

Data File : VD060491.D
Acq On : 5 Dec 2018 14:37
Operator : VA/AP
Sample : VSTDIC020
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Quant Time: Dec 06 00:43:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 00:38:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1696931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2384329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1885628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	907882	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	218061	17.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.98%	
35) Dibromofluoromethane	6.34	113	315441	17.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.82%	
50) Toluene-d8	9.46	98	922457	17.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.66%	
62) 4-Bromofluorobenzene	12.43	95	336035	17.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.92%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.60	85	445860	28.473	ug/l	98
3) Chloromethane	1.78	50	369142	22.703	ug/l	95
4) Vinyl Chloride	1.87	62	294013	22.191	ug/l	97
5) Bromomethane	2.16	94	44169	13.848	ug/l	88
6) Chloroethane	2.27	64	73410	16.859	ug/l	99
7) Trichlorofluoromethane	2.53	101	322007	20.578	ug/l	97
8) Diethyl Ether	2.84	74	54235	19.288	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.11	101	214085	21.081	ug/l	95
10) Methyl Iodide	3.27	142	247460	18.882	ug/l	98
11) Tert butyl alcohol	3.99	59	41421	83.430	ug/l	96
12) 1,1-Dichloroethene	3.09	96	178405	21.579	ug/l	97
13) Acrolein	3.00	56	52586	90.672	ug/l	88
14) Allyl chloride	3.55	41	318969	20.087	ug/l	99
15) Acrylonitrile	4.10	53	261972	90.424	ug/l	97
16) Acetone	3.18	43	171829	81.889	ug/l	99
17) Carbon Disulfide	3.33	76	576648	21.479	ug/l	100
18) Methyl Acetate	3.58	43	94846	20.868	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	450192	18.249	ug/l	99
20) Methylene Chloride	3.74	84	395944	21.003	ug/l	99
21) trans-1,2-Dichloroethene	4.11	96	362152	19.630	ug/l	96
22) Diisopropyl ether	4.87	45	1146610	19.423	ug/l	99
23) Vinyl Acetate	4.82	43	2777897	94.222	ug/l	99
24) 1,1-Dichloroethane	4.77	63	599906	19.748	ug/l	99
25) 2-Butanone	5.63	43	346189	80.259	ug/l	99
26) 2,2-Dichloropropane	5.60	77	469049	19.957	ug/l	100
27) cis-1,2-Dichloroethene	5.61	96	371823	19.431	ug/l	100
28) Bromochloromethane	5.93	49	253725	18.930	ug/l	89
29) Tetrahydrofuran	5.96	42	203749	88.614	ug/l	100
30) Chloroform	6.11	83	599254	19.729	ug/l	97
31) Cyclohexane	6.38	56	576038	19.917	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	507103	19.879	ug/l	98
36) 1,1-Dichloropropene	6.53	75	476920	20.234	ug/l	97
37) Ethyl Acetate	5.71	43	186712	17.296	ug/l	99
38) Carbon Tetrachloride	6.50	117	423778	19.490	ug/l	100

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39) Methylcyclohexane	8.05	83	543738	20.114	ug/l	97
40) Benzene	6.80	78	1198926	19.990	ug/l	100
41) Methacrylonitrile	5.96	41	223113	19.995	ug/l #	67
42) 1,2-Dichloroethane	6.91	62	293696	18.819	ug/l	100
43) Isopropyl Acetate	8.35	43	231757	17.237	ug/l #	99
44) Trichloroethene	7.74	130	355542	19.540	ug/l	97
45) 1,2-Dichloropropane	8.11	63	294867	19.540	ug/l	99
46) Dibromomethane	8.23	93	165127	18.648	ug/l	97
47) Bromodichloromethane	8.49	83	394494	18.985	ug/l	99
48) Methyl methacrylate	8.26	41	141439	17.247	ug/l	97
49) 1,4-Dioxane	8.24	88	25060	349.835	ug/l #	89
51) 4-Methyl-2-Pentanone	9.35	43	738737	84.309	ug/l	100
52) Toluene	9.55	92	751760	19.644	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	327903	18.761	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	425227	18.813	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	196321	17.715	ug/l	97
56) Ethyl methacrylate	10.04	69	176024	17.395	ug/l	98
57) 1,3-Dichloropropane	10.39	76	314059	18.670	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	568755	93.410	ug/l	99
59) 2-Hexanone	10.49	43	505065	81.328	ug/l	98
60) Dibromochloromethane	10.65	129	246948	18.363	ug/l	97
61) 1,2-Dibromoethane	10.76	107	201583	18.183	ug/l	94
64) Tetrachloroethene	10.25	164	329744	19.534	ug/l	98
65) Chlorobenzene	11.32	112	805933	19.784	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	260105	19.525	ug/l	98
67) Ethyl Benzene	11.43	91	1430894	20.459	ug/l	99
68) m/p-Xylenes	11.57	106	1005822	39.084	ug/l	100
69) o-Xylene	11.94	106	484418	19.503	ug/l	94
70) Styrene	11.96	104	792986	19.654	ug/l	97
71) Bromoform	12.11	173	162010	18.039	ug/l	98
73) Isopropylbenzene	12.28	105	1351276	20.359	ug/l	98
74) N-amyl acetate	12.13	43	312044	18.445	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.57	83	204869	19.071	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	205283	18.982	ug/l	98
77) Bromobenzene	12.55	156	347161	19.783	ug/l	90
78) n-propylbenzene	12.63	91	1706196	20.729	ug/l	95
79) 2-Chlorotoluene	12.70	91	909008	20.062	ug/l	93
80) 1,3,5-Trimethylbenzene	12.79	105	1052636	20.577	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	57119	18.540	ug/l	93
82) 4-Chlorotoluene	12.81	91	1049777	20.702	ug/l	94
83) tert-Butylbenzene	13.05	119	1140459	20.025	ug/l	95
84) 1,2,4-Trimethylbenzene	13.10	105	1065354	20.787	ug/l	98
85) sec-Butylbenzene	13.22	105	1469246	21.129	ug/l	95
86) p-Isopropyltoluene	13.34	119	1140676	20.401	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	633982	20.326	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	622357	20.471	ug/l	97
89) n-Butylbenzene	13.65	91	1208000	21.111	ug/l	97
90) Hexachloroethane	13.85	117	284034	21.116	ug/l	80
91) 1,2-Dichlorobenzene	13.66	146	544759	21.308	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	23677	18.314	ug/l	71

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
Quantitation Report (Not Reviewed)

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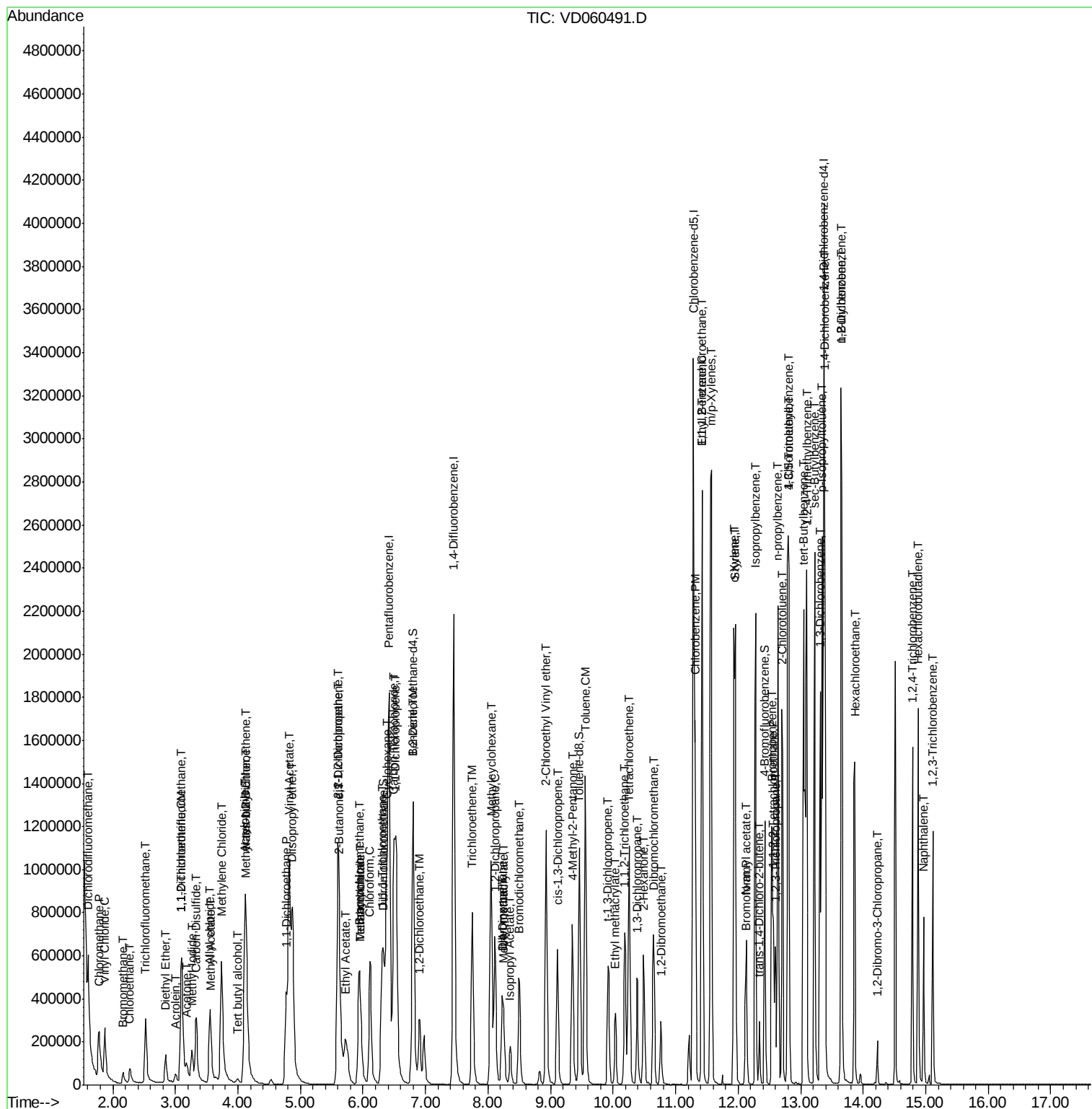
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	392616	19.387	ug/l	98
94) Hexachlorobutadiene	14.88	225	302207	20.034	ug/l	98
95) Naphthalene	14.97	128	450559	18.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	304130	18.792	ug/l	98

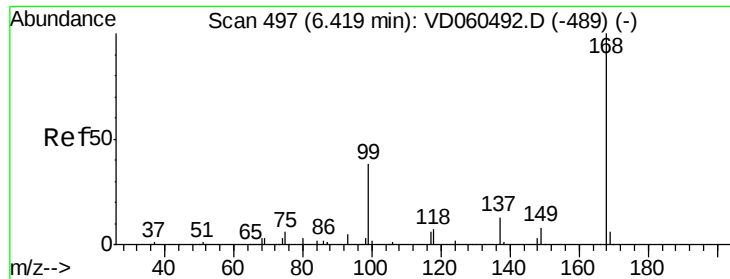
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

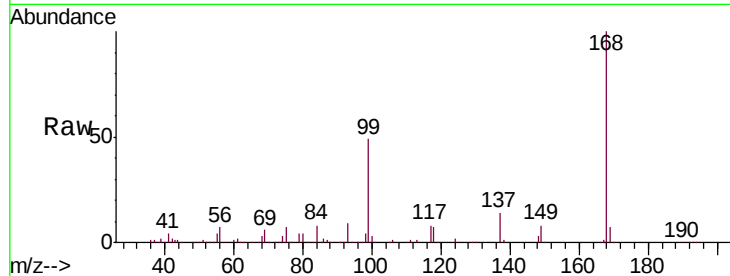
VSTDIC020

Tgt Ion:168 Resp: 1696931

Ion Ratio Lower Upper

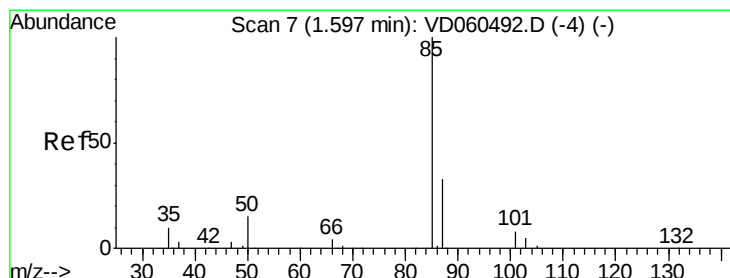
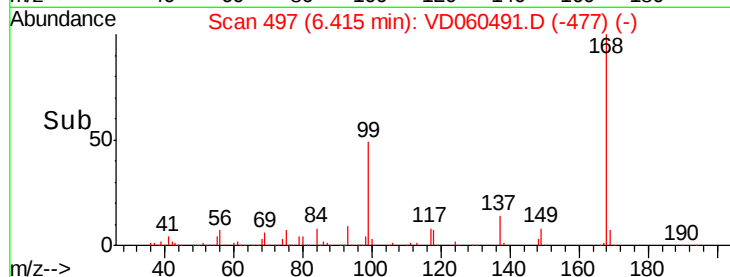
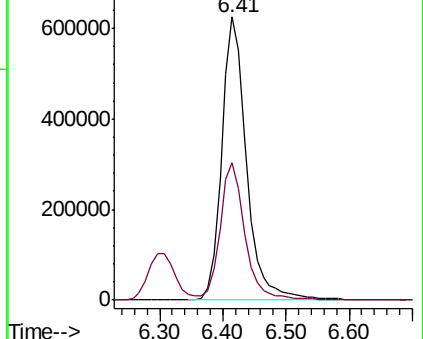
168 100

99 48.6 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 28.473 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060491.D

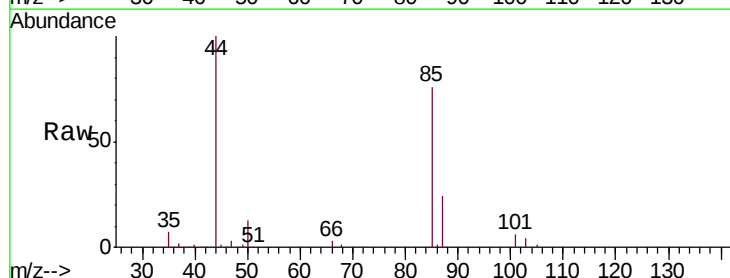
Acq: 5 Dec 2018 14:37

Tgt Ion: 85 Resp: 445860

Ion Ratio Lower Upper

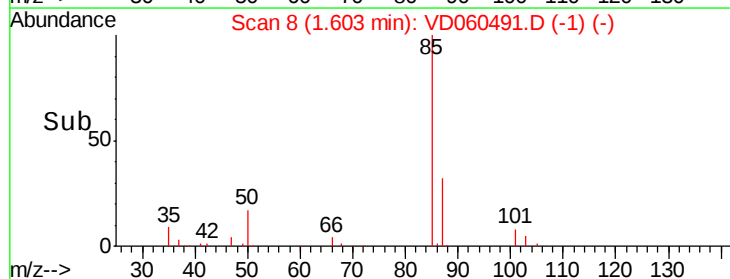
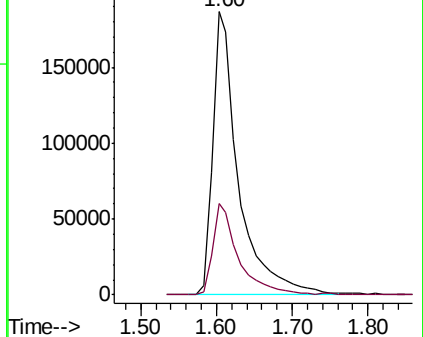
85 100

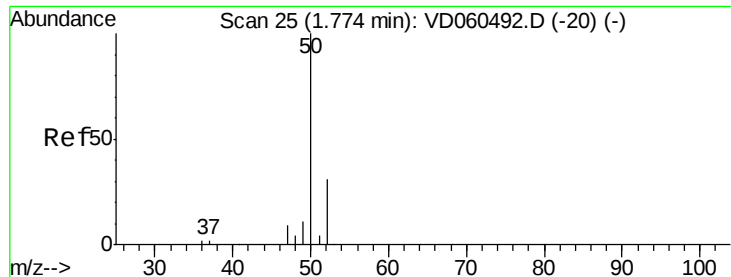
87 32.2 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.703 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

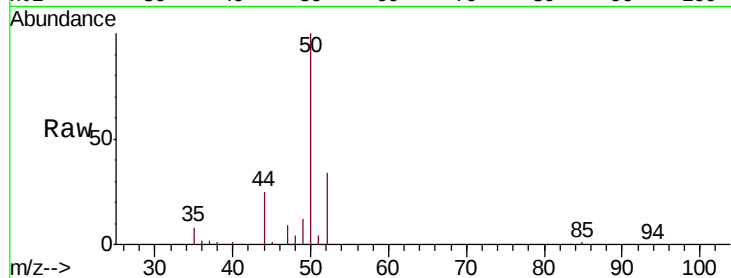
VSTDIC020

Tgt Ion: 50 Resp: 369142

Ion Ratio Lower Upper

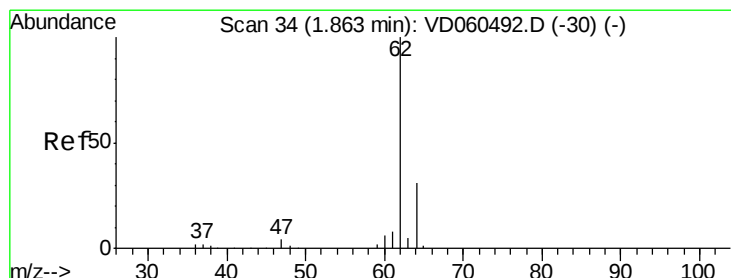
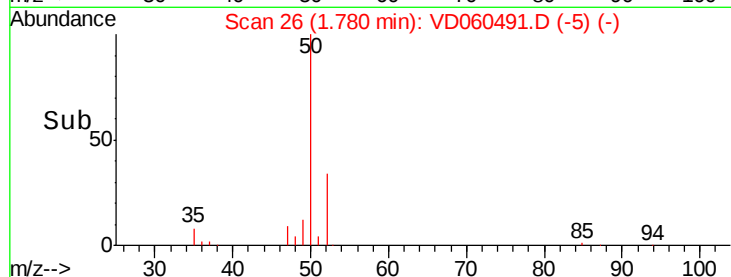
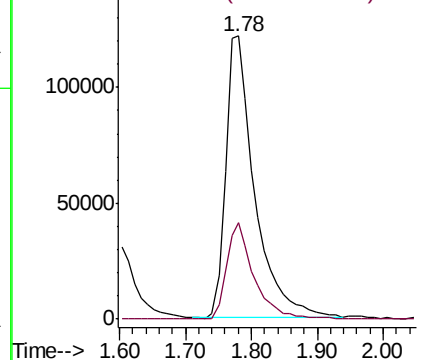
50 100

52 33.9 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.191 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060491.D

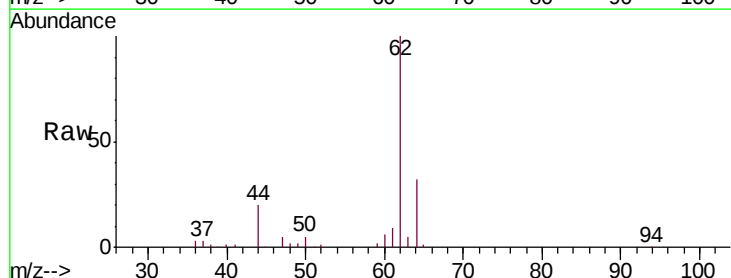
Acq: 5 Dec 2018 14:37

Tgt Ion: 62 Resp: 294013

Ion Ratio Lower Upper

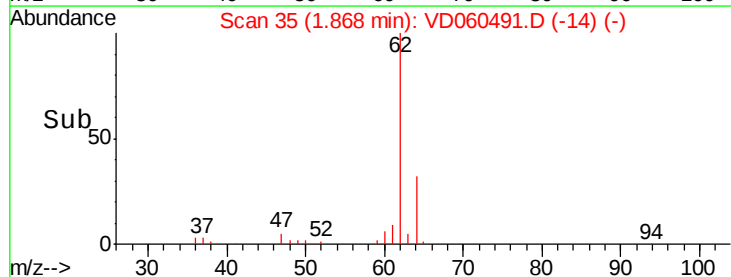
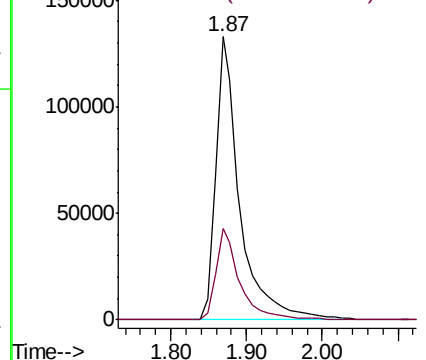
62 100

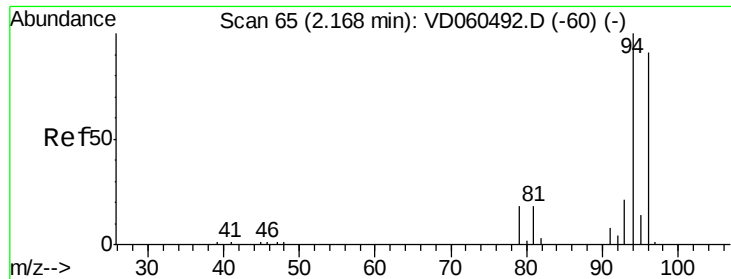
64 32.3 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

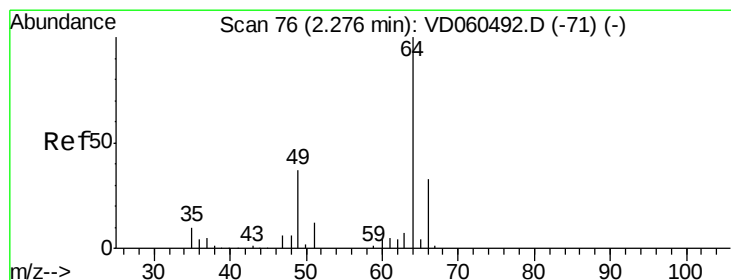
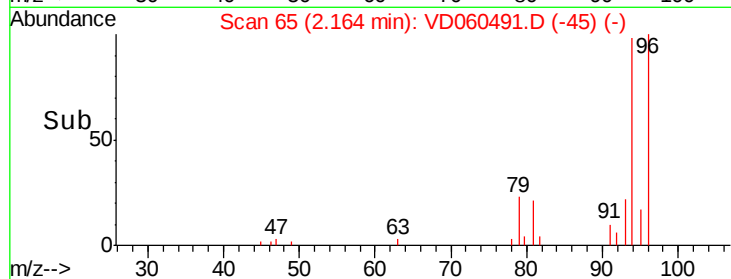
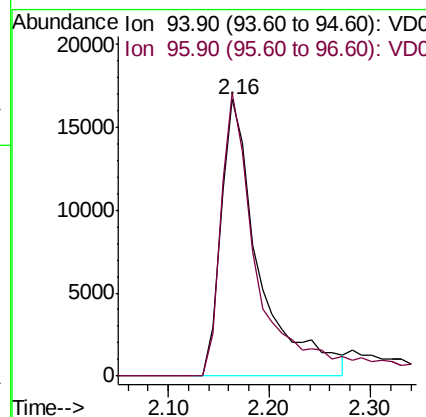
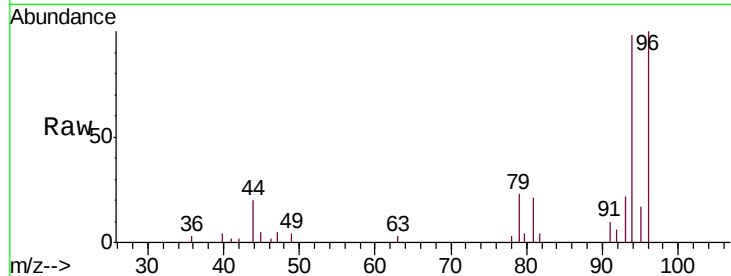




#5
Bromomethane
Concen: 13.848 ug/l
RT: 2.16 min Scan# 65
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

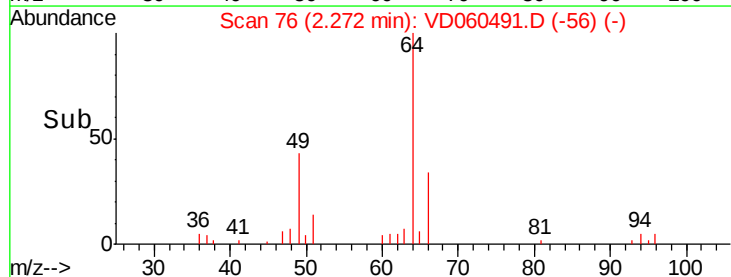
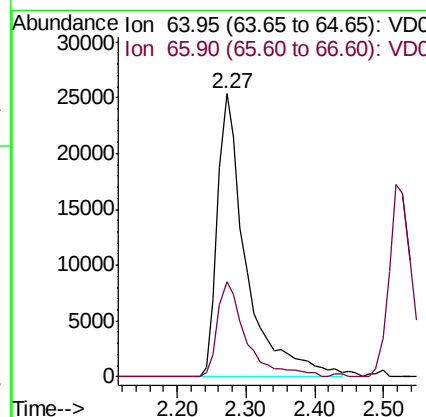
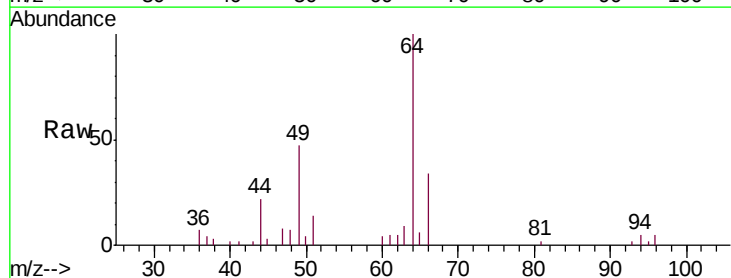
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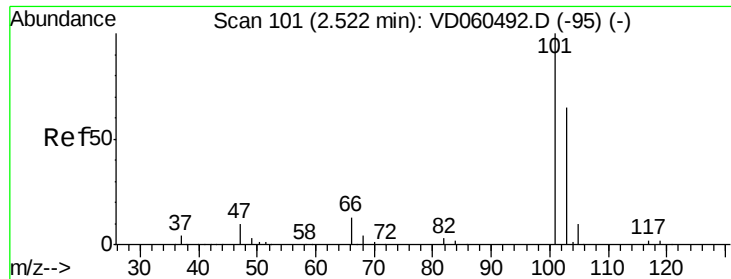
Tgt Ion: 94 Resp: 44169
Ion Ratio Lower Upper
94 100
96 102.4 72.6 108.8



#6
Chloroethane
Concen: 16.859 ug/l
RT: 2.27 min Scan# 76
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion: 64 Resp: 73410
Ion Ratio Lower Upper
64 100
66 33.5 26.4 39.6



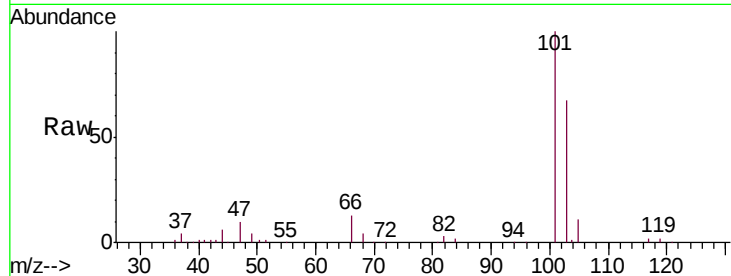


#7

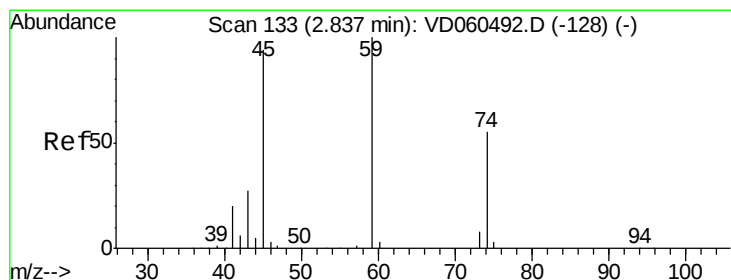
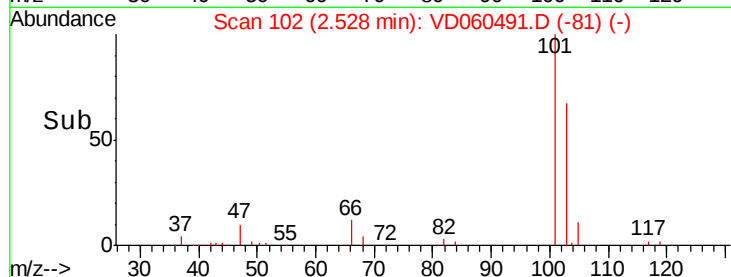
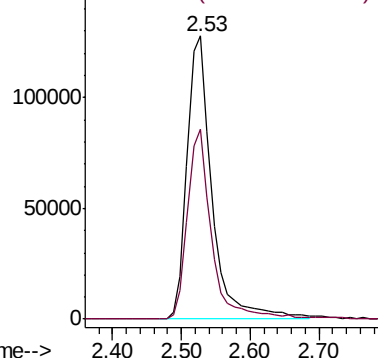
Trichlorofluoromethane
 Concen: 20.578 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Instrument :
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Tgt Ion:101 Resp: 322007
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.8 77.8



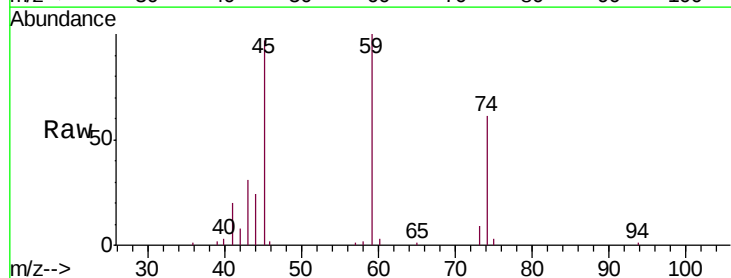
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



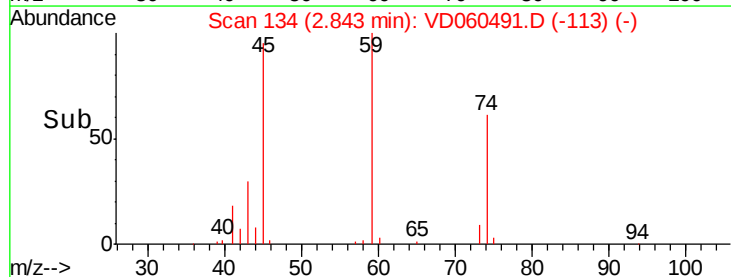
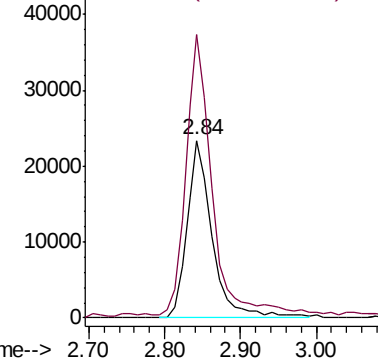
#8

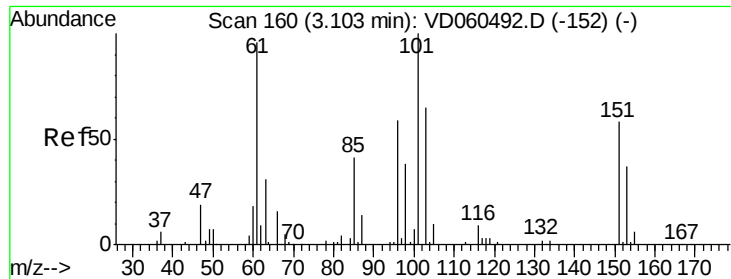
Diethyl Ether
 Concen: 19.288 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Tgt Ion: 74 Resp: 54235
 Ion Ratio Lower Upper
 74 100
 45 159.7 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: 21.081 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060491.D

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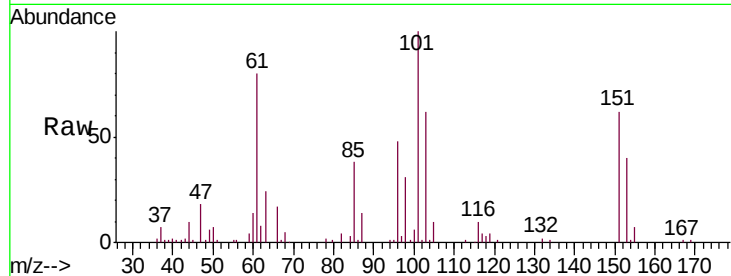
Tgt Ion:101 Resp: 214085

Ion Ratio Lower Upper

101 100

85 38.0 32.7 49.1

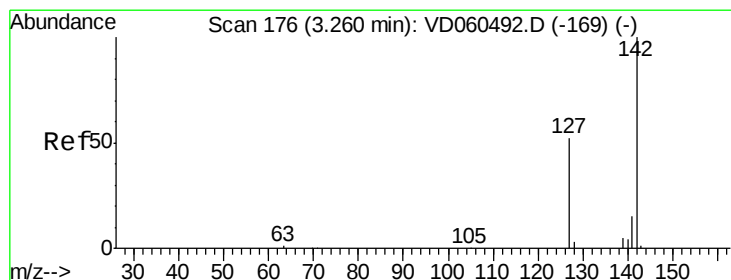
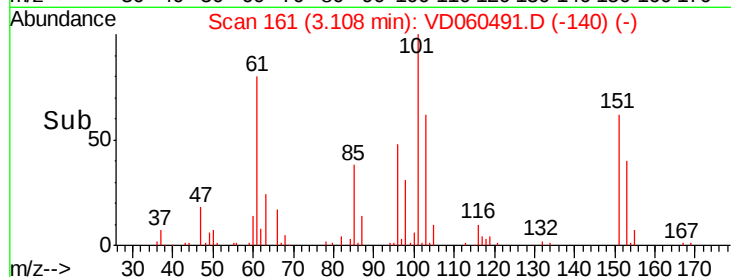
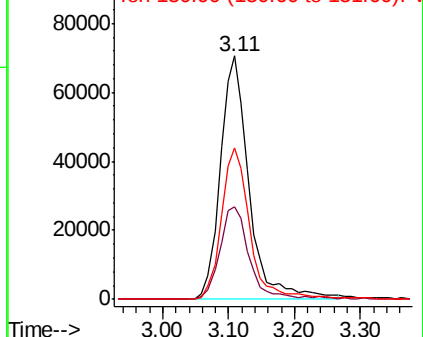
151 62.2 46.6 69.8



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: 18.882 ug/l

RT: 3.27 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

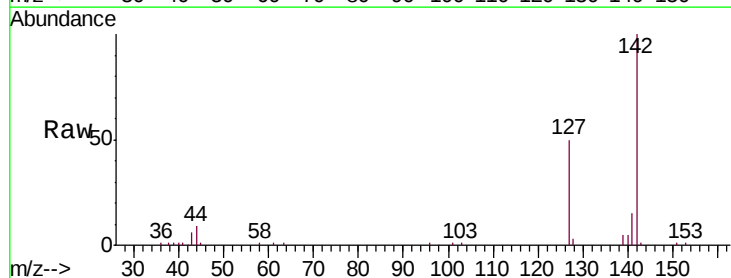
Tgt Ion:142 Resp: 247460

Ion Ratio Lower Upper

142 100

127 50.0 41.2 61.8

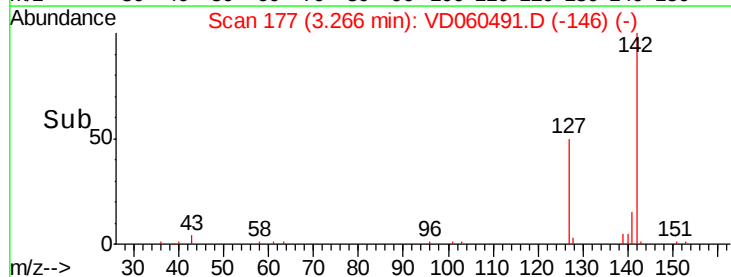
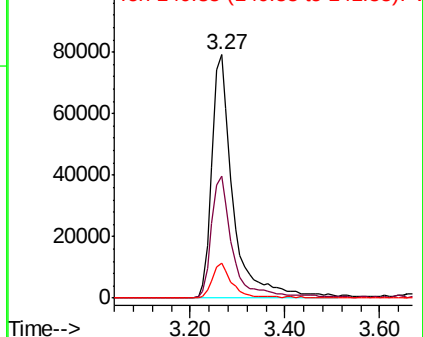
141 14.6 11.9 17.9

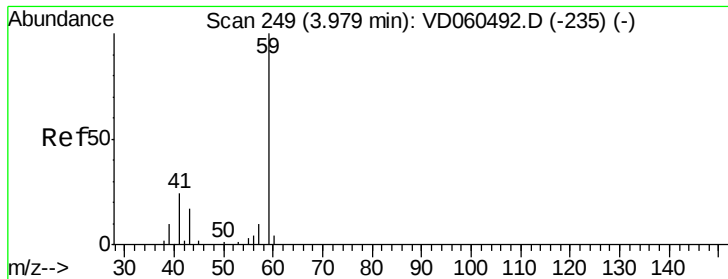


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

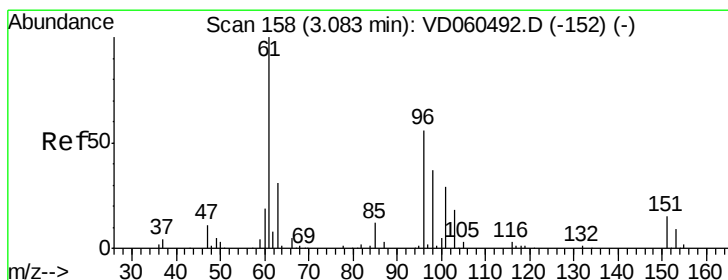
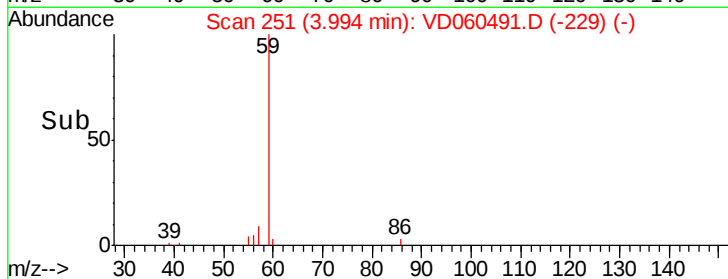
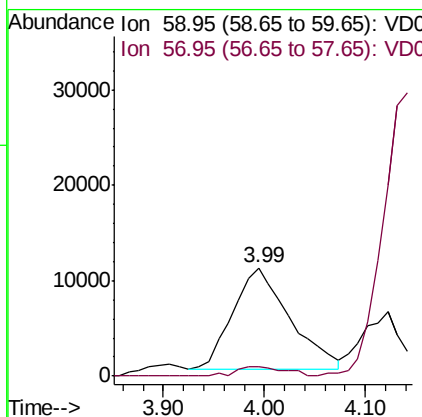
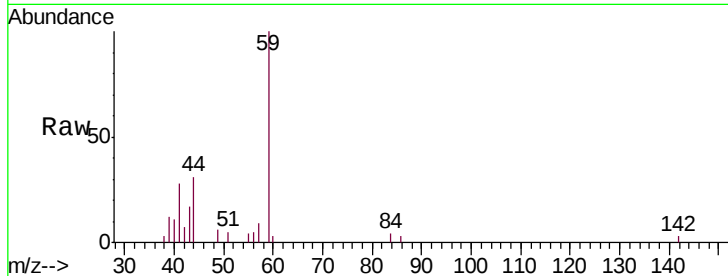




#11
Tert butyl alcohol
Concen: 83.430 ug/l
RT: 3.99 min Scan# 251
Delta R.T. 0.02 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

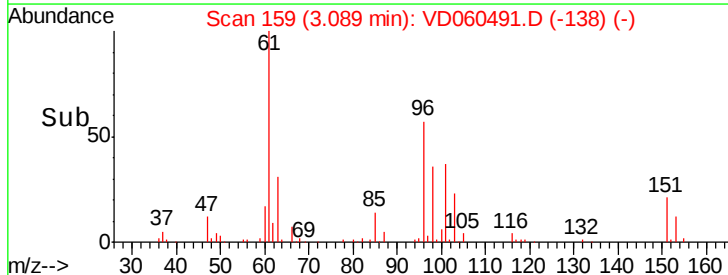
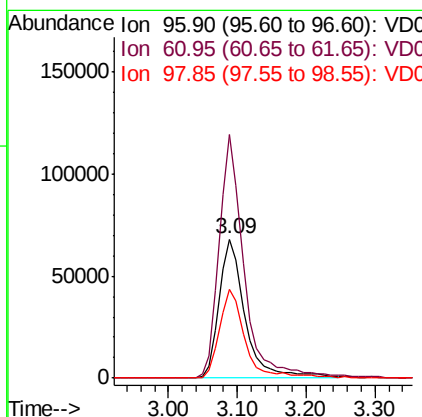
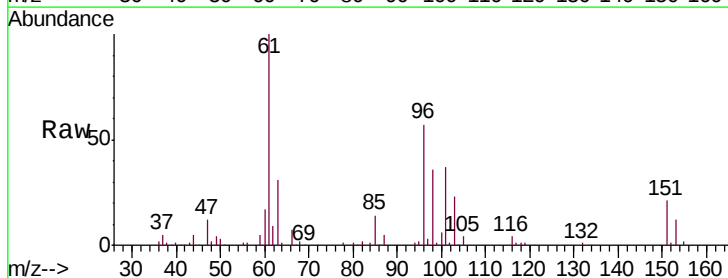
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

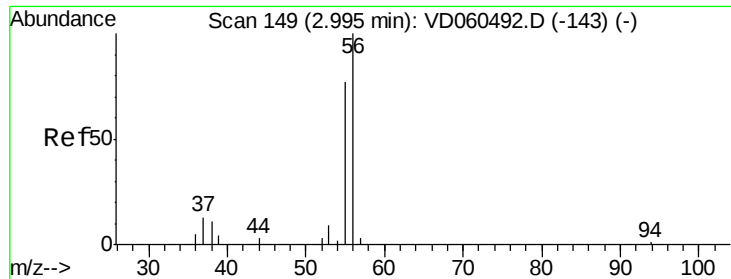
Tgt Ion: 59 Resp: 41421
Ion Ratio Lower Upper
59 100
57 8.6 8.1 12.1



#12
1,1-Dichloroethene
Concen: 21.579 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion: 96 Resp: 178405
Ion Ratio Lower Upper
96 100
61 174.8 143.0 214.4
98 63.6 53.4 80.0





#13

Acrolein

Concen: 90.672 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

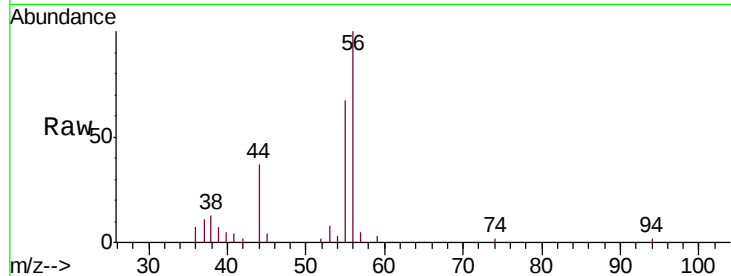
VSTDIC020

Tgt Ion: 56 Resp: 52586

Ion Ratio Lower Upper

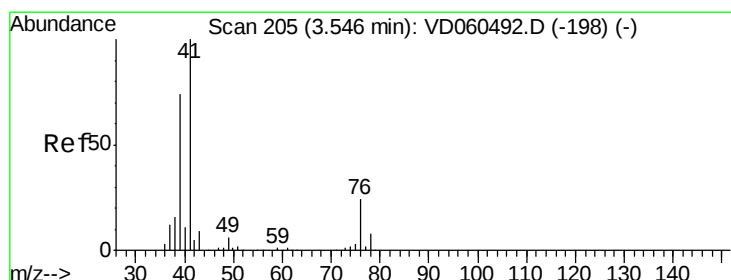
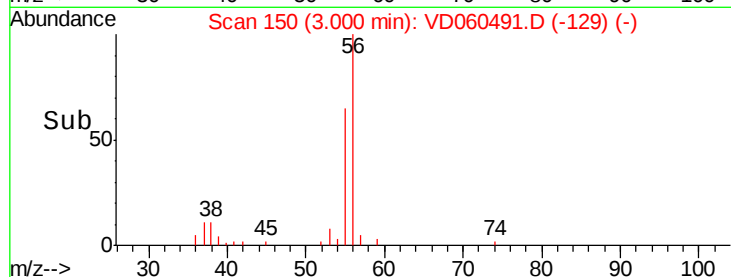
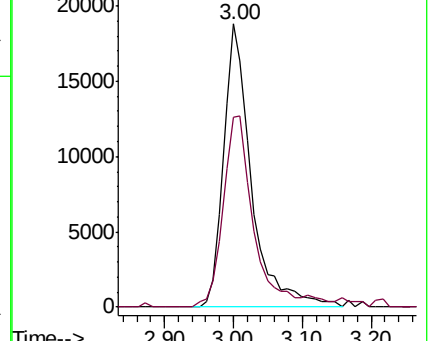
56 100

55 67.2 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.087 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

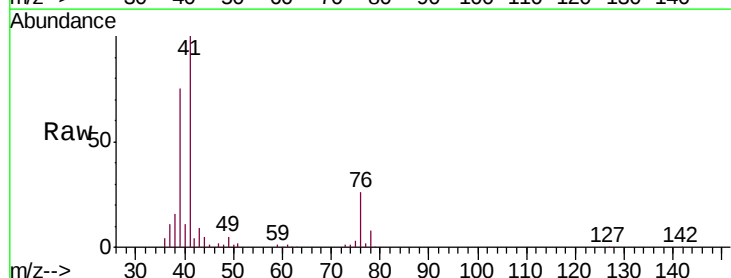
Tgt Ion: 41 Resp: 318969

Ion Ratio Lower Upper

41 100

39 75.0 59.3 88.9

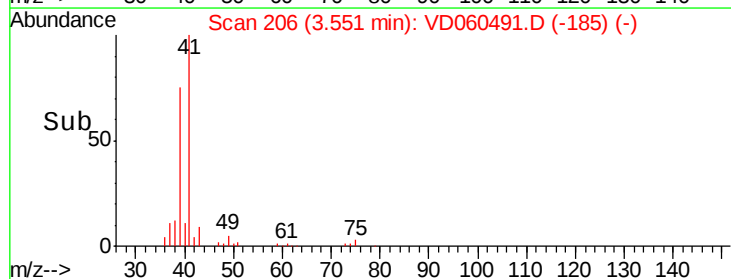
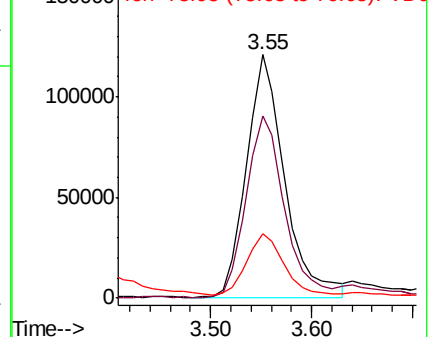
76 26.3 21.0 31.6

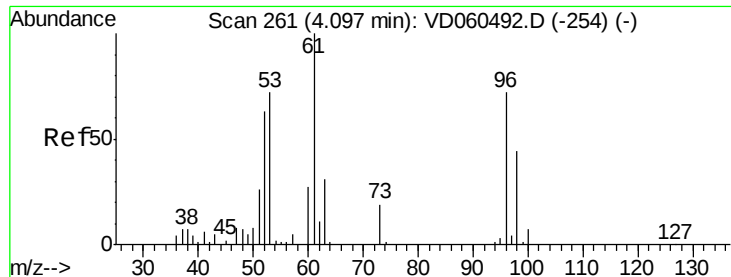


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 90.424 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

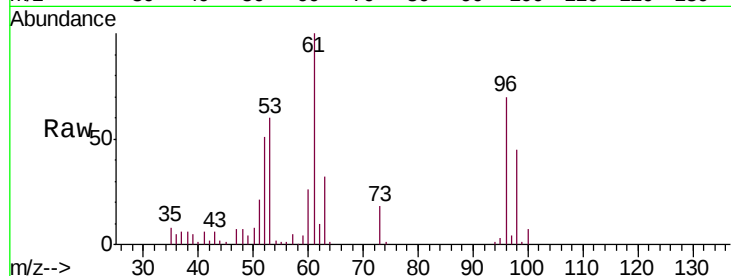
Tgt Ion: 53 Resp: 261972

Ion Ratio Lower Upper

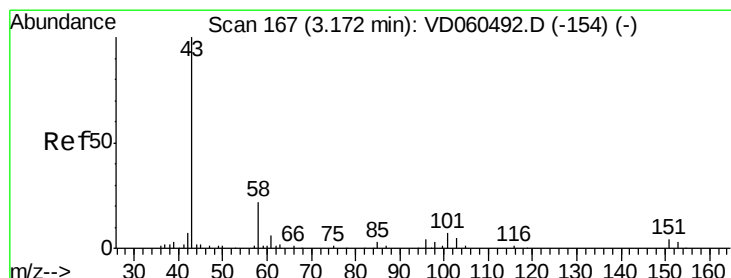
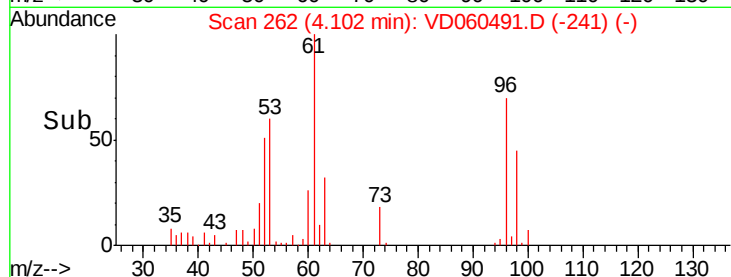
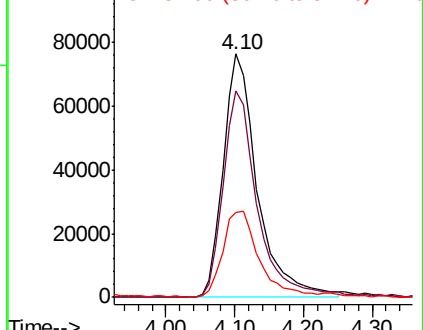
53 100

52 84.7 70.0 105.0

51 35.0 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: 81.889 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060491.D

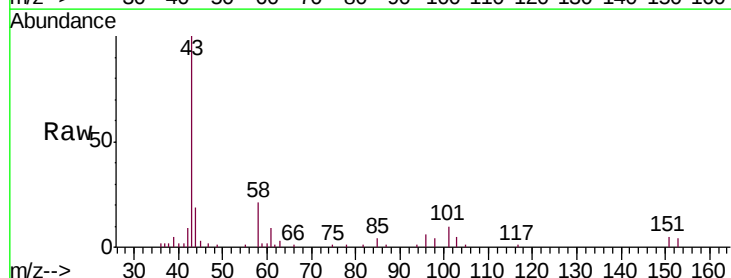
Acq: 5 Dec 2018 14:37

Tgt Ion: 43 Resp: 171829

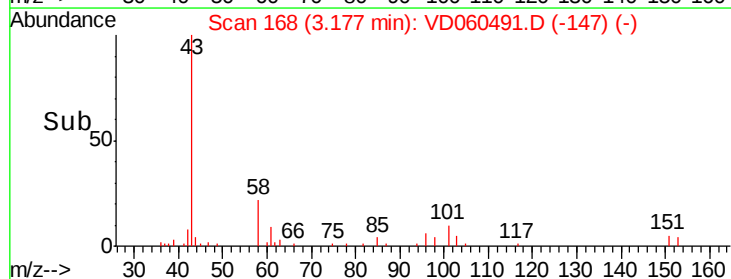
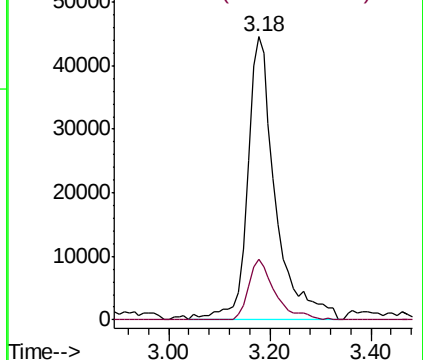
Ion Ratio Lower Upper

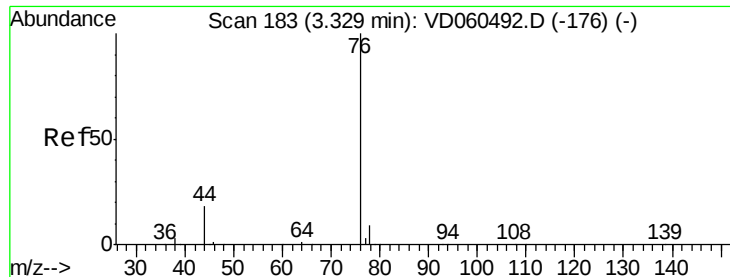
43 100

58 21.3 17.3 25.9



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

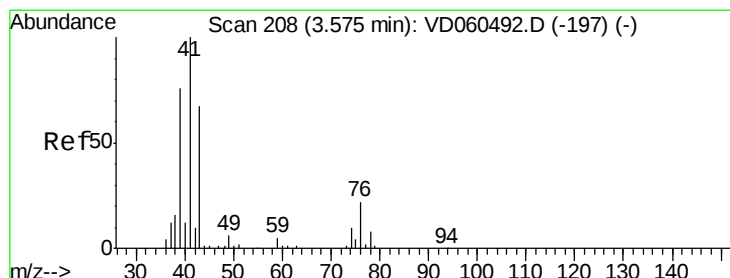
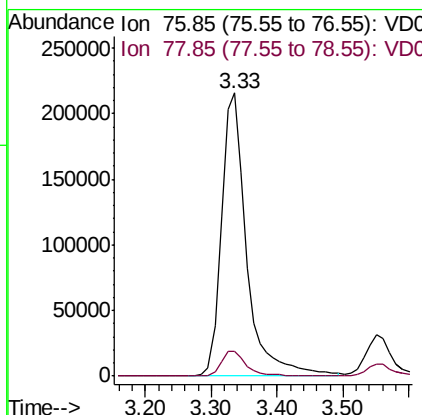
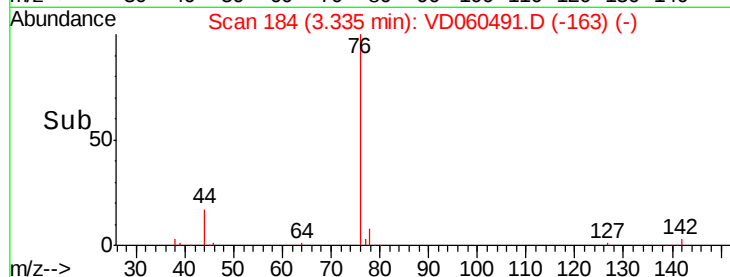
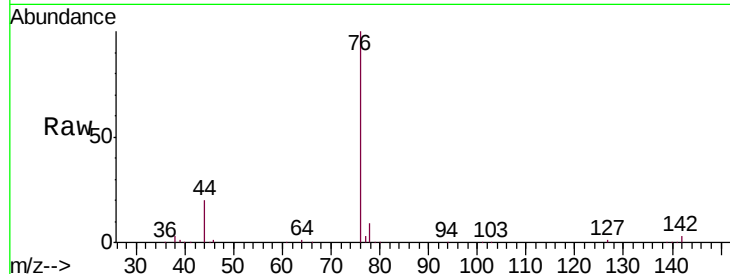




#17
Carbon Disulfide
Concen: 21.479 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

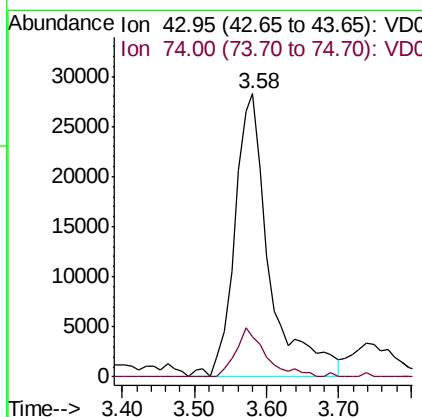
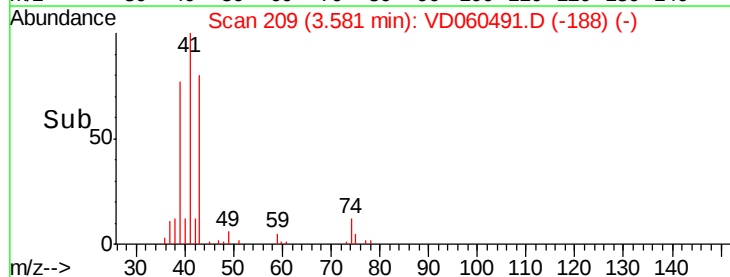
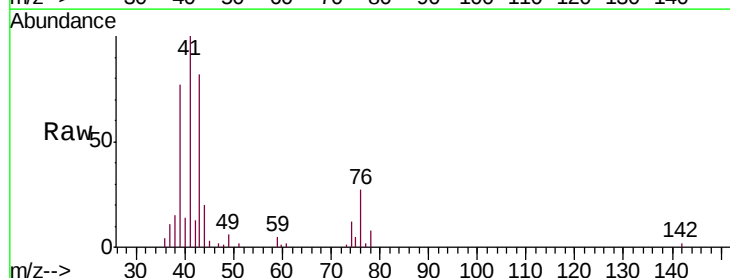
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

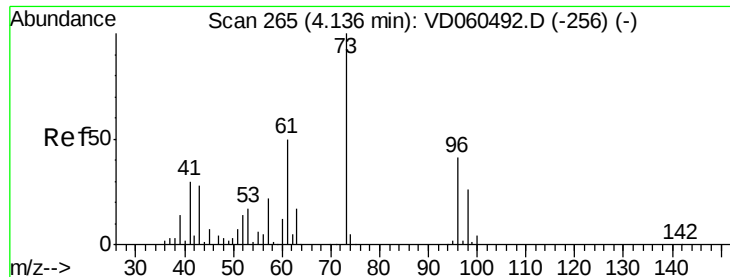
Tgt Ion: 76 Resp: 576648
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 20.868 ug/l
RT: 3.58 min Scan# 209
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion: 43 Resp: 94846
Ion Ratio Lower Upper
43 100
74 14.3 12.0 18.0



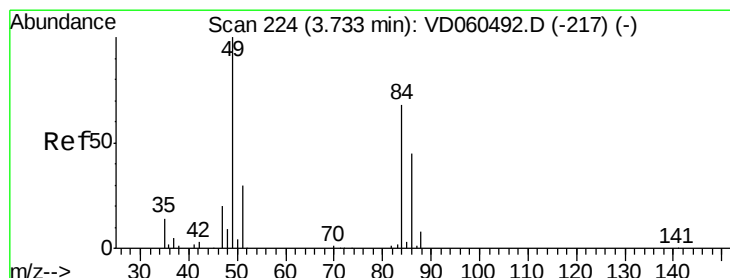
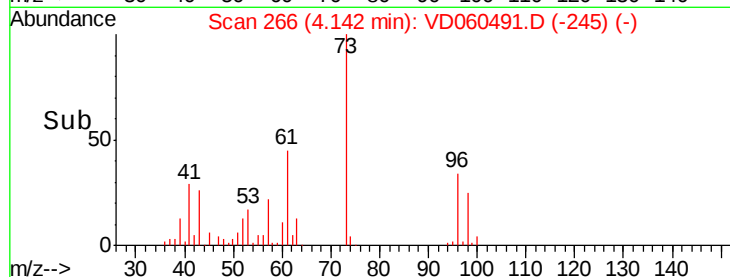
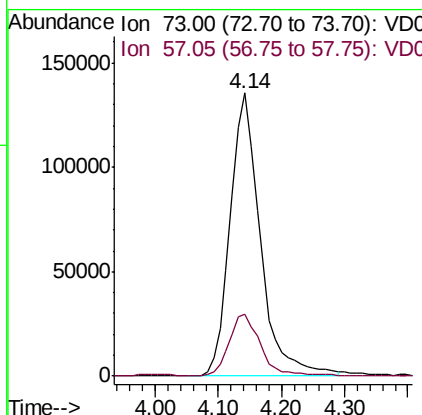
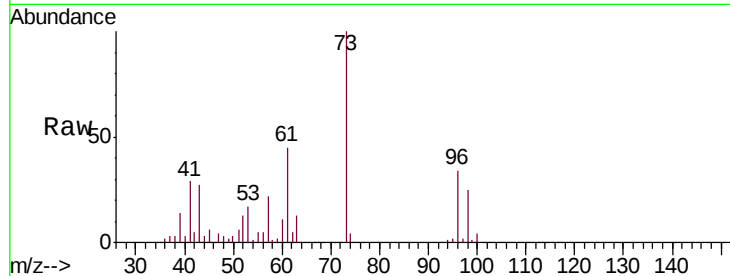


#19

Methyl tert-butyl Ether
Concen: 18.249 ug/l
RT: 4.14 min Scan# 266
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

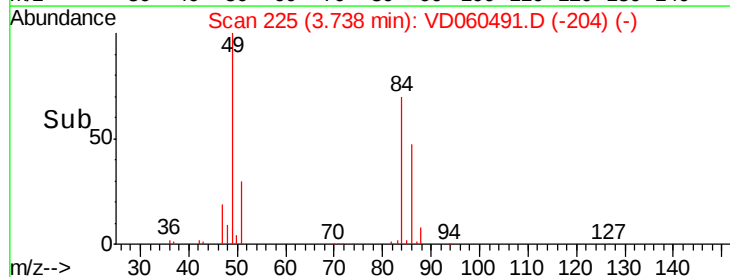
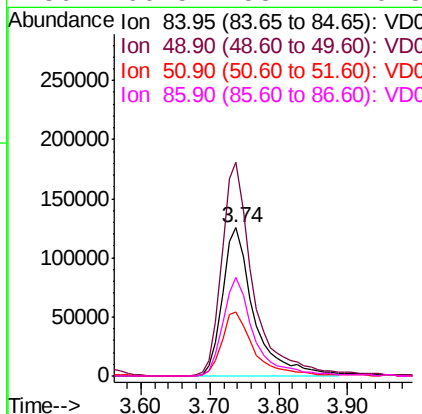
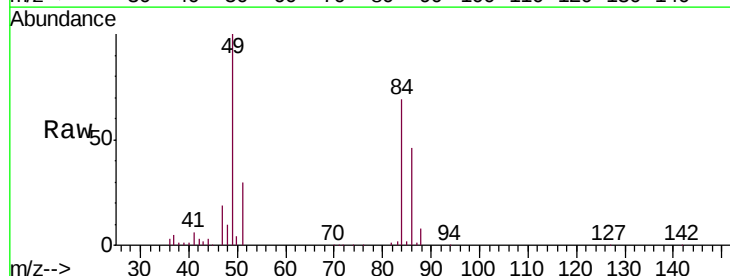
Tgt Ion: 73 Resp: 450192
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.6

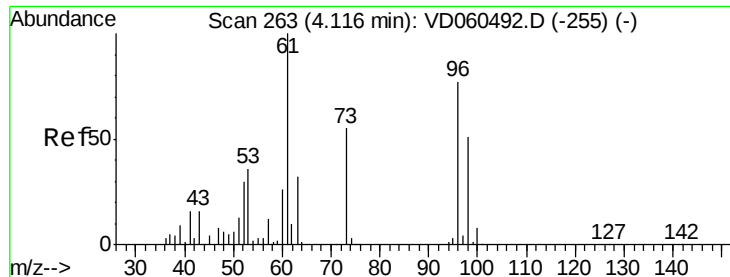


#20

Methylene Chloride
Concen: 21.003 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion: 84 Resp: 395944
Ion Ratio Lower Upper
84 100
49 144.2 117.2 175.8
51 43.4 35.3 52.9
86 66.5 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 19.630 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

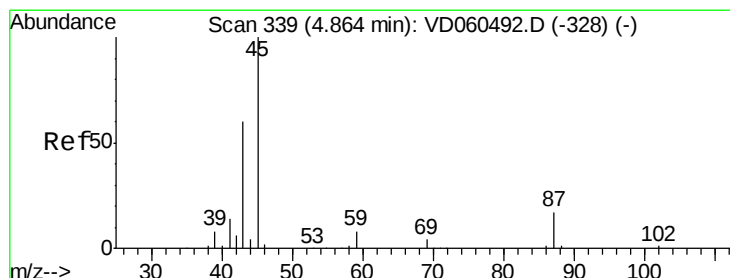
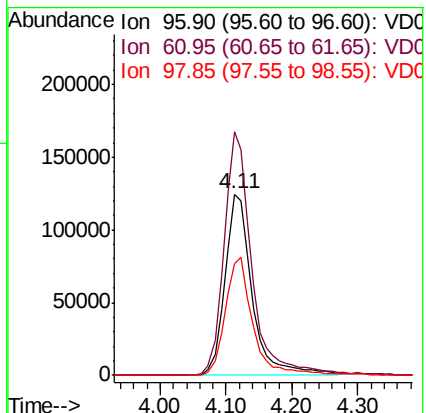
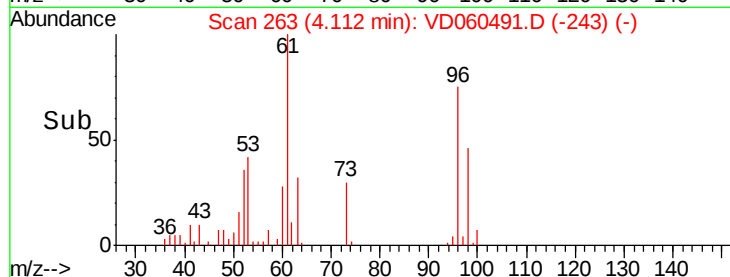
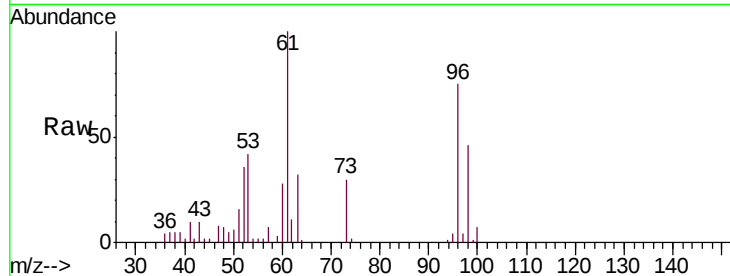
Tgt Ion: 96 Resp: 362152

Ion Ratio Lower Upper

96 100

61 134.2 104.2 156.4

98 61.5 52.8 79.2



#22

Diisopropyl ether

Concen: 19.423 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Tgt Ion: 45 Resp: 1146610

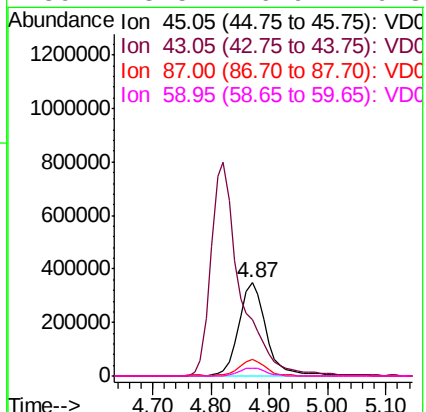
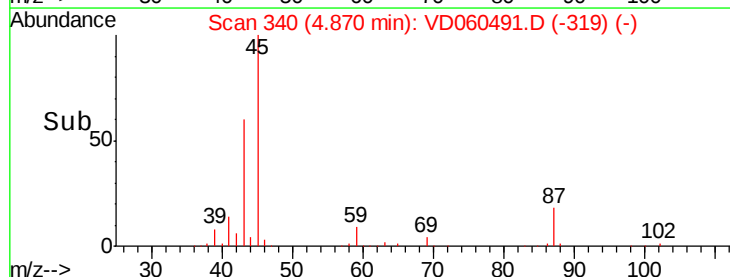
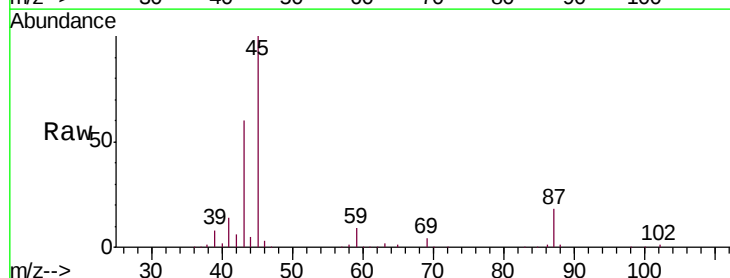
Ion Ratio Lower Upper

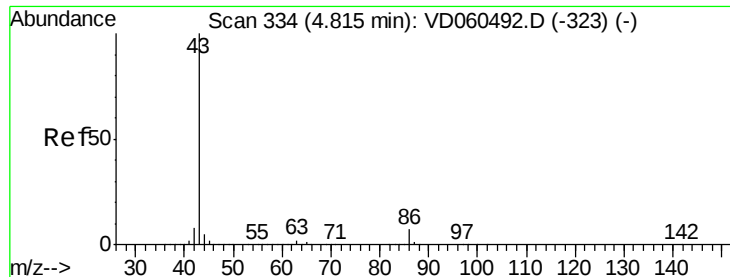
45 100

43 60.2 48.6 73.0

87 17.5 14.0 21.0

59 8.5 6.9 10.3





#23

Vinyl Acetate

Concen: 94.222 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

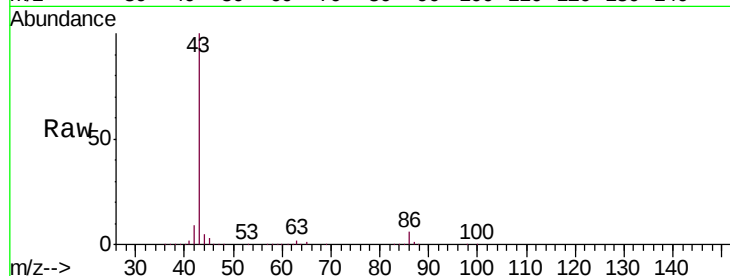
VSTDIC020

Tgt Ion: 43 Resp: 2777897

Ion Ratio Lower Upper

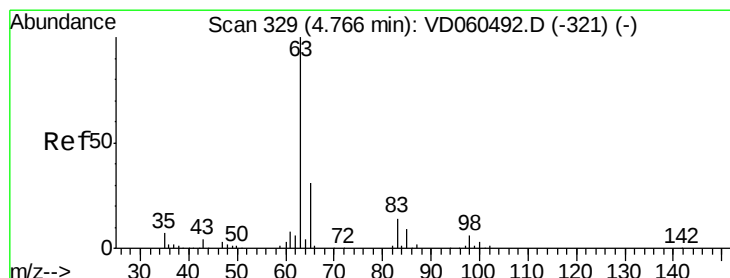
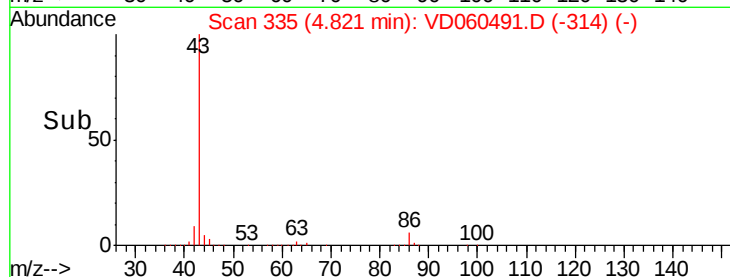
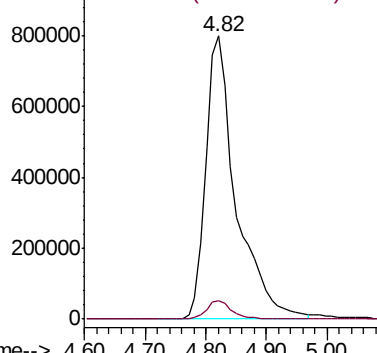
43 100

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: 19.748 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

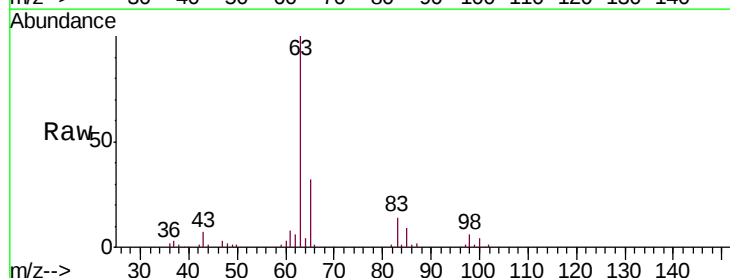
Tgt Ion: 63 Resp: 599906

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

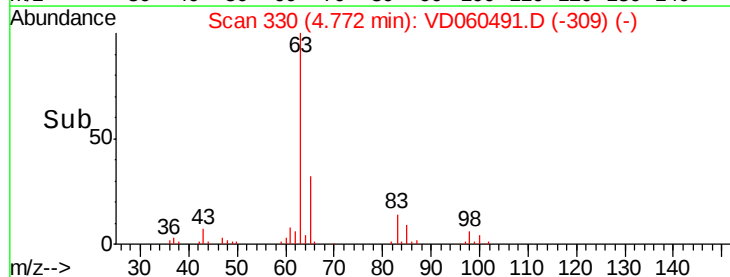
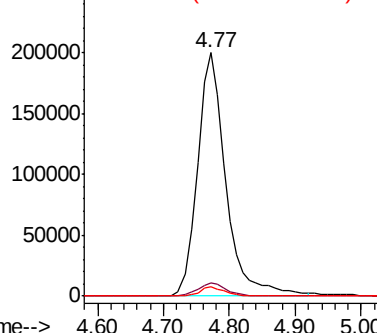
100 3.7 1.7 5.1

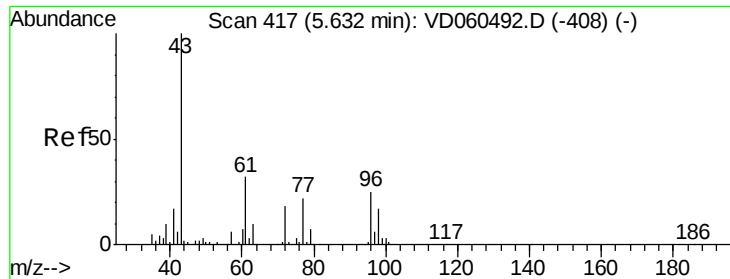


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 80.259 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

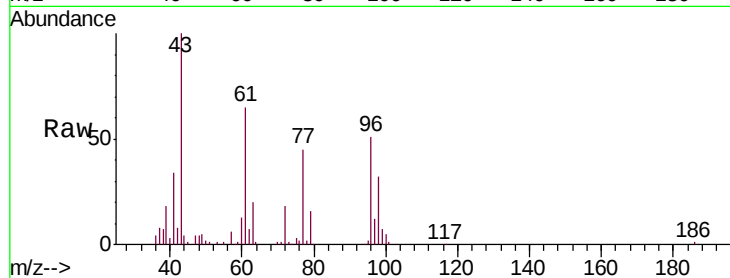
VSTDIC020

Tgt Ion: 43 Resp: 346189

Ion Ratio Lower Upper

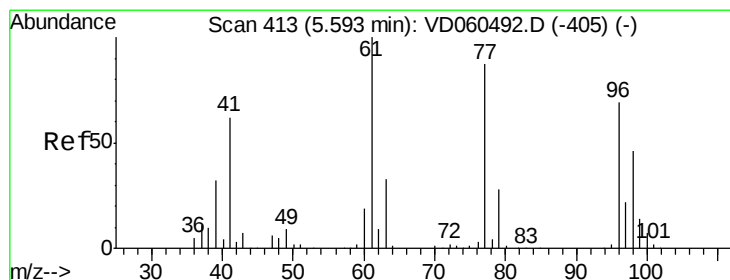
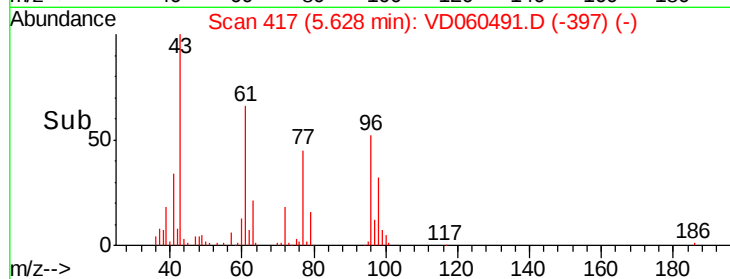
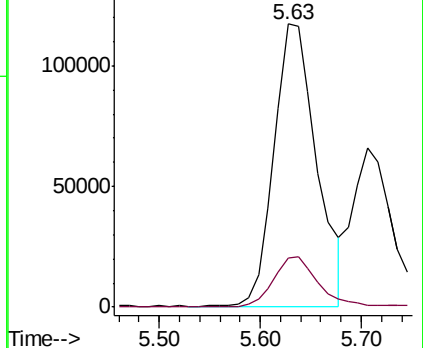
43 100

72 17.5 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.957 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060491.D

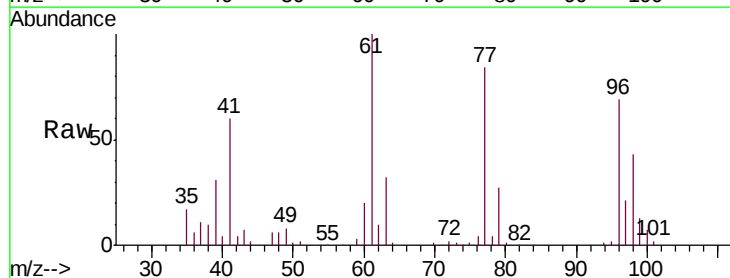
Acq: 5 Dec 2018 14:37

Tgt Ion: 77 Resp: 469049

Ion Ratio Lower Upper

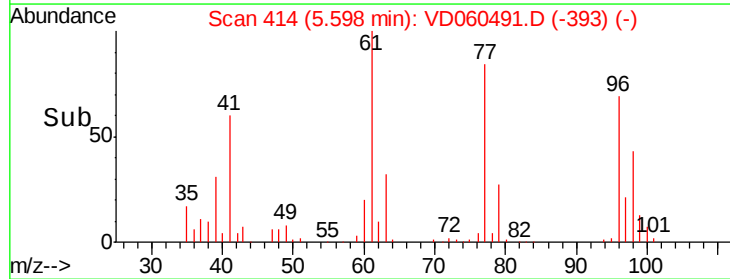
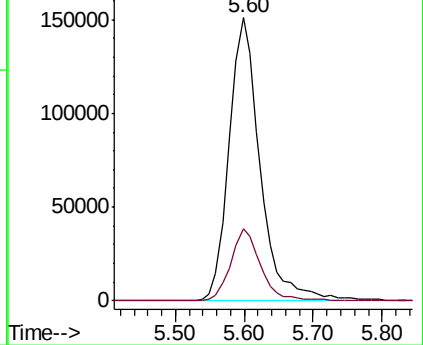
77 100

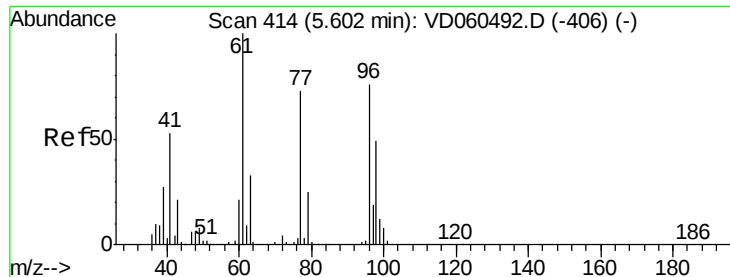
97 25.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



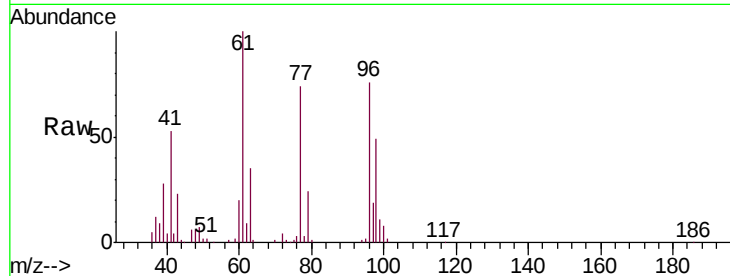


#27

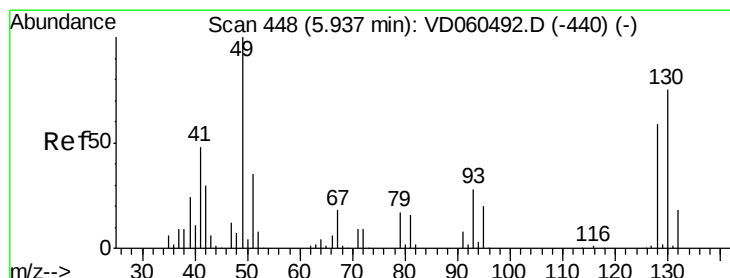
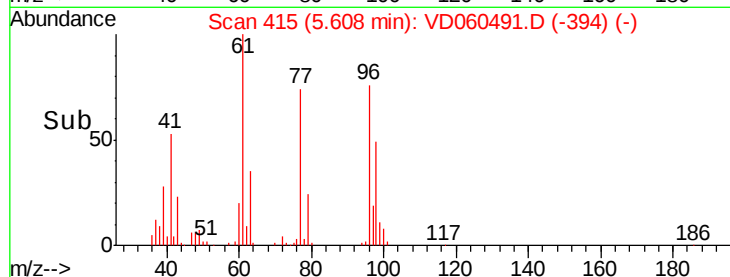
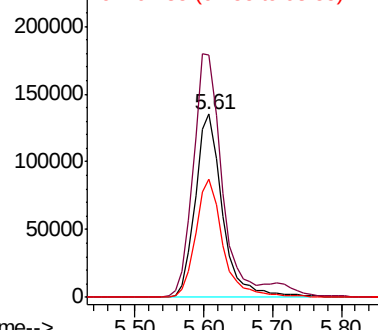
cis-1,2-Dichloroethene
 Concen: 19.431 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. 0.01 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 371823
 Ion Ratio Lower Upper
 96 100
 61 132.2 0.0 263.6
 98 64.5 0.0 128.2



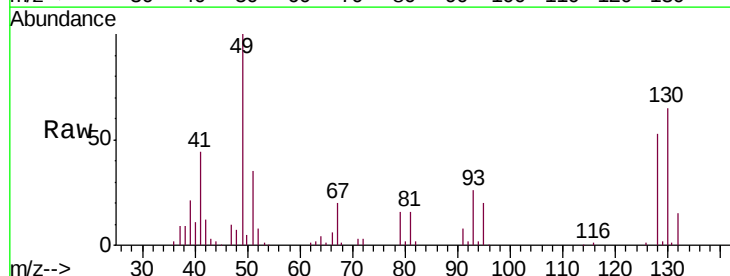
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



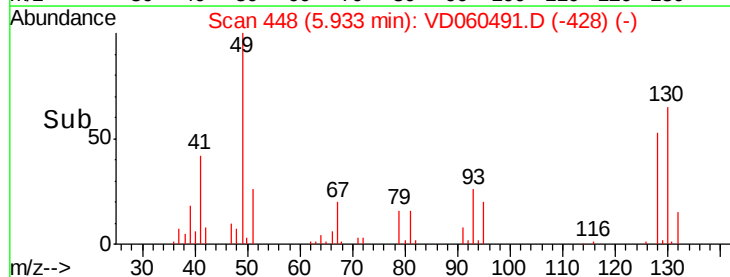
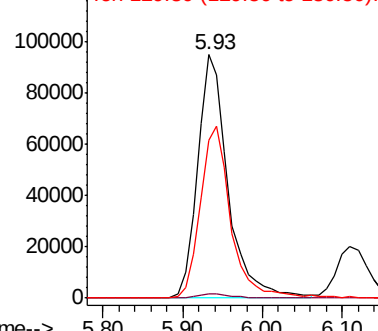
#28

Bromochloromethane
 Concen: 18.930 ug/l
 RT: 5.93 min Scan# 448
 Delta R.T. -0.00 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Tgt Ion: 49 Resp: 253725
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 3.4
 130 65.1 59.8 89.6



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

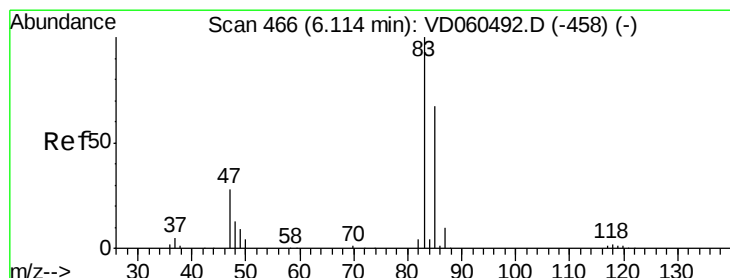
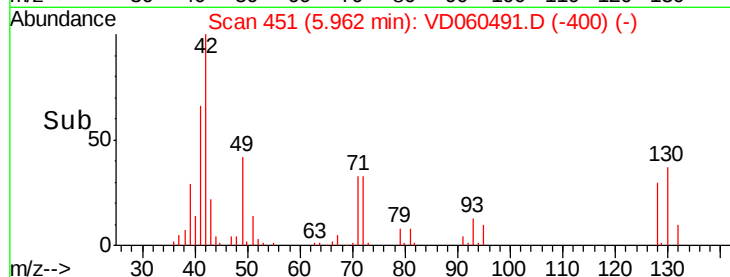
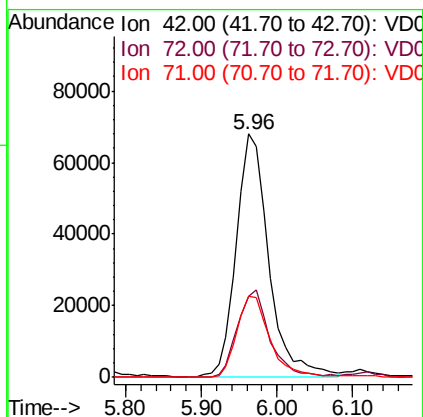
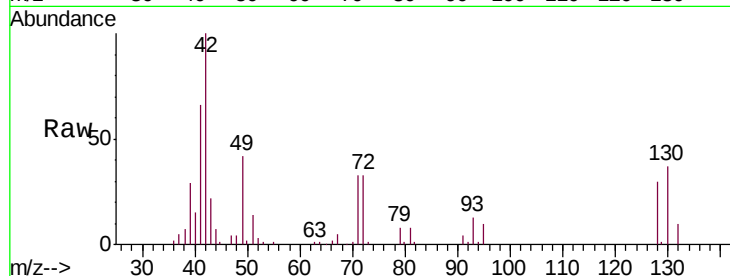




#29
Tetrahydrofuran
Concen: 88.614 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

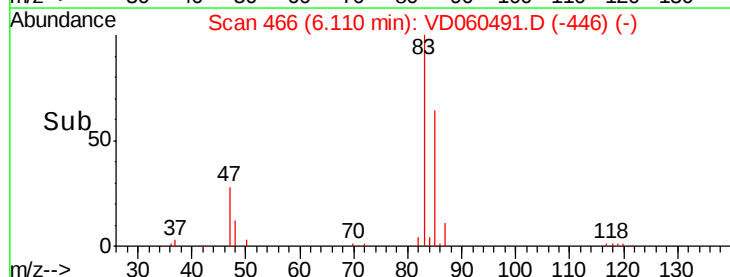
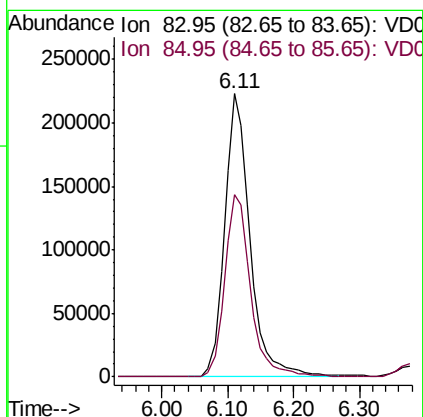
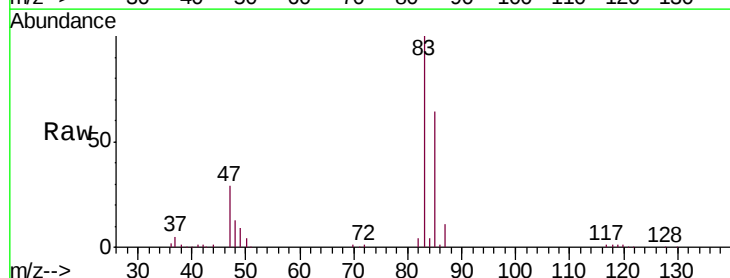
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

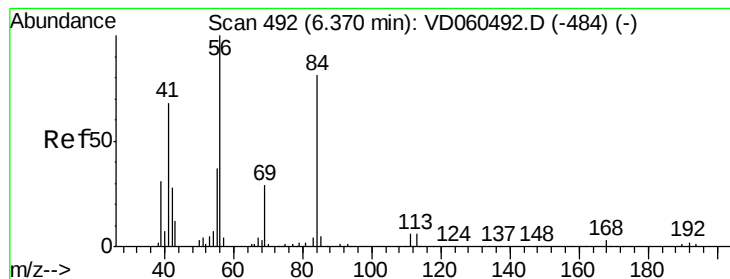
Tgt Ion: 42 Resp: 203749
Ion Ratio Lower Upper
42 100
72 35.4 28.0 42.0
71 33.9 27.2 40.8



#30
Chloroform
Concen: 19.729 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion: 83 Resp: 599254
Ion Ratio Lower Upper
83 100
85 64.3 53.4 80.2





#31

Cyclohexane

Concen: 19.917 ug/l

RT: 6.38 min Scan# 493

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

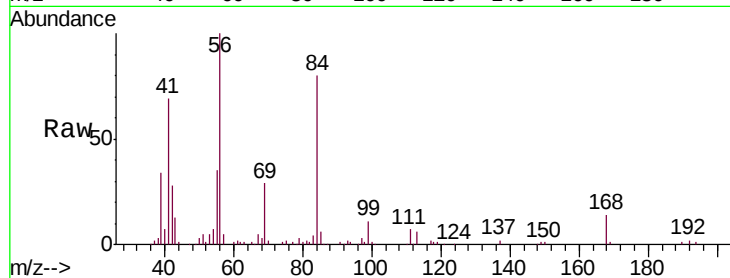
Tgt Ion: 56 Resp: 576038

Ion Ratio Lower Upper

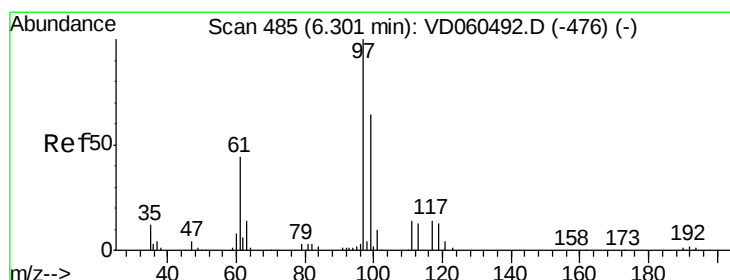
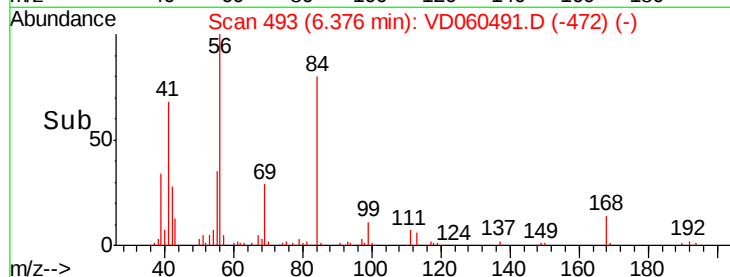
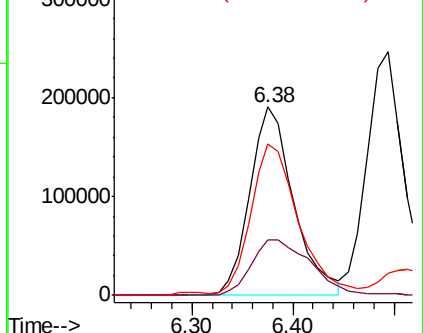
56 100

69 29.4 22.8 34.2

84 80.3 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: 19.879 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

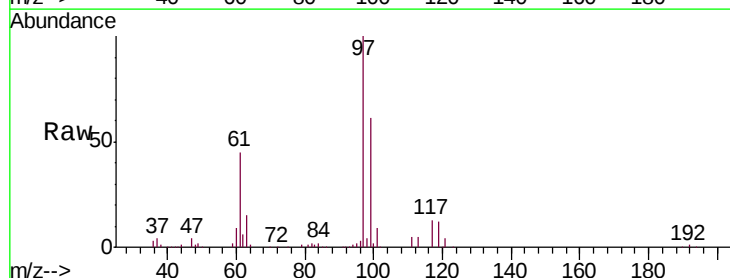
Tgt Ion: 97 Resp: 507103

Ion Ratio Lower Upper

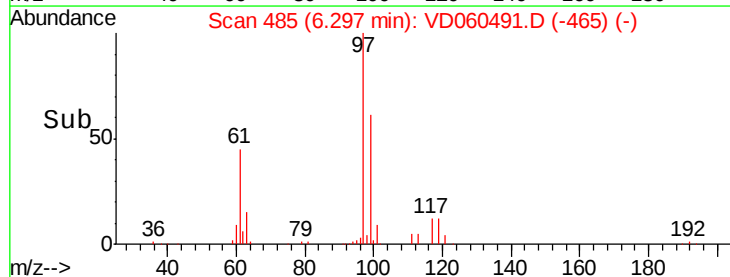
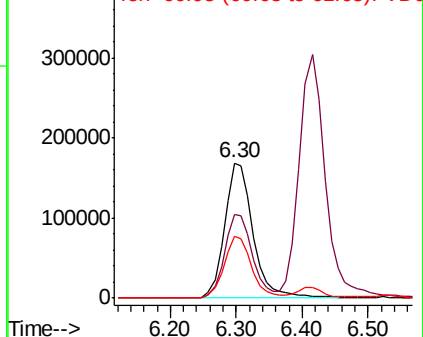
97 100

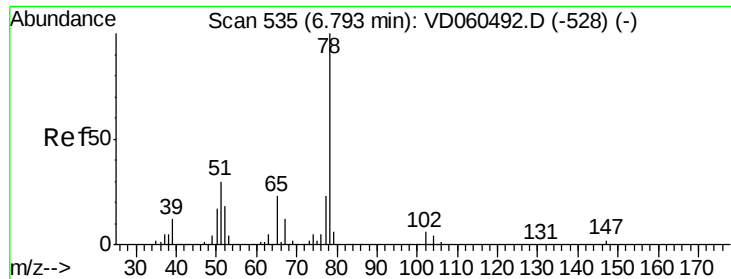
99 61.4 51.0 76.4

61 45.2 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: 19.879 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

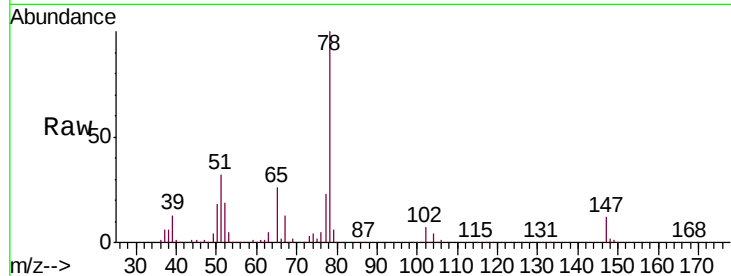
VSTDIC020

Tgt Ion: 65 Resp: 218061

Ion Ratio Lower Upper

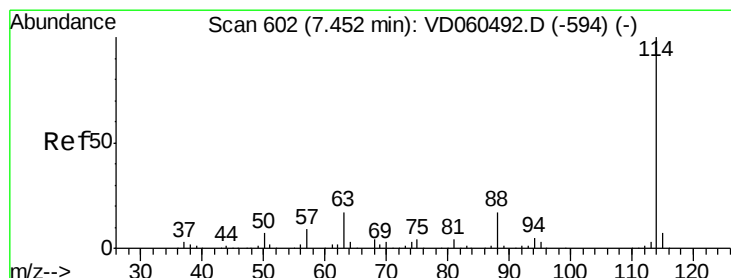
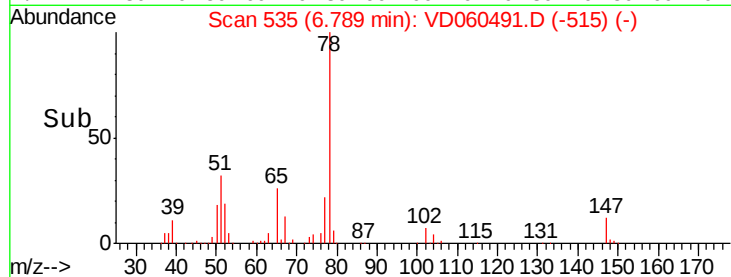
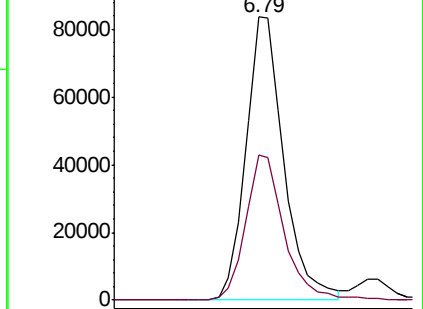
65 100

67 51.3 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: 7.45 min Scan# 602

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

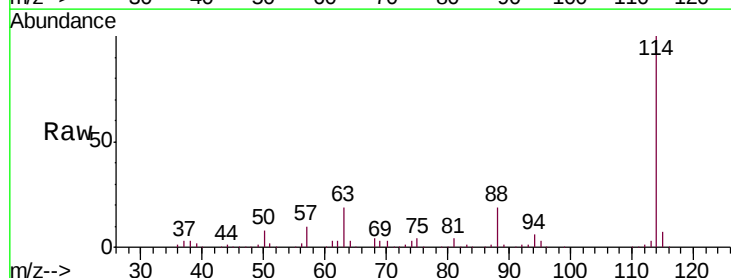
Tgt Ion: 114 Resp: 2384329

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.2

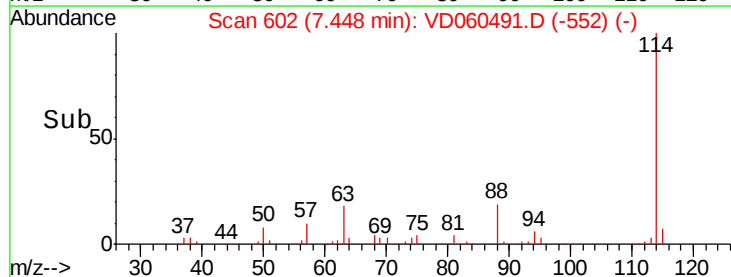
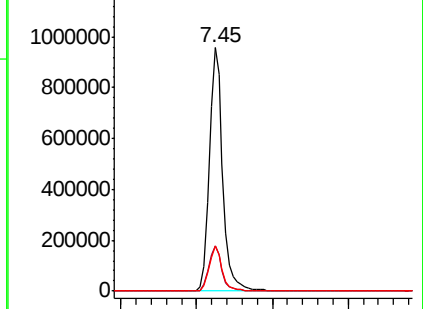
88 18.8 0.0 35.0

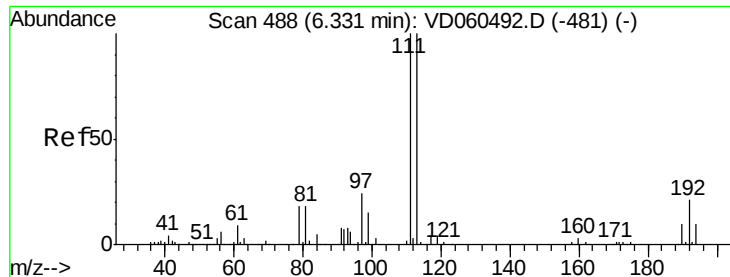


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

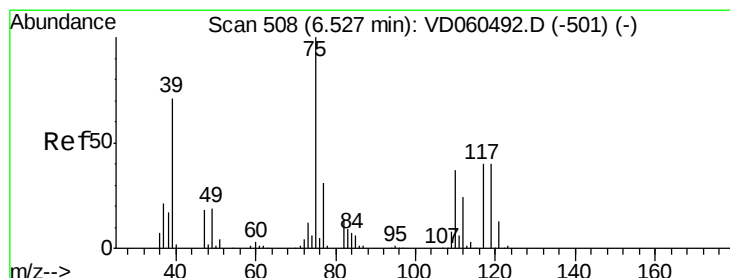
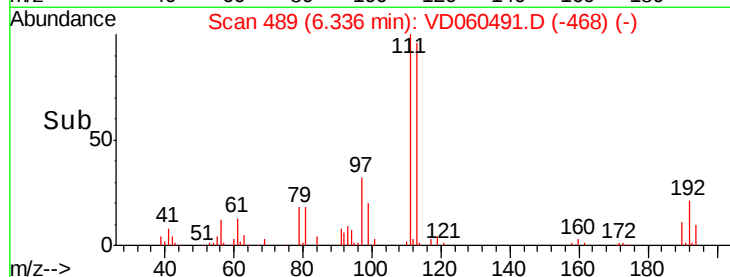
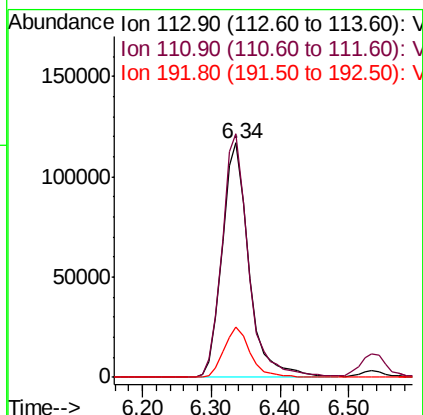
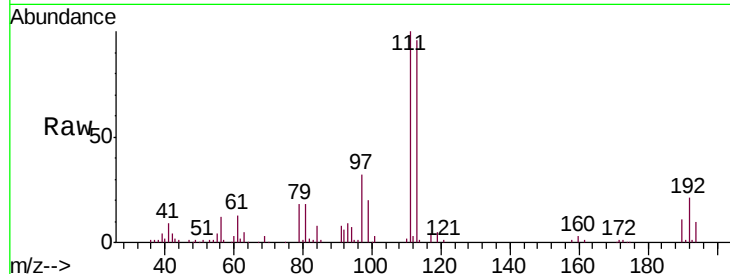




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 489
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

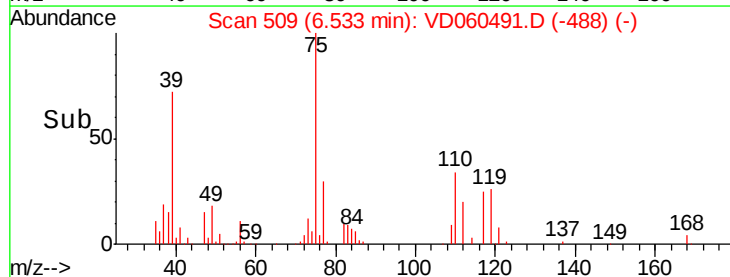
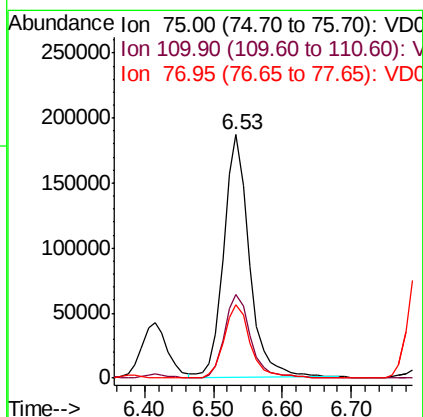
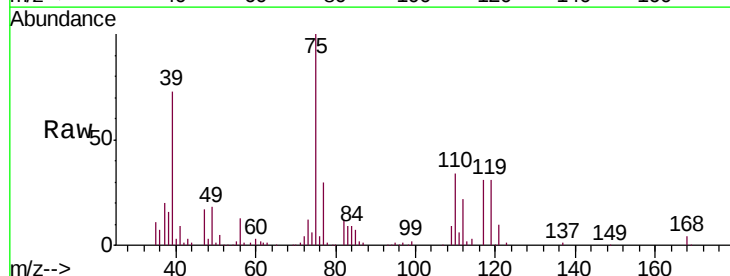
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

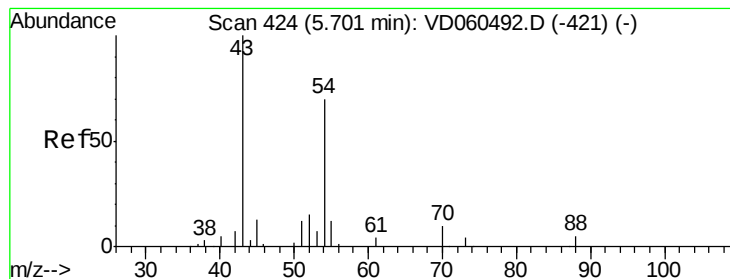
Tgt Ion:113 Resp: 315441
Ion Ratio Lower Upper
113 100
111 104.0 80.2 120.4
192 21.7 16.6 24.8



#36
1,1-Dichloropropene
Concen: 20.234 ug/l
RT: 6.53 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion: 75 Resp: 476920
Ion Ratio Lower Upper
75 100
110 34.2 18.3 54.8
77 30.1 24.6 37.0





#37

Ethyl Acetate

Concen: 17.296 ug/l

RT: 5.71 min Scan# 425

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

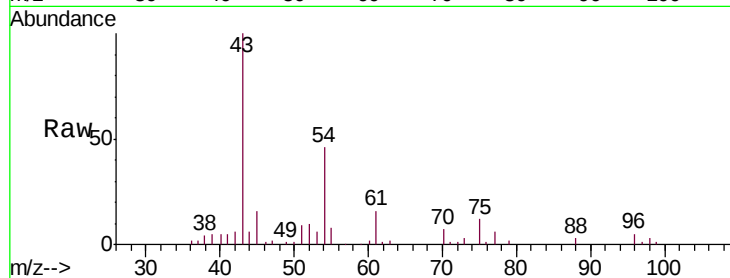
Tgt Ion: 43 Resp: 186712

Ion Ratio Lower Upper

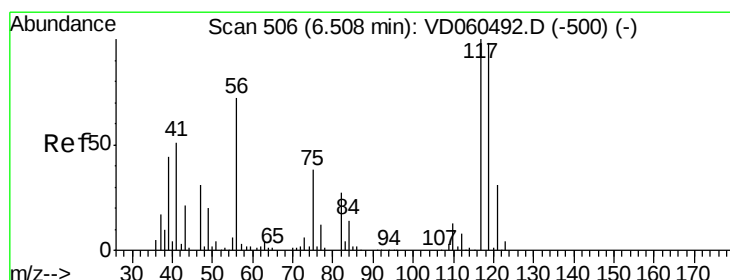
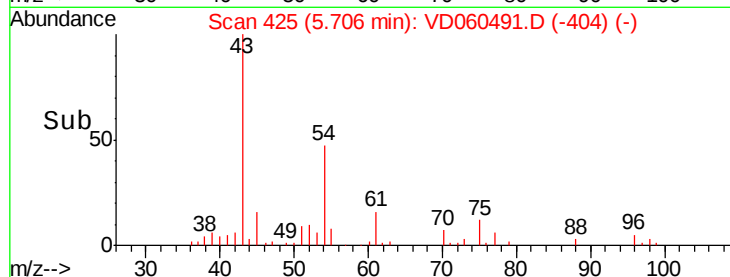
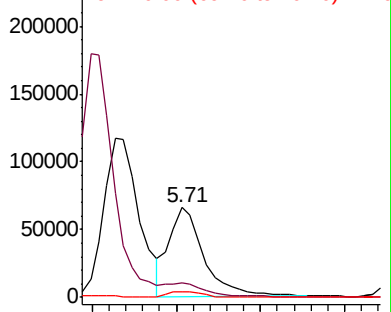
43 100

61 16.2 12.4 18.6

70 6.8 5.4 8.0



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



#38

Carbon Tetrachloride

Concen: 19.490 ug/l

RT: 6.50 min Scan# 506

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

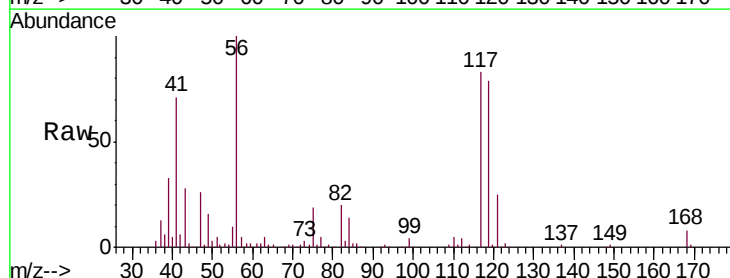
Tgt Ion: 117 Resp: 423778

Ion Ratio Lower Upper

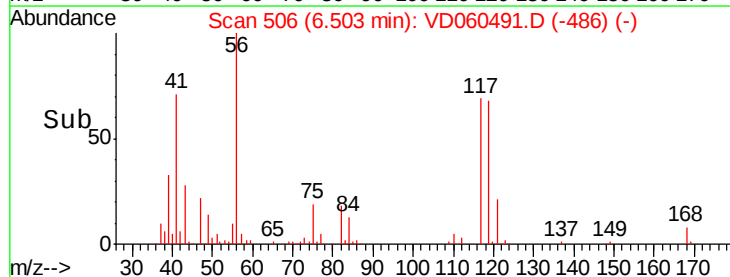
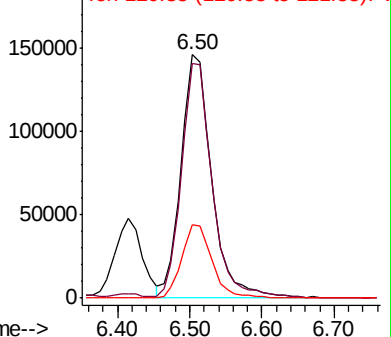
117 100

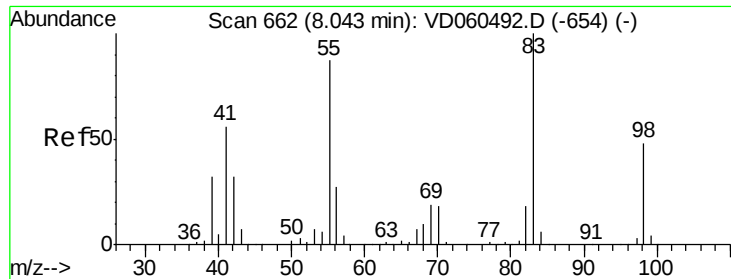
119 96.3 76.8 115.2

121 30.3 24.4 36.6



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

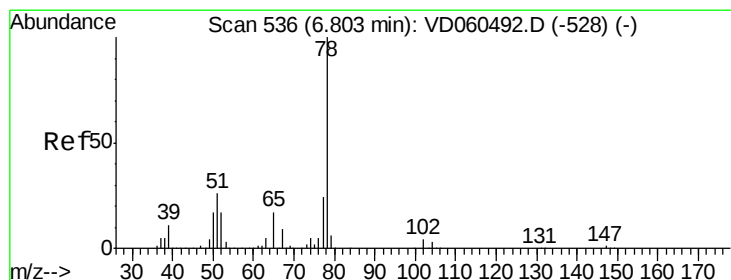
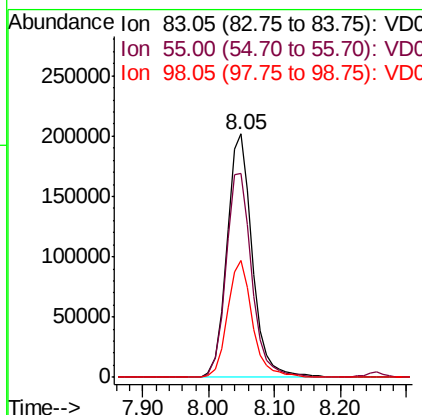
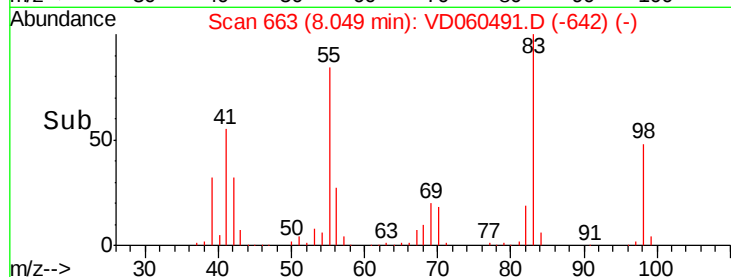
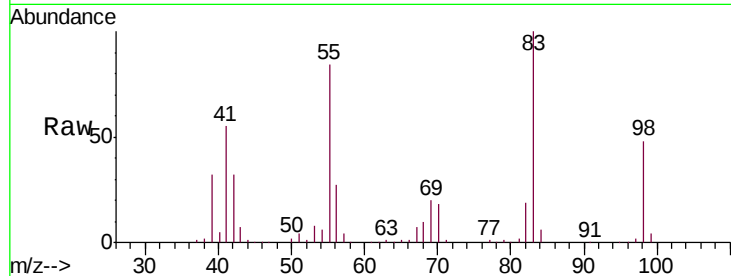




#39
Methylcyclohexane
Concen: 20.114 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

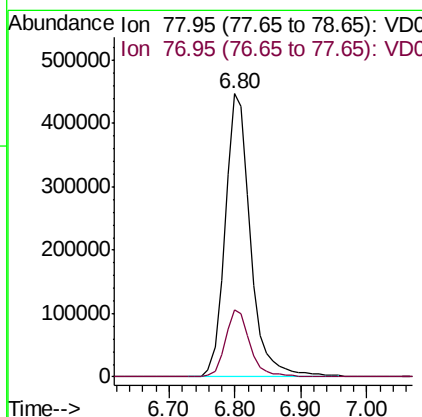
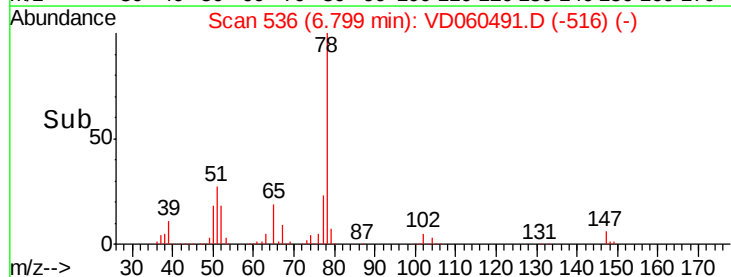
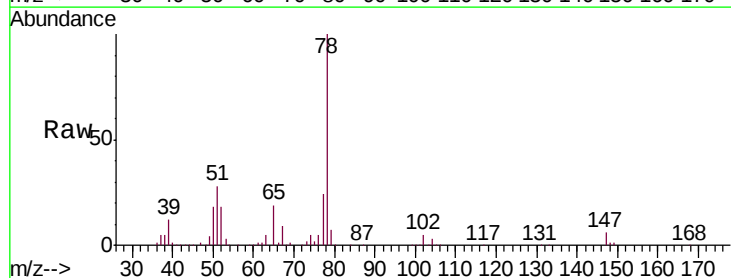
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

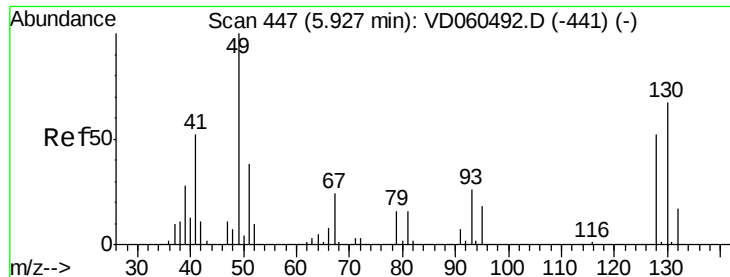
Tgt Ion: 83 Resp: 543738
Ion Ratio Lower Upper
83 100
55 83.7 69.8 104.8
98 47.8 38.4 57.6



#40
Benzene
Concen: 19.990 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion: 78 Resp: 1198926
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3





#41

Methacrylonitrile

Concen: 19.995 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.04 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 223113

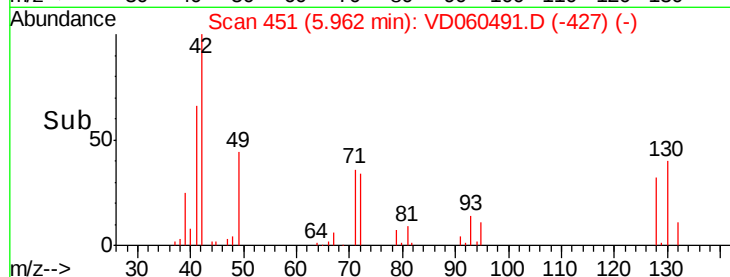
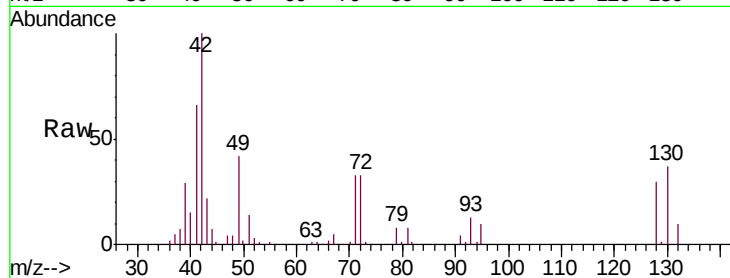
Ion Ratio Lower Upper

41 100

39 43.8 42.6 63.8

67 8.2 36.2 54.4#

52 4.0 15.6 23.4#

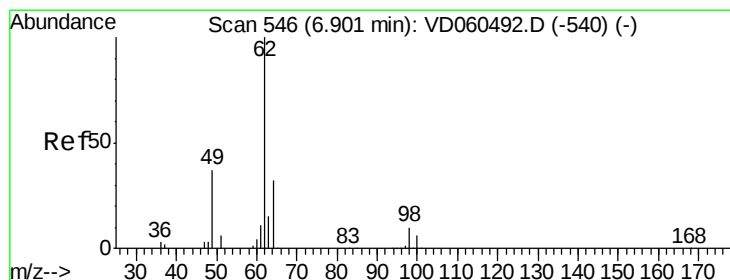
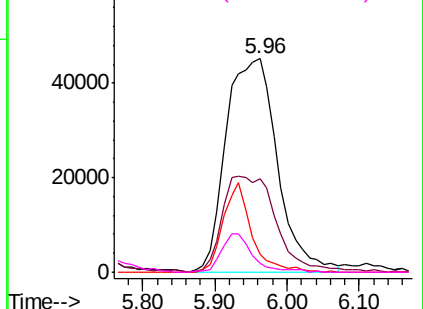


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 18.819 ug/l

RT: 6.91 min Scan# 547

Delta R.T. 0.01 min

Lab File: VD060491.D

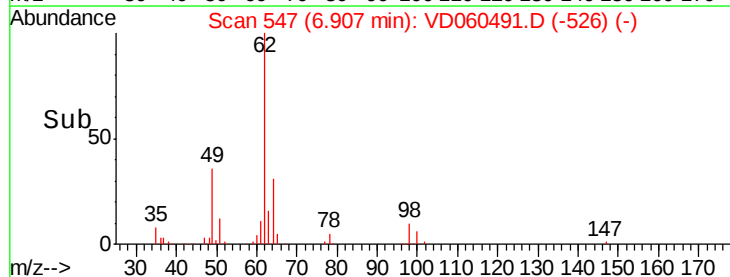
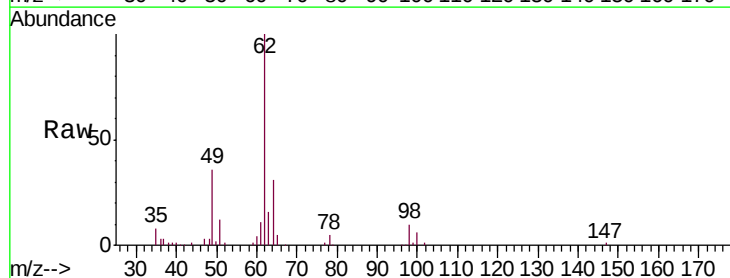
Acq: 5 Dec 2018 14:37

Tgt Ion: 62 Resp: 293696

Ion Ratio Lower Upper

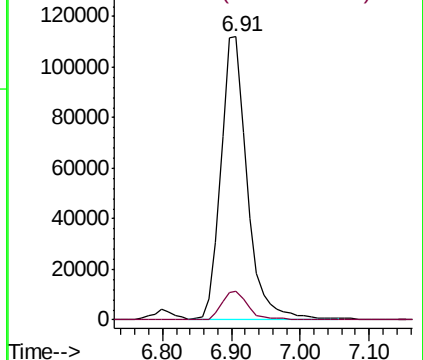
62 100

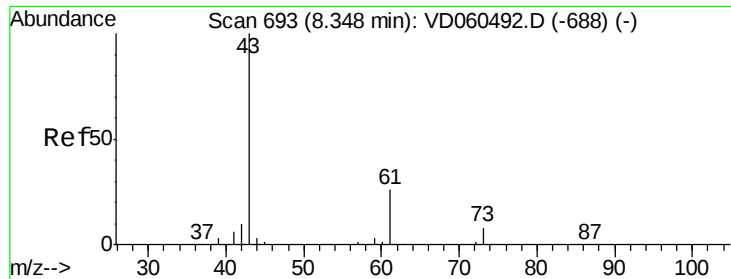
98 10.2 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 17.237 ug/l

RT: 8.35 min Scan# 694

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

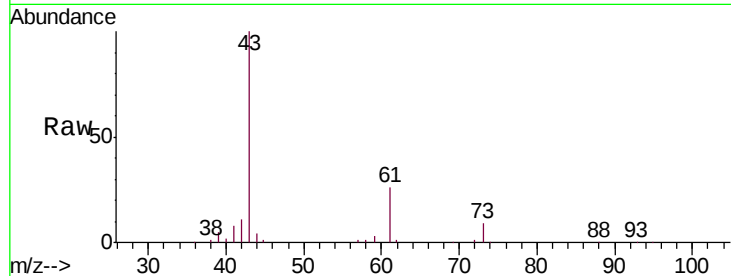
Tgt Ion: 43 Resp: 231757

Ion Ratio Lower Upper

43 100

61 25.6 21.0 31.4

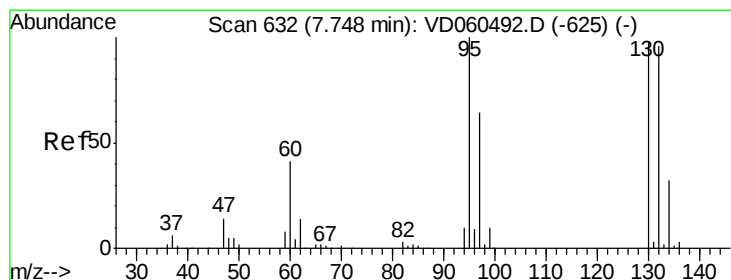
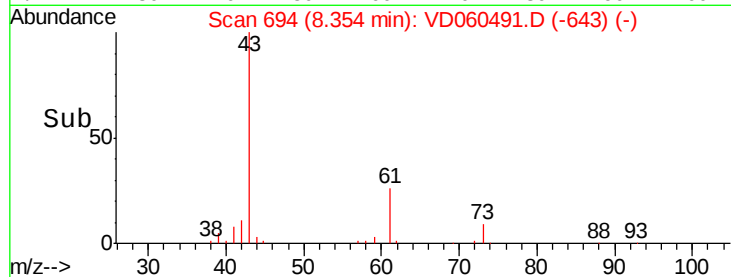
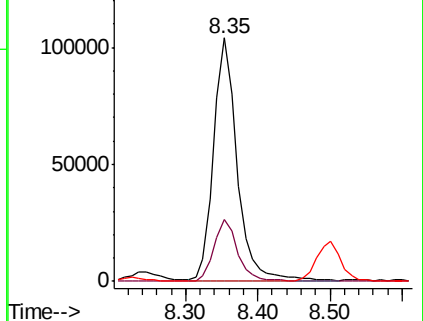
87 0.0 0.2 0.2#



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: 19.540 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.00 min

Lab File: VD060491.D

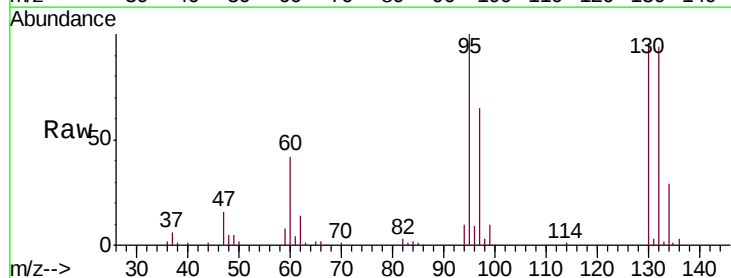
Acq: 5 Dec 2018 14:37

Tgt Ion:130 Resp: 355542

Ion Ratio Lower Upper

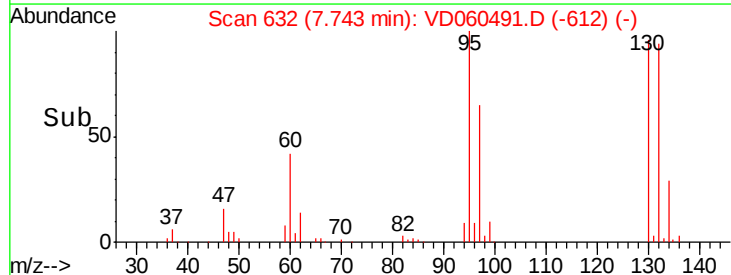
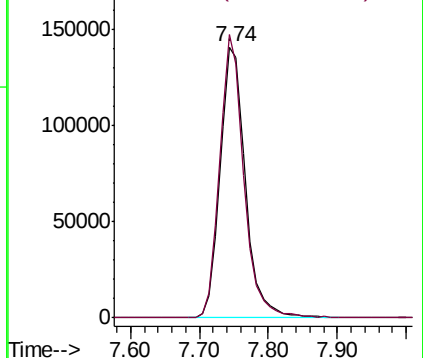
130 100

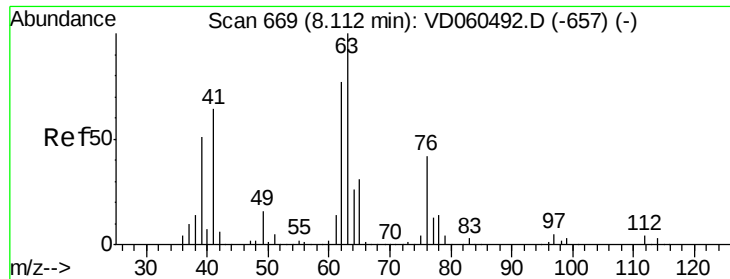
95 104.6 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

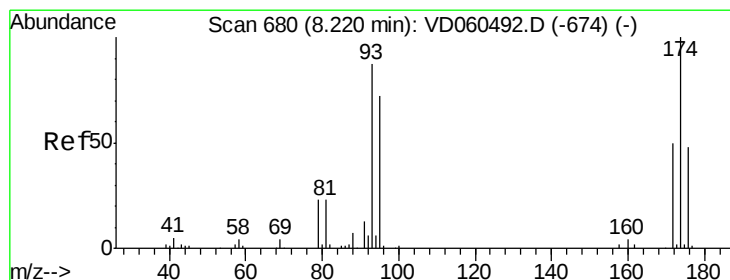
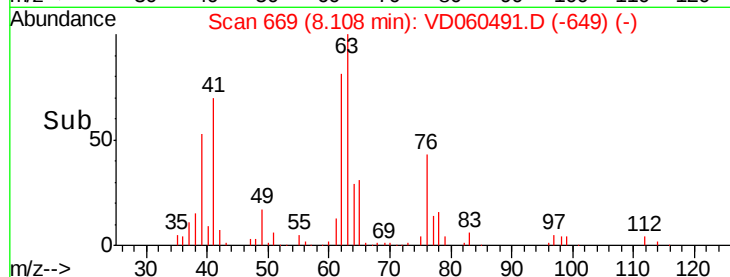
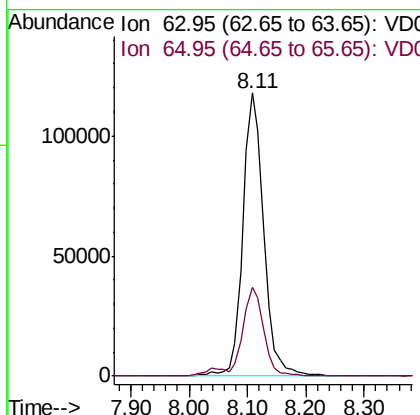
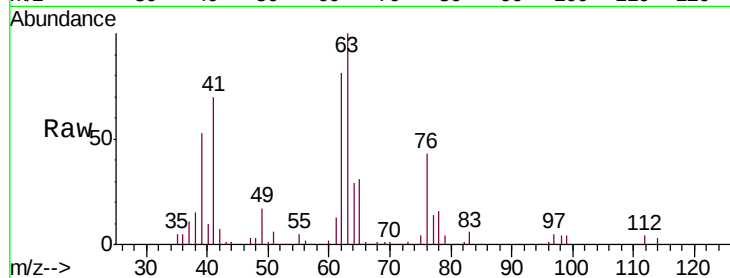




#45
 1,2-Dichloropropane
 Concen: 19.540 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

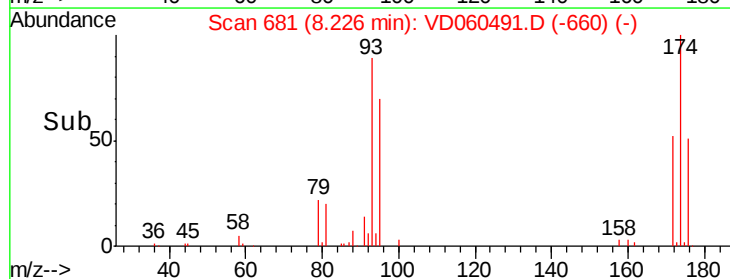
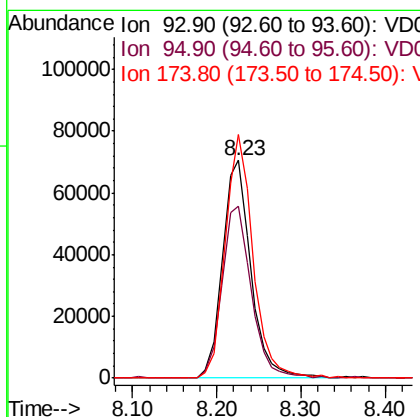
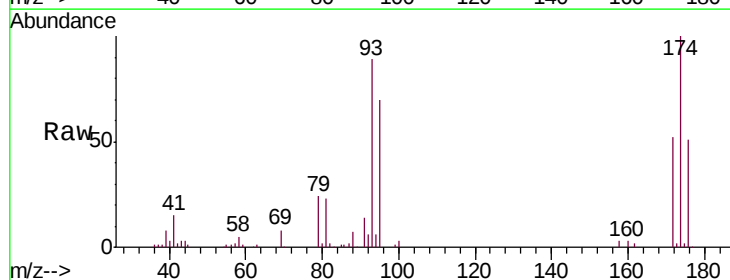
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

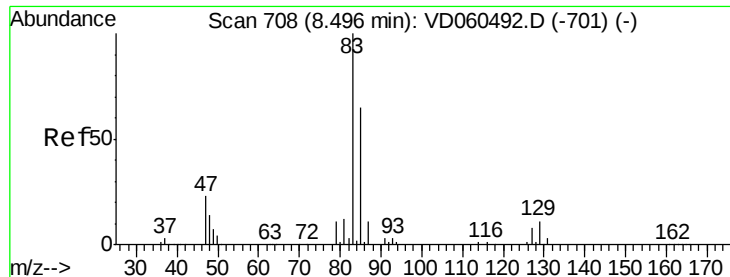
Tgt Ion: 63 Resp: 294867
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 37.0



#46
 Dibromomethane
 Concen: 18.648 ug/l
 RT: 8.23 min Scan# 681
 Delta R.T. 0.01 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Tgt Ion: 93 Resp: 165127
 Ion Ratio Lower Upper
 93 100
 95 78.7 65.6 98.4
 174 111.8 91.7 137.5





#47

Bromodichloromethane

Concen: 18.985 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

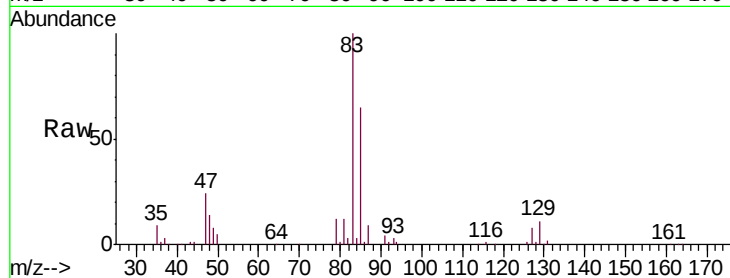
Tgt Ion: 83 Resp: 394494

Ion Ratio Lower Upper

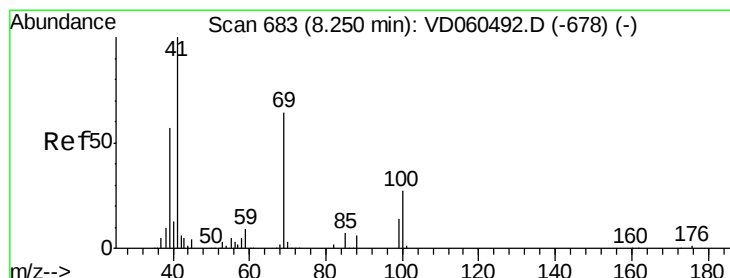
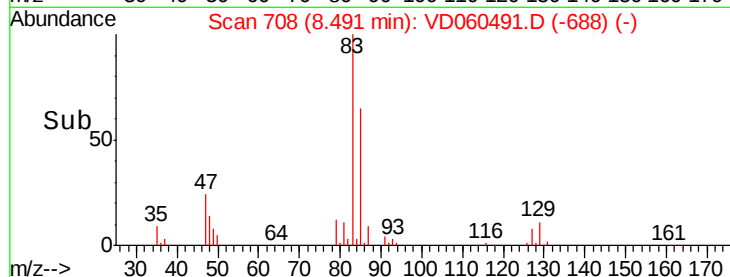
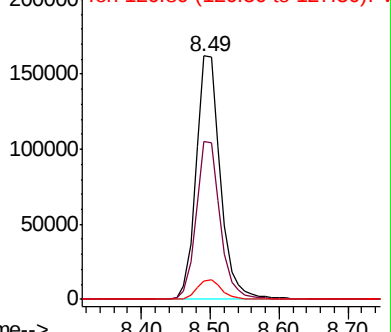
83 100

85 64.8 52.2 78.4

127 7.7 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: 17.247 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

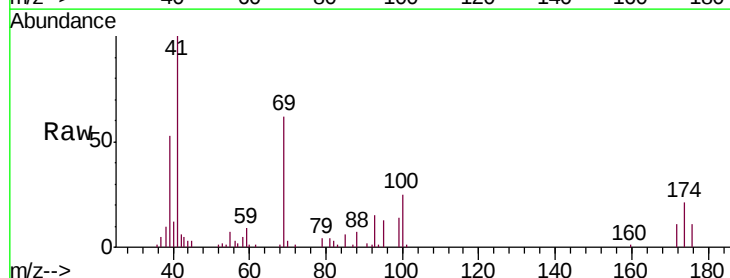
Tgt Ion: 41 Resp: 141439

Ion Ratio Lower Upper

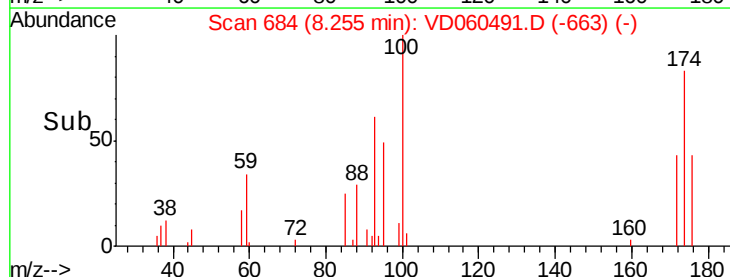
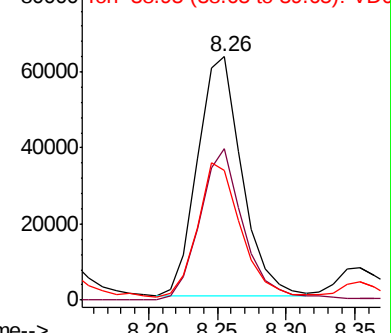
41 100

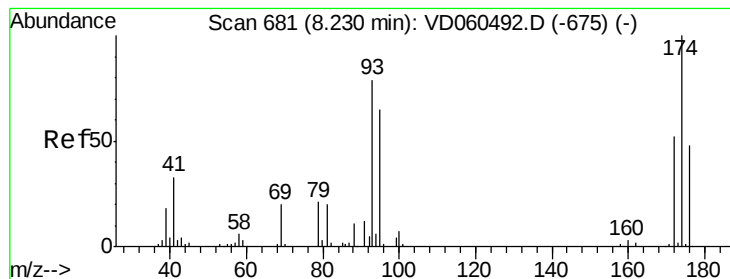
69 62.4 50.2 75.4

39 53.5 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: 349.835 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

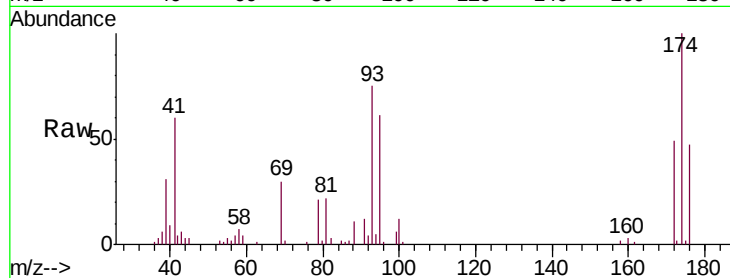
Tgt Ion: 88 Resp: 25060

Ion Ratio Lower Upper

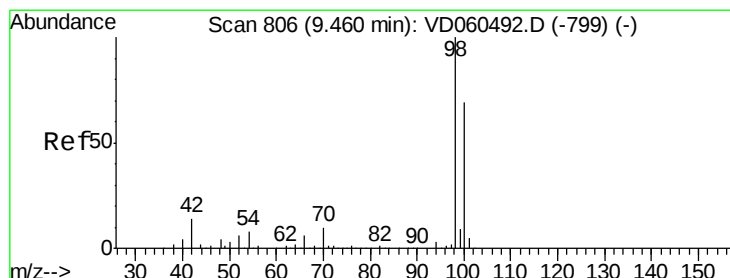
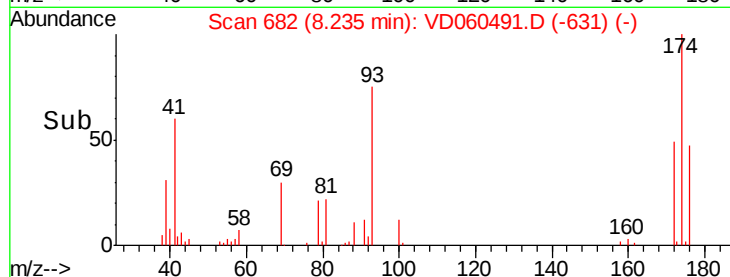
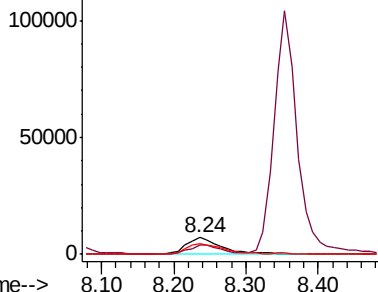
88 100

43 53.4 32.9 49.3#

58 63.5 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: 349.835 ug/l

RT: 9.46 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD060491.D

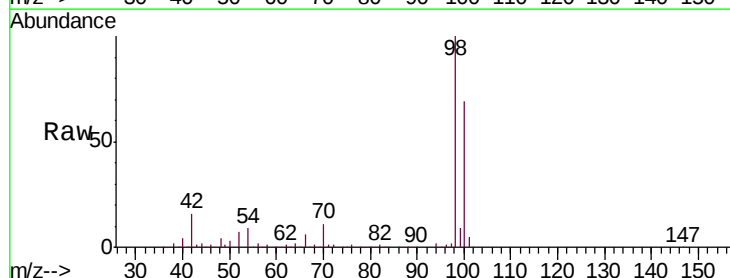
Acq: 5 Dec 2018 14:37

Tgt Ion: 98 Resp: 922457

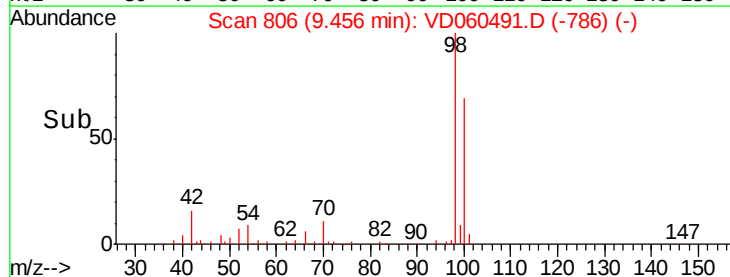
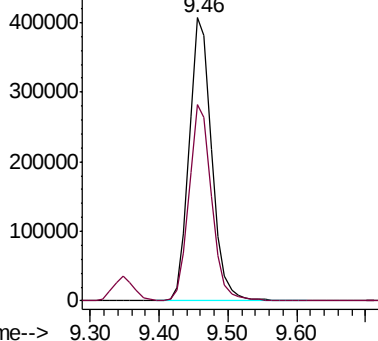
Ion Ratio Lower Upper

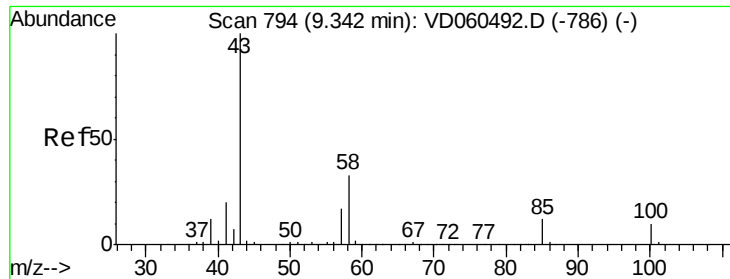
98 100

100 69.3 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: 84.309 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

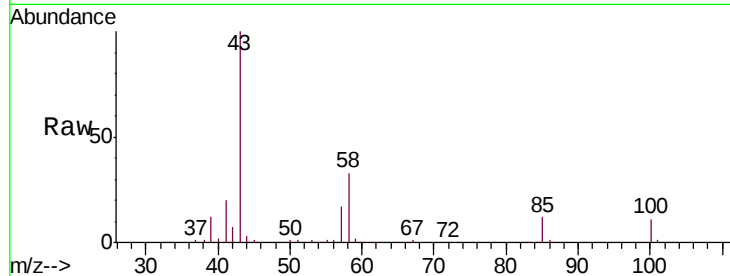
VSTDIC020

Tgt Ion: 43 Resp: 738737

Ion Ratio Lower Upper

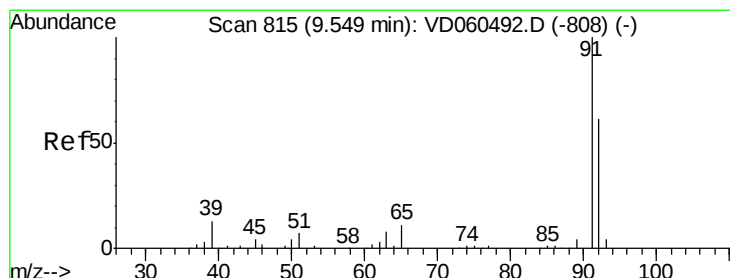
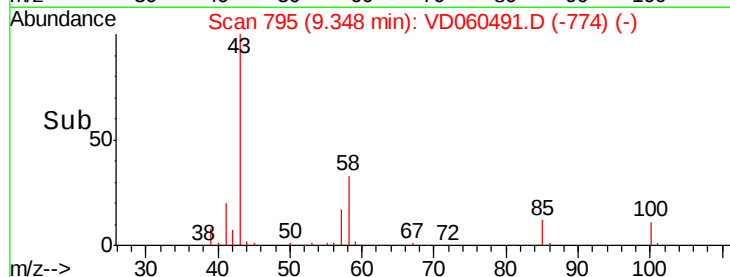
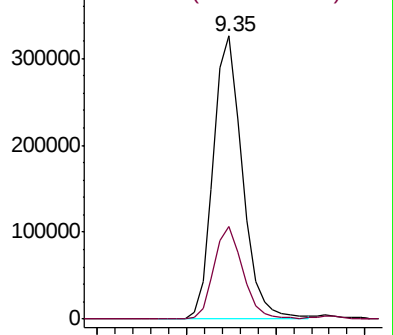
43 100

58 32.8 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.644 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.01 min

Lab File: VD060491.D

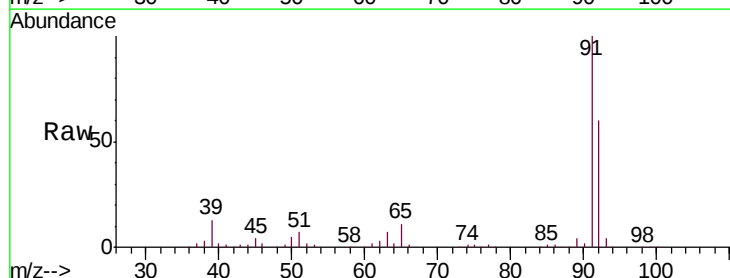
Acq: 5 Dec 2018 14:37

Tgt Ion: 92 Resp: 751760

Ion Ratio Lower Upper

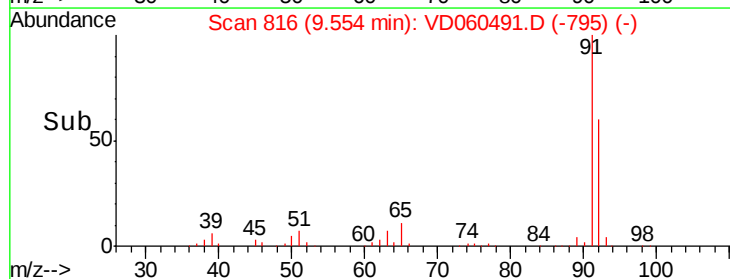
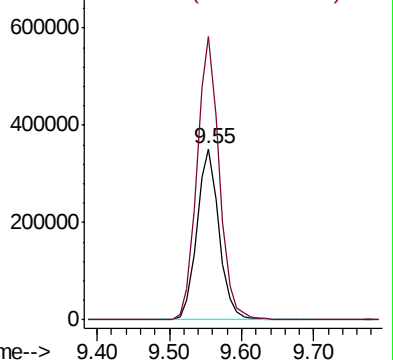
92 100

91 165.6 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

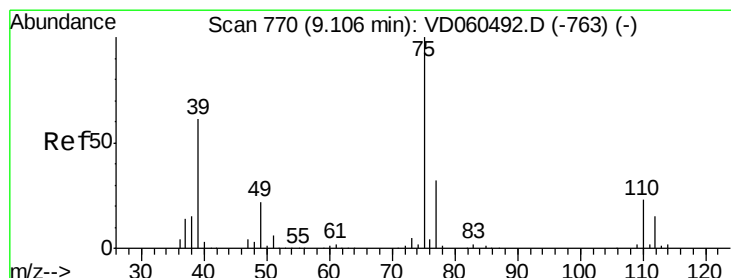
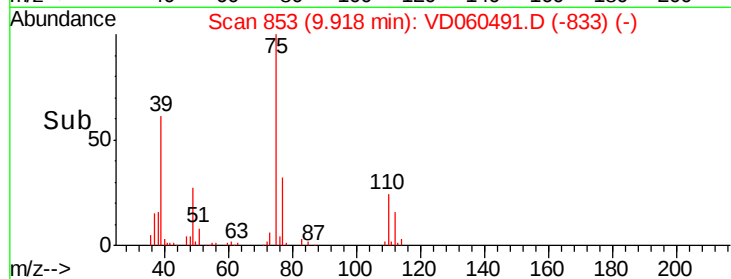
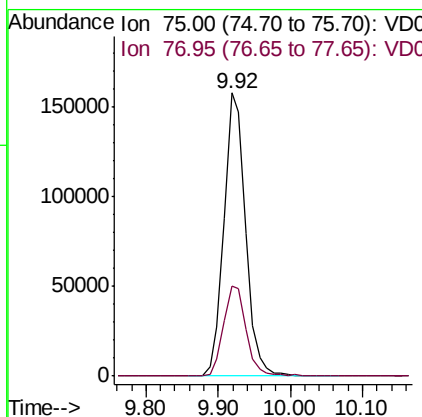
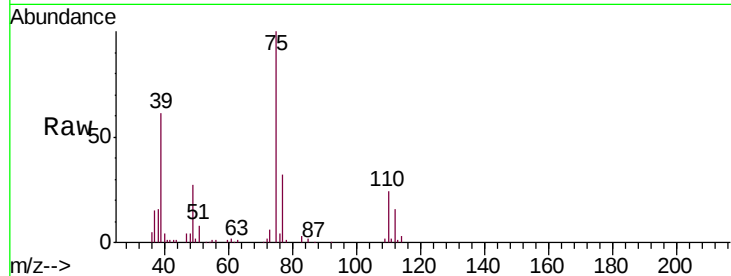




#53
t-1,3-Dichloropropene
Concen: 18.761 ug/l
RT: 9.92 min Scan# 853
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

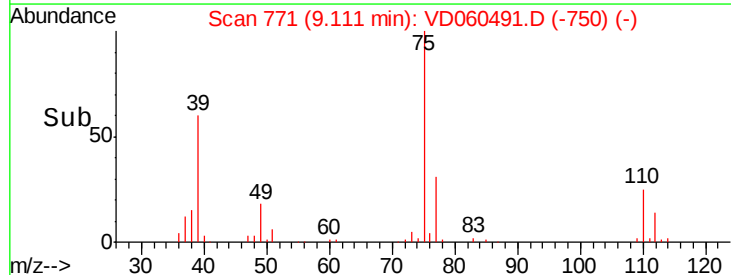
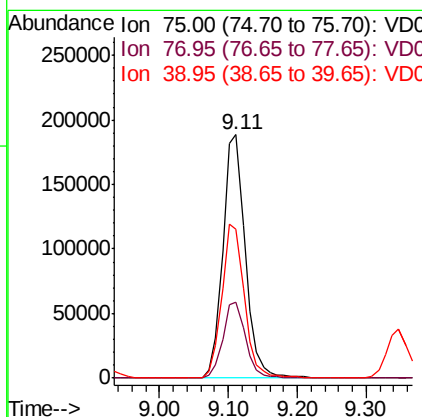
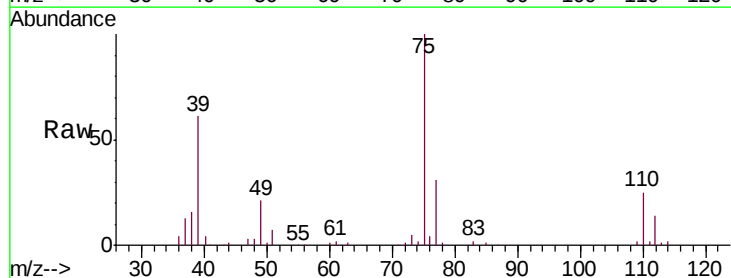
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

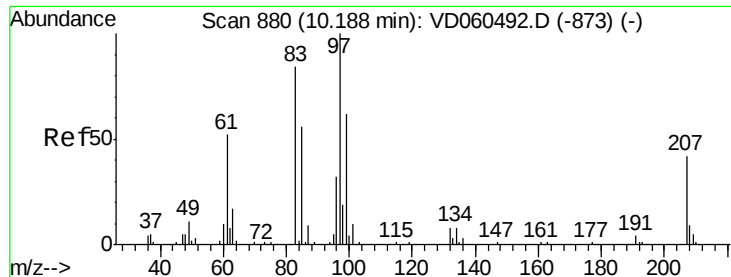
Tgt Ion: 75 Resp: 327903
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 18.813 ug/l
RT: 9.11 min Scan# 771
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion: 75 Resp: 425227
Ion Ratio Lower Upper
75 100
77 31.0 25.6 38.4
39 61.0 48.6 73.0





#55

1,1,2-Trichloroethane

Concen: 17.715 ug/l

RT: 10.18 min Scan# 880

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 196321

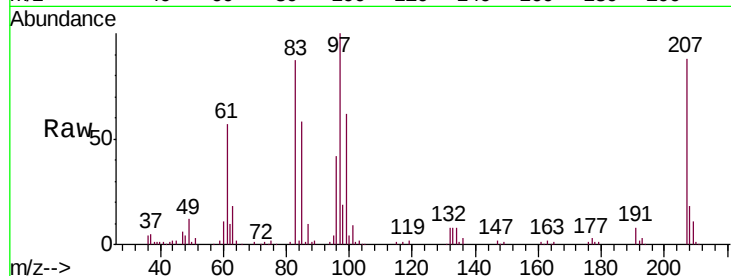
Ion Ratio Lower Upper

97 100

83 87.0 67.2 100.8

85 58.5 44.5 66.7

99 62.1 49.3 73.9

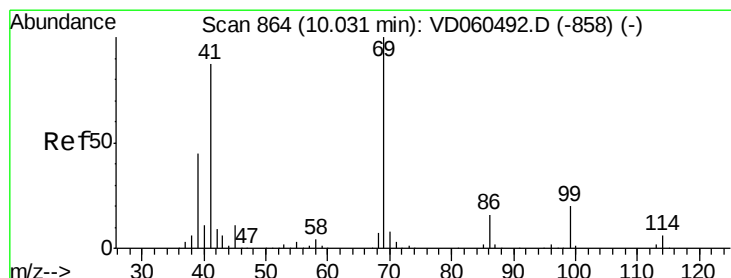
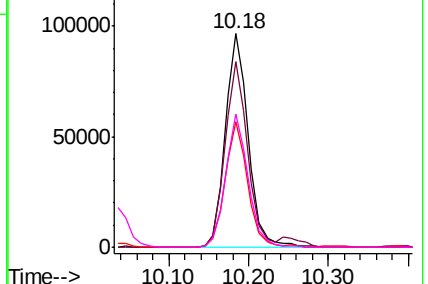
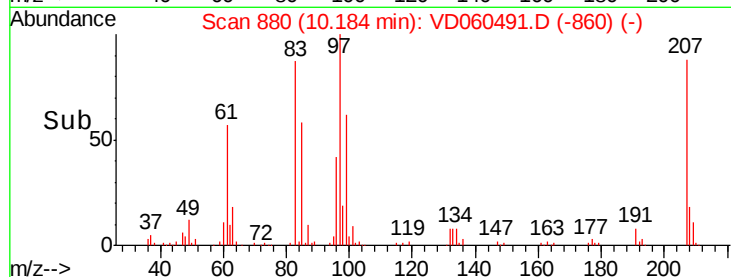


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 17.395 ug/l

RT: 10.04 min Scan# 865

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

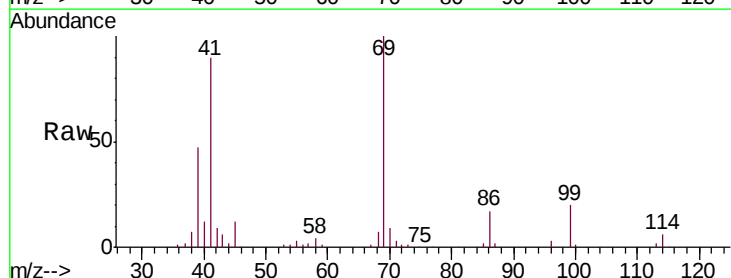
Tgt Ion: 69 Resp: 176024

Ion Ratio Lower Upper

69 100

41 90.3 69.8 104.8

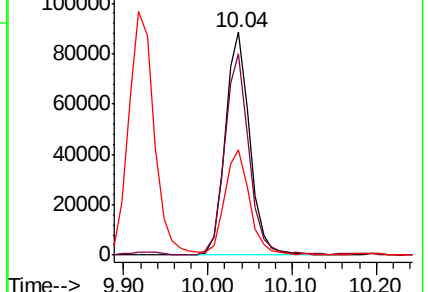
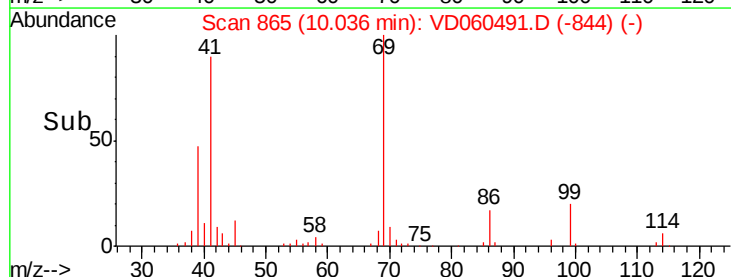
39 47.4 37.5 56.3

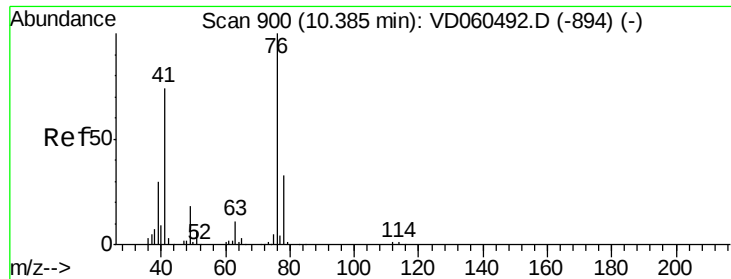


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 18.670 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

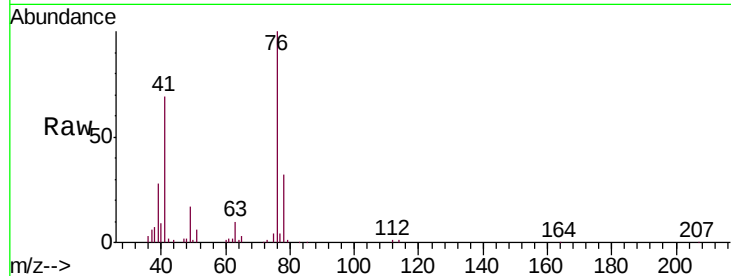
VSTDIC020

Tgt Ion: 76 Resp: 314059

Ion Ratio Lower Upper

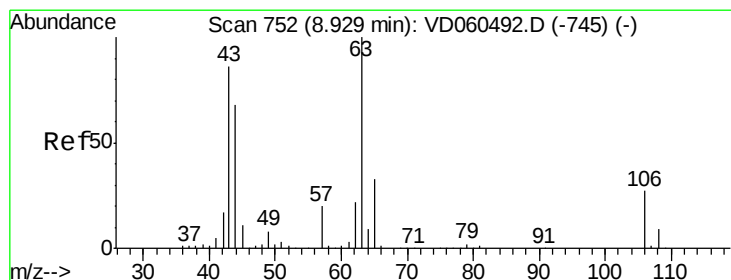
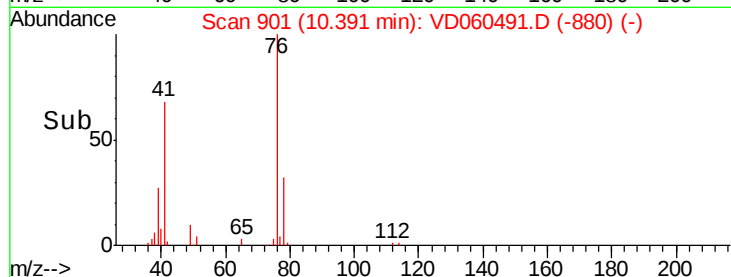
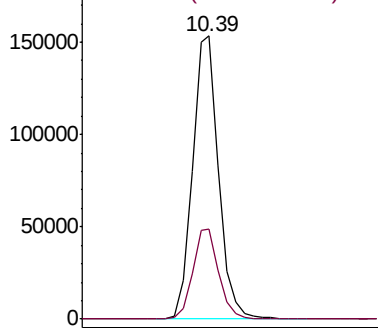
76 100

78 31.9 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 93.410 ug/l

RT: 8.92 min Scan# 752

Delta R.T. -0.00 min

Lab File: VD060491.D

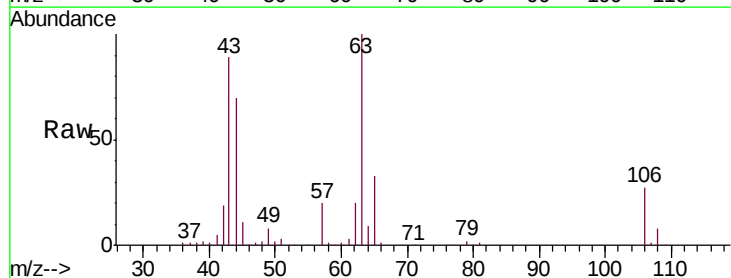
Acq: 5 Dec 2018 14:37

Tgt Ion: 63 Resp: 568755

Ion Ratio Lower Upper

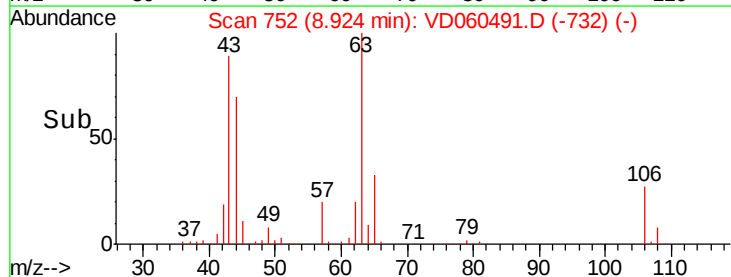
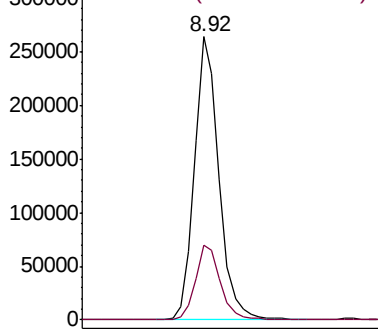
63 100

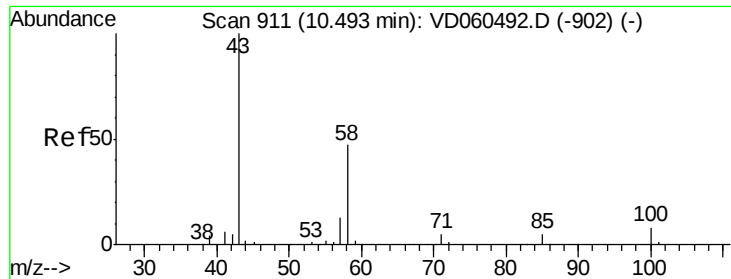
106 26.6 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

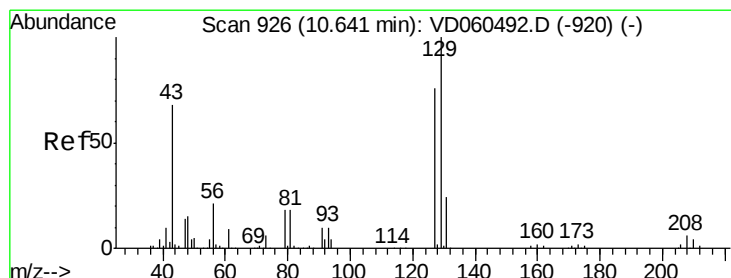
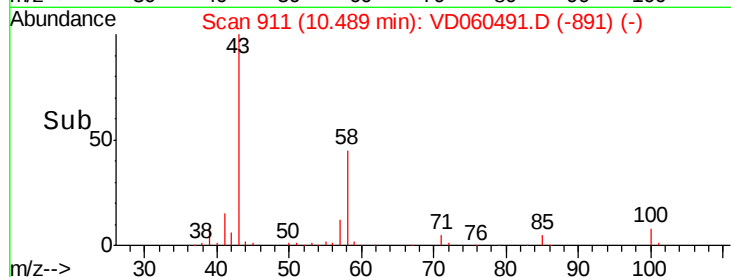
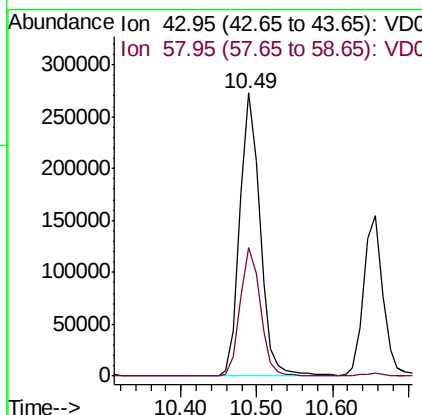
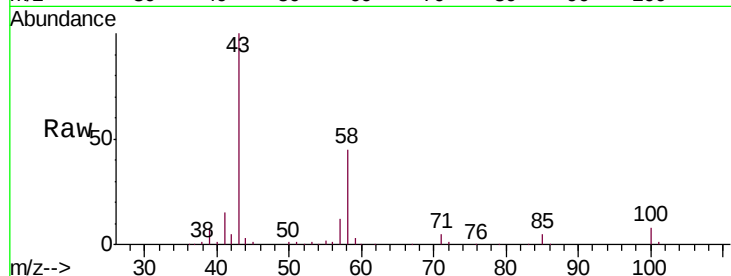




#59
2-Hexanone
Concen: 81.328 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

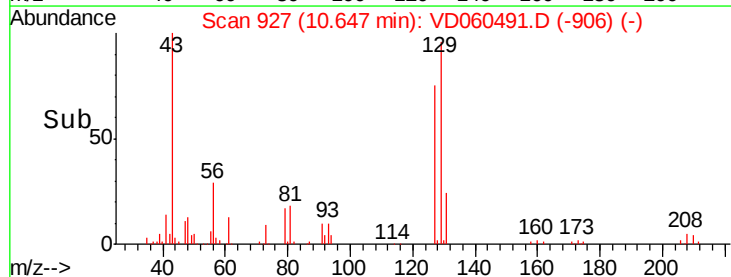
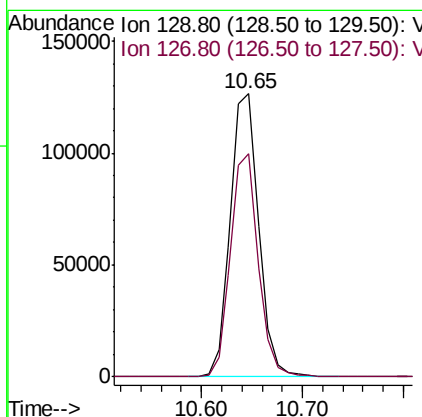
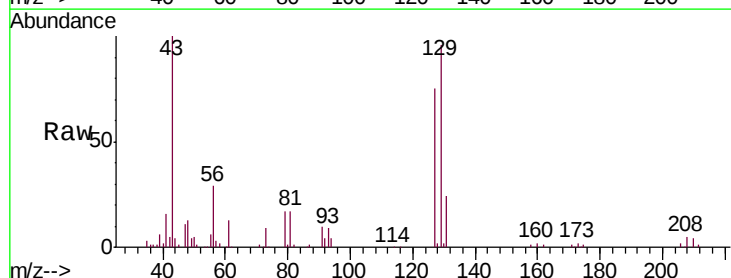
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

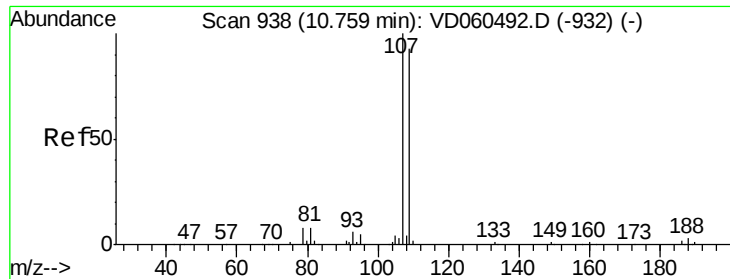
Tgt Ion: 43 Resp: 505065
Ion Ratio Lower Upper
43 100
58 45.3 23.4 70.2



#60
Dibromochloromethane
Concen: 18.363 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion: 129 Resp: 246948
Ion Ratio Lower Upper
129 100
127 78.7 38.1 114.3

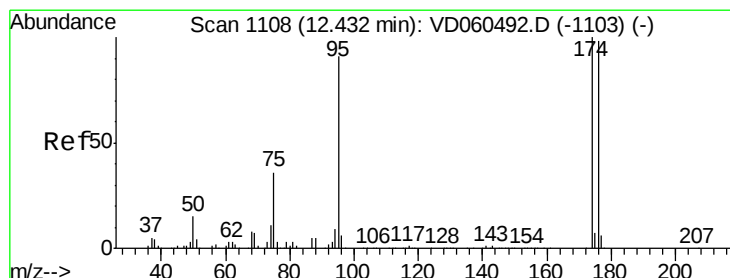
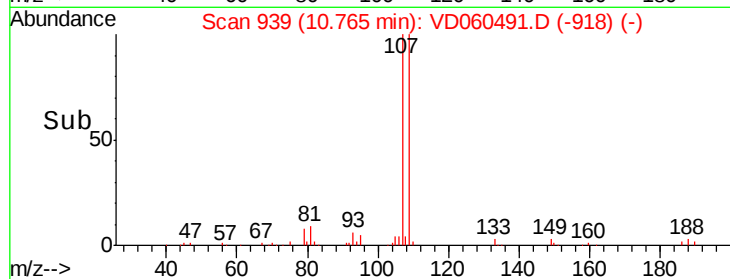
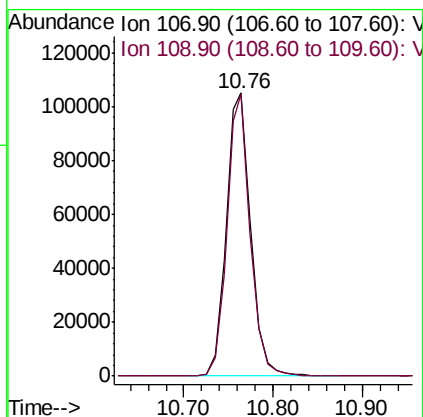
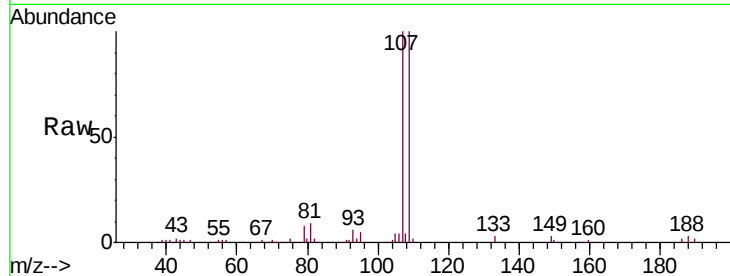




#61
1,2-Dibromoethane
Concen: 18.183 ug/l
RT: 10.76 min Scan# 939
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

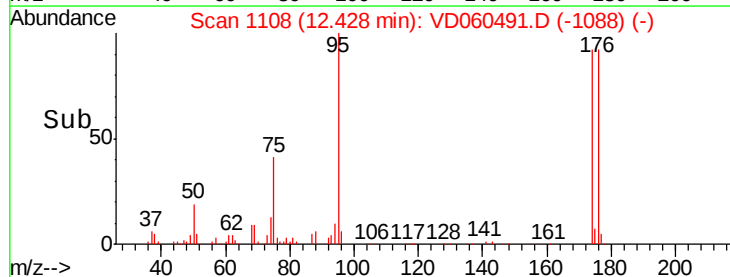
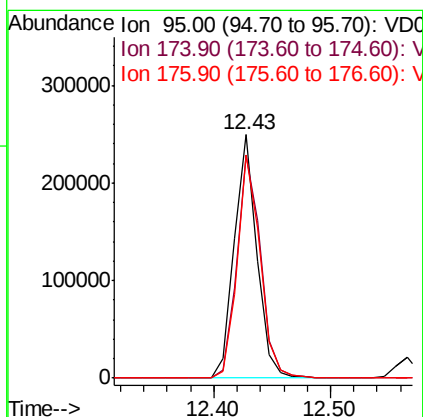
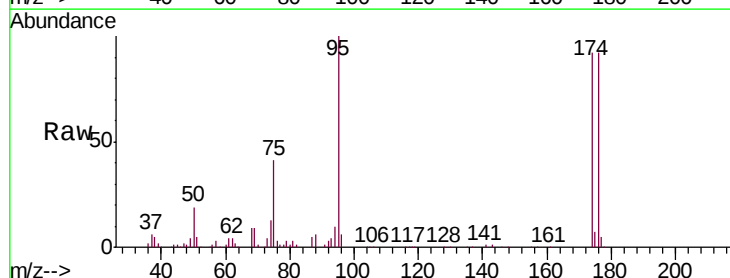
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

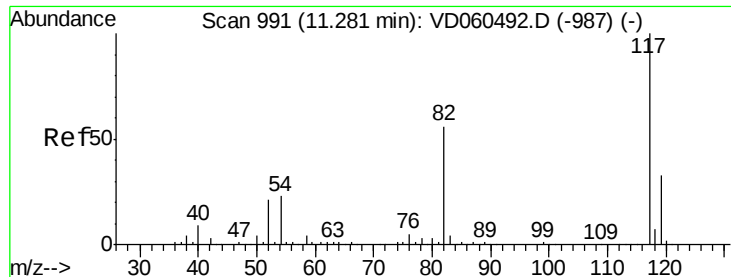
Tgt Ion: 107 Resp: 201583
Ion Ratio Lower Upper
107 100
109 99.5 74.7 112.1



#62
4-Bromofluorobenzene
Concen: 18.183 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion: 95 Resp: 336035
Ion Ratio Lower Upper
95 100
174 91.7 0.0 219.4
176 91.9 0.0 214.6

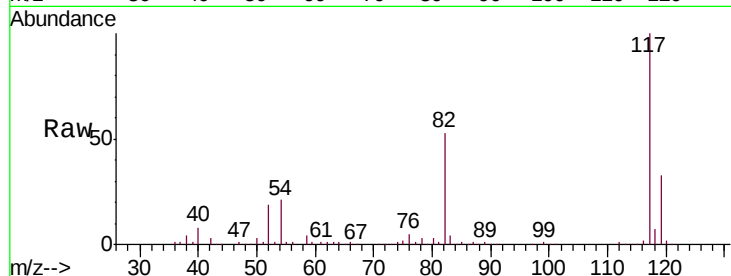




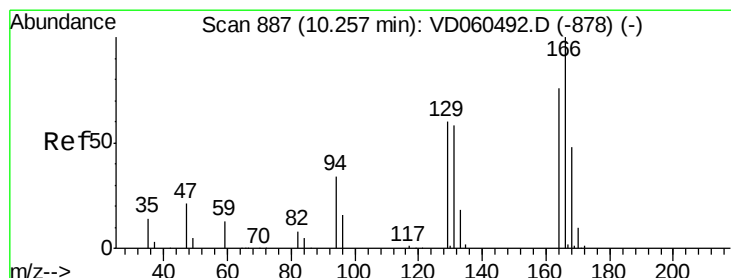
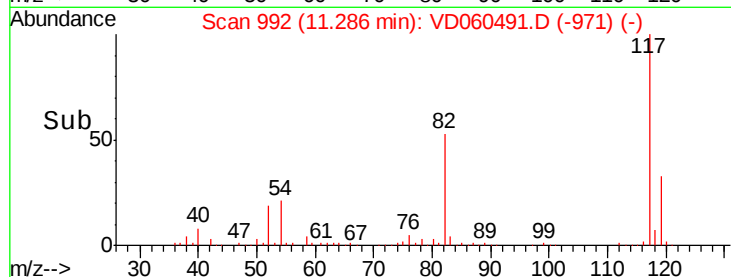
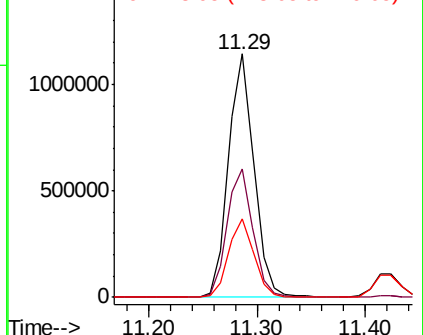
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 1885628
Ion Ratio Lower Upper
117 100
82 52.7 45.2 67.8
119 32.5 26.1 39.1

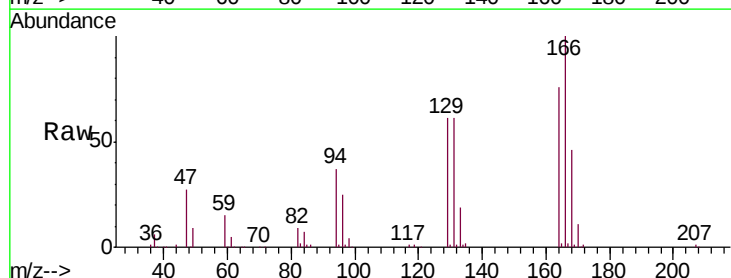


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

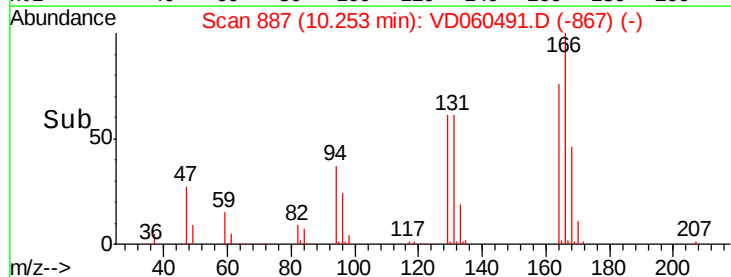
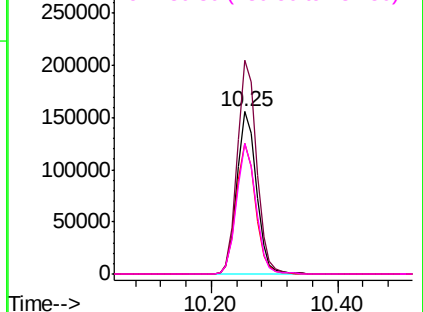


#64
Tetrachloroethene
Concen: 19.534 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion:164 Resp: 329744
Ion Ratio Lower Upper
164 100
166 131.4 105.0 157.6
129 80.3 63.0 94.4
131 80.6 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

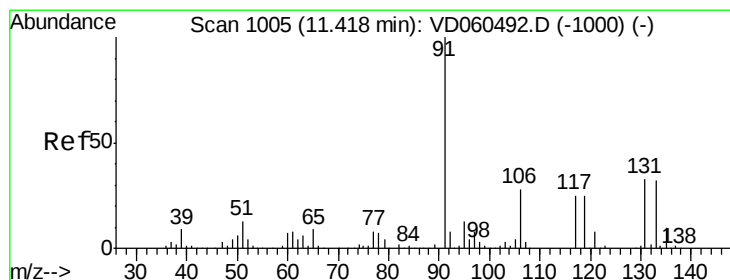
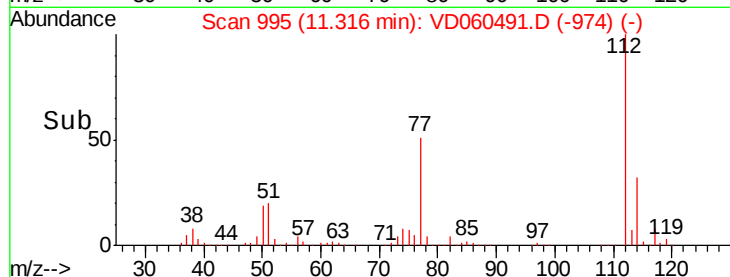
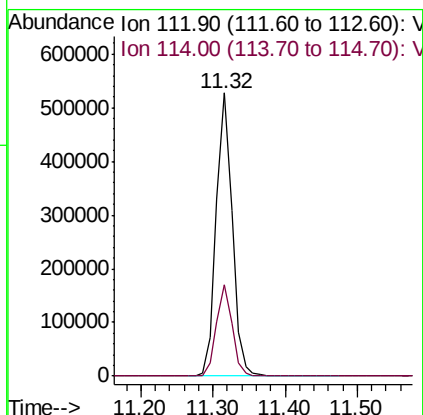
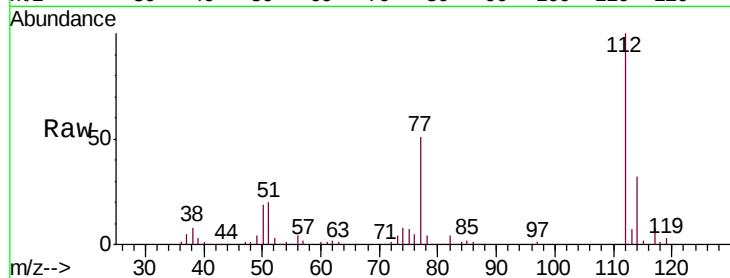




#65
Chlorobenzene
Concen: 19.784 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

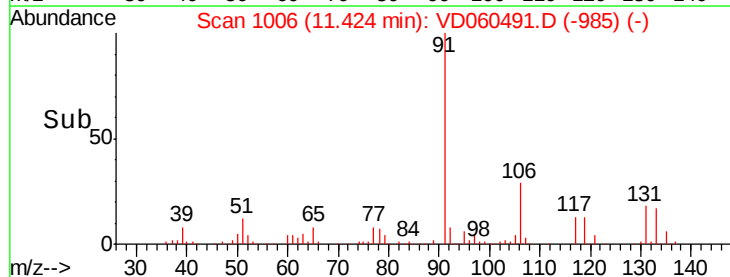
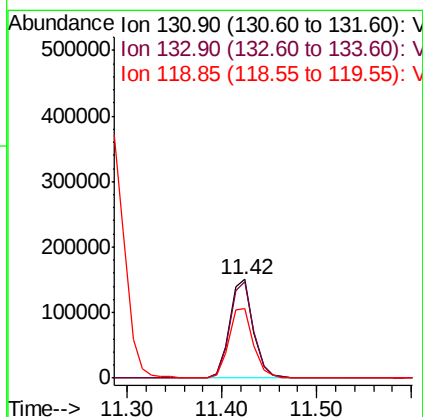
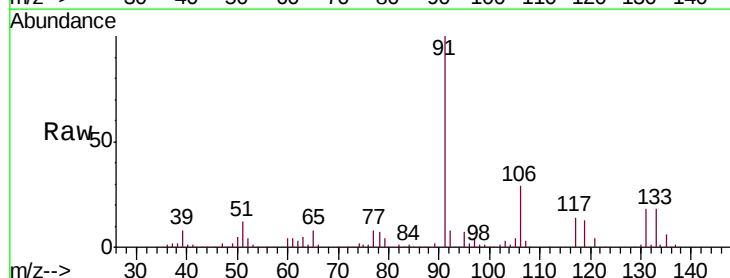
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

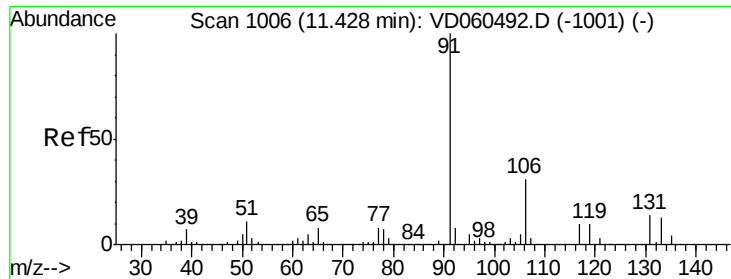
Tgt Ion:112 Resp: 805933
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.525 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion:131 Resp: 260105
Ion Ratio Lower Upper
131 100
133 98.6 49.1 147.3
119 71.1 37.5 112.3

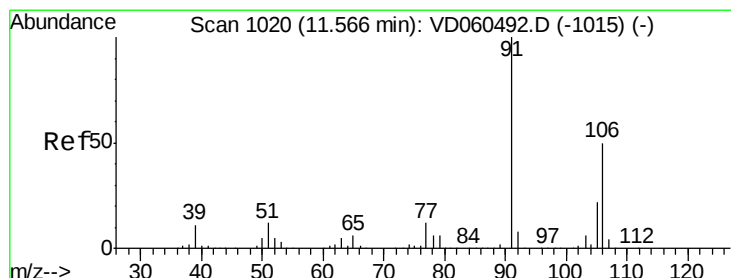
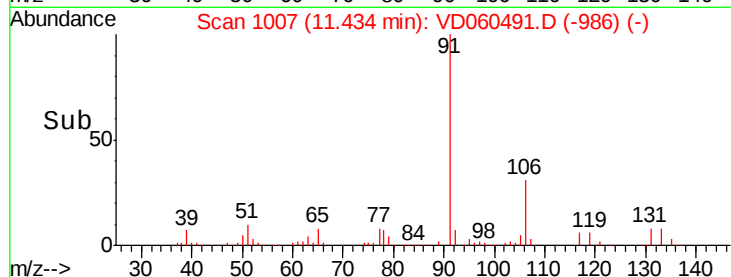
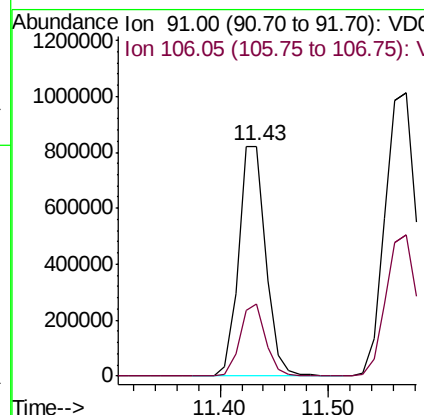
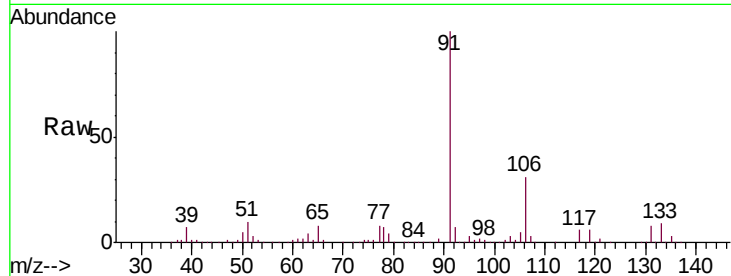




#67
Ethyl Benzene
Concen: 20.459 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

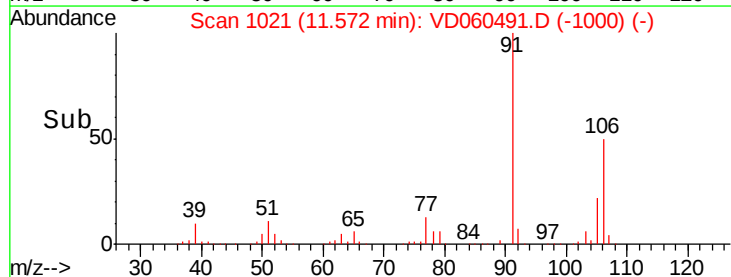
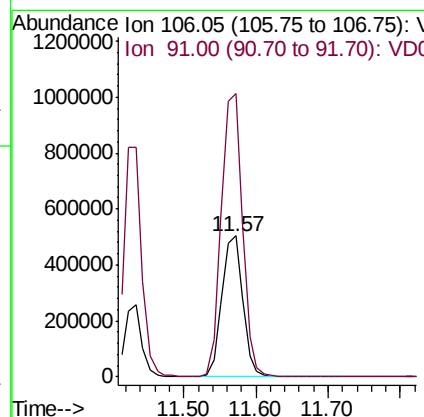
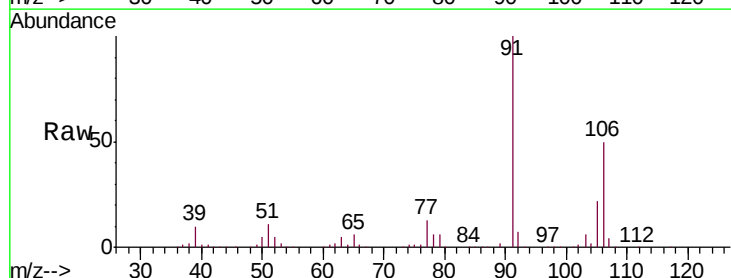
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

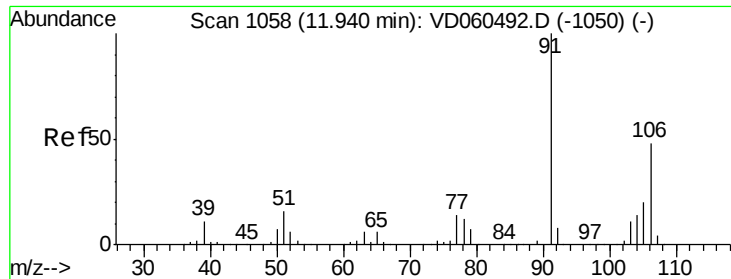
Tgt Ion: 91 Resp: 1430894
Ion Ratio Lower Upper
91 100
106 31.1 24.6 37.0



#68
m/p-Xylenes
Concen: 39.084 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion: 106 Resp: 1005822
Ion Ratio Lower Upper
106 100
91 200.5 160.5 240.7

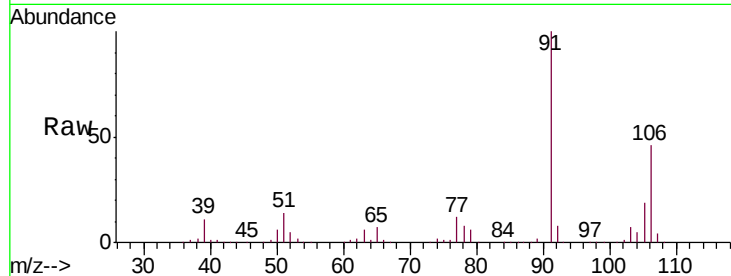




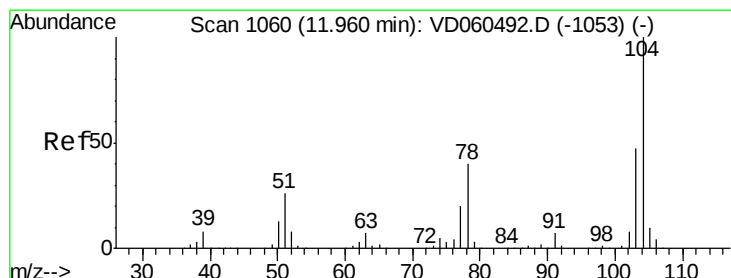
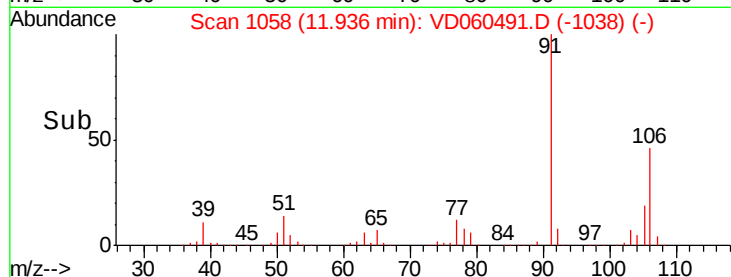
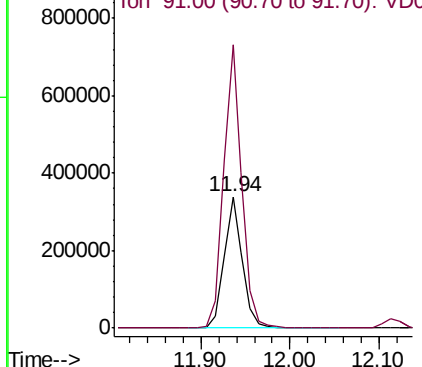
#69
o-Xylene
Concen: 19.503 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 484418
Ion Ratio Lower Upper
106 100
91 215.6 103.4 310.1

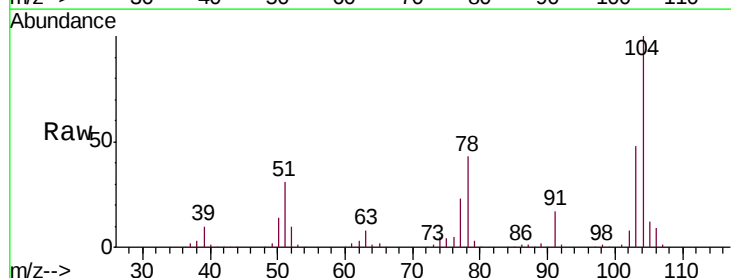


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

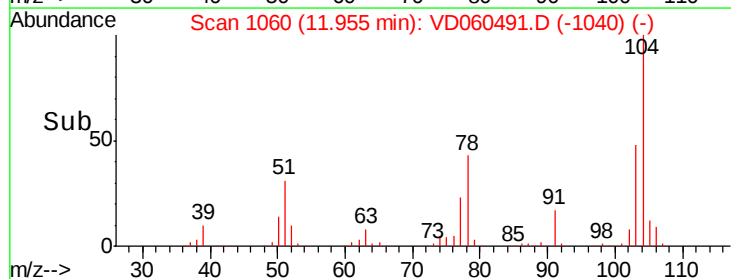
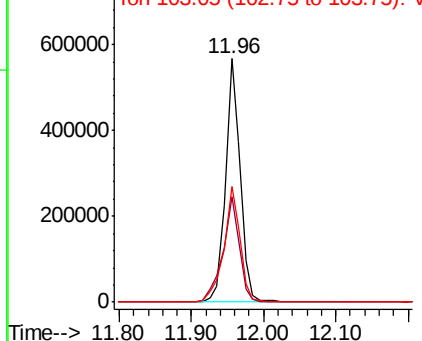


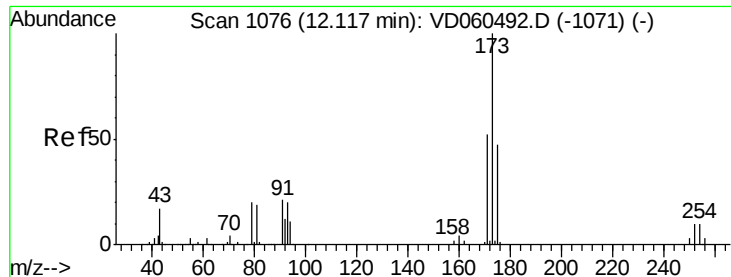
#70
Styrene
Concen: 19.654 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion:104 Resp: 792986
Ion Ratio Lower Upper
104 100
78 43.1 32.1 48.1
103 47.7 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





#71

Bromoform

Concen: 18.039 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

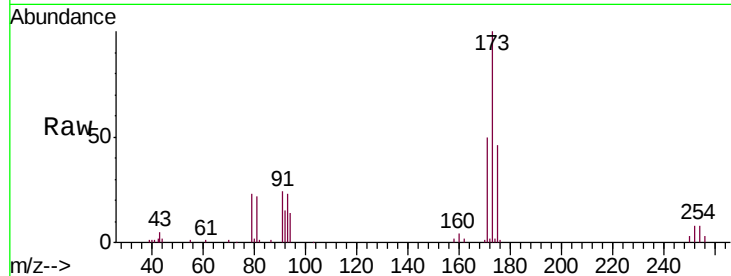
Tgt Ion:173 Resp: 162010

Ion Ratio Lower Upper

173 100

175 46.1 23.5 70.6

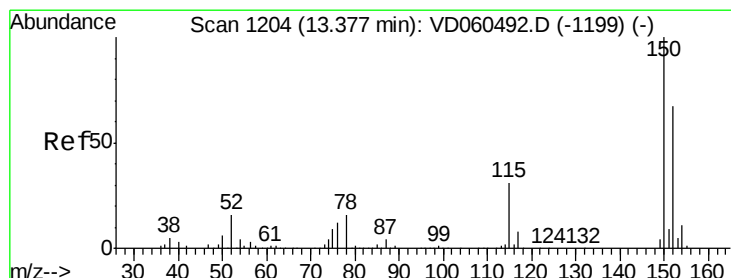
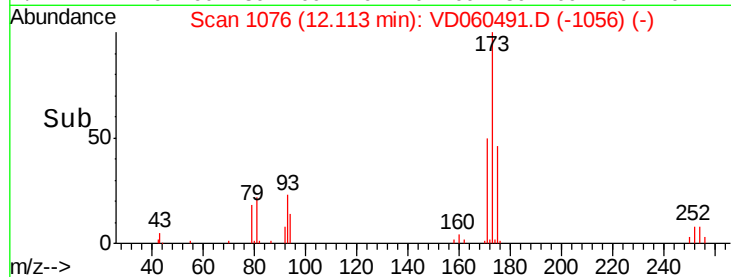
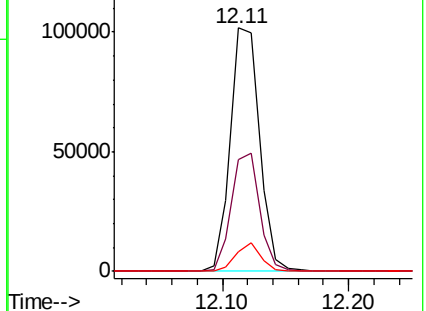
254 8.3 7.8 11.8



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: 13.37 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

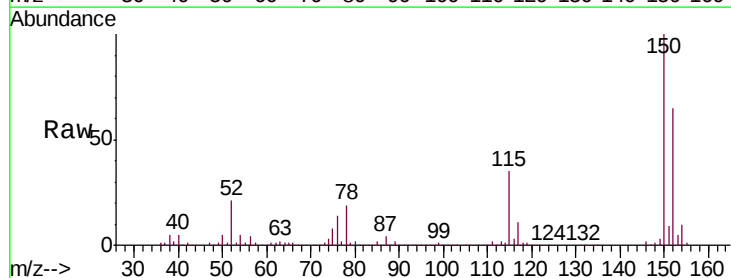
Tgt Ion:152 Resp: 907882

Ion Ratio Lower Upper

152 100

115 54.5 24.6 74.0

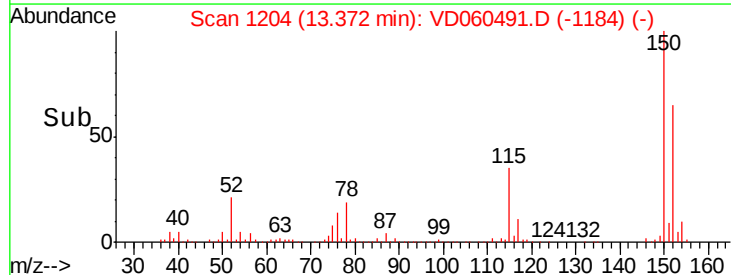
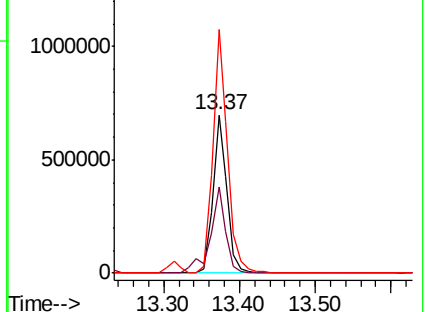
150 153.9 0.0 309.0

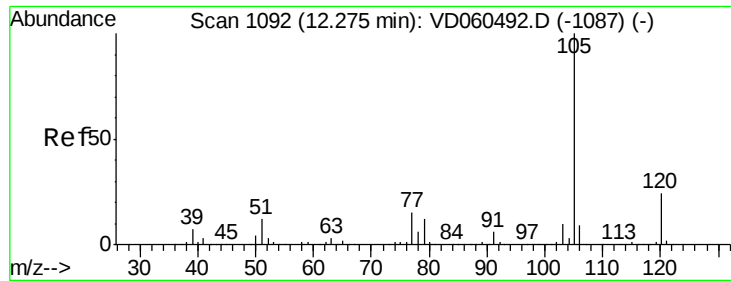


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.359 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

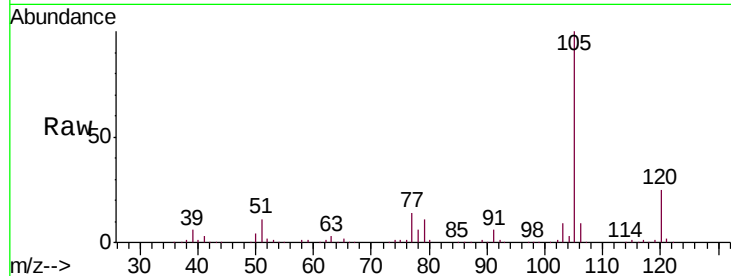
VSTDIC020

Tgt Ion:105 Resp: 1351276

Ion Ratio Lower Upper

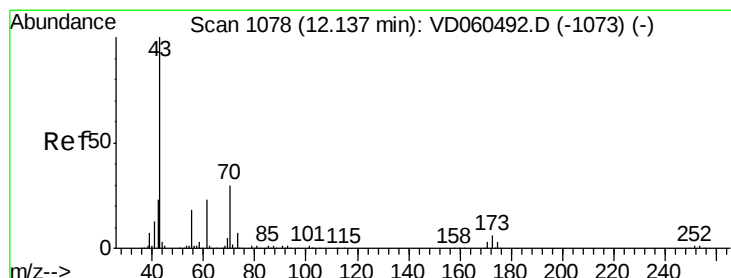
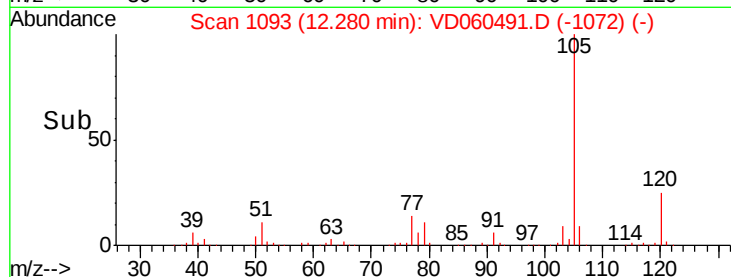
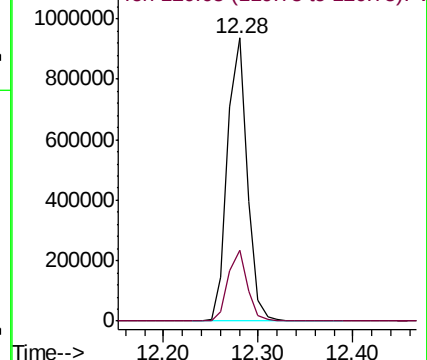
105 100

120 25.0 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.445 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Tgt Ion: 43 Resp: 312044

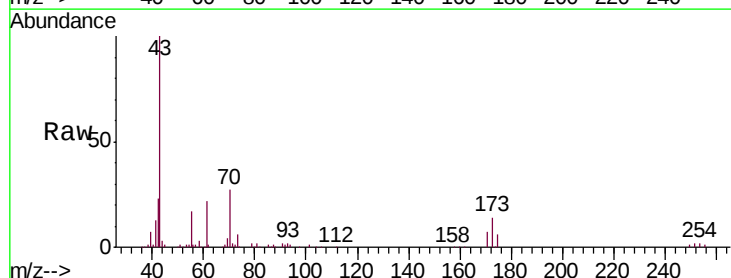
Ion Ratio Lower Upper

43 100

70 26.6 23.8 35.8

55 17.1 14.2 21.2

61 21.5 18.1 27.1

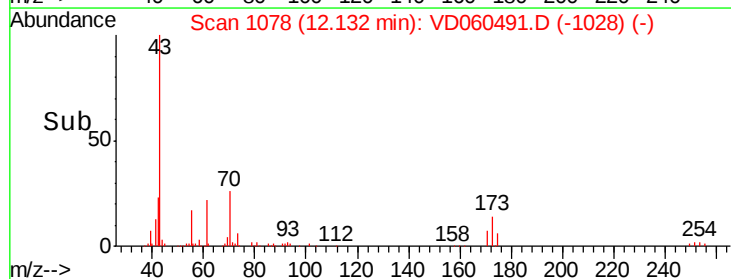
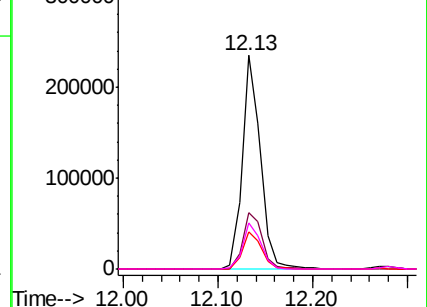


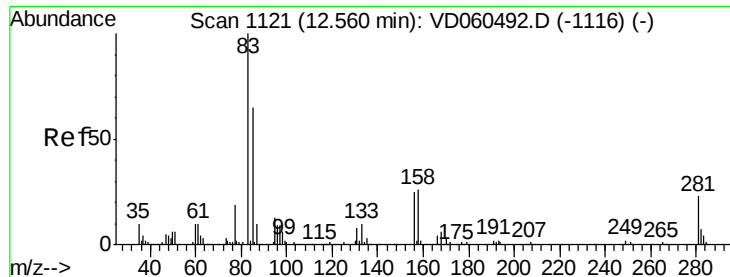
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.071 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

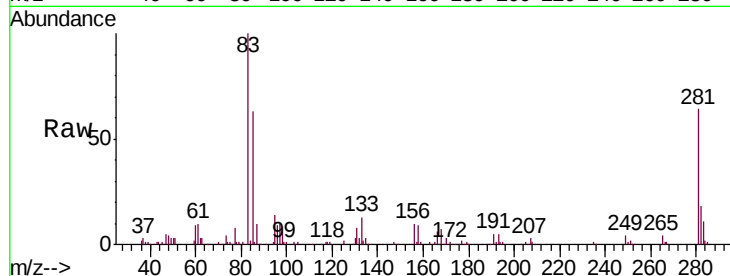
Tgt Ion: 83 Resp: 204869

Ion Ratio Lower Upper

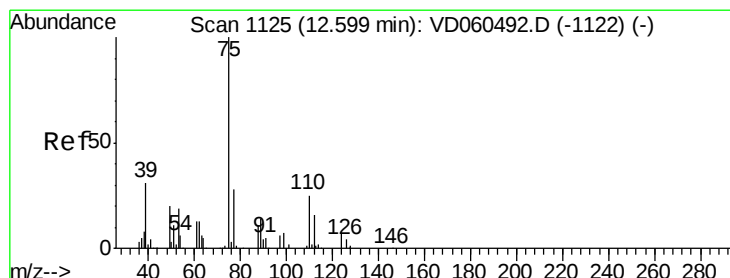
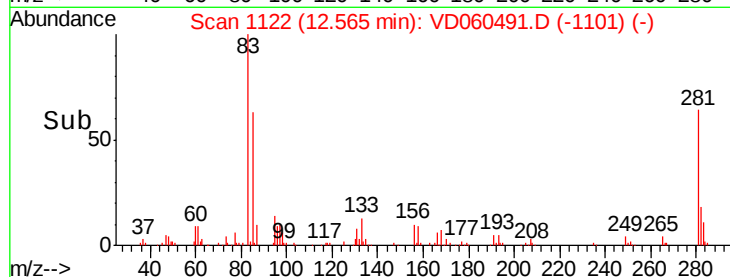
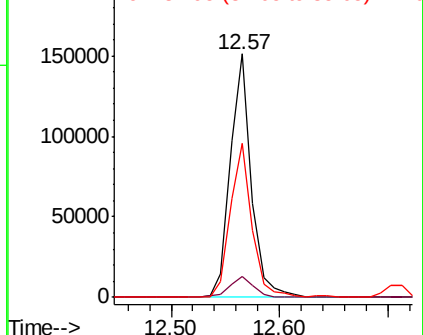
83 100

131 8.4 3.8 11.4

85 63.3 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: 18.982 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VD060491.D

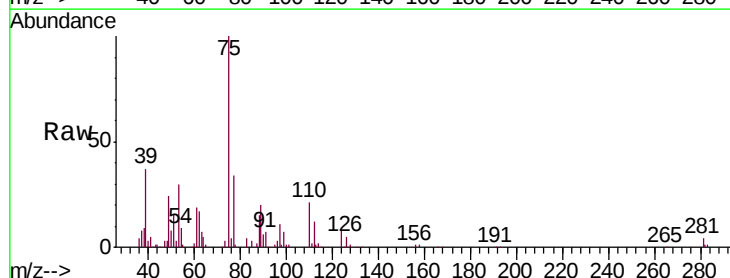
Acq: 5 Dec 2018 14:37

Tgt Ion: 75 Resp: 205283

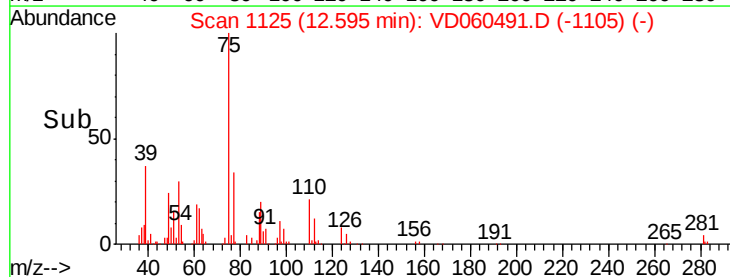
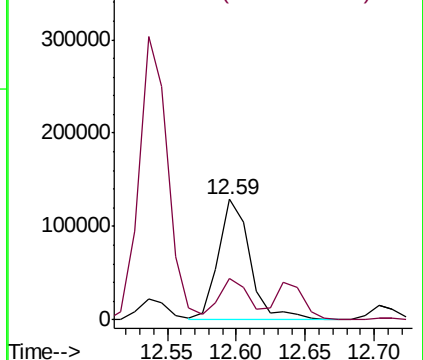
Ion Ratio Lower Upper

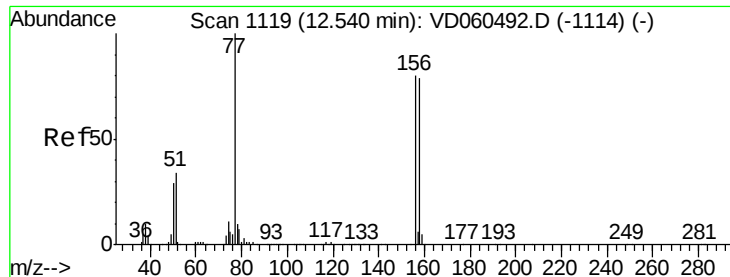
75 100

77 34.1 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: 19.783 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.01 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

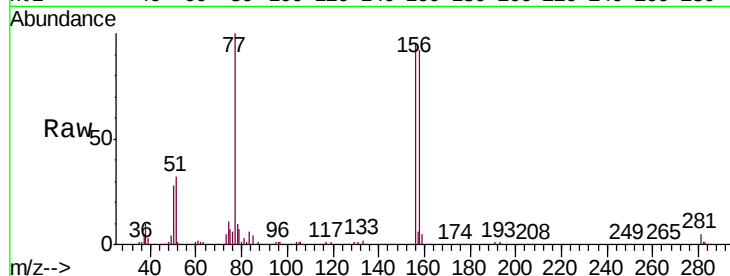
Tgt Ion:156 Resp: 347161

Ion Ratio Lower Upper

156 100

77 105.5 62.5 187.6

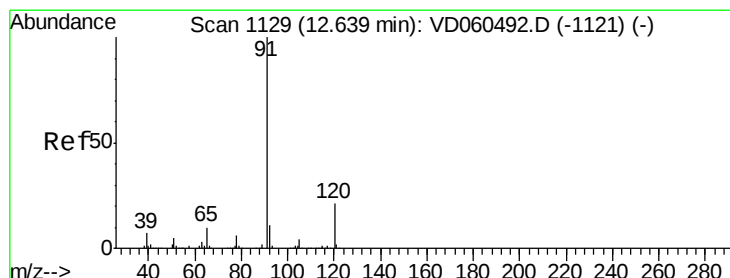
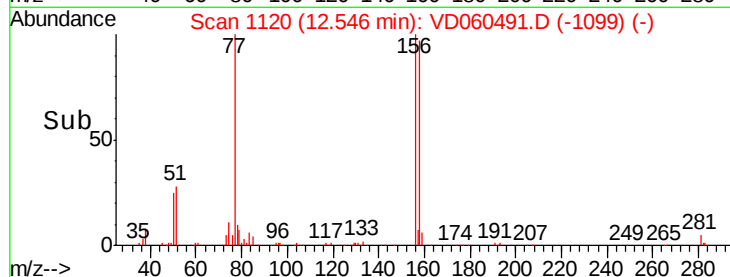
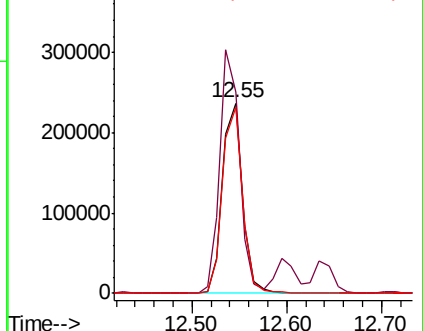
158 97.5 49.4 148.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.729 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VD060491.D

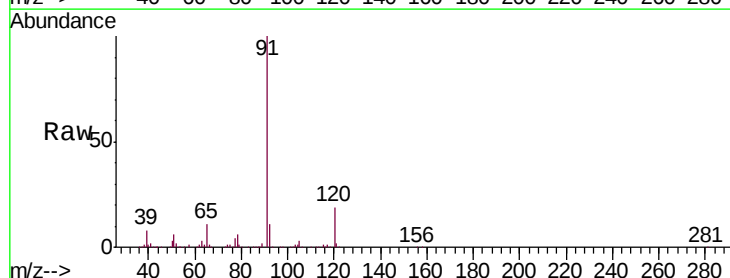
Acq: 5 Dec 2018 14:37

Tgt Ion: 91 Resp: 1706196

Ion Ratio Lower Upper

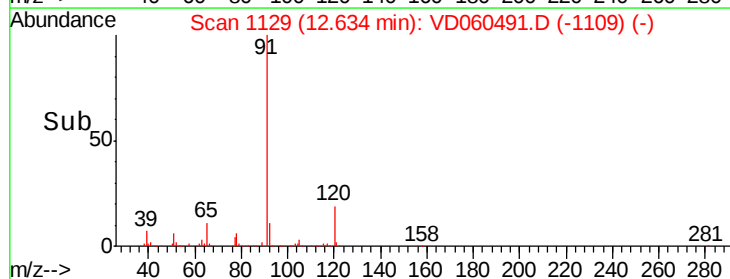
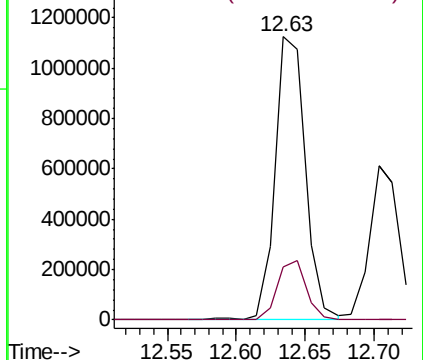
91 100

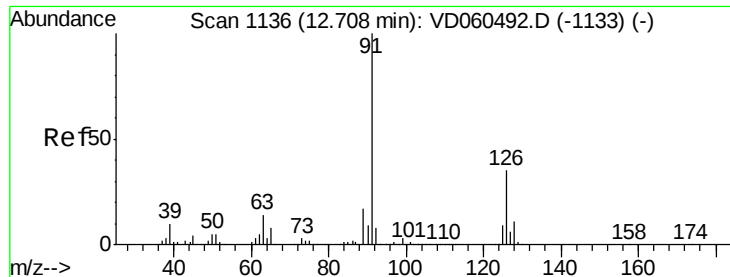
120 18.6 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

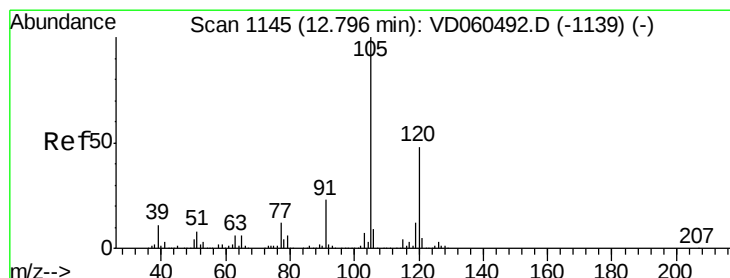
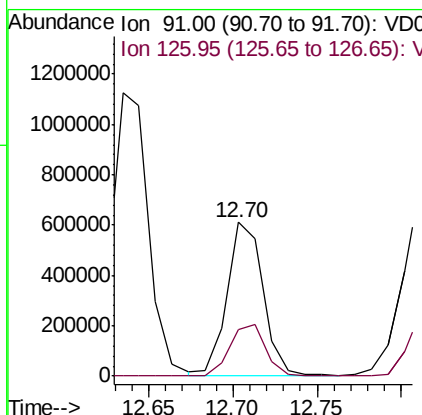
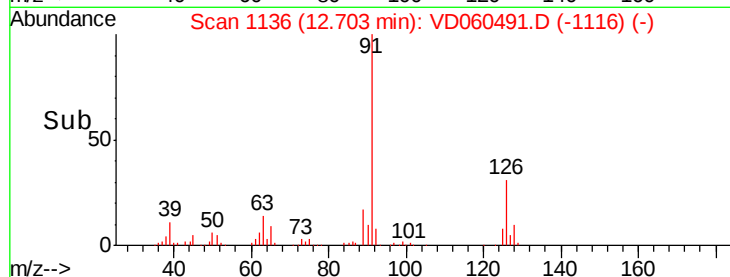
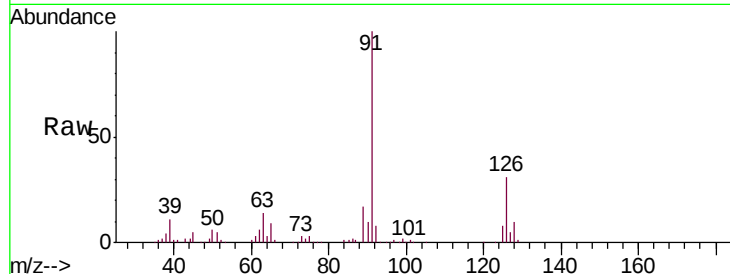




#79
 2-Chlorotoluene
 Concen: 20.062 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

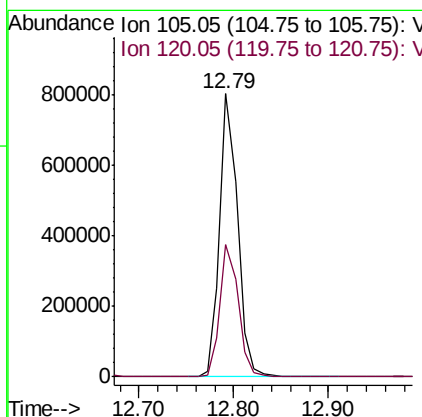
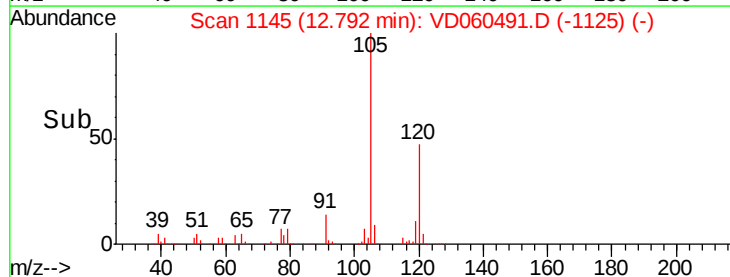
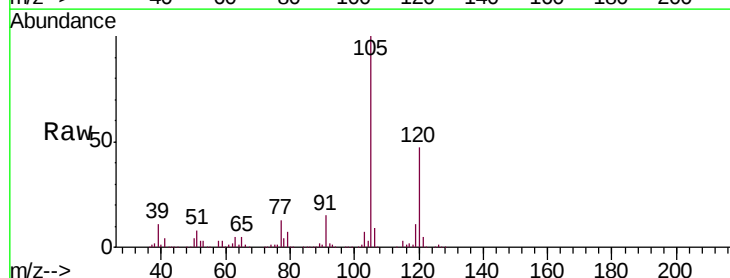
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

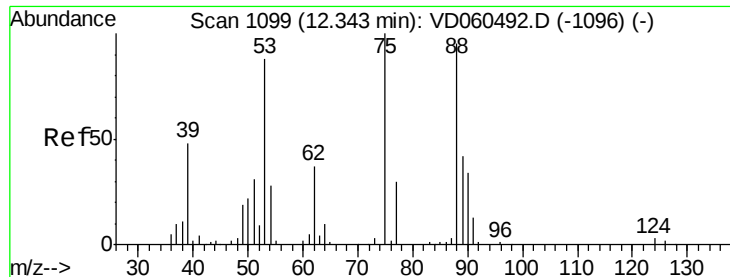
Tgt Ion: 91 Resp: 909008
 Ion Ratio Lower Upper
 91 100
 126 30.7 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 20.577 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Tgt Ion: 105 Resp: 1052636
 Ion Ratio Lower Upper
 105 100
 120 46.7 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.540 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VD060491.D

Acq: 5 Dec 2018 14:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

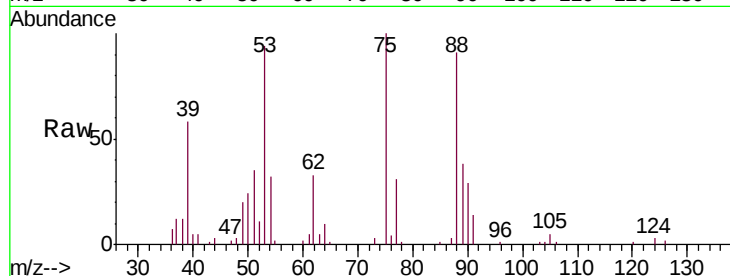
Tgt Ion: 75 Resp: 57119

Ion Ratio Lower Upper

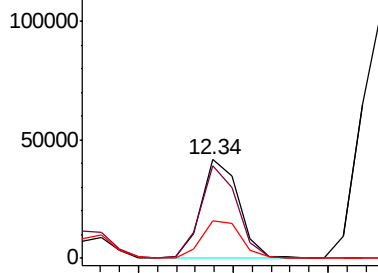
75 100

53 94.3 70.5 105.7

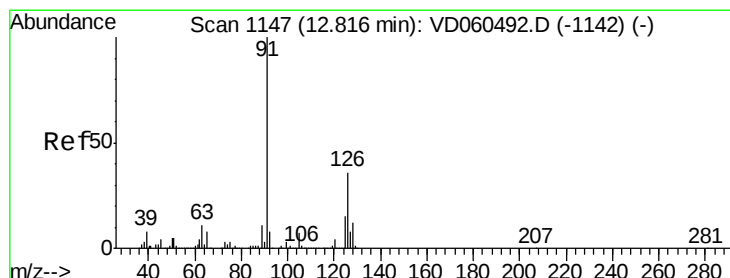
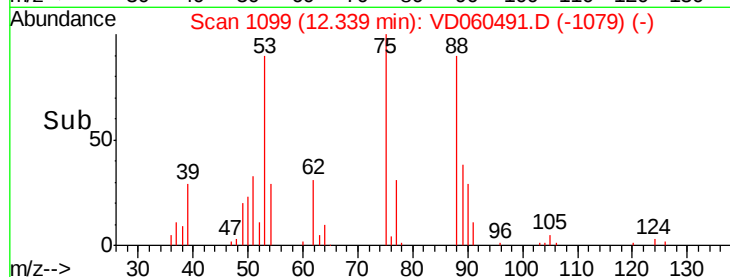
89 37.6 33.6 50.4



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



Time-->



#82

4-Chlorotoluene

Concen: 20.702 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VD060491.D

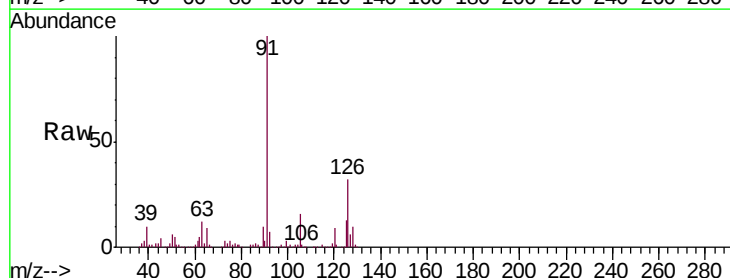
Acq: 5 Dec 2018 14:37

Tgt Ion: 91 Resp: 1049777

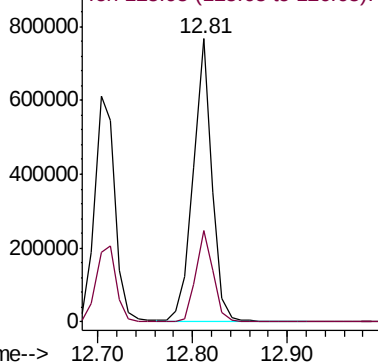
Ion Ratio Lower Upper

91 100

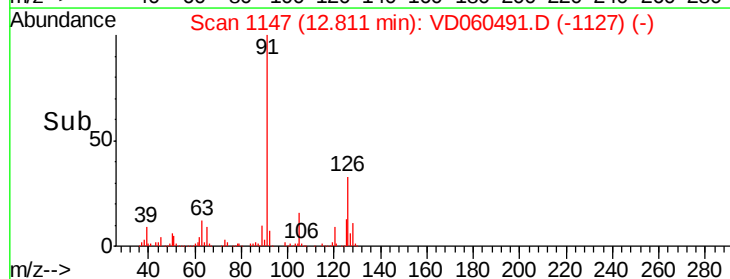
126 32.2 17.8 53.4



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



Time-->

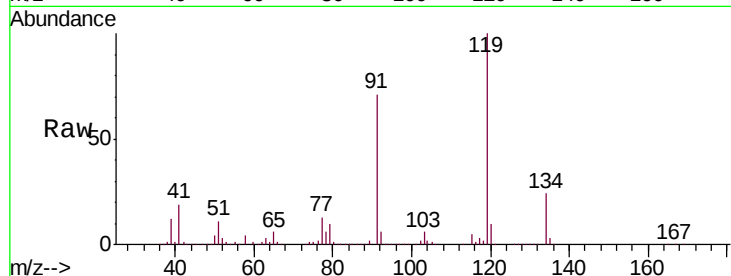




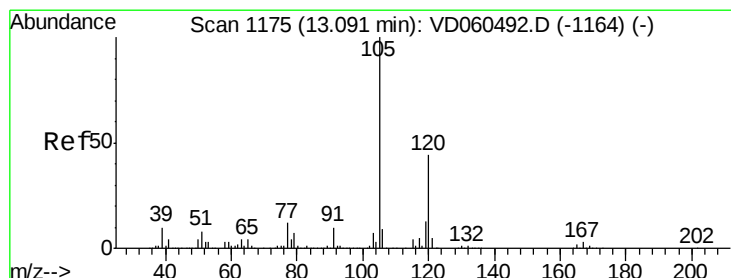
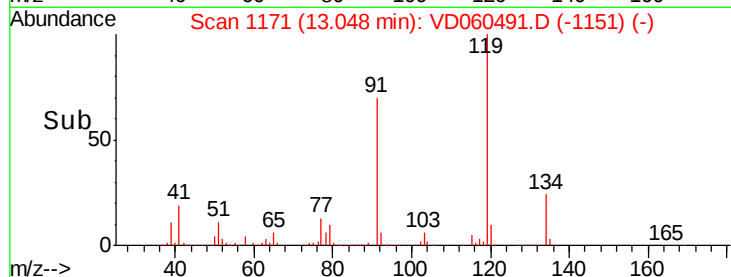
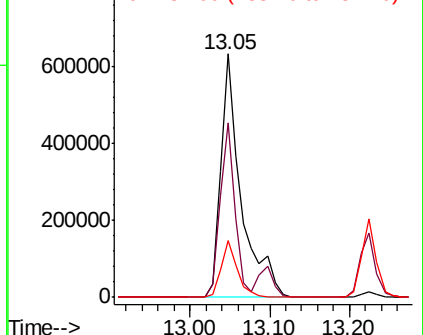
#83
 tert-Butylbenzene
 Concen: 20.025 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 1140459
 Ion Ratio Lower Upper
 119 100
 91 71.5 33.1 99.2
 134 23.6 12.0 36.0

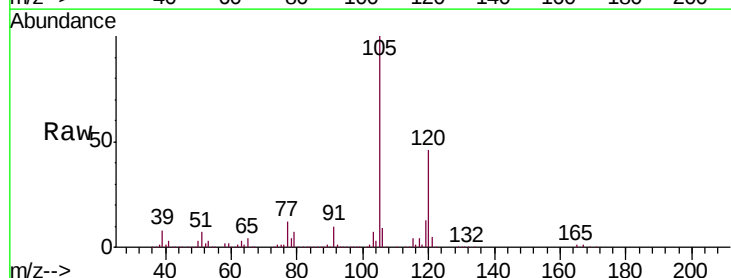


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

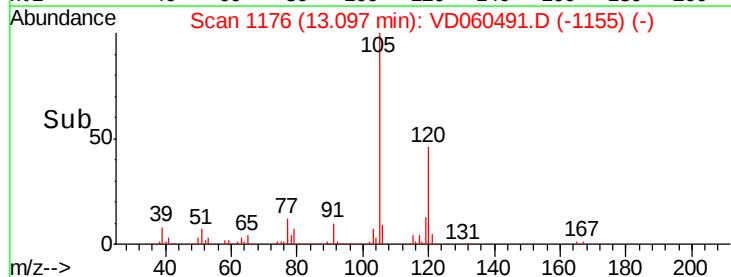
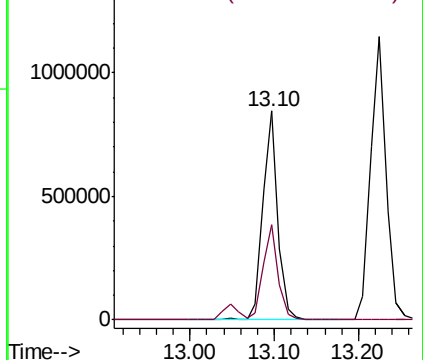


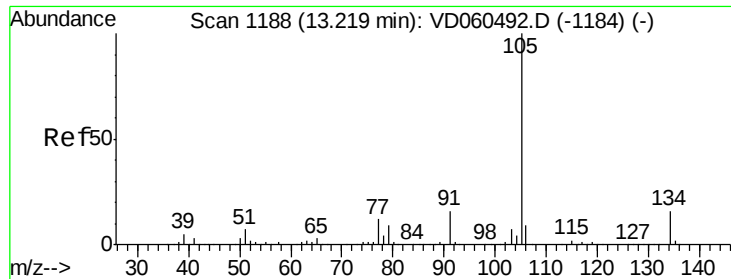
#84
 1,2,4-Trimethylbenzene
 Concen: 20.787 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Tgt Ion:105 Resp: 1065354
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.3 66.8



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

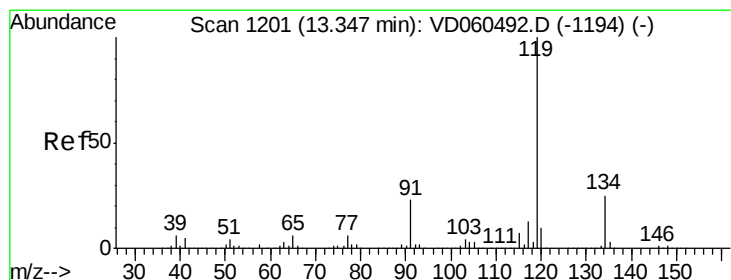
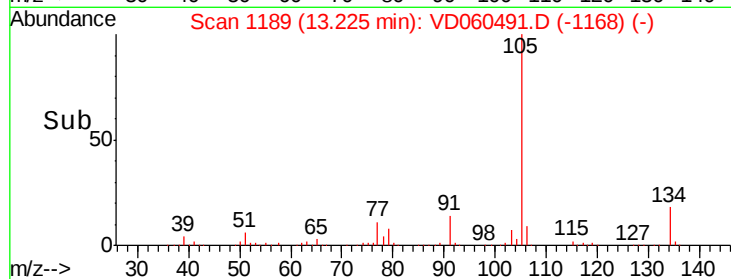
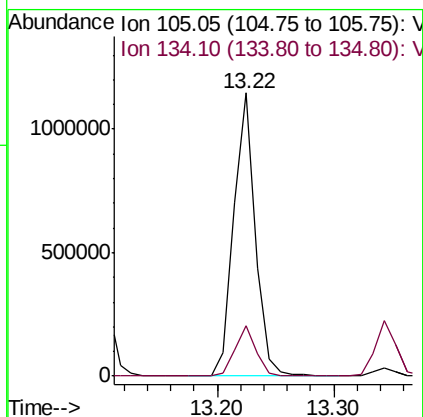
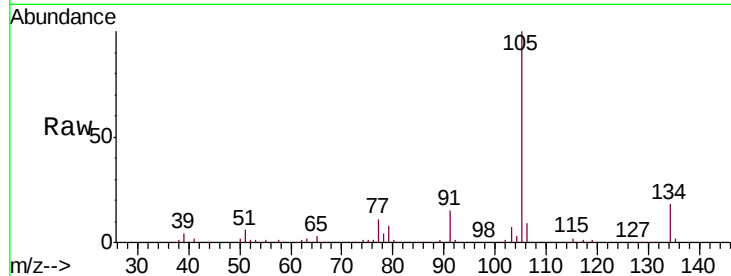




#85
 sec-Butylbenzene
 Concen: 21.129 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

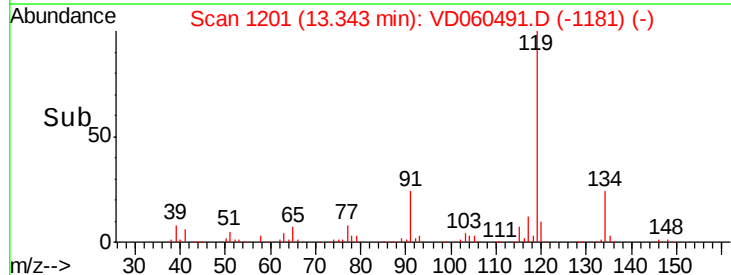
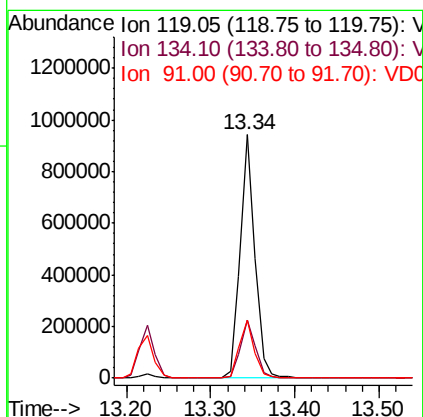
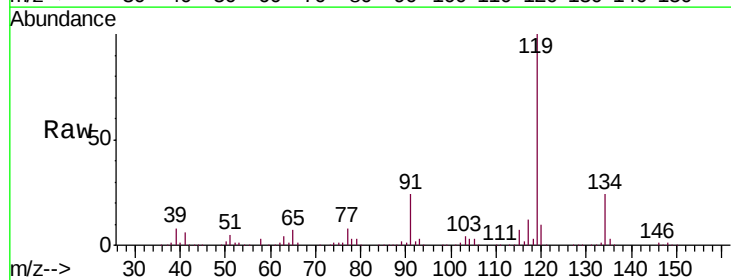
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

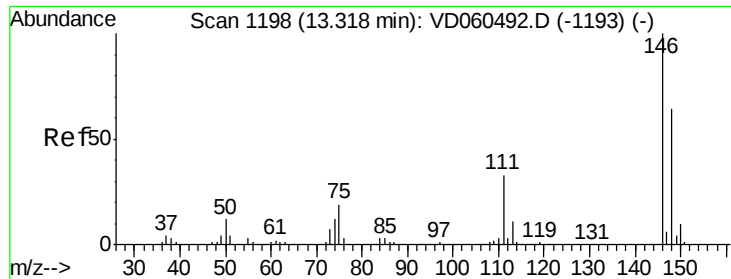
Tgt Ion:105 Resp: 1469246
 Ion Ratio Lower Upper
 105 100
 134 17.9 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 20.401 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Tgt Ion:119 Resp: 1140676
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.5 37.5
 91 24.0 11.5 34.4

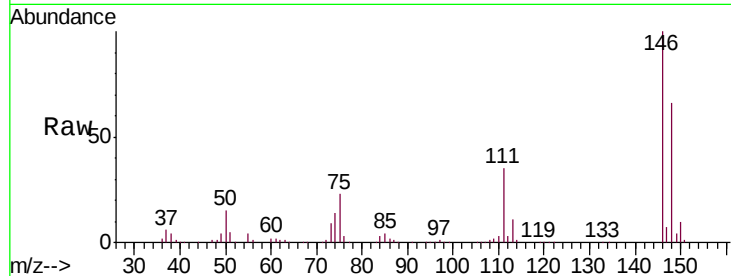




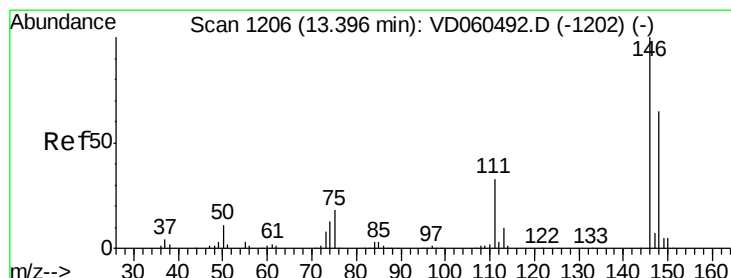
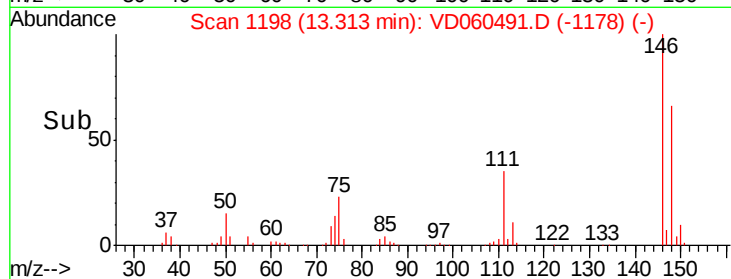
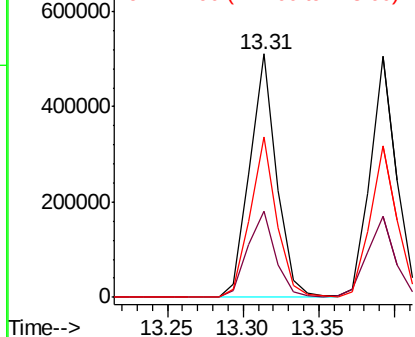
#87
 1,3-Dichlorobenzene
 Concen: 20.326 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:146 Resp: 633982
 Ion Ratio Lower Upper
 146 100
 111 35.4 16.5 49.5
 148 65.7 32.3 96.8

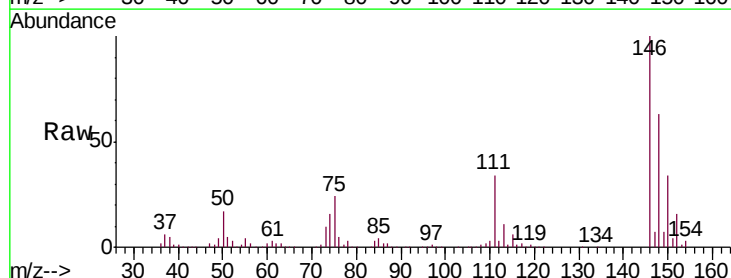


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

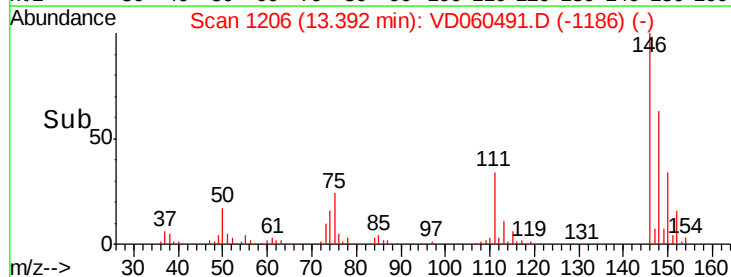
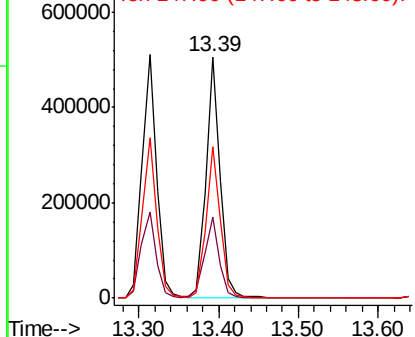


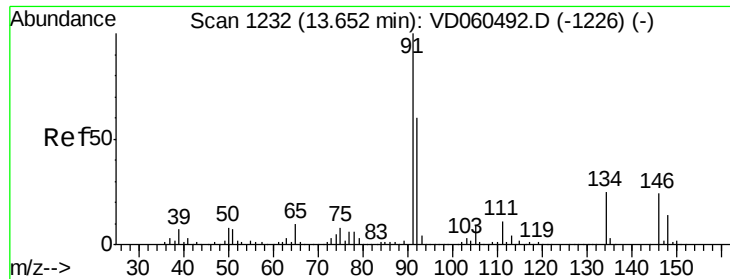
#88
 1,4-Dichlorobenzene
 Concen: 20.471 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Tgt Ion:146 Resp: 622357
 Ion Ratio Lower Upper
 146 100
 111 33.6 16.4 49.1
 148 63.0 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

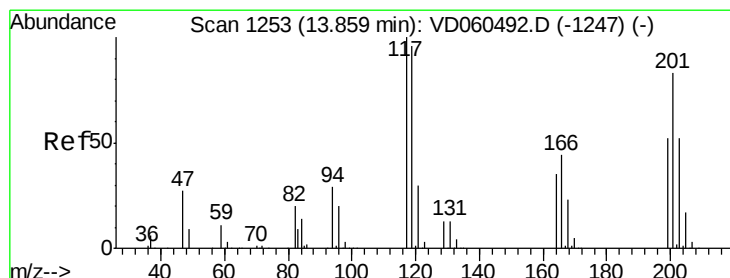
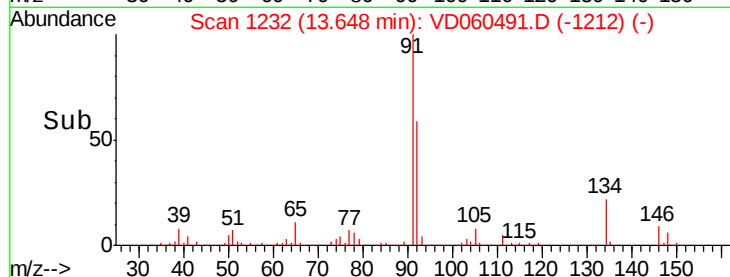
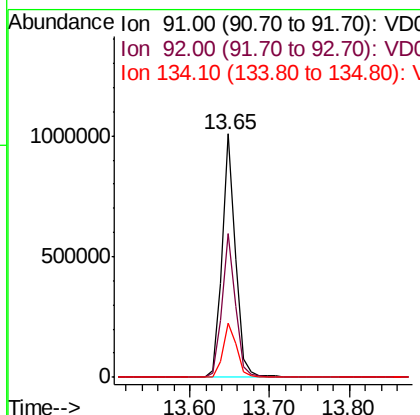
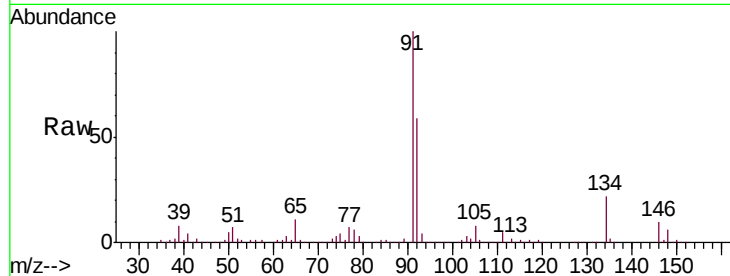




#89
n-Butylbenzene
Concen: 21.111 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

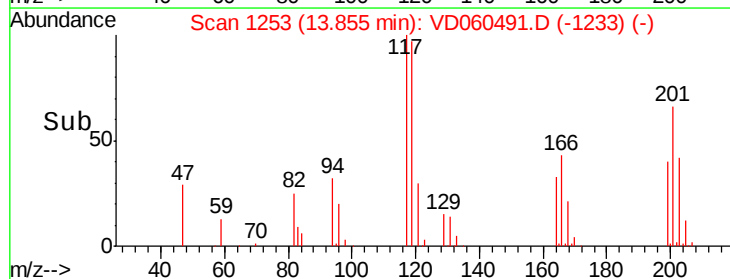
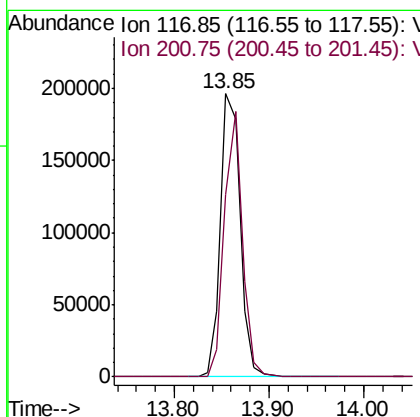
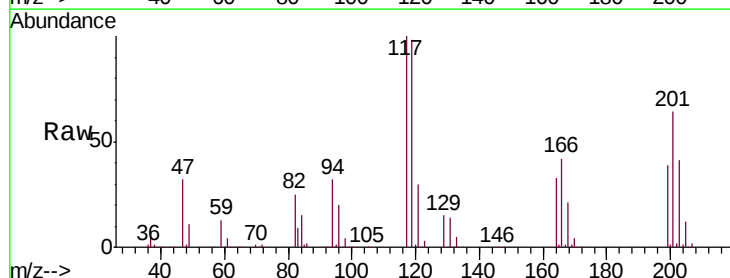
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

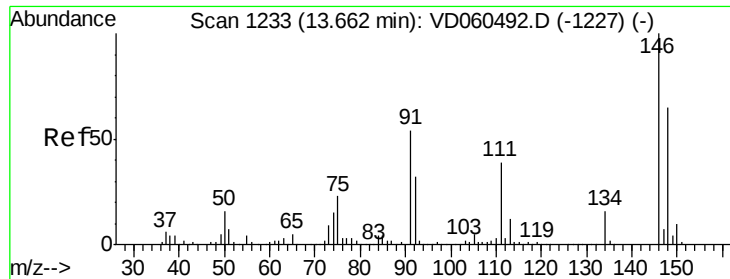
Tgt Ion: 91 Resp: 1208000
Ion Ratio Lower Upper
91 100
92 58.8 30.0 90.1
134 22.2 12.5 37.5



#90
Hexachloroethane
Concen: 21.116 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion: 117 Resp: 284034
Ion Ratio Lower Upper
117 100
201 64.3 41.3 123.9

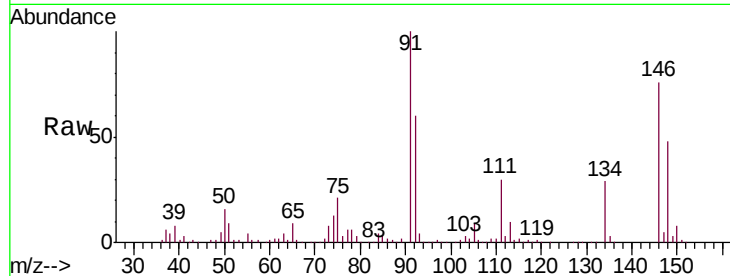




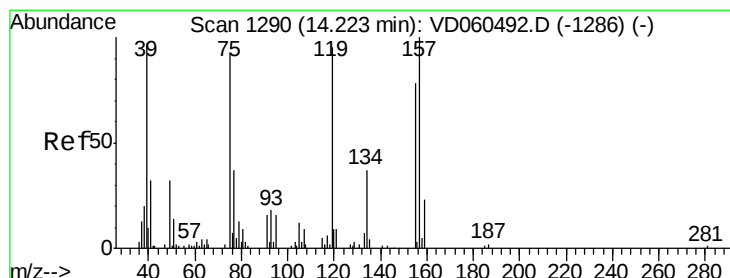
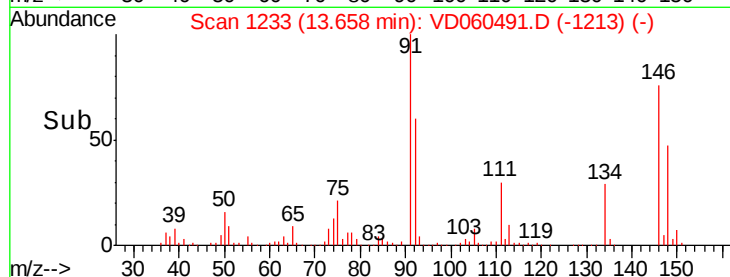
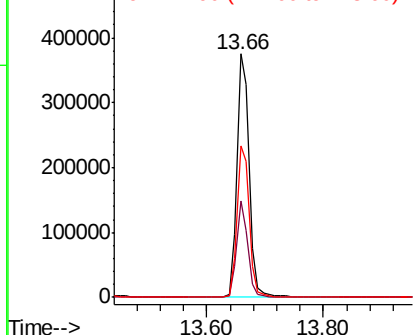
#91
 1,2-Dichlorobenzene
 Concen: 21.308 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:146 Resp: 544759
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.3 57.8
 148 62.4 32.3 96.8

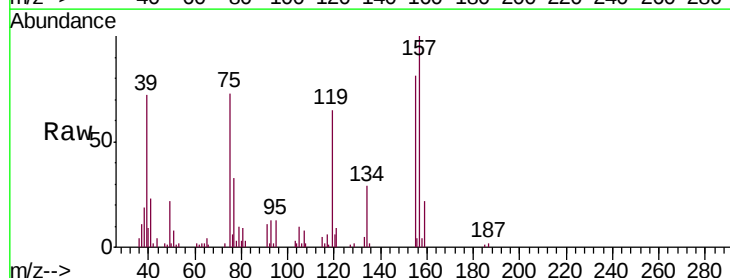


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

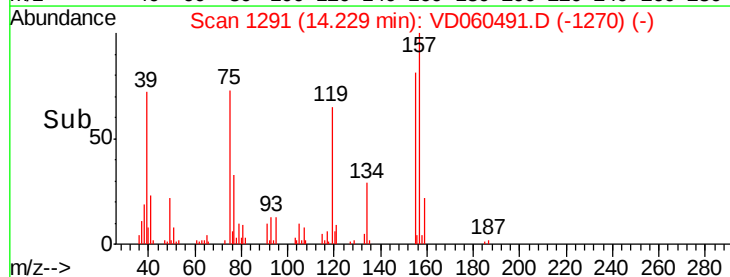
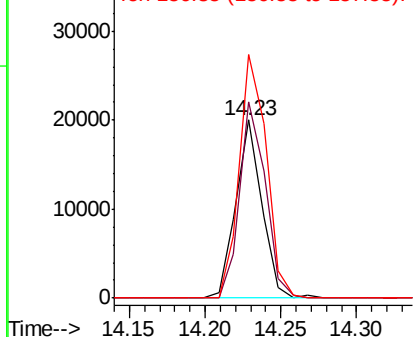


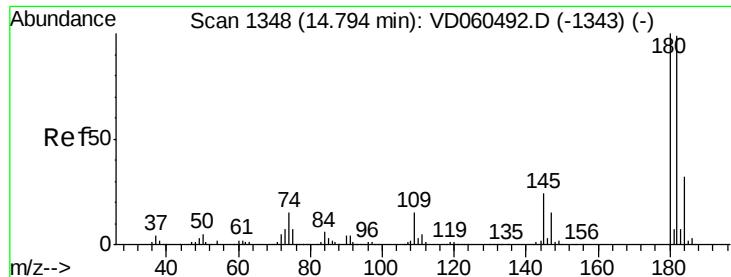
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.314 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Tgt Ion: 75 Resp: 23677
 Ion Ratio Lower Upper
 75 100
 155 110.4 41.6 124.9
 157 137.0 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

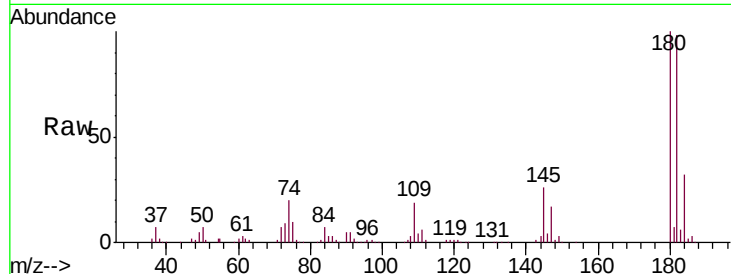




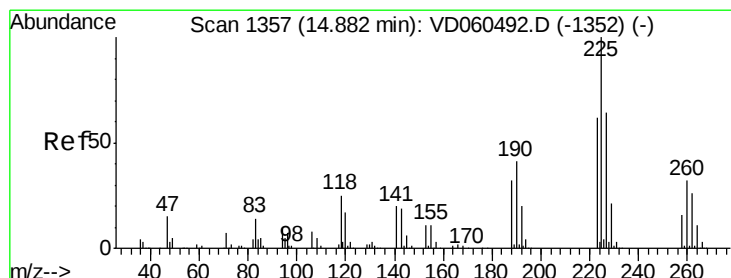
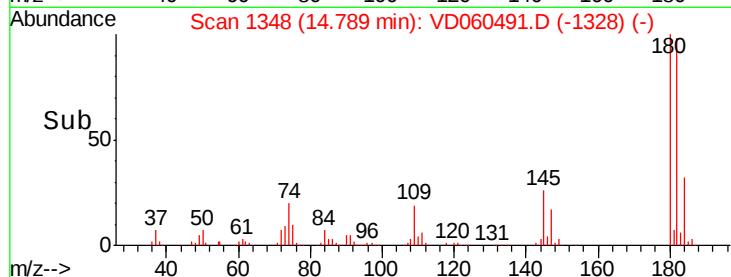
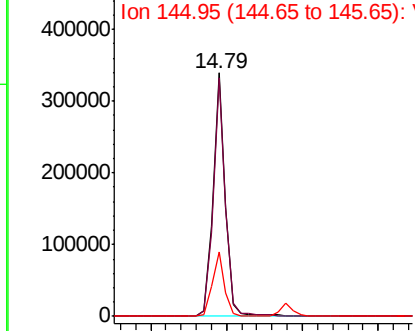
#93
 1,2,4-Trichlorobenzene
 Concen: 19.387 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 392616
 Ion Ratio Lower Upper
 180 100
 182 97.8 49.4 148.0
 145 26.4 11.9 35.9

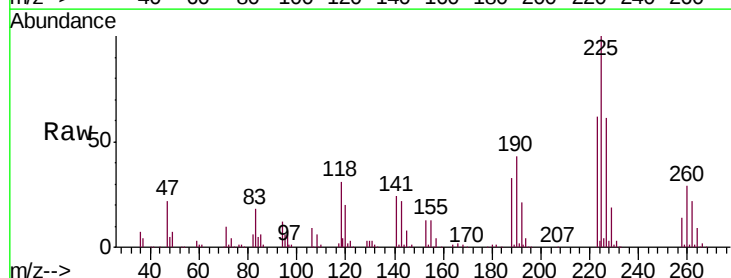


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

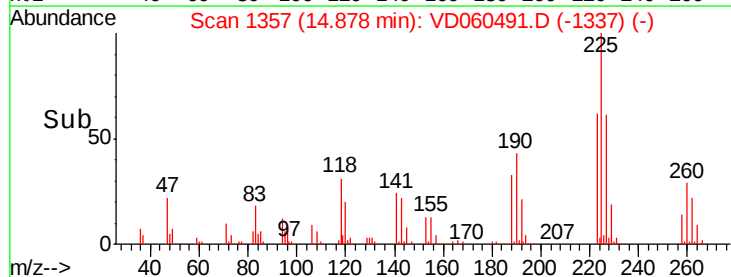
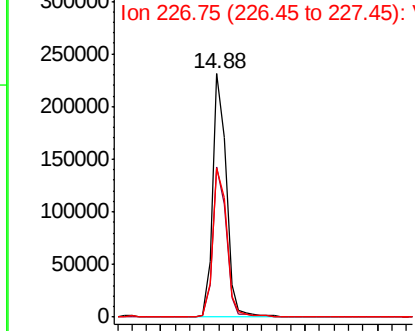


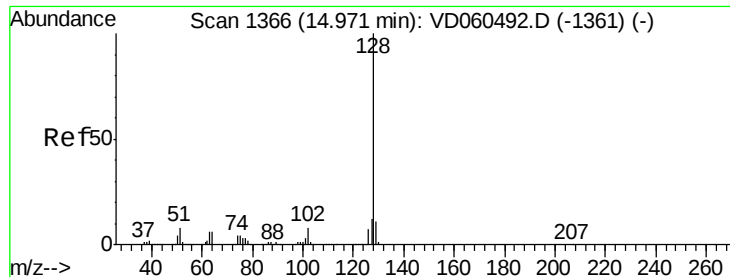
#94
 Hexachlorobutadiene
 Concen: 20.034 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060491.D
 Acq: 5 Dec 2018 14:37

Tgt Ion:225 Resp: 302207
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.2 93.6
 227 61.1 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

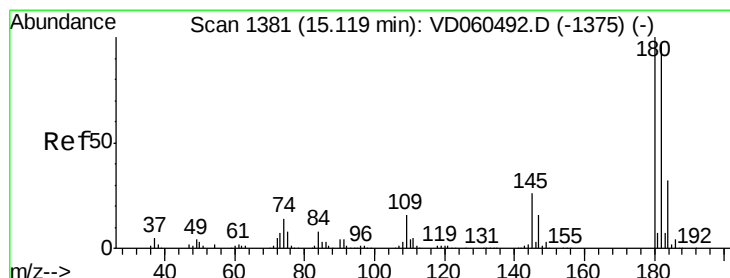
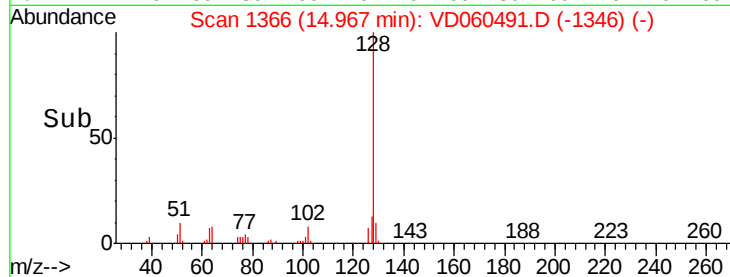
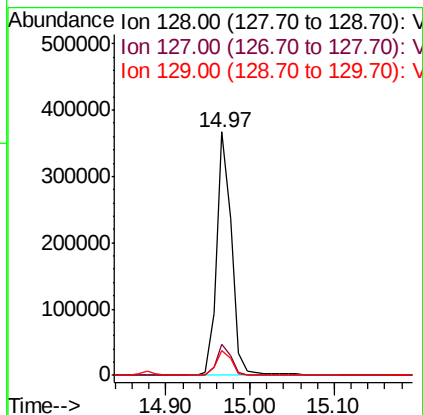
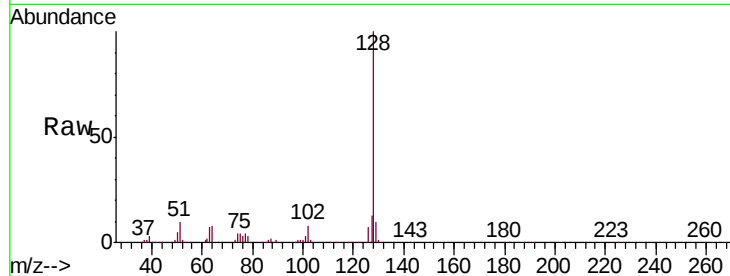




#95
Naphthalene
Concen: 18.126 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 450559
Ion Ratio Lower Upper
128 100
127 12.6 9.8 14.8
129 10.4 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.792 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD060491.D
Acq: 5 Dec 2018 14:37

Tgt Ion:180 Resp: 304130
Ion Ratio Lower Upper
180 100
182 98.3 48.5 145.5
145 28.4 12.9 38.7

