

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060529.D
 Acq On : 11 Dec 2018 12:14
 Operator : VA/AP
 Sample : VD1211SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

Quant Time: Dec 12 03:11:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1568000	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2151264	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1716408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	892079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	617196	55.53	ug/l	0.00
Spiked Amount						
			Recovery	=	111.06%	
35) Dibromofluoromethane	6.33	113	866503	54.84	ug/l	0.00
Spiked Amount						
			Recovery	=	109.68%	
50) Toluene-d8	9.46	98	2506753	54.82	ug/l	0.00
Spiked Amount						
			Recovery	=	109.64%	
62) 4-Bromofluorobenzene	12.42	95	872205	53.31	ug/l	-0.01
Spiked Amount						
			Recovery	=	106.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	419579	24.808	ug/l	98
3) Chloromethane	1.77	50	366446	22.746	ug/l	96
4) Vinyl Chloride	1.87	62	290863	22.622	ug/l	99
5) Bromomethane	2.17	94	51385	15.975	ug/l	95
6) Chloroethane	2.28	64	71265	16.092	ug/l	98
7) Trichlorofluoromethane	2.52	101	302013	20.343	ug/l	100
8) Diethyl Ether	2.84	74	51445	20.062	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.10	101	199401	20.700	ug/l	99
10) Methyl Iodide	3.26	142	220136	19.551	ug/l	96
11) Tert butyl alcohol	4.01	59	43486	96.309	ug/l	99
12) 1,1-Dichloroethene	3.09	96	160500	20.479	ug/l	91
13) Acrolein	2.99	56	49187	99.695	ug/l	91
14) Allyl chloride	3.55	41	308935	20.776	ug/l	100
15) Acrylonitrile	4.11	53	275584	107.490	ug/l	95
16) Acetone	3.18	43	169382	95.080	ug/l	95
17) Carbon Disulfide	3.33	76	516909	20.304	ug/l	100
18) Methyl Acetate	3.56	43	88154	20.821	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	470280	21.638	ug/l	98
20) Methylene Chloride	3.73	84	357344	19.080	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	359051	21.061	ug/l	98
22) Diisopropyl ether	4.86	45	1155145	21.637	ug/l	99
23) Vinyl Acetate	4.81	43	2879250	108.849	ug/l	98
24) 1,1-Dichloroethane	4.77	63	589450	21.253	ug/l	100
25) 2-Butanone	5.63	43	372145	106.179	ug/l	97
26) 2,2-Dichloropropane	5.59	77	468836	21.881	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	364828	21.047	ug/l	97
28) Bromochloromethane	5.94	49	246026	20.024	ug/l	97
29) Tetrahydrofuran	5.97	42	214116	107.881	ug/l	98
30) Chloroform	6.10	83	589414	21.094	ug/l	97
31) Cyclohexane	6.37	56	563044	21.561	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	489550	21.312	ug/l	99
36) 1,1-Dichloropropene	6.53	75	457831	21.772	ug/l	100
37) Ethyl Acetate	5.70	43	202831	22.241	ug/l	98
38) Carbon Tetrachloride	6.51	117	414942	21.980	ug/l	98

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Quant Time: Dec 12 03:11:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	514204	21.450	ug/l	99
40) Benzene	6.80	78	1154847	21.489	ug/l	99
41) Methacrylonitrile	5.96	41	231377	47.065	ug/l #	69
42) 1,2-Dichloroethane	6.90	62	296742	21.717	ug/l	98
43) Isopropyl Acetate	8.35	43	259866	23.084	ug/l #	98
44) Trichloroethene	7.75	130	340657	21.211	ug/l	99
45) 1,2-Dichloropropane	8.10	63	280790	21.125	ug/l	95
46) Dibromomethane	8.22	93	164971	21.482	ug/l	98
47) Bromodichloromethane	8.50	83	391966	21.511	ug/l	100
48) Methyl methacrylate	8.25	41	151062	22.679	ug/l	99
49) 1,4-Dioxane	8.23	88	28526	472.515	ug/l	92
51) 4-Methyl-2-Pentanone	9.34	43	768909	109.803	ug/l	99
52) Toluene	9.55	92	731944	21.791	ug/l	97
53) t-1,3-Dichloropropene	9.92	75	327115	21.848	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	423899	21.549	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	197904	21.157	ug/l	96
56) Ethyl methacrylate	10.03	69	187524	22.151	ug/l	98
57) 1,3-Dichloropropane	10.38	76	316908	21.916	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	590447	116.565	ug/l	99
59) 2-Hexanone	10.49	43	551104	112.592	ug/l	99
60) Dibromochloromethane	10.64	129	252336	21.576	ug/l	99
61) 1,2-Dibromoethane	10.76	107	210151	22.045	ug/l	98
64) Tetrachloroethene	10.26	164	315796	20.778	ug/l	100
65) Chlorobenzene	11.31	112	798903	22.001	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.42	131	257540	22.005	ug/l	99
67) Ethyl Benzene	11.43	91	1366481	22.062	ug/l	98
68) m/p-Xylenes	11.57	106	1018356	44.443	ug/l	94
69) o-Xylene	11.93	106	475774	21.787	ug/l	92
70) Styrene	11.96	104	756681	21.588	ug/l	99
71) Bromoform	12.12	173	164053	21.010	ug/l	99
73) Isopropylbenzene	12.27	105	1334980	21.148	ug/l	100
74) N-amyl acetate	12.14	43	329015	21.565	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	211825	20.960	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	215268	21.297	ug/l	100
77) Bromobenzene	12.54	156	340197	20.502	ug/l	99
78) n-propylbenzene	12.64	91	1688220	21.156	ug/l	98
79) 2-Chlorotoluene	12.71	91	917675	21.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	1054077	21.852	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	59308	21.038	ug/l	96
82) 4-Chlorotoluene	12.81	91	1054970	21.692	ug/l	88
83) tert-Butylbenzene	13.04	119	1143675	21.146	ug/l	89
84) 1,2,4-Trimethylbenzene	13.09	105	1057794	21.179	ug/l	99
85) sec-Butylbenzene	13.22	105	1396123	20.711	ug/l	99
86) p-Isopropyltoluene	13.34	119	1135352	21.247	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	633145	21.074	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	605008	20.527	ug/l	95
89) n-Butylbenzene	13.64	91	1220024	20.544	ug/l	97
90) Hexachloroethane	13.86	117	265768	19.837	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	533853	21.744	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	26173	21.374	ug/l	94

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

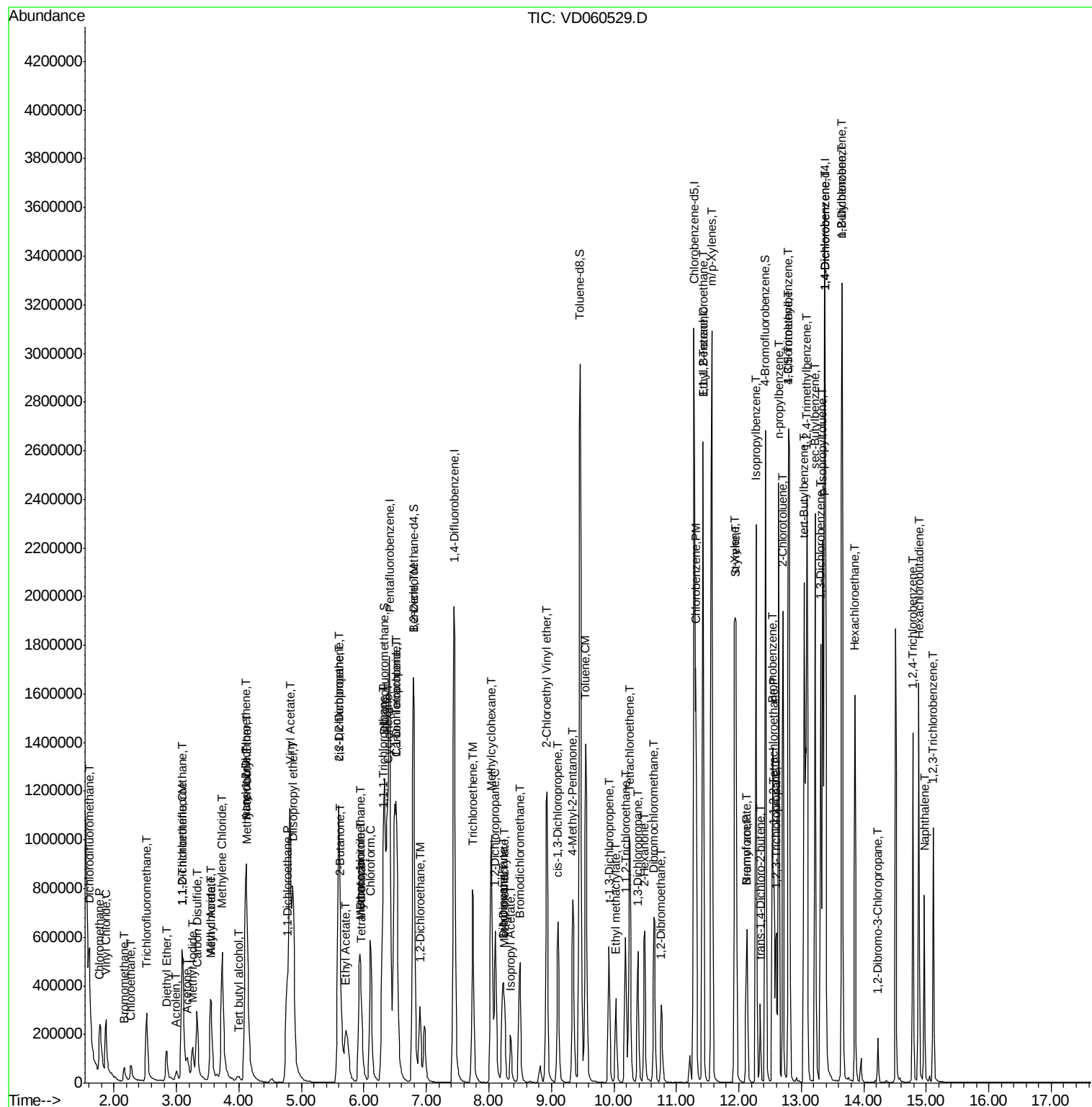
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	397923	20.732	ug/l	96
94) Hexachlorobutadiene	14.88	225	287696	20.316	ug/l	98
95) Naphthalene	14.97	128	477549	20.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	318162	20.804	ug/l	98

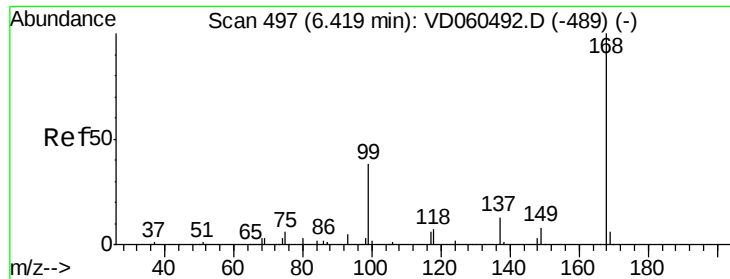
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ClientSampleID :
 VD1211SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

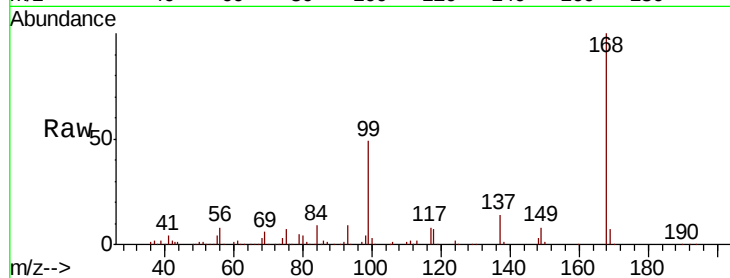
VD1211SBSD01

Tot Ion:168 Resp: 1568000

Ion Ratio Lower Upper

168 100

99 49.4 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

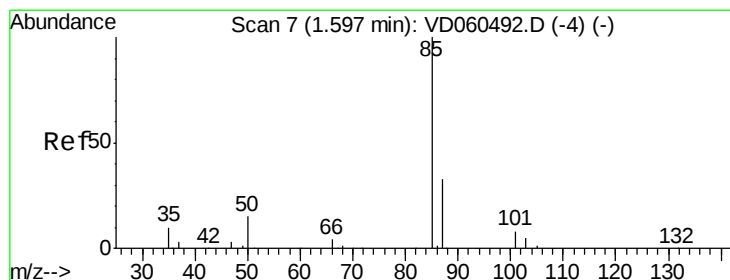
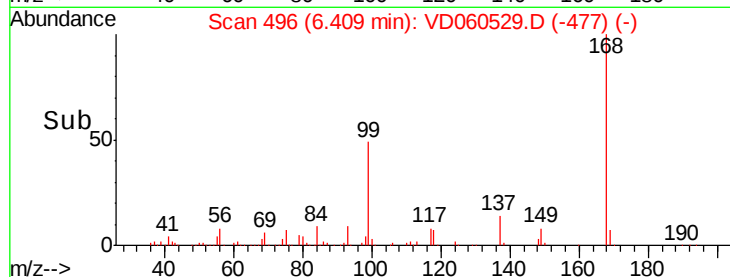
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.808 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060529.D

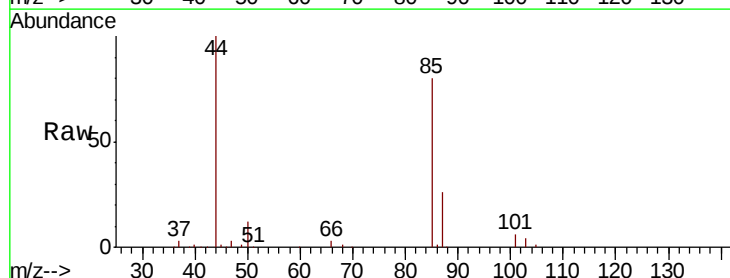
Acq: 11 Dec 2018 12:14

Tgt Ion: 85 Resp: 419579

Ion Ratio Lower Upper

85 100

87 32.3 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

200000

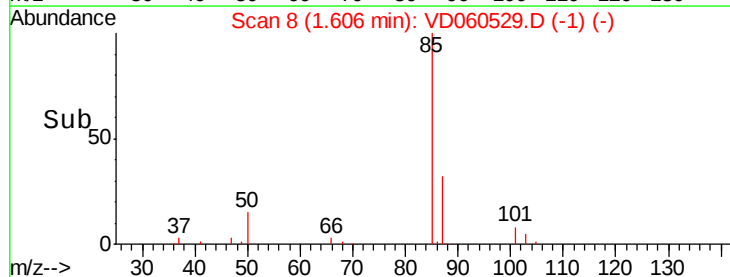
150000

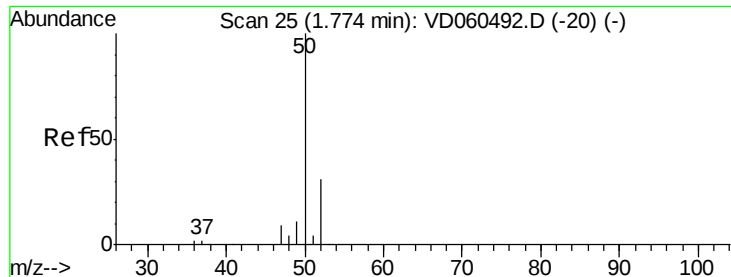
100000

50000

0

Time-->





#3

Chloromethane

Concen: 22.746 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

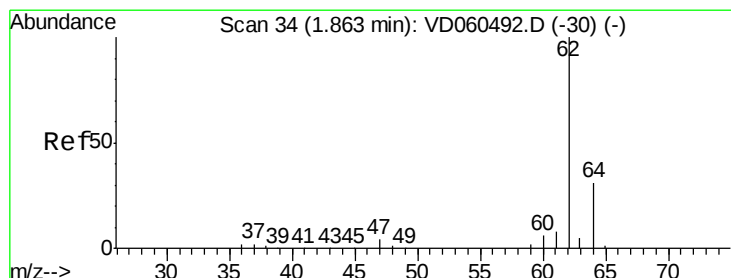
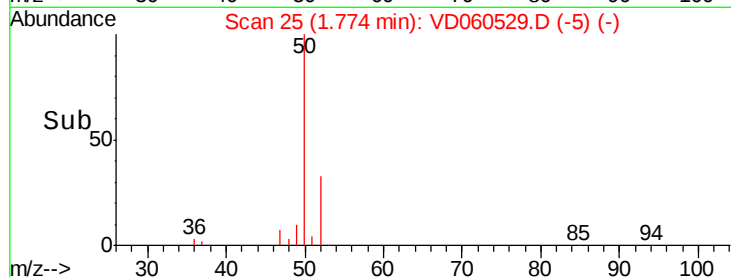
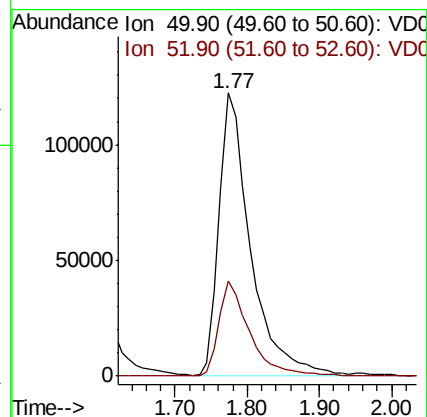
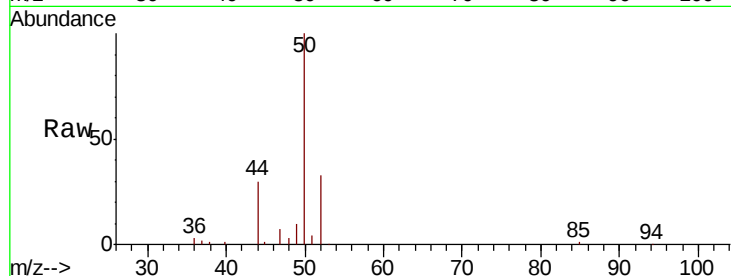
VD1211SBS01

Tot Ion: 50 Resp: 366446

Ion Ratio Lower Upper

50 100

52 33.4 25.0 37.4



#4

Vinyl Chloride

Concen: 22.622 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060529.D

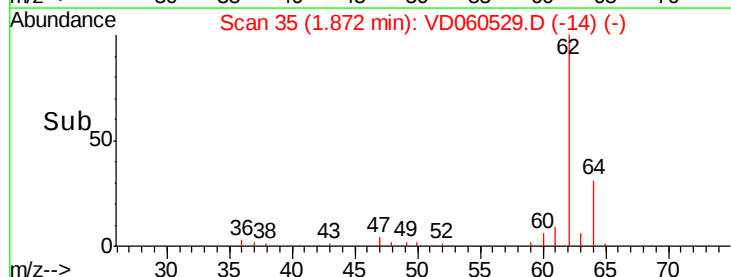
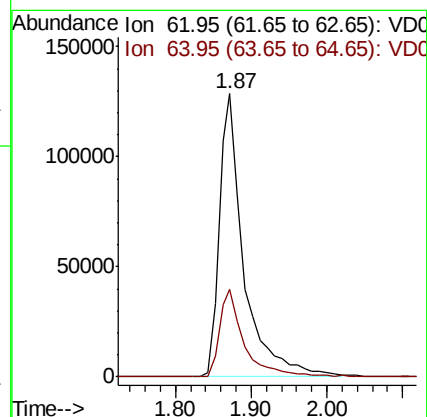
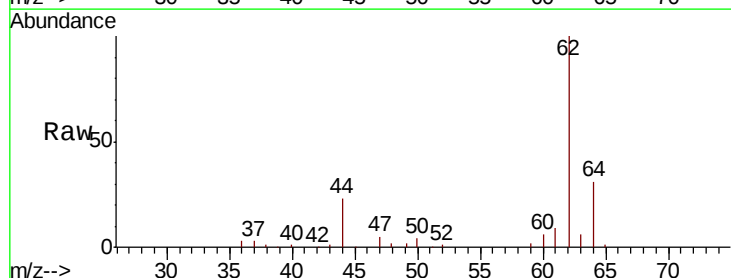
Acq: 11 Dec 2018 12:14

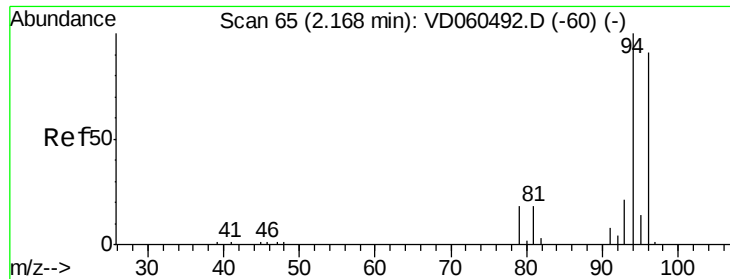
Tgt Ion: 62 Resp: 290863

Ion Ratio Lower Upper

62 100

64 31.1 24.6 37.0





#5

Bromomethane

Concen: 15.975 ug/l

RT: 2.17 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

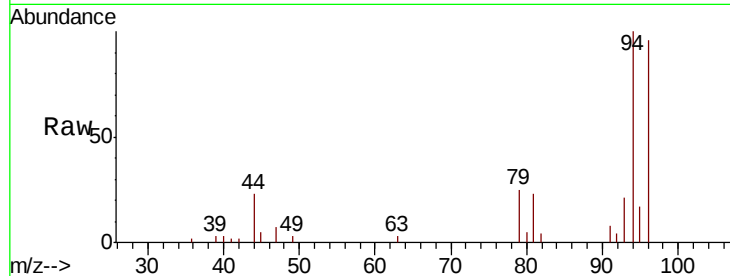
VD1211SBS01

Tot Ion: 94 Resp: 51385

Ion Ratio Lower Upper

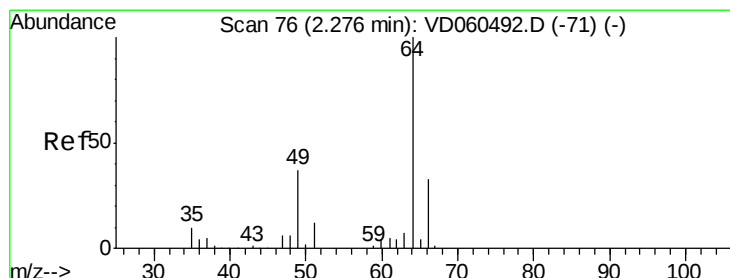
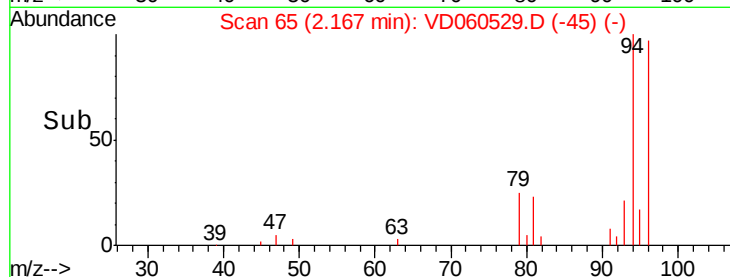
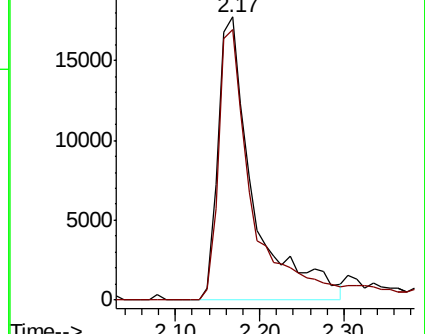
94 100

96 95.6 72.6 108.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.092 ug/l

RT: 2.28 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060529.D

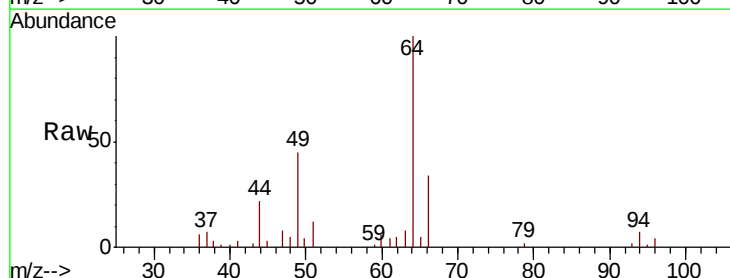
Acq: 11 Dec 2018 12:14

Tgt Ion: 64 Resp: 71265

Ion Ratio Lower Upper

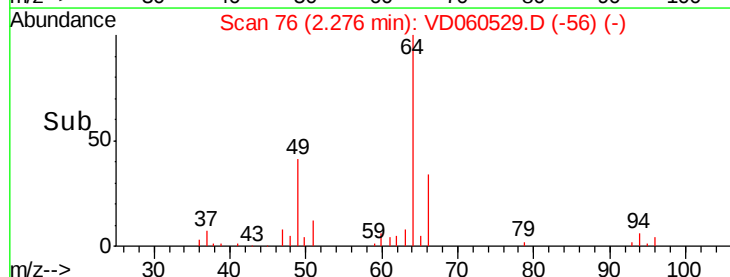
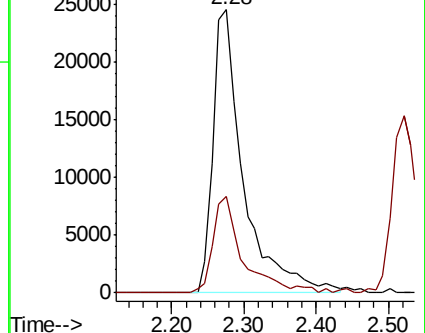
64 100

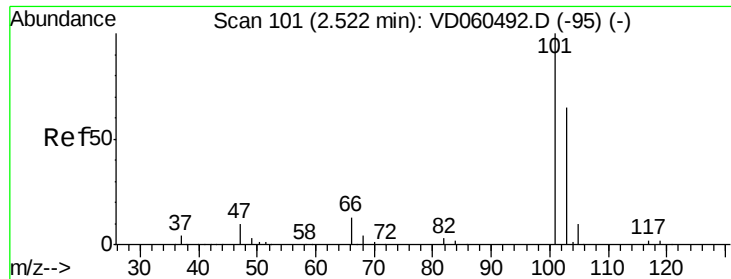
66 33.9 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



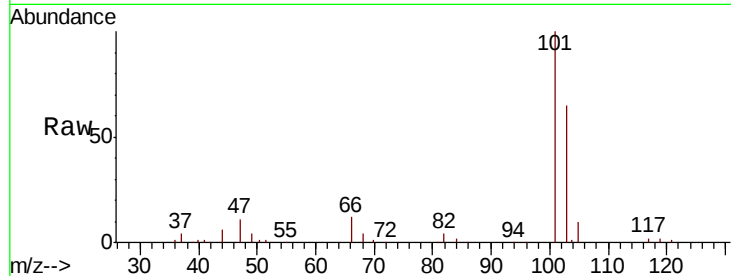


#7

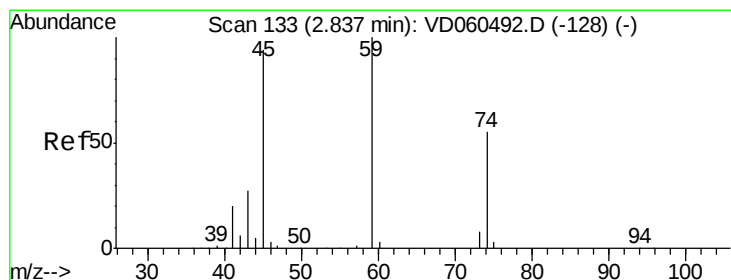
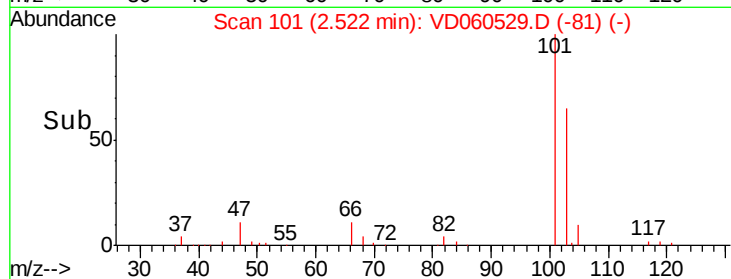
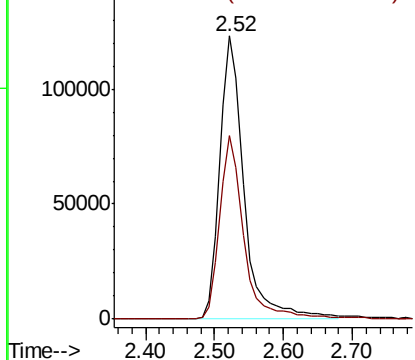
Trichlorofluoromethane
Concen: 20.343 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion:101 Resp: 302013
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8



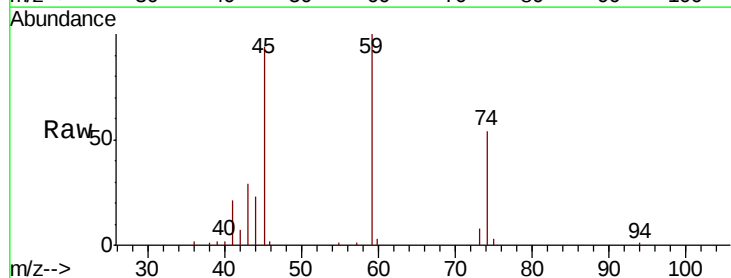
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



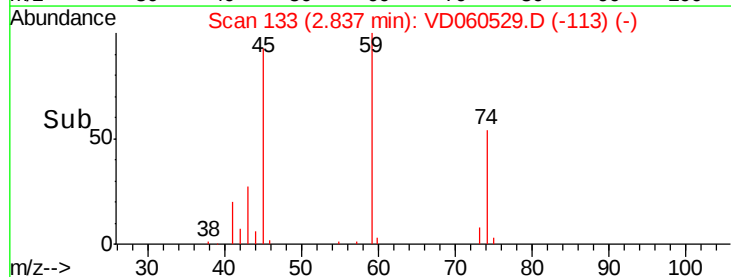
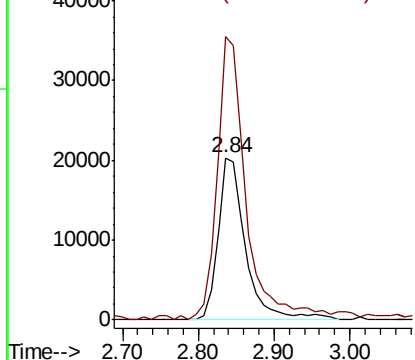
#8

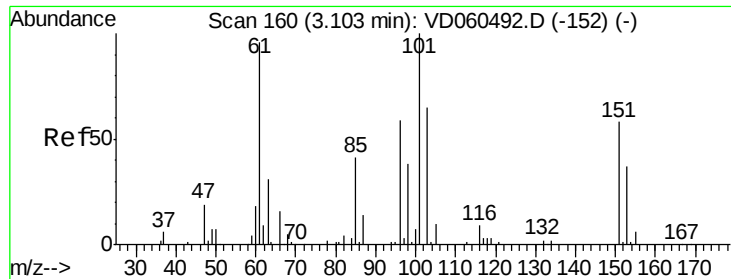
Diethyl Ether
Concen: 20.062 ug/l
RT: 2.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 74 Resp: 51445
Ion Ratio Lower Upper
74 100
45 174.5 86.0 258.0



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: 20.700 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

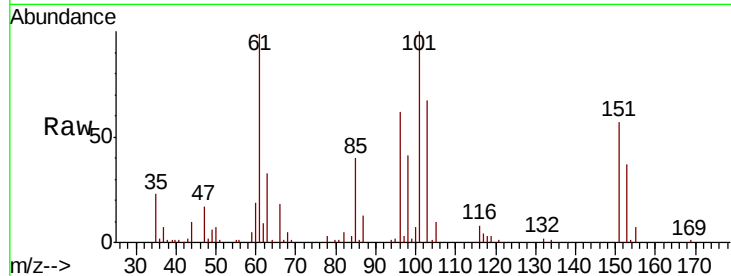
Tot Ion:101 Resp: 199401

Ion Ratio Lower Upper

101 100

85 40.5 32.7 49.1

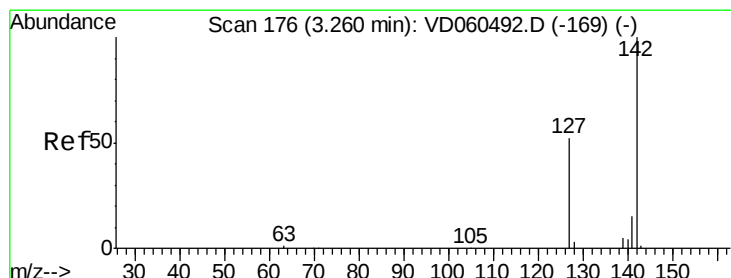
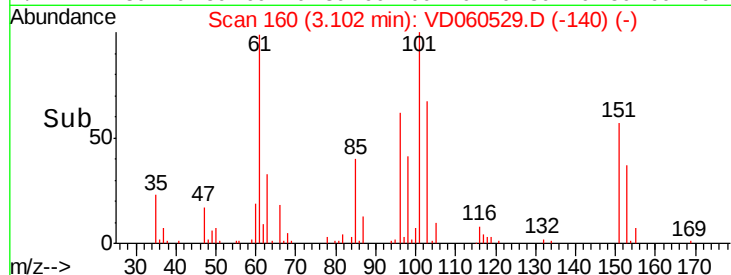
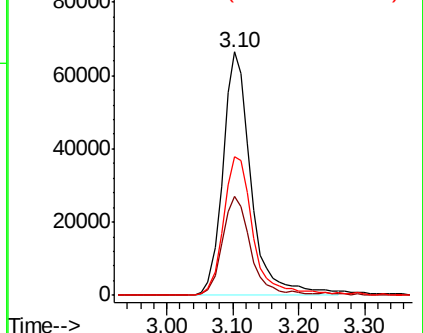
151 57.2 46.6 69.8



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: 19.551 ug/l

RT: 3.26 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

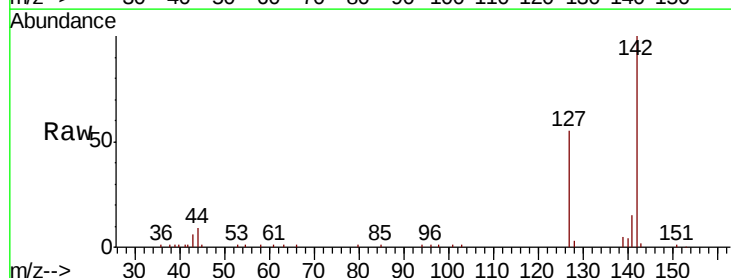
Tgt Ion:142 Resp: 220136

Ion Ratio Lower Upper

142 100

127 54.7 41.2 61.8

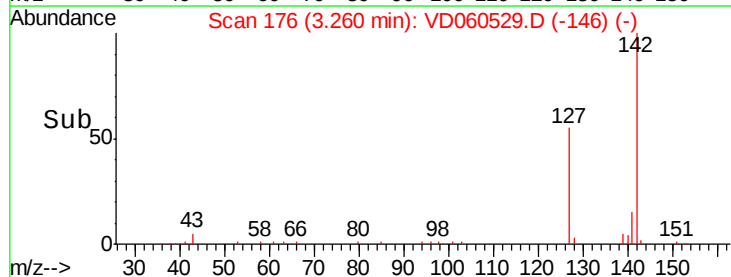
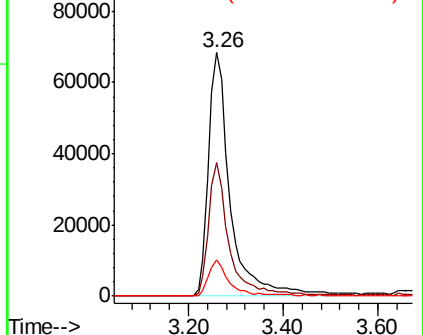
141 15.1 11.9 17.9

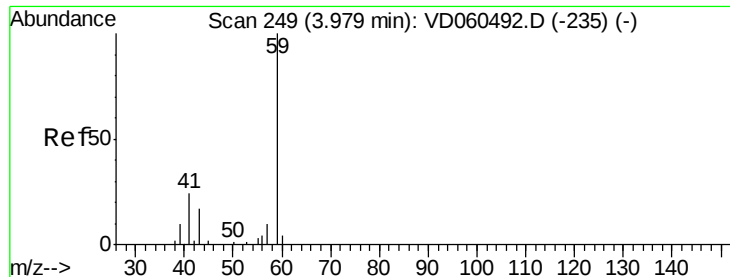


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

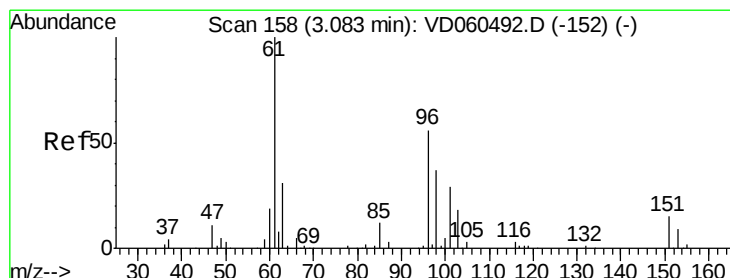
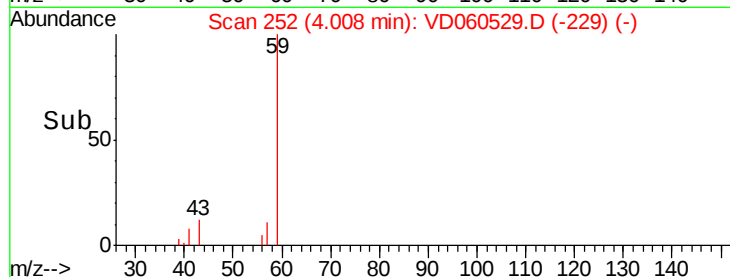
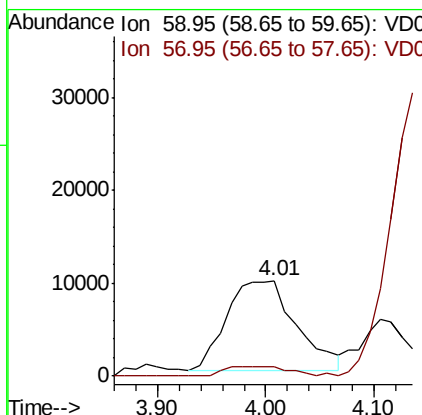
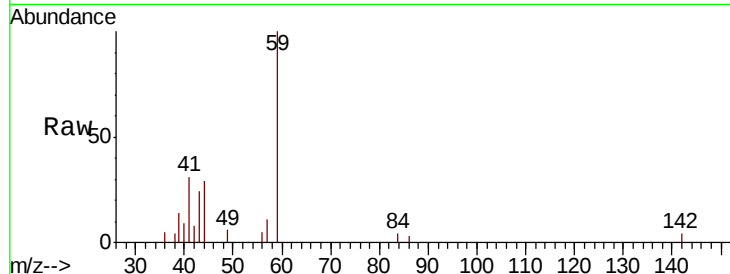




#11
Tert butyl alcohol
Concen: 96.309 ug/l
RT: 4.01 min Scan# 252
Delta R.T. 0.03 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

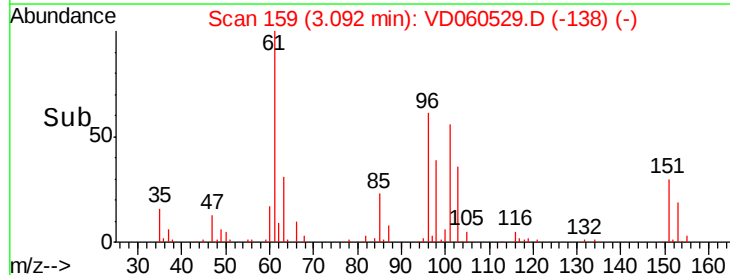
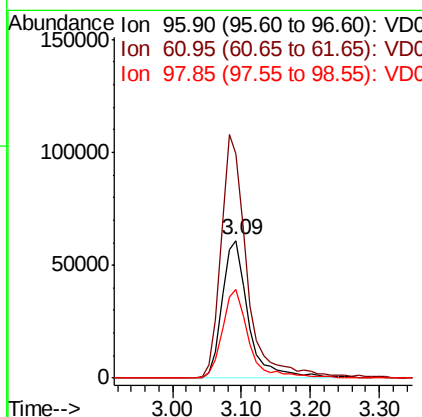
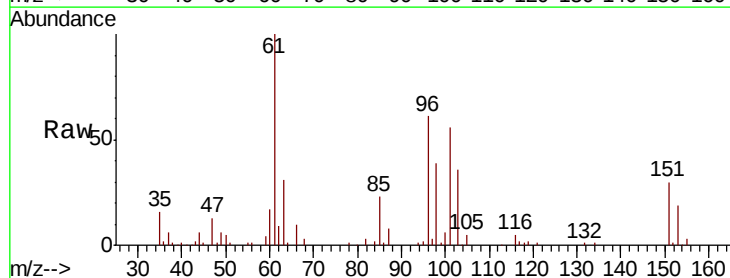
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

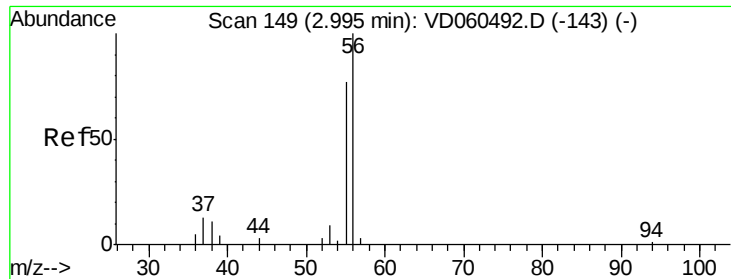
Tot Ion: 59 Resp: 43486
Ion Ratio Lower Upper
59 100
57 10.6 8.1 12.1



#12
1,1-Dichloroethene
Concen: 20.479 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 96 Resp: 160500
Ion Ratio Lower Upper
96 100
61 162.7 143.0 214.4
98 64.0 53.4 80.0

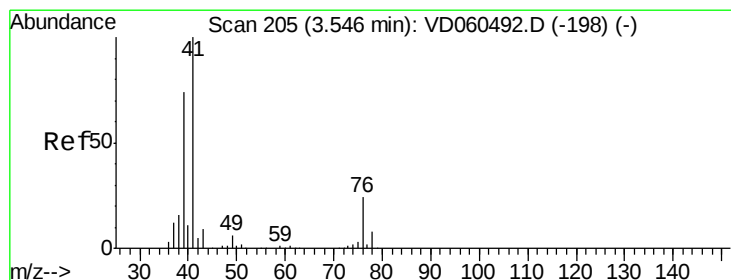
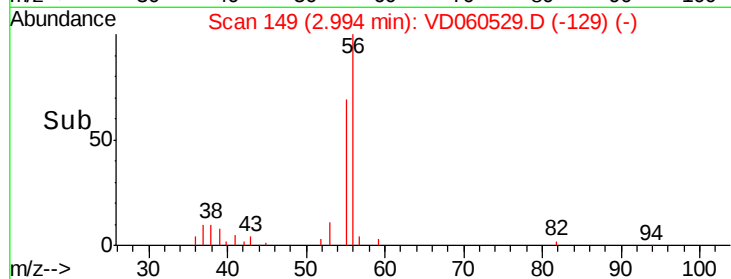
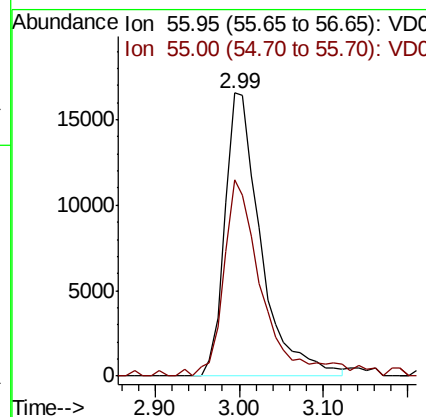
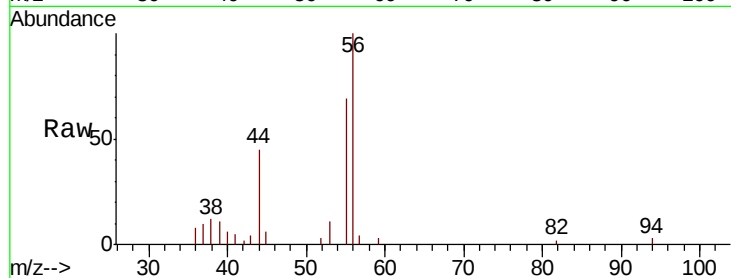




#13
Acrolein
Concen: 99.695 ug/l
RT: 2.99 min Scan# 149
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

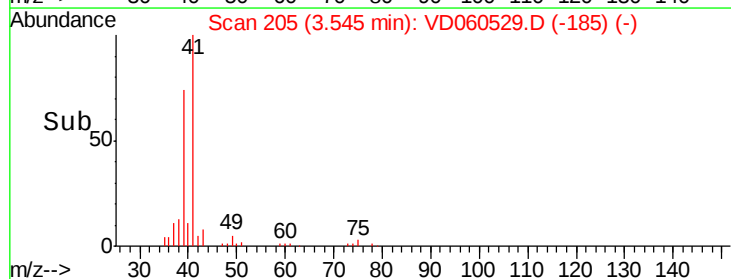
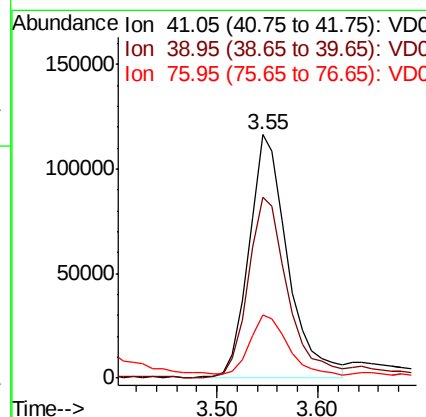
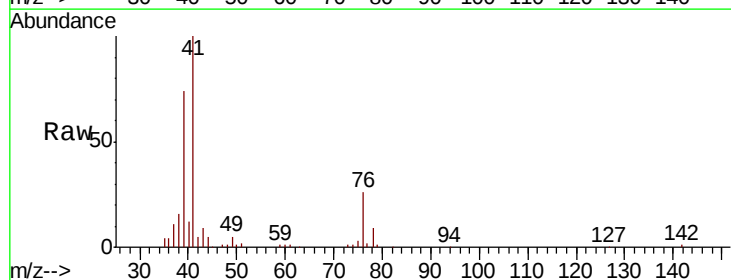
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

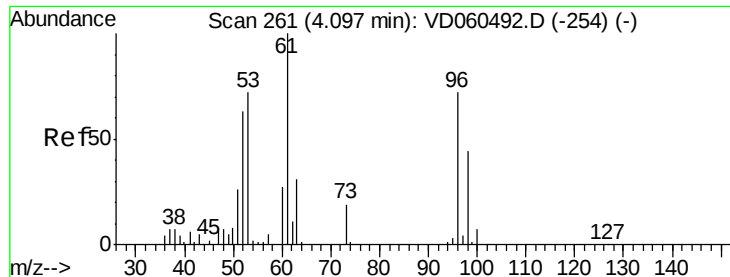
Tot Ion: 56 Resp: 49187
Ion Ratio Lower Upper
56 100
55 69.3 62.0 93.0



#14
Allyl chloride
Concen: 20.776 ug/l
RT: 3.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 41 Resp: 308935
Ion Ratio Lower Upper
41 100
39 74.3 59.3 88.9
76 25.7 21.0 31.6





#15

Acrylonitrile

Concen: 107.490 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

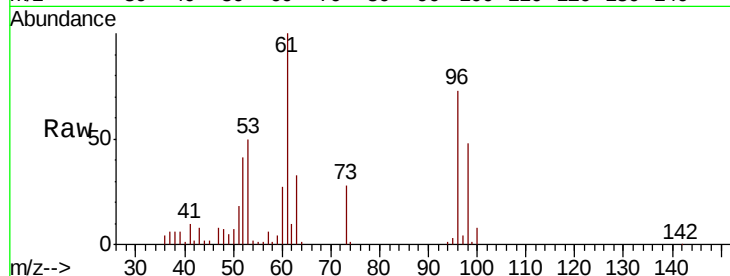
Tot Ion: 53 Resp: 275584

Ion Ratio Lower Upper

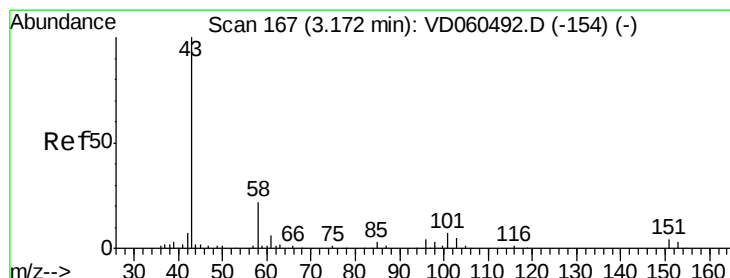
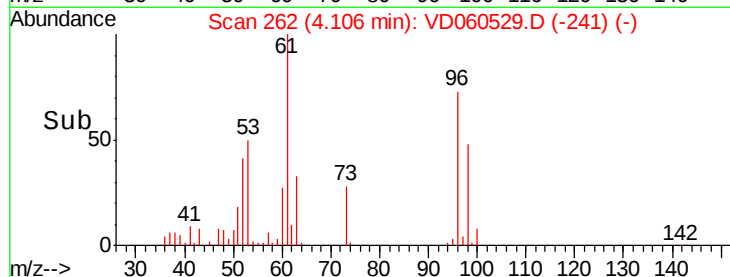
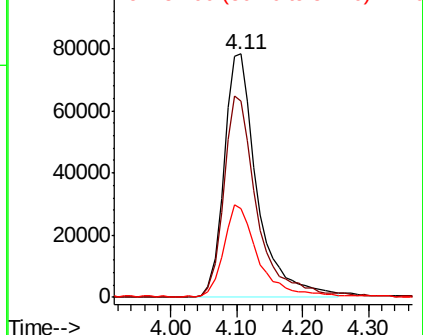
53 100

52 80.8 70.0 105.0

51 36.7 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 95.080 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060529.D

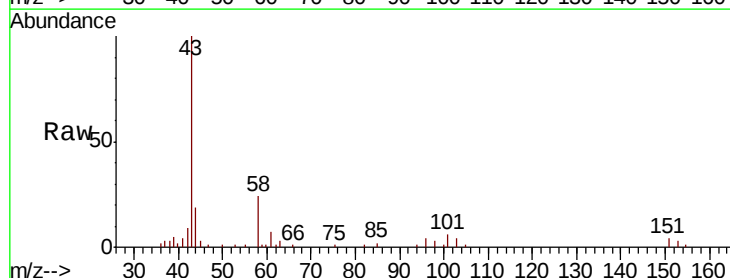
Acq: 11 Dec 2018 12:14

Tgt Ion: 43 Resp: 169382

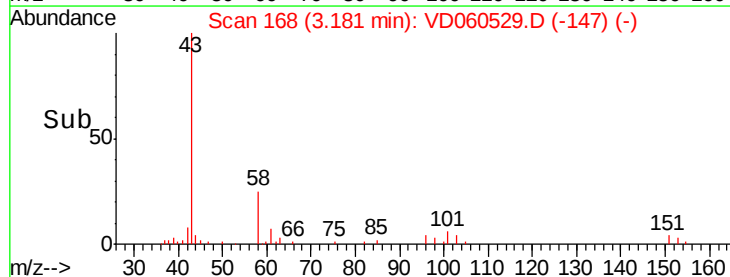
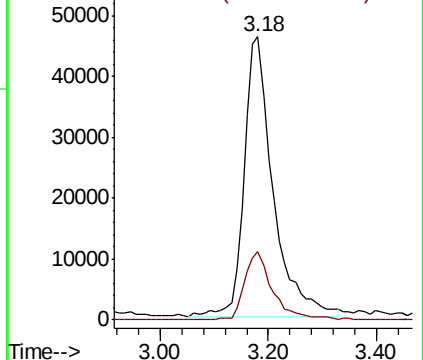
Ion Ratio Lower Upper

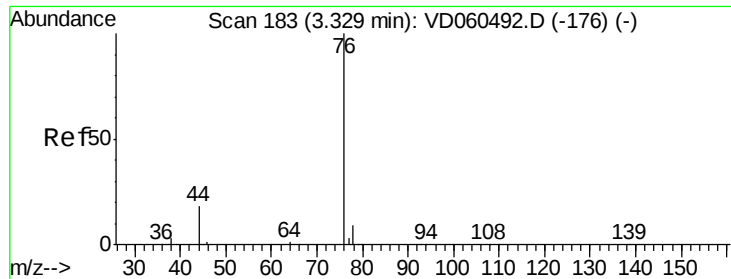
43 100

58 24.1 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

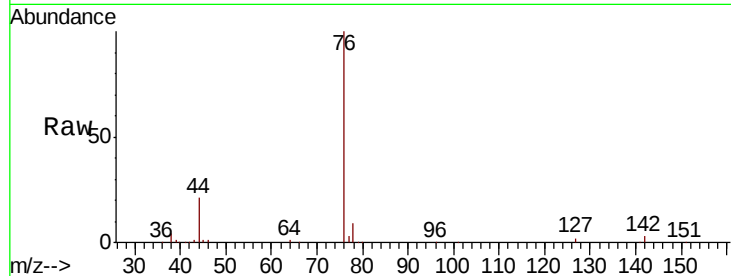




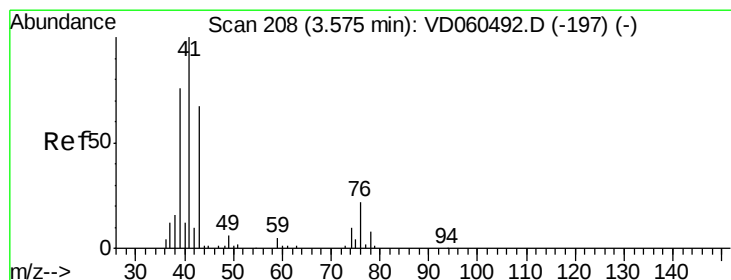
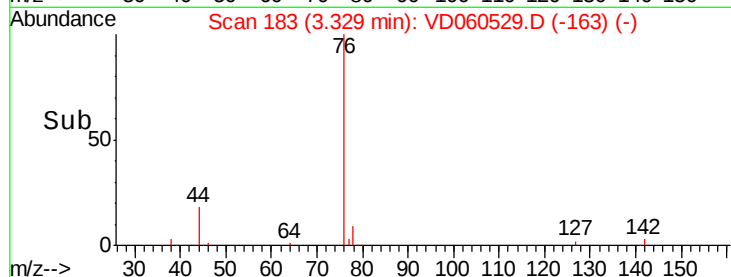
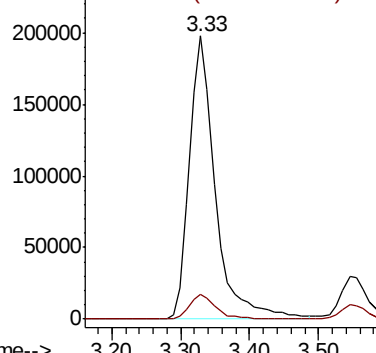
#17
Carbon Disulfide
Concen: 20.304 ug/l
RT: 3.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion: 76 Resp: 516909
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

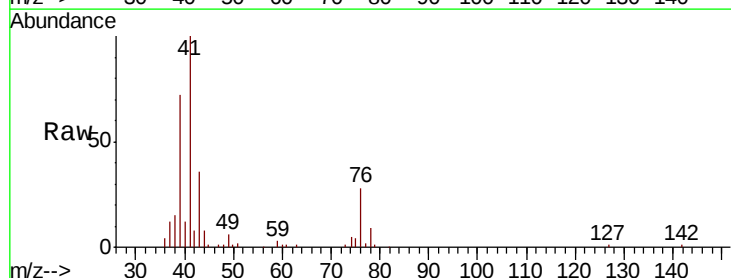


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

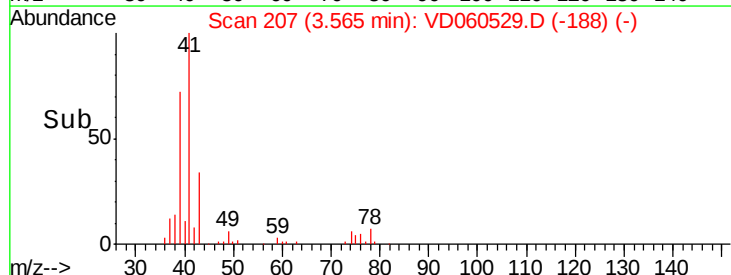
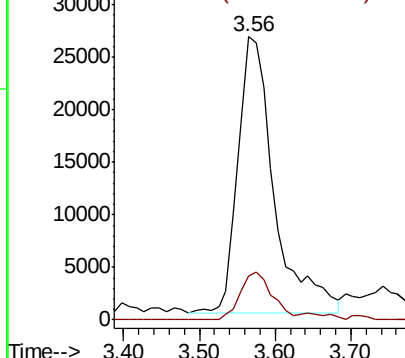


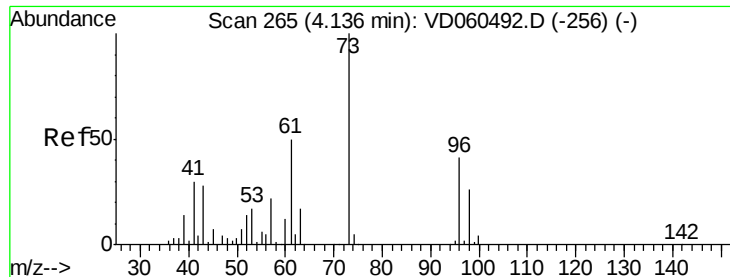
#18
Methyl Acetate
Concen: 20.821 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 43 Resp: 88154
Ion Ratio Lower Upper
43 100
74 15.4 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

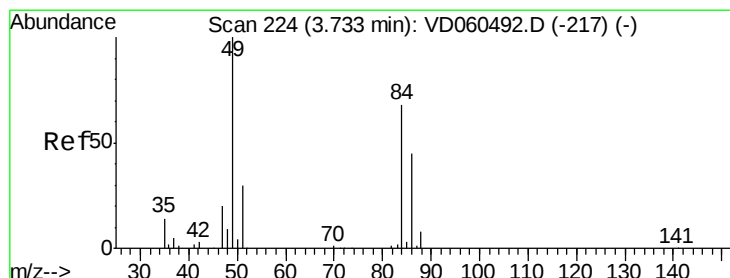
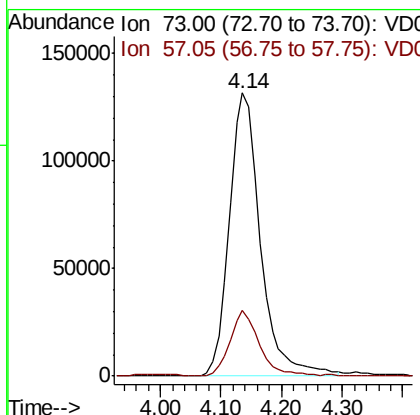
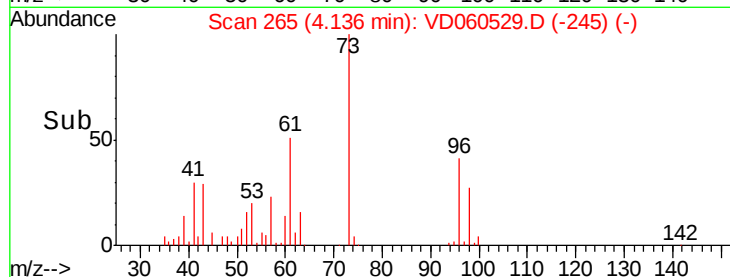
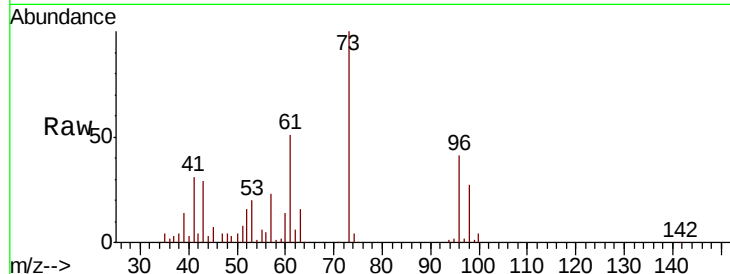




#19
Methyl tert-butyl Ether
Concen: 21.638 ug/l
RT: 4.14 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

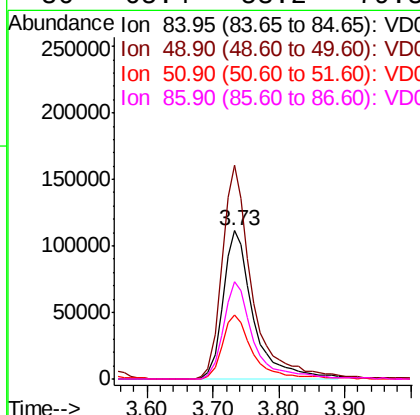
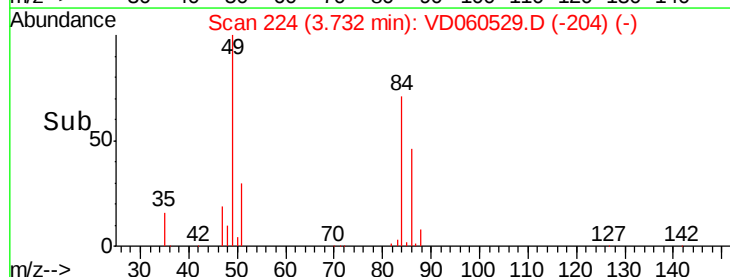
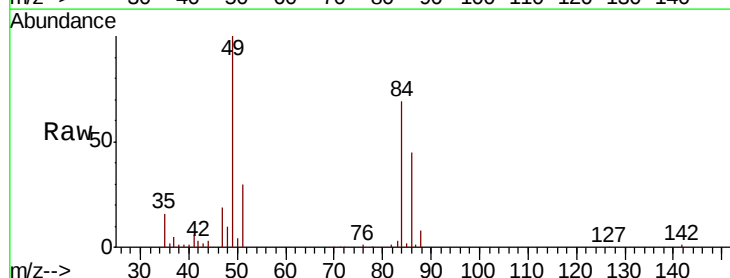
Instrument :
MSVOA_D
ClientSampleID :
VD1211SBS01

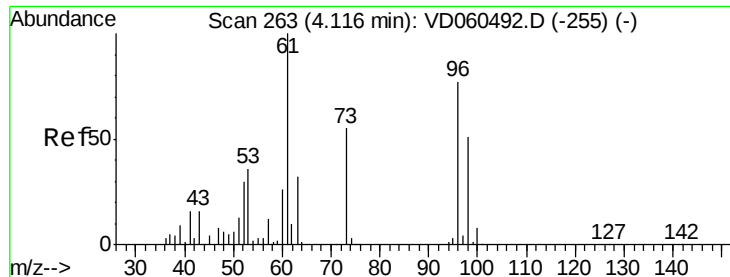
Tot Ion: 73 Resp: 470280
Ion Ratio Lower Upper
73 100
57 23.2 17.8 26.6



#20
Methylene Chloride
Concen: 19.080 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 84 Resp: 357344
Ion Ratio Lower Upper
84 100
49 144.2 117.2 175.8
51 42.8 35.3 52.9
86 65.4 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.061 ug/l

RT: 4.12 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

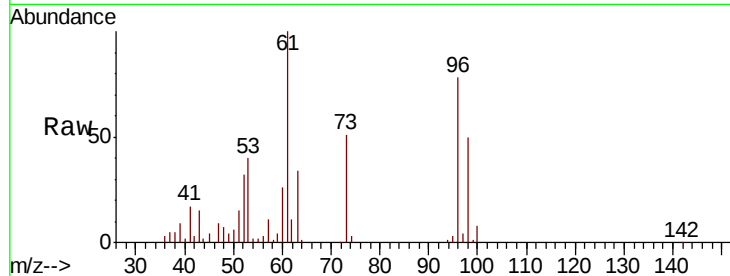
Tot Ion: 96 Resp: 359051

Ion Ratio Lower Upper

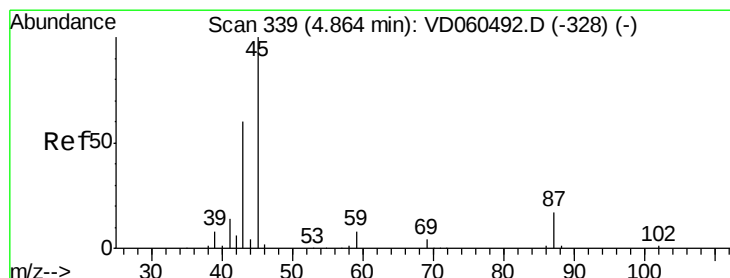
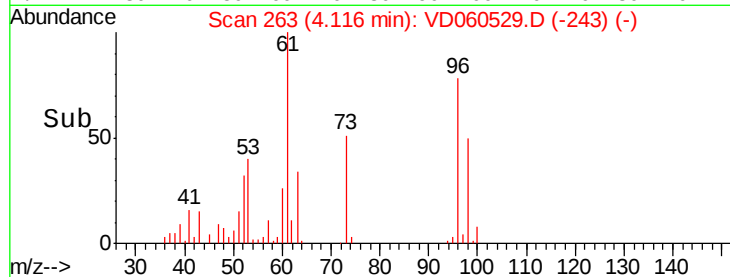
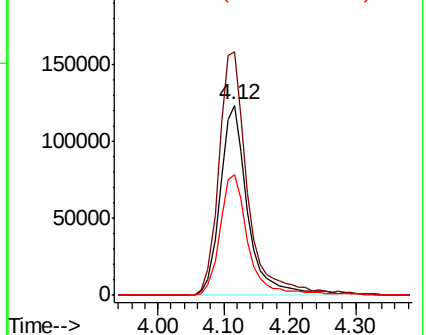
96 100

61 128.0 104.2 156.4

98 63.7 52.8 79.2



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: 21.637 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Tgt Ion: 45 Resp: 1155145

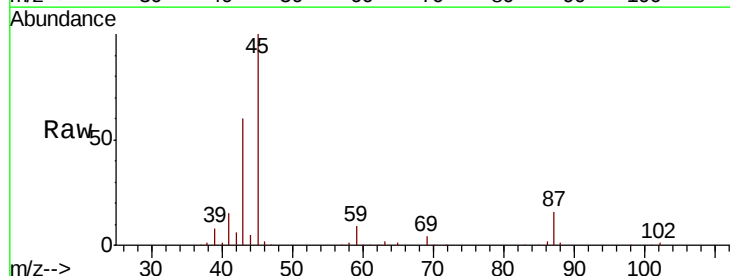
Ion Ratio Lower Upper

45 100

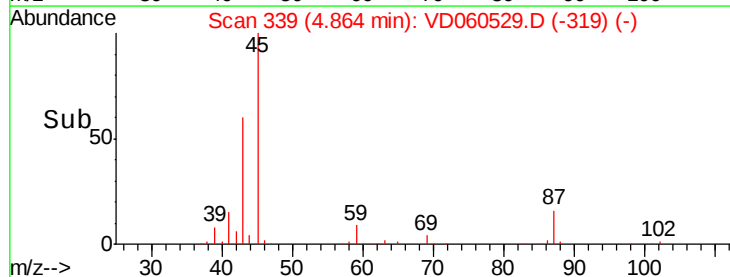
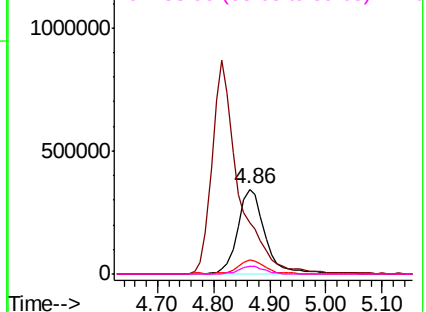
43 60.2 48.6 73.0

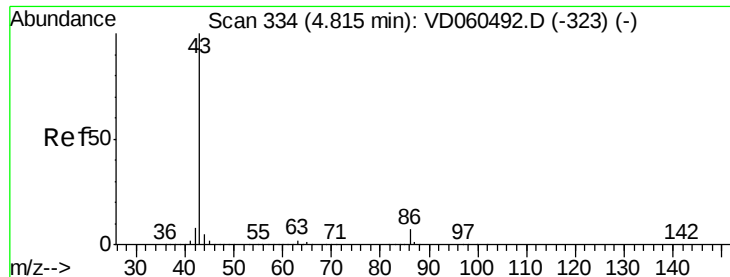
87 16.2 14.0 21.0

59 8.7 6.9 10.3



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: 108.849 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

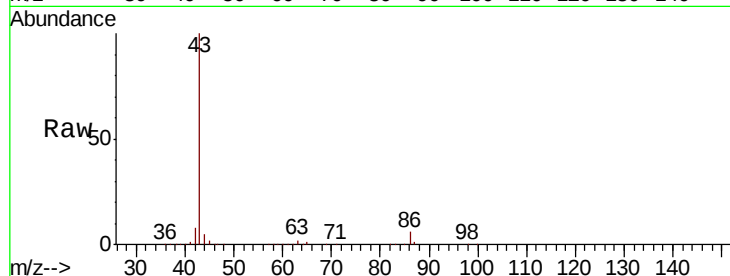
VD1211SBSD01

Tot Ion: 43 Resp: 2879250

Ion Ratio Lower Upper

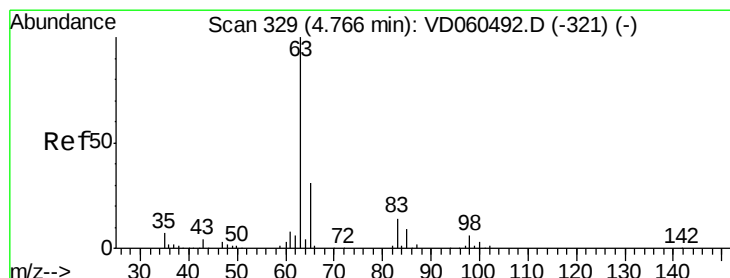
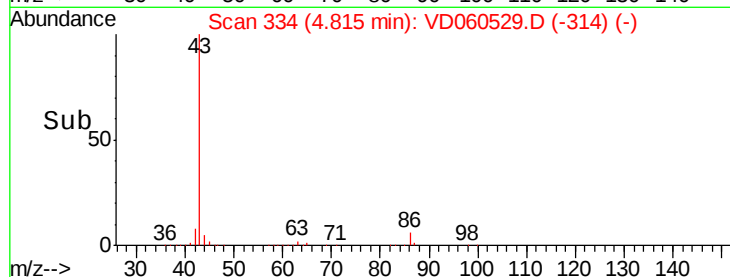
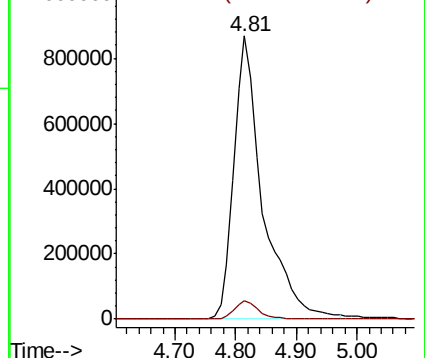
43 100

86 6.4 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.253 ug/l

RT: 4.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

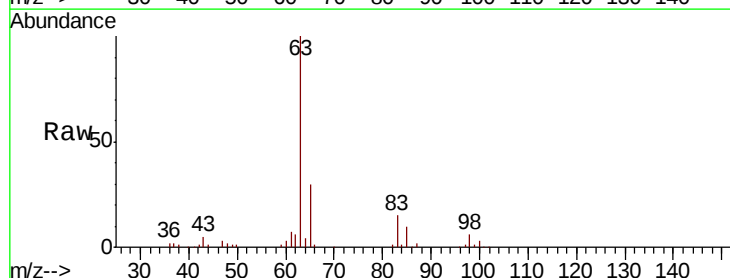
Tgt Ion: 63 Resp: 589450

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

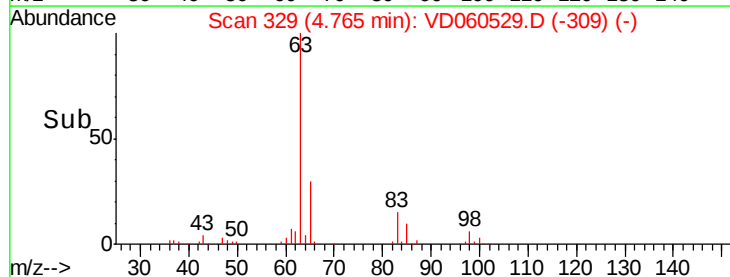
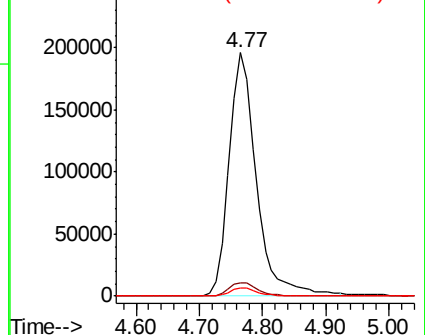
100 3.3 1.7 5.1

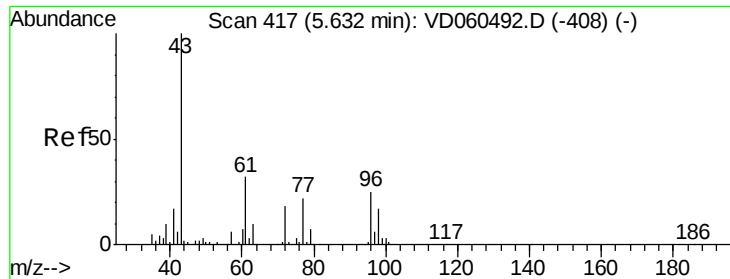


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 106.179 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

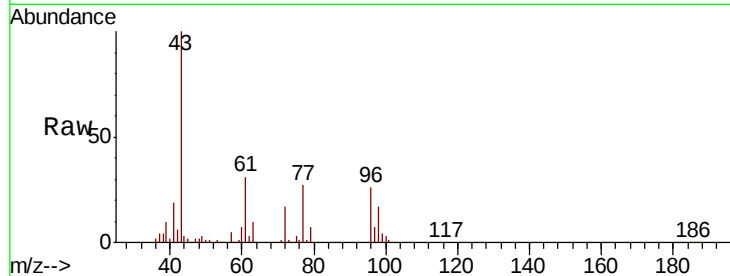
VD1211SBSD01

Tot Ion: 43 Resp: 372145

Ion Ratio Lower Upper

43 100

72 16.8 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

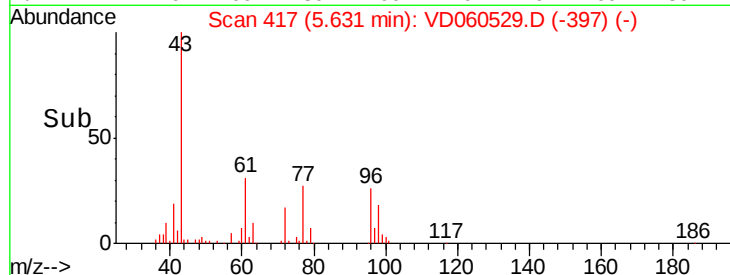
100000

50000

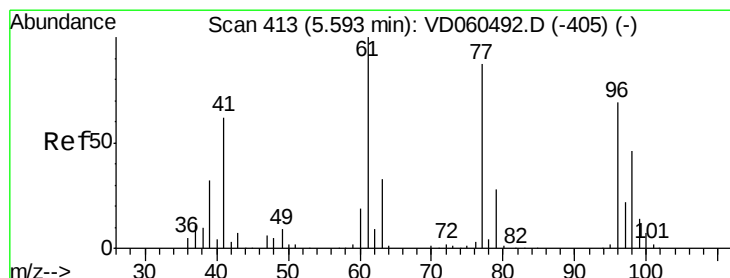
0

5.50 5.60 5.70

5.63



Time-->



#26

2,2-Dichloropropane

Concen: 21.881 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060529.D

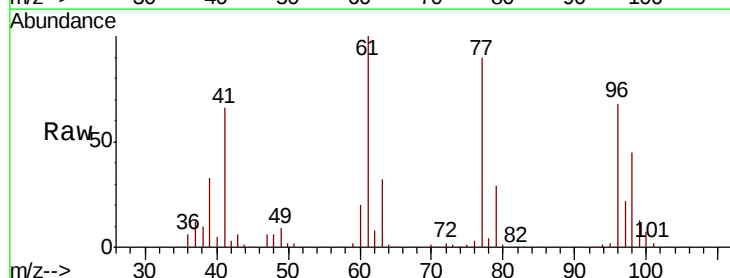
Acq: 11 Dec 2018 12:14

Tgt Ion: 77 Resp: 468836

Ion Ratio Lower Upper

77 100

97 24.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

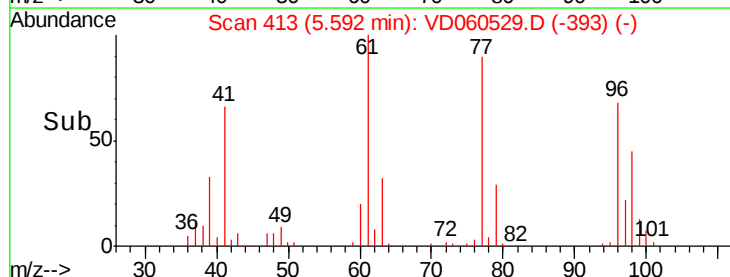
100000

50000

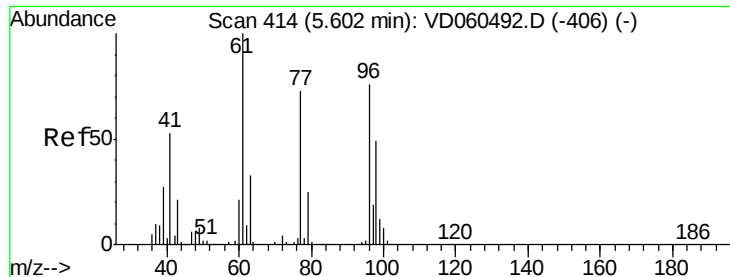
0

5.50 5.60 5.70 5.80

5.59



Time-->

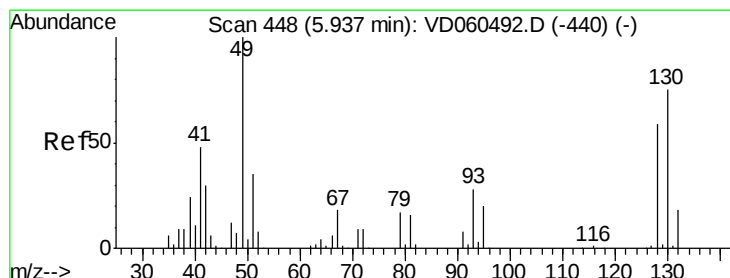
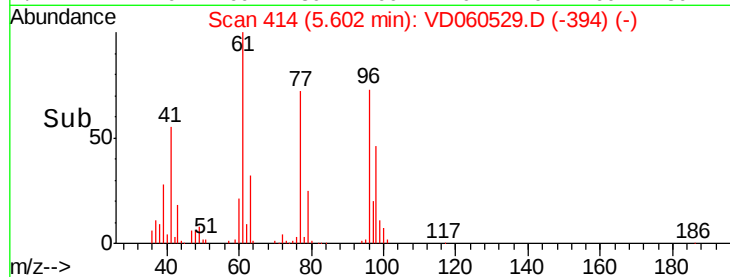
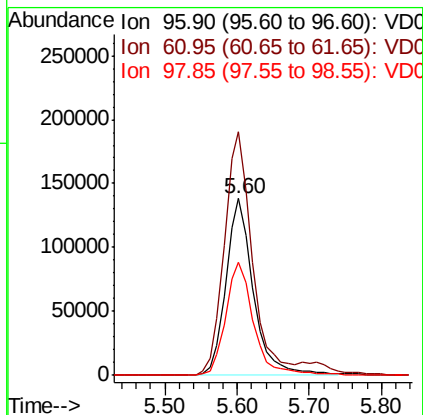
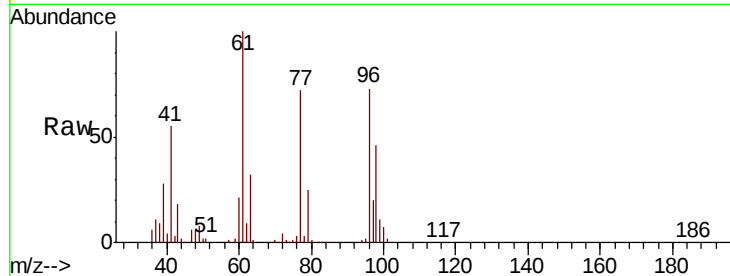


#27

cis-1,2-Dichloroethene
Concen: 21.047 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

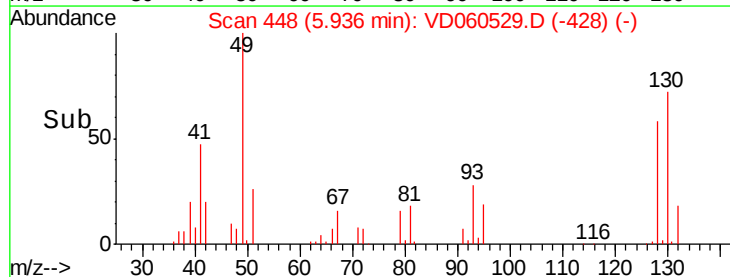
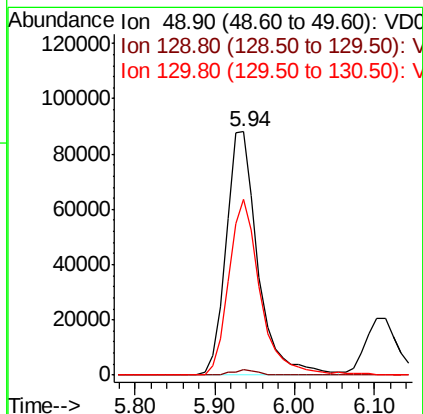
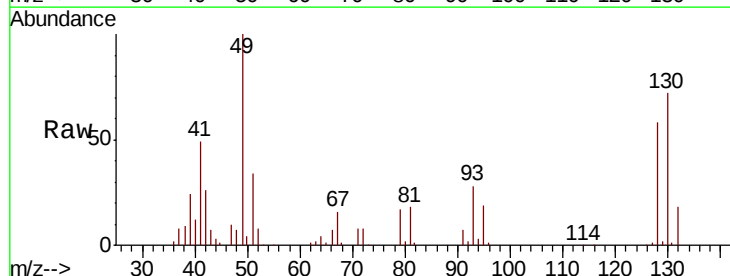
Tot Ion	96	Resp	364828
Ion	Ratio	Lower	Upper
96	100		
61	137.8	0.0	263.6
98	64.0	0.0	128.2



#28

Bromochloromethane
Concen: 20.024 ug/l
RT: 5.94 min Scan# 448
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion	49	Resp	246026
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.4
130	72.4	59.8	89.6

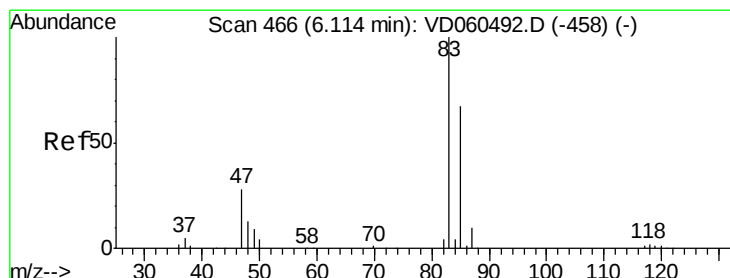
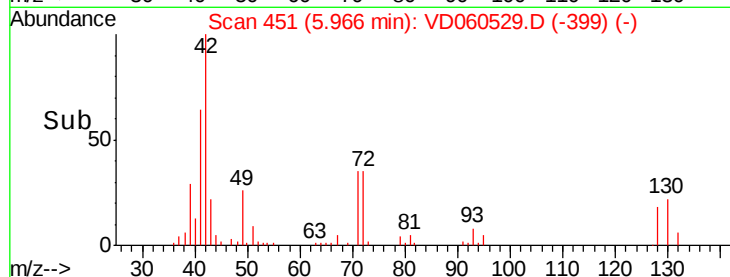
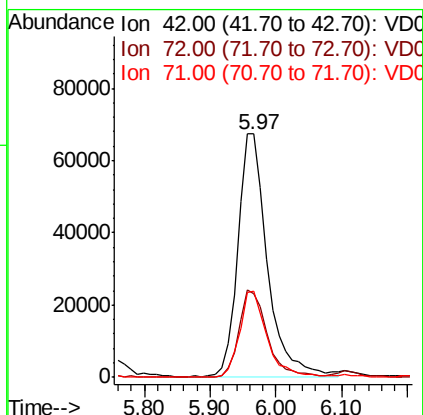
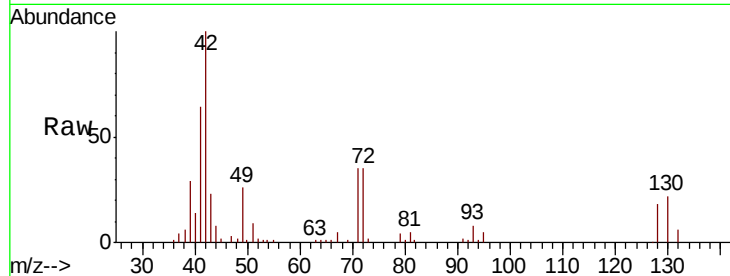




#29
Tetrahydrofuran
Concen: 107.881 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

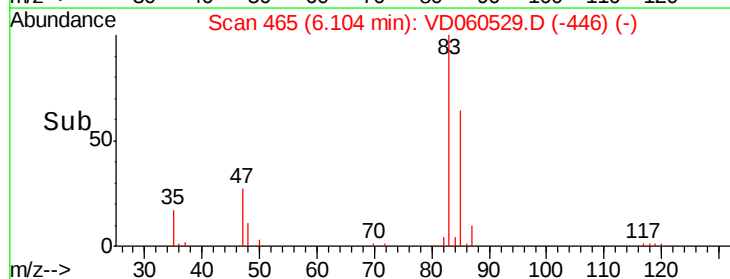
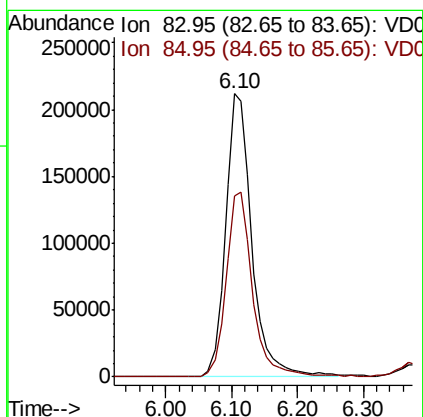
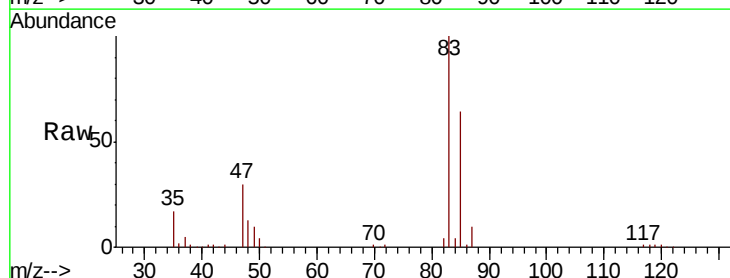
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

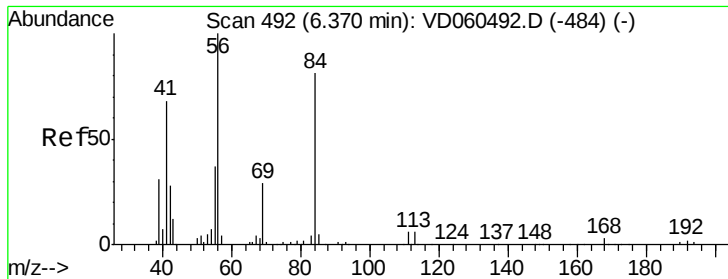
Tot Ion: 42 Resp: 214116
Ion Ratio Lower Upper
42 100
72 34.3 28.0 42.0
71 32.9 27.2 40.8



#30
Chloroform
Concen: 21.094 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 83 Resp: 589414
Ion Ratio Lower Upper
83 100
85 64.1 53.4 80.2





#31

Cyclohexane

Concen: 21.561 ug/l

RT: 6.37 min Scan# 492

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

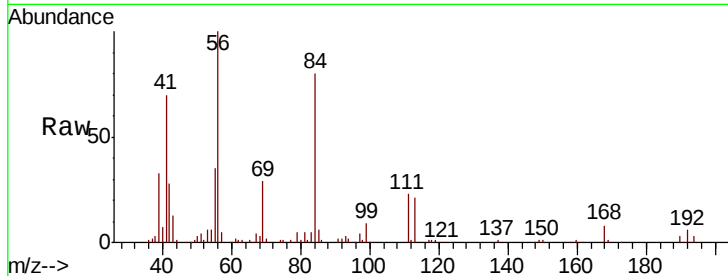
Tot Ion: 56 Resp: 563044

Ion Ratio Lower Upper

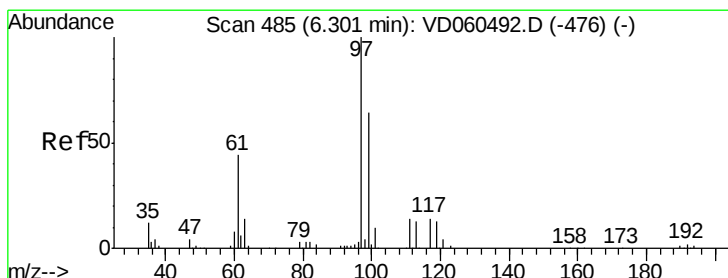
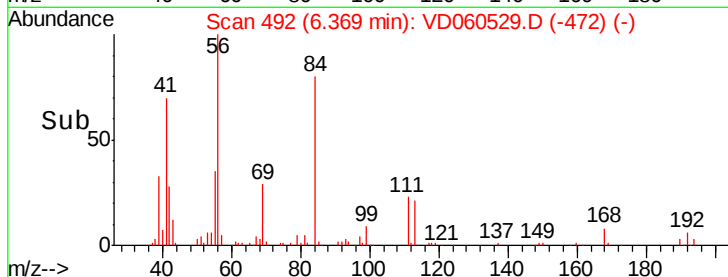
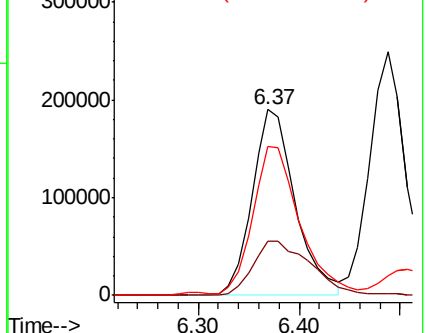
56 100

69 29.2 22.8 34.2

84 80.4 65.1 97.7



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: 21.312 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

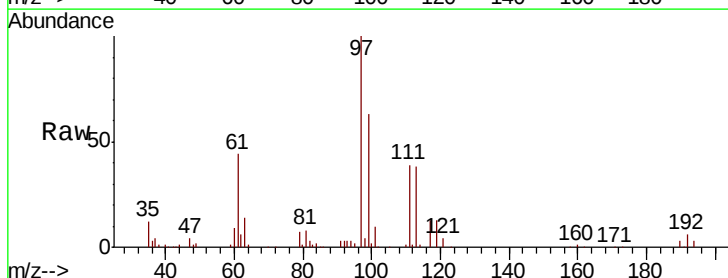
Tgt Ion: 97 Resp: 489550

Ion Ratio Lower Upper

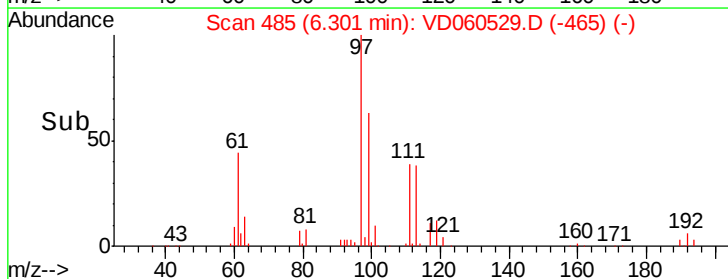
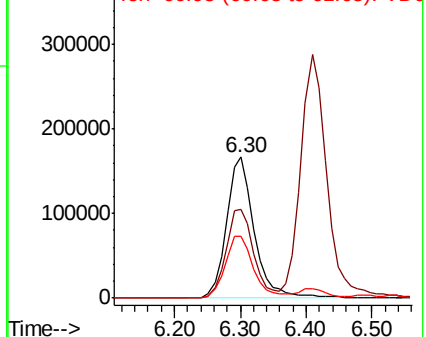
97 100

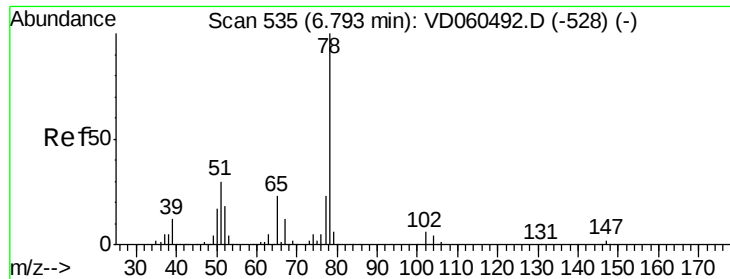
99 62.8 51.0 76.4

61 44.0 35.3 52.9



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: 21.312 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

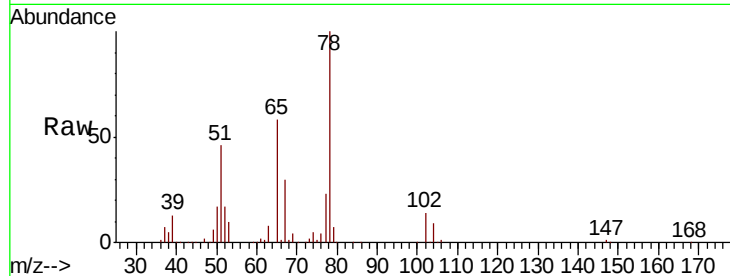
VD1211SBS01

Tot Ion: 65 Resp: 617196

Ion Ratio Lower Upper

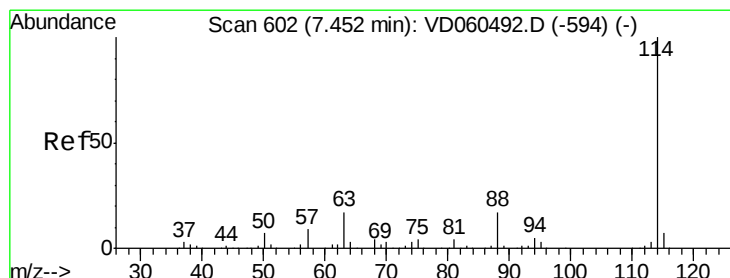
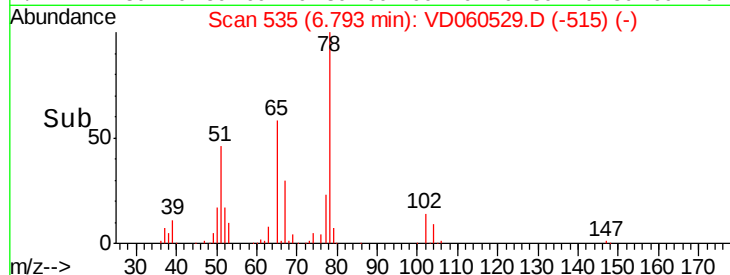
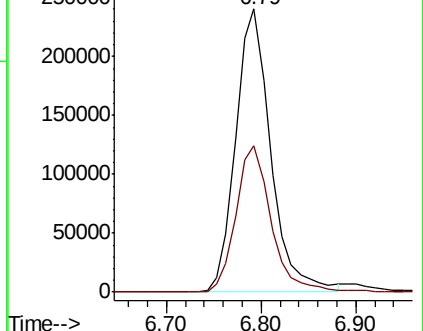
65 100

67 51.9 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

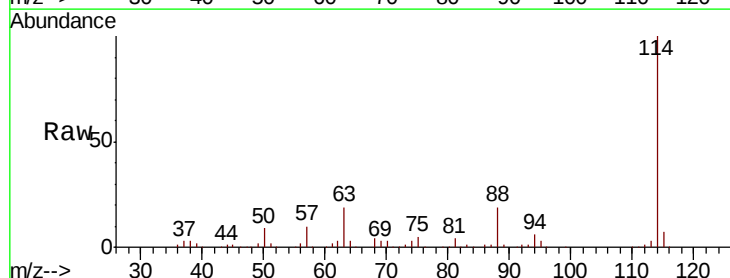
Tgt Ion: 114 Resp: 2151264

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.2

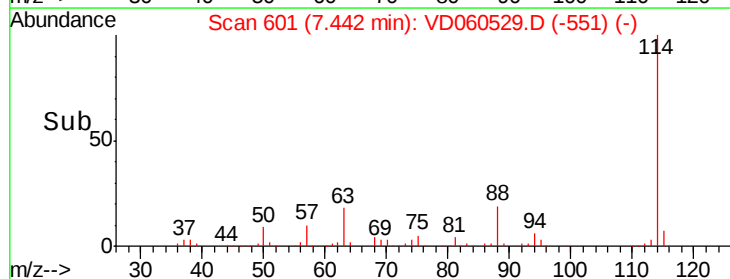
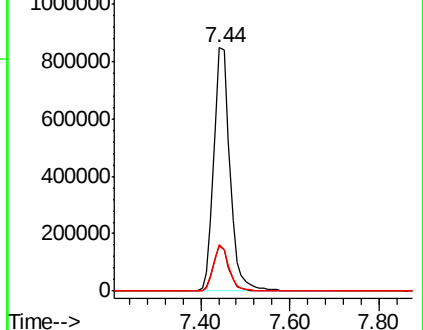
88 18.9 0.0 35.0

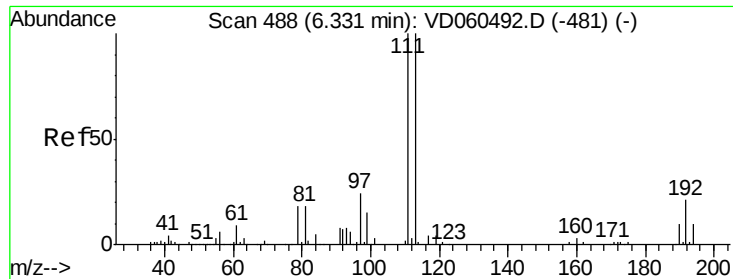


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

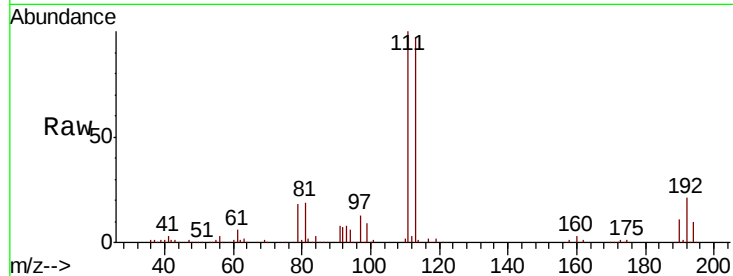
Tot Ion:113 Resp: 866503

Ion Ratio Lower Upper

113 100

111 103.5 80.2 120.4

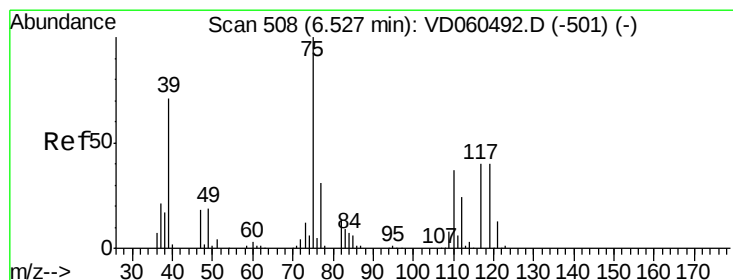
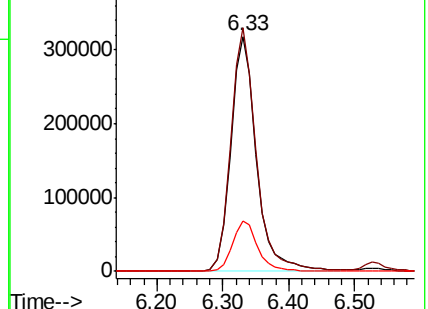
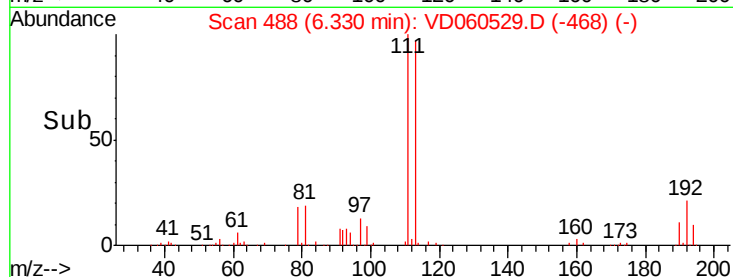
192 21.4 16.6 24.8



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: 21.772 ug/l

RT: 6.53 min Scan# 508

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

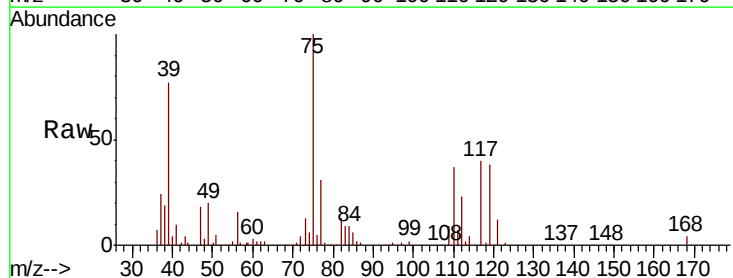
Tgt Ion: 75 Resp: 457831

Ion Ratio Lower Upper

75 100

110 36.7 18.3 54.8

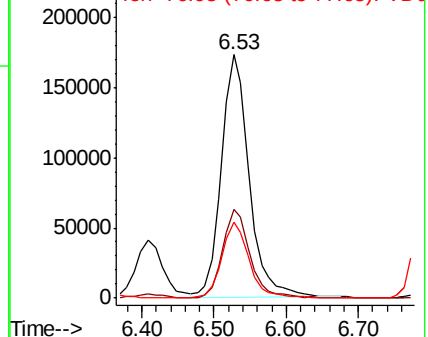
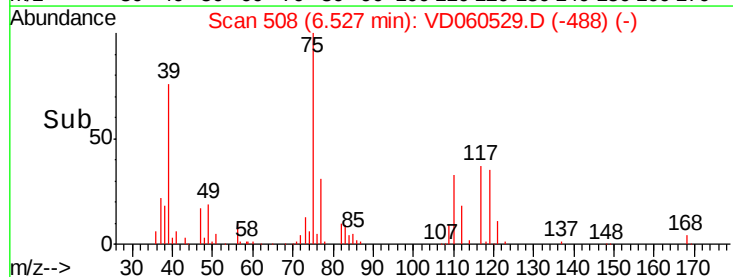
77 31.1 24.6 37.0

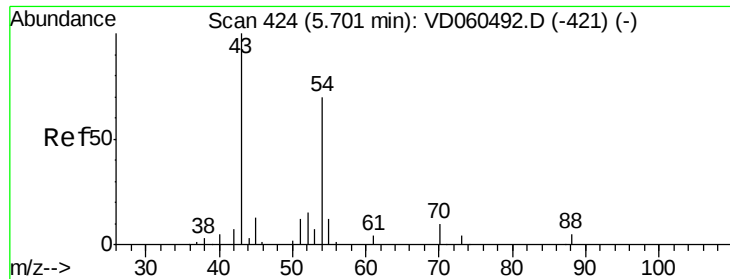


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

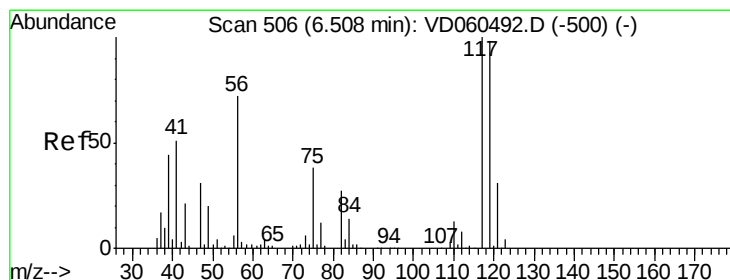
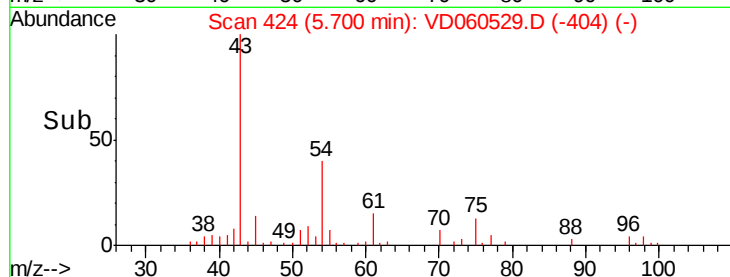
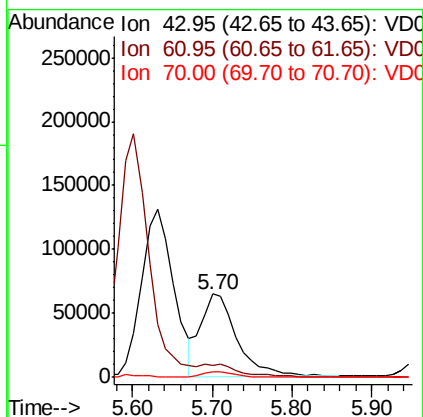
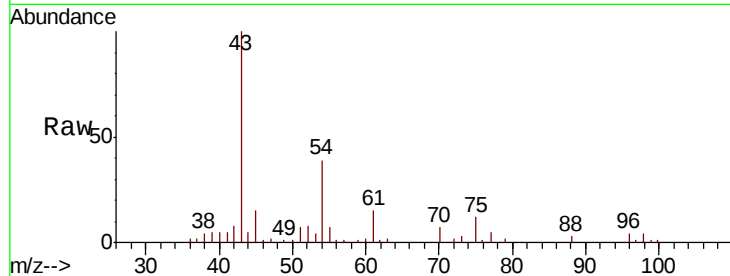




#37
Ethyl Acetate
Concen: 22.241 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

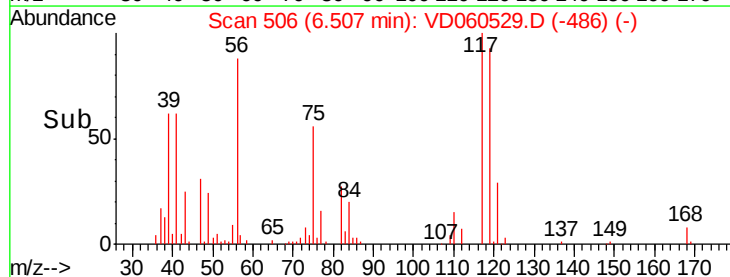
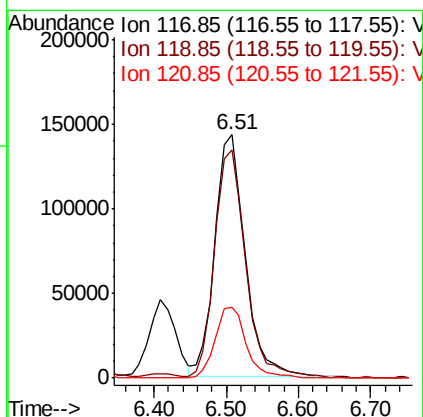
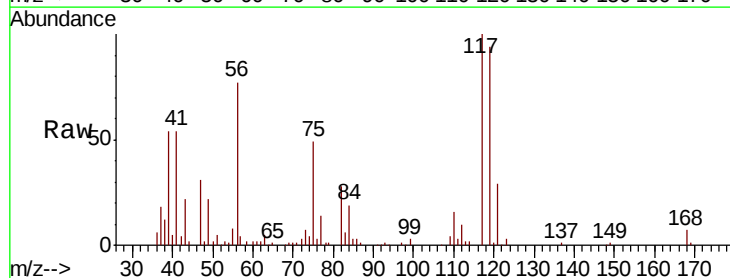
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

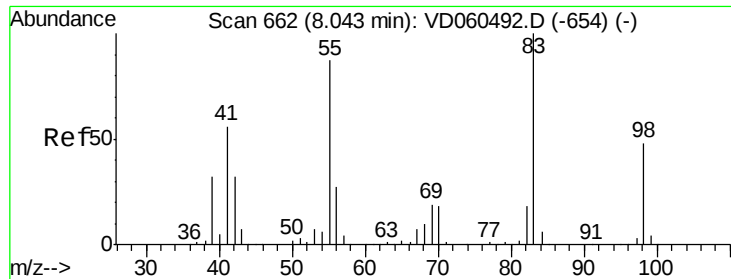
Tot Ion: 43 Resp: 202831
Ion Ratio Lower Upper
43 100
61 14.8 12.4 18.6
70 7.2 5.4 8.0



#38
Carbon Tetrachloride
Concen: 21.980 ug/l
RT: 6.51 min Scan# 506
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 117 Resp: 414942
Ion Ratio Lower Upper
117 100
119 93.6 76.8 115.2
121 29.1 24.4 36.6

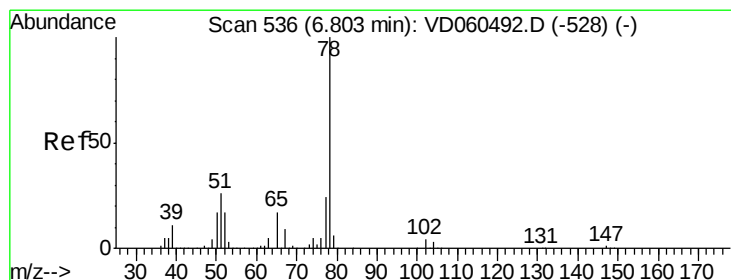
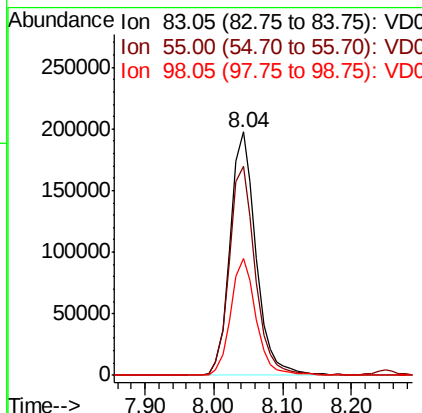
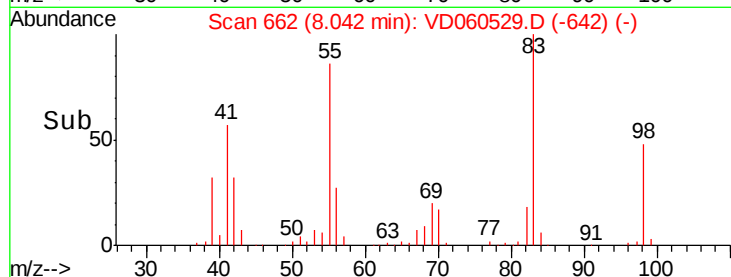
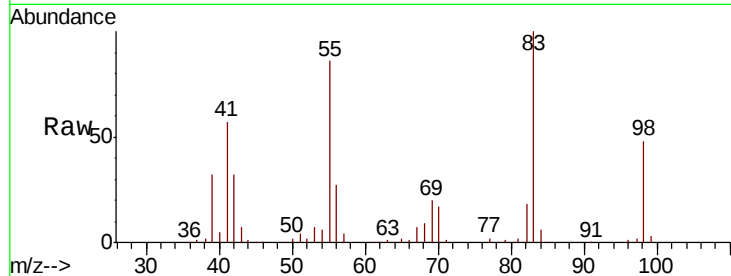




#39
Methvlcvclohexane
Concen: 21.450 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

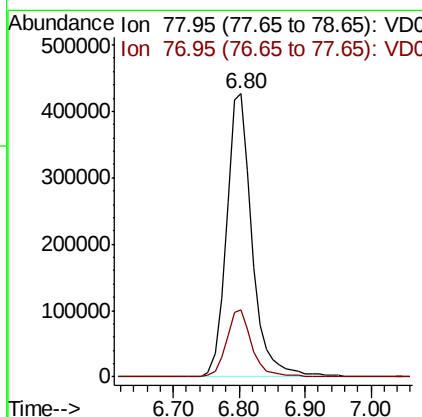
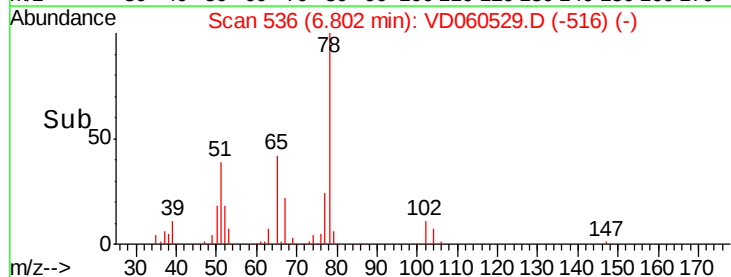
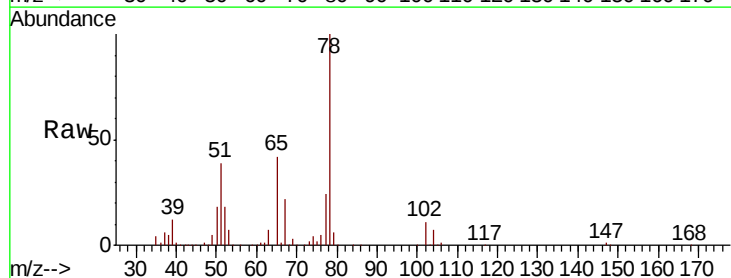
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

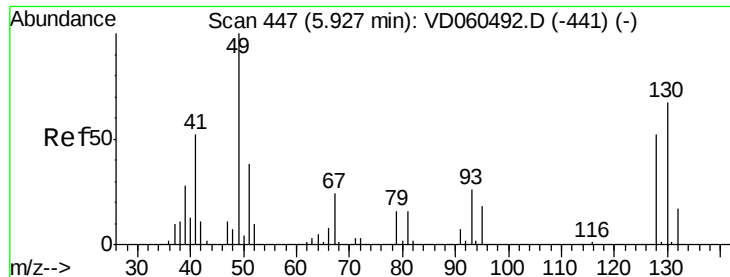
Tot Ion: 83 Resp: 514204
Ion Ratio Lower Upper
83 100
55 85.6 69.8 104.8
98 48.2 38.4 57.6



#40
Benzene
Concen: 21.489 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 78 Resp: 1154847
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3





#41

Methacrylonitrile

Concen: 47.065 ug/l

RT: 5.96 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

Tot Ion: 41 Resp: 231377

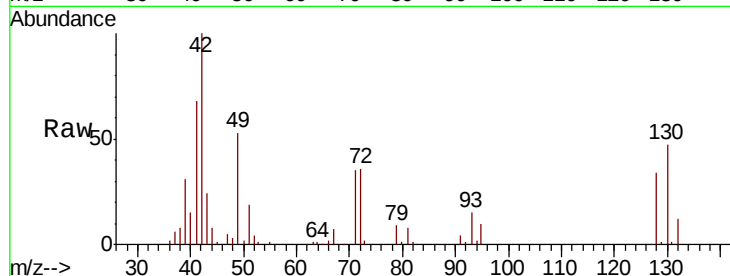
Ion Ratio Lower Upper

41 100

39 45.3 42.6 63.8

67 9.8 36.2 54.4#

52 5.8 15.6 23.4#

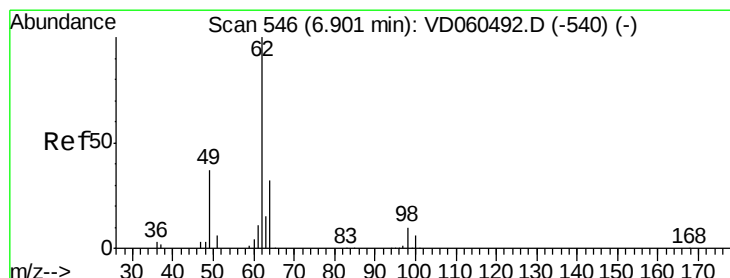
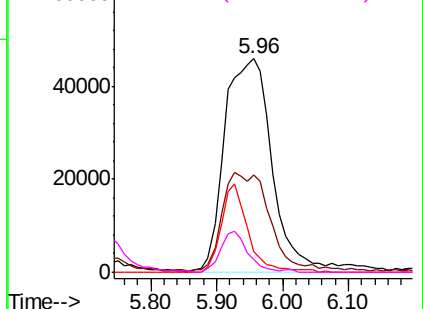
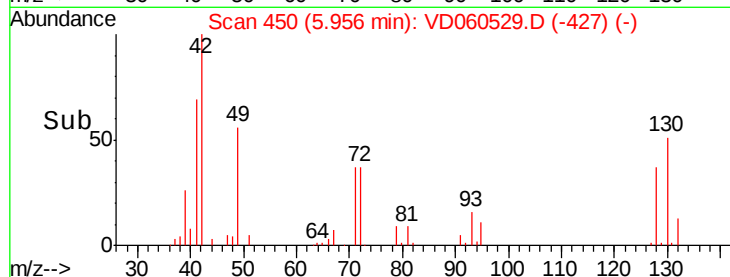


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.717 ug/l

RT: 6.90 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD060529.D

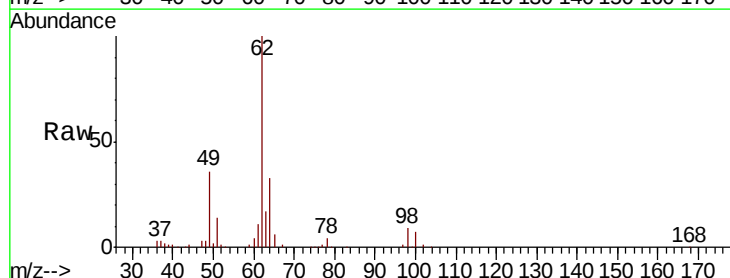
Acq: 11 Dec 2018 12:14

Tgt Ion: 62 Resp: 296742

Ion Ratio Lower Upper

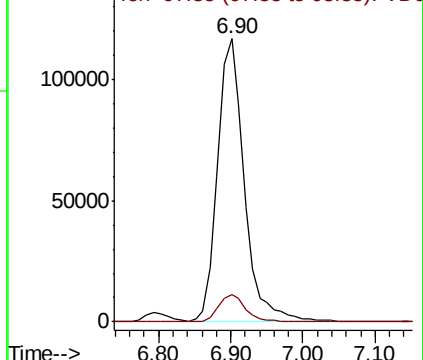
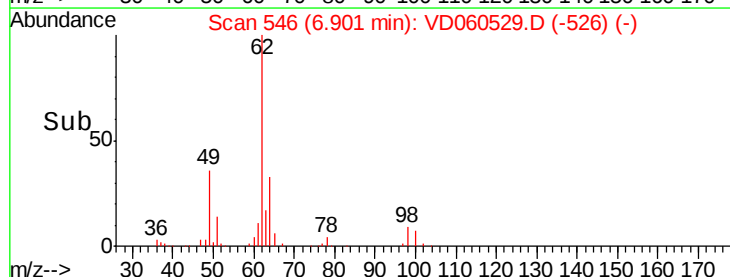
62 100

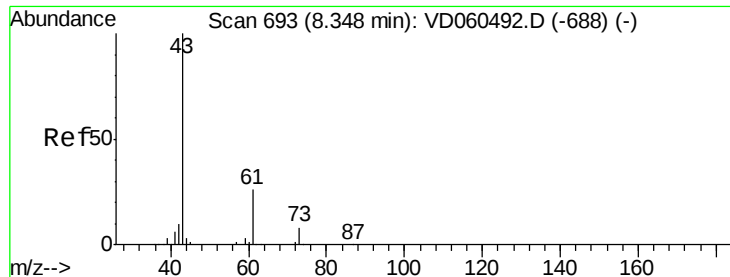
98 9.5 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 23.084 ug/l

RT: 8.35 min Scan# 693

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

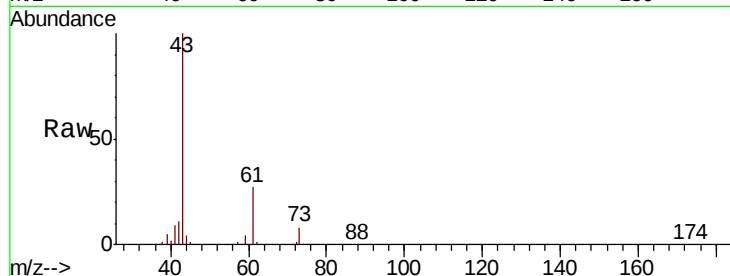
Tot Ion: 43 Resp: 259866

Ion Ratio Lower Upper

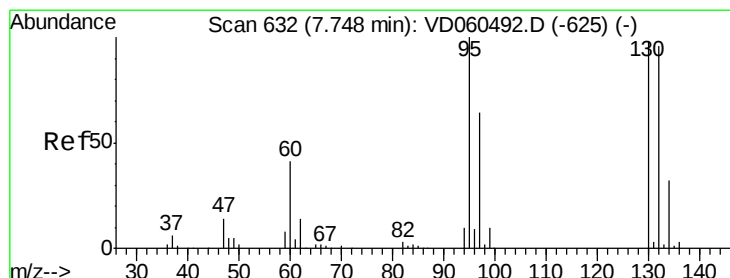
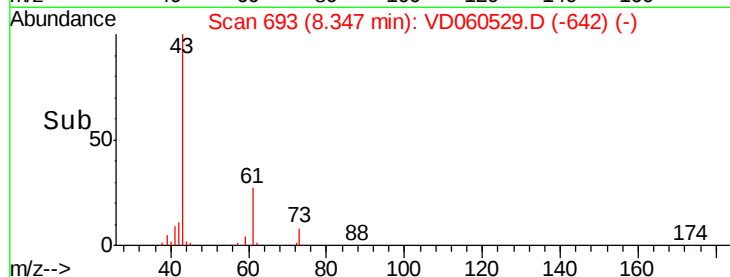
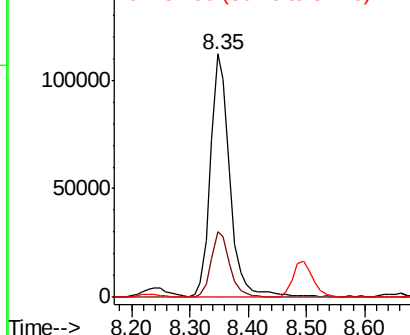
43 100

61 27.1 21.0 31.4

87 0.0 0.2 0.2#



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: 21.211 ug/l

RT: 7.75 min Scan# 632

Delta R.T. -0.00 min

Lab File: VD060529.D

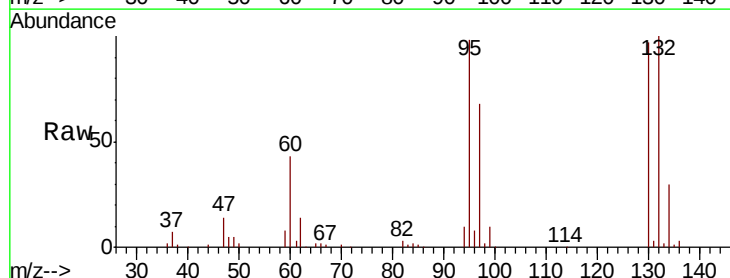
Acq: 11 Dec 2018 12:14

Tgt Ion:130 Resp: 340657

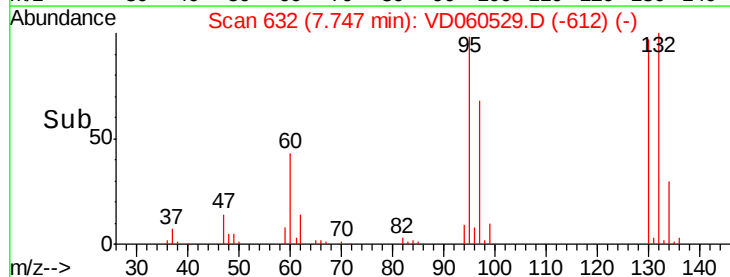
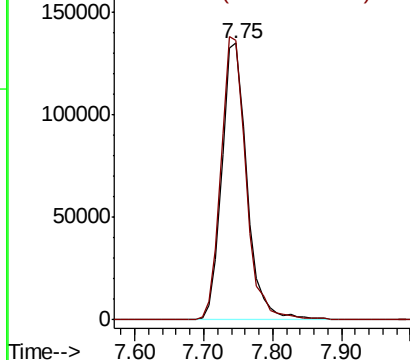
Ion Ratio Lower Upper

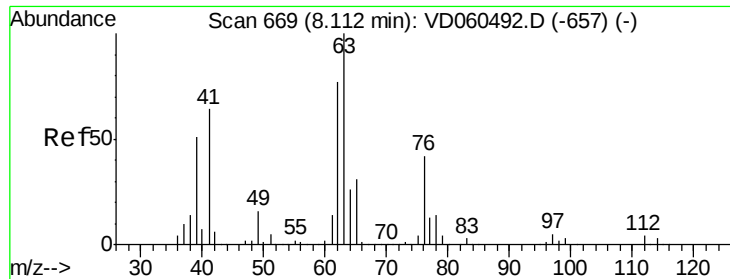
130 100

95 101.2 0.0 203.8



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





#45

1,2-Dichloropropane

Concen: 21.125 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.01 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

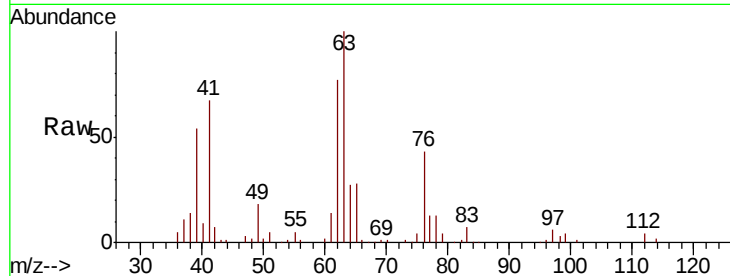
VD1211SBSD01

Tot Ion: 63 Resp: 280790

Ion Ratio Lower Upper

63 100

65 28.3 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.10

120000

100000

80000

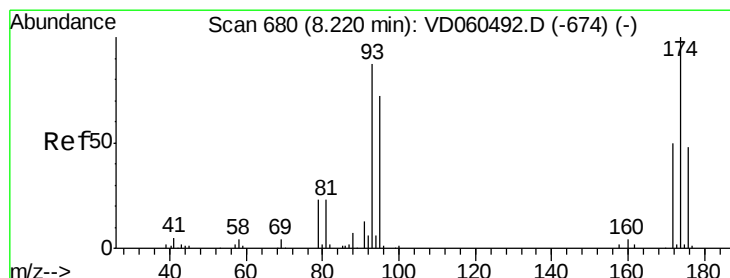
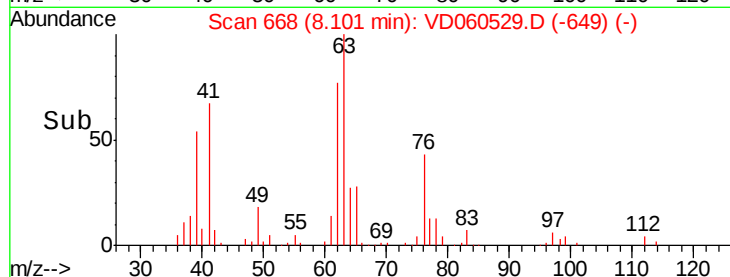
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 21.482 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

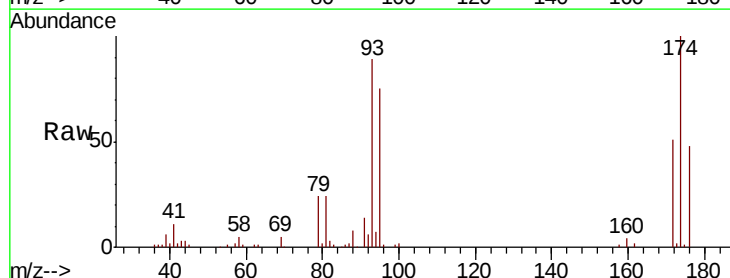
Tgt Ion: 93 Resp: 164971

Ion Ratio Lower Upper

93 100

95 83.7 65.6 98.4

174 112.1 91.7 137.5



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

100000

80000

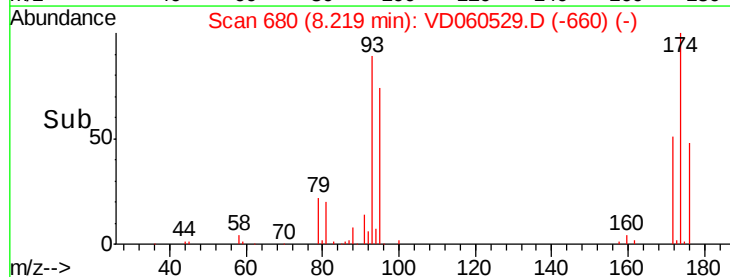
60000

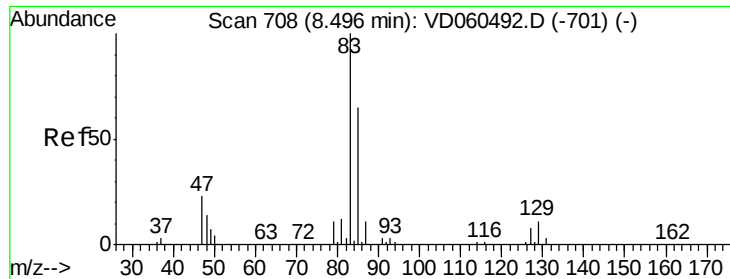
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 21.511 ug/l

RT: 8.50 min Scan# 708

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

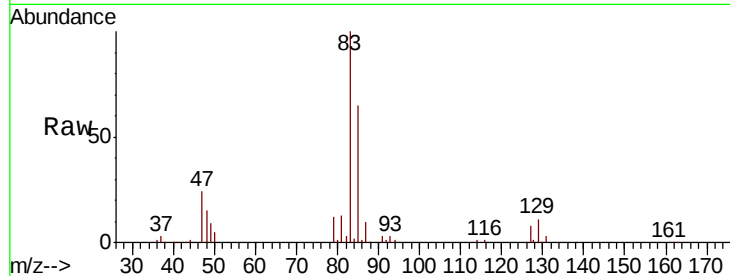
Tot Ion: 83 Resp: 391966

Ion Ratio Lower Upper

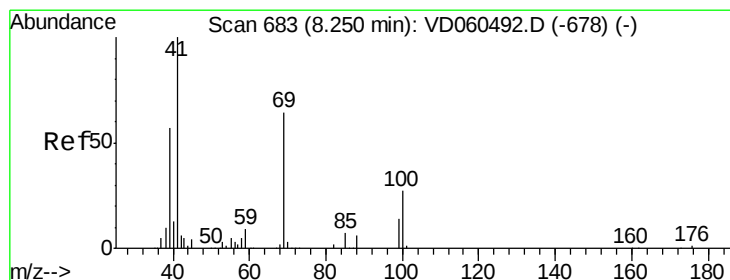
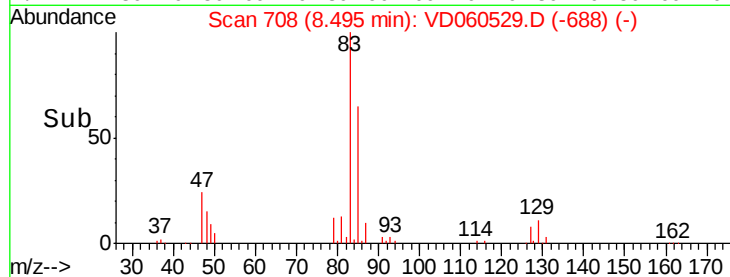
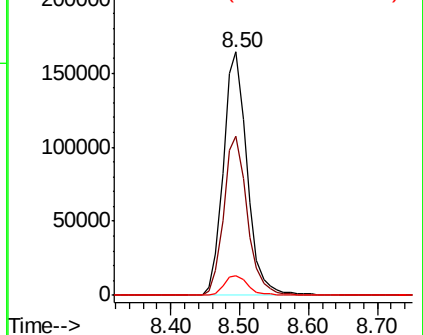
83 100

85 65.4 52.2 78.4

127 8.0 6.7 10.1



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



#48

Methyl methacrylate

Concen: 22.679 ug/l

RT: 8.25 min Scan# 683

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

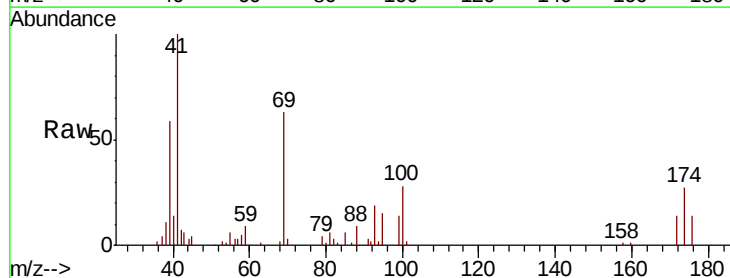
Tgt Ion: 41 Resp: 151062

Ion Ratio Lower Upper

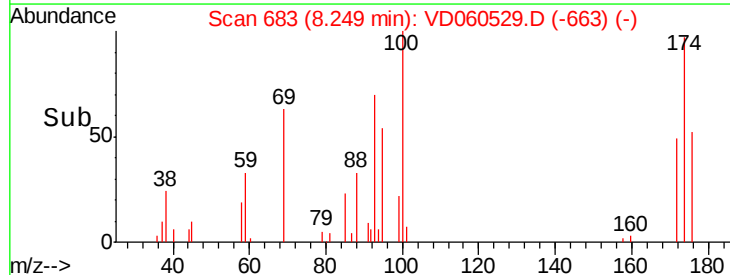
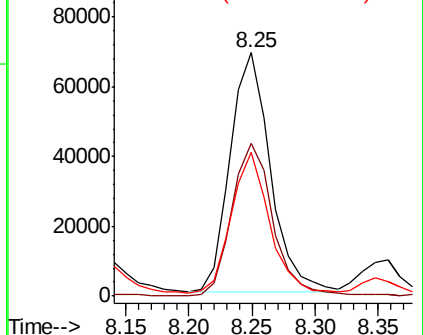
41 100

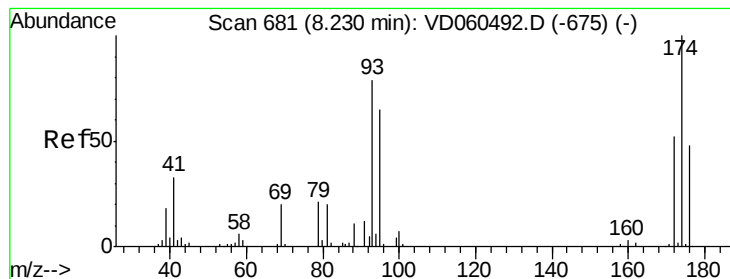
69 62.9 50.2 75.4

39 58.9 46.1 69.1



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: 472.515 ug/l

RT: 8.23 min Scan# 681

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

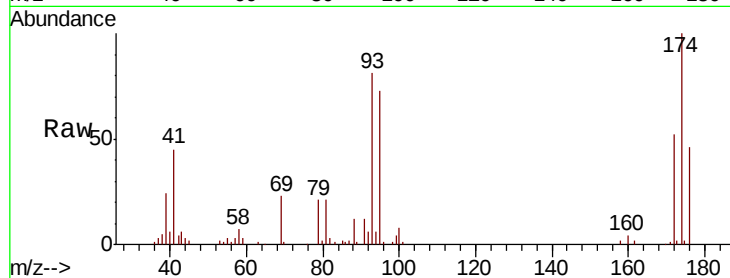
Tot Ion: 88 Resp: 28526

Ion Ratio Lower Upper

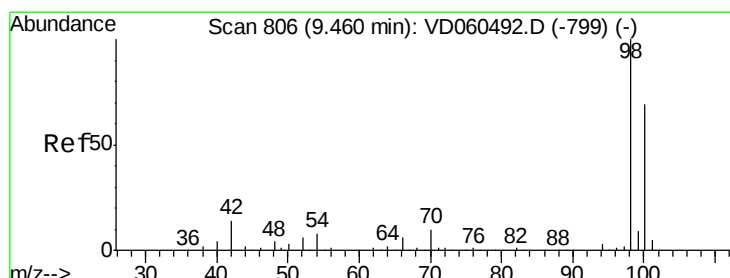
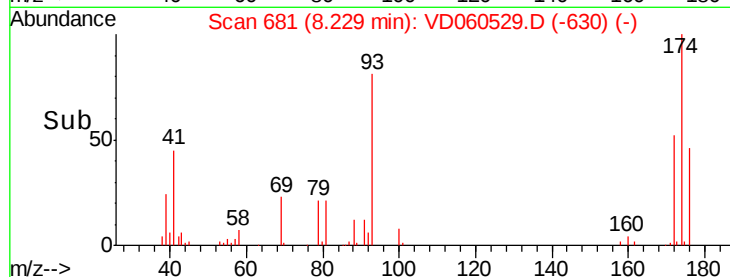
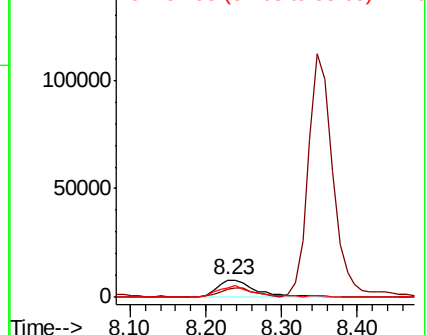
88 100

43 49.2 32.9 49.3

58 55.8 47.7 71.5



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: 472.515 ug/l

RT: 9.46 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD060529.D

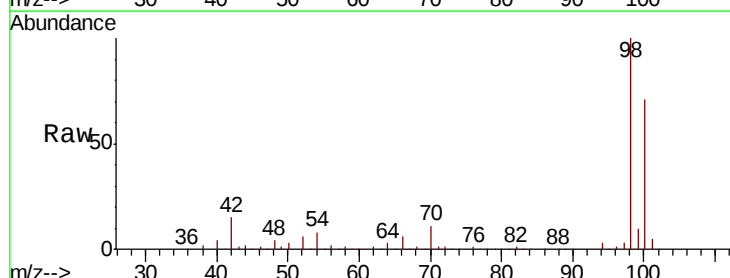
Acq: 11 Dec 2018 12:14

Tgt Ion: 98 Resp: 2506753

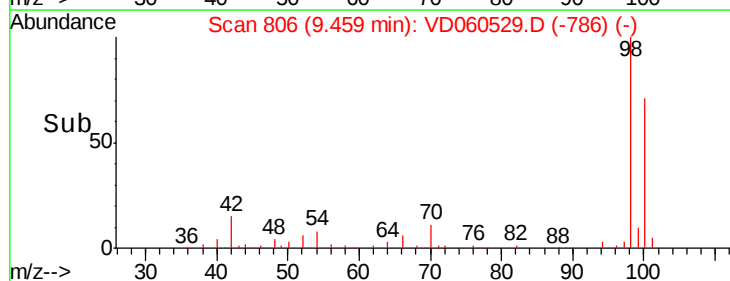
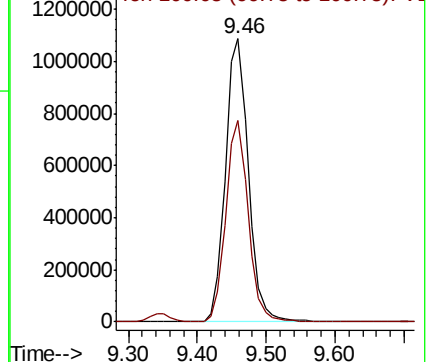
Ion Ratio Lower Upper

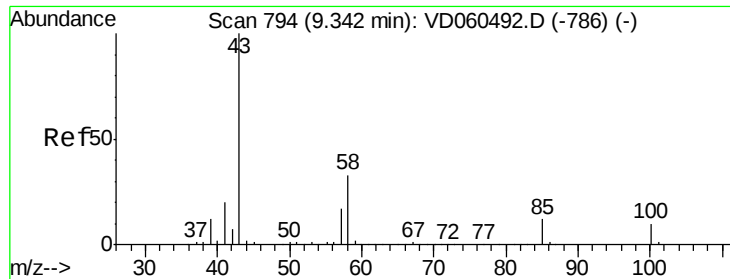
98 100

100 71.1 55.7 83.5



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: 109.803 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

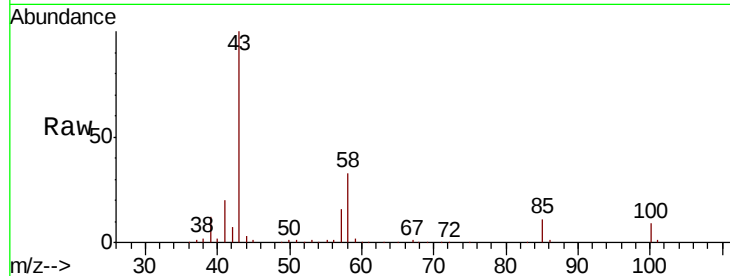
VD1211SBSD01

Tot Ion: 43 Resp: 768909

Ion Ratio Lower Upper

43 100

58 32.6 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

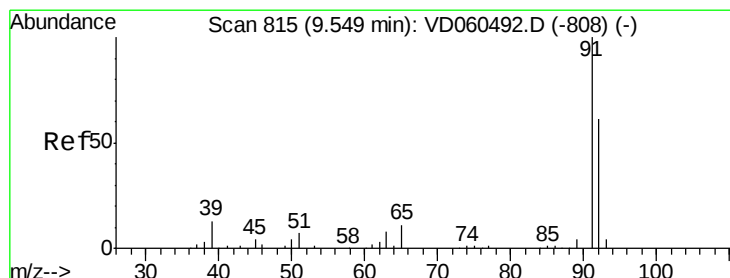
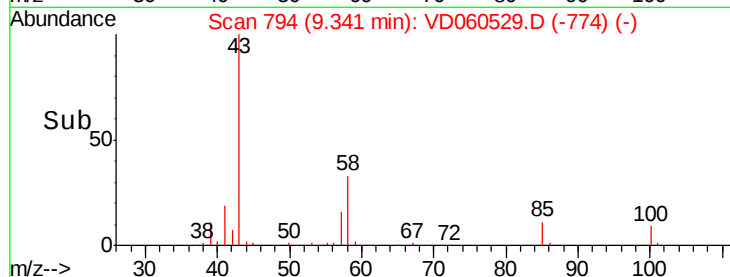
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.791 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060529.D

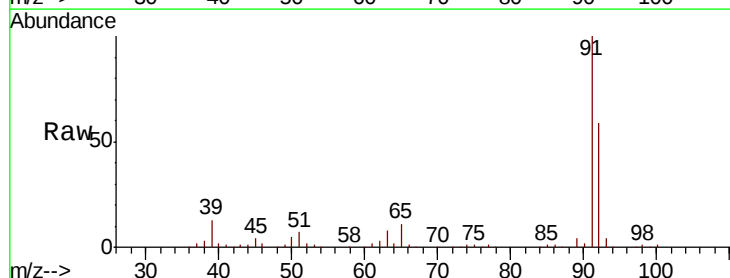
Acq: 11 Dec 2018 12:14

Tgt Ion: 92 Resp: 731944

Ion Ratio Lower Upper

92 100

91 169.0 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.55

600000

500000

400000

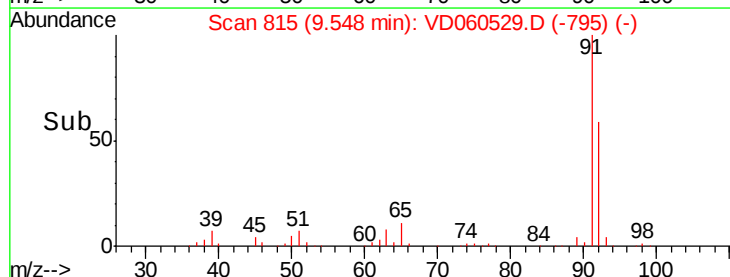
300000

200000

100000

0

Time-->

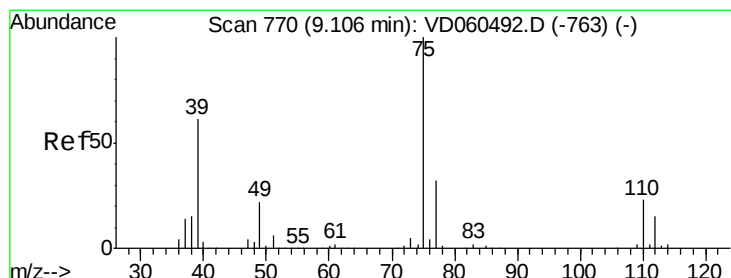
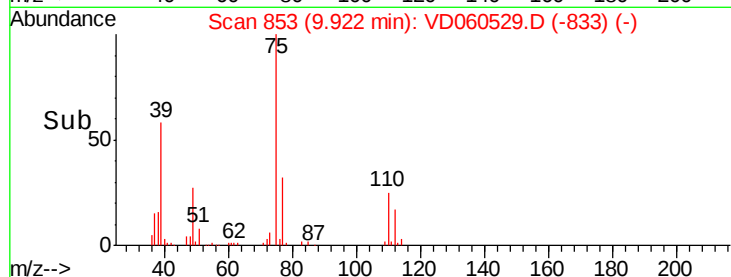
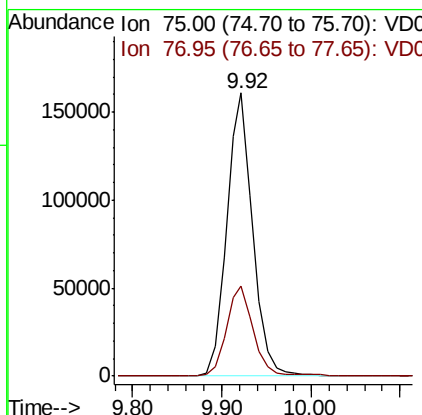
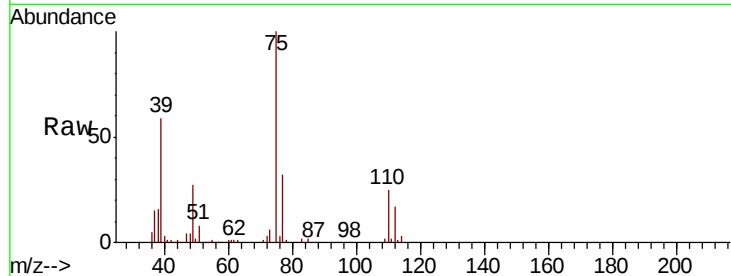




#53
 t-1,3-Dichloropropene
 Concen: 21.848 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

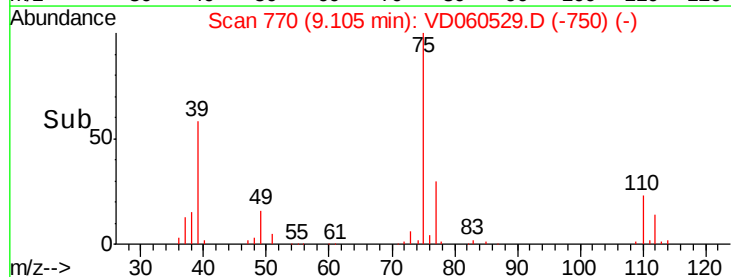
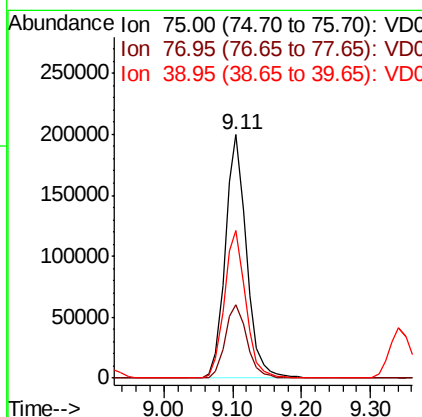
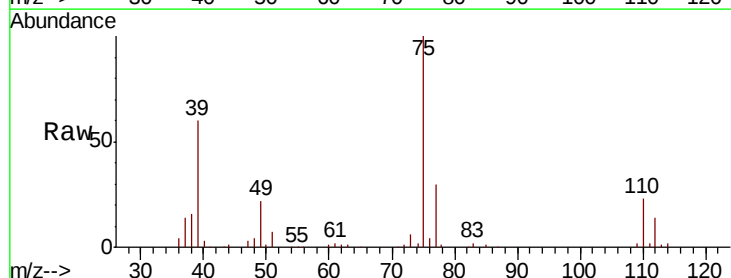
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

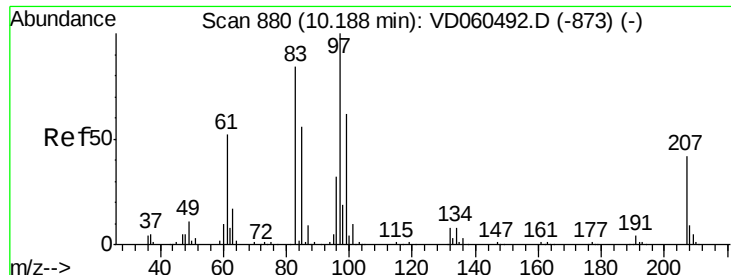
Tot Ion: 75 Resp: 327115
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.549 ug/l
 RT: 9.11 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion: 75 Resp: 423899
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.6 38.4
 39 60.4 48.6 73.0

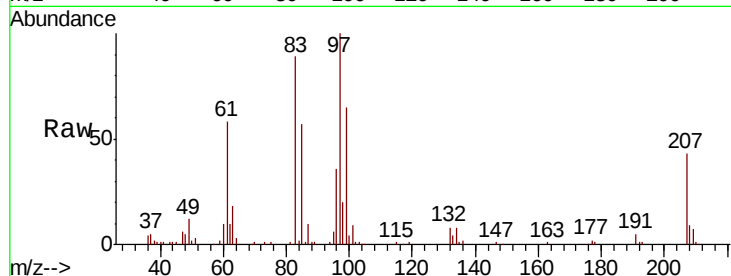




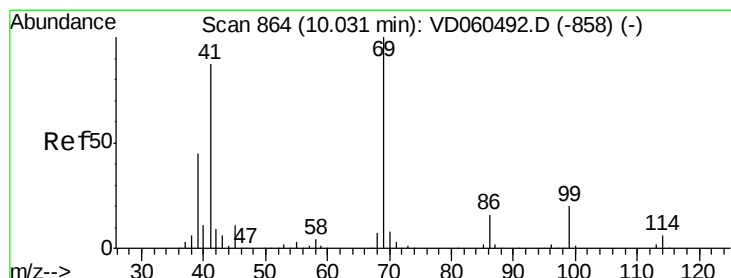
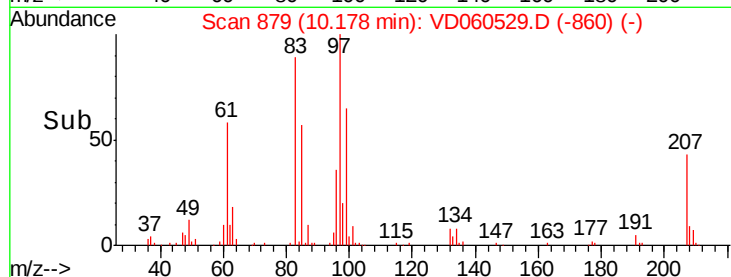
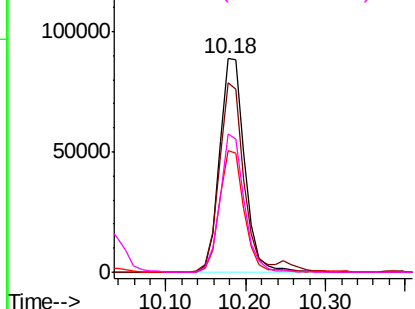
#55
 1,1,2-Trichloroethane
 Concen: 21.157 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion: 97 Resp: 197904
 Ion Ratio Lower Upper
 97 100
 83 88.6 67.2 100.8
 85 56.7 44.5 66.7
 99 64.7 49.3 73.9

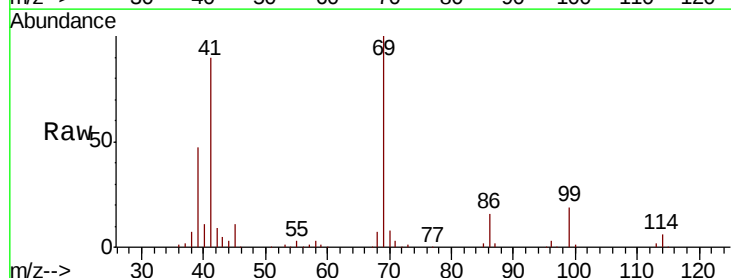


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

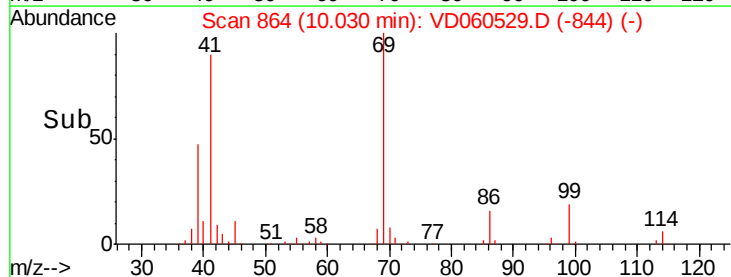
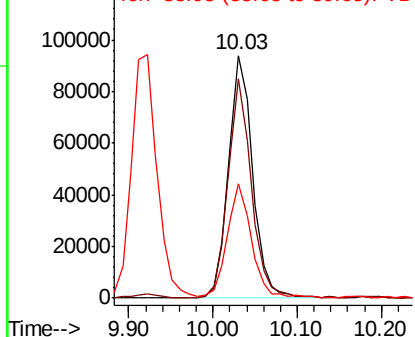


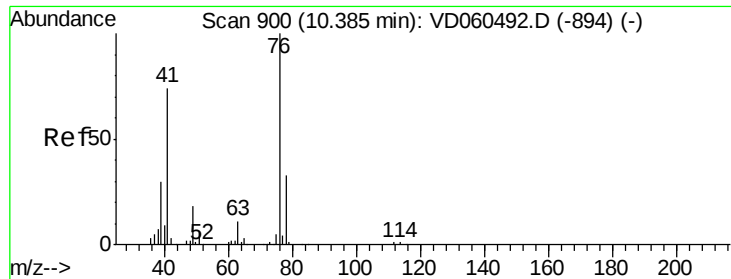
#56
 Ethyl methacrylate
 Concen: 22.151 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion: 69 Resp: 187524
 Ion Ratio Lower Upper
 69 100
 41 90.5 69.8 104.8
 39 47.1 37.5 56.3



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

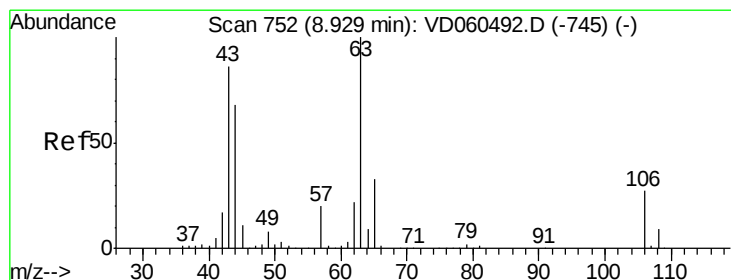
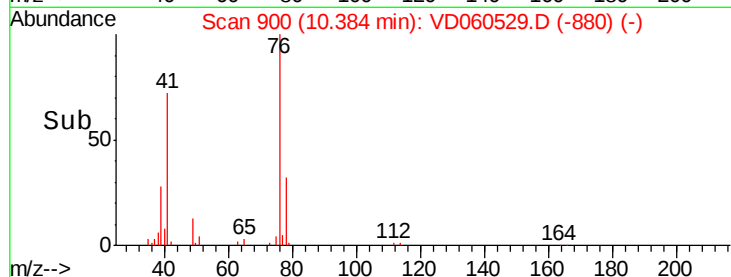
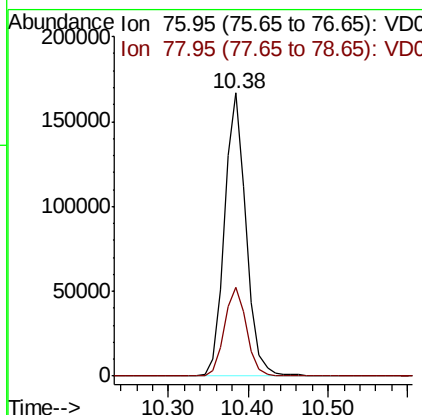
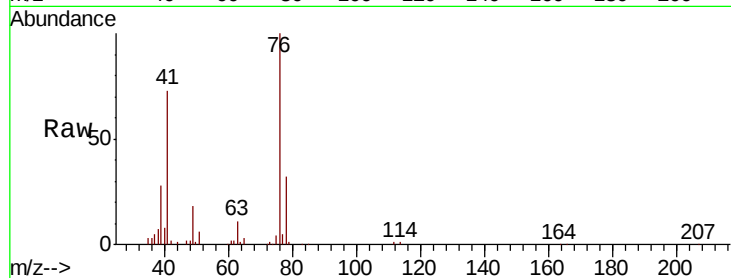




#57
 1,3-Dichloropropane
 Concen: 21.916 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

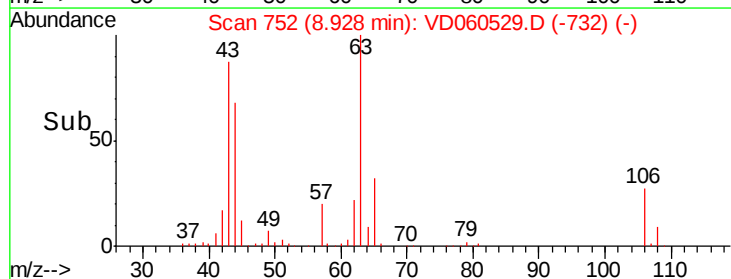
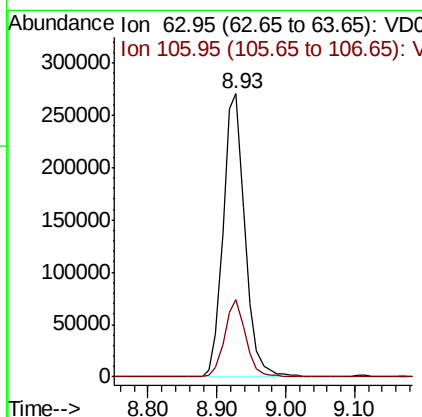
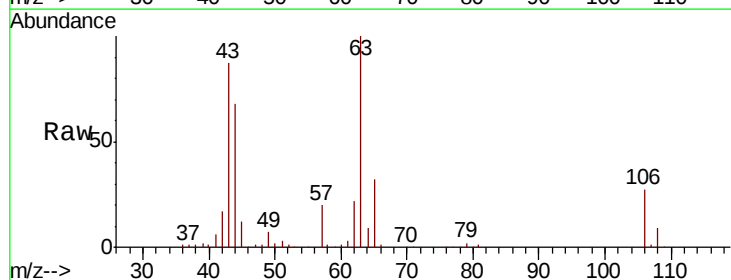
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

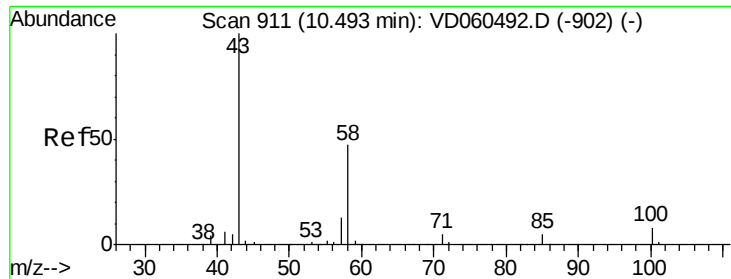
Tot Ion: 76 Resp: 316908
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.565 ug/l
 RT: 8.93 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion: 63 Resp: 590447
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.6 32.4

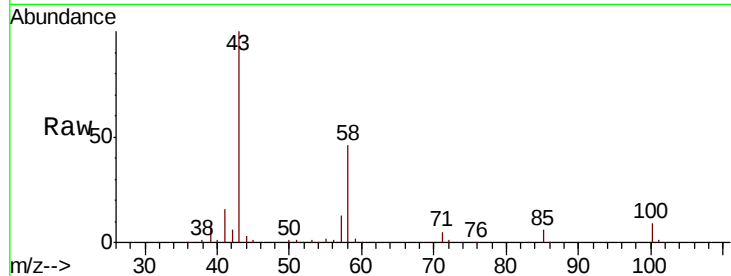




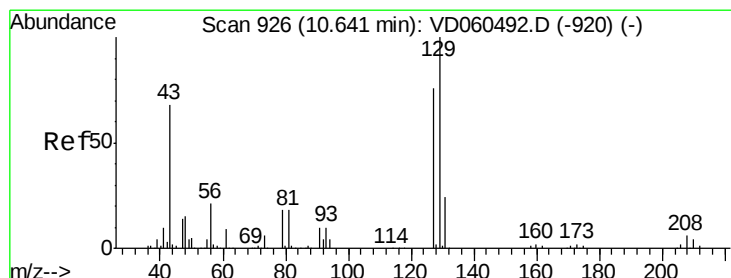
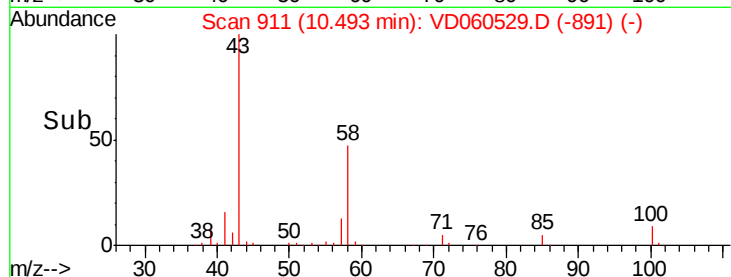
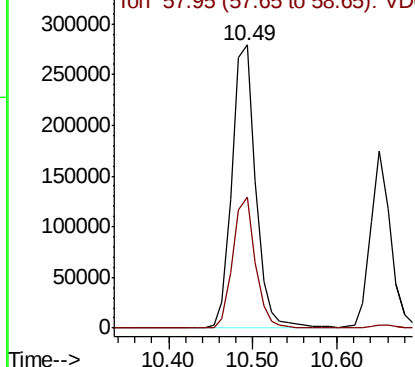
#59
2-Hexanone
Concen: 112.592 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion: 43 Resp: 551104
Ion Ratio Lower Upper
43 100
58 46.4 23.4 70.2

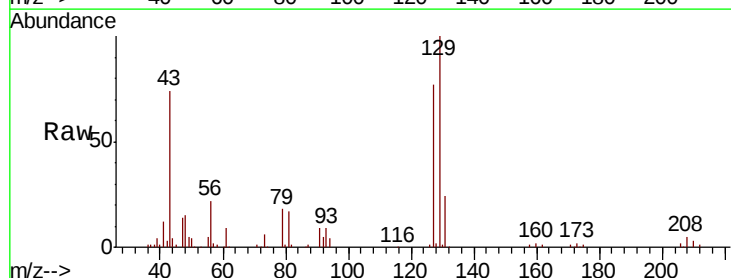


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

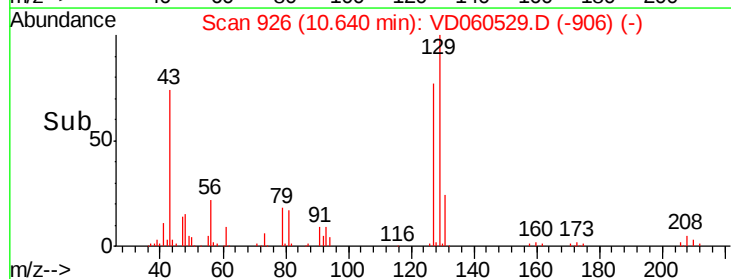
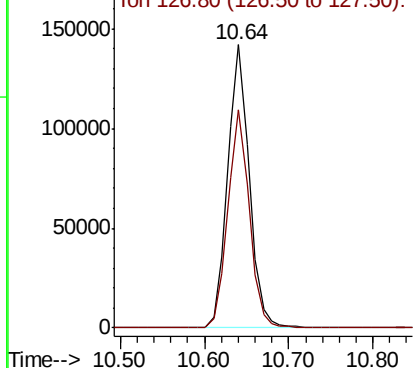


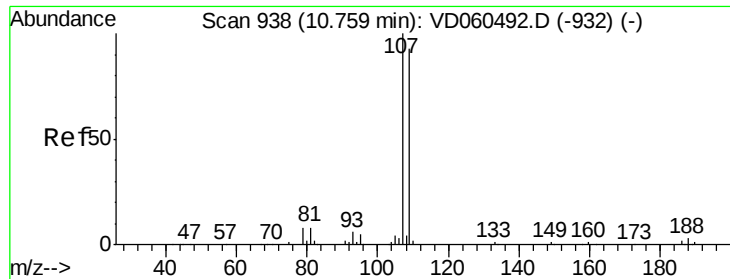
#60
Dibromochloromethane
Concen: 21.576 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 129 Resp: 252336
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 22.045 ug/l

RT: 10.76 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

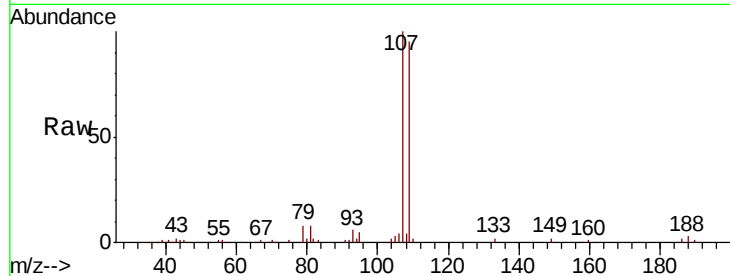
VD1211SBSD01

Tot Ion:107 Resp: 210151

Ion Ratio Lower Upper

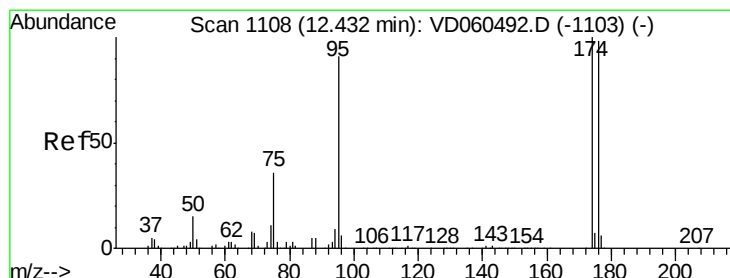
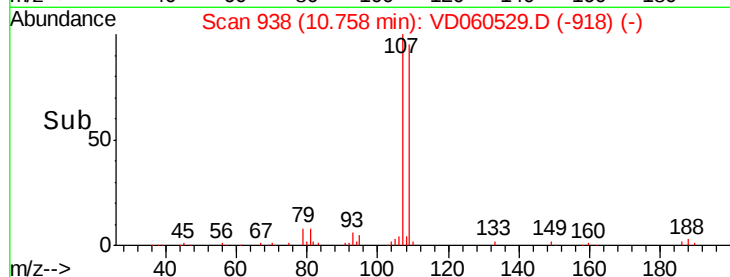
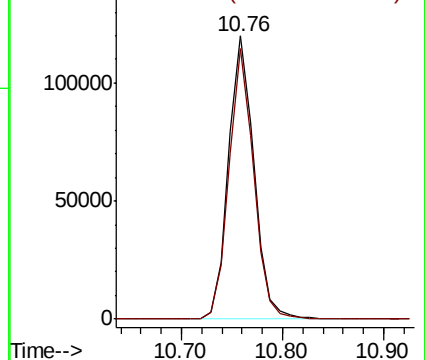
107 100

109 95.5 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 22.045 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

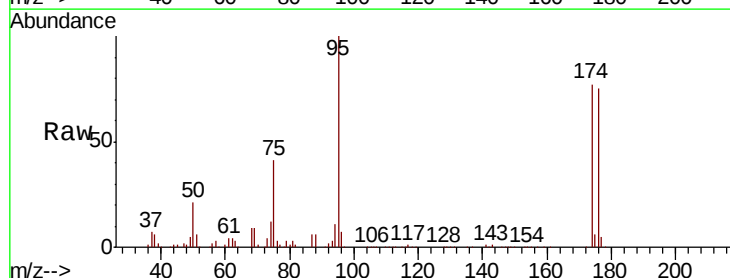
Tgt Ion: 95 Resp: 872205

Ion Ratio Lower Upper

95 100

174 76.8 0.0 219.4

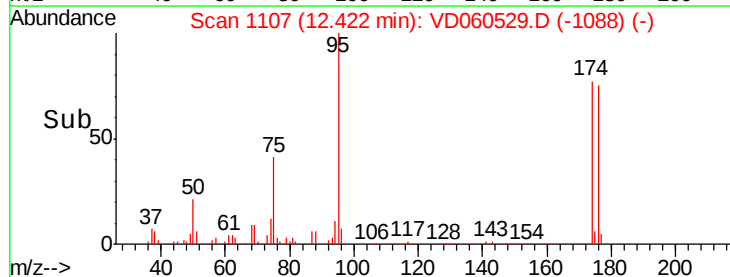
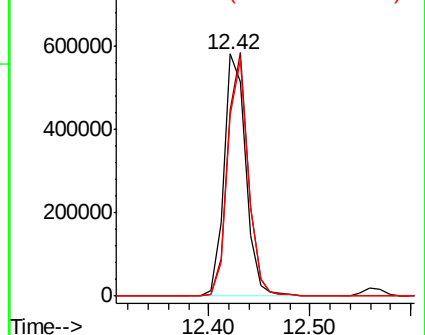
176 74.8 0.0 214.6

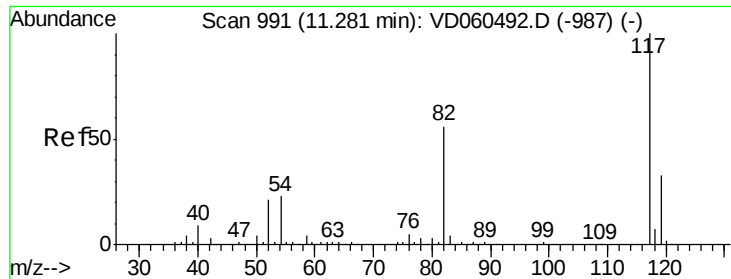


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

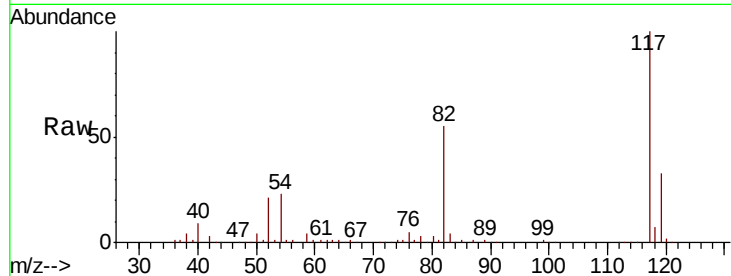




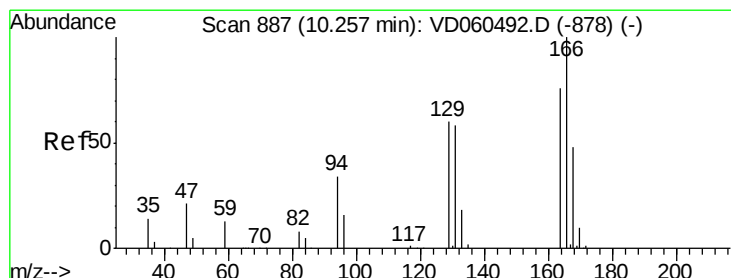
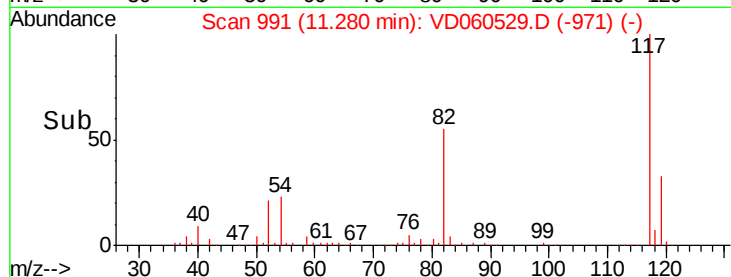
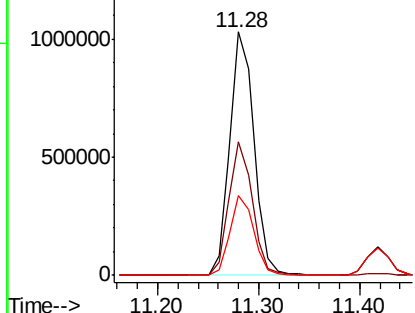
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion:117 Resp: 1716408
Ion Ratio Lower Upper
117 100
82 55.0 45.2 67.8
119 32.6 26.1 39.1

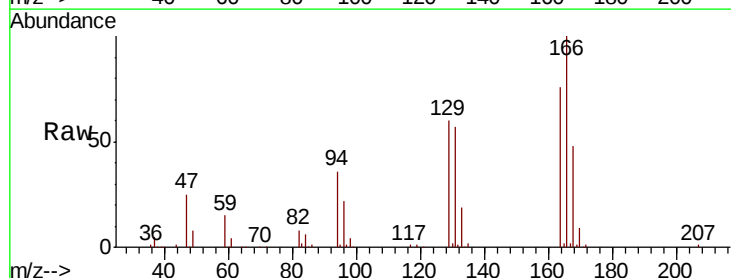


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

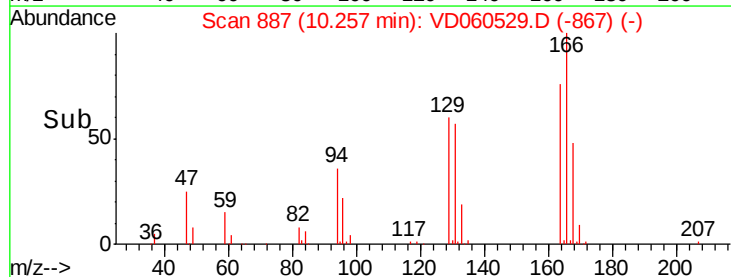
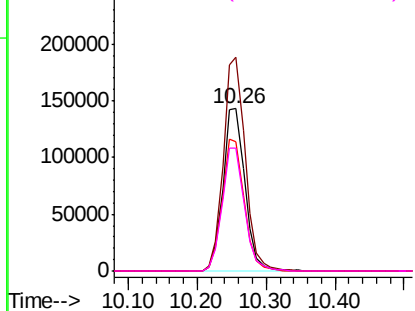


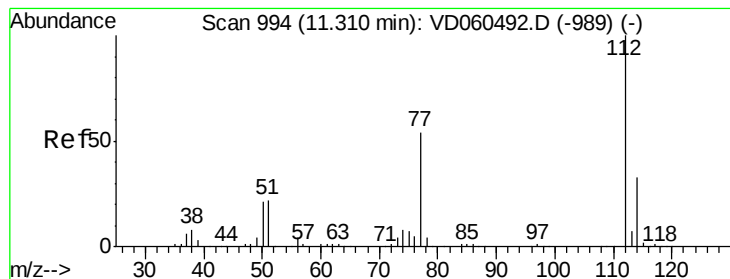
#64
Tetrachloroethene
Concen: 20.778 ug/l
RT: 10.26 min Scan# 887
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion:164 Resp: 315796
Ion Ratio Lower Upper
164 100
166 131.6 105.0 157.6
129 79.3 63.0 94.4
131 75.5 60.6 90.8



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





#65

Chlorobenzene

Concen: 22.001 ug/l

RT: 11.31 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

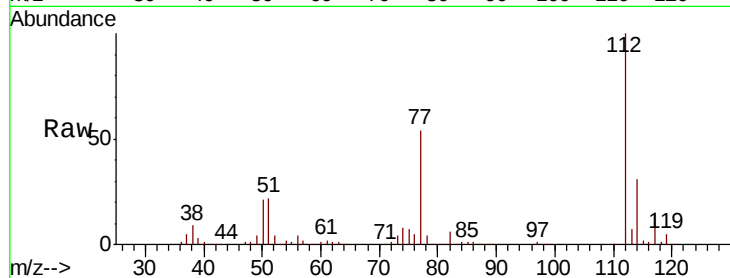
VD1211SBSD01

Tot Ion:112 Resp: 798903

Ion Ratio Lower Upper

112 100

114 30.7 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

11.31

500000

400000

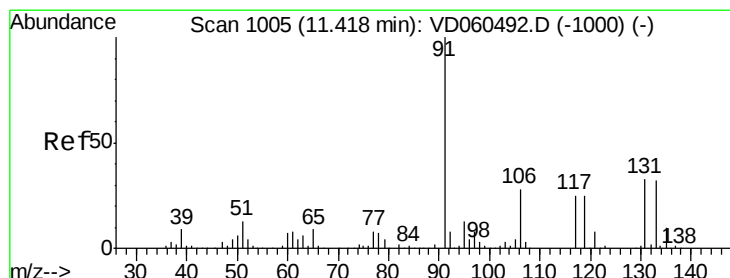
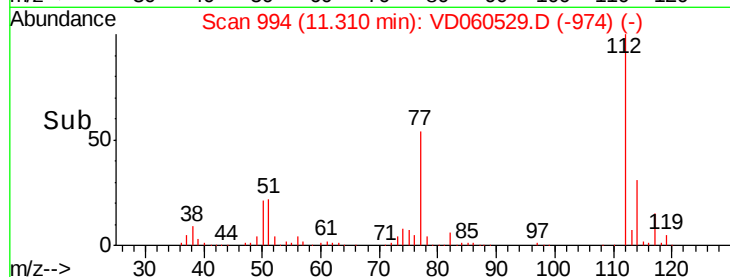
300000

200000

100000

0

Time--> 11.20 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 22.005 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

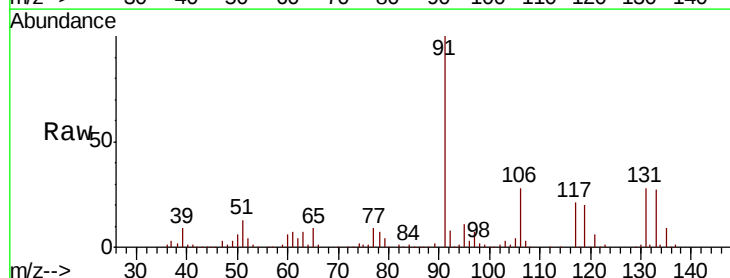
Tgt Ion:131 Resp: 257540

Ion Ratio Lower Upper

131 100

133 97.7 49.1 147.3

119 72.7 37.5 112.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

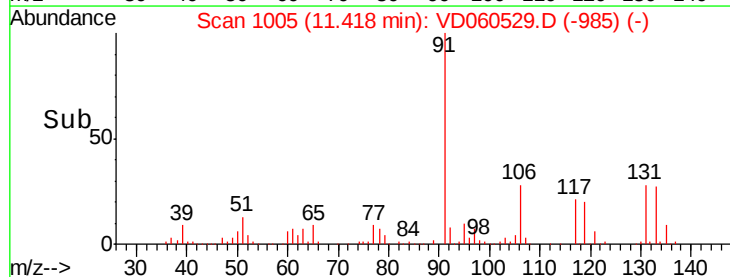
300000

200000

100000

0

Time--> 11.30 11.40 11.50

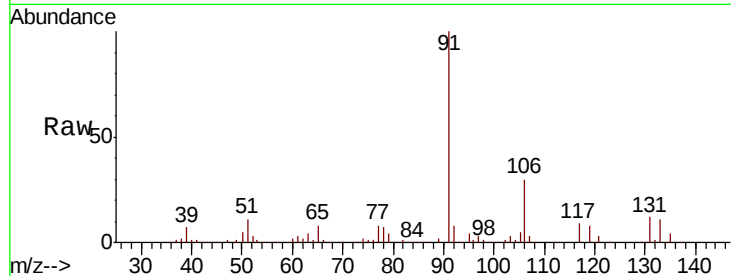




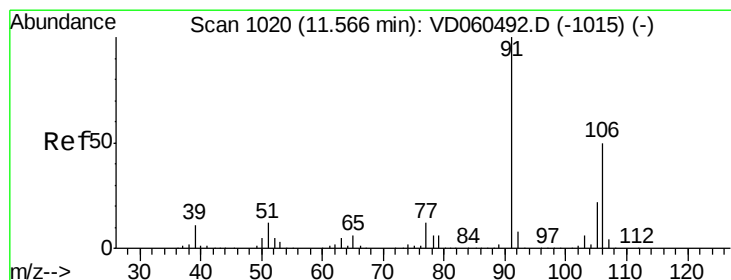
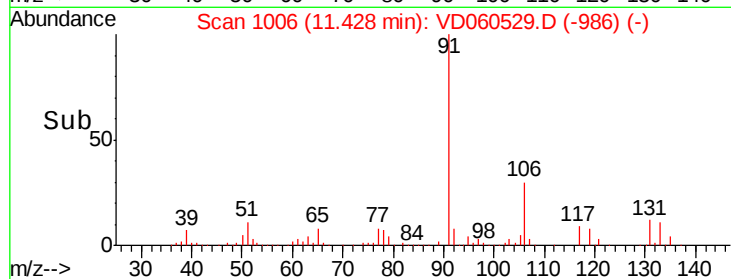
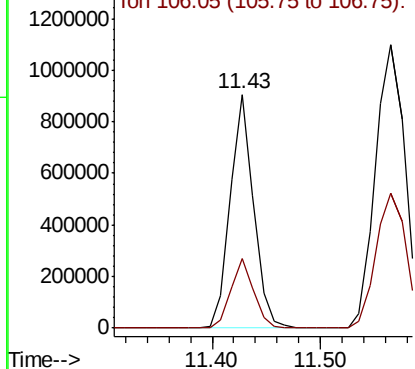
#67
Ethyl Benzene
Concen: 22.062 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion: 91 Resp: 1366481
Ion Ratio Lower Upper
91 100
106 29.9 24.6 37.0

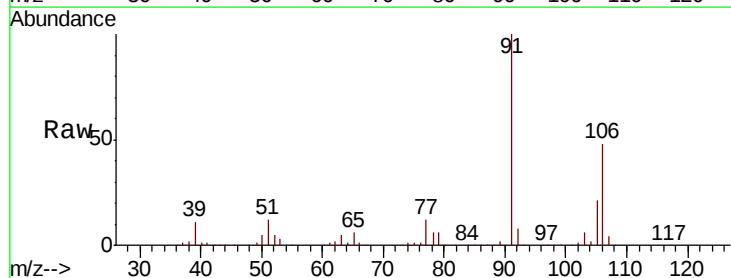


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

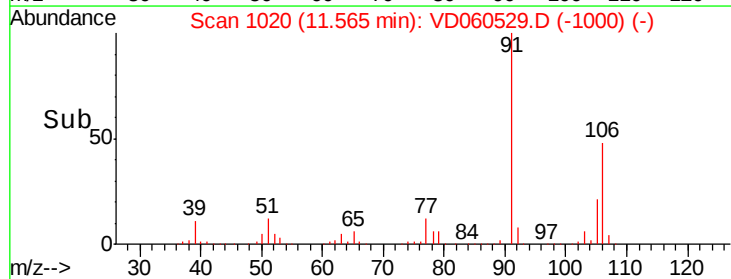
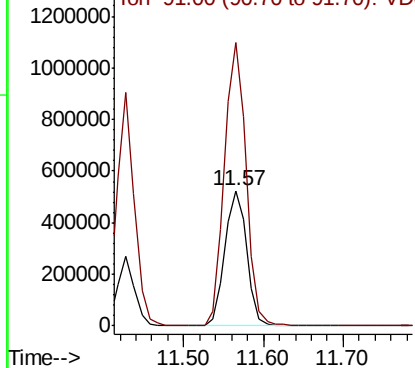


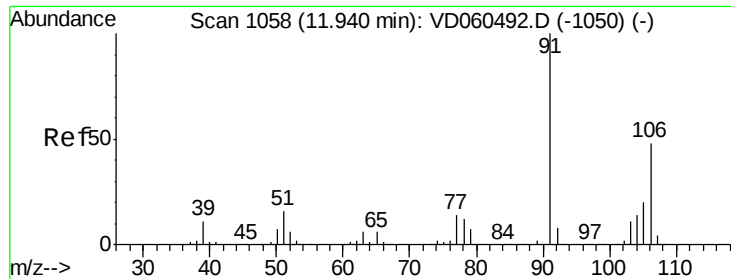
#68
m/p-Xylenes
Concen: 44.443 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 106 Resp: 1018356
Ion Ratio Lower Upper
106 100
91 209.0 160.5 240.7



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

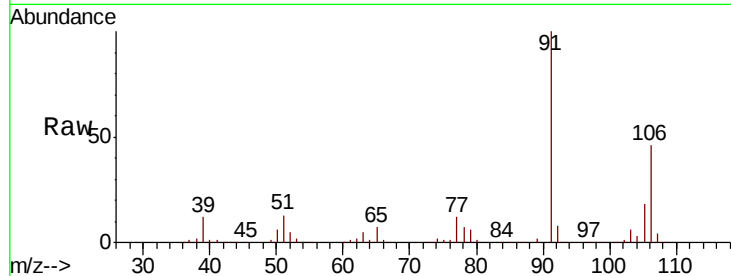




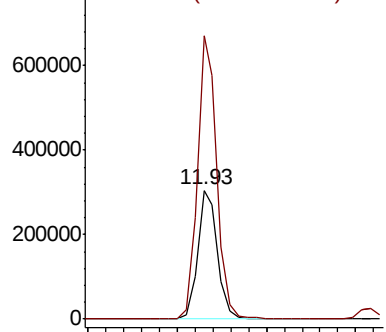
#69
o-Xylene
Concen: 21.787 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

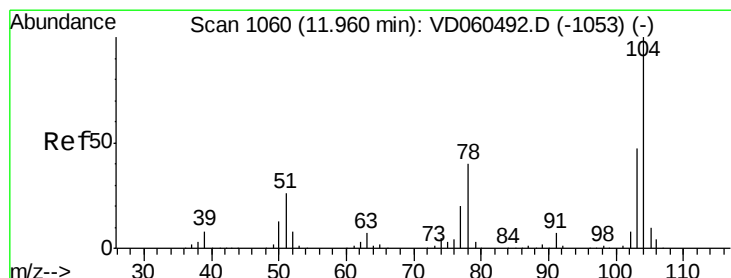
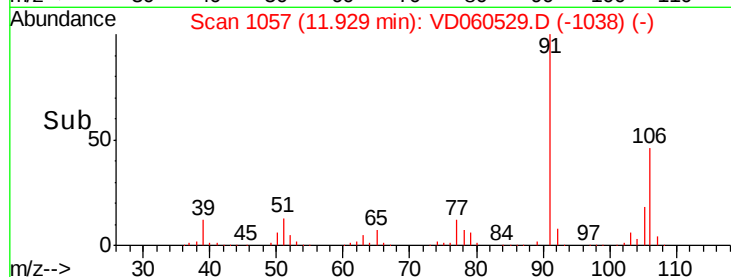
Tot Ion:106 Resp: 475774
Ion Ratio Lower Upper
106 100
91 219.2 103.4 310.1



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

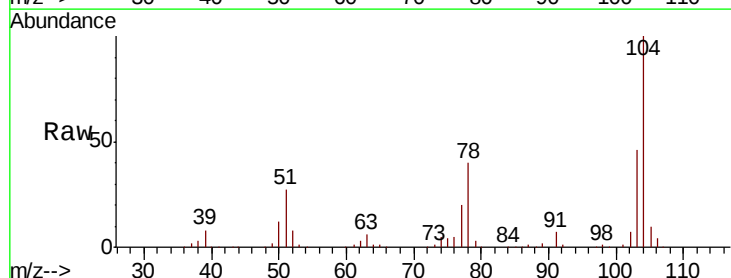


Time--> 11.80 11.90 12.00 12.10

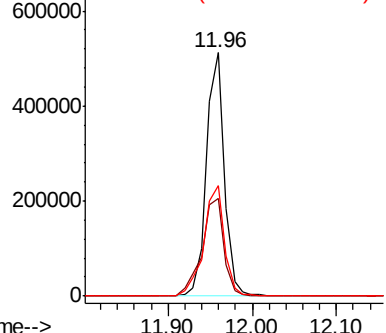


#70
Styrene
Concen: 21.588 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

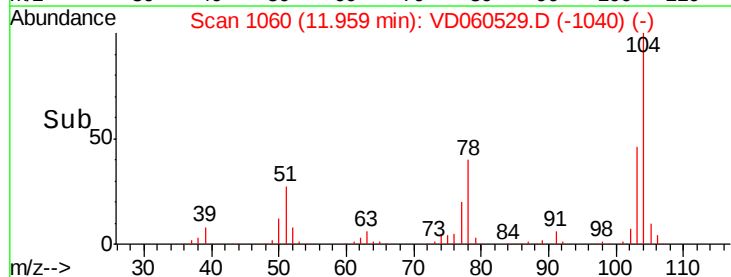
Tgt Ion:104 Resp: 756681
Ion Ratio Lower Upper
104 100
78 39.9 32.1 48.1
103 45.5 37.2 55.8

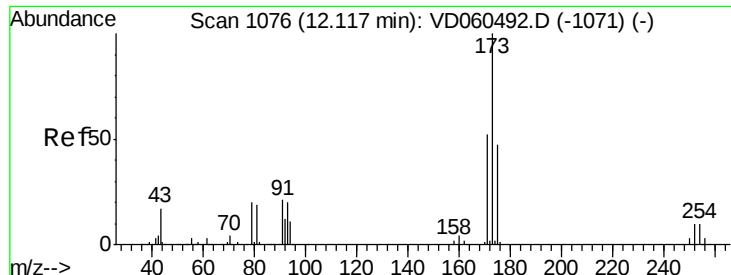


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time--> 11.90 12.00 12.10





#71

Bromoform

Concen: 21.010 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

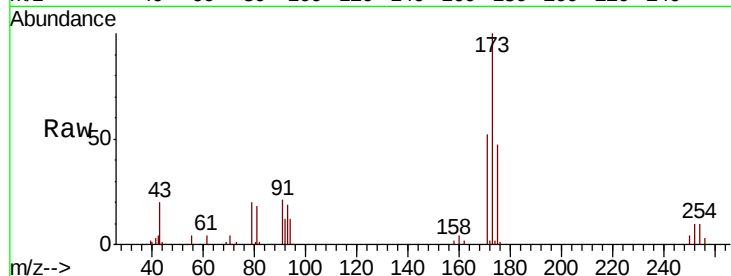
Tot Ion:173 Resp: 164053

Ion Ratio Lower Upper

173 100

175 46.7 23.5 70.6

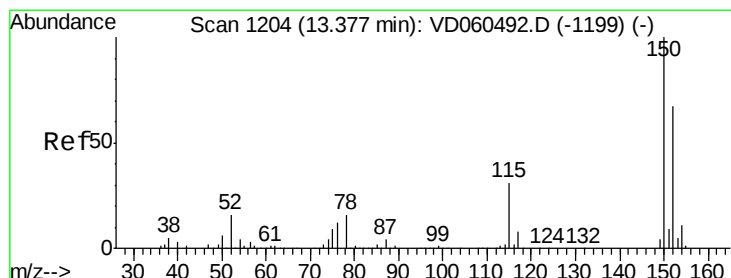
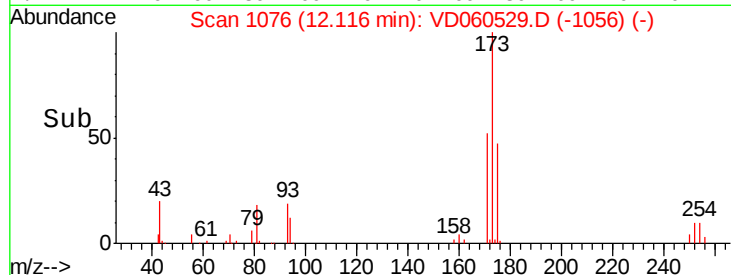
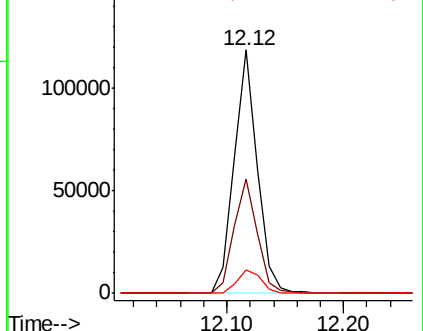
254 9.6 7.8 11.8



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: 13.38 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

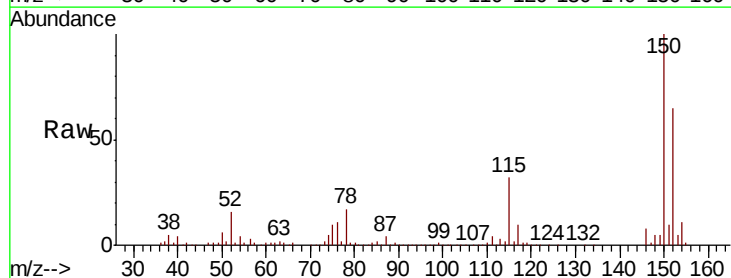
Tgt Ion:152 Resp: 892079

Ion Ratio Lower Upper

152 100

115 48.5 24.6 74.0

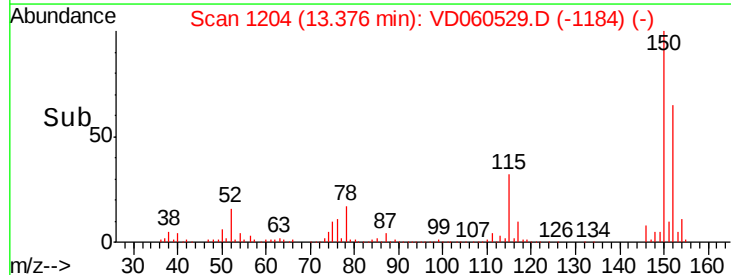
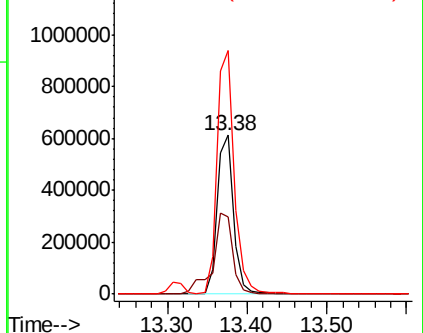
150 153.6 0.0 309.0

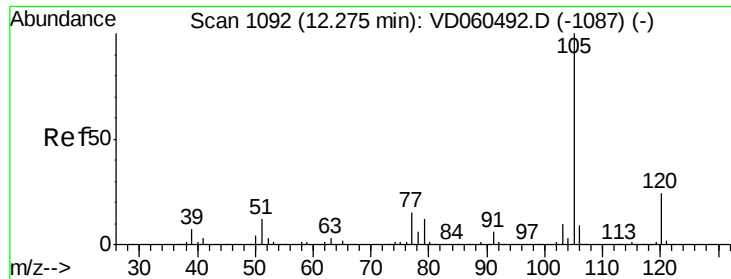


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

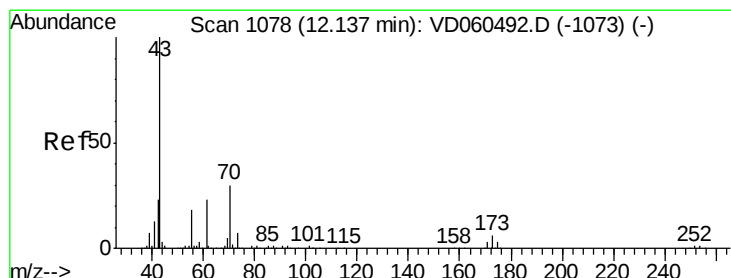
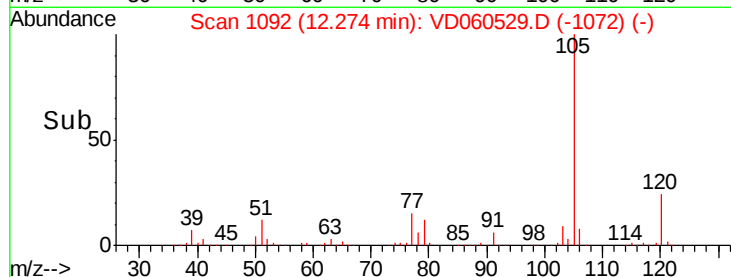
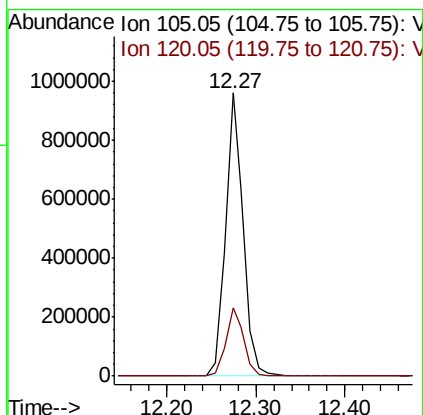
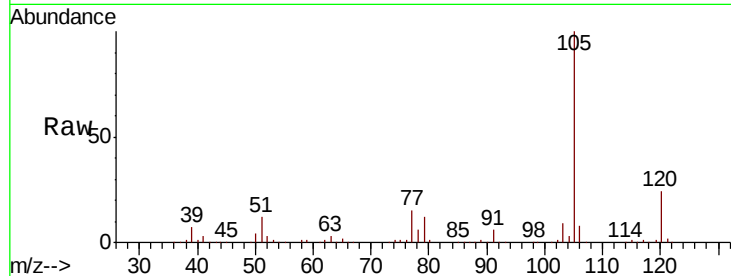




#73
Isopropylbenzene
Concen: 21.148 ug/l
RT: 12.27 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

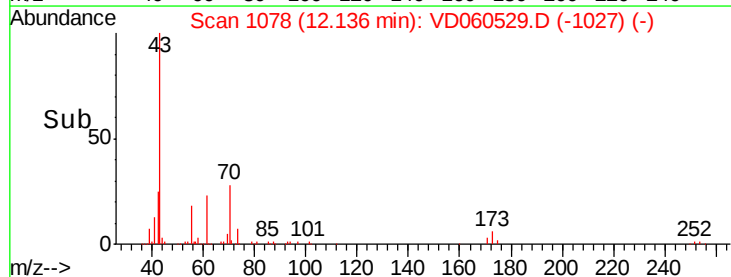
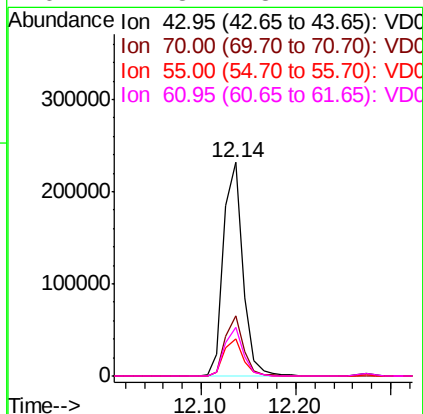
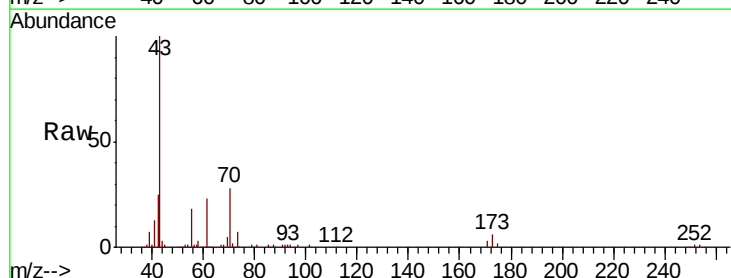
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

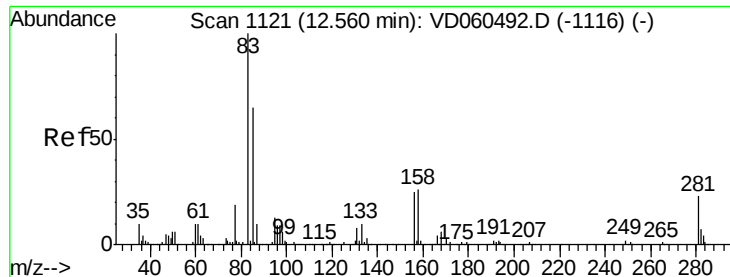
Tot Ion:105 Resp: 1334980
Ion Ratio Lower Upper
105 100
120 24.0 11.9 35.9



#74
N-ethyl acetate
Concen: 21.565 ug/l
RT: 12.14 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 43 Resp: 329015
Ion Ratio Lower Upper
43 100
70 28.1 23.8 35.8
55 17.6 14.2 21.2
61 22.8 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.960 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

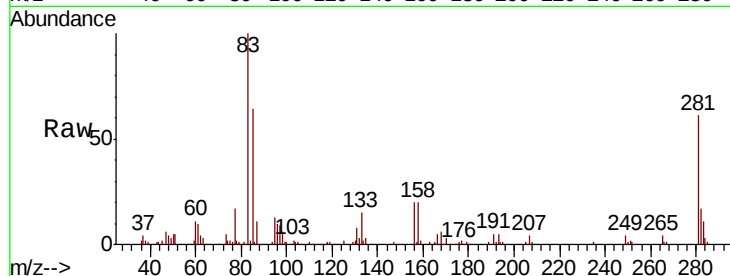
Tot Ion: 83 Resp: 211825

Ion Ratio Lower Upper

83 100

131 7.9 3.8 11.4

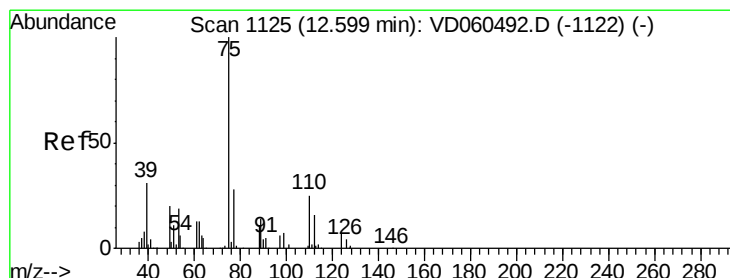
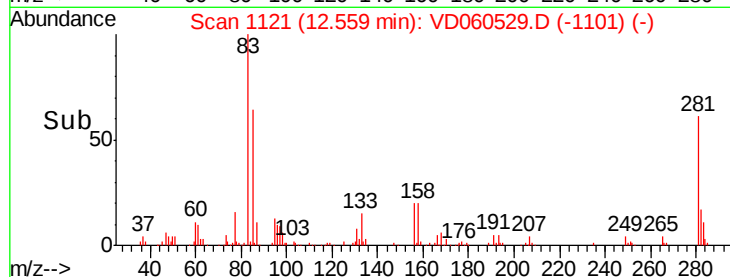
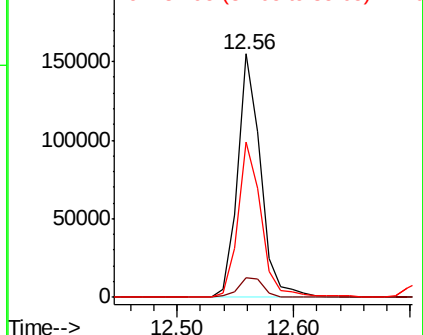
85 63.8 32.3 96.9



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: 21.297 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VD060529.D

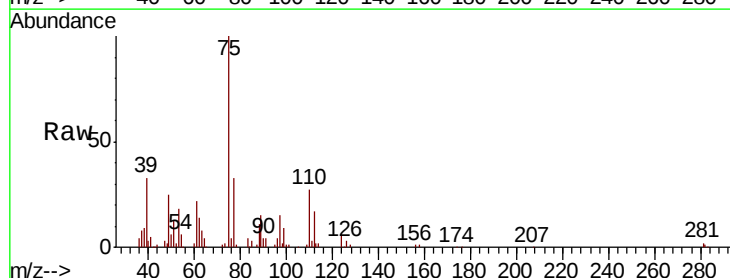
Acq: 11 Dec 2018 12:14

Tgt Ion: 75 Resp: 215268

Ion Ratio Lower Upper

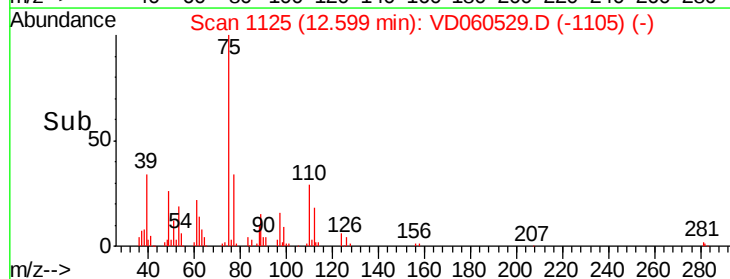
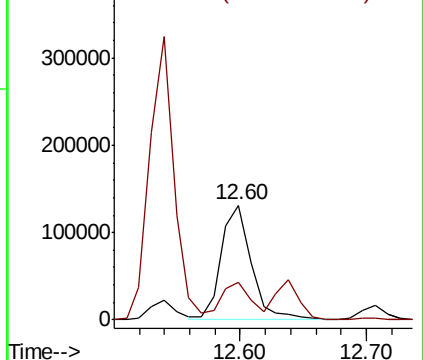
75 100

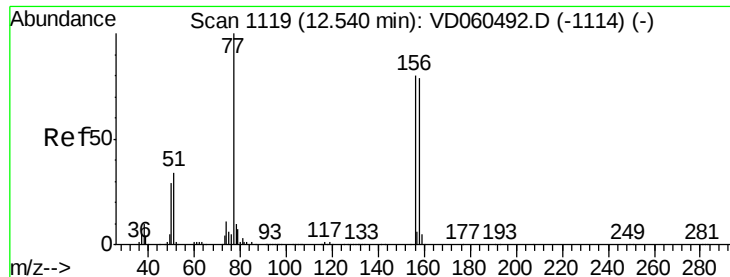
77 32.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

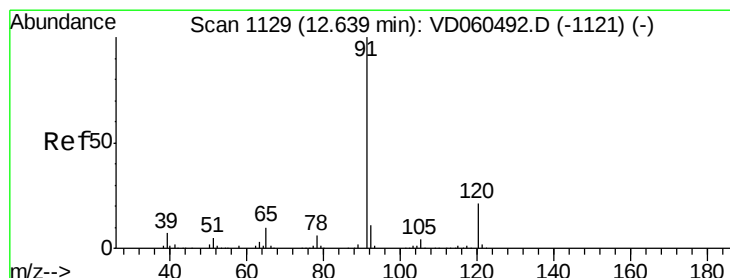
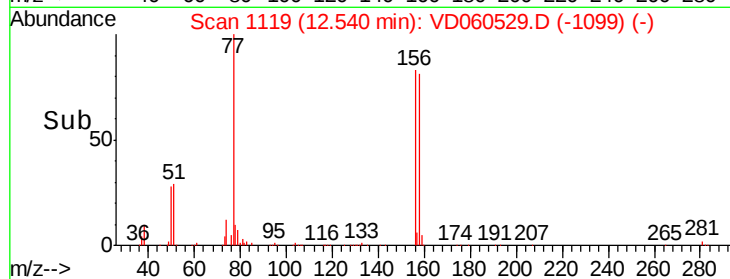
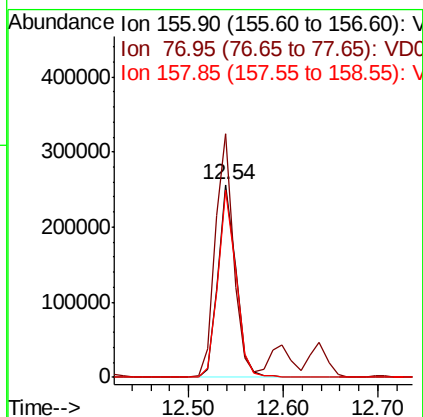
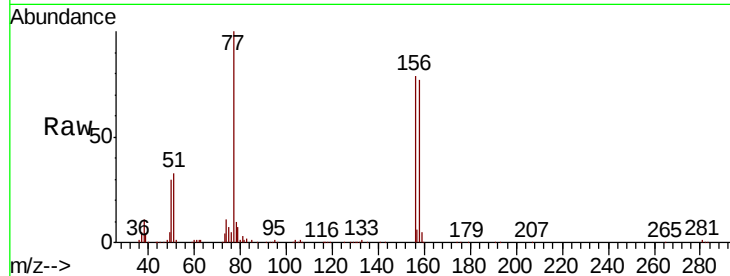




#77
Bromobenzene
Concen: 20.502 ug/l
RT: 12.54 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

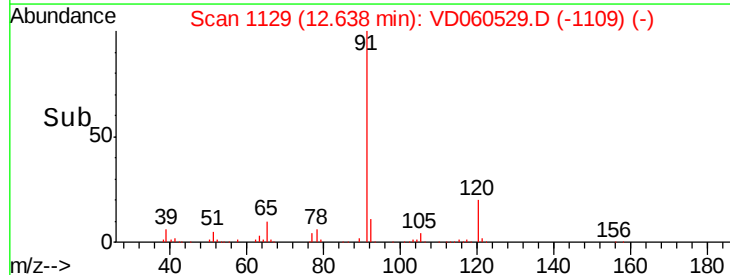
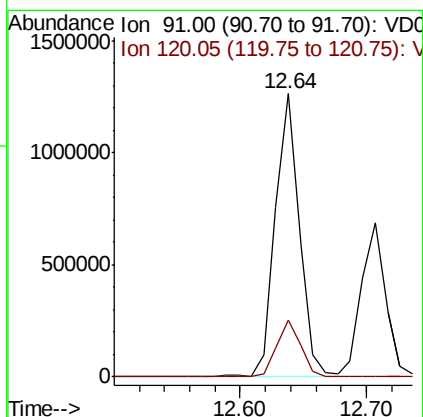
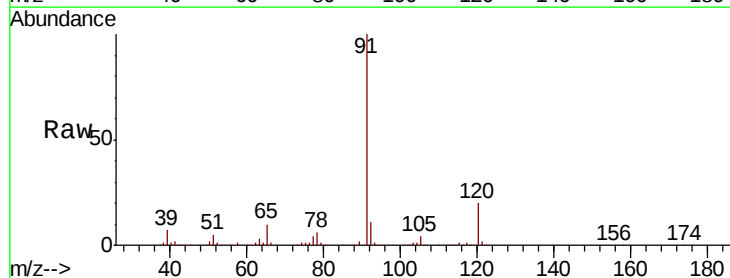
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

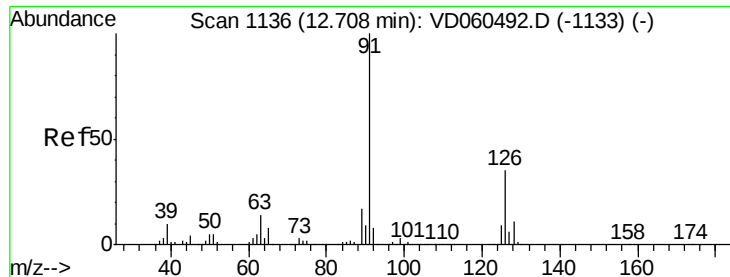
Tot Ion:156 Resp: 340197
Ion Ratio Lower Upper
156 100
77 126.2 62.5 187.6
158 97.0 49.4 148.2



#78
n-propylbenzene
Concen: 21.156 ug/l
RT: 12.64 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 91 Resp: 1688220
Ion Ratio Lower Upper
91 100
120 19.9 10.4 31.1





#79

2-Chlorotoluene

Concen: 21.193 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

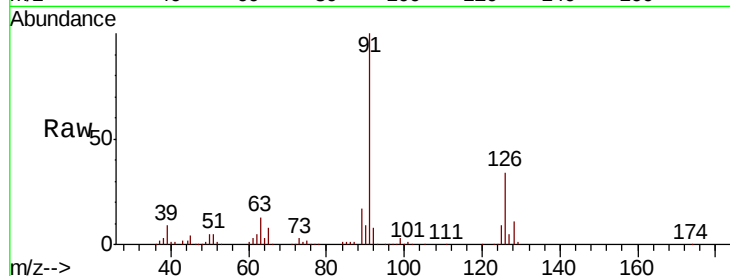
VD1211SBSD01

Tot Ion: 91 Resp: 917675

Ion Ratio Lower Upper

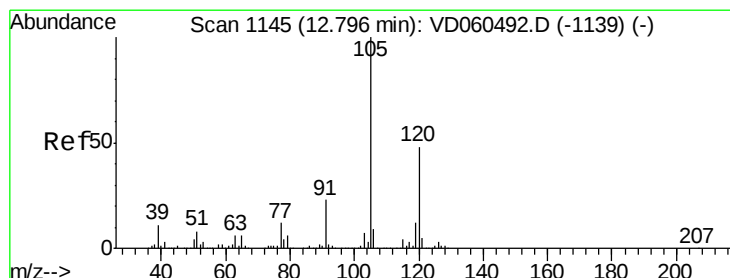
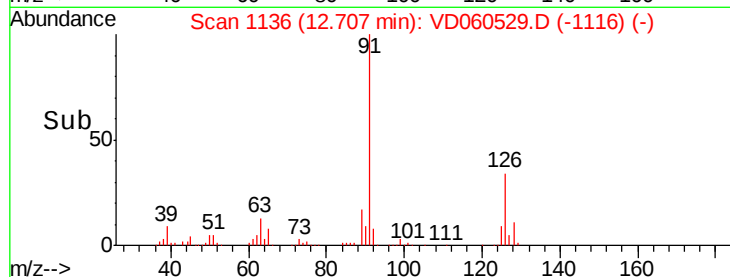
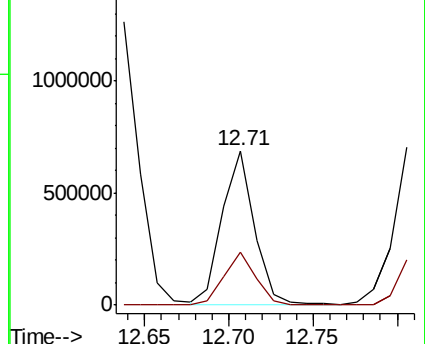
91 100

126 34.1 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.852 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VD060529.D

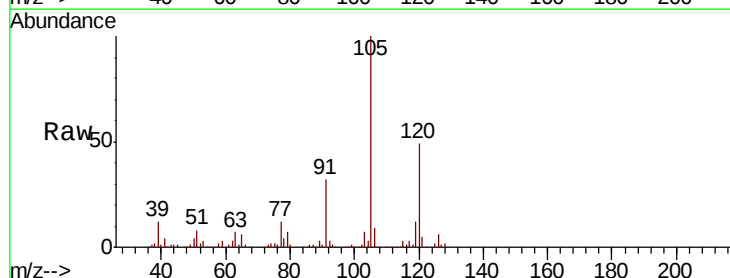
Acq: 11 Dec 2018 12:14

Tgt Ion:105 Resp: 1054077

Ion Ratio Lower Upper

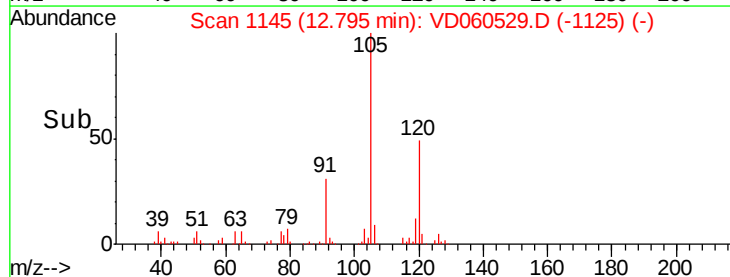
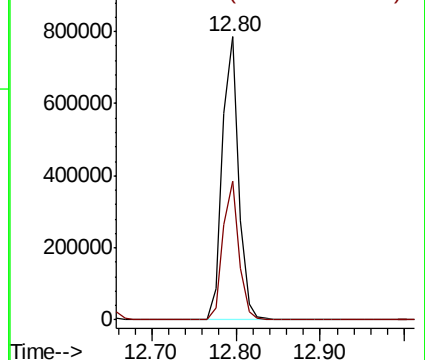
105 100

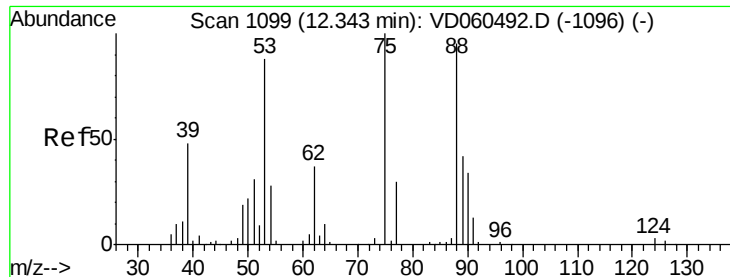
120 48.9 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.038 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

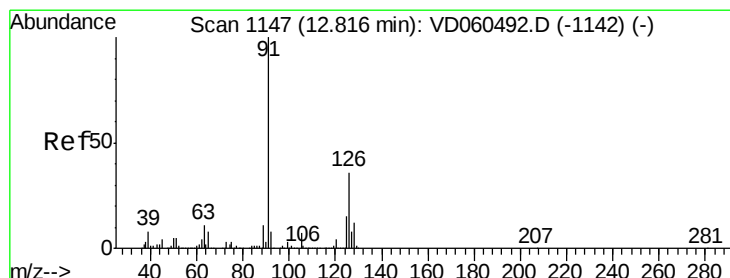
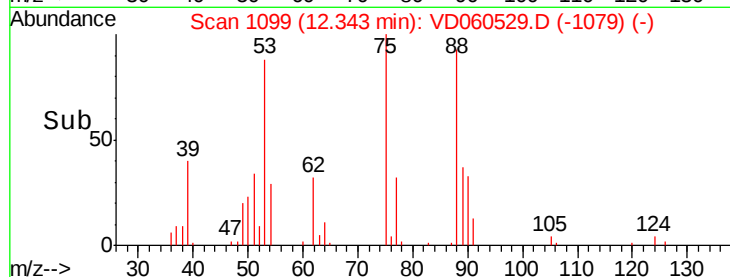
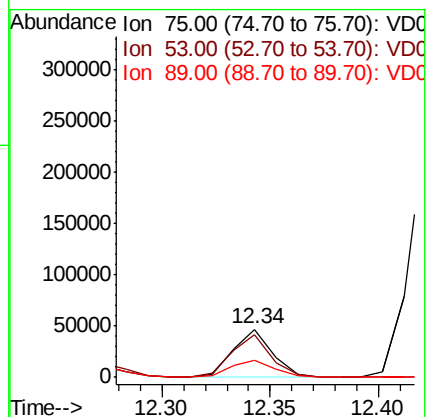
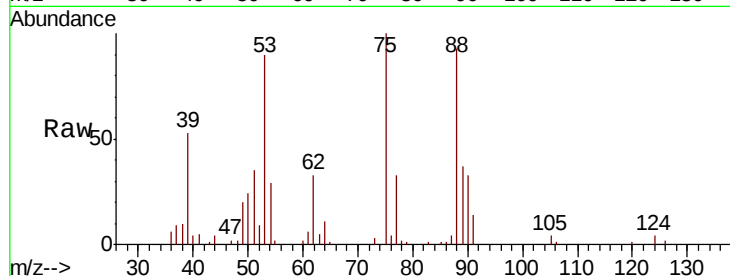
Tot Ion: 75 Resp: 59308

Ion Ratio Lower Upper

75 100

53 90.1 70.5 105.7

89 36.5 33.6 50.4



#82

4-Chlorotoluene

Concen: 21.692 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD060529.D

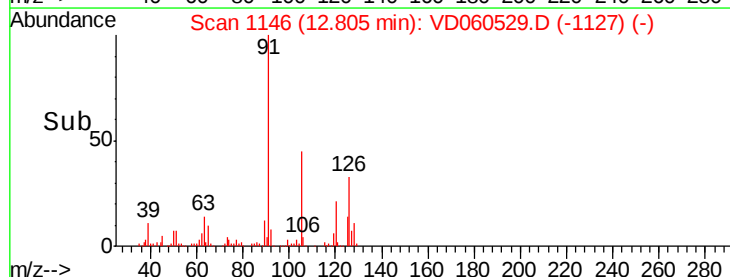
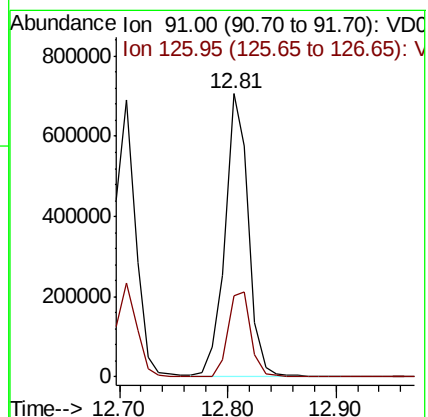
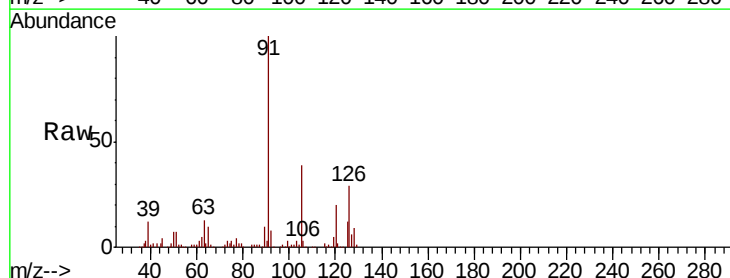
Acq: 11 Dec 2018 12:14

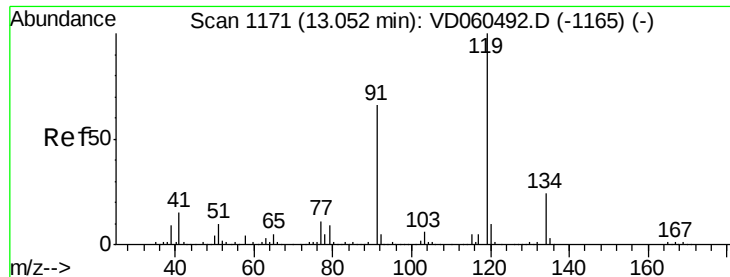
Tgt Ion: 91 Resp: 1054970

Ion Ratio Lower Upper

91 100

126 28.6 17.8 53.4

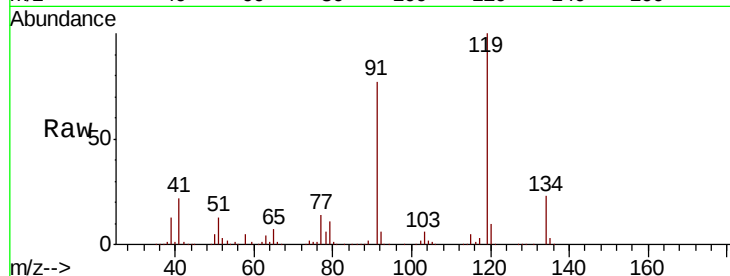




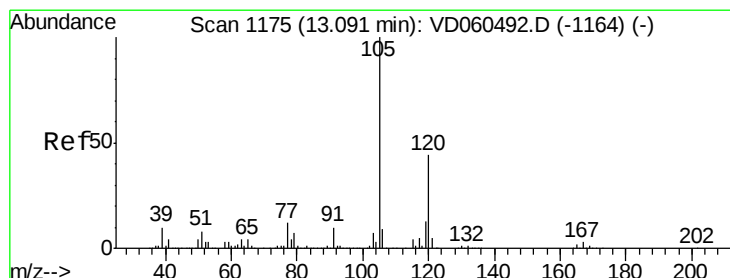
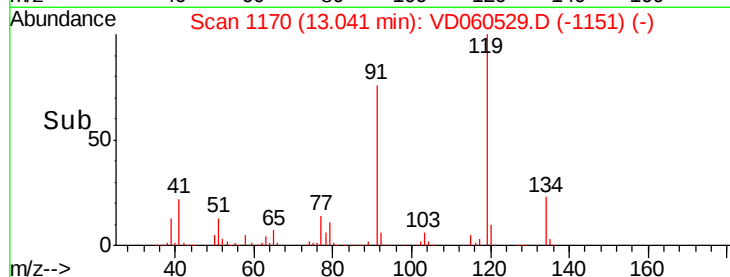
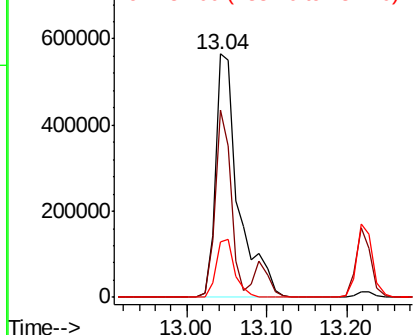
#83
tert-Butylbenzene
Concen: 21.146 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion:119 Resp: 1143675
Ion Ratio Lower Upper
119 100
91 76.9 33.1 99.2
134 22.7 12.0 36.0

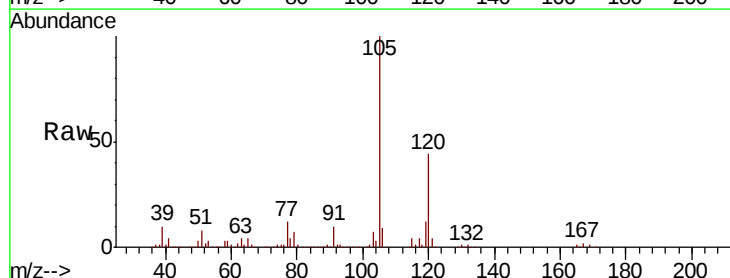


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

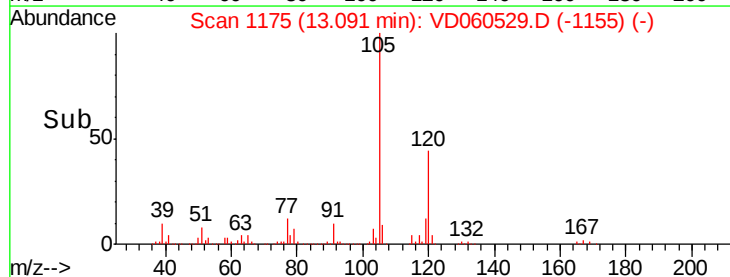
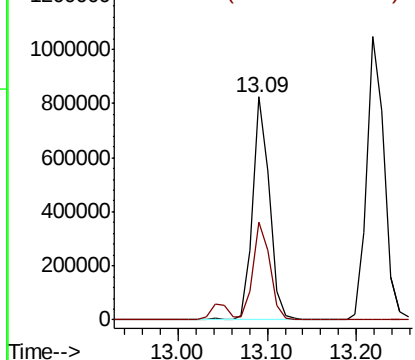


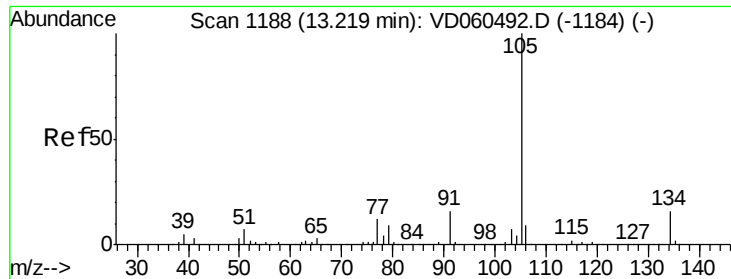
#84
1,2,4-Trimethylbenzene
Concen: 21.179 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion:105 Resp: 1057794
Ion Ratio Lower Upper
105 100
120 43.7 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 20.711 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

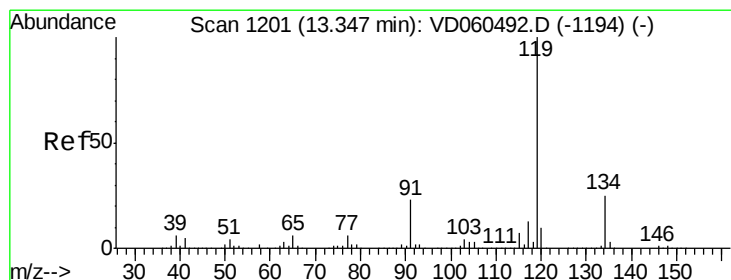
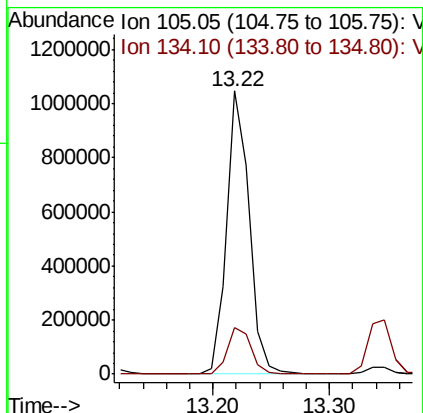
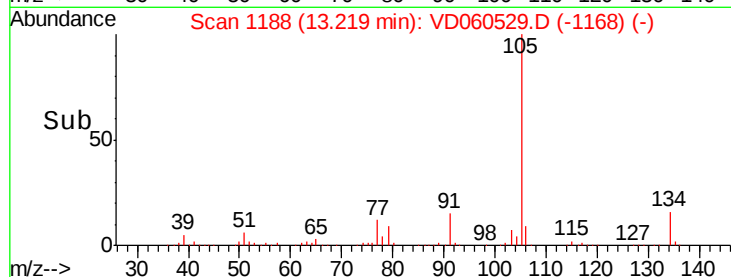
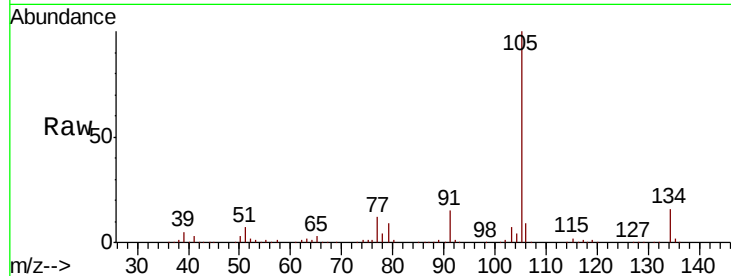
VD1211SBS01

Tot Ion:105 Resp: 1396123

Ion Ratio Lower Upper

105 100

134 16.3 7.9 23.7



#86

p-Isopropyltoluene

Concen: 21.247 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

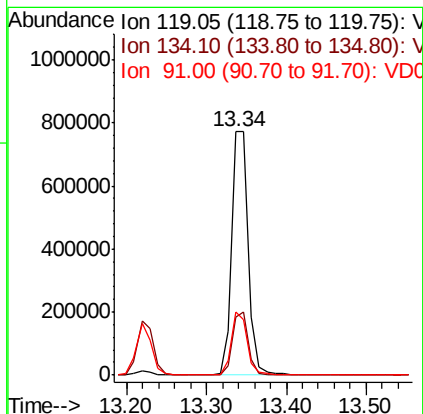
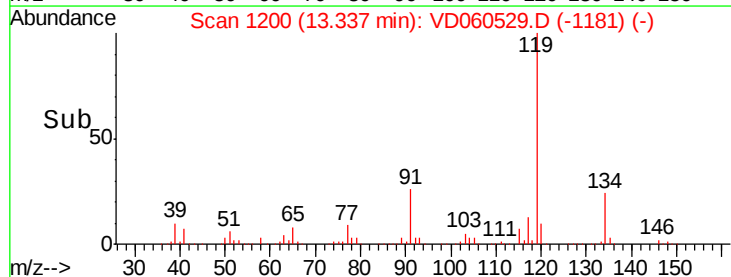
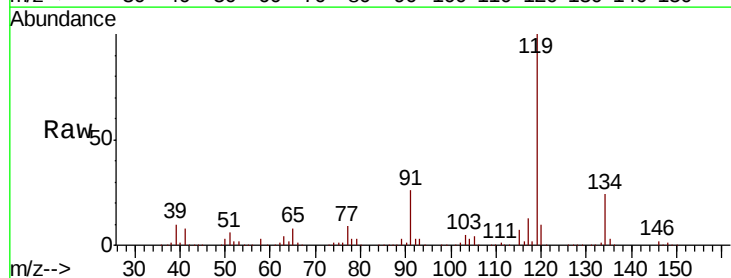
Tgt Ion:119 Resp: 1135352

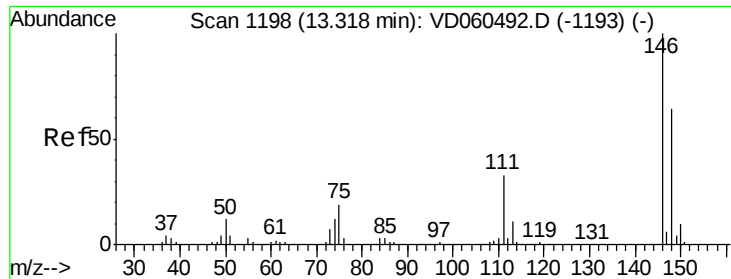
Ion Ratio Lower Upper

119 100

134 24.0 12.5 37.5

91 26.0 11.5 34.4

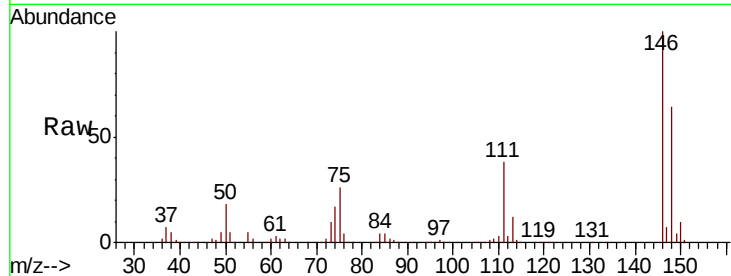




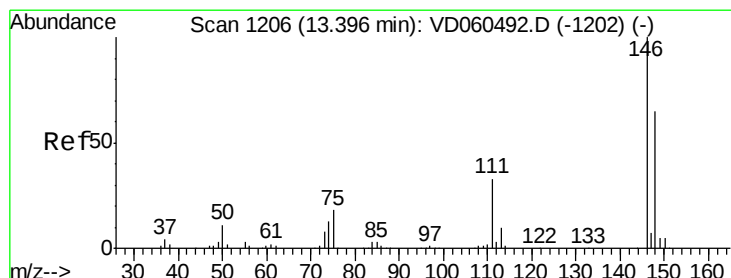
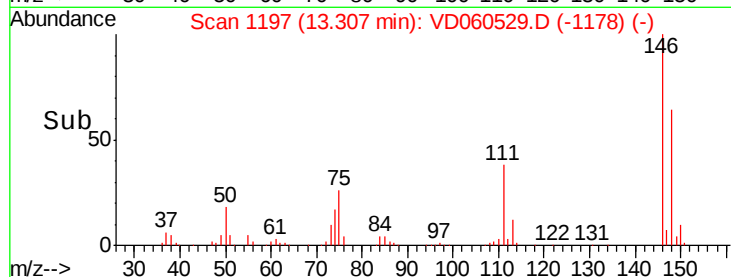
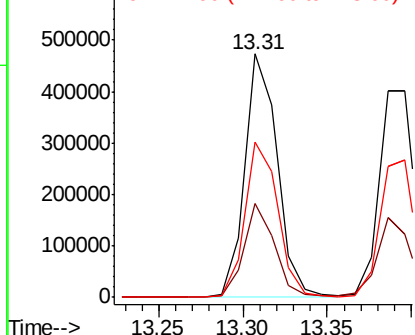
#87
 1,3-Dichlorobenzene
 Concen: 21.074 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

Tot Ion:146 Resp: 633145
 Ion Ratio Lower Upper
 146 100
 111 38.4 16.5 49.5
 148 63.5 32.3 96.8

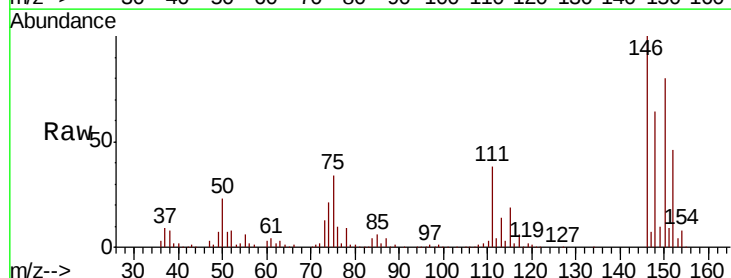


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

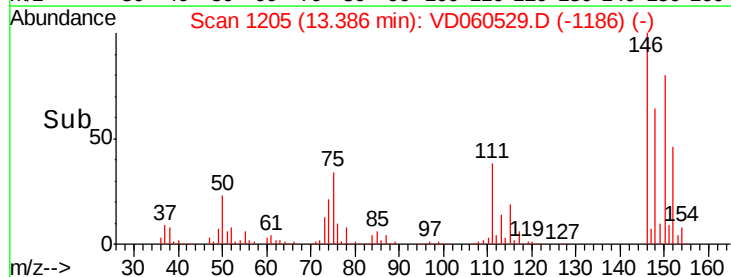
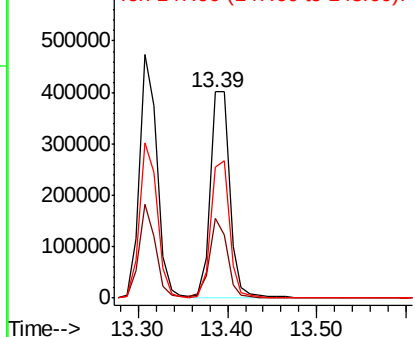


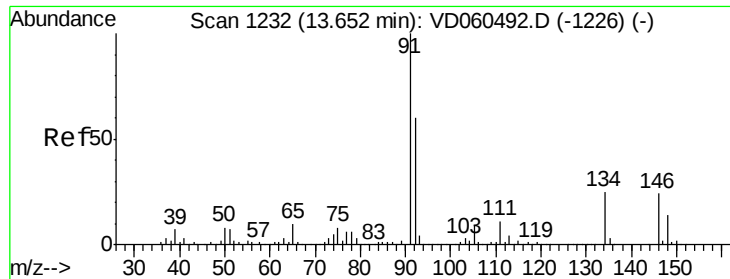
#88
 1,4-Dichlorobenzene
 Concen: 20.527 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion:146 Resp: 605008
 Ion Ratio Lower Upper
 146 100
 111 38.4 16.4 49.1
 148 63.5 32.6 98.0



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

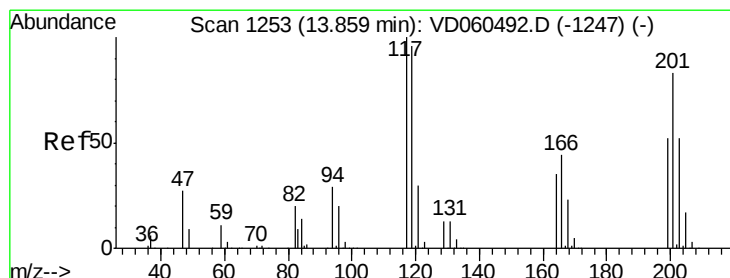
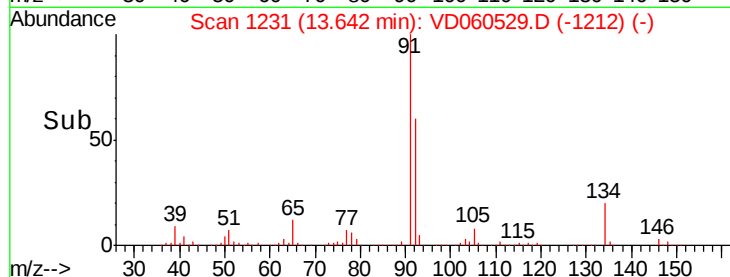
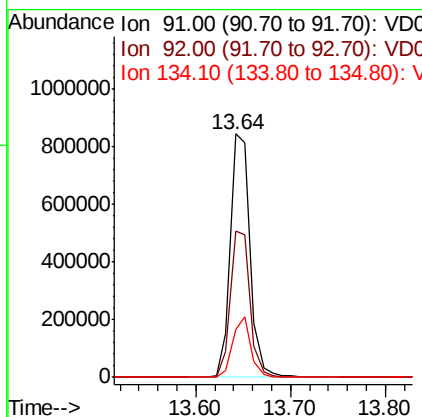
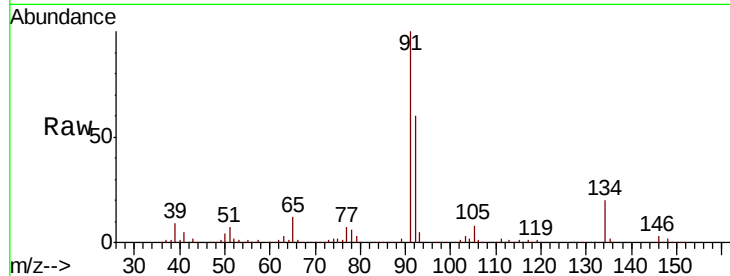




#89
n-Butylbenzene
Concen: 20.544 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

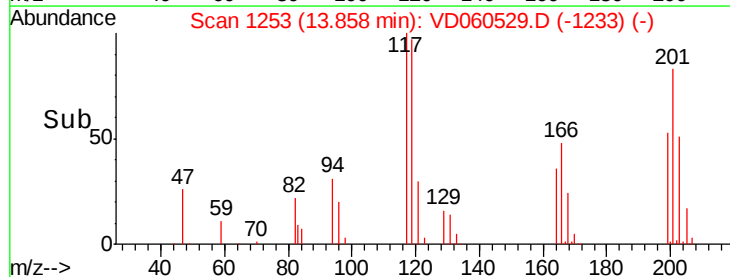
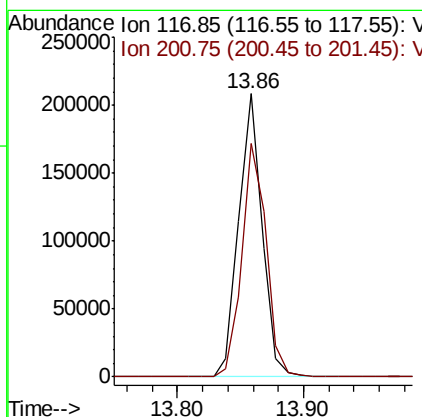
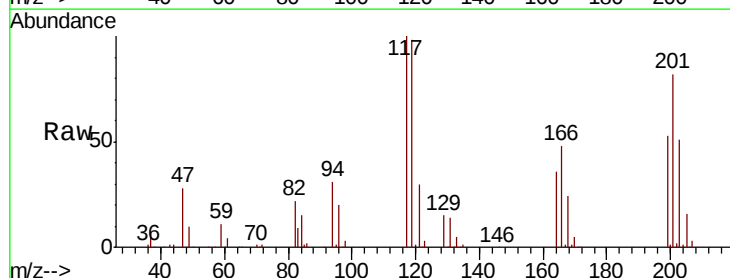
Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

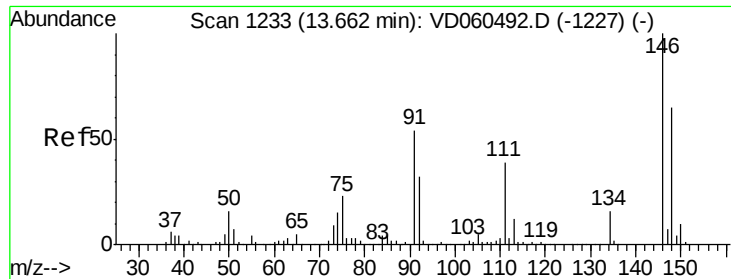
Tot Ion: 91 Resp: 1220024
Ion Ratio Lower Upper
91 100
92 60.0 30.0 90.1
134 19.7 12.5 37.5



#90
Hexachloroethane
Concen: 19.837 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 117 Resp: 265768
Ion Ratio Lower Upper
117 100
201 82.5 41.3 123.9





#91

1,2-Dichlorobenzene

Concen: 21.744 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

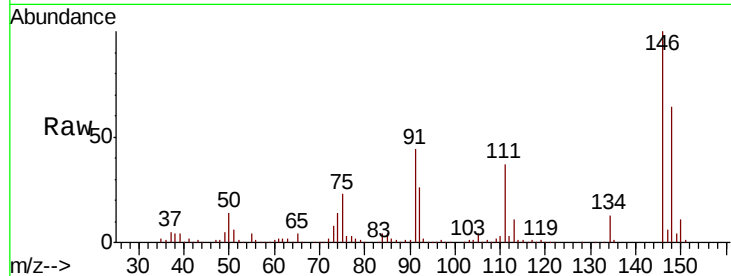
Tot Ion:146 Resp: 533853

Ion Ratio Lower Upper

146 100

111 36.9 19.3 57.8

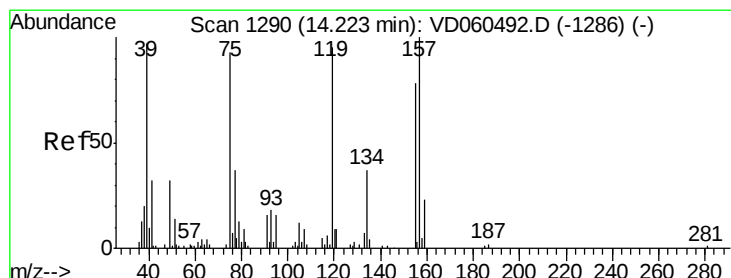
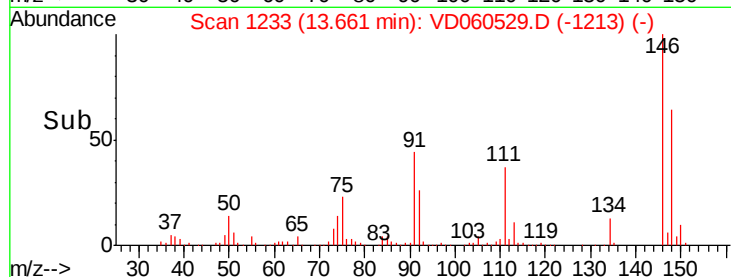
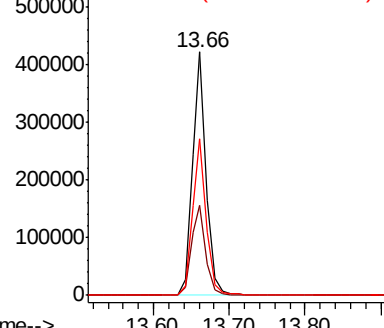
148 64.4 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.374 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

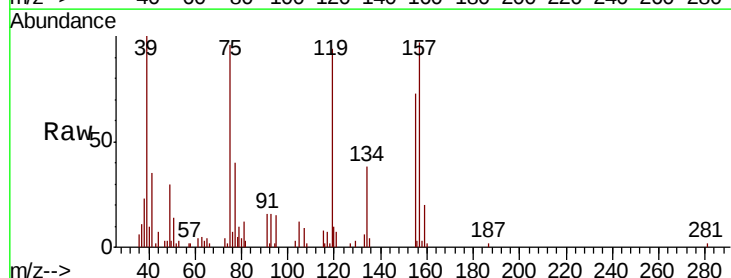
Tgt Ion: 75 Resp: 26173

Ion Ratio Lower Upper

75 100

155 76.1 41.6 124.9

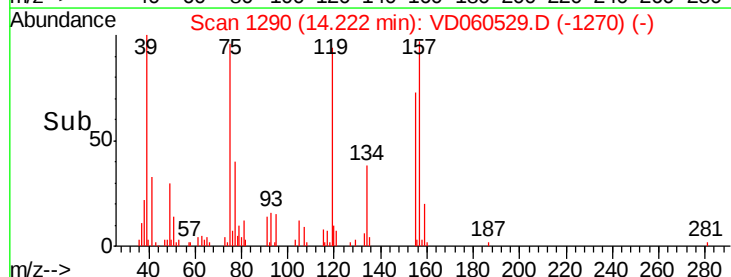
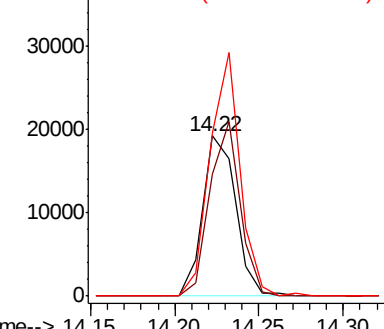
157 101.9 53.6 160.8

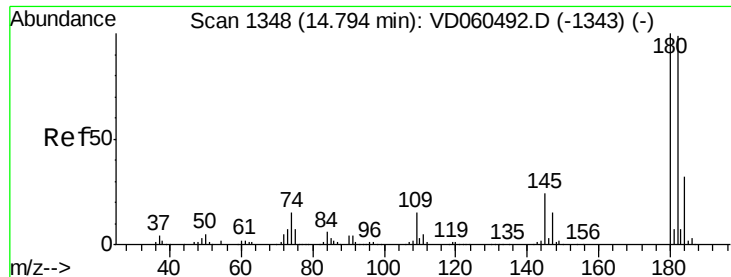


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

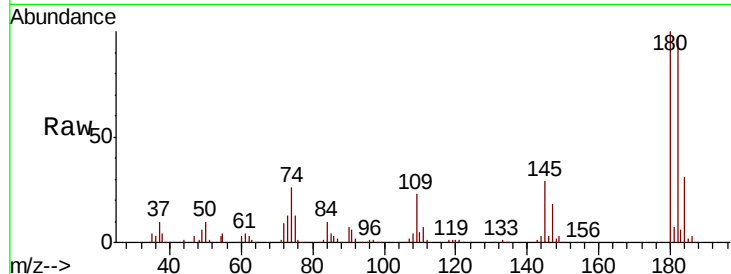




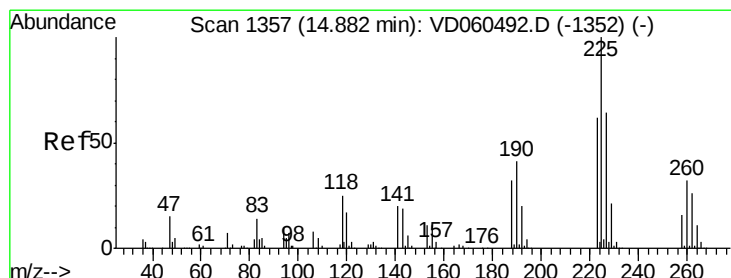
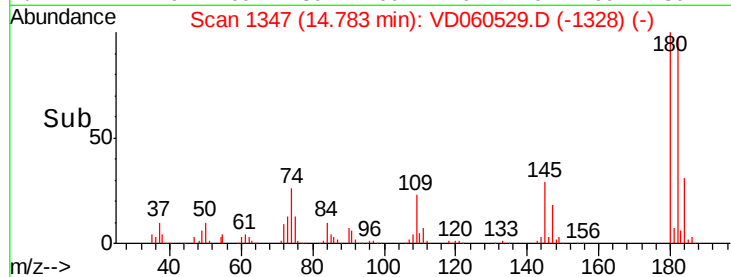
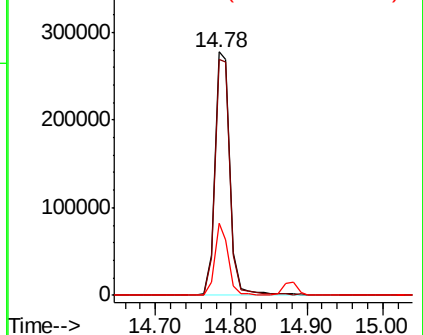
#93
 1,2,4-Trichlorobenzene
 Concen: 20.732 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion:180 Resp: 397923
 Ion Ratio Lower Upper
 180 100
 182 96.7 49.4 148.0
 145 29.4 11.9 35.9

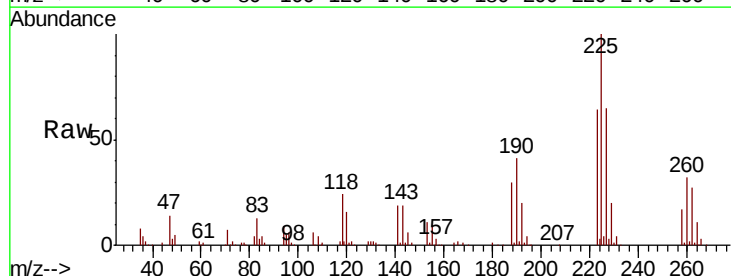


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

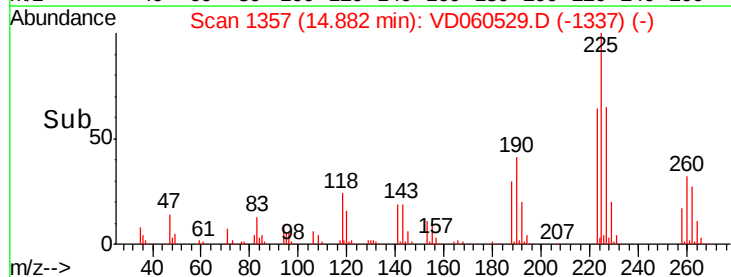
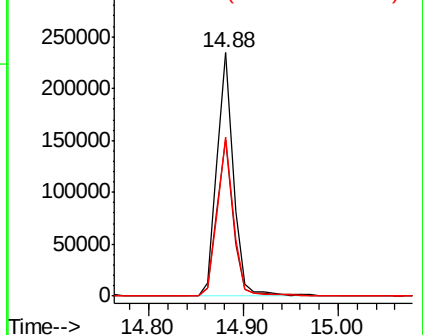


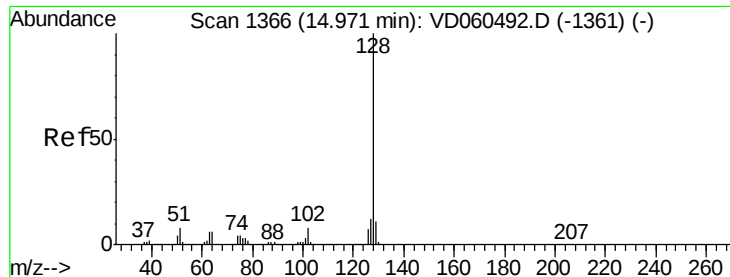
#94
 Hexachlorobutadiene
 Concen: 20.316 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion:225 Resp: 287696
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.2 93.6
 227 65.5 32.0 96.0



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

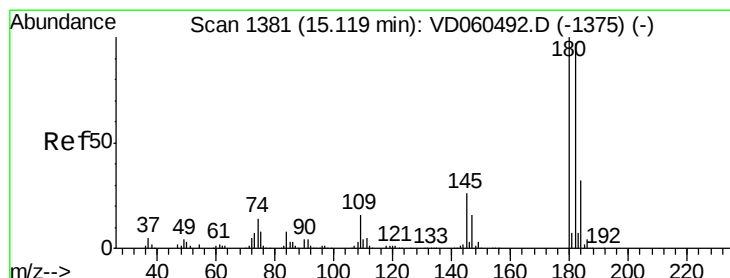
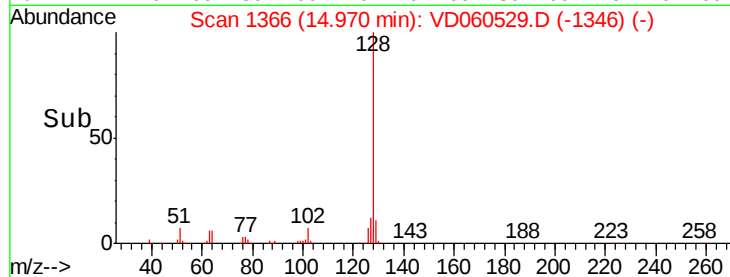
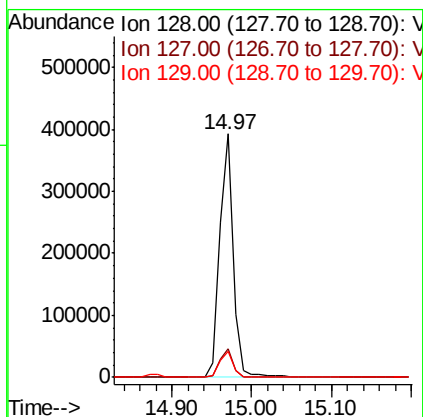
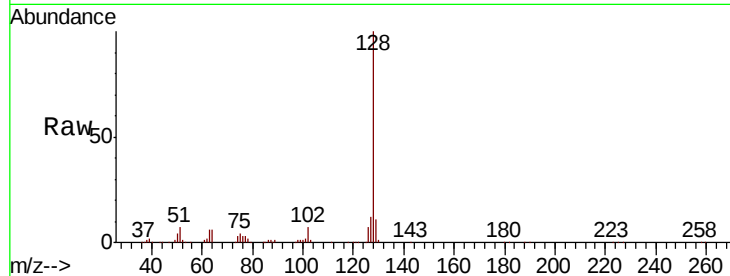




#95
Naphthalene
Concen: 20.915 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion:128 Resp: 477549
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.804 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion:180 Resp: 318162
Ion Ratio Lower Upper
180 100
182 95.4 48.5 145.5
145 24.9 12.9 38.7

