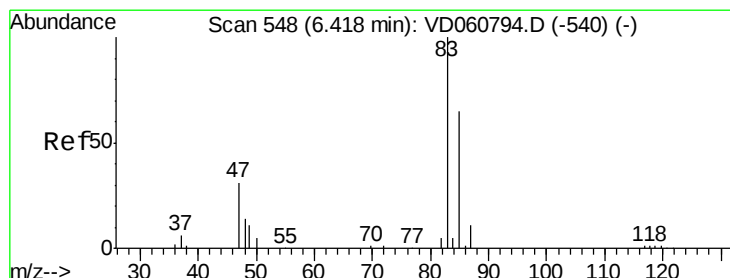
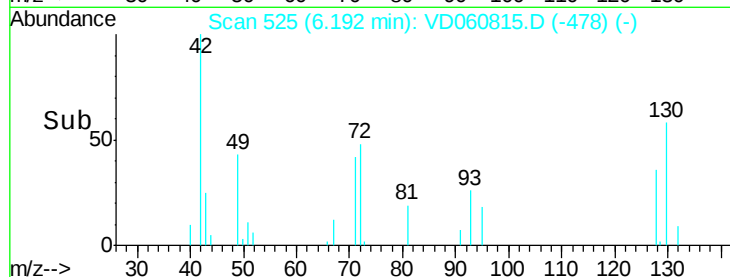
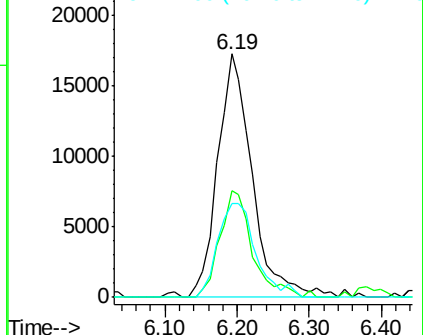
71 42.5 34.6 52.0



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: 17.915 ug/l

RT: 6.39 min Scan# 545

Delta R.T. -0.03 min

Lab File: VD060815.D

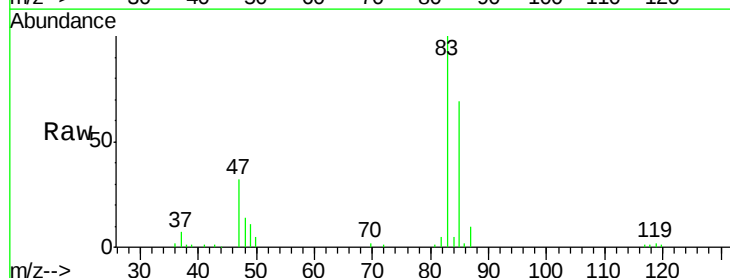
Acq: 1 Feb 2019 13:17

Tgt Ion: 83 Resp: 219779

Ion Ratio Lower Upper

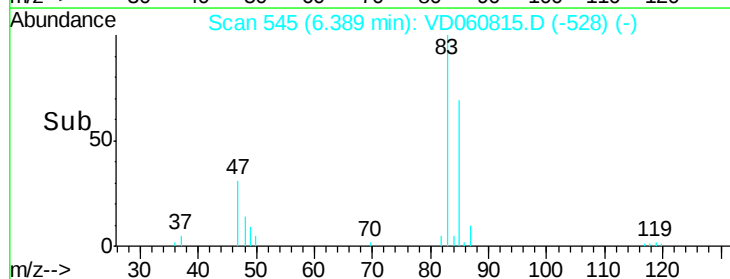
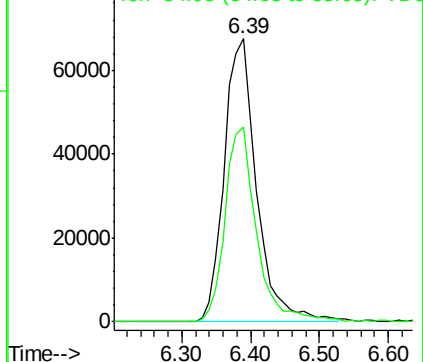
83 100

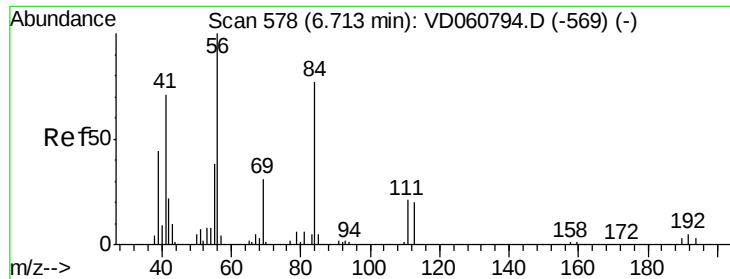
85 68.8 52.3 78.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

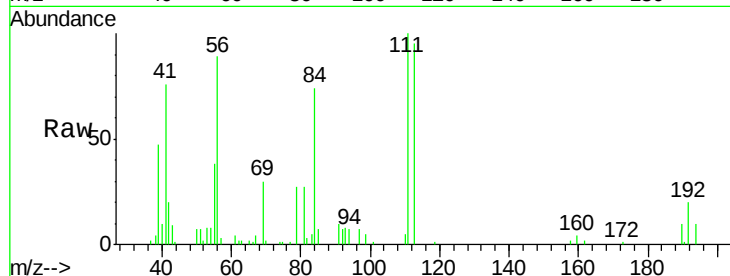




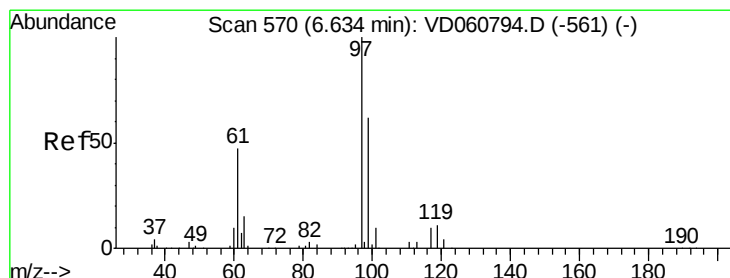
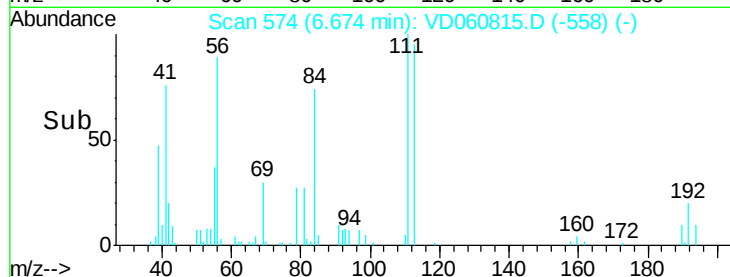
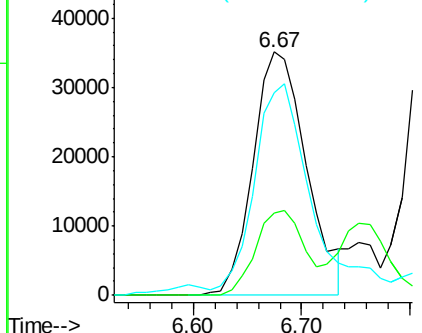
#31
Cyclohexane
Concen: 17.081 ug/l
RT: 6.67 min Scan# 574
Delta R.T. -0.04 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBSD01

Tot Ion: 56 Resp: 120628
Ion Ratio Lower Upper
56 100
69 33.7 25.1 37.7
84 83.1 63.9 95.9

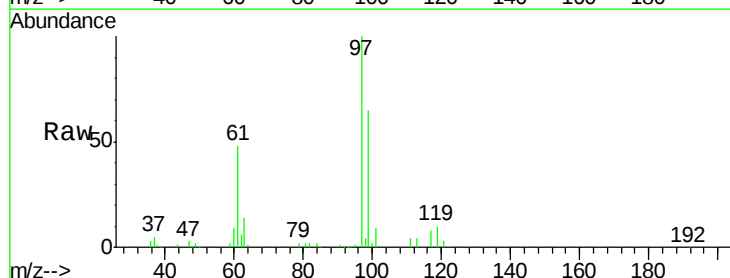


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

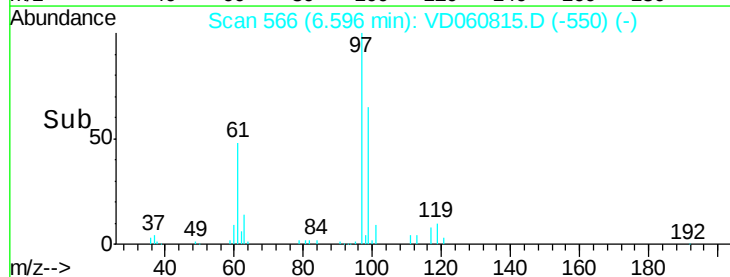
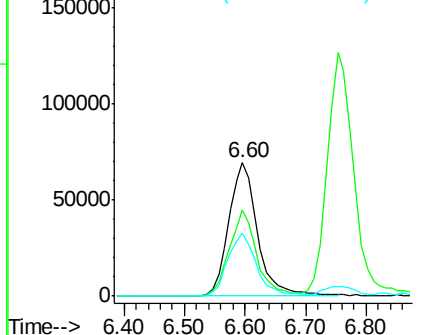


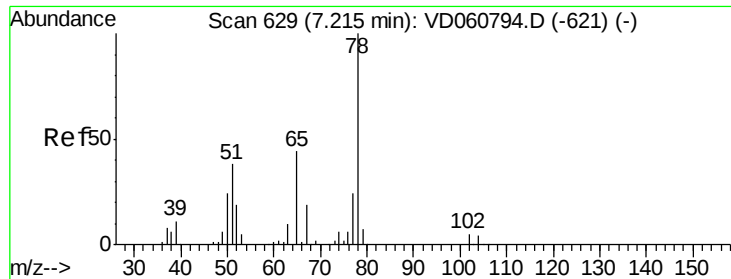
#32
1,1,1-Trichloroethane
Concen: 19.304 ug/l
RT: 6.60 min Scan# 566
Delta R.T. -0.04 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Tgt Ion: 97 Resp: 228051
Ion Ratio Lower Upper
97 100
99 64.9 49.6 74.4
61 47.6 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: 19.304 ug/l

RT: 7.18 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

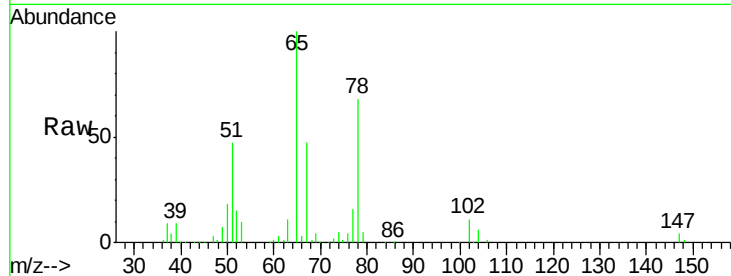
VD0201SBS01

Tot Ion: 65 Resp: 390659

Ion Ratio Lower Upper

65 100

67 46.7 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.18

150000

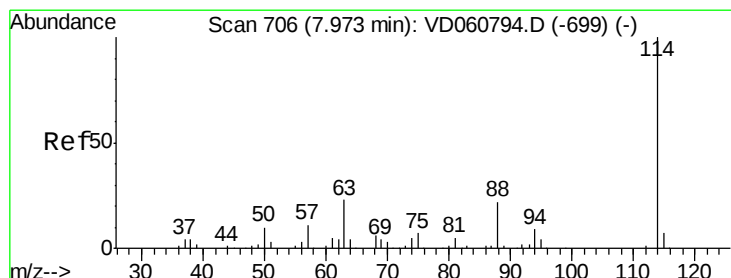
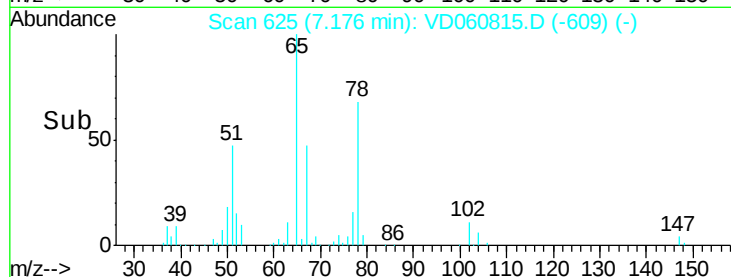
100000

50000

0

7.10 7.20 7.30

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 703

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

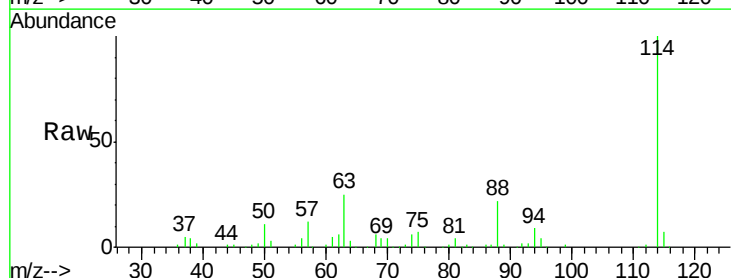
Tgt Ion: 114 Resp: 675438

Ion Ratio Lower Upper

114 100

63 25.3 0.0 46.6

88 22.1 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

7.94

300000

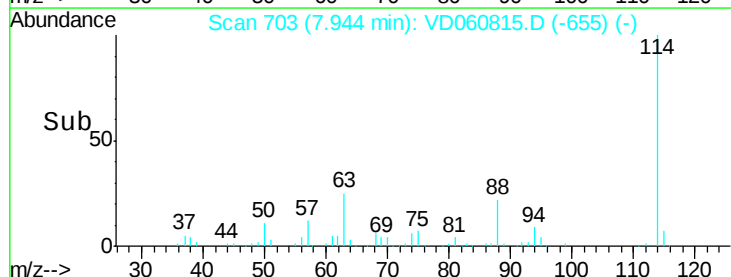
200000

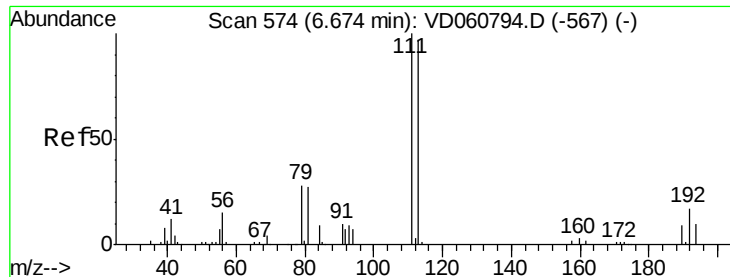
100000

0

7.80 8.00 8.20

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.64 min Scan# 571

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBSD01

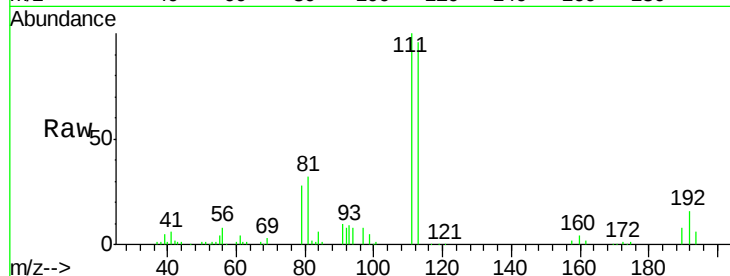
Tot Ion:113 Resp: 325129

Ion Ratio Lower Upper

113 100

111 104.7 82.3 123.5

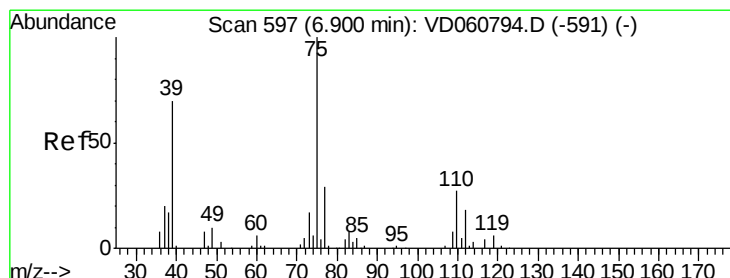
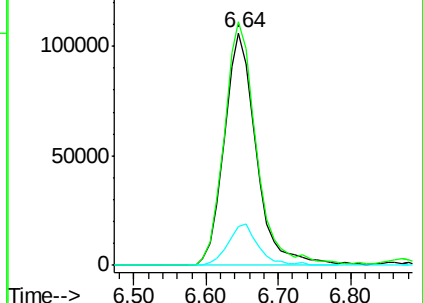
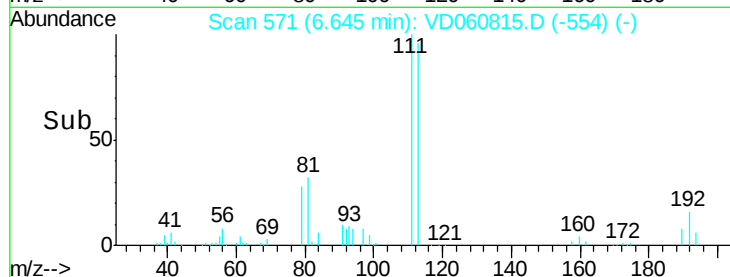
192 16.8 14.4 21.6



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: 18.934 ug/l

RT: 6.87 min Scan# 594

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

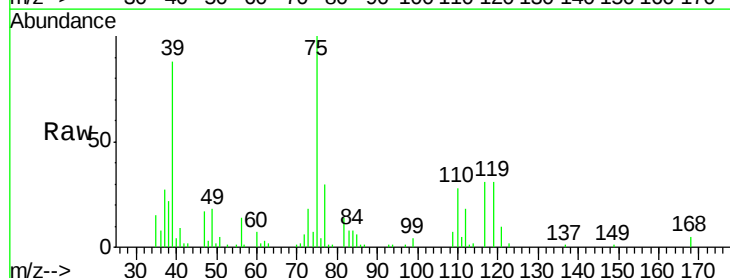
Tgt Ion: 75 Resp: 152699

Ion Ratio Lower Upper

75 100

110 28.2 13.5 40.4

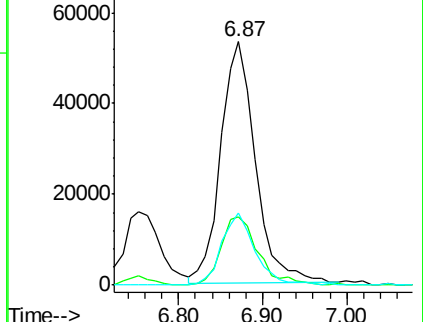
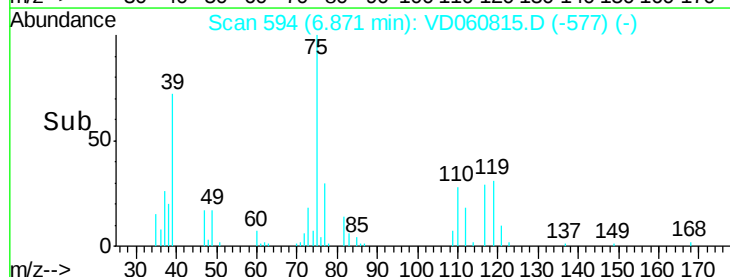
77 29.7 23.4 35.2

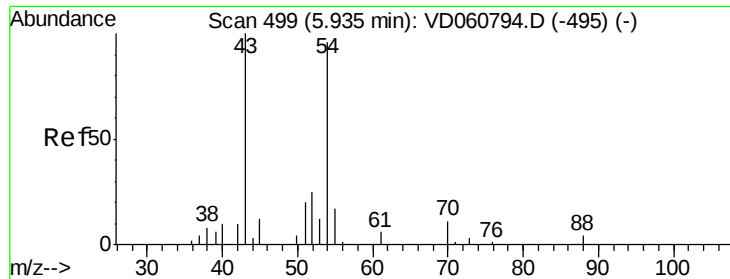


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

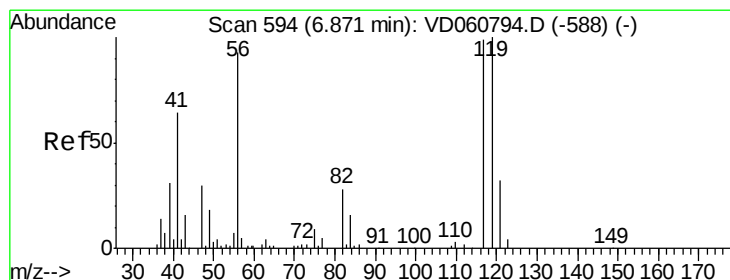
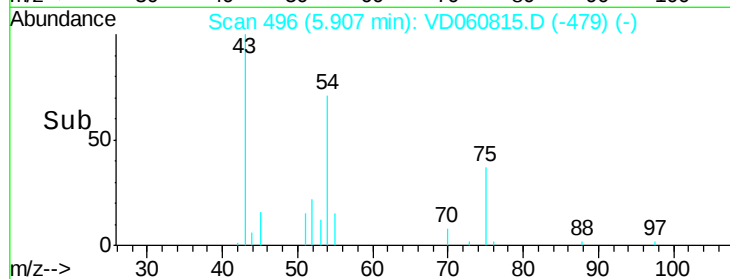
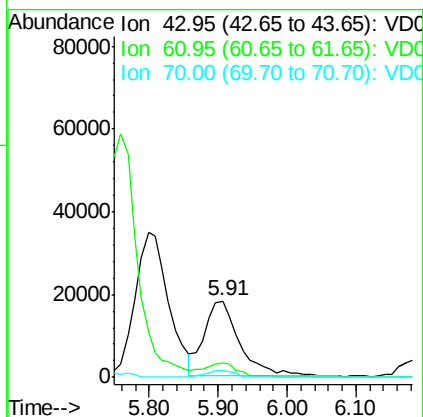
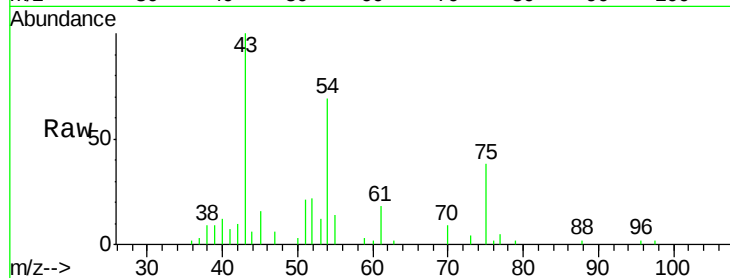




#37
Ethyl Acetate
Concen: 17.811 ug/l
RT: 5.91 min Scan# 496
Delta R.T. -0.03 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

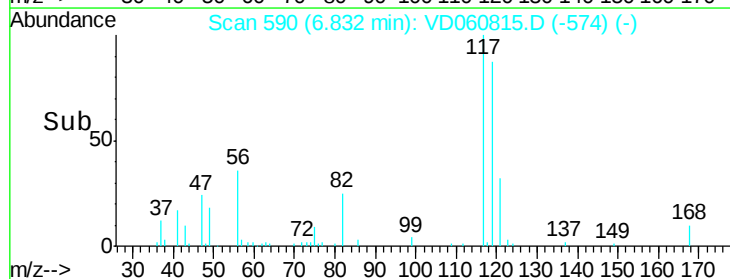
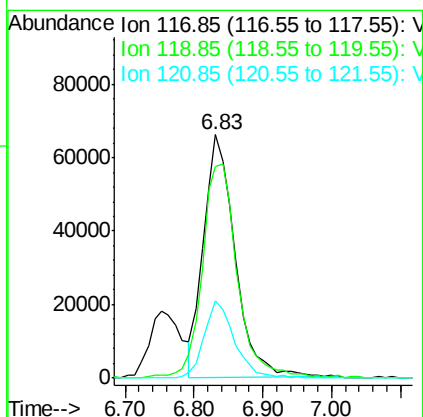
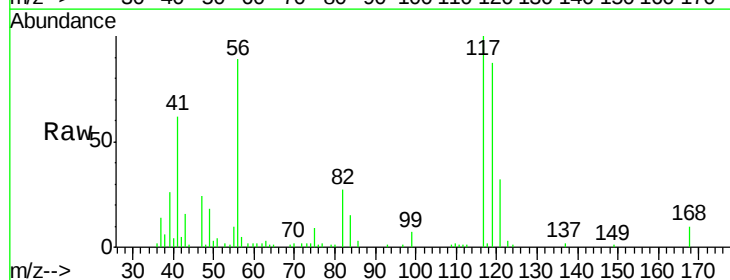
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBSD01

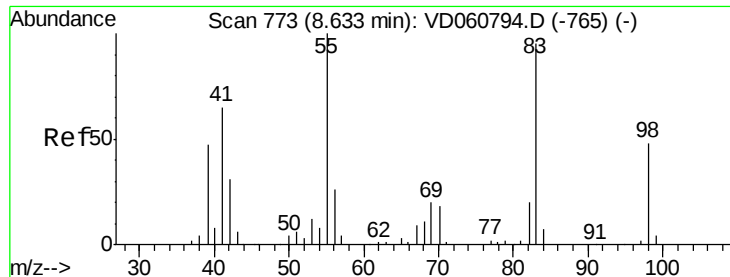
Tot Ion: 43 Resp: 64121
Ion Ratio Lower Upper
43 100
61 18.4 12.3 18.5
70 9.5 7.4 11.0



#38
Carbon Tetrachloride
Concen: 20.757 ug/l
RT: 6.83 min Scan# 590
Delta R.T. -0.04 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Tgt Ion: 117 Resp: 209915
Ion Ratio Lower Upper
117 100
119 86.8 75.6 113.4
121 31.7 23.4 35.2

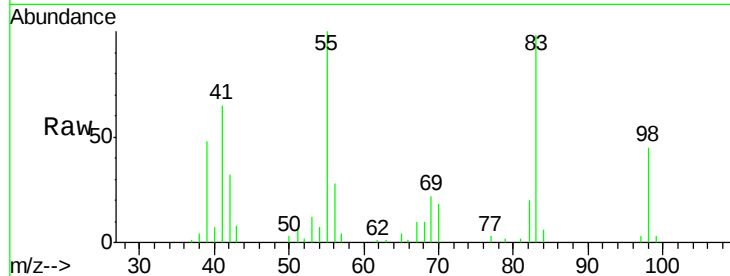




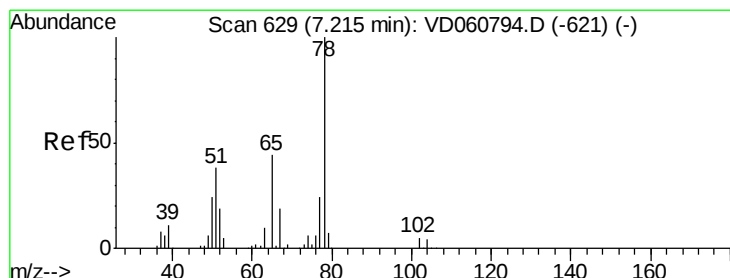
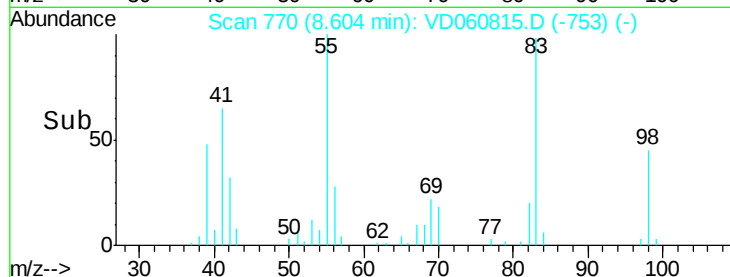
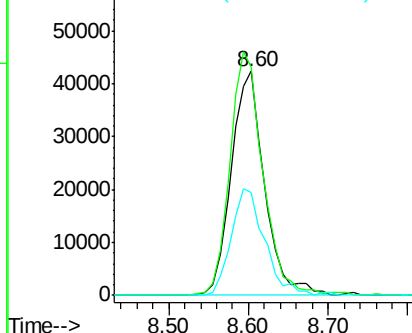
#39
Methvlcvclohexane
Concen: 18.210 ug/l
RT: 8.60 min Scan# 770
Delta R.T. -0.03 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBSD01

Tot Ion: 83 Resp: 122986
Ion Ratio Lower Upper
83 100
55 101.9 83.8 125.8
98 46.1 39.8 59.8

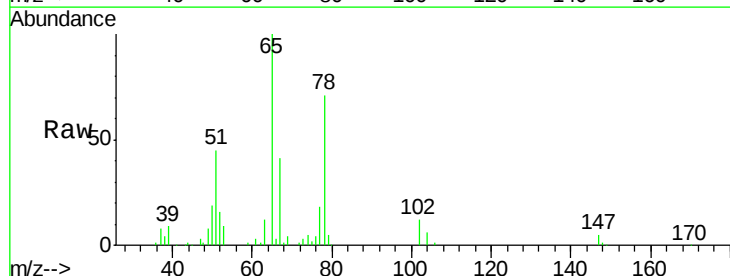


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

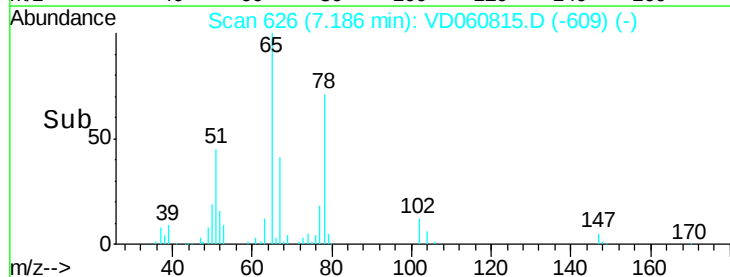
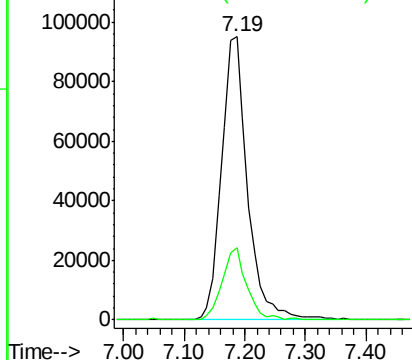


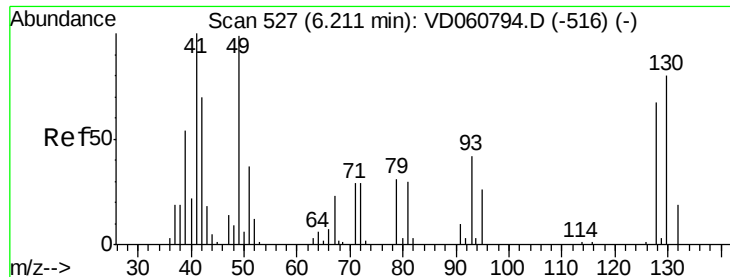
#40
Benzene
Concen: 17.850 ug/l
RT: 7.19 min Scan# 626
Delta R.T. -0.03 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Tgt Ion: 78 Resp: 284109
Ion Ratio Lower Upper
78 100
77 25.4 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: 35.004 ug/l

RT: 6.18 min Scan# 524

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBSD01

Tot Ion: 41 Resp: 80029

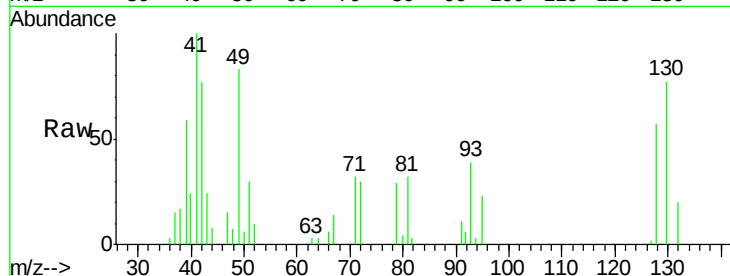
Ion Ratio Lower Upper

41 100

39 58.6 43.6 65.4

67 14.4 18.5 27.7#

52 10.0 10.2 15.2#

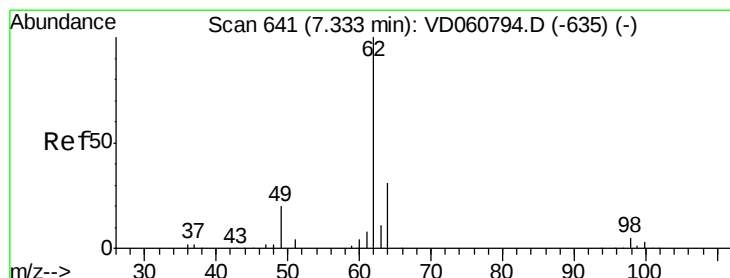
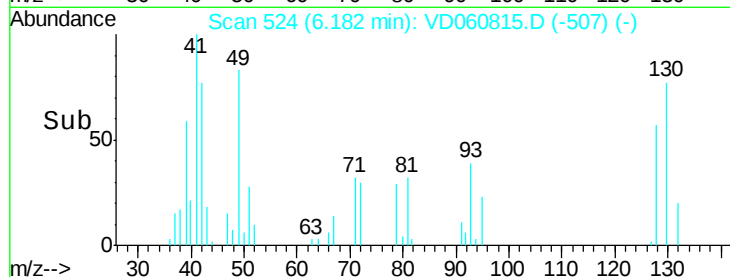
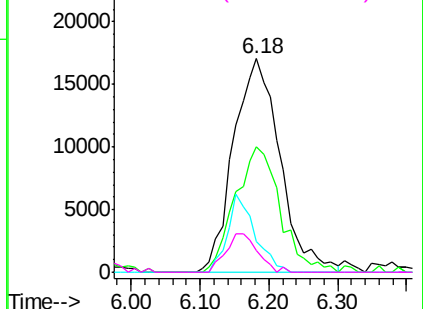


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 19.117 ug/l

RT: 7.30 min Scan# 638

Delta R.T. -0.03 min

Lab File: VD060815.D

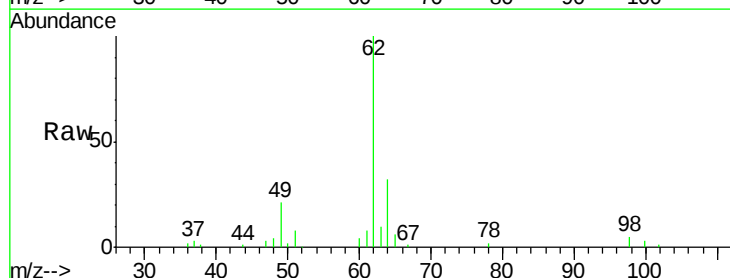
Acq: 1 Feb 2019 13:17

Tgt Ion: 62 Resp: 176768

Ion Ratio Lower Upper

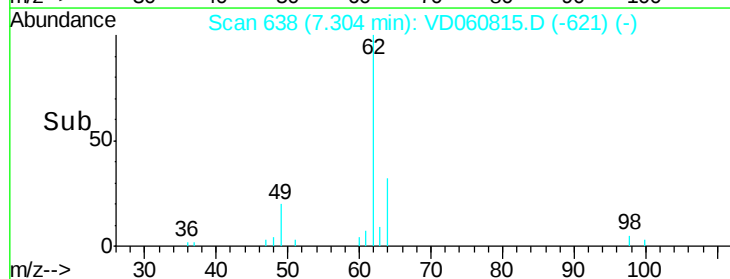
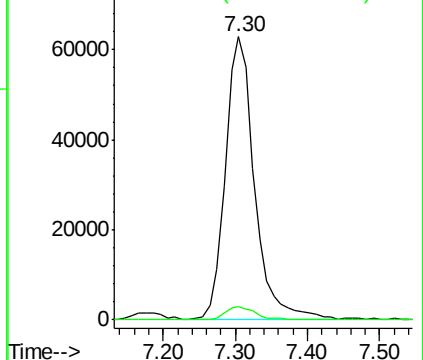
62 100

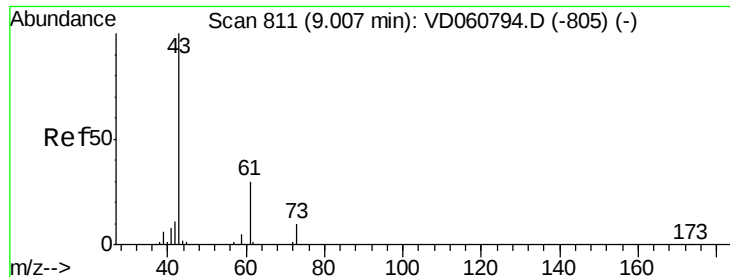
98 4.7 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.512 ug/l

RT: 8.98 min Scan# 808

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBSD01

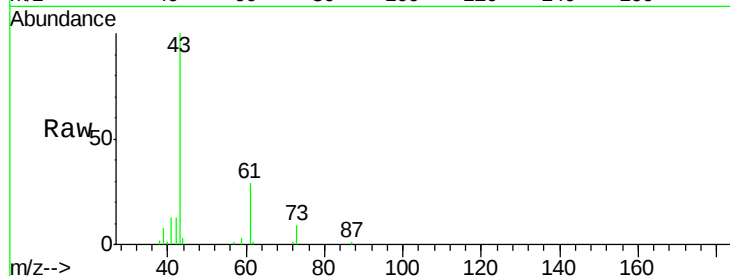
Tot Ion: 43 Resp: 86921

Ion Ratio Lower Upper

43 100

61 28.8 24.1 36.1

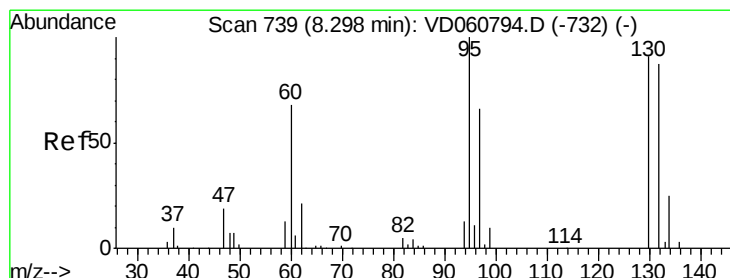
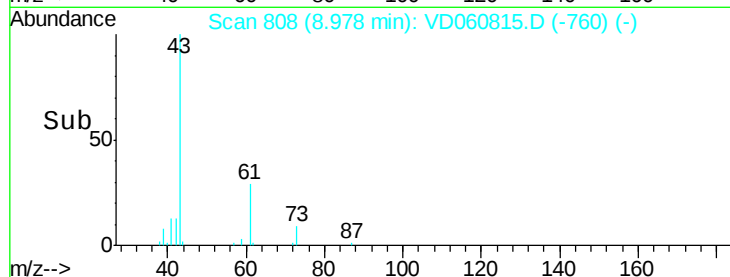
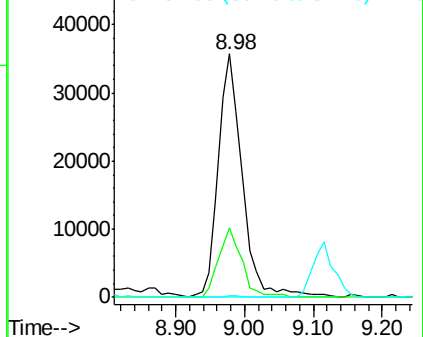
87 0.9 0.0 0.0#



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: 17.201 ug/l

RT: 8.27 min Scan# 736

Delta R.T. -0.03 min

Lab File: VD060815.D

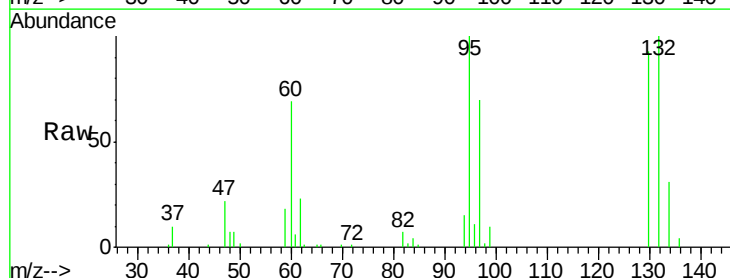
Acq: 1 Feb 2019 13:17

Tgt Ion:130 Resp: 92811

Ion Ratio Lower Upper

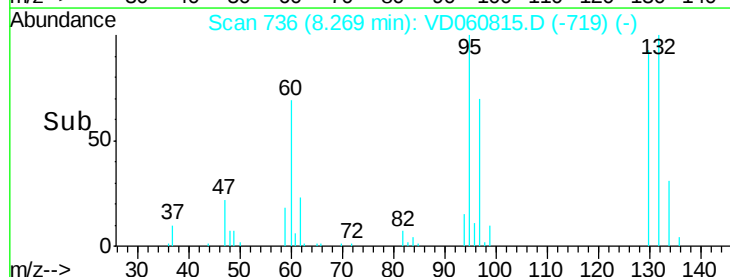
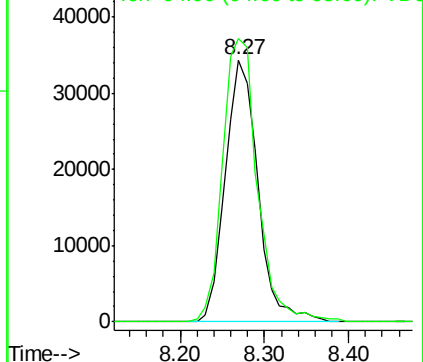
130 100

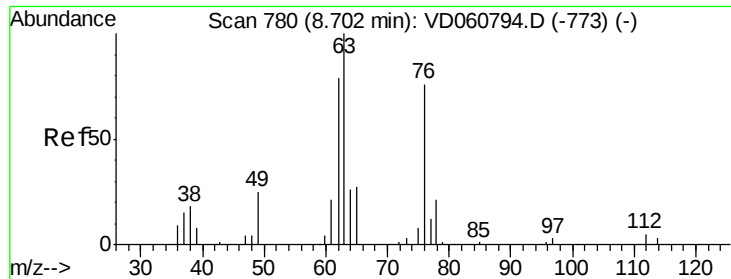
95 108.1 0.0 221.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 17.624 ug/l

RT: 8.67 min Scan# 777

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

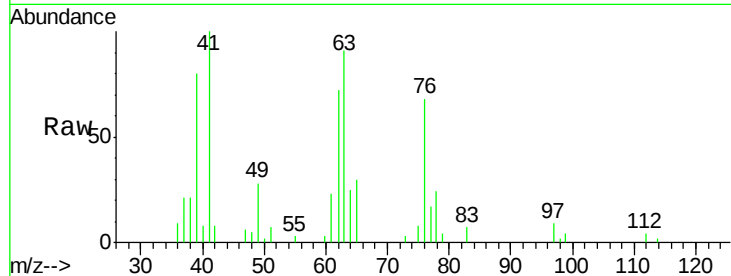
VD0201SBSD01

Tot Ion: 63 Resp: 75936

Ion Ratio Lower Upper

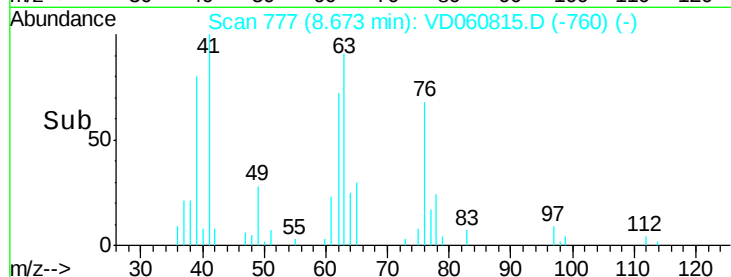
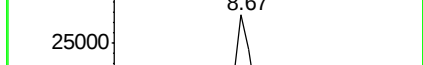
63 100

65 32.4 24.1 36.1

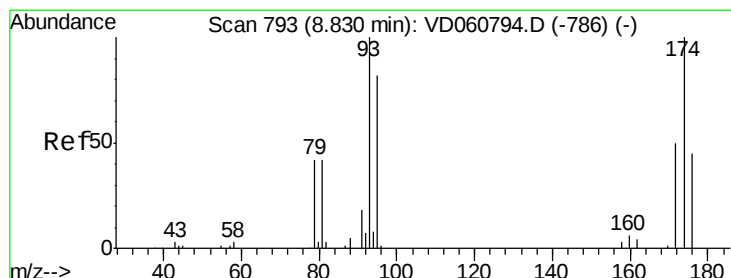


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



Time-->



#46

Dibromomethane

Concen: 18.609 ug/l

RT: 8.80 min Scan# 790

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

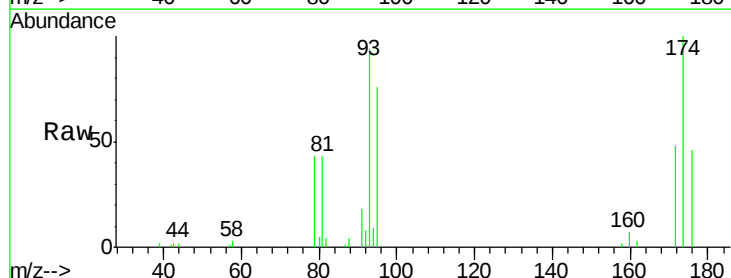
Tgt Ion: 93 Resp: 62242

Ion Ratio Lower Upper

93 100

95 80.7 65.8 98.8

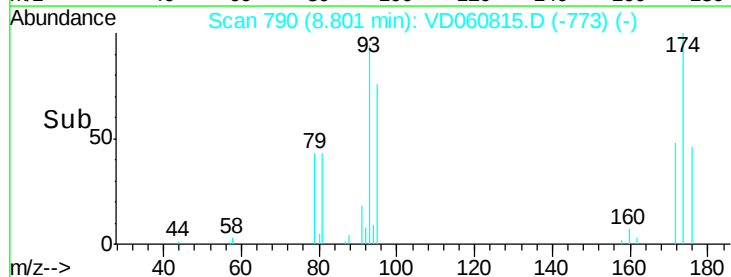
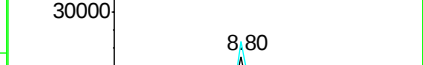
174 106.7 79.8 119.6



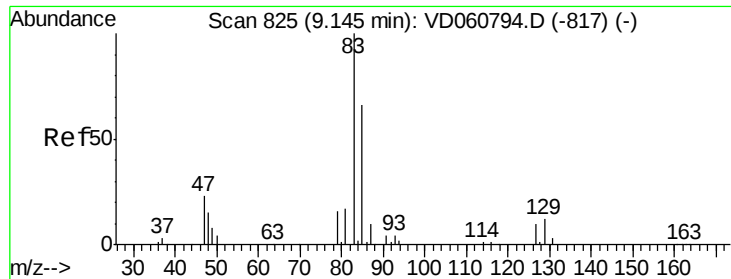
Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V



Time-->



#47

Bromodichloromethane

Concen: 19.366 ug/l

RT: 9.12 min Scan# 822

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBSD01

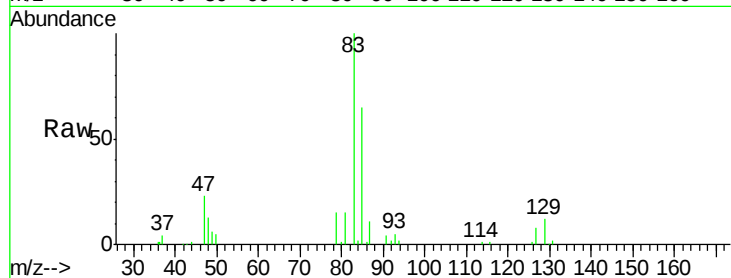
Tot Ion: 83 Resp: 174838

Ion Ratio Lower Upper

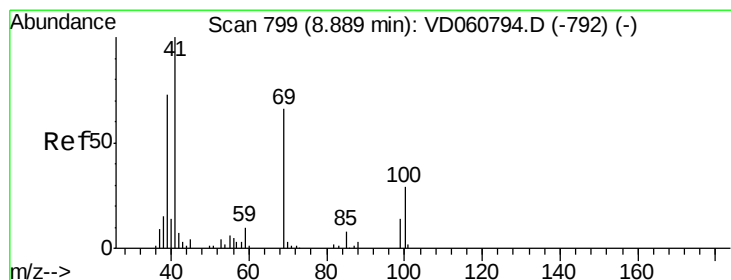
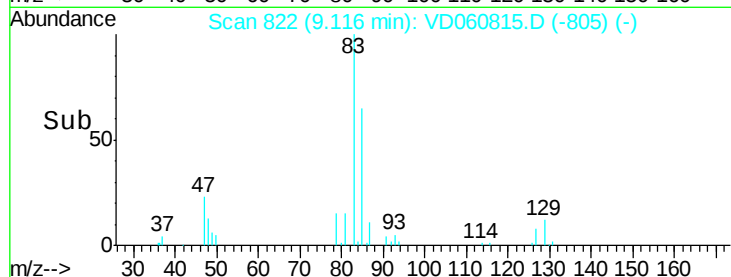
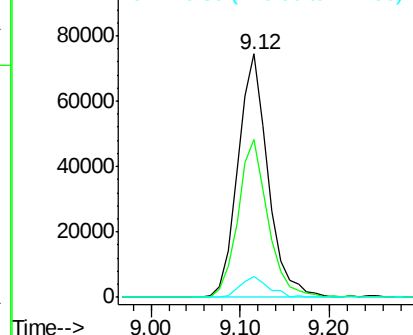
83 100

85 65.1 52.6 79.0

127 8.5 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): V



#48

Methyl methacrylate

Concen: 19.934 ug/l

RT: 8.86 min Scan# 796

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

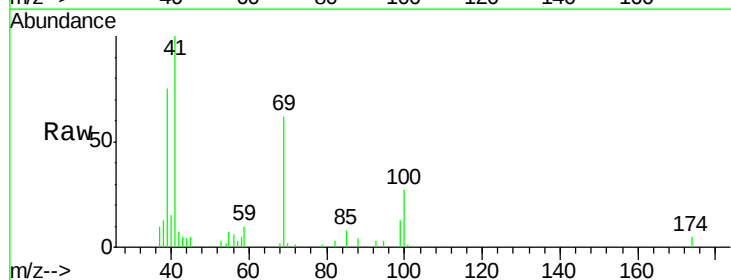
Tgt Ion: 41 Resp: 64542

Ion Ratio Lower Upper

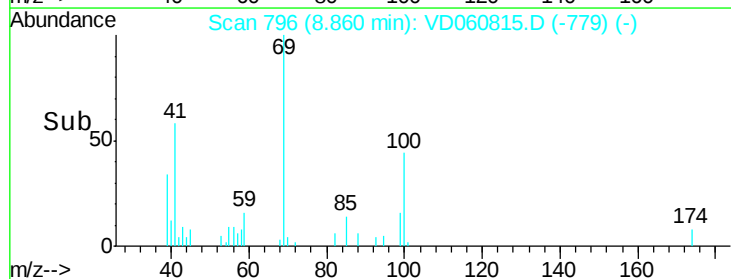
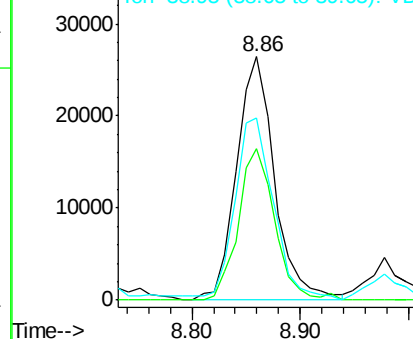
41 100

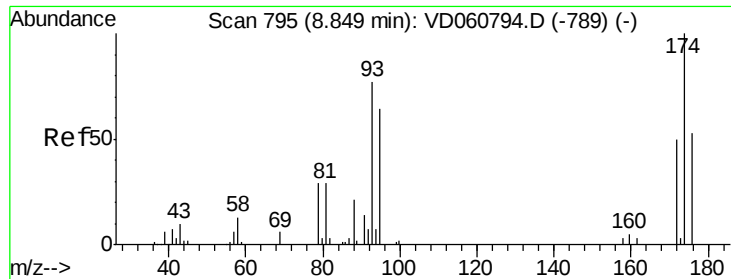
69 62.1 52.5 78.7

39 74.8 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

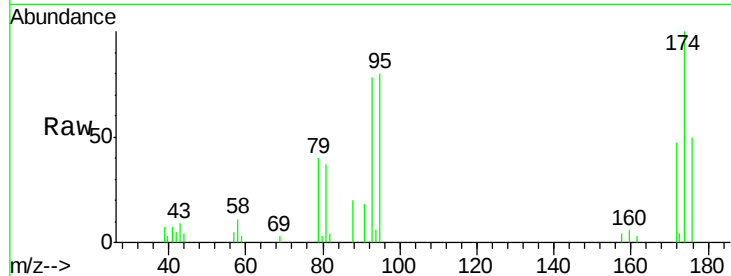




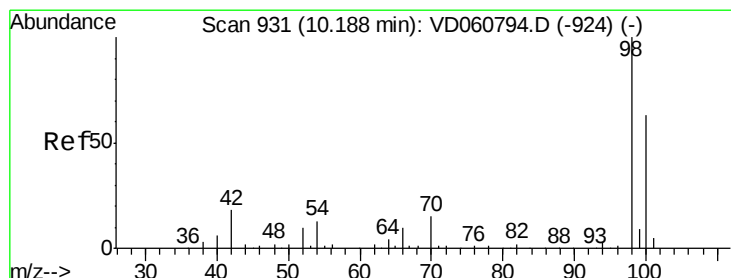
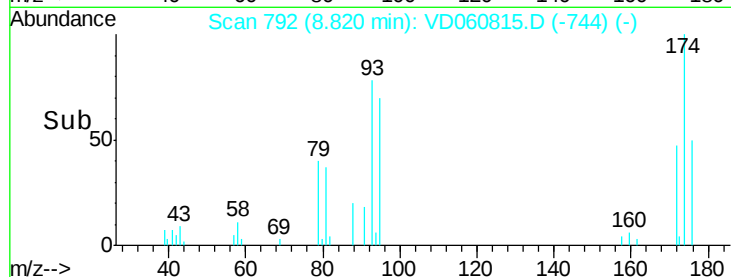
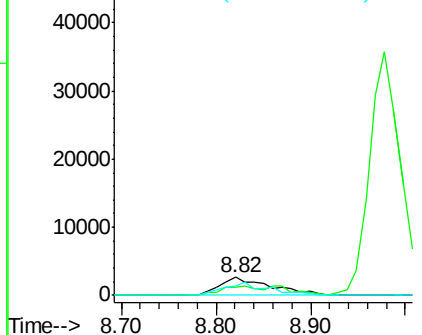
#49
 1,4-Dioxane
 Concen: 362.361 ug/l
 RT: 8.82 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBSD01

Tot Ion: 88 Resp: 9564
 Ion Ratio Lower Upper
 88 100
 43 45.7 40.9 61.3
 58 55.4 52.2 78.4

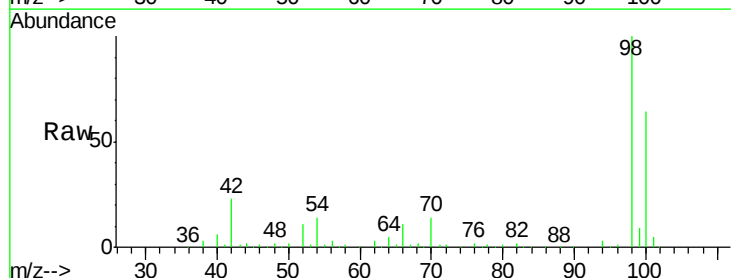


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

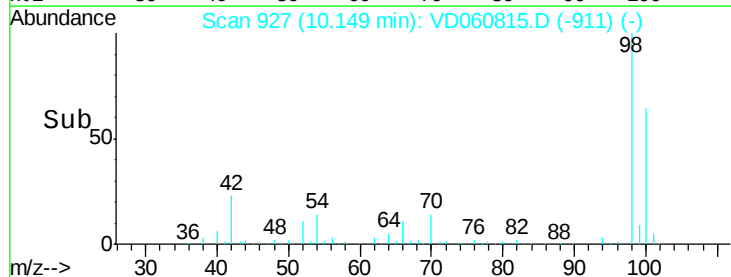
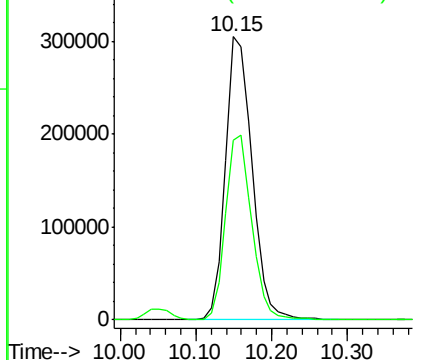


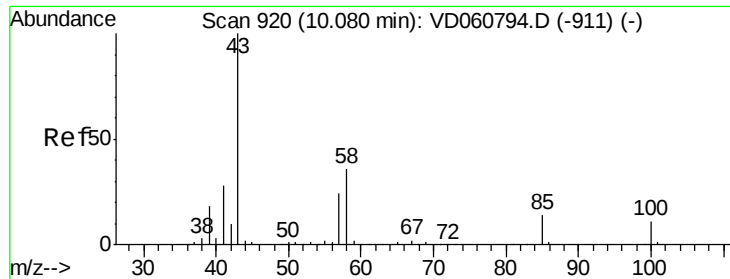
#50
 Toluene-d8
 Concen: 362.361 ug/l
 RT: 10.15 min Scan# 927
 Delta R.T. -0.04 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Tgt Ion: 98 Resp: 742423
 Ion Ratio Lower Upper
 98 100
 100 63.6 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: 91.732 ug/l

RT: 10.05 min Scan# 917

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

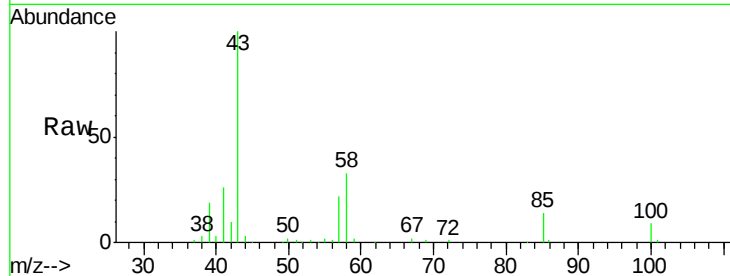
VD0201SBS01

Tot Ion: 43 Resp: 278923

Ion Ratio Lower Upper

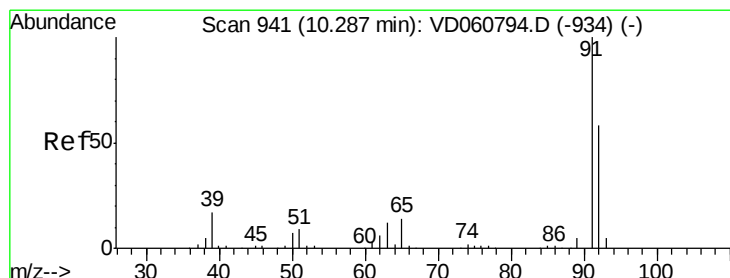
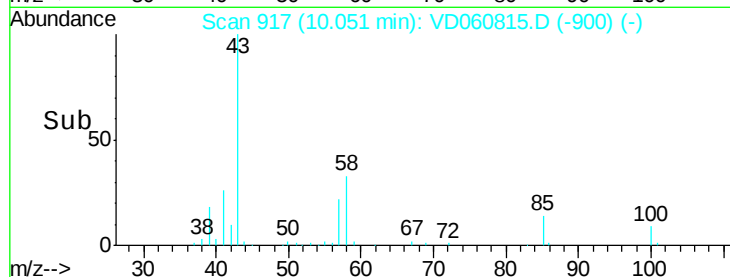
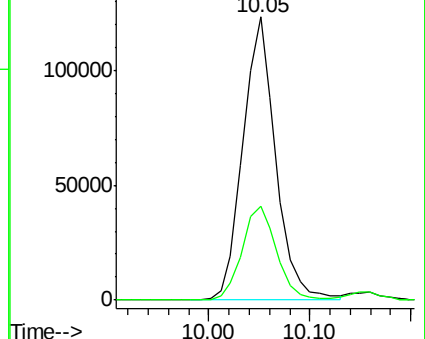
43 100

58 33.1 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: 18.413 ug/l

RT: 10.26 min Scan# 938

Delta R.T. -0.03 min

Lab File: VD060815.D

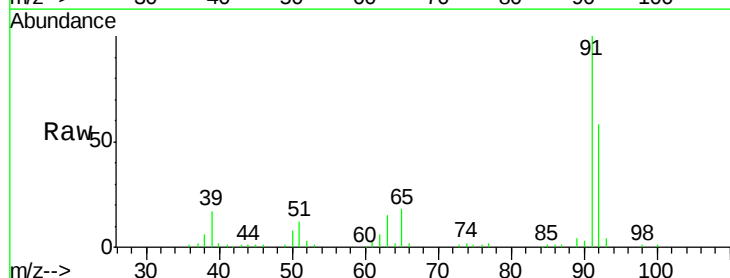
Acq: 1 Feb 2019 13:17

Tgt Ion: 92 Resp: 185900

Ion Ratio Lower Upper

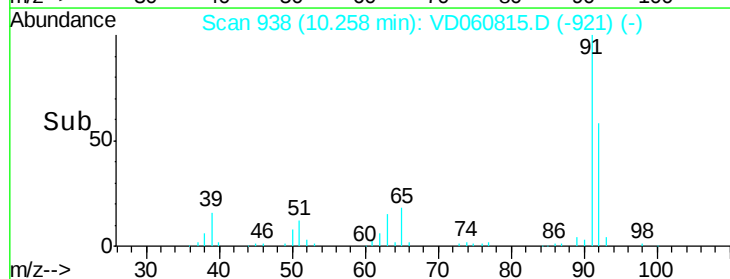
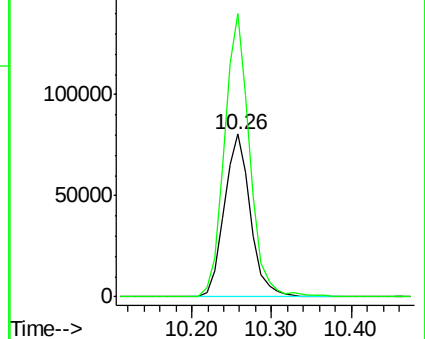
92 100

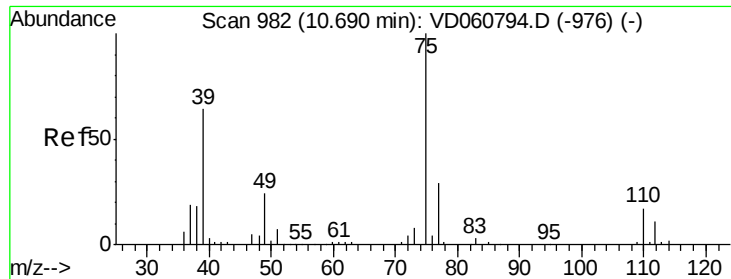
91 173.9 137.7 206.5



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: 19.547 ug/l

RT: 10.66 min Scan# 979

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

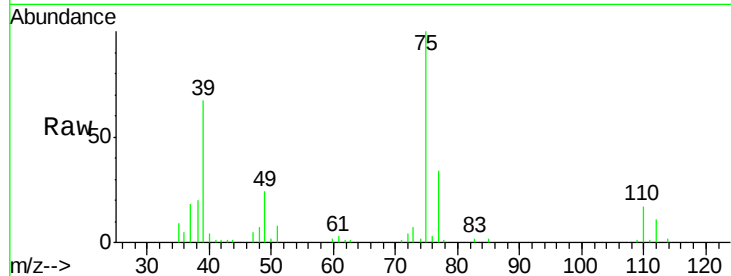
VD0201SBSD01

Tot Ion: 75 Resp: 155233

Ion Ratio Lower Upper

75 100

77 33.5 23.0 34.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.66

80000

60000

40000

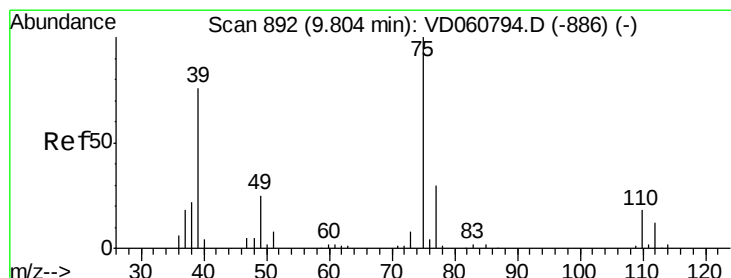
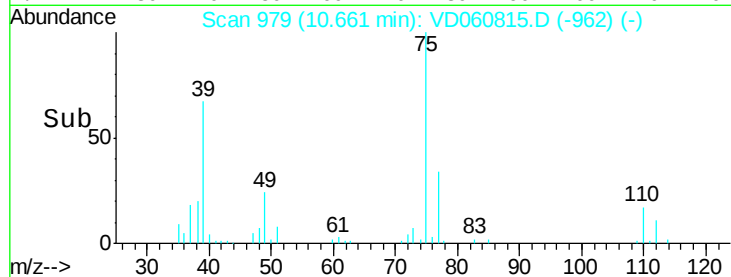
20000

0

Time-->

10.60

10.70



#54

cis-1,3-Dichloropropene

Concen: 19.630 ug/l

RT: 9.79 min Scan# 890

Delta R.T. -0.02 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

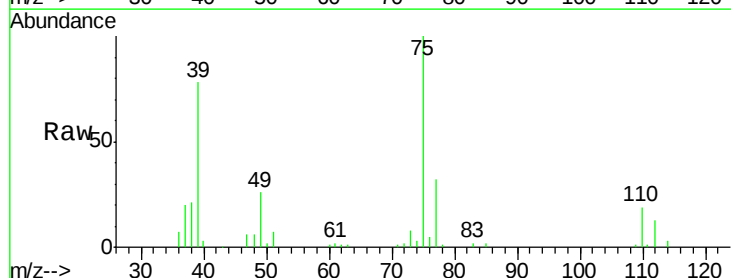
Tgt Ion: 75 Resp: 159860

Ion Ratio Lower Upper

75 100

77 32.2 23.9 35.9

39 78.2 60.4 90.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.79

80000

60000

40000

20000

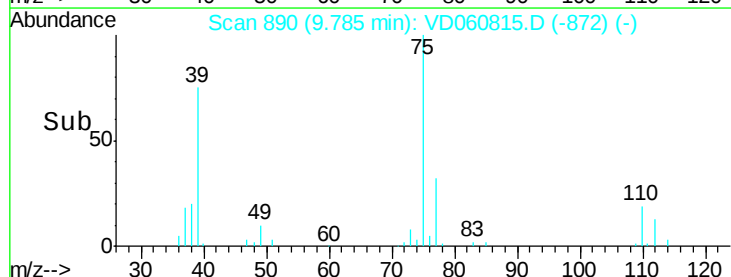
0

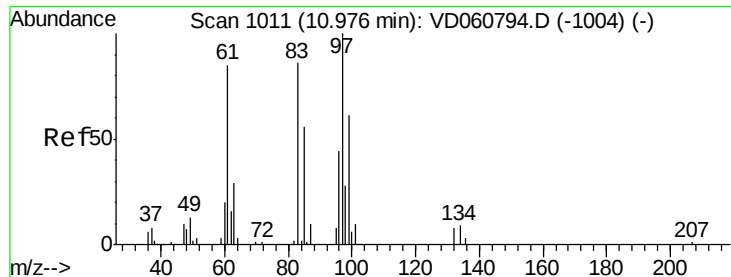
Time-->

9.70

9.80

9.90

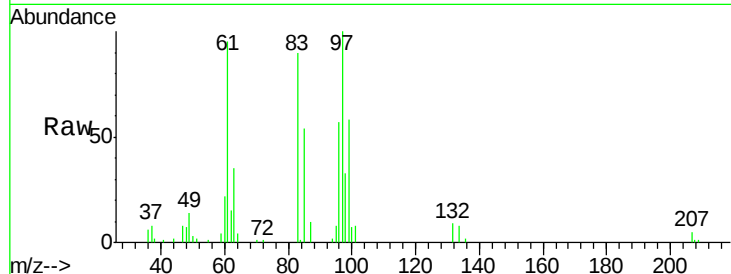




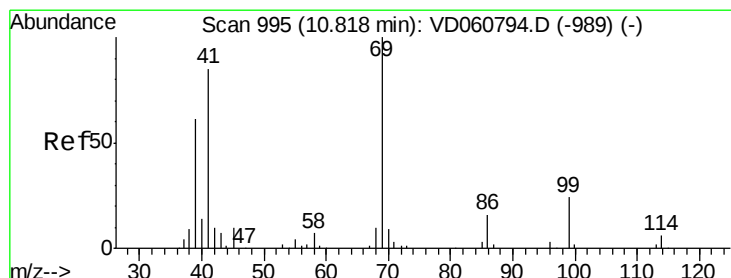
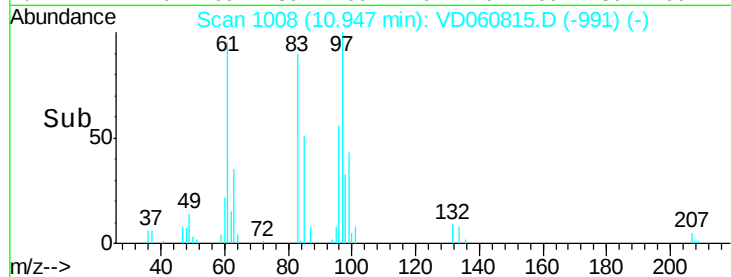
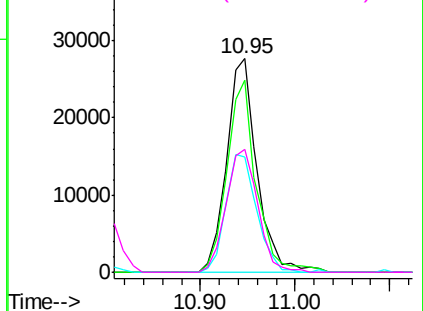
#55
 1,1,2-Trichloroethane
 Concen: 17.878 ug/l
 RT: 10.95 min Scan# 1008
 Delta R.T. -0.03 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBSD01

Tot Ion: 97 Resp: 61540
 Ion Ratio Lower Upper
 97 100
 83 89.7 68.5 102.7
 85 53.7 45.0 67.6
 99 57.6 49.0 73.4

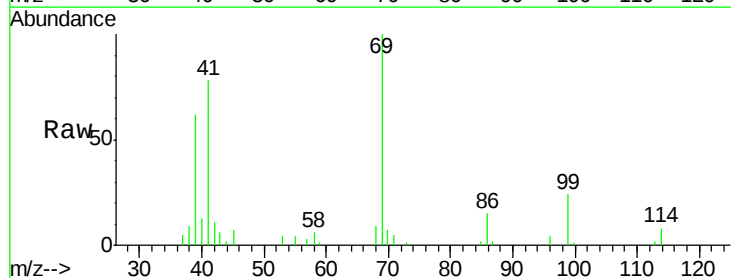


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

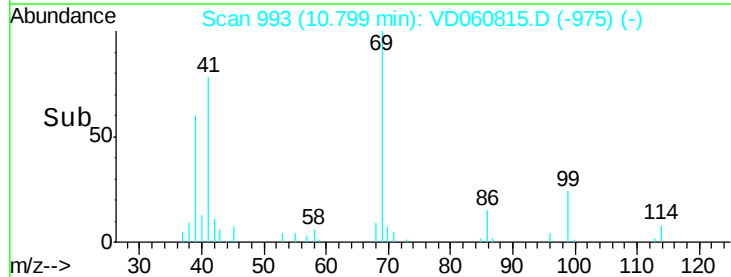
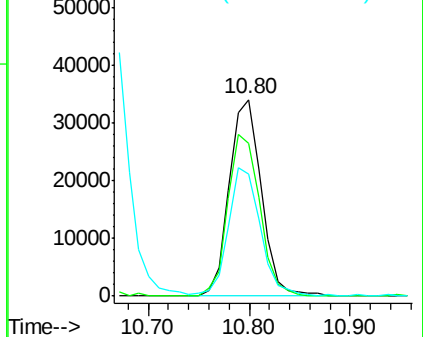


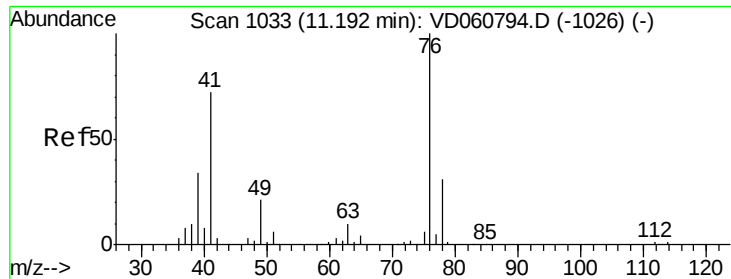
#56
 Ethyl methacrylate
 Concen: 17.982 ug/l
 RT: 10.80 min Scan# 993
 Delta R.T. -0.02 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Tgt Ion: 69 Resp: 74985
 Ion Ratio Lower Upper
 69 100
 41 78.0 68.2 102.2
 39 62.2 49.4 74.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

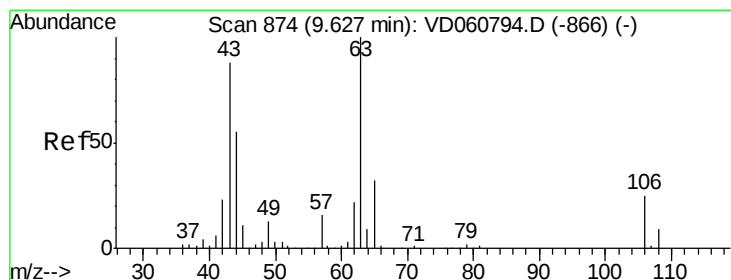
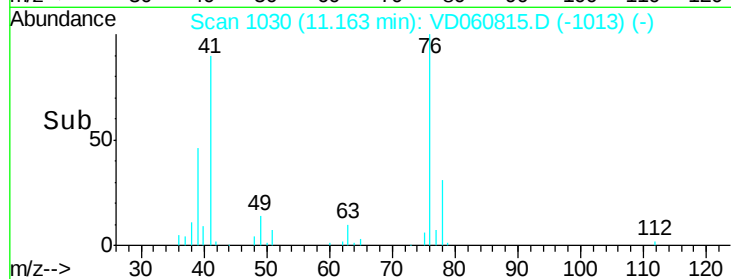
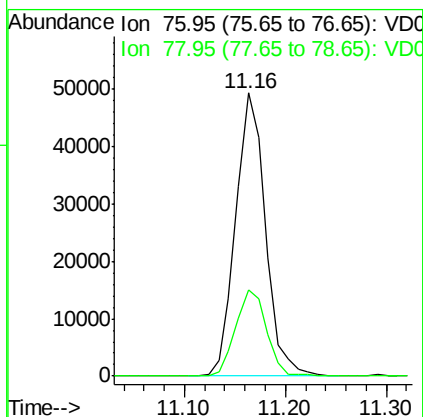
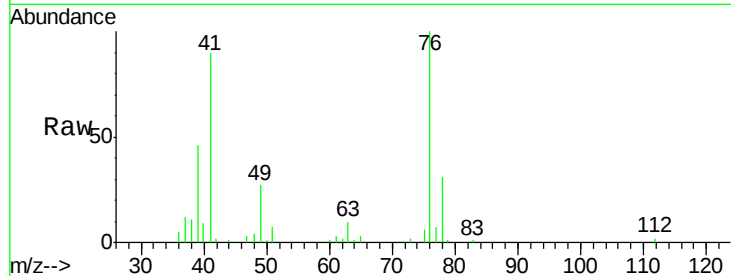




#57
 1,3-Dichloropropane
 Concen: 17.244 ug/l
 RT: 11.16 min Scan# 1030
 Delta R.T. -0.03 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

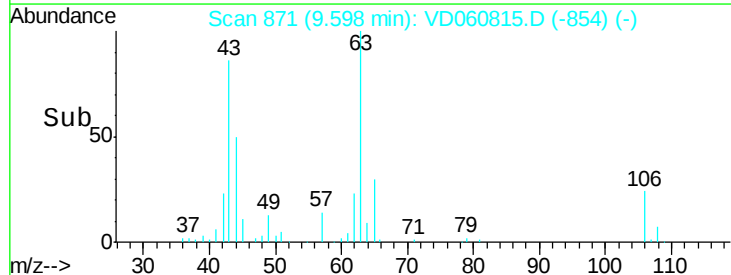
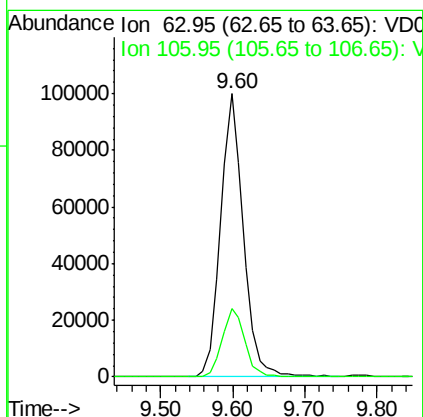
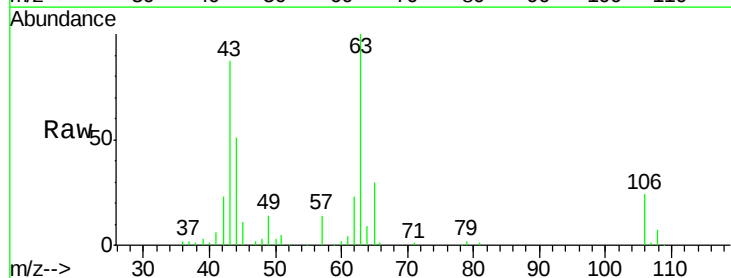
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBSD01

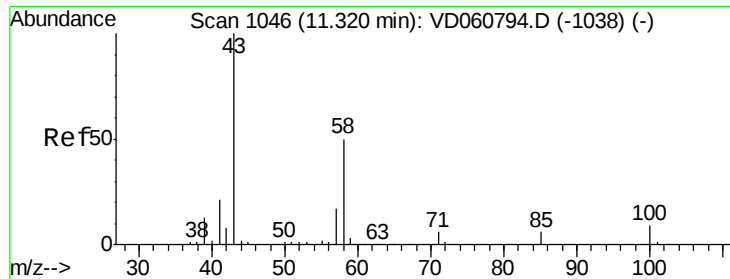
Tot Ion: 76 Resp: 101450
 Ion Ratio Lower Upper
 76 100
 78 30.6 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.056 ug/l
 RT: 9.60 min Scan# 871
 Delta R.T. -0.03 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Tgt Ion: 63 Resp: 216730
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.9 29.9

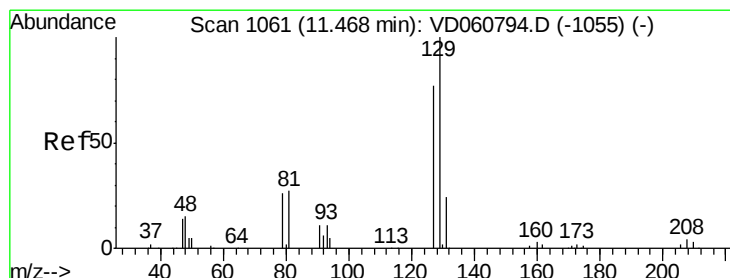
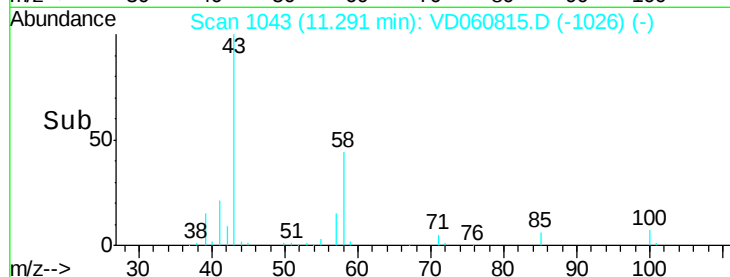
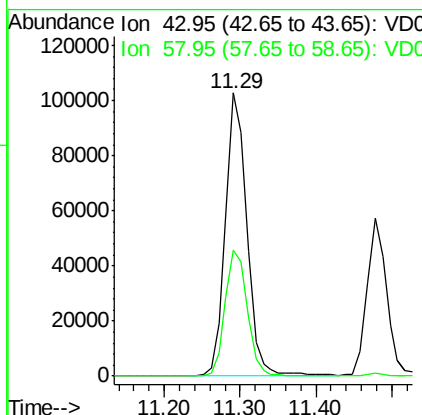
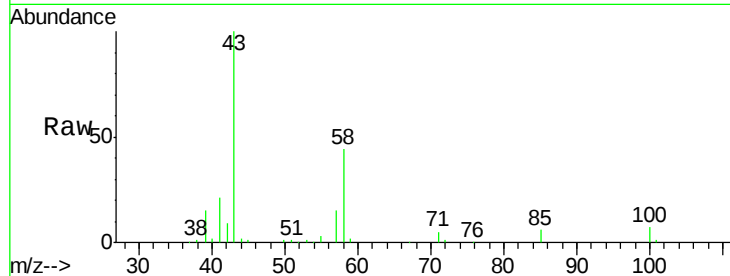




#59
2-Hexanone
Concen: 88.764 ug/l
RT: 11.29 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

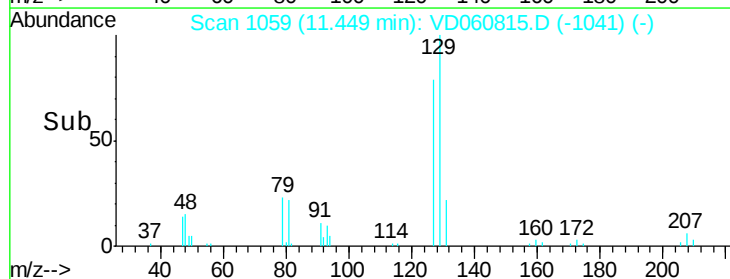
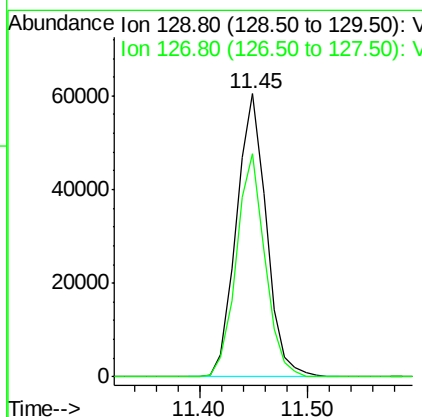
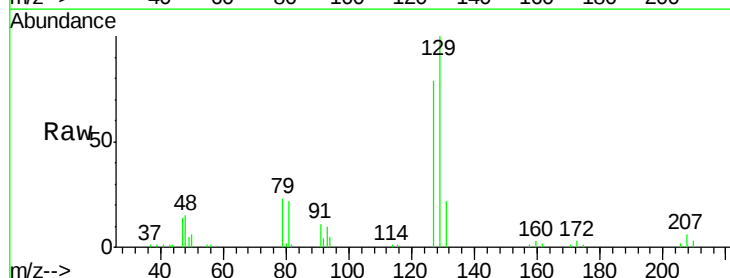
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBSD01

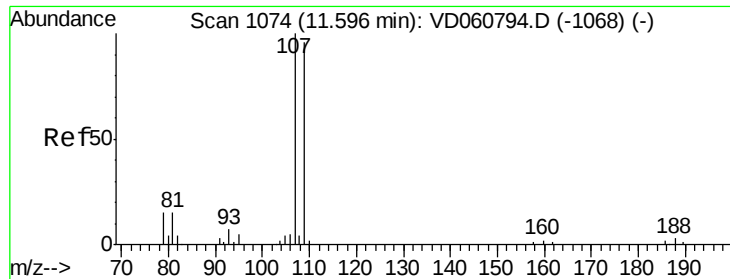
Tot Ion: 43 Resp: 202938
Ion Ratio Lower Upper
43 100
58 44.4 25.0 75.0



#60
Dibromochloromethane
Concen: 18.769 ug/l
RT: 11.45 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Tgt Ion:129 Resp: 116154
Ion Ratio Lower Upper
129 100
127 79.0 38.6 115.7





#61

1,2-Dibromoethane

Concen: 19.373 ug/l

RT: 11.57 min Scan# 1071

Delta R.T. -0.03 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

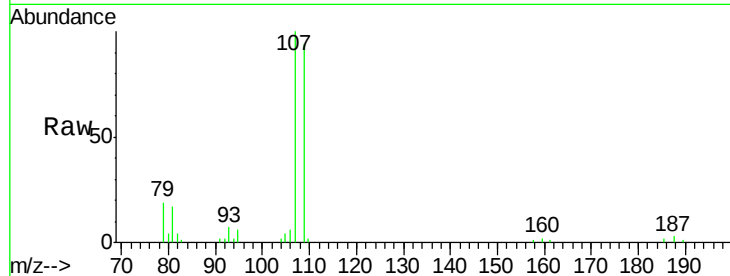
VD0201SBSD01

Tot Ion:107 Resp: 78538

Ion Ratio Lower Upper

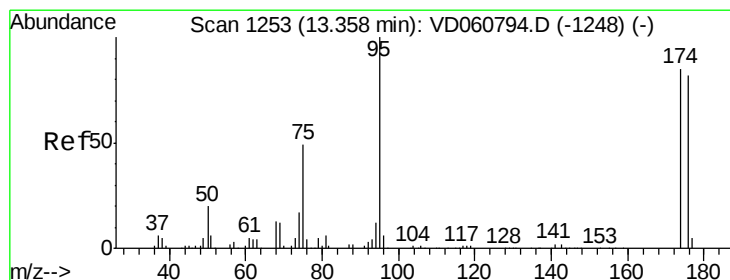
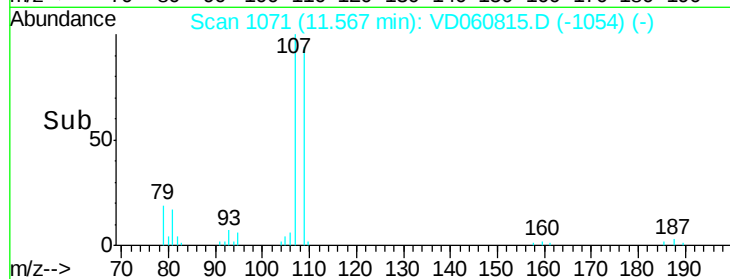
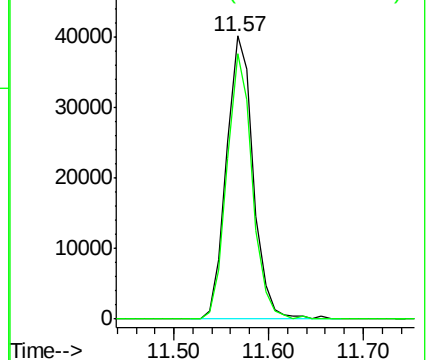
107 100

109 93.8 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.373 ug/l

RT: 13.34 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

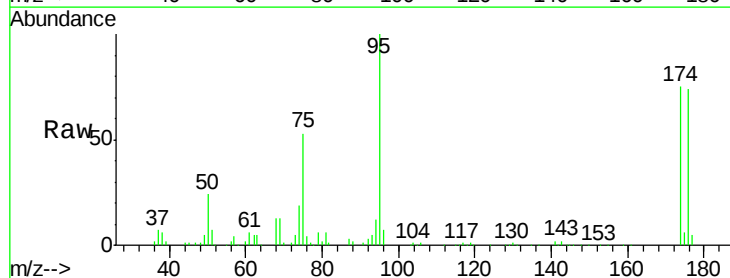
Tgt Ion: 95 Resp: 371762

Ion Ratio Lower Upper

95 100

174 75.1 0.0 169.6

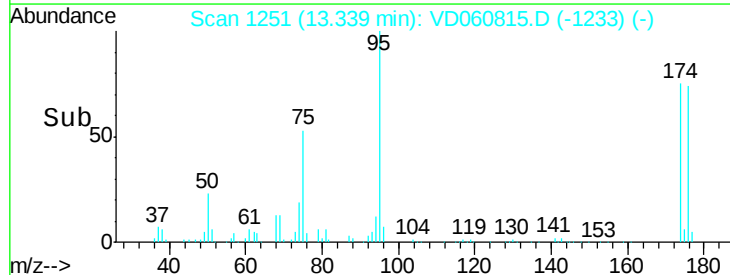
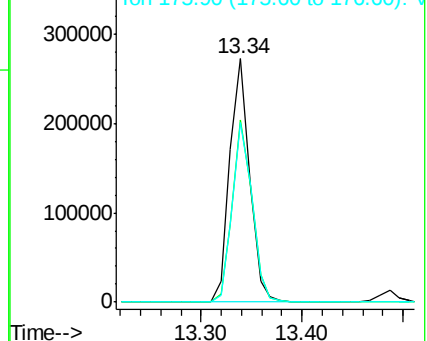
176 73.6 0.0 163.8

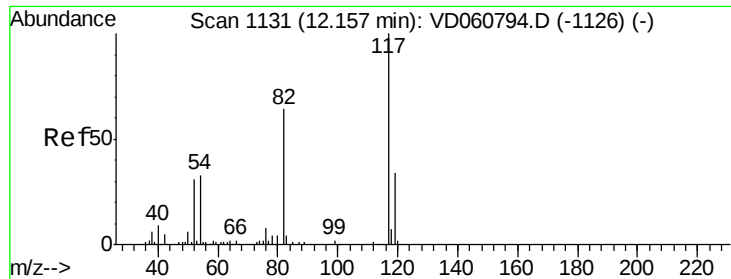


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

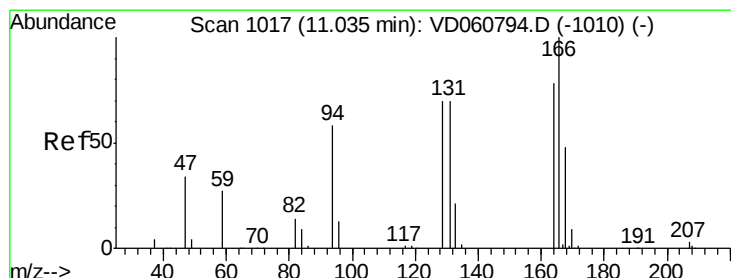
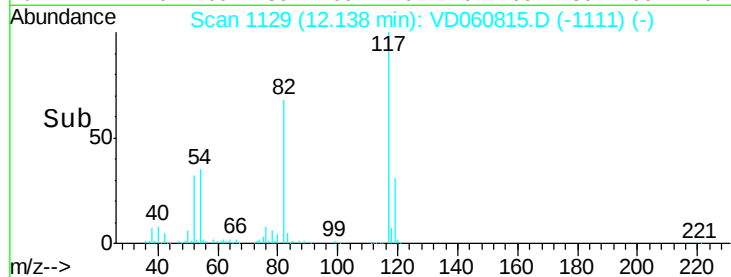
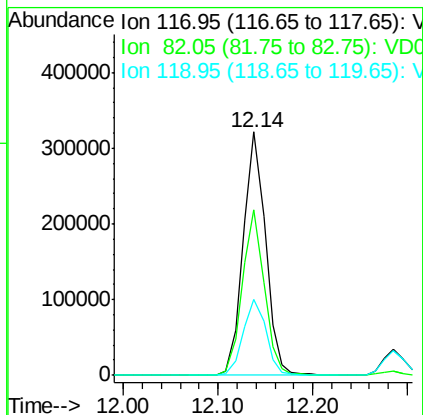
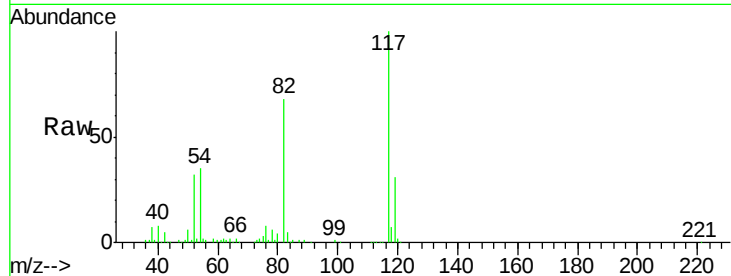




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.14 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

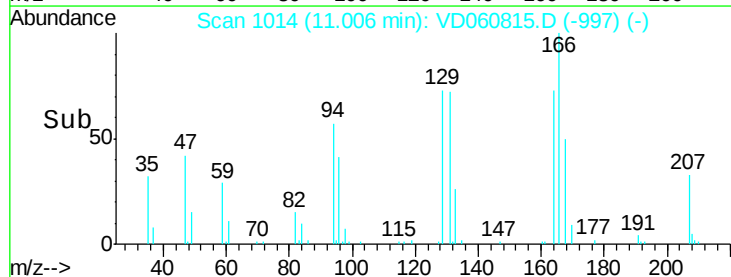
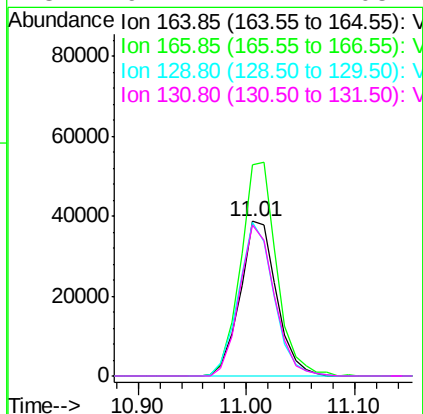
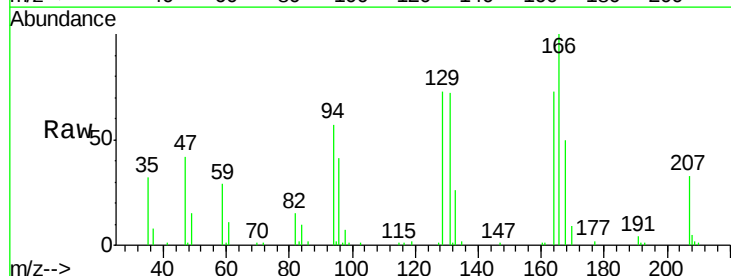
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBSD01

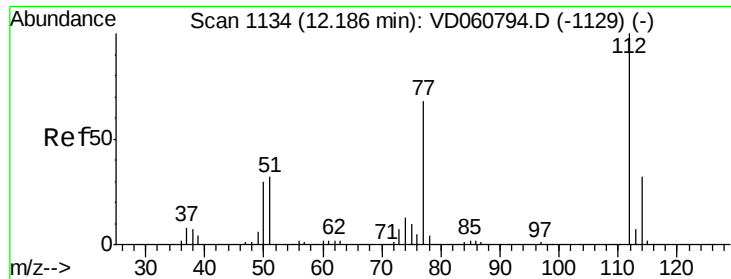
Tot Ion:117 Resp: 528470
Ion Ratio Lower Upper
117 100
82 68.0 51.5 77.3
119 31.3 27.1 40.7



#64
Tetrachloroethene
Concen: 18.534 ug/l
RT: 11.01 min Scan# 1014
Delta R.T. -0.03 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Tgt Ion:164 Resp: 89892
Ion Ratio Lower Upper
164 100
166 136.3 102.6 154.0
129 99.6 72.3 108.5
131 97.7 72.1 108.1

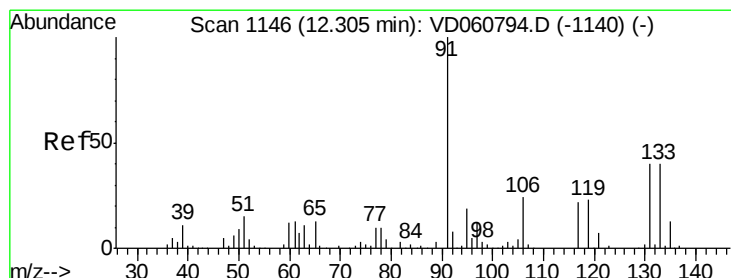
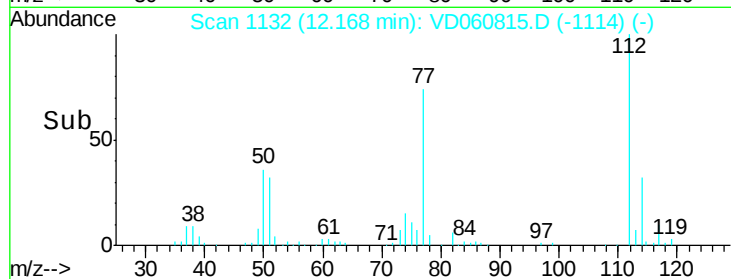
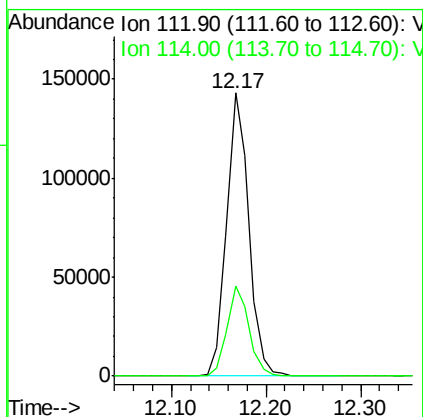
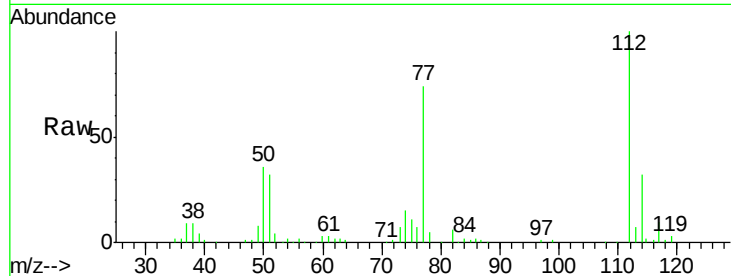




#65
Chlorobenzene
Concen: 19.185 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. -0.02 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

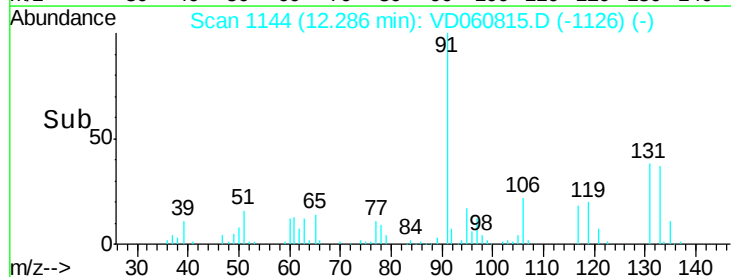
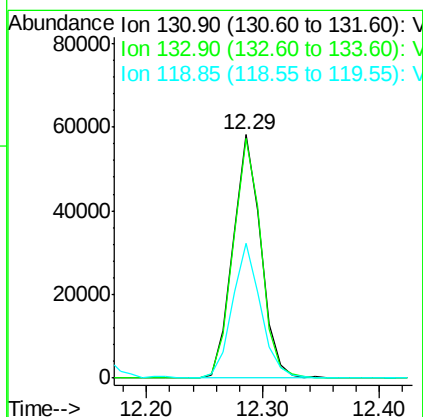
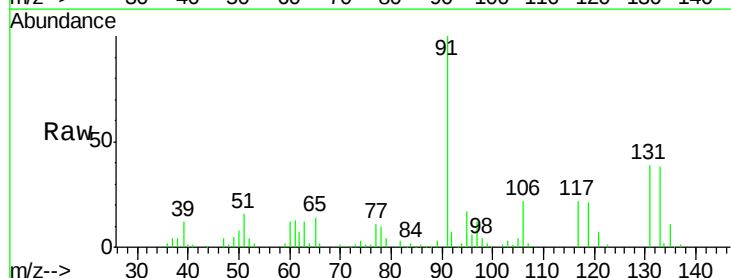
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBSD01

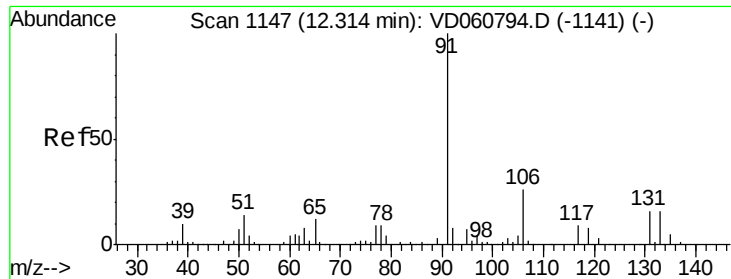
Tot Ion:112 Resp: 231693
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.534 ug/l
RT: 12.29 min Scan# 1144
Delta R.T. -0.02 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Tgt Ion:131 Resp: 96162
Ion Ratio Lower Upper
131 100
133 98.5 49.9 149.7
119 55.4 28.5 85.5





#67

Ethyl Benzene

Concen: 19.229 ug/l

RT: 12.30 min Scan# 1145

Delta R.T. -0.02 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

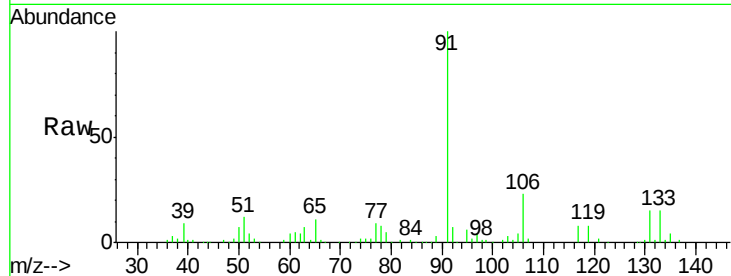
VD0201SBS01

Tot Ion: 91 Resp: 417578

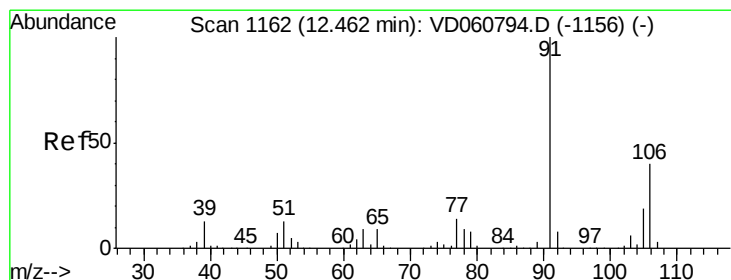
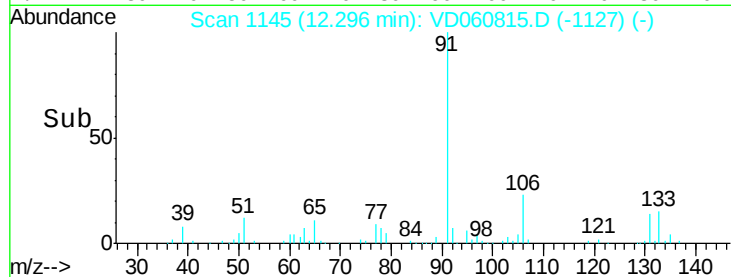
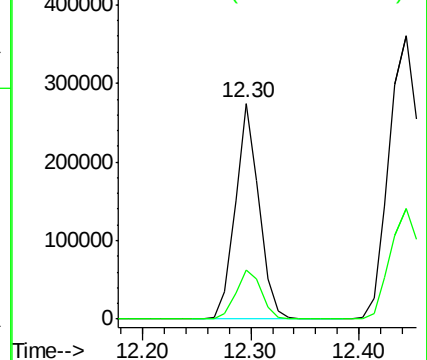
Ion Ratio Lower Upper

91 100

106 22.9 21.0 31.6



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 38.533 ug/l

RT: 12.44 min Scan# 1160

Delta R.T. -0.02 min

Lab File: VD060815.D

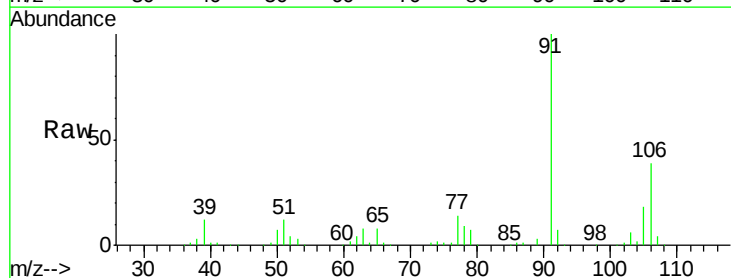
Acq: 1 Feb 2019 13:17

Tgt Ion: 106 Resp: 272247

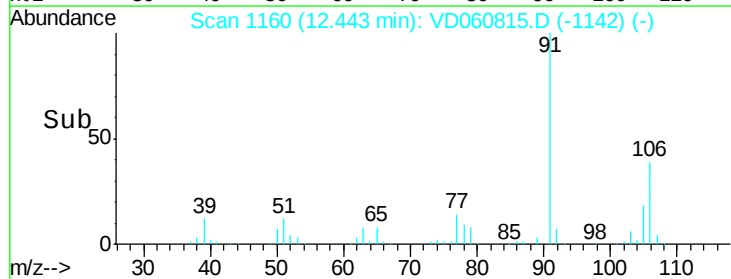
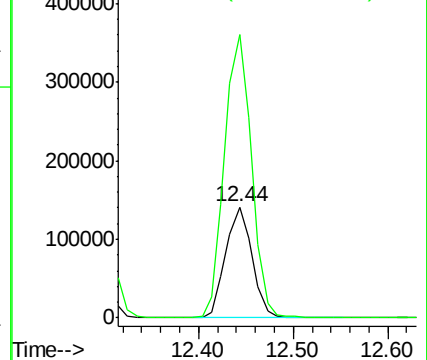
Ion Ratio Lower Upper

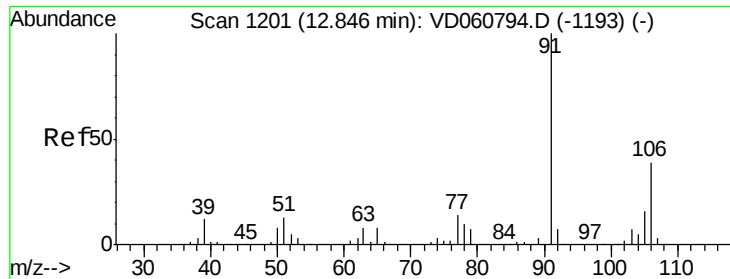
106 100

91 255.5 200.5 300.7



Abundance Ion 106.05 (105.75 to 106.75): V

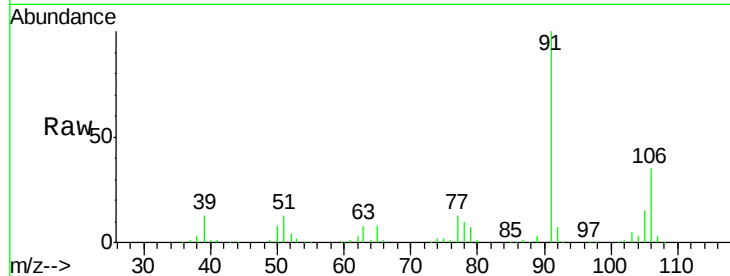




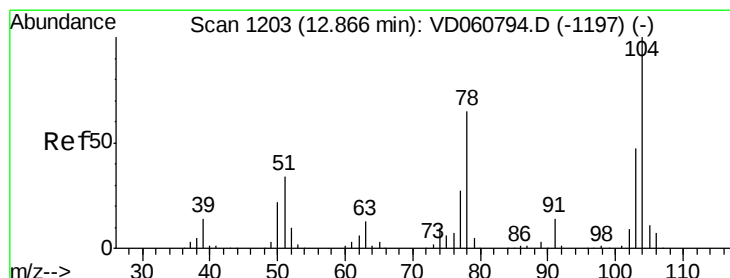
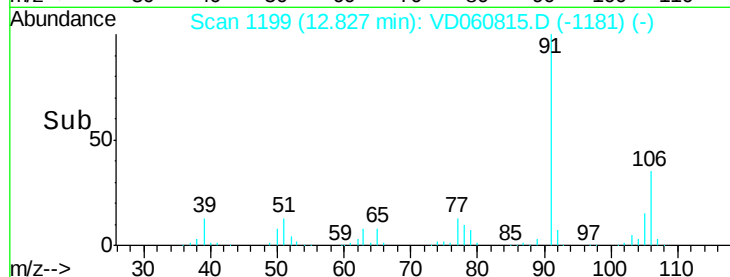
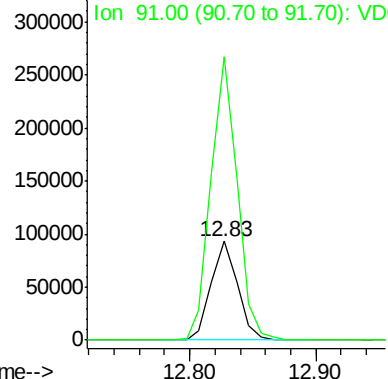
#69
o-Xylene
Concen: 19.276 ug/l
RT: 12.83 min Scan# 1199
Delta R.T. -0.02 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBSD01

Tot Ion:106 Resp: 134794
Ion Ratio Lower Upper
106 100
91 287.5 127.6 382.7

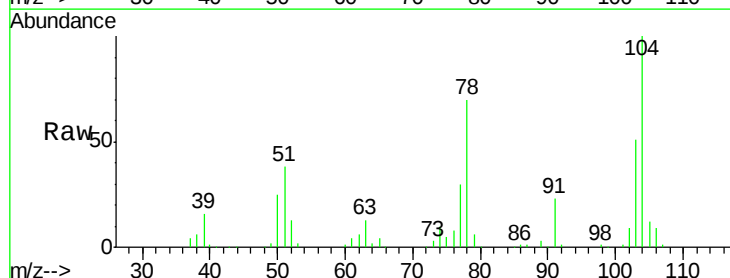


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

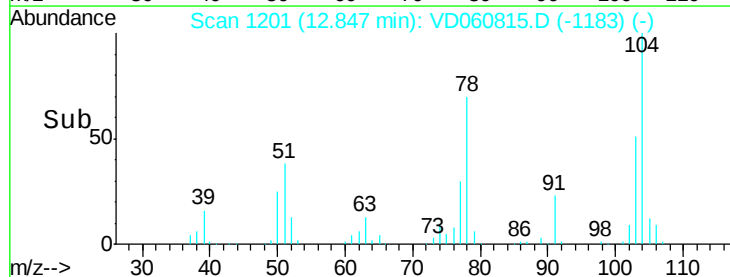
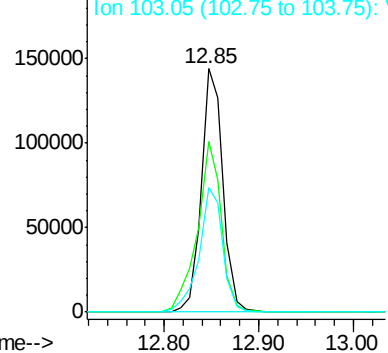


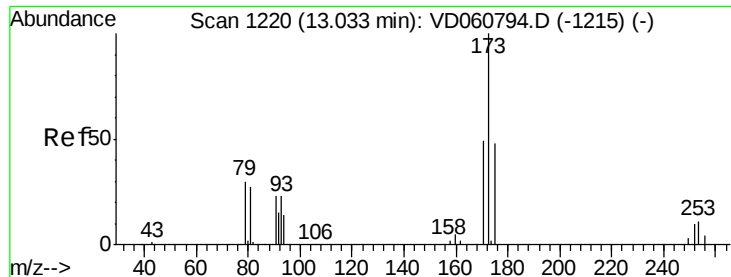
#70
Styrene
Concen: 19.281 ug/l
RT: 12.85 min Scan# 1201
Delta R.T. -0.02 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Tgt Ion:104 Resp: 226094
Ion Ratio Lower Upper
104 100
78 70.0 52.0 78.0
103 51.2 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

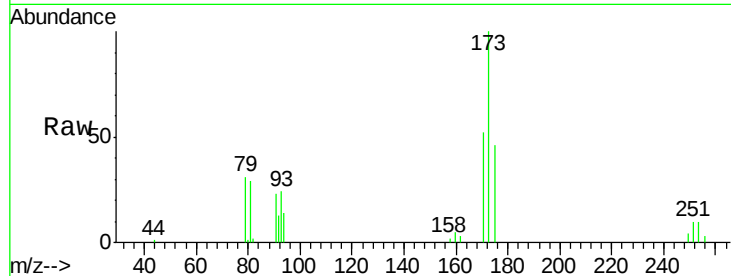




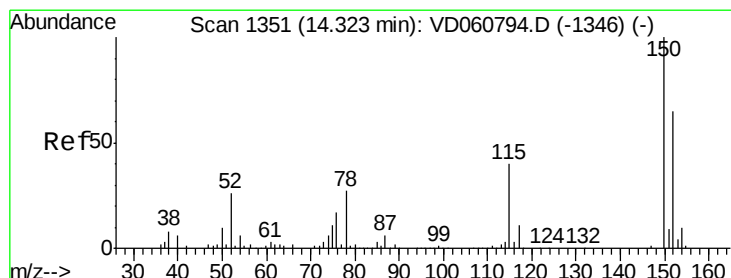
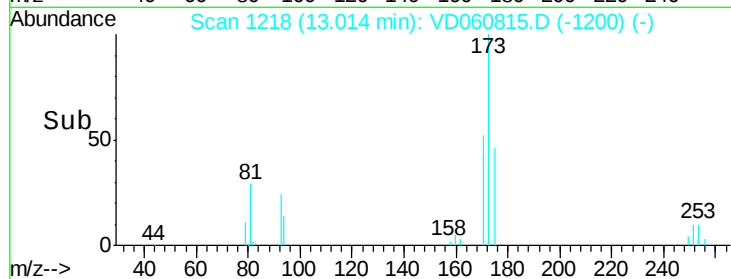
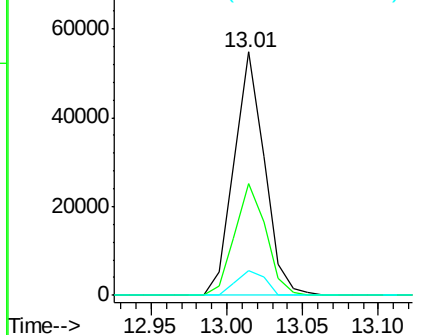
#71
Bromoform
Concen: 19.489 ug/l
RT: 13.01 min Scan# 1218
Delta R.T. -0.02 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBSD01

Tot Ion:173 Resp: 76188
Ion Ratio Lower Upper
173 100
175 45.9 24.1 72.4
254 9.9 9.1 13.7

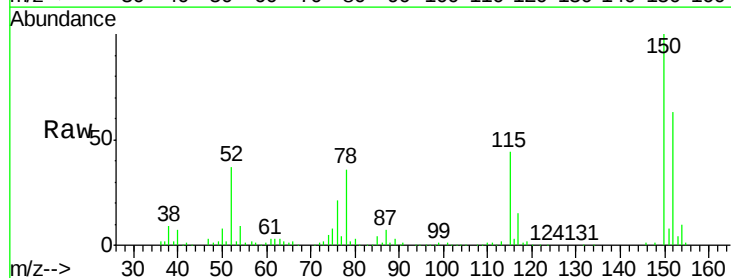


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

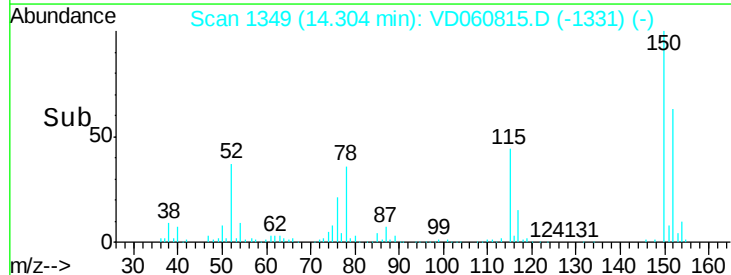
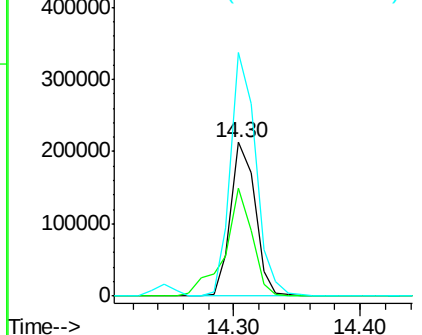


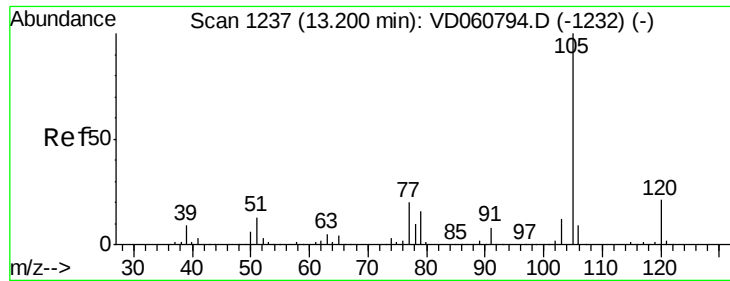
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.30 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Tgt Ion:152 Resp: 286471
Ion Ratio Lower Upper
152 100
115 70.2 31.6 95.0
150 158.3 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: 19.038 ug/l

RT: 13.18 min Scan# 1235

Delta R.T. -0.02 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

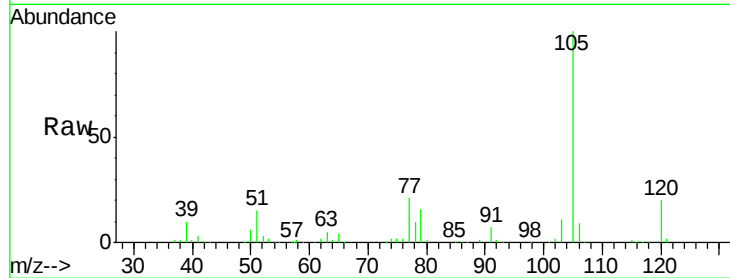
VD0201SBSD01

Tot Ion:105 Resp: 434845

Ion Ratio Lower Upper

105 100

120 20.3 10.7 32.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.18

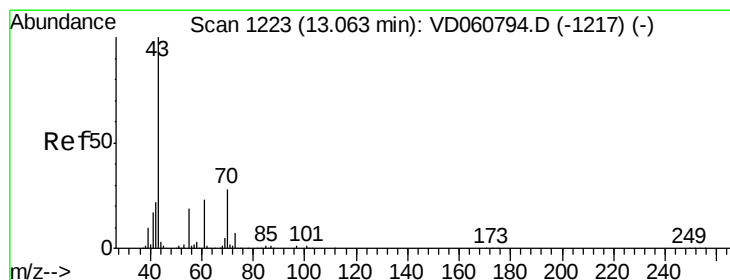
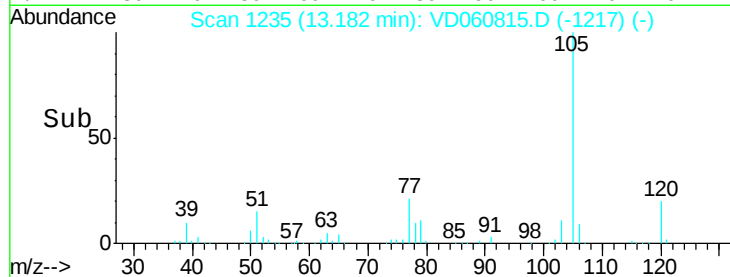
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.806 ug/l

RT: 13.04 min Scan# 1221

Delta R.T. -0.02 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Tgt Ion: 43 Resp: 125029

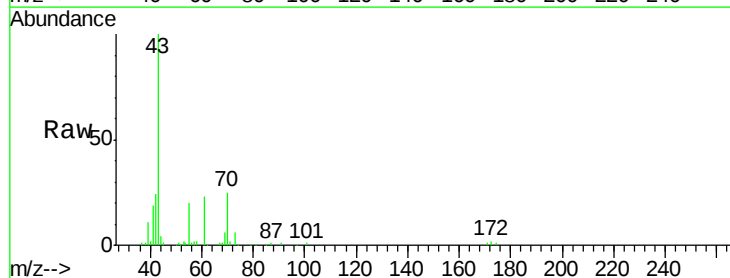
Ion Ratio Lower Upper

43 100

70 25.3 22.2 33.4

55 19.9 15.5 23.3

61 23.1 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

120000

100000

80000

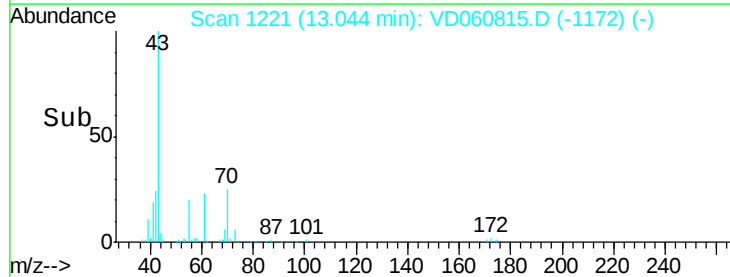
60000

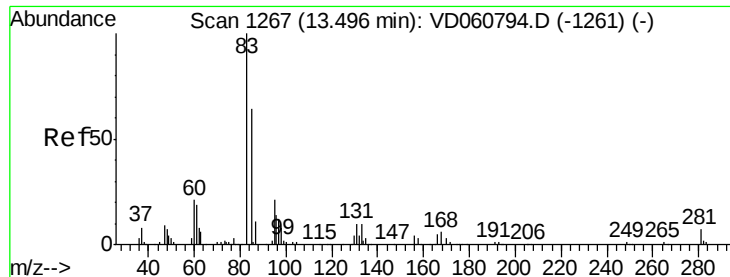
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.198 ug/l

RT: 13.49 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBSD01

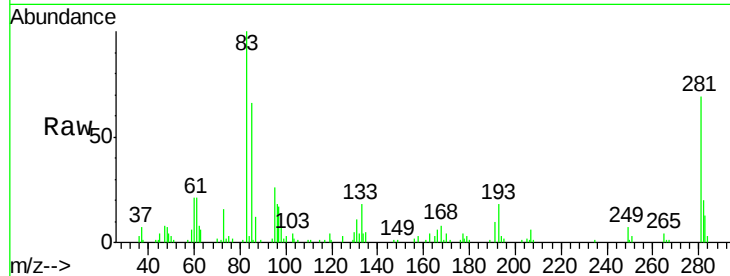
Tot Ion: 83 Resp: 71522

Ion Ratio Lower Upper

83 100

131 11.0 5.0 15.0

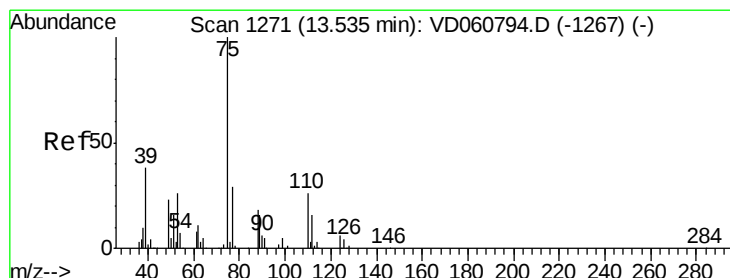
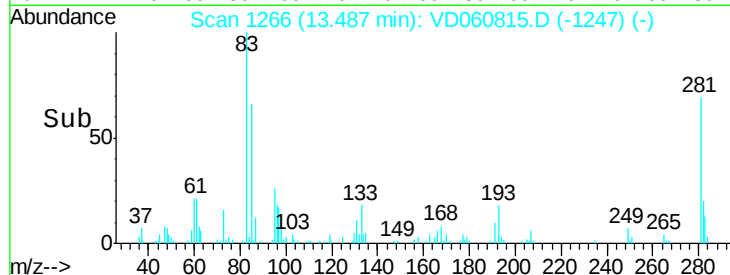
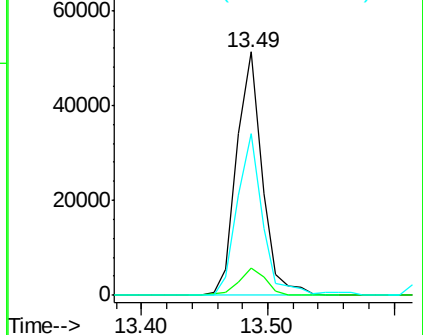
85 66.3 31.8 95.4



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: 17.830 ug/l

RT: 13.52 min Scan# 1269

Delta R.T. -0.02 min

Lab File: VD060815.D

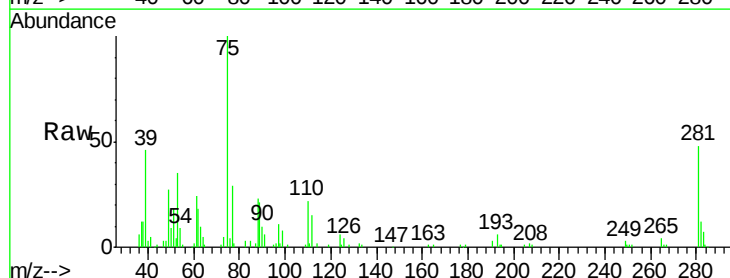
Acq: 1 Feb 2019 13:17

Tgt Ion: 75 Resp: 93663

Ion Ratio Lower Upper

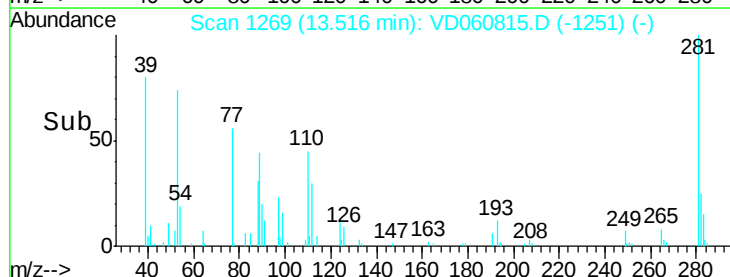
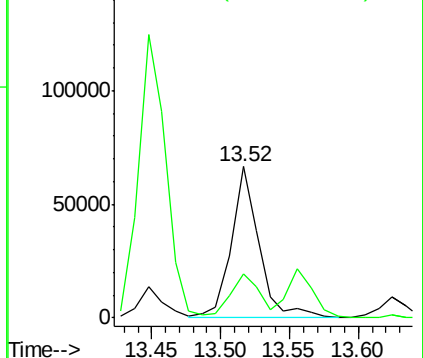
75 100

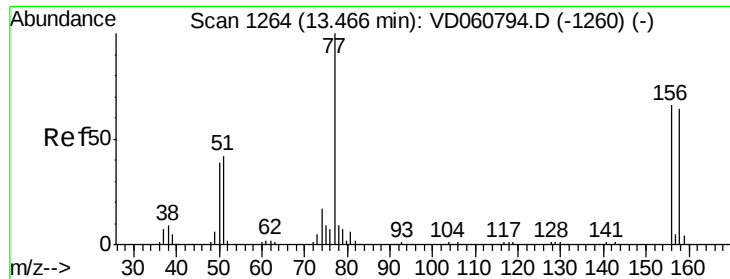
77 29.3 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.882 ug/l

RT: 13.46 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBSD01

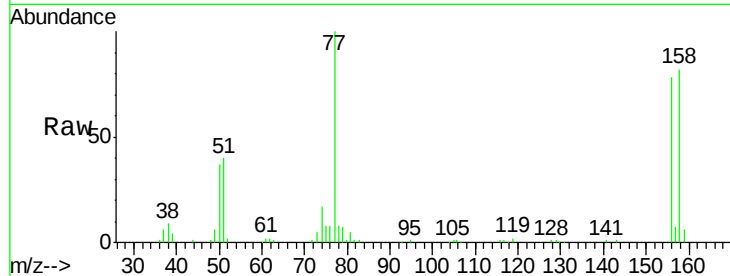
Tot Ion:156 Resp: 110861

Ion Ratio Lower Upper

156 100

77 128.0 76.0 228.0

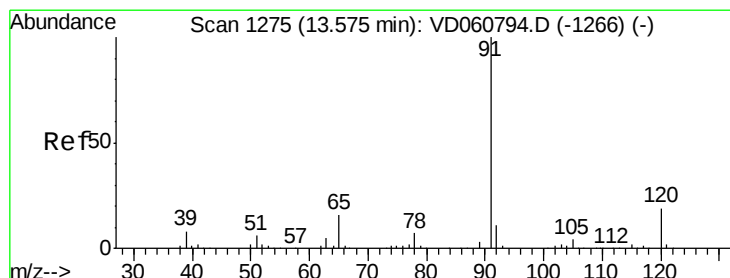
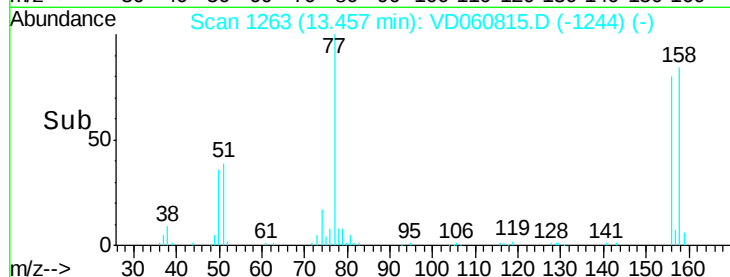
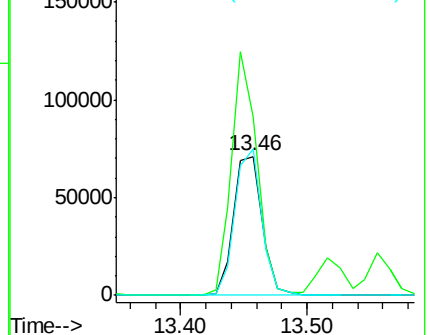
158 105.4 48.4 145.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.858 ug/l

RT: 13.56 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VD060815.D

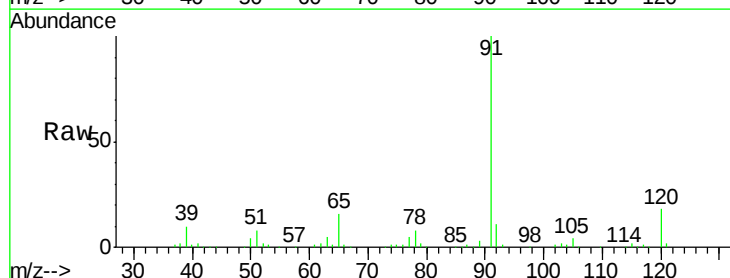
Acq: 1 Feb 2019 13:17

Tgt Ion: 91 Resp: 569380

Ion Ratio Lower Upper

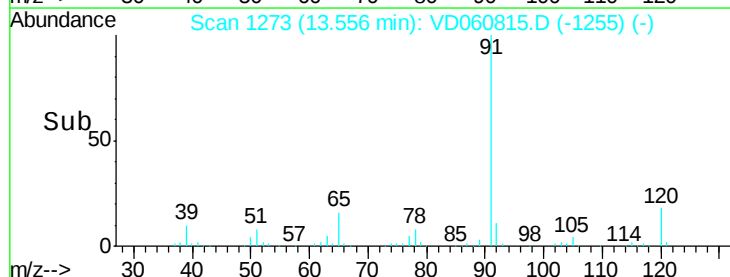
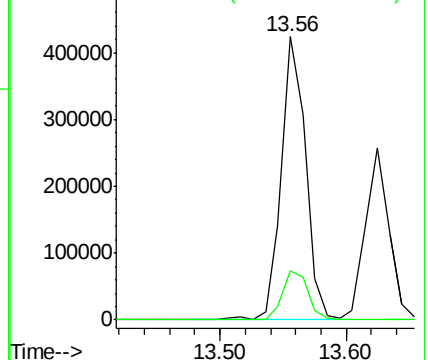
91 100

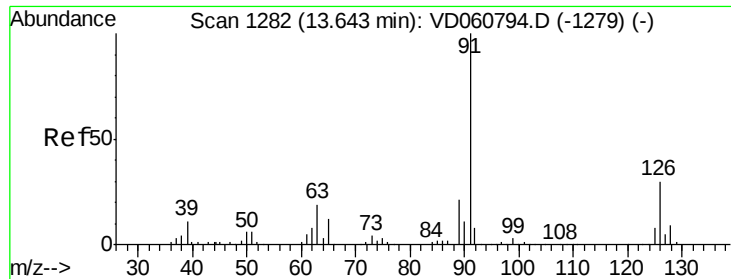
120 17.5 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.013 ug/l

RT: 13.62 min Scan# 1280

Delta R.T. -0.02 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

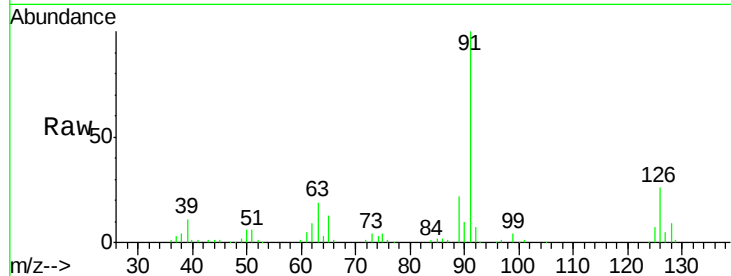
VD0201SBSD01

Tot Ion: 91 Resp: 332516

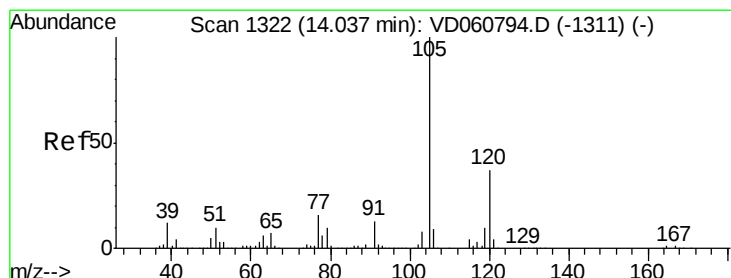
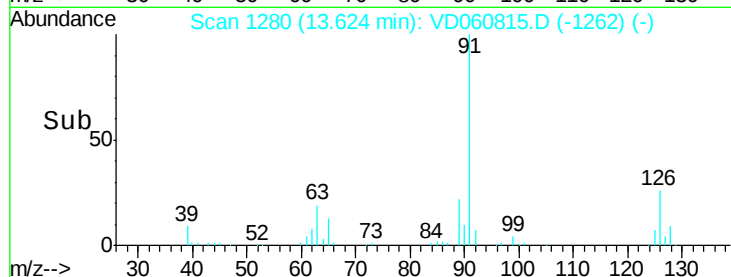
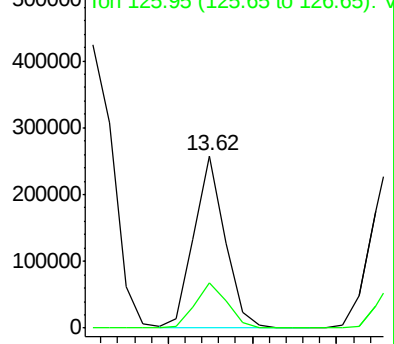
Ion Ratio Lower Upper

91 100

126 26.0 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): VD060794.D (-1279) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.428 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VD060815.D

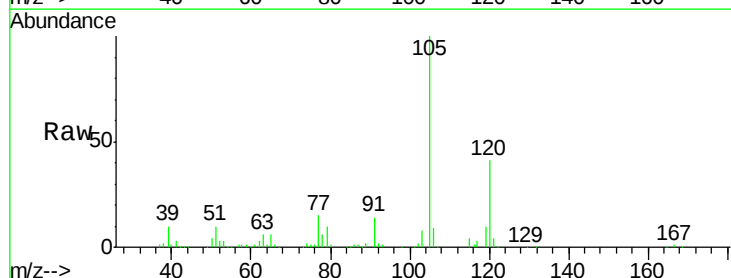
Acq: 1 Feb 2019 13:17

Tgt Ion: 105 Resp: 382011

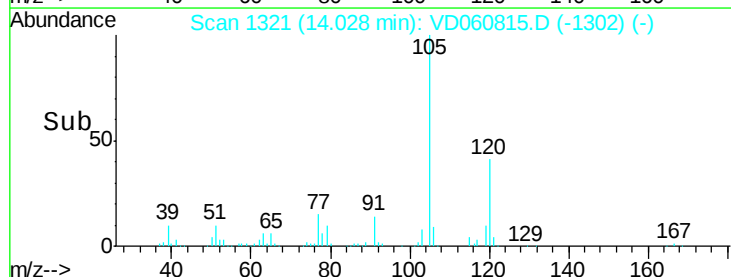
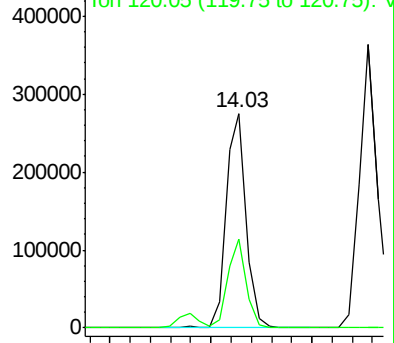
Ion Ratio Lower Upper

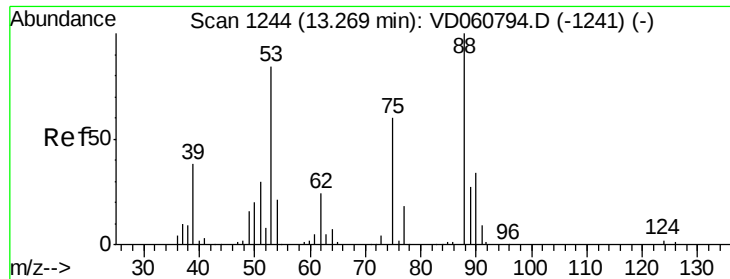
105 100

120 41.1 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): VD060794.D (-1311) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.943 ug/l

RT: 13.26 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

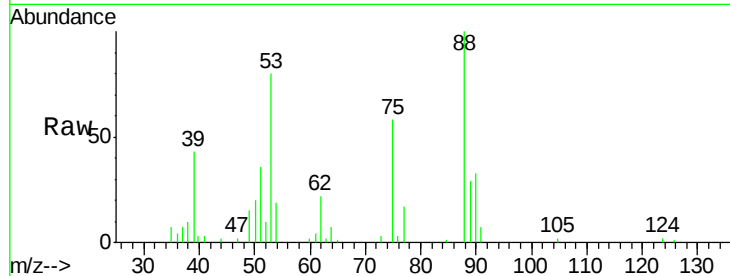
Tot Ion: 75 Resp: 21835

Ion Ratio Lower Upper

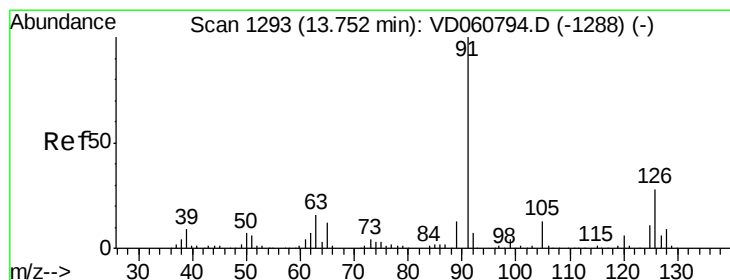
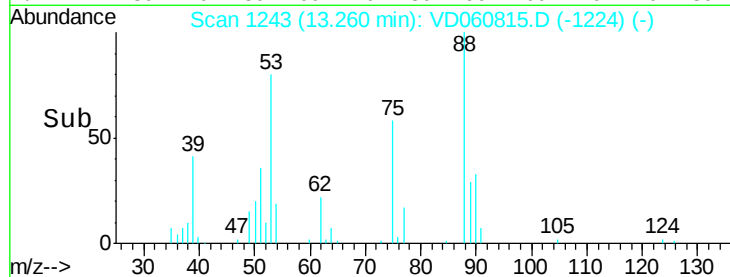
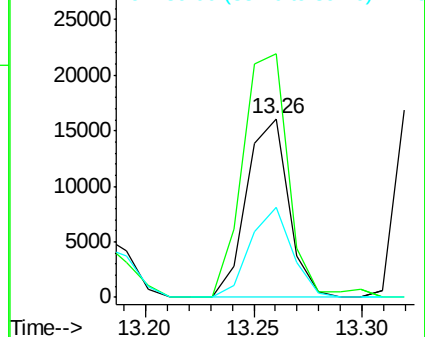
75 100

53 136.1 111.6 167.4

89 50.1 35.9 53.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.419 ug/l

RT: 13.73 min Scan# 1291

Delta R.T. -0.02 min

Lab File: VD060815.D

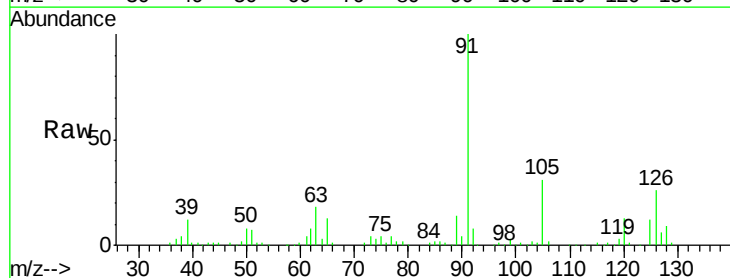
Acq: 1 Feb 2019 13:17

Tgt Ion: 91 Resp: 396887

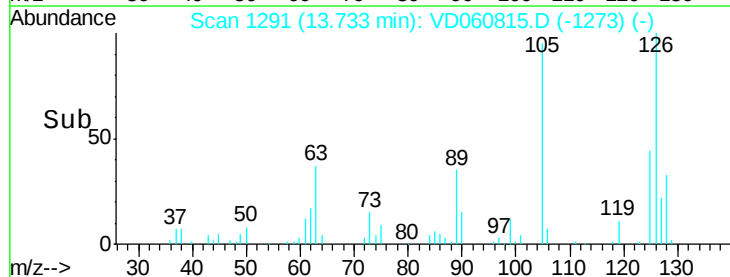
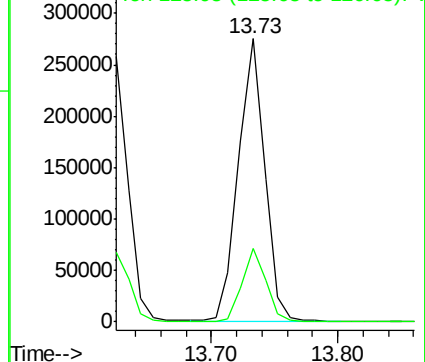
Ion Ratio Lower Upper

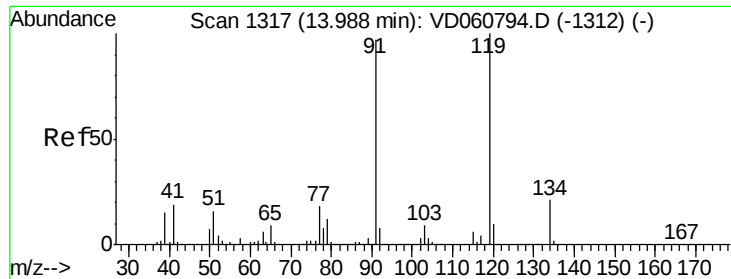
91 100

126 26.2 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 19.034 ug/l

RT: 13.98 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0201SBS01

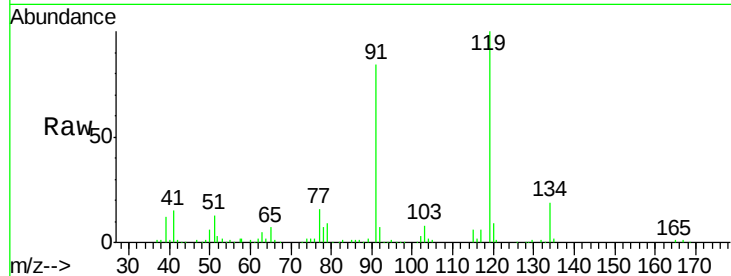
Tot Ion:119 Resp: 391568

Ion Ratio Lower Upper

119 100

91 84.1 48.5 145.5

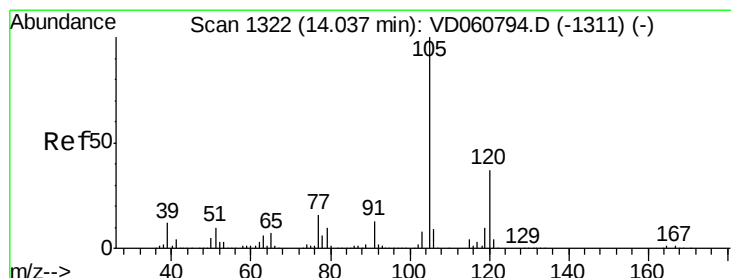
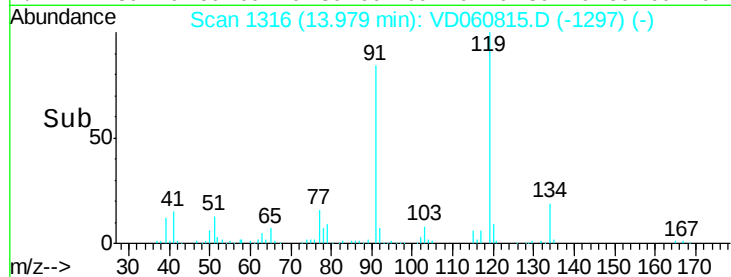
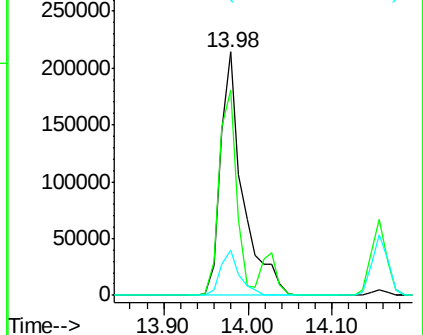
134 18.7 10.3 30.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.428 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VD060815.D

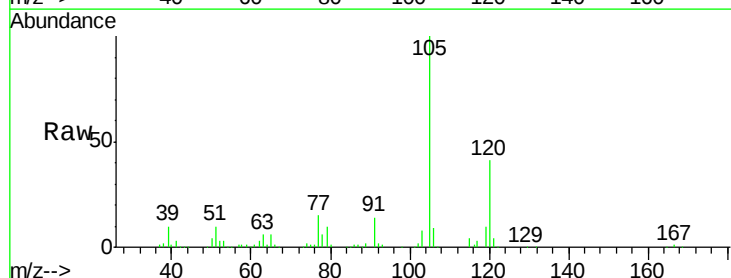
Acq: 1 Feb 2019 13:17

Tgt Ion:105 Resp: 382011

Ion Ratio Lower Upper

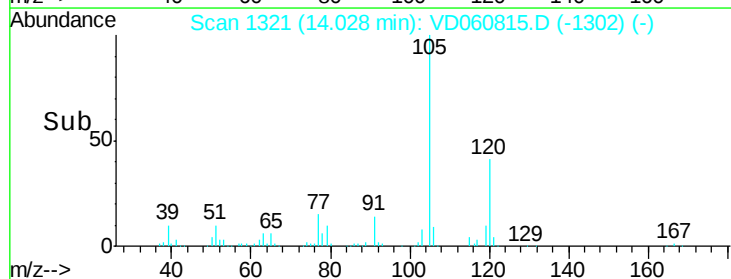
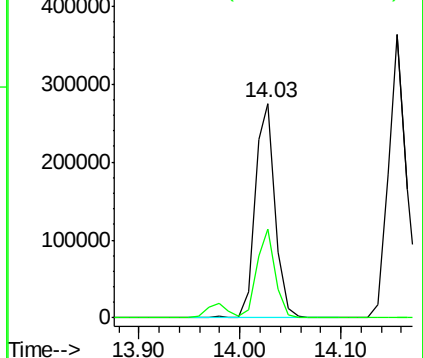
105 100

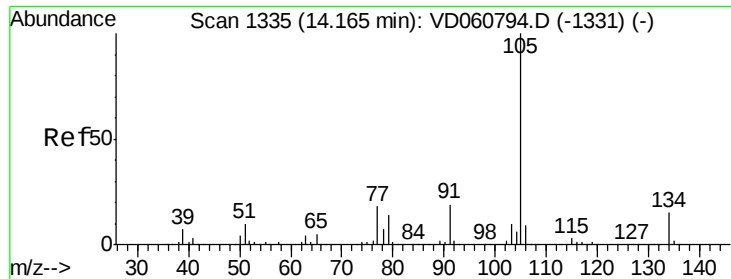
120 41.1 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 19.261 ug/l

RT: 14.16 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

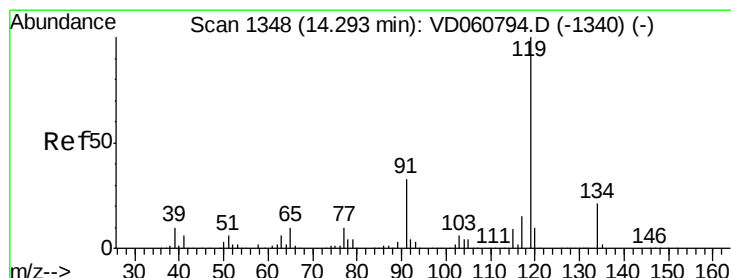
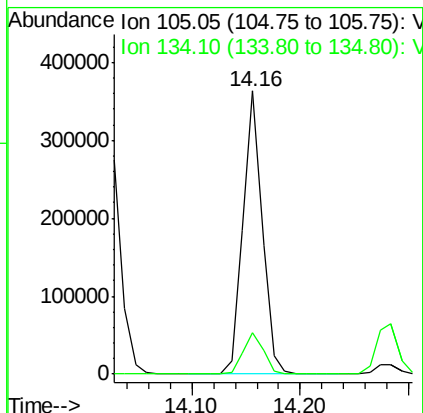
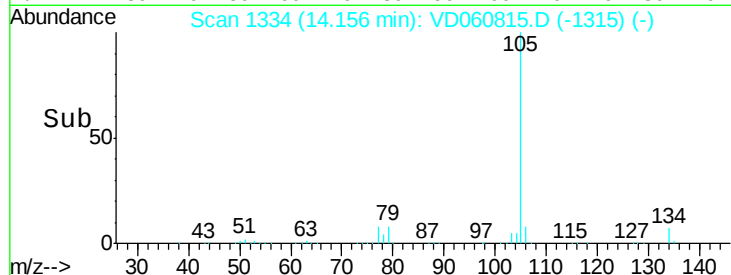
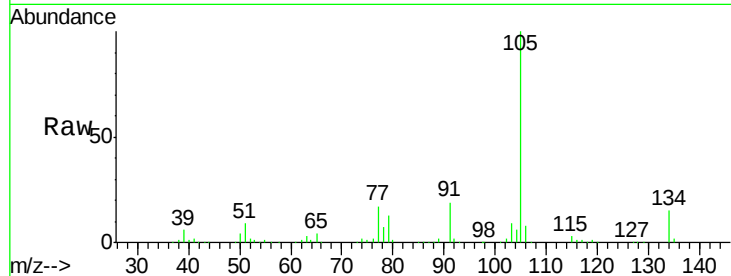
VD0201SBS01

Tot Ion:105 Resp: 451055

Ion Ratio Lower Upper

105 100

134 14.5 7.4 22.2



#86

p-Isopropyltoluene

Concen: 21.780 ug/l

RT: 14.28 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VD060815.D

Acq: 1 Feb 2019 13:17

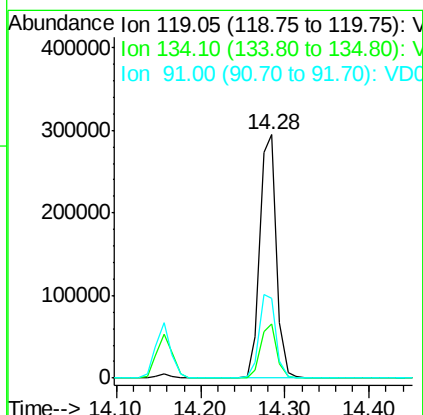
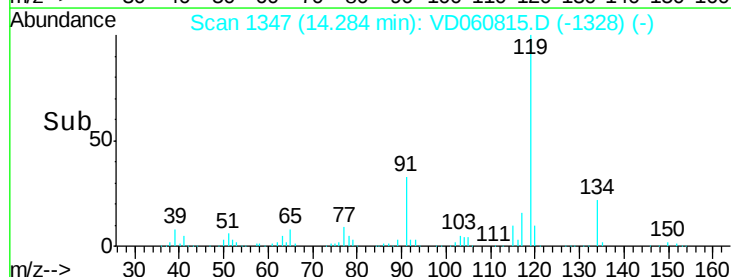
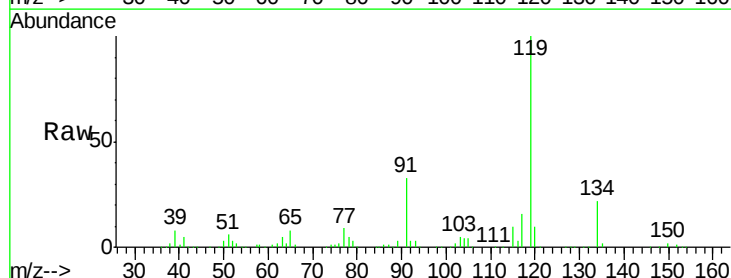
Tgt Ion:119 Resp: 414094

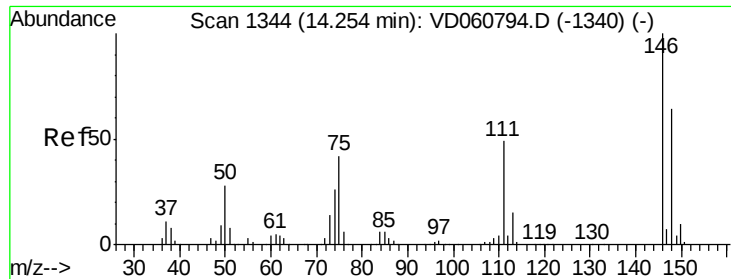
Ion Ratio Lower Upper

119 100

134 22.2 10.8 32.3

91 32.7 16.7 50.0

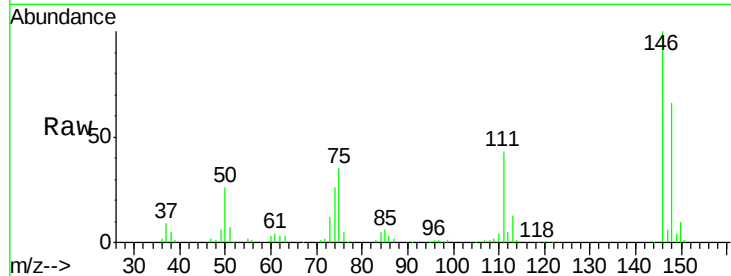




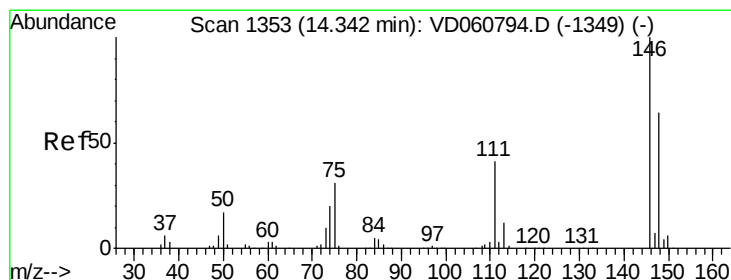
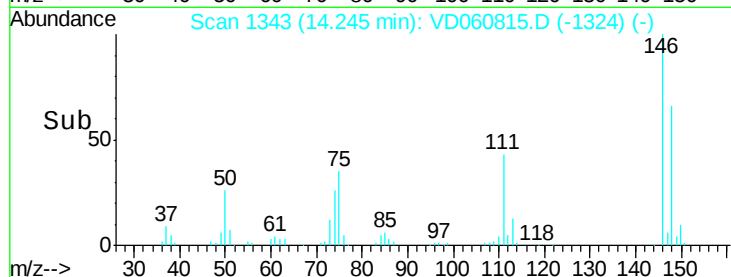
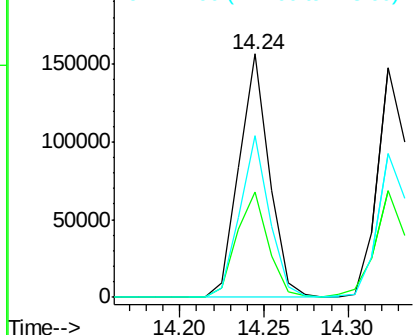
#87
 1,3-Dichlorobenzene
 Concen: 18.529 ug/l
 RT: 14.24 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBSD01

Tot Ion:146 Resp: 194582
 Ion Ratio Lower Upper
 146 100
 111 43.4 24.3 73.0
 148 66.4 32.1 96.5

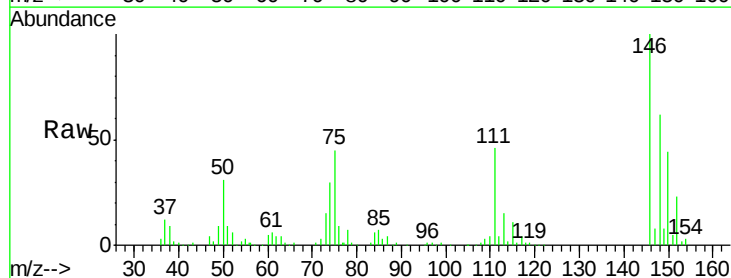


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

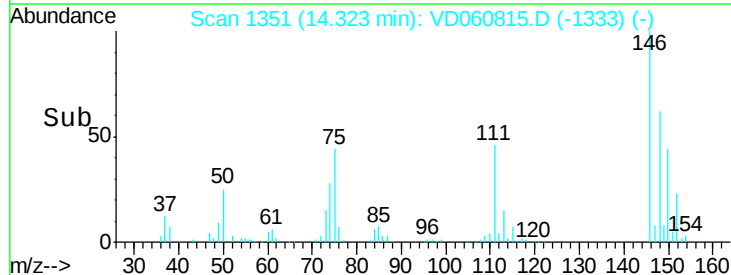
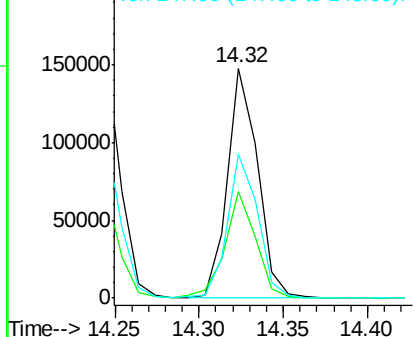


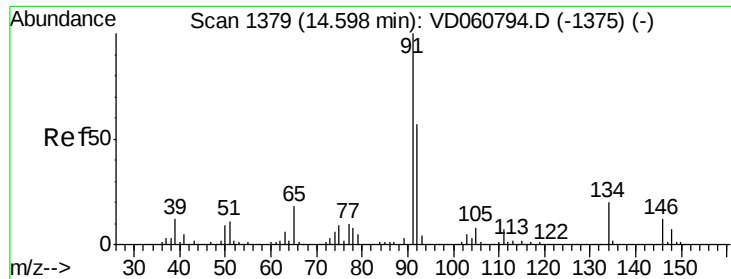
#88
 1,4-Dichlorobenzene
 Concen: 18.068 ug/l
 RT: 14.32 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Tgt Ion:146 Resp: 184363
 Ion Ratio Lower Upper
 146 100
 111 46.3 20.6 61.8
 148 62.4 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

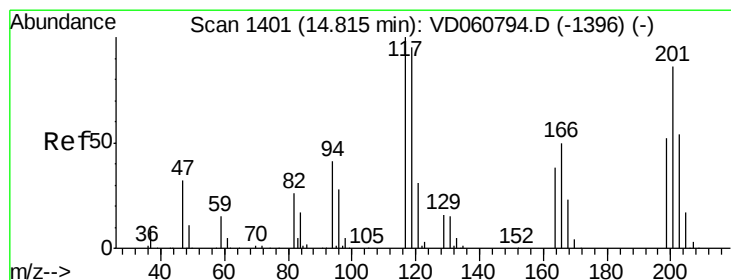
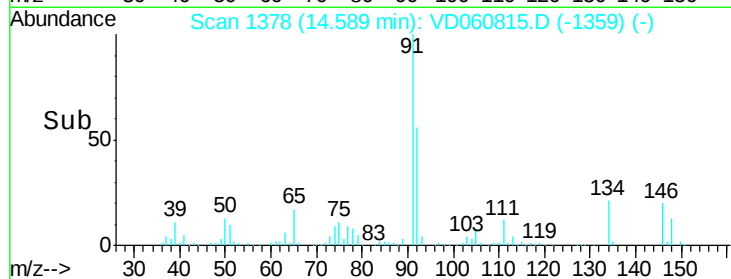
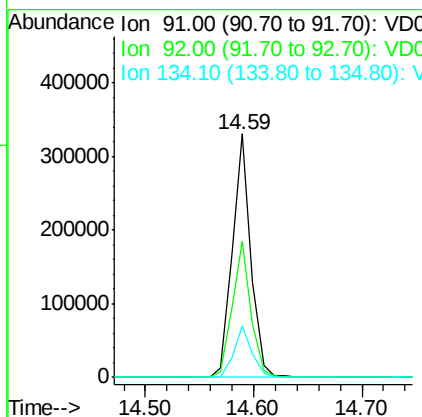
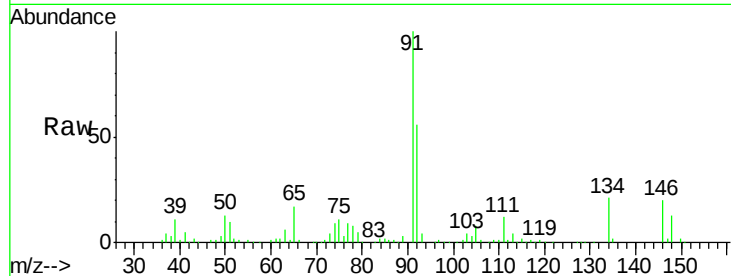




#89
n-Butylbenzene
Concen: 19.737 ug/l
RT: 14.59 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

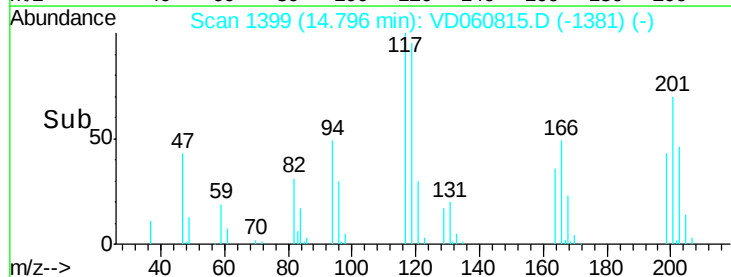
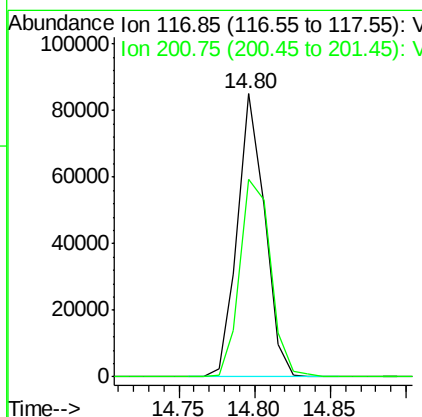
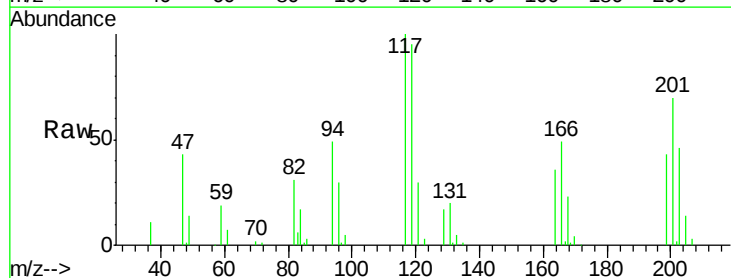
Instrument :
MSVOA_D
ClientSampleId :
VD0201SBS01

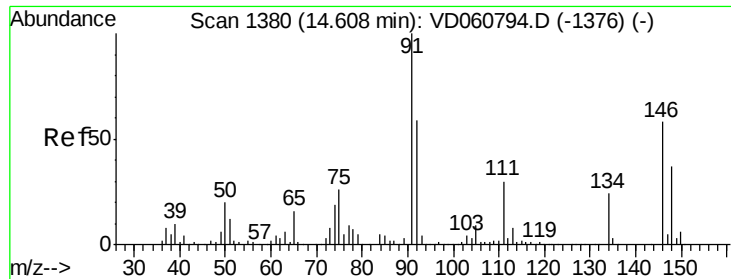
Tot Ion: 91 Resp: 391526
Ion Ratio Lower Upper
91 100
92 55.7 28.5 85.5
134 21.3 10.0 29.8



#90
Hexachloroethane
Concen: 18.900 ug/l
RT: 14.80 min Scan# 1399
Delta R.T. -0.02 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Tgt Ion: 117 Resp: 106929
Ion Ratio Lower Upper
117 100
201 69.6 43.0 128.8

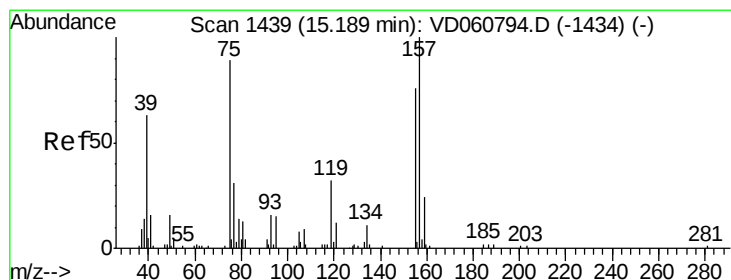
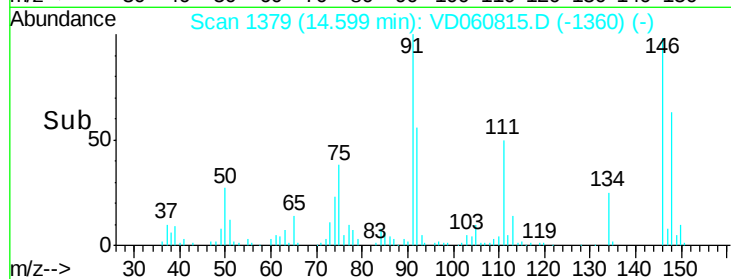
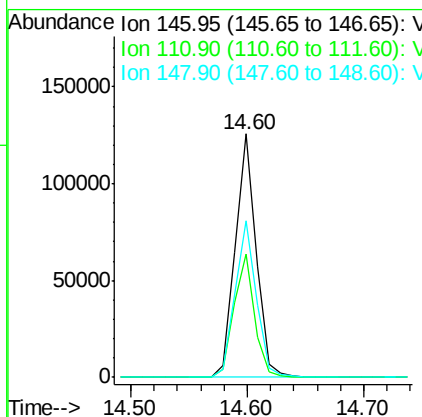
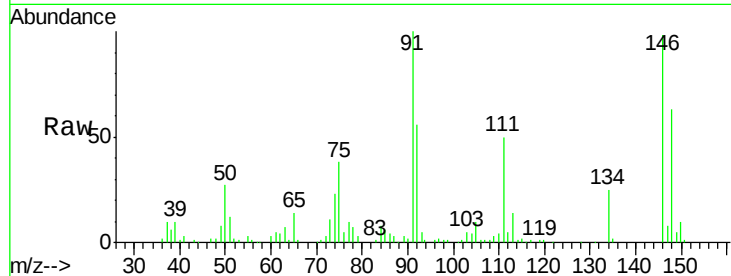




#91
 1,2-Dichlorobenzene
 Concen: 17.867 ug/l
 RT: 14.60 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

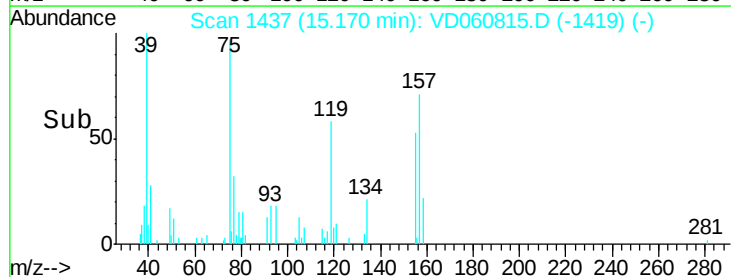
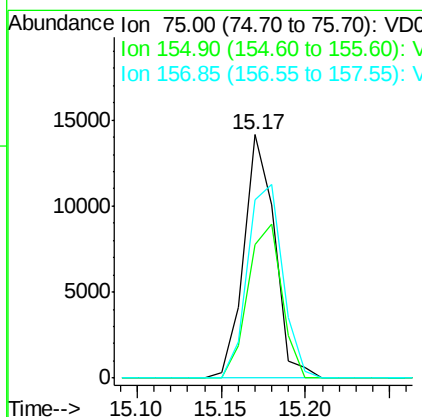
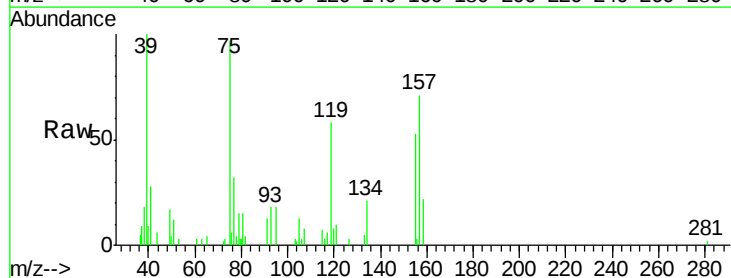
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBSD01

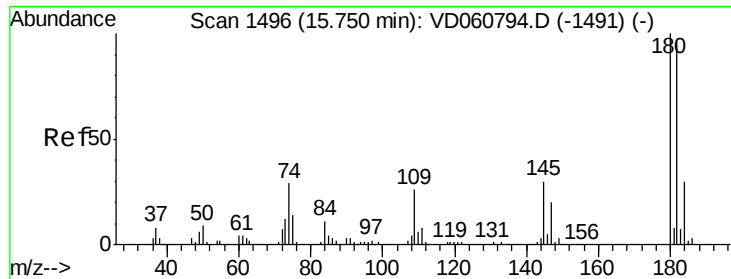
Tot Ion:146 Resp: 155741
 Ion Ratio Lower Upper
 146 100
 111 50.7 25.6 76.8
 148 64.1 31.4 94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.099 ug/l
 RT: 15.17 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Tgt Ion: 75 Resp: 17882
 Ion Ratio Lower Upper
 75 100
 155 54.7 43.0 129.0
 157 73.1 56.3 168.9

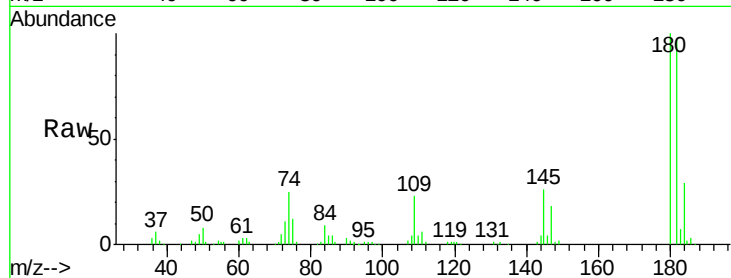




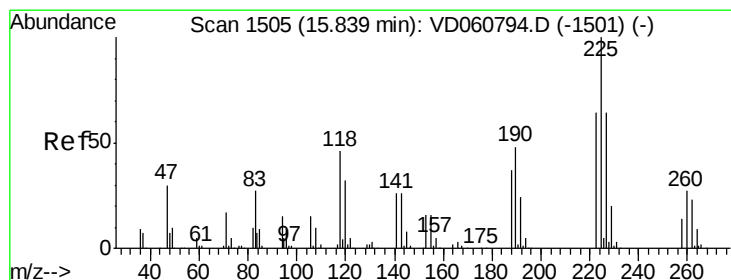
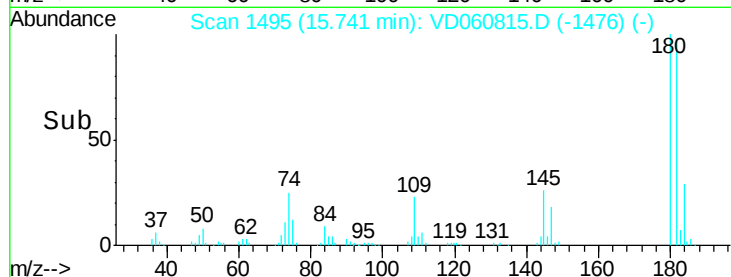
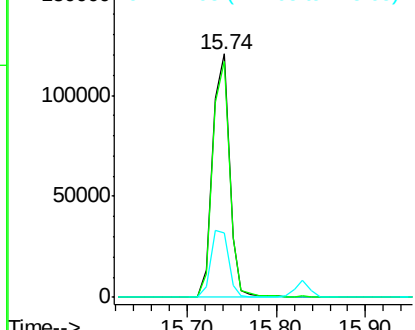
#93
 1,2,4-Trichlorobenzene
 Concen: 21.139 ug/l
 RT: 15.74 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0201SBS01

Tot Ion:180 Resp: 159549
 Ion Ratio Lower Upper
 180 100
 182 97.1 47.9 143.7
 145 26.4 15.0 45.1

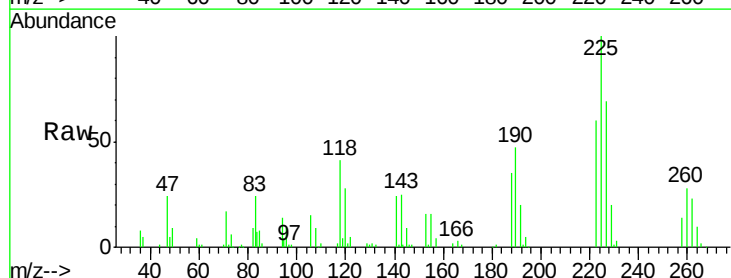


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

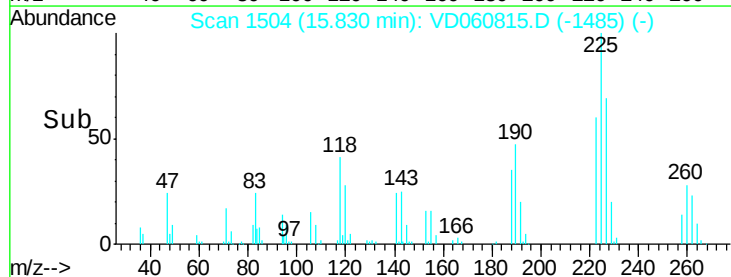
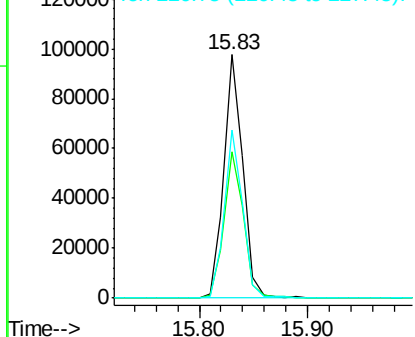


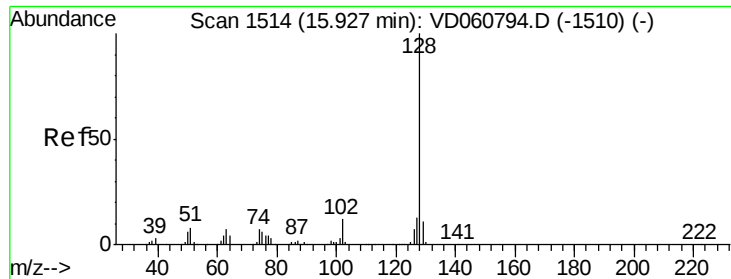
#94
 Hexachlorobutadiene
 Concen: 20.903 ug/l
 RT: 15.83 min Scan# 1504
 Delta R.T. -0.01 min
 Lab File: VD060815.D
 Acq: 1 Feb 2019 13:17

Tgt Ion:225 Resp: 118372
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.8 95.4
 227 69.3 31.9 95.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

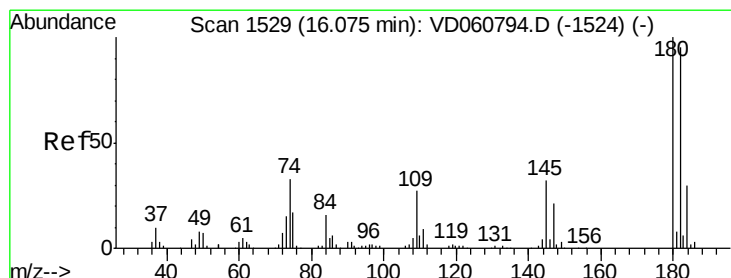
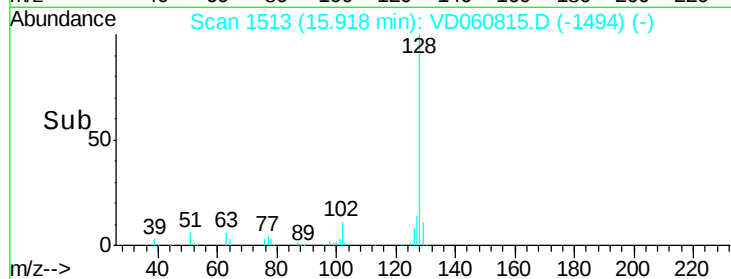
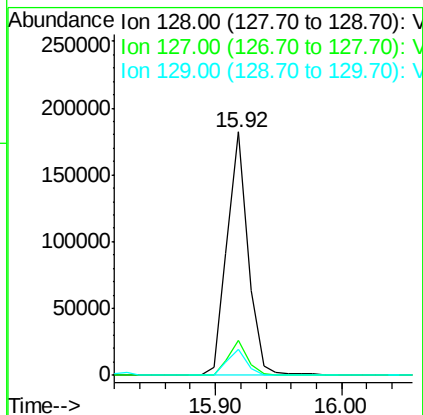
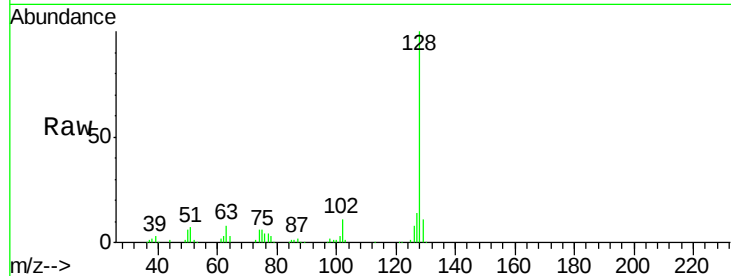




#95
Naphthalene
Concen: 18.162 ug/l
RT: 15.92 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0201SBSD01

Tot Ion:128 Resp: 210618
Ion Ratio Lower Upper
128 100
127 14.3 10.4 15.6
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.031 ug/l
RT: 16.07 min Scan# 1528
Delta R.T. -0.01 min
Lab File: VD060815.D
Acq: 1 Feb 2019 13:17

Tgt Ion:180 Resp: 124905
Ion Ratio Lower Upper
180 100
182 98.2 47.4 142.3
145 29.7 15.8 47.4

