

Data File : VD060493.D
Acq On : 5 Dec 2018 15:33
Operator : VA/AP
Sample : VSTDIC075
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Quant Time: Dec 06 00:44:49 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	1582001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2236849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1753872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	870571	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	790308	69.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.88%	
35) Dibromofluoromethane	6.33	113	1180025	71.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.82%	
50) Toluene-d8	9.46	98	3470253	71.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.04%	
62) 4-Bromofluorobenzene	12.43	95	1188827	67.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	1069948	73.291	ug/l	99
3) Chloromethane	1.77	50	1048015	69.136	ug/l	95
4) Vinyl Chloride	1.87	62	822633	66.601	ug/l	100
5) Bromomethane	2.16	94	219409	73.787	ug/l	90
6) Chloroethane	2.27	64	285612	70.357	ug/l	99
7) Trichlorofluoromethane	2.52	101	1037229	71.101	ug/l	100
8) Diethyl Ether	2.84	74	180557	68.877	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.11	101	663547	70.086	ug/l	98
10) Methyl Iodide	3.25	142	845631	69.211	ug/l	99
11) Tert butyl alcohol	3.98	59	157806	340.943	ug/l	96
12) 1,1-Dichloroethene	3.09	96	535510	69.479	ug/l	94
13) Acrolein	3.00	56	156205	288.906	ug/l	91
14) Allyl chloride	3.55	41	1045076	70.596	ug/l	99
15) Acrylonitrile	4.10	53	902764	334.242	ug/l	96
16) Acetone	3.17	43	618881	316.368	ug/l	99
17) Carbon Disulfide	3.32	76	1812551	72.418	ug/l	98
18) Methyl Acetate	3.57	43	272721	64.362	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	1561201	67.882	ug/l	97
20) Methylene Chloride	3.74	84	1167186	66.411	ug/l	97
21) trans-1,2-Dichloroethene	4.11	96	1231047	71.574	ug/l	98
22) Diisopropyl ether	4.87	45	3780032	68.683	ug/l	96
23) Vinyl Acetate	4.82	43	9377025	341.160	ug/l	100
24) 1,1-Dichloroethane	4.77	63	1970155	69.565	ug/l	100
25) 2-Butanone	5.63	43	1301741	323.717	ug/l	100
26) 2,2-Dichloropropane	5.60	77	1533459	69.986	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	1262443	70.767	ug/l	97
28) Bromochloromethane	5.93	49	855532	68.469	ug/l	96
29) Tetrahydrofuran	5.96	42	686936	320.463	ug/l	100
30) Chloroform	6.11	83	1986781	70.163	ug/l	100
31) Cyclohexane	6.37	56	1749247	64.876	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	1632530	68.647	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1465469	66.274	ug/l	98
37) Ethyl Acetate	5.71	43	639535	63.150	ug/l	98
38) Carbon Tetrachloride	6.50	117	1374482	67.381	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1716937	67.701	ug/l	98
40) Benzene	6.80	78	3895315	69.228	ug/l	99
41) Methacrylonitrile	5.95	41	739419	70.633	ug/l #	73
42) 1,2-Dichloroethane	6.91	62	1002991	68.506	ug/l	99
43) Isopropyl Acetate	8.35	43	866628	68.706	ug/l #	99
44) Trichloroethene	7.74	130	1194882	69.999	ug/l	100
45) 1,2-Dichloropropane	8.11	63	992854	70.133	ug/l	100
46) Dibromomethane	8.22	93	559769	67.384	ug/l	96
47) Bromodichloromethane	8.49	83	1359416	69.734	ug/l	100
48) Methyl methacrylate	8.25	41	509801	66.265	ug/l	98
49) 1,4-Dioxane	8.23	88	90746	1350.327	ug/l	92
51) 4-Methyl-2-Pentanone	9.35	43	2619154	318.621	ug/l	99
52) Toluene	9.55	92	2476803	68.986	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	1137303	69.361	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1474482	69.535	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	667898	64.243	ug/l	97
56) Ethyl methacrylate	10.04	69	669678	70.541	ug/l	99
57) 1,3-Dichloropropane	10.39	76	1063250	67.374	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	1754008	307.065	ug/l	96
59) 2-Hexanone	10.49	43	1847101	317.038	ug/l	99
60) Dibromochloromethane	10.65	129	896045	71.021	ug/l	99
61) 1,2-Dibromoethane	10.76	107	715739	68.816	ug/l	99
64) Tetrachloroethene	10.25	164	1102577	70.223	ug/l	97
65) Chlorobenzene	11.31	112	2658568	70.166	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	819949	66.174	ug/l	98
67) Ethyl Benzene	11.43	91	4173265	64.152	ug/l	100
68) m/p-Xylenes	11.57	106	3175411	132.659	ug/l	96
69) o-Xylene	11.93	106	1568222	67.882	ug/l	97
70) Styrene	11.95	104	2527148	67.340	ug/l	96
71) Bromoform	12.12	173	595356	71.269	ug/l	99
73) Isopropylbenzene	12.28	105	4126956	64.843	ug/l	98
74) N-amyl acetate	12.13	43	1102283	67.948	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	691085	67.088	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	684915	66.046	ug/l	100
77) Bromobenzene	12.54	156	1124989	66.855	ug/l	94
78) n-propylbenzene	12.64	91	5129150	64.985	ug/l	97
79) 2-Chlorotoluene	12.71	91	2801138	64.471	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	3077460	62.736	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.35	75	201252	68.123	ug/l	96
82) 4-Chlorotoluene	12.81	91	3110910	63.976	ug/l	93
83) tert-Butylbenzene	13.05	119	3603941	65.991	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	3274379	66.627	ug/l	99
85) sec-Butylbenzene	13.22	105	4471295	67.056	ug/l	97
86) p-Isopropyltoluene	13.34	119	3559764	66.394	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	1996863	66.765	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1954071	67.029	ug/l	96
89) n-Butylbenzene	13.65	91	3409045	62.131	ug/l	97
90) Hexachloroethane	13.86	117	936019	72.568	ug/l	88
91) 1,2-Dichlorobenzene	13.67	146	1536757	62.685	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	88099	71.066	ug/l	87

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

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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)
93) 1,2,4-Trichlorobenzene	14.79	180	1308544	67.384	ug/l	96
94) Hexachlorobutadiene	14.89	225	947740	65.522	ug/l	99
95) Naphthalene	14.97	128	1638645	68.747	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	1044114	67.282	ug/l	97

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

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Misc : 5.00g/5ml/MSVOA_D/SOIL

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ALS Vial      : 7      Sample Multiplier: 1
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Instrument :
MSVOA_D
ClientSampleId :
VSTDICC075

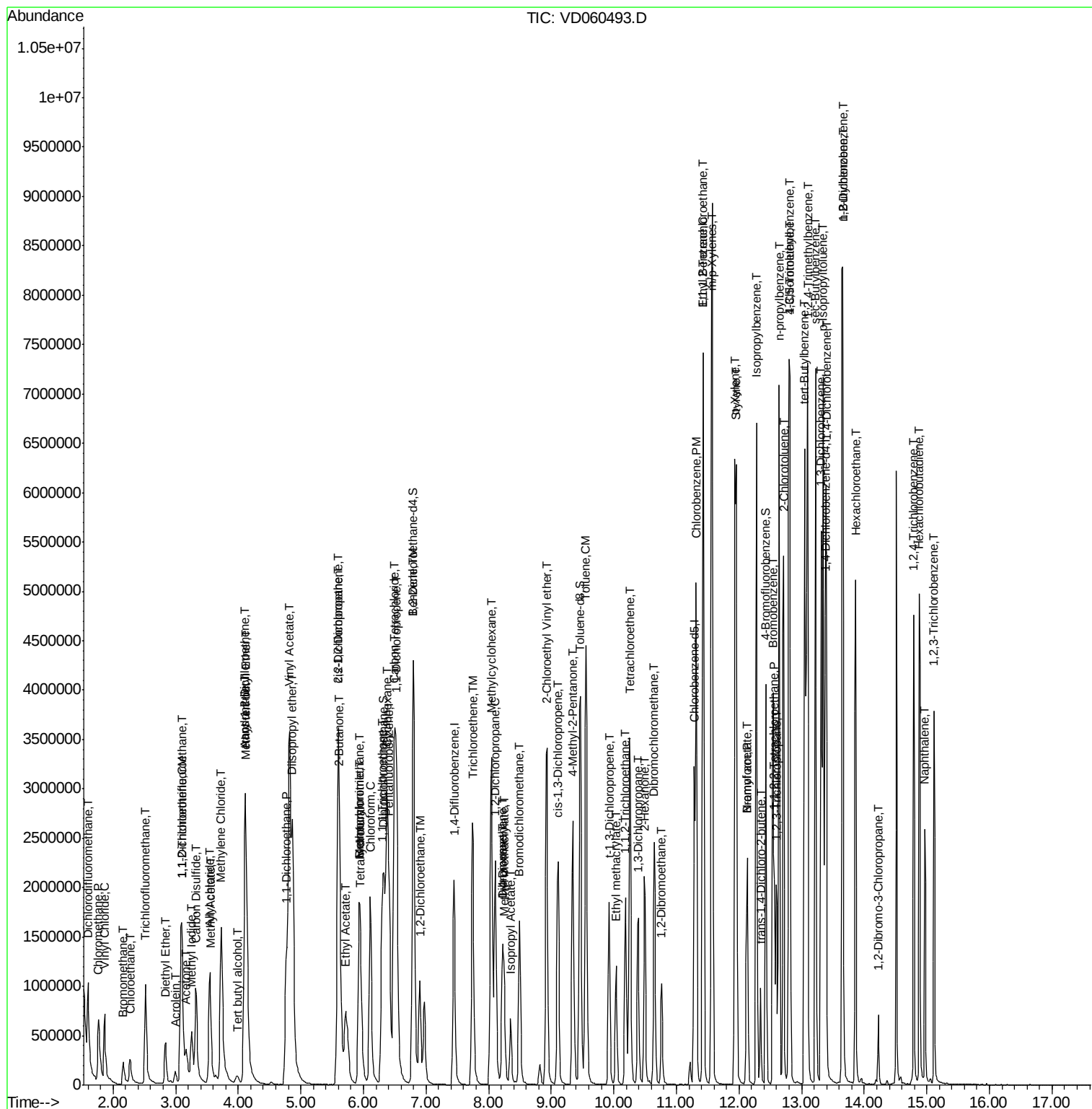
Quant Time: Dec 06 00:44:49 2018

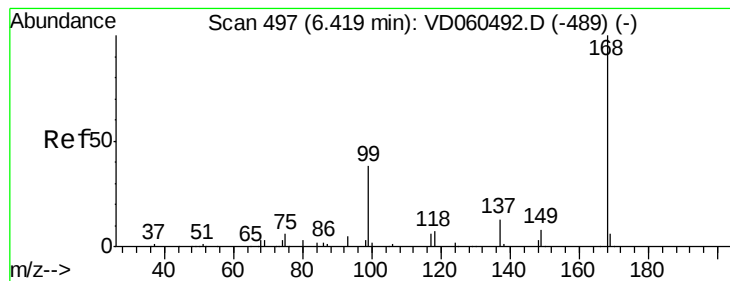
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Quant Title : SW846 8260

QLast Update : Thu Dec 06 00:38:17 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

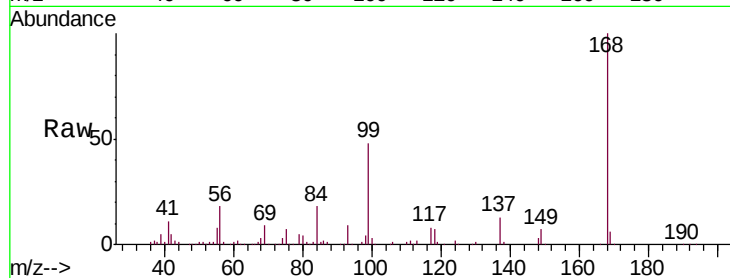
VSTDIC075

Tgt Ion:168 Resp: 1582001

Ion Ratio Lower Upper

168 100

99 48.4 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

600000

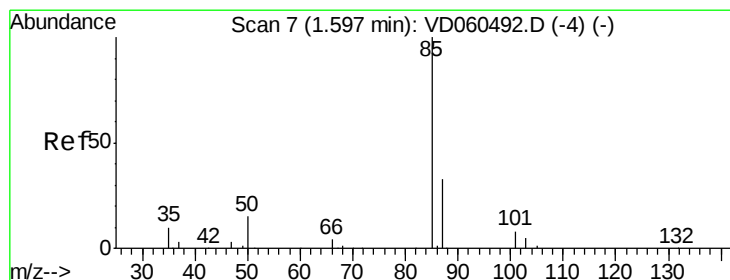
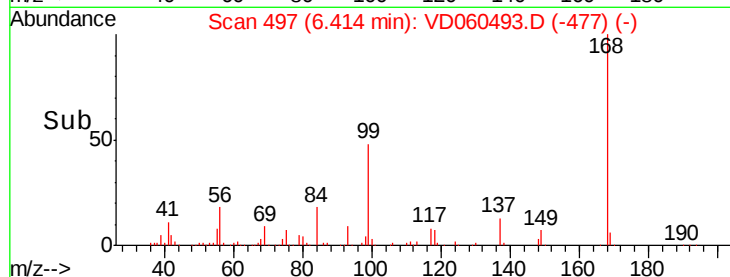
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 73.291 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060493.D

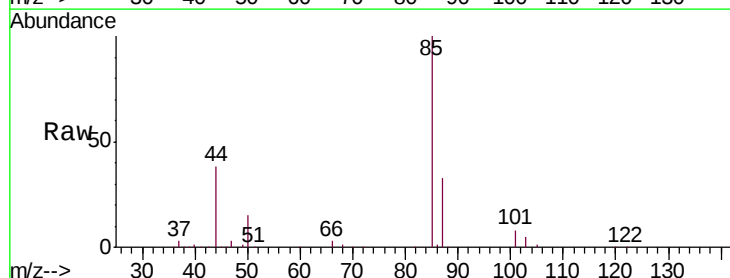
Acq: 5 Dec 2018 15:33

Tgt Ion: 85 Resp: 1069948

Ion Ratio Lower Upper

85 100

87 32.7 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

500000

400000

300000

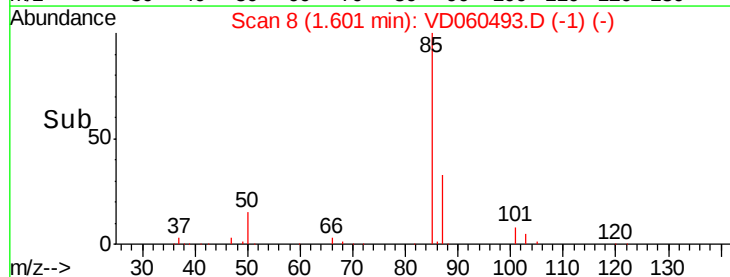
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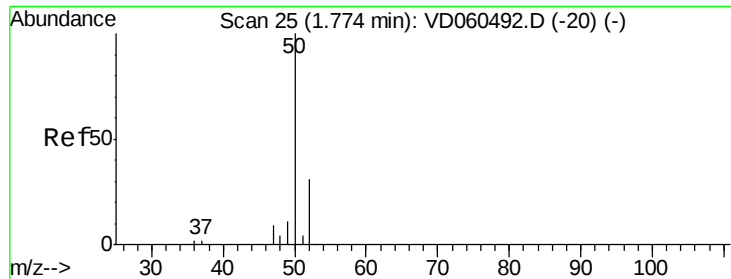
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 69.136 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

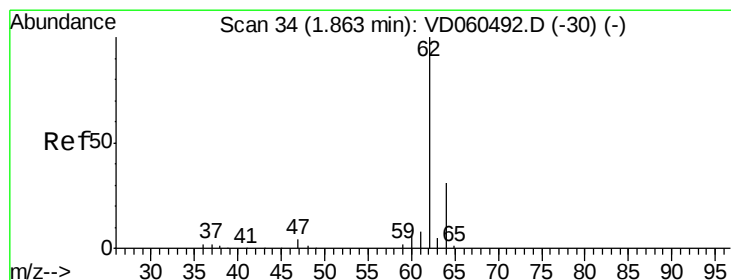
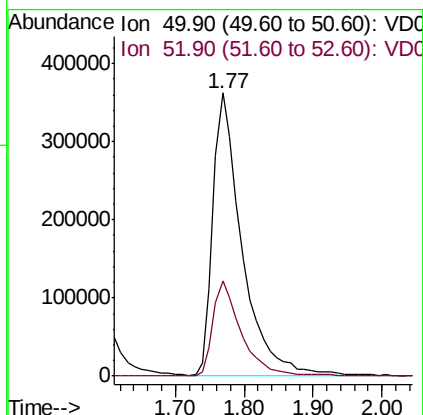
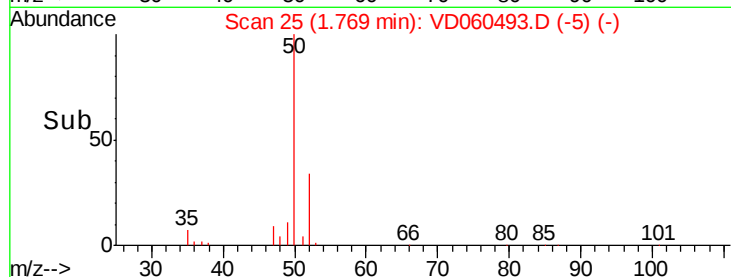
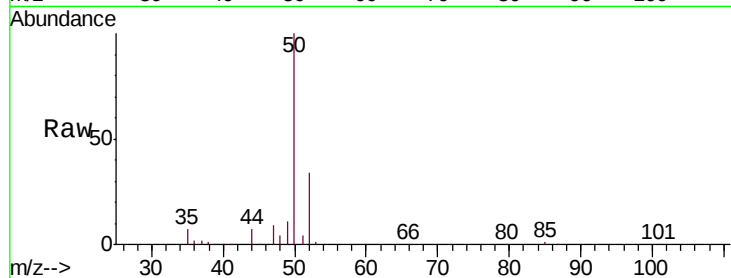
VSTDIC075

Tgt Ion: 50 Resp: 1048015

Ion Ratio Lower Upper

50 100

52 33.7 25.0 37.4



#4

Vinyl Chloride

Concen: 66.601 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060493.D

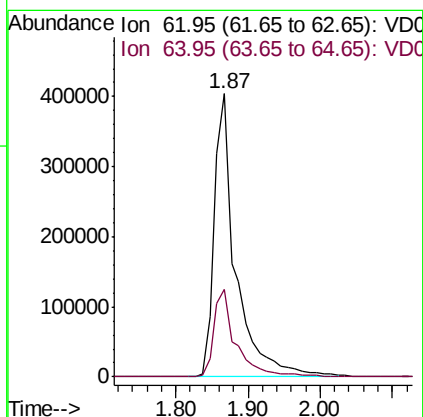
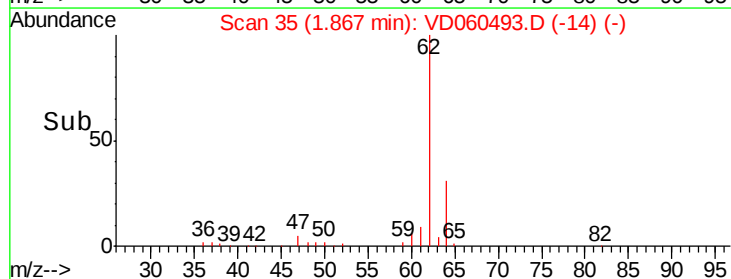
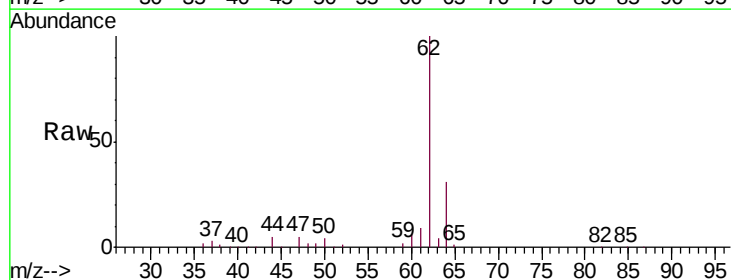
Acq: 5 Dec 2018 15:33

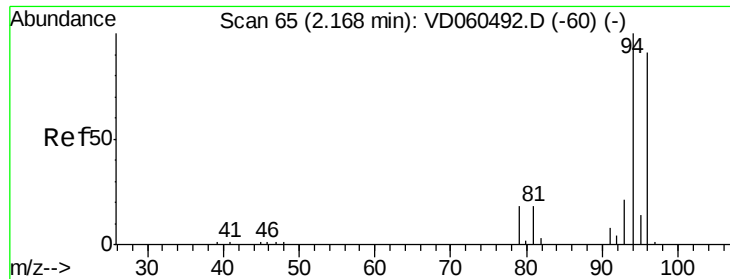
Tgt Ion: 62 Resp: 822633

Ion Ratio Lower Upper

62 100

64 30.9 24.6 37.0

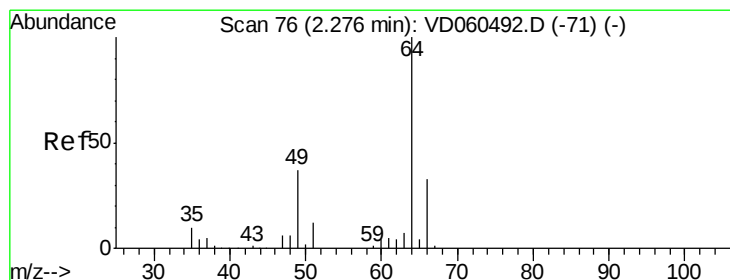
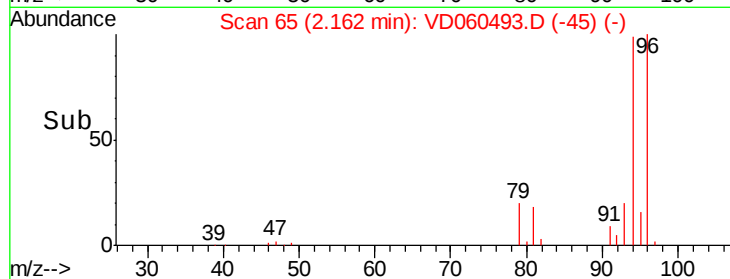
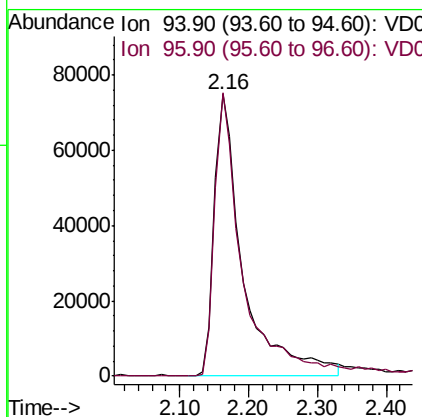
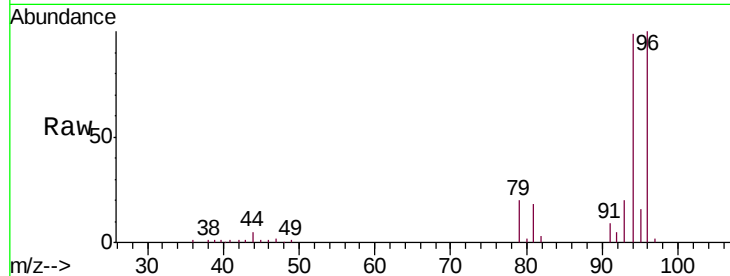




#5
Bromomethane
Concen: 73.787 ug/l
RT: 2.16 min Scan# 65
Delta R.T. -0.01 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

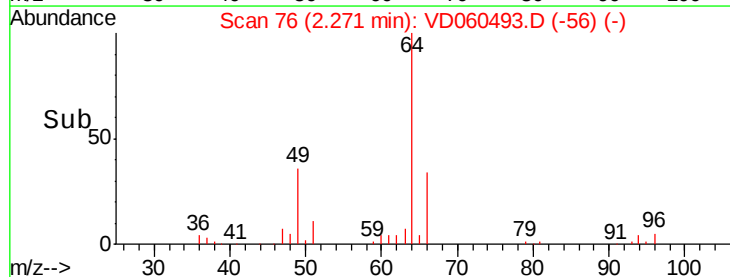
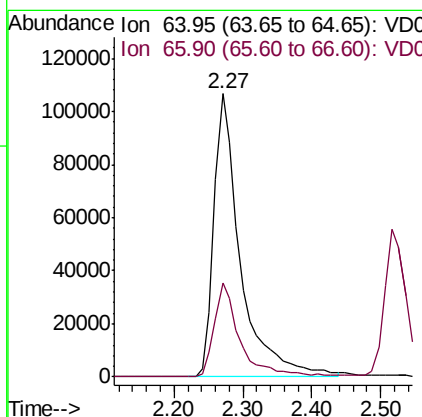
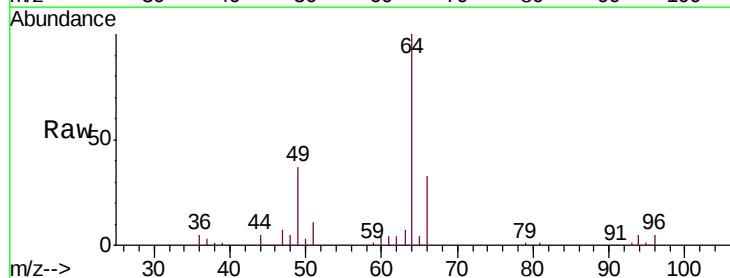
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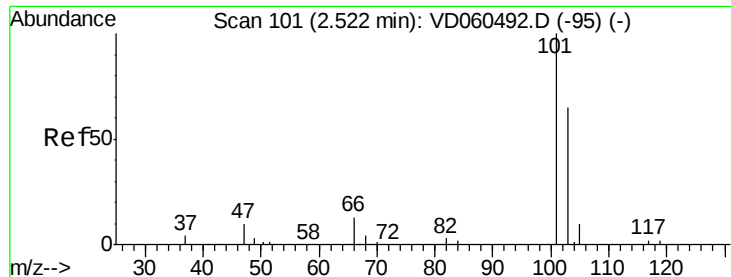
Tgt Ion: 94 Resp: 219409
Ion Ratio Lower Upper
94 100
96 100.5 72.6 108.8



#6
Chloroethane
Concen: 70.357 ug/l
RT: 2.27 min Scan# 76
Delta R.T. -0.01 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Tgt Ion: 64 Resp: 285612
Ion Ratio Lower Upper
64 100
66 33.4 26.4 39.6



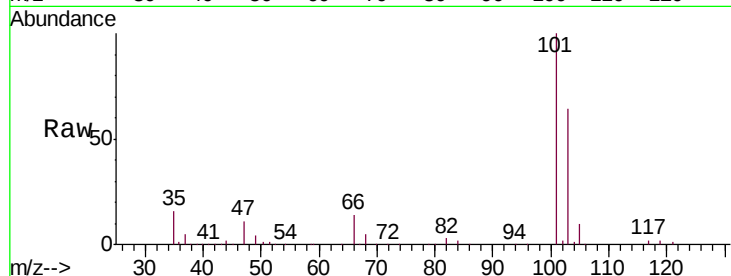


#7

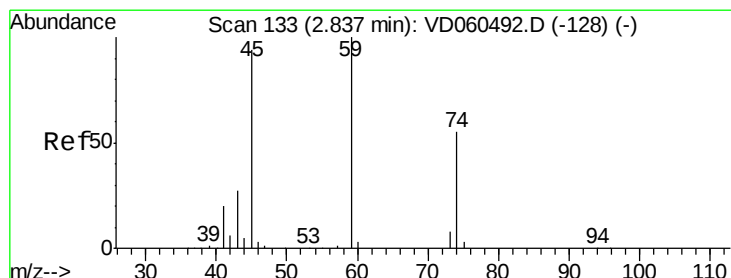
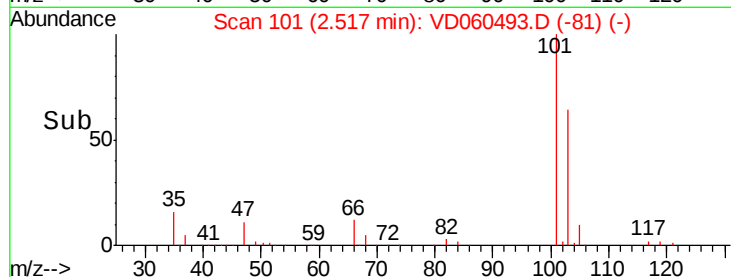
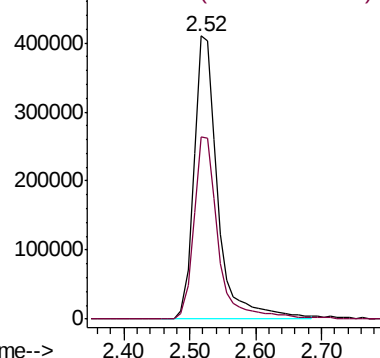
Trichlorofluoromethane
 Concen: 71.101 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:101 Resp: 1037229
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.8



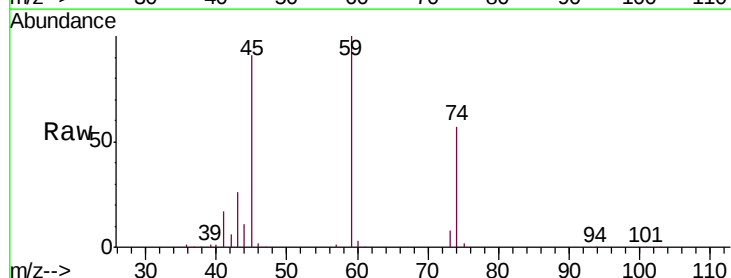
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



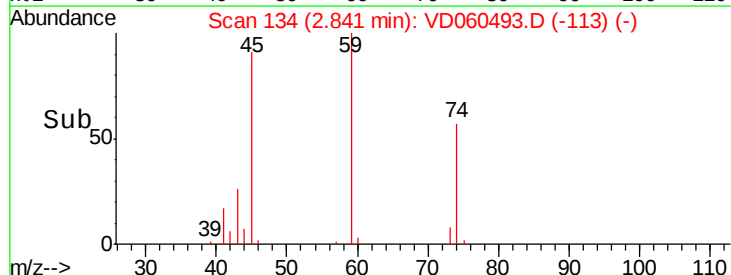
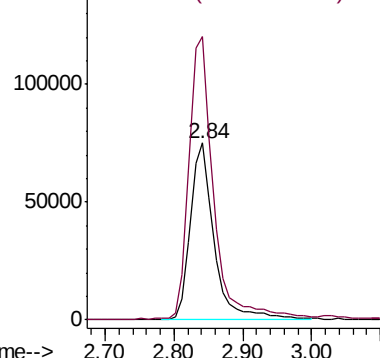
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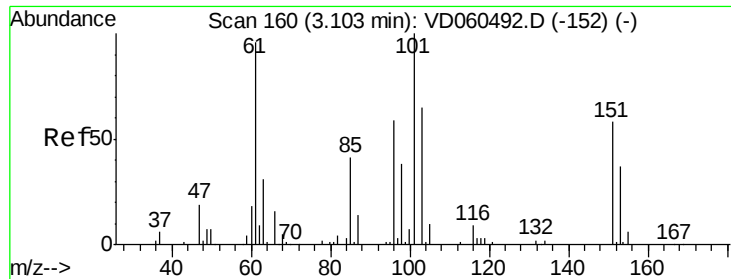
Diethyl Ether
 Concen: 68.877 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VD060493.D
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Tgt Ion: 74 Resp: 180557
 Ion Ratio Lower Upper
 74 100
 45 160.2 86.0 258.0



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: 70.086 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060493.D

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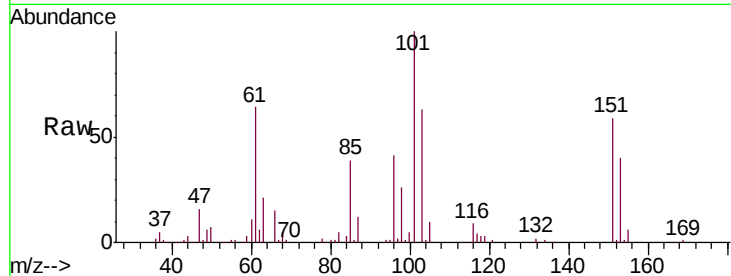
Tgt Ion:101 Resp: 663547

Ion Ratio Lower Upper

101 100

85 39.3 32.7 49.1

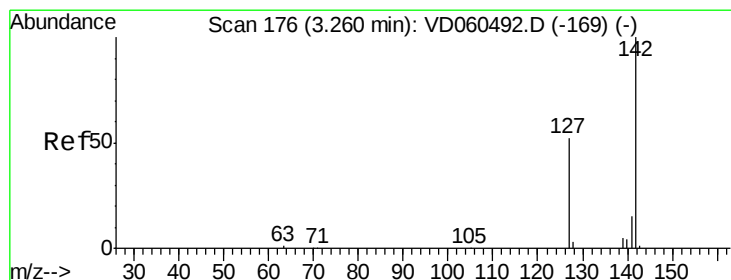
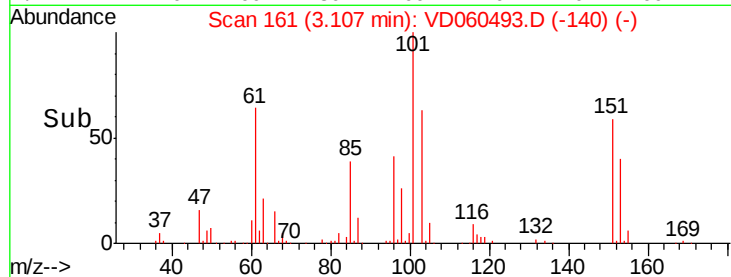
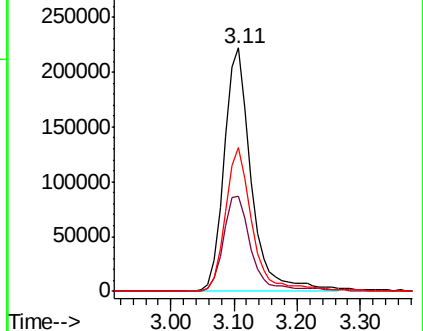
151 59.2 46.6 69.8



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: 69.211 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

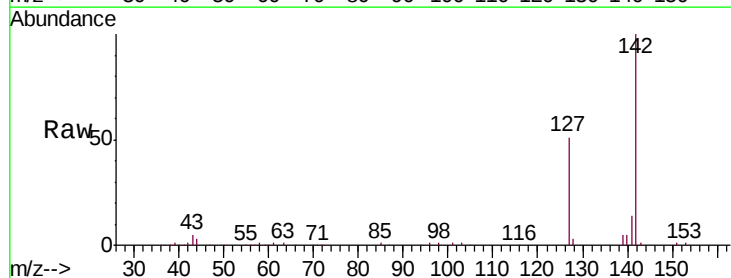
Tgt Ion:142 Resp: 845631

Ion Ratio Lower Upper

142 100

127 50.7 41.2 61.8

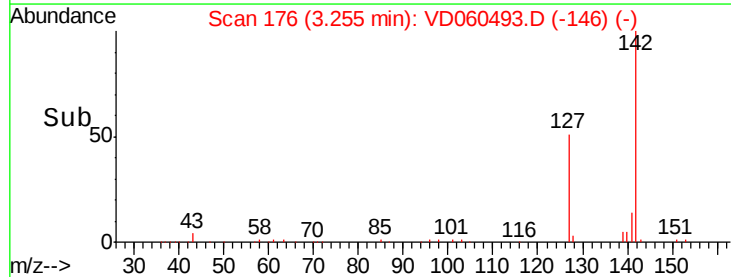
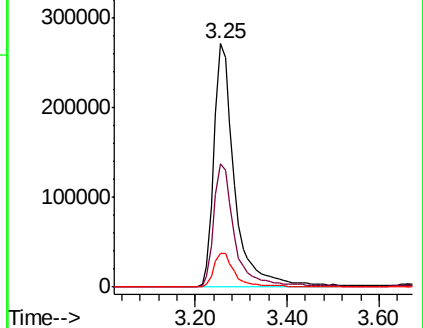
141 13.8 11.9 17.9

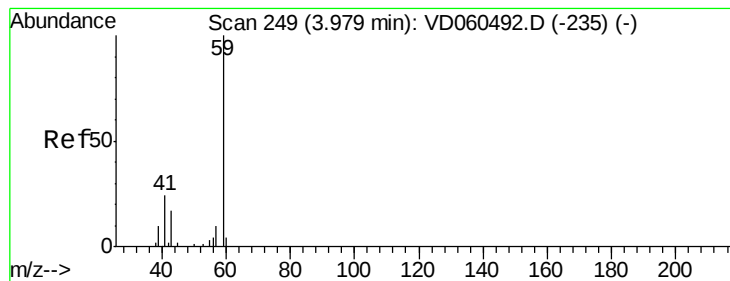


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



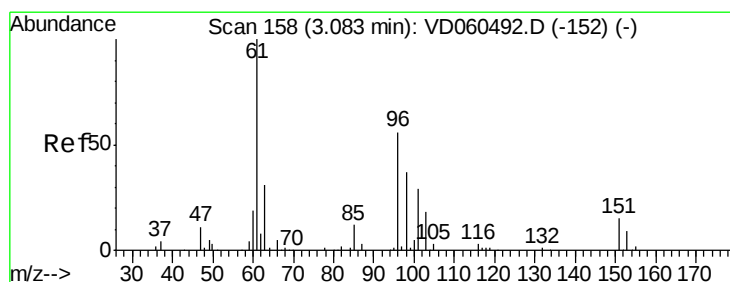
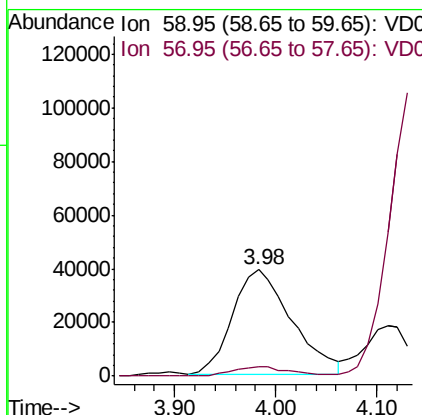
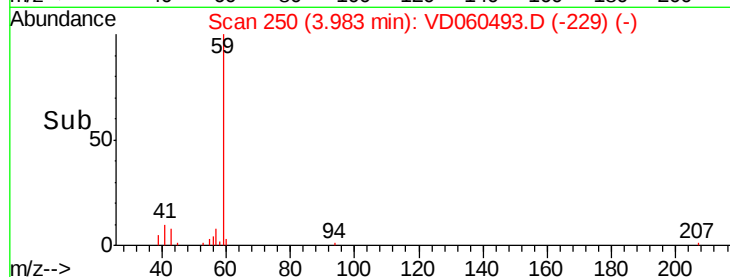
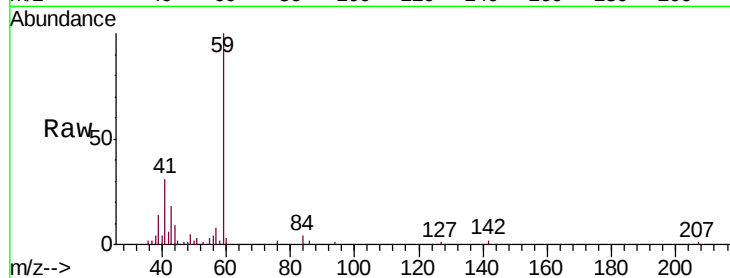


#11

Tert butyl alcohol
Concen: 340.943 ug/l
RT: 3.98 min Scan# 250
Delta R.T. 0.00 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

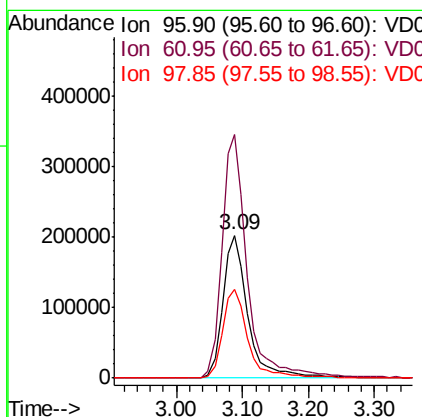
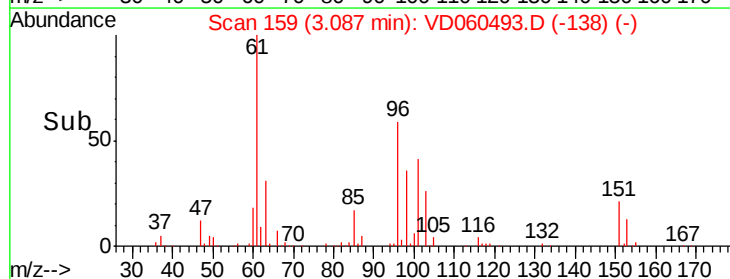
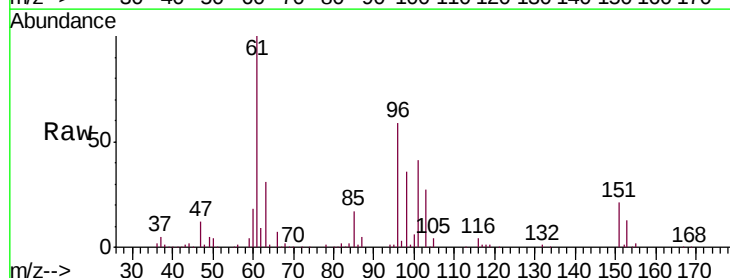
Tgt Ion: 59 Resp: 157806
Ion Ratio Lower Upper
59 100
57 8.5 8.1 12.1

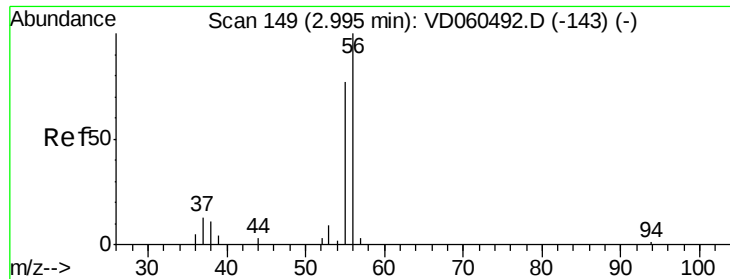


#12

1,1-Dichloroethene
Concen: 69.479 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Tgt Ion: 96 Resp: 535510
Ion Ratio Lower Upper
96 100
61 170.4 143.0 214.4
98 61.9 53.4 80.0

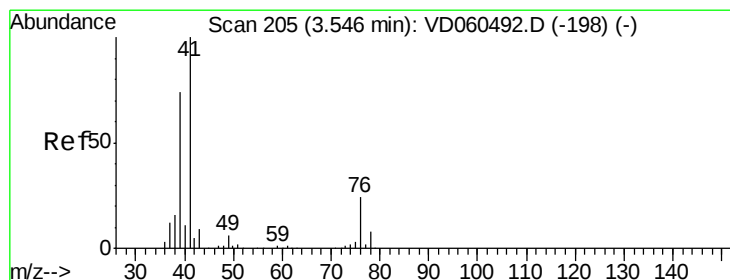
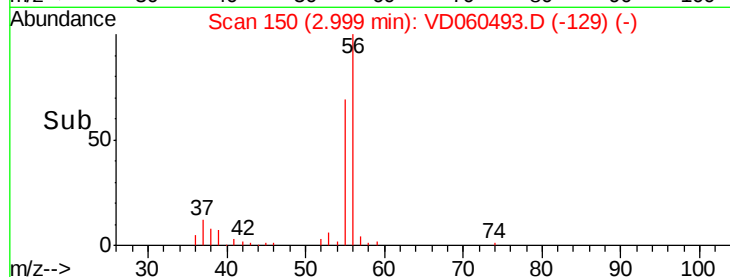
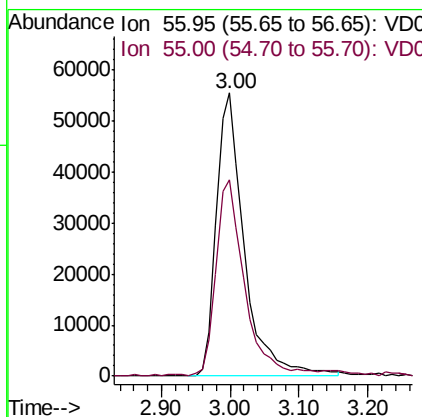
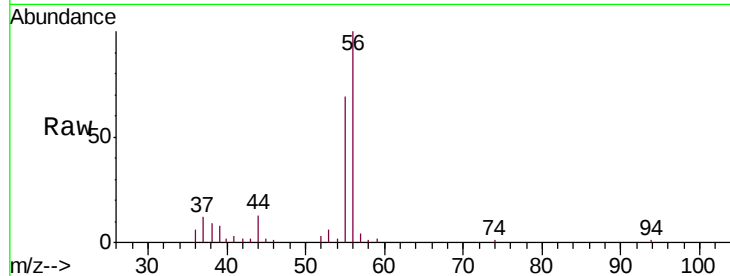




#13
 Acrolein
 Concen: 288.906 ug/l
 RT: 3.00 min Scan# 150
 Delta R.T. 0.00 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

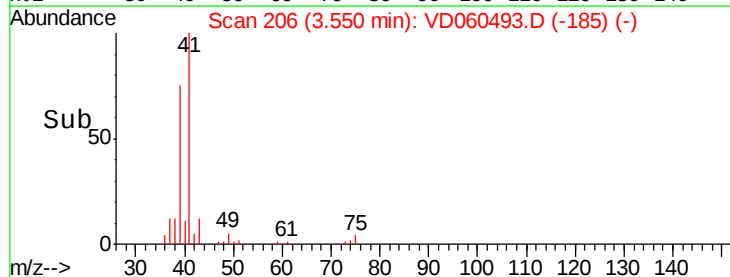
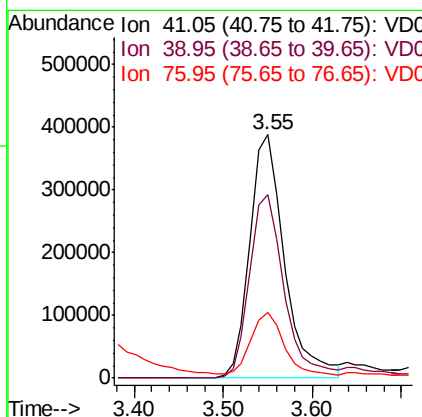
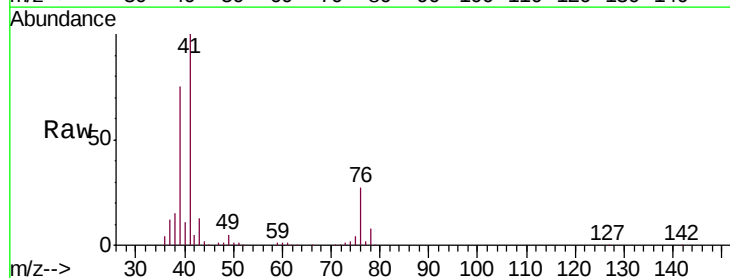
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

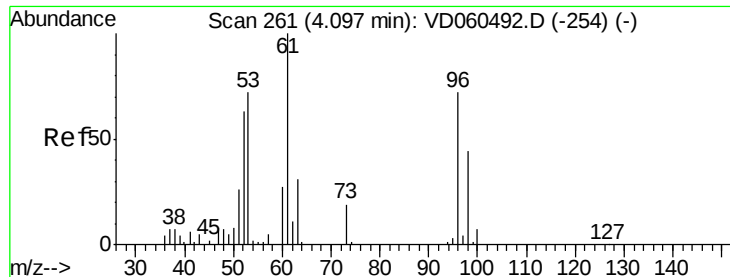
Tgt Ion: 56 Resp: 156205
 Ion Ratio Lower Upper
 56 100
 55 69.5 62.0 93.0



#14
 Allyl chloride
 Concen: 70.596 ug/l
 RT: 3.55 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Tgt Ion: 41 Resp: 1045076
 Ion Ratio Lower Upper
 41 100
 39 75.1 59.3 88.9
 76 26.7 21.0 31.6





#15

Acrylonitrile

Concen: 334.242 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

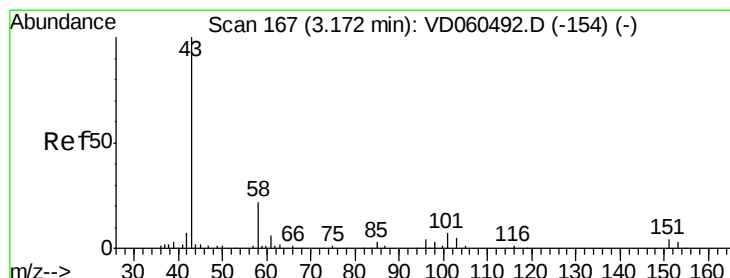
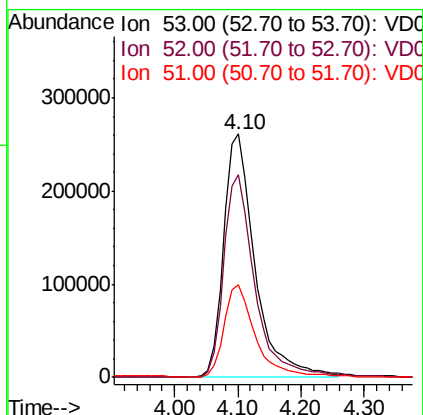
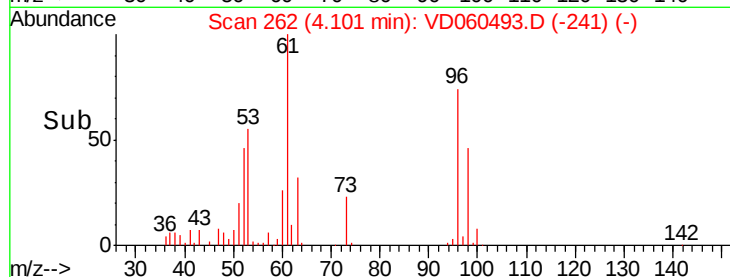
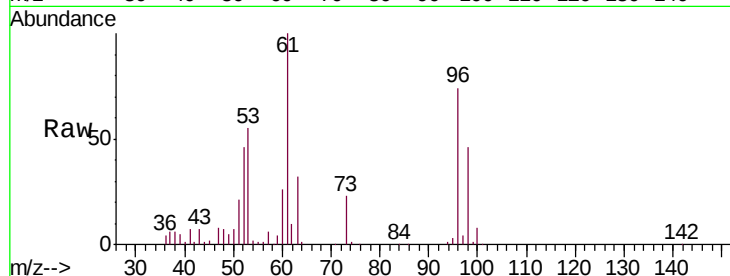
Tgt Ion: 53 Resp: 902764

Ion Ratio Lower Upper

53 100

52 83.4 70.0 105.0

51 38.2 28.8 43.2



#16

Acetone

Concen: 316.368 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD060493.D

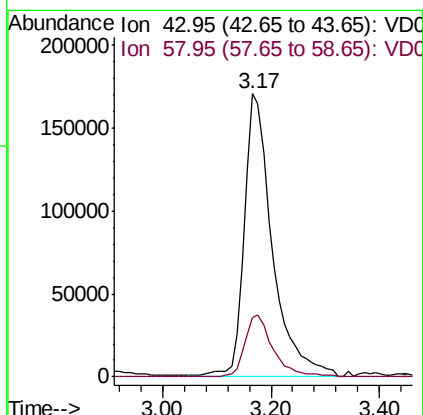
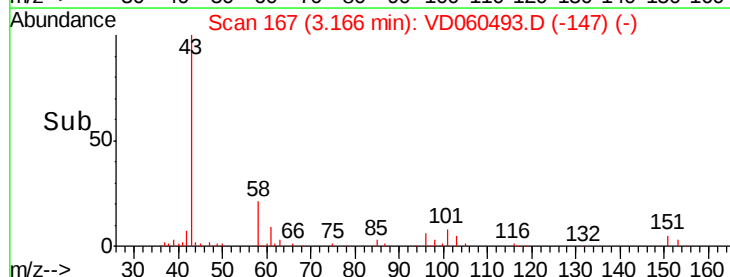
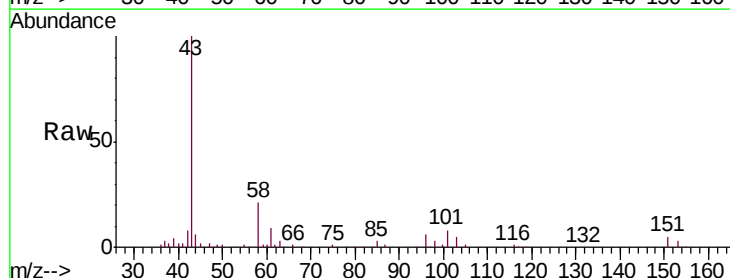
Acq: 5 Dec 2018 15:33

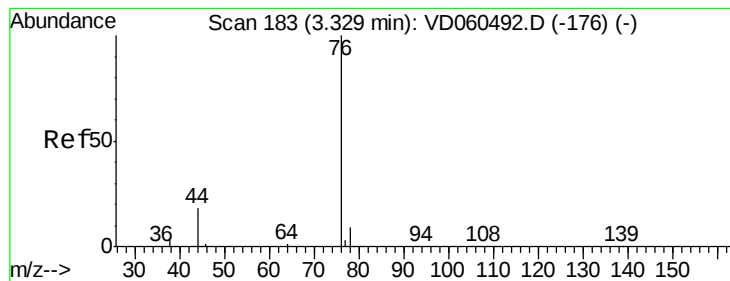
Tgt Ion: 43 Resp: 618881

Ion Ratio Lower Upper

43 100

58 20.9 17.3 25.9





#17

Carbon Disulfide

Concen: 72.418 ug/l

RT: 3.32 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

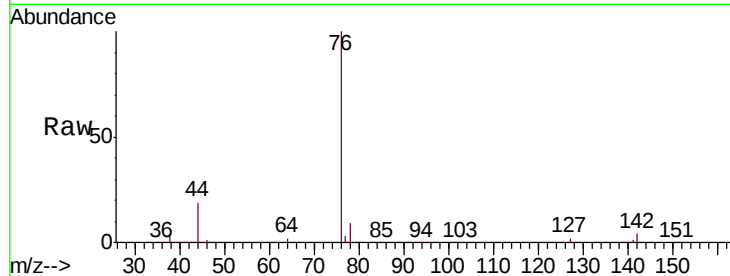
VSTDIC075

Tgt Ion: 76 Resp: 1812551

Ion Ratio Lower Upper

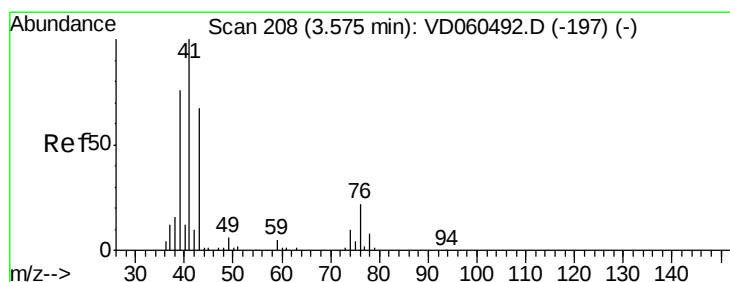
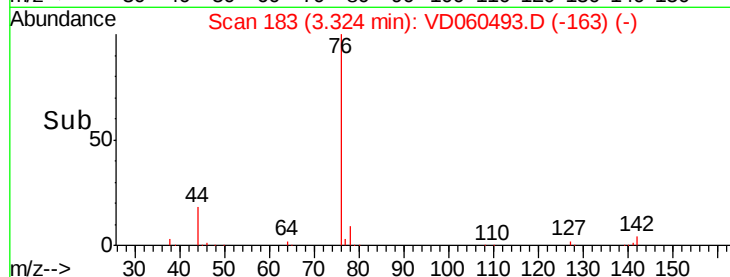
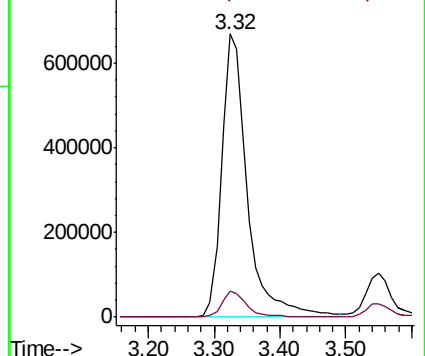
76 100

78 9.4 7.0 10.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 64.362 ug/l

RT: 3.57 min Scan# 208

Delta R.T. -0.01 min

Lab File: VD060493.D

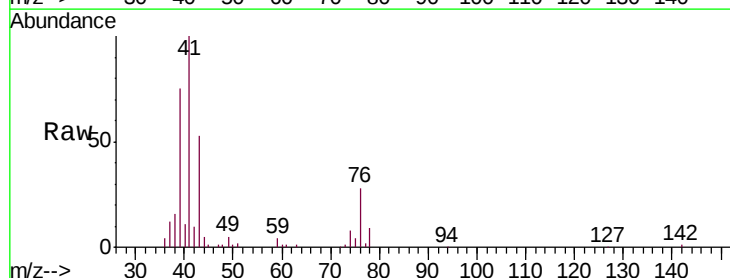
Acq: 5 Dec 2018 15:33

Tgt Ion: 43 Resp: 272721

Ion Ratio Lower Upper

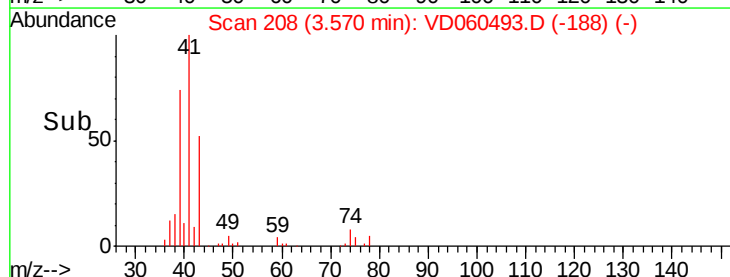
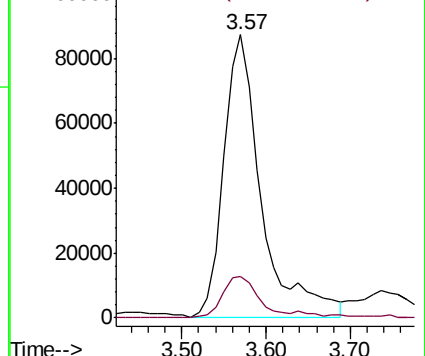
43 100

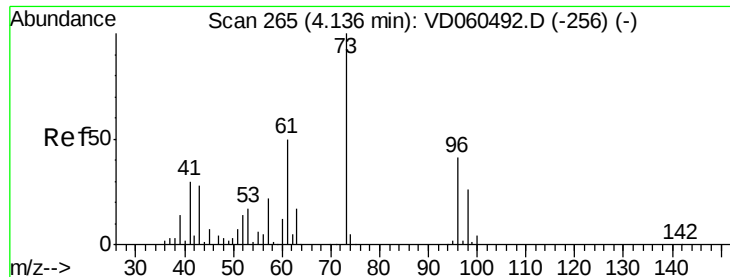
74 14.6 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

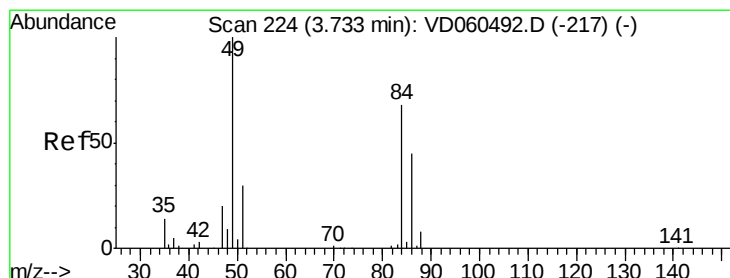
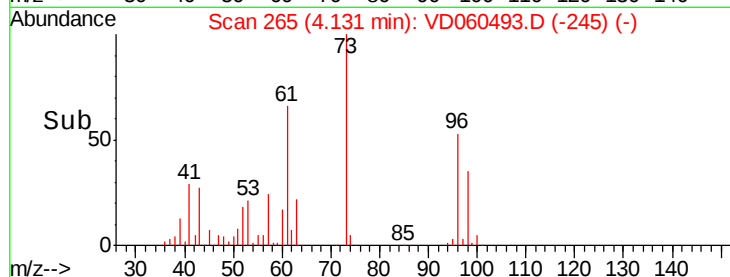
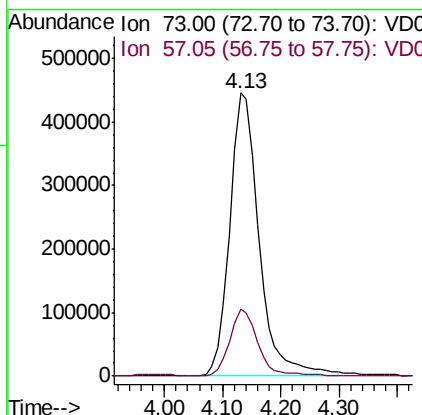
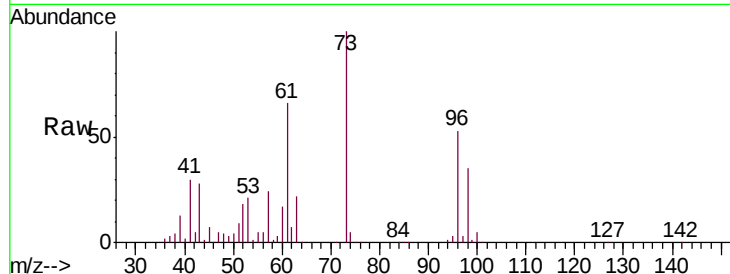




#19
Methyl tert-butyl Ether
Concen: 67.882 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

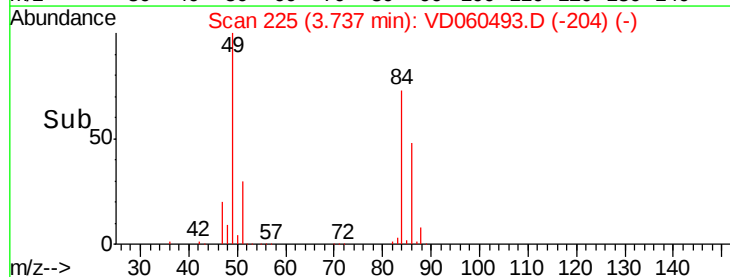
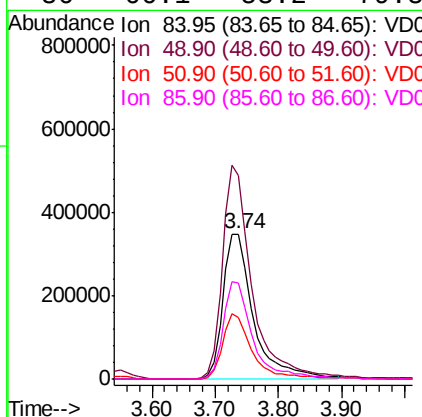
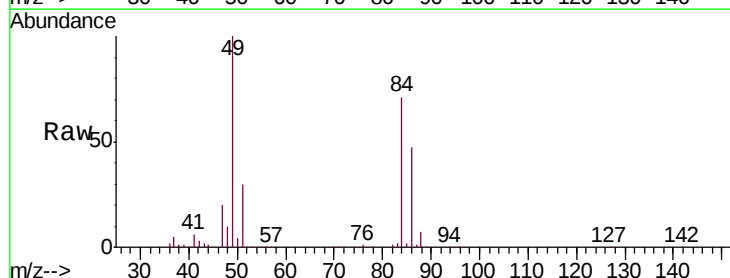
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

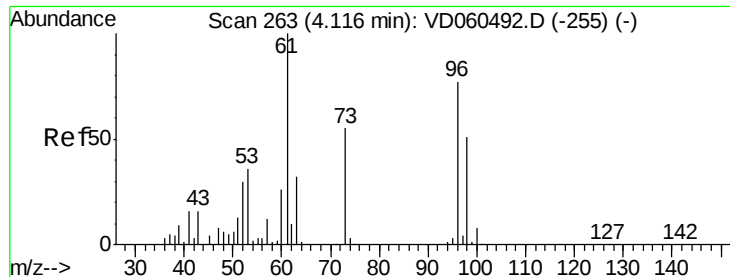
Tgt Ion: 73 Resp: 1561201
Ion Ratio Lower Upper
73 100
57 23.7 17.8 26.6



#20
Methylene Chloride
Concen: 66.411 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Tgt Ion: 84 Resp: 1167186
Ion Ratio Lower Upper
84 100
49 140.4 117.2 175.8
51 42.6 35.3 52.9
86 66.1 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 71.574 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

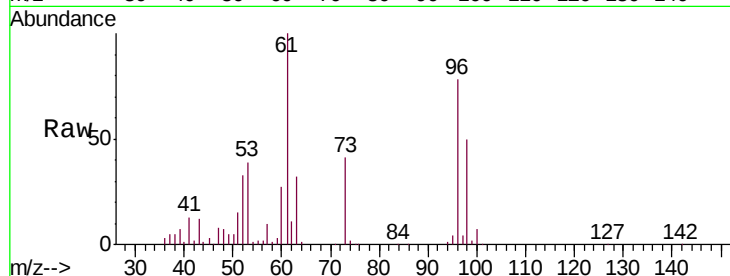
Tgt Ion: 96 Resp: 1231047

Ion Ratio Lower Upper

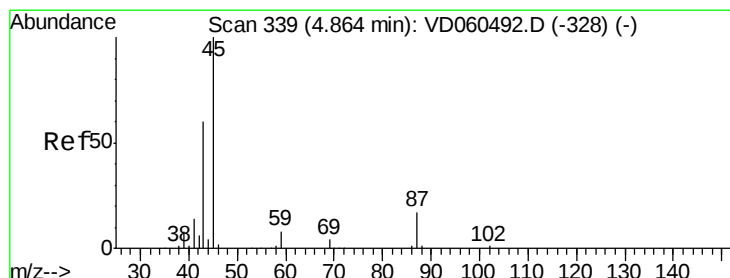
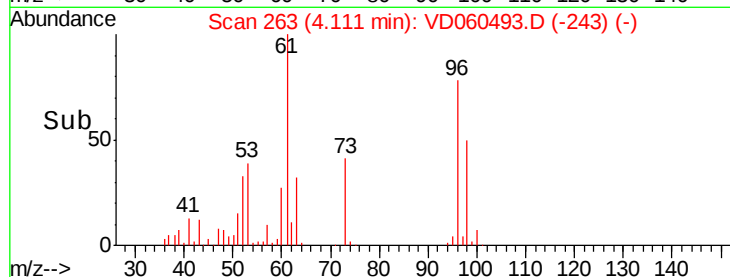
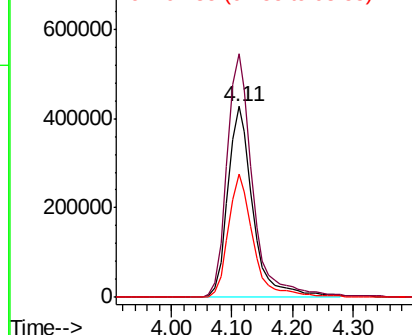
96 100

61 127.8 104.2 156.4

98 64.4 52.8 79.2



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



#22

Diisopropyl ether

Concen: 68.683 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Tgt Ion: 45 Resp: 3780032

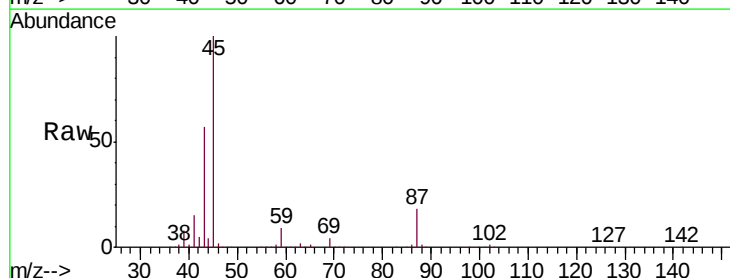
Ion Ratio Lower Upper

45 100

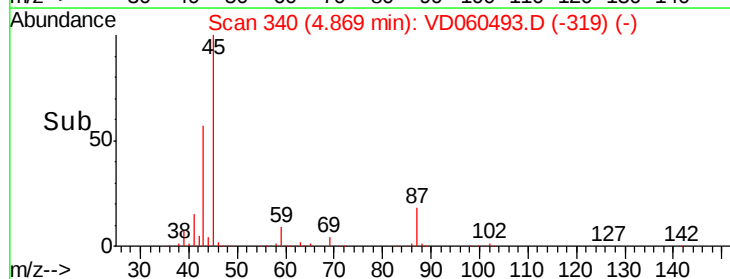
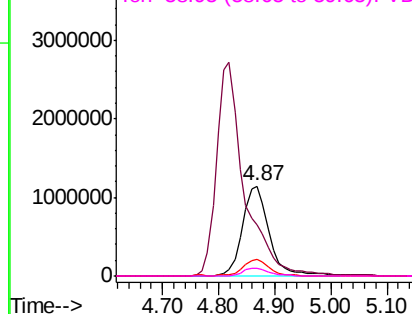
43 56.9 48.6 73.0

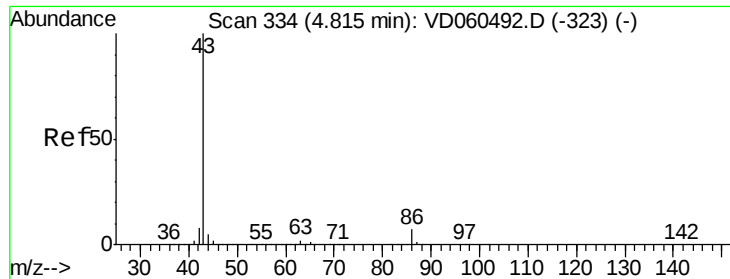
87 17.9 14.0 21.0

59 9.2 6.9 10.3



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 341.160 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

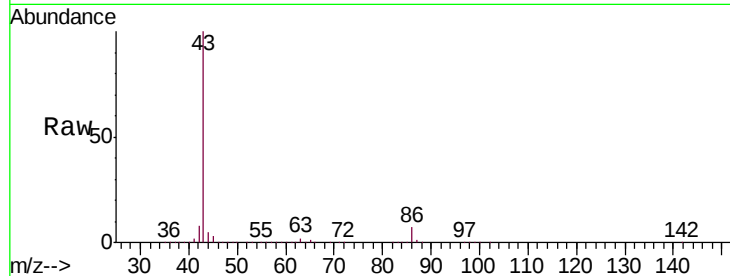
VSTDIC075

Tgt Ion: 43 Resp: 9377025

Ion Ratio Lower Upper

43 100

86 7.0 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.82

3000000

2500000

2000000

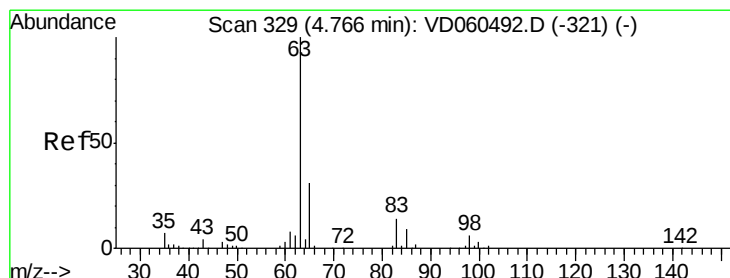
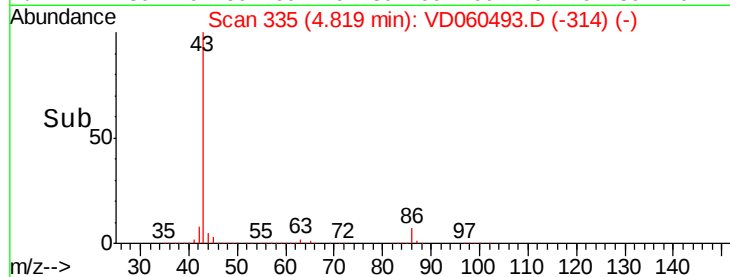
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 69.565 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

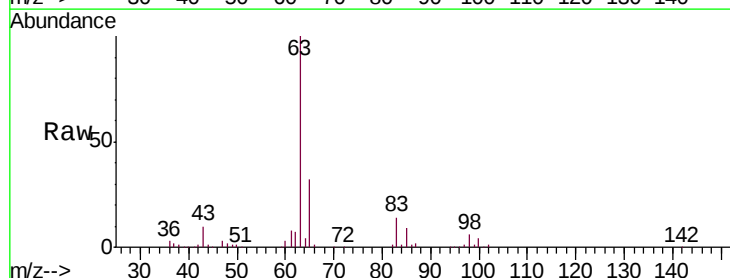
Tgt Ion: 63 Resp: 1970155

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

800000

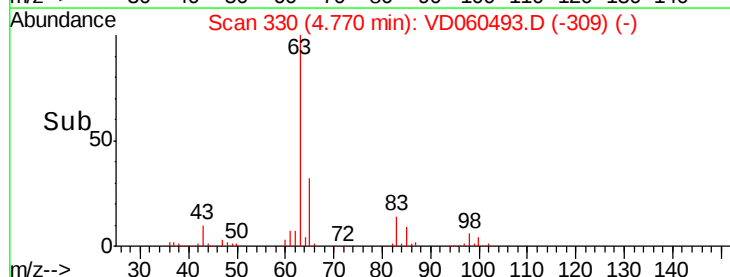
600000

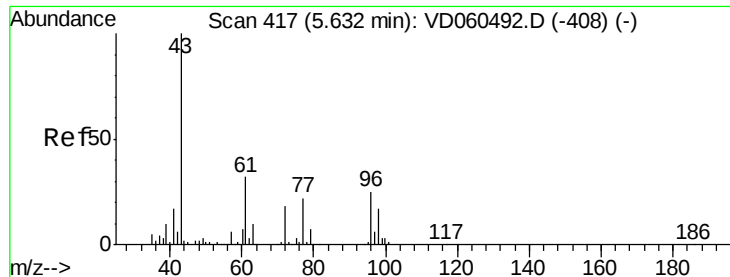
400000

200000

0

Time-->





#25

2-Butanone

Concen: 323.717 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

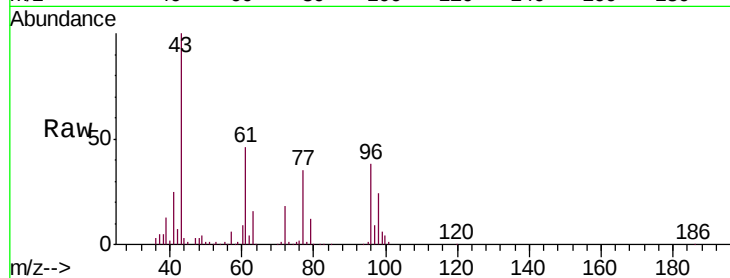
VSTDIC075

Tgt Ion: 43 Resp: 1301741

Ion Ratio Lower Upper

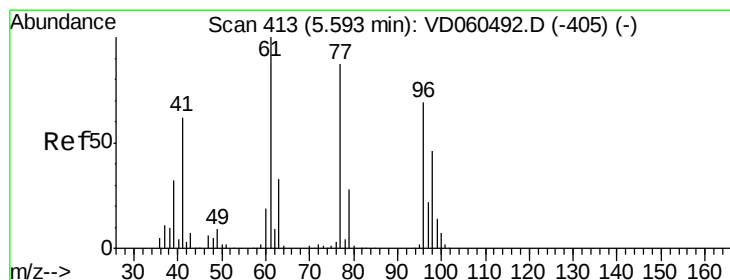
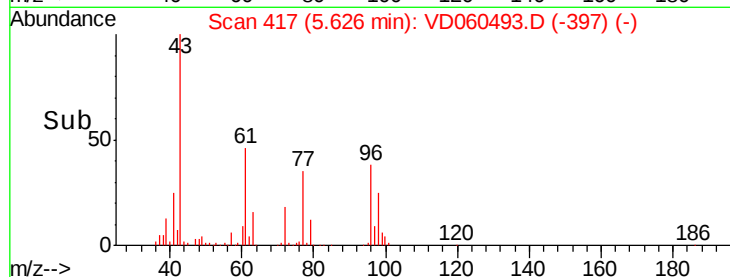
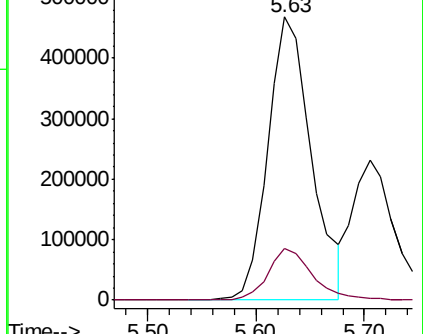
43 100

72 18.1 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: 69.986 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060493.D

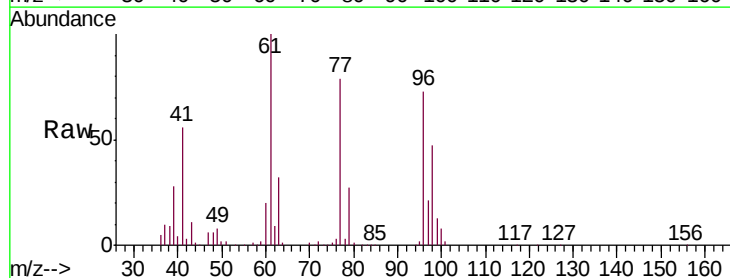
Acq: 5 Dec 2018 15:33

Tgt Ion: 77 Resp: 1533459

Ion Ratio Lower Upper

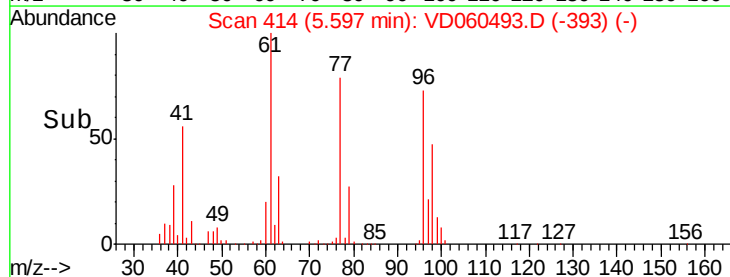
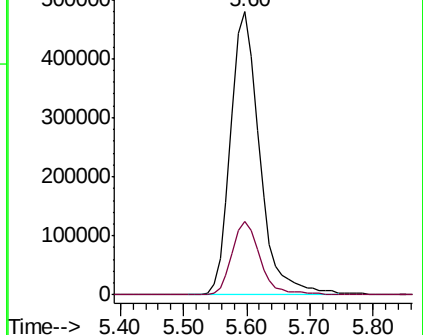
77 100

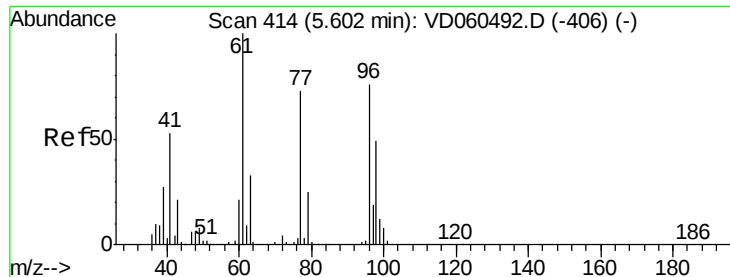
97 25.9 12.7 38.0



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: 70.767 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

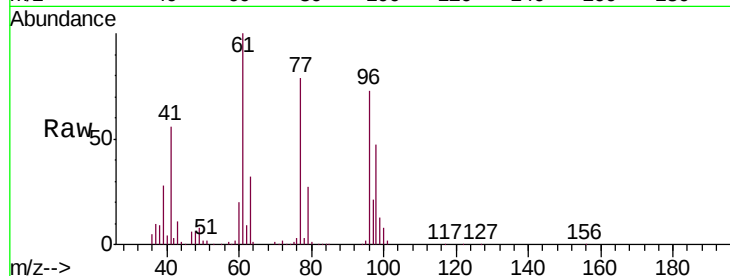
Tgt Ion: 96 Resp: 1262443

Ion Ratio Lower Upper

96 100

61 136.8 0.0 263.6

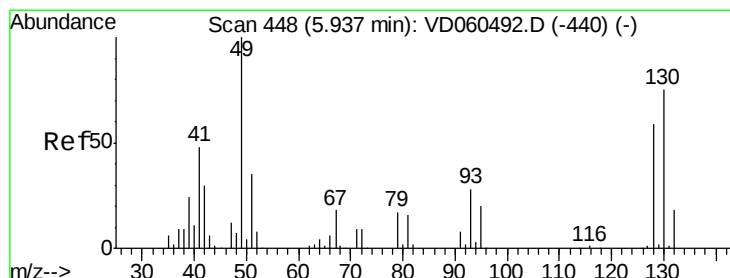
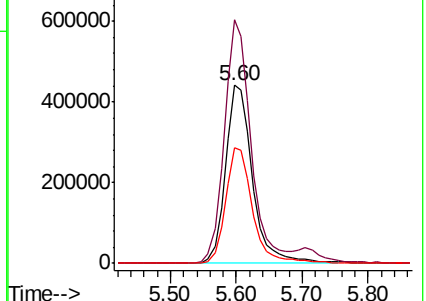
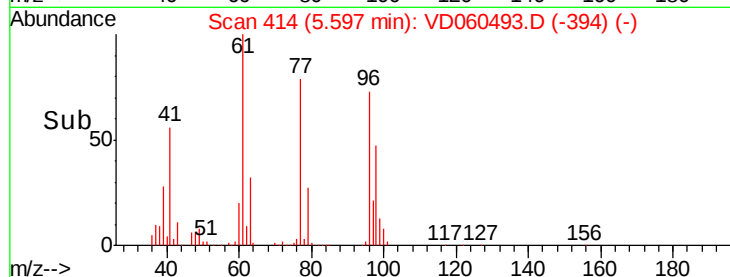
98 65.0 0.0 128.2



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: 68.469 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

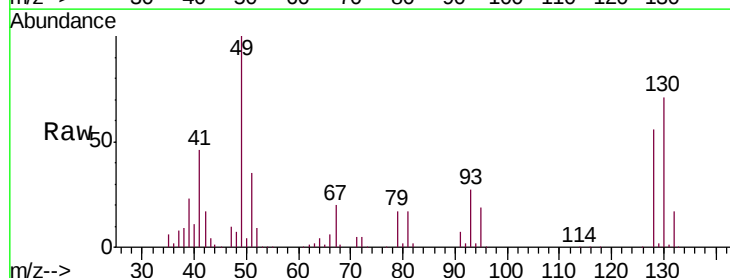
Tgt Ion: 49 Resp: 855532

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.4

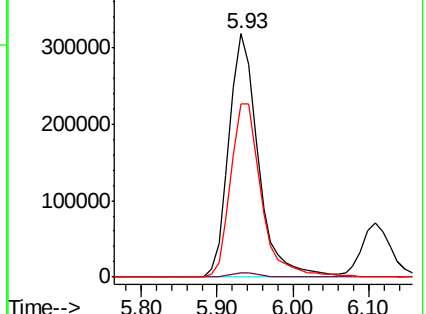
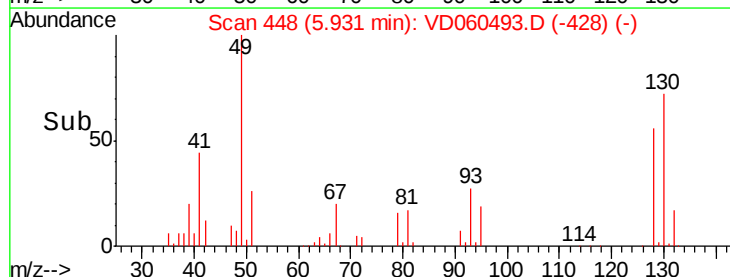
130 71.4 59.8 89.6



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

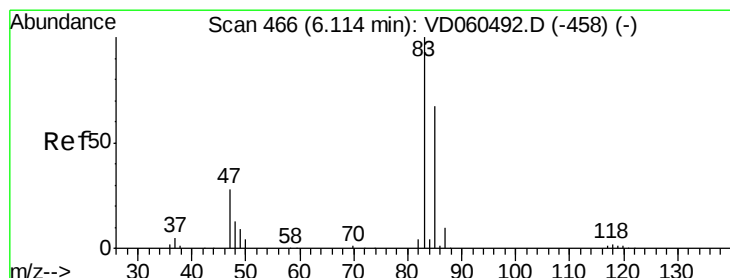
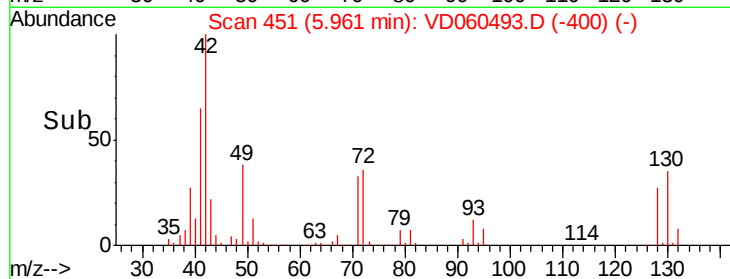
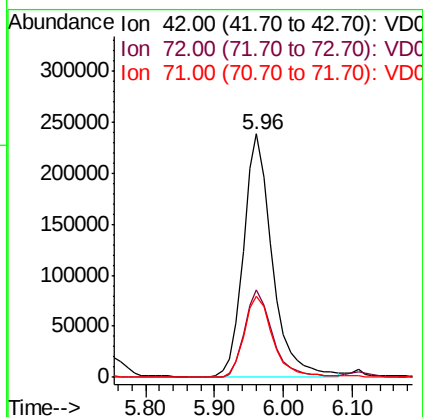
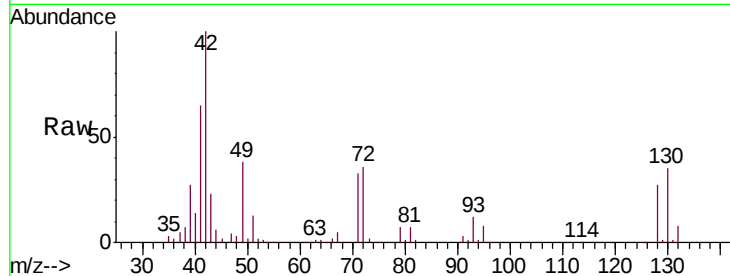




#29
Tetrahydrofuran
Concen: 320.463 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

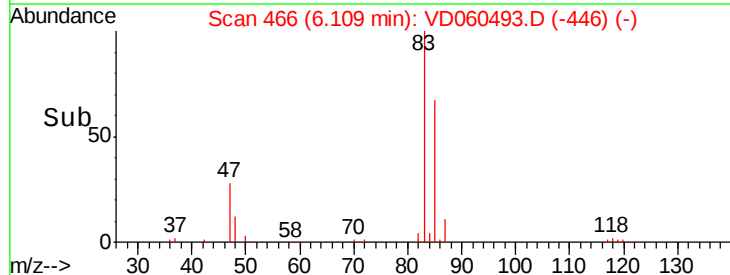
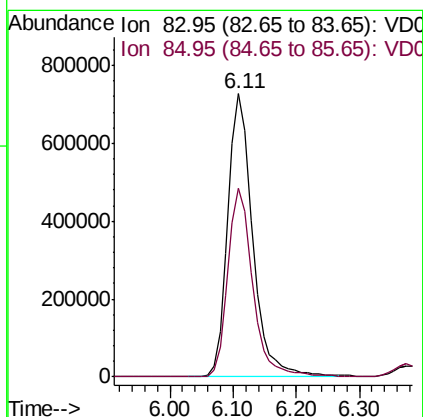
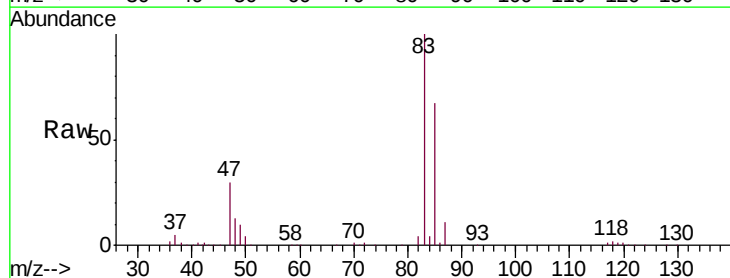
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

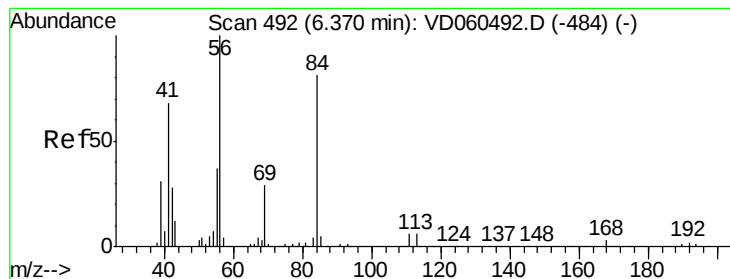
Tgt Ion: 42 Resp: 686936
Ion Ratio Lower Upper
42 100
72 35.1 28.0 42.0
71 34.1 27.2 40.8



#30
Chloroform
Concen: 70.163 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Tgt Ion: 83 Resp: 1986781
Ion Ratio Lower Upper
83 100
85 66.6 53.4 80.2





#31

Cyclohexane

Concen: 64.876 ug/l

RT: 6.37 min Scan# 493

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

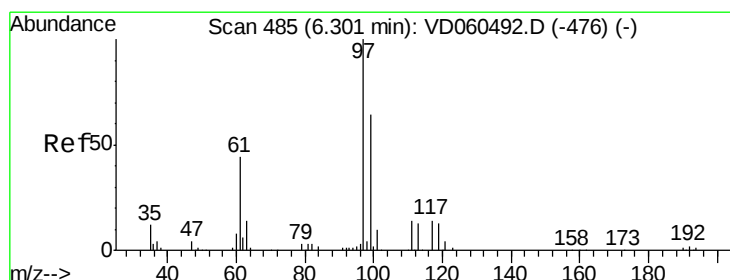
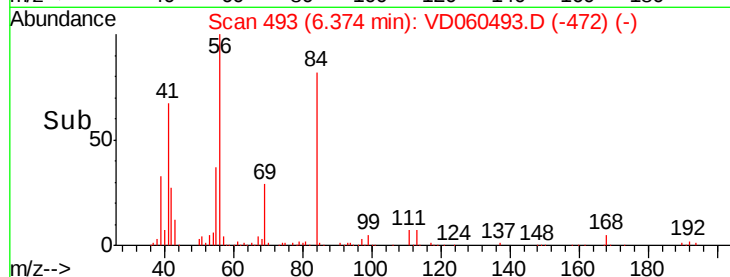
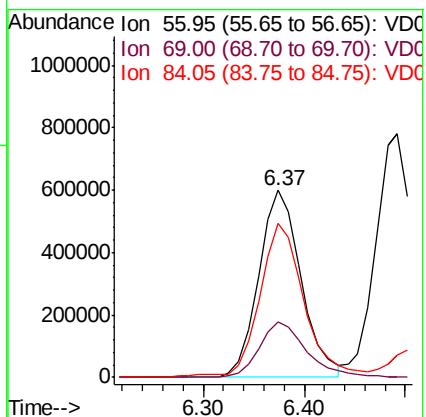
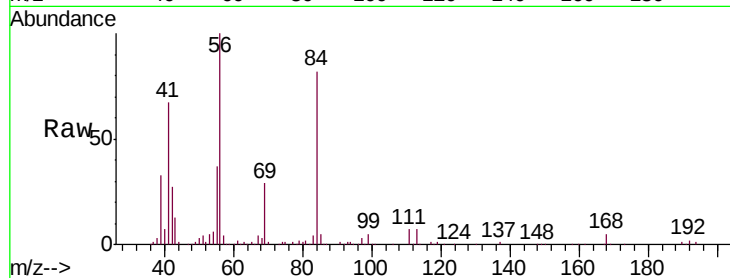
Tgt Ion: 56 Resp: 1749247

Ion Ratio Lower Upper

56 100

69 29.5 22.8 34.2

84 82.3 65.1 97.7



#32

1,1,1-Trichloroethane

Concen: 68.647 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

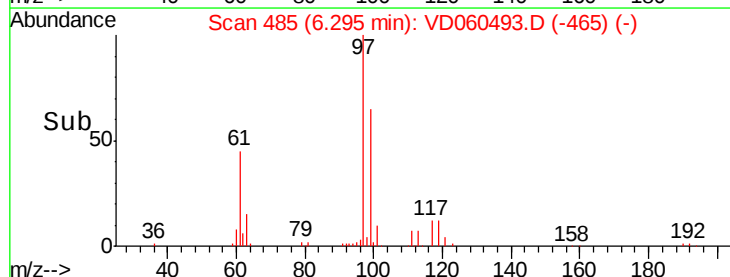
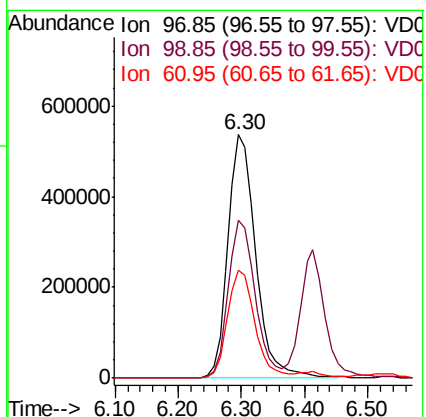
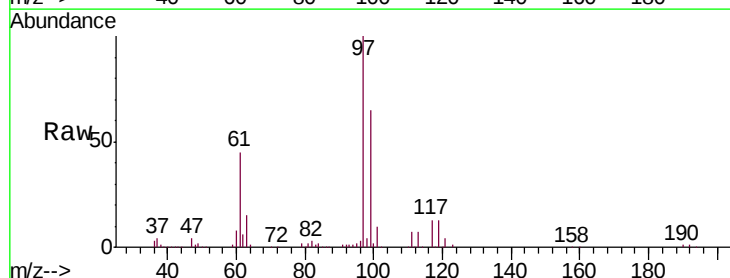
Tgt Ion: 97 Resp: 1632530

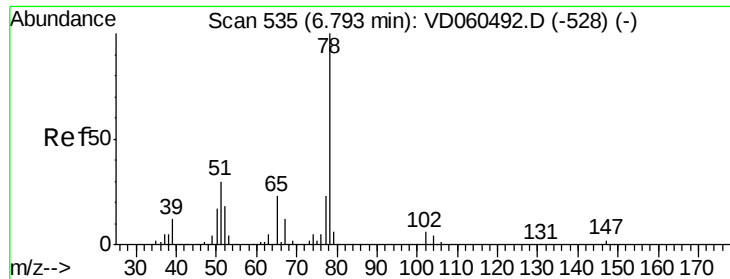
Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.4

61 44.5 35.3 52.9

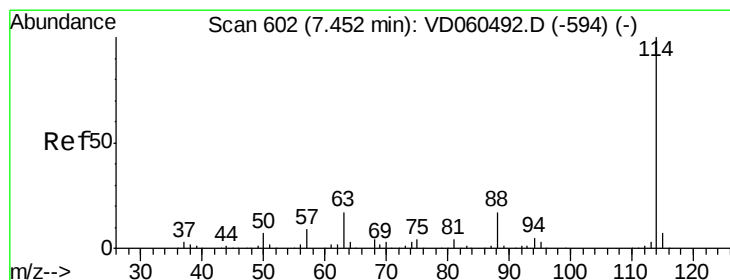
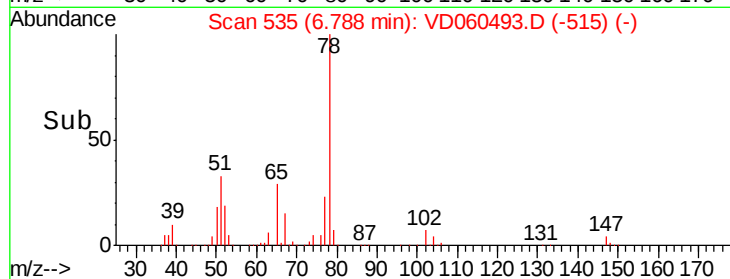
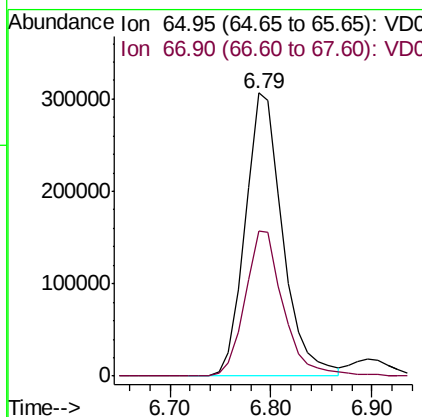
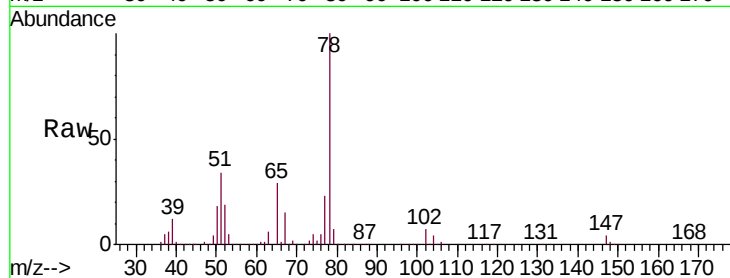




#33
 1,2-Dichloroethane-d4
 Concen: 68.647 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

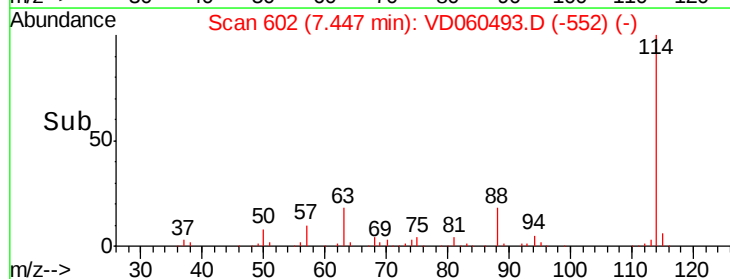
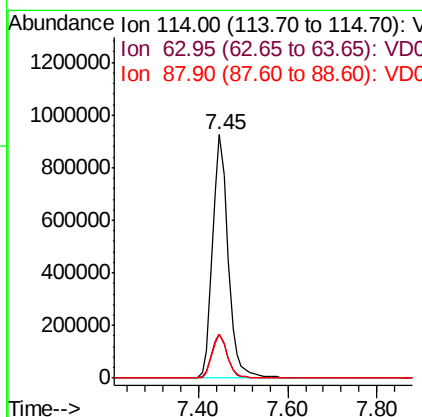
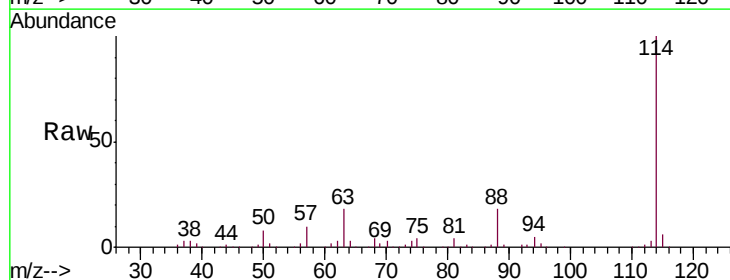
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

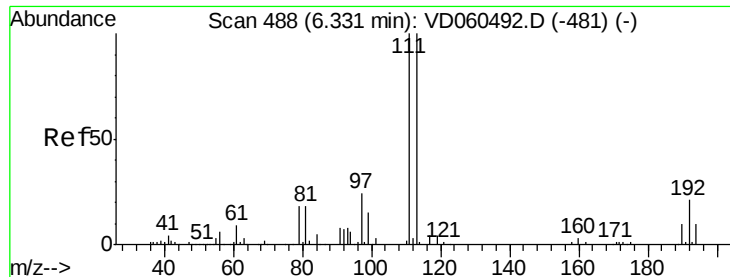
Tgt Ion: 65 Resp: 790308
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Tgt Ion: 114 Resp: 2236849
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.2
 88 17.9 0.0 35.0

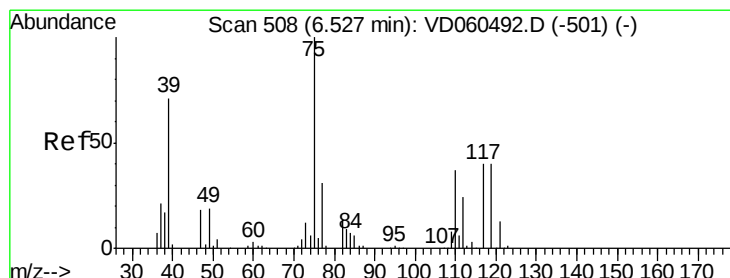
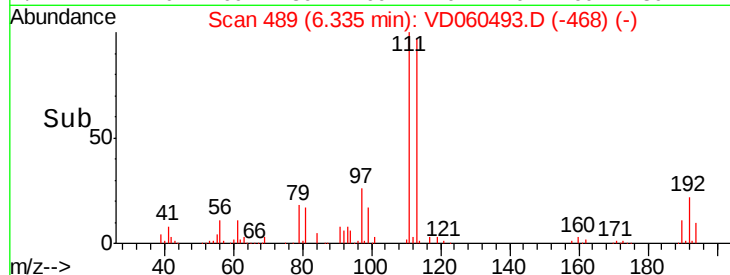
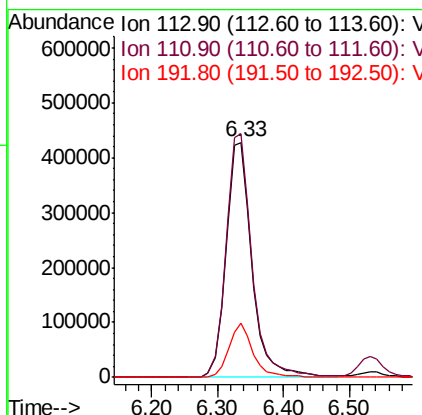
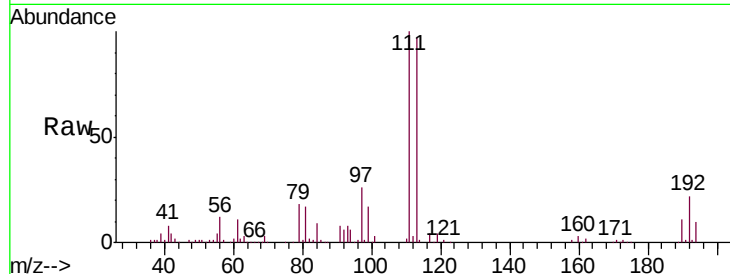




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

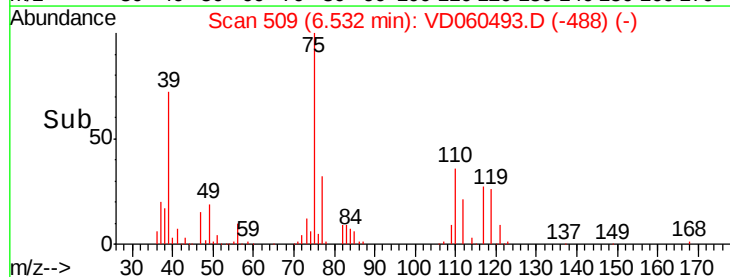
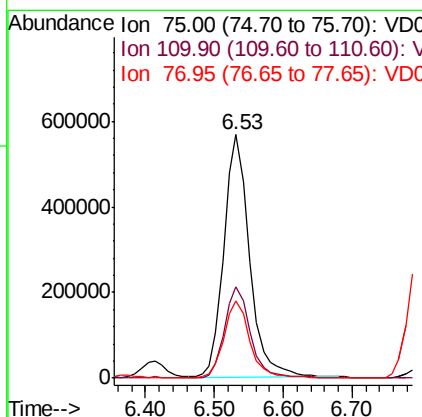
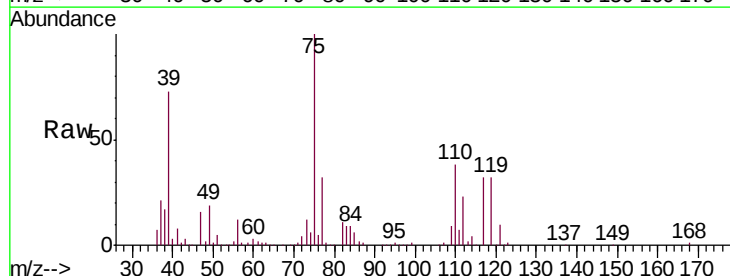
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

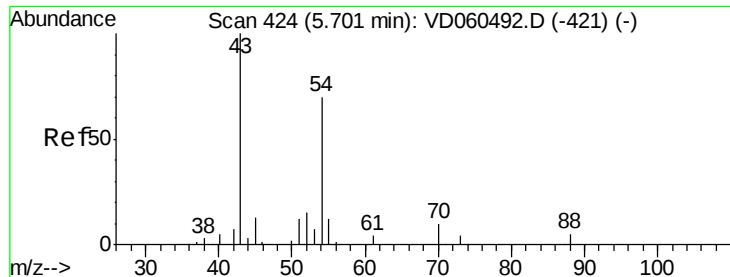
Tgt Ion:113 Resp: 1180025
 Ion Ratio Lower Upper
 113 100
 111 103.6 80.2 120.4
 192 23.2 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 66.274 ug/l
 RT: 6.53 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Tgt Ion: 75 Resp: 1465469
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.3 54.8
 77 31.8 24.6 37.0





#37

Ethyl Acetate

Concen: 63.150 ug/l

RT: 5.71 min Scan# 425

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

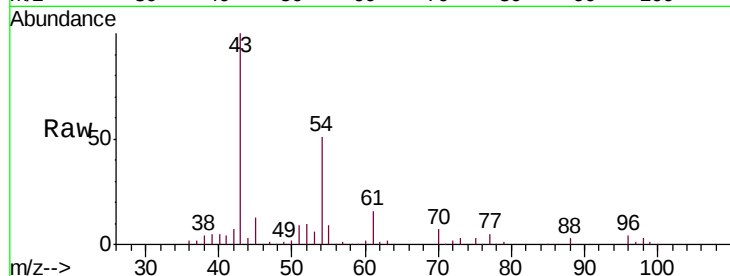
Tgt Ion: 43 Resp: 639535

Ion Ratio Lower Upper

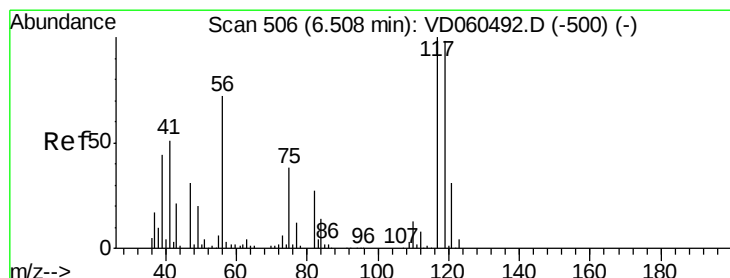
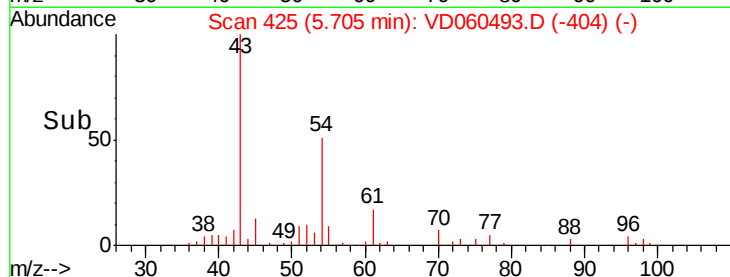
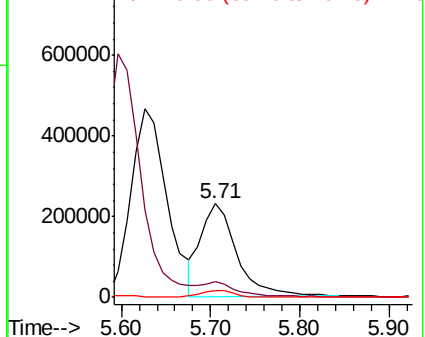
43 100

61 16.5 12.4 18.6

70 7.1 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: 67.381 ug/l

RT: 6.50 min Scan# 506

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

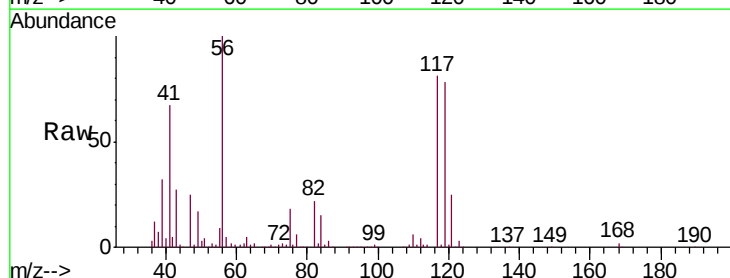
Tgt Ion: 117 Resp: 1374482

Ion Ratio Lower Upper

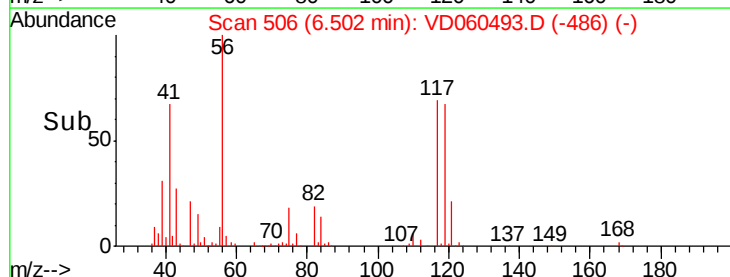
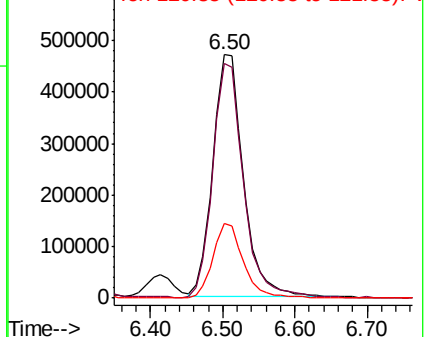
117 100

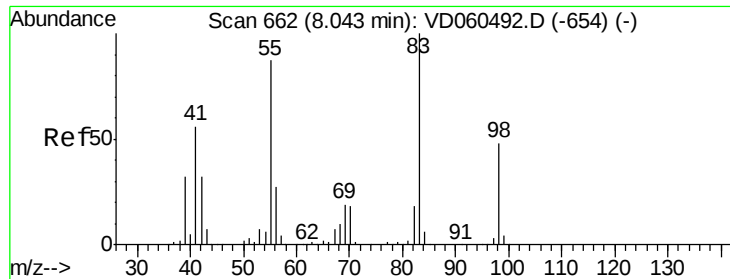
119 96.4 76.8 115.2

121 30.4 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

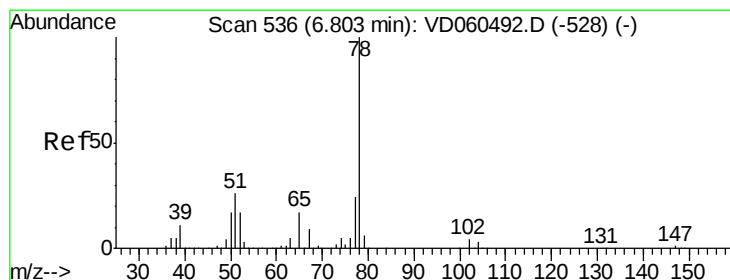
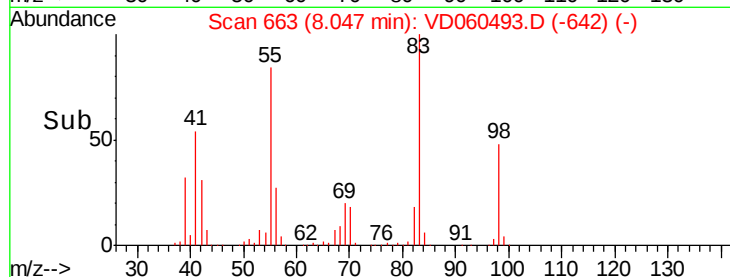
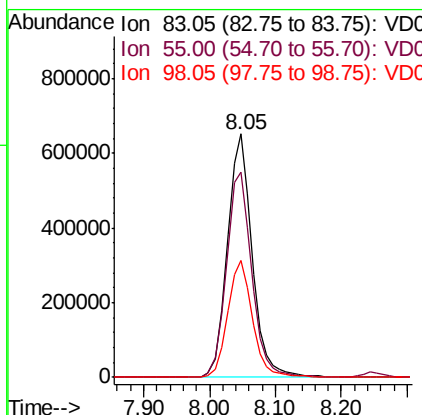
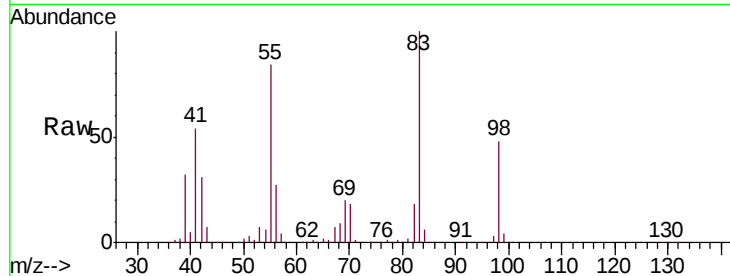




#39
Methylcyclohexane
Concen: 67.701 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

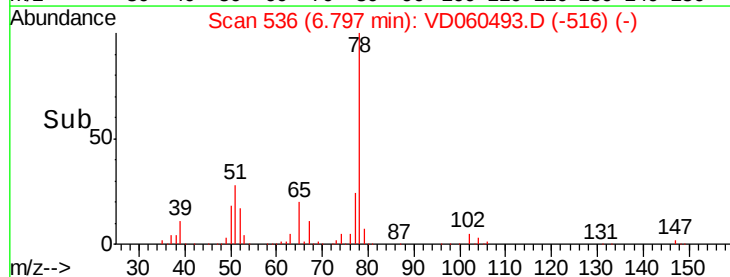
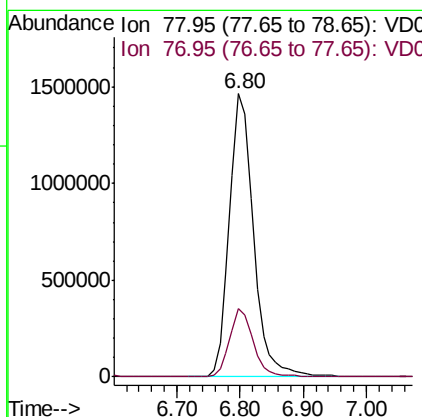
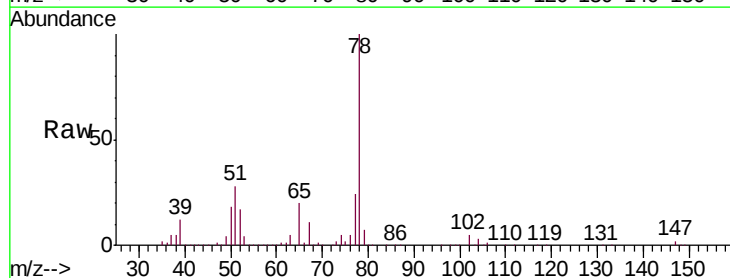
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

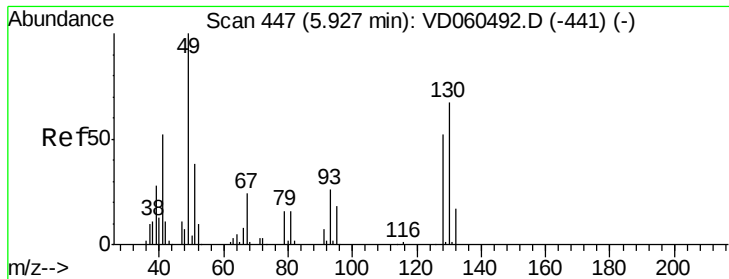
Tgt Ion: 83 Resp: 1716937
Ion Ratio Lower Upper
83 100
55 84.5 69.8 104.8
98 48.2 38.4 57.6



#40
Benzene
Concen: 69.228 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Tgt Ion: 78 Resp: 3895315
Ion Ratio Lower Upper
78 100
77 24.0 18.9 28.3





#41

Methacrylonitrile

Concen: 70.633 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.02 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tgt Ion: 41 Resp: 739419

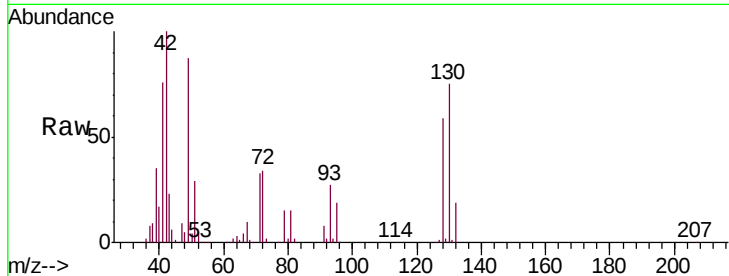
Ion Ratio Lower Upper

41 100

39 46.2 42.6 63.8

67 13.7 36.2 54.4#

52 7.0 15.6 23.4#



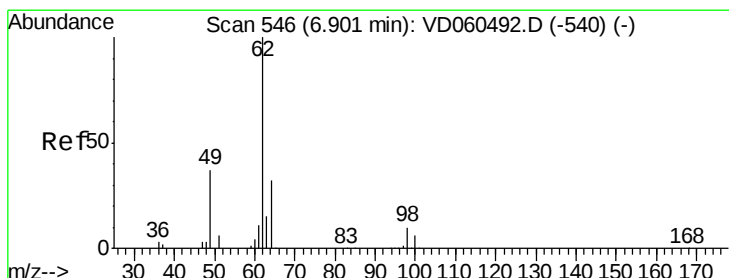
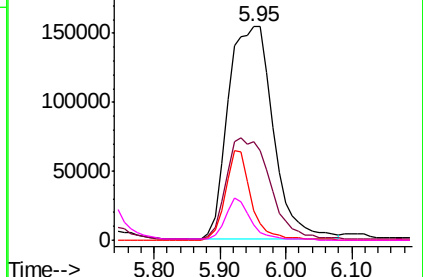
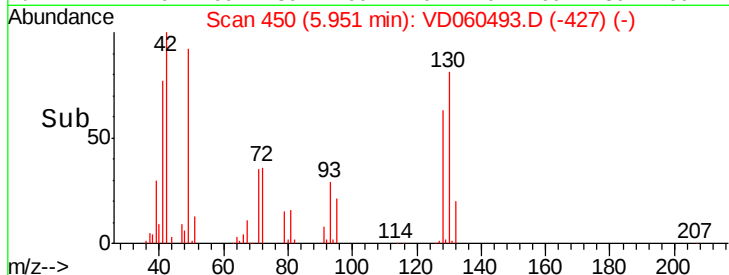
Abundance Ion 40.95 (40.65 to 41.65): VDC

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

Time-->



#42

1,2-Dichloroethane

Concen: 68.506 ug/l

RT: 6.91 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD060493.D

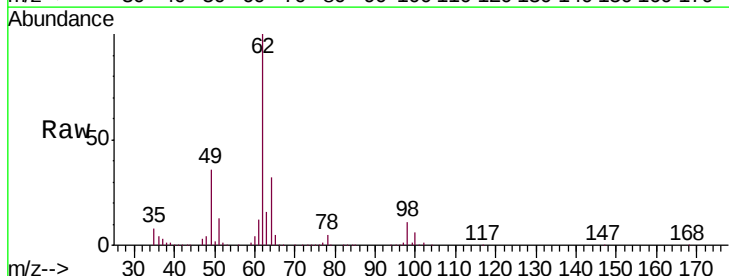
Acq: 5 Dec 2018 15:33

Tgt Ion: 62 Resp: 1002991

Ion Ratio Lower Upper

62 100

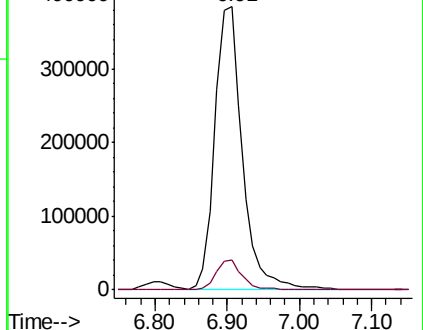
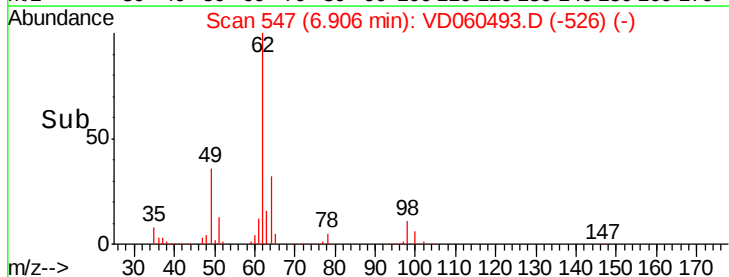
98 10.6 0.0 20.2

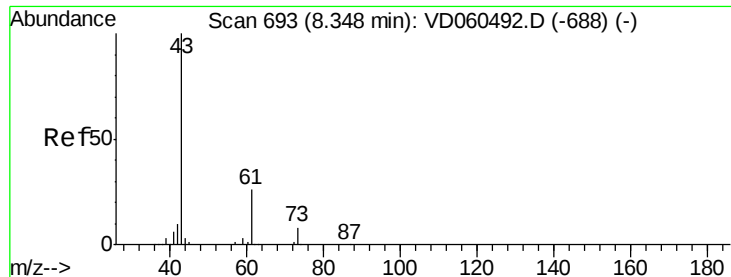


Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

Time-->





#43

Isopropyl Acetate

Concen: 68.706 ug/l

RT: 8.35 min Scan# 694

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

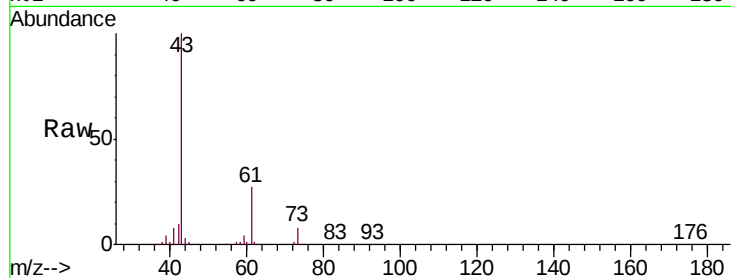
Tgt Ion: 43 Resp: 866628

Ion Ratio Lower Upper

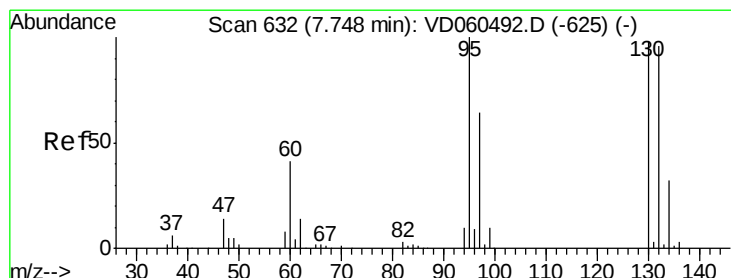
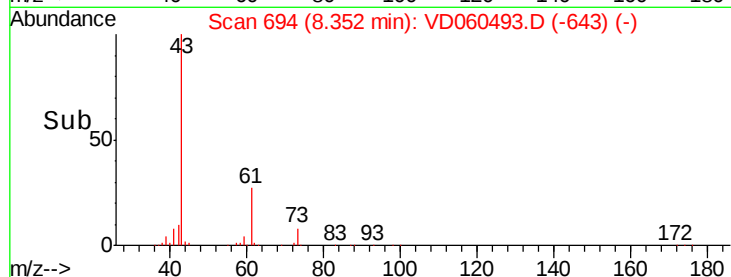
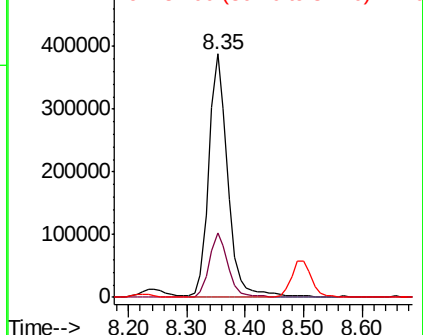
43 100

61 26.7 21.0 31.4

87 0.3 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: 69.999 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060493.D

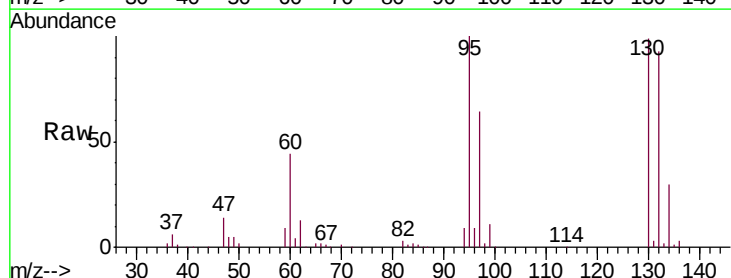
Acq: 5 Dec 2018 15:33

Tgt Ion:130 Resp: 1194882

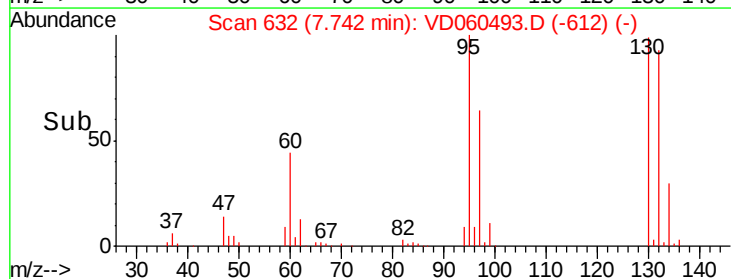
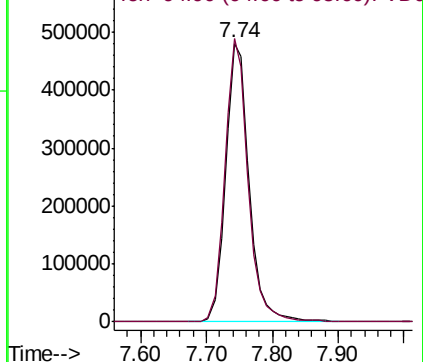
Ion Ratio Lower Upper

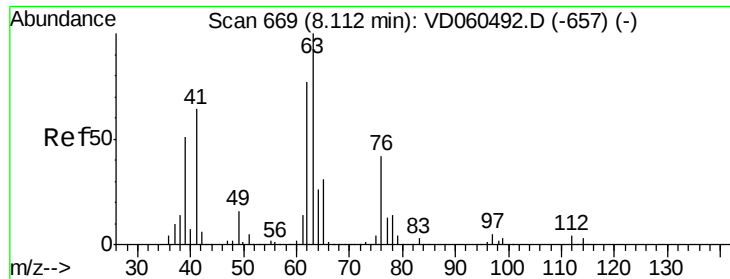
130 100

95 101.5 0.0 203.8



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





#45

1,2-Dichloropropane

Concen: 70.133 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

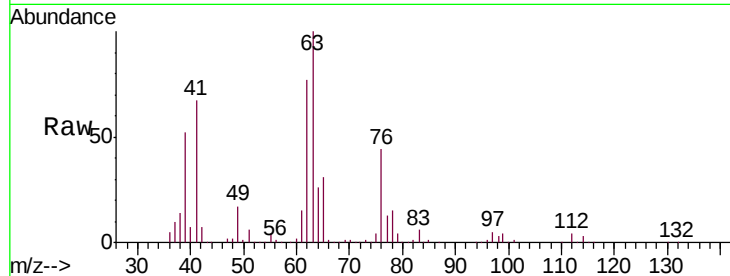
VSTDIC075

Tgt Ion: 63 Resp: 992854

Ion Ratio Lower Upper

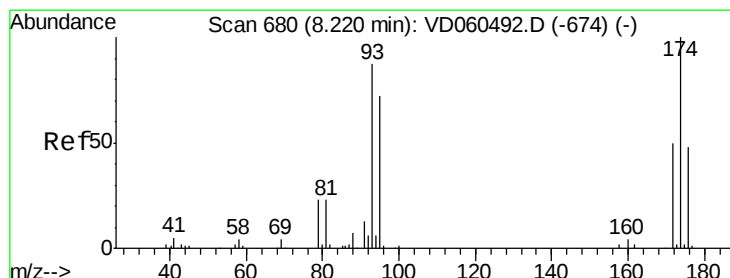
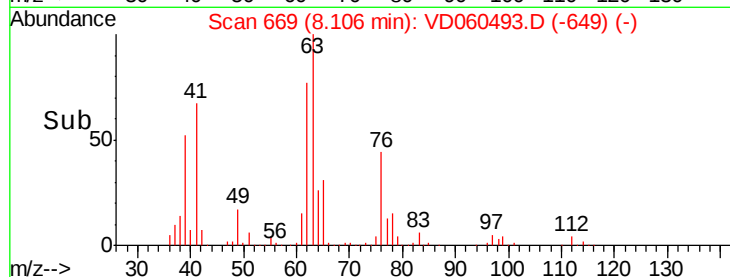
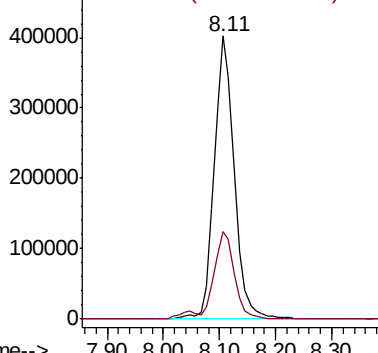
63 100

65 31.0 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 67.384 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

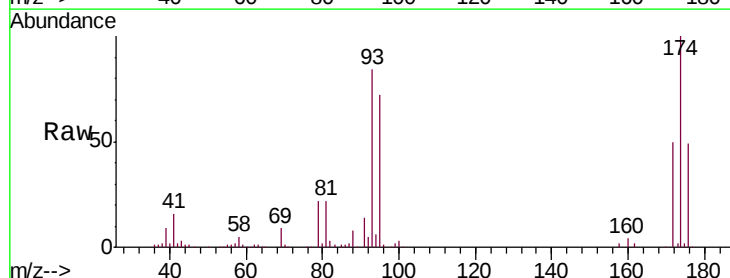
Tgt Ion: 93 Resp: 559769

Ion Ratio Lower Upper

93 100

95 85.2 65.6 98.4

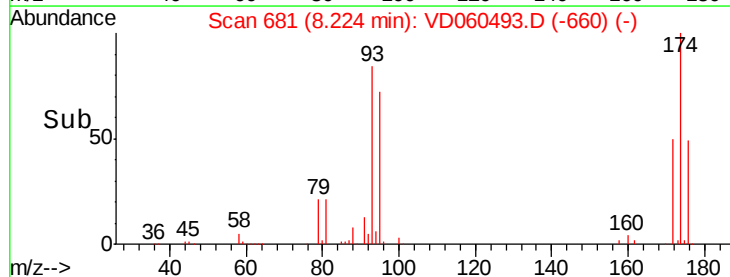
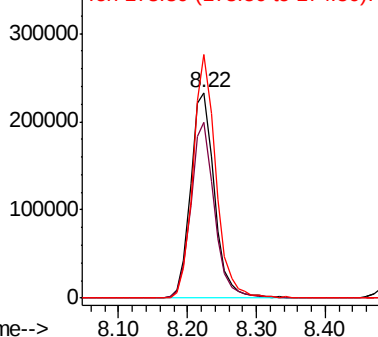
174 118.4 91.7 137.5

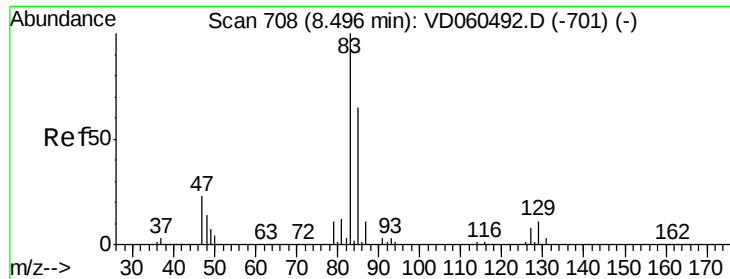


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 69.734 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

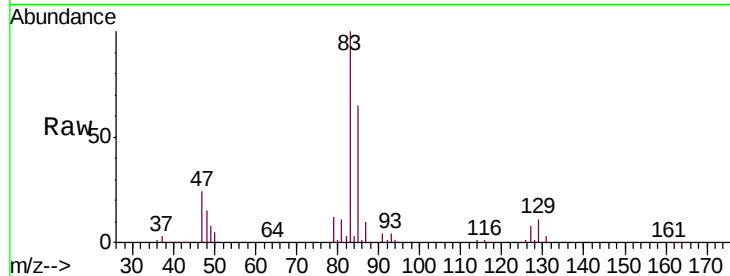
Tgt Ion: 83 Resp: 1359416

Ion Ratio Lower Upper

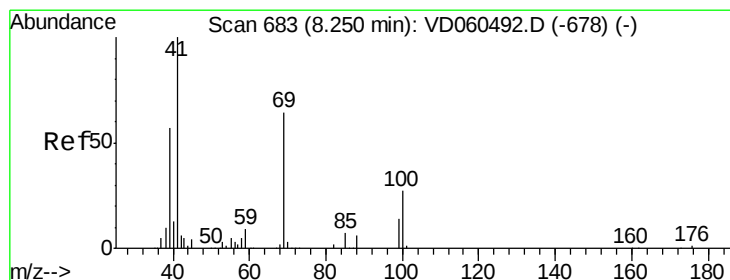
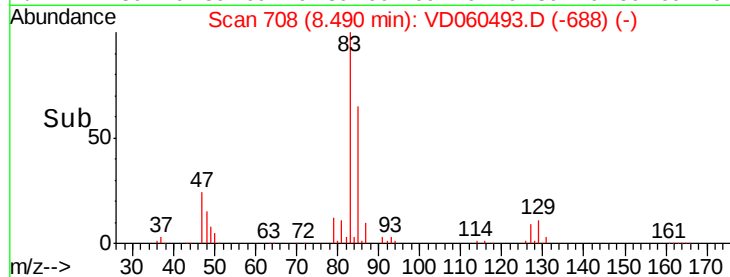
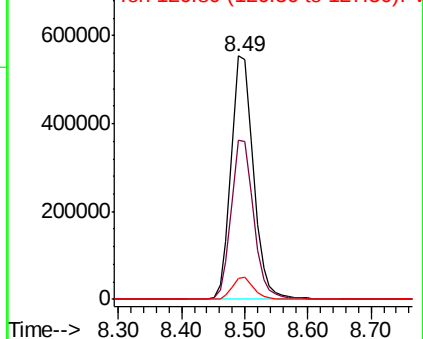
83 100

85 65.5 52.2 78.4

127 8.5 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: 66.265 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

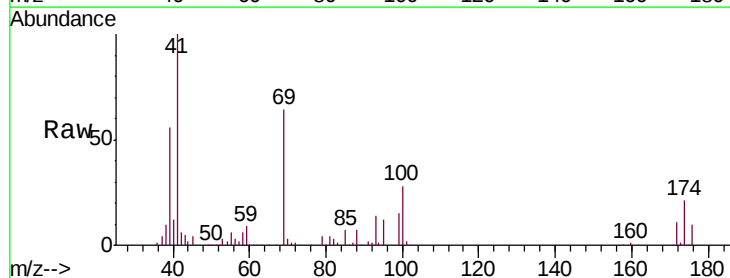
Tgt Ion: 41 Resp: 509801

Ion Ratio Lower Upper

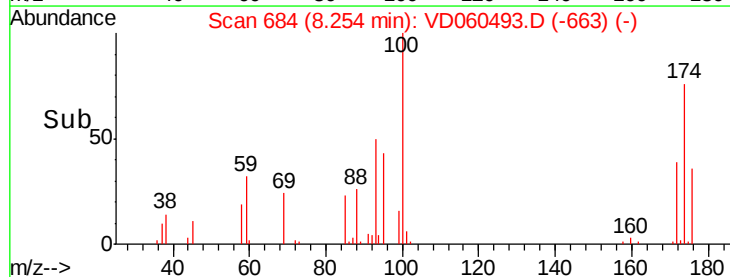
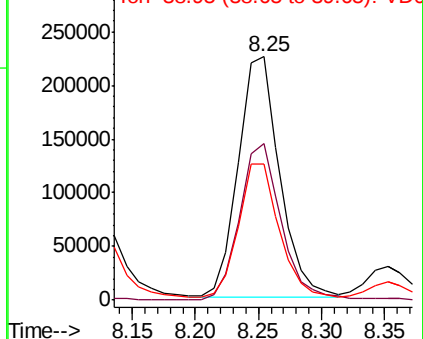
41 100

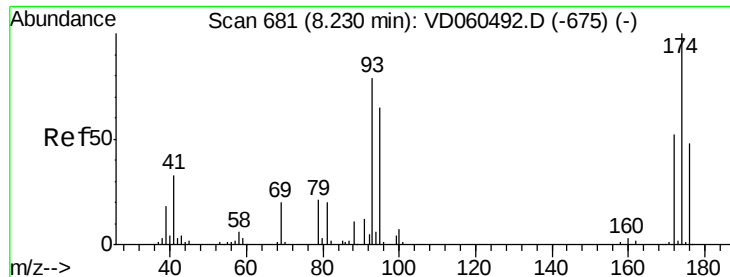
69 64.5 50.2 75.4

39 56.1 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: 1350.327 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

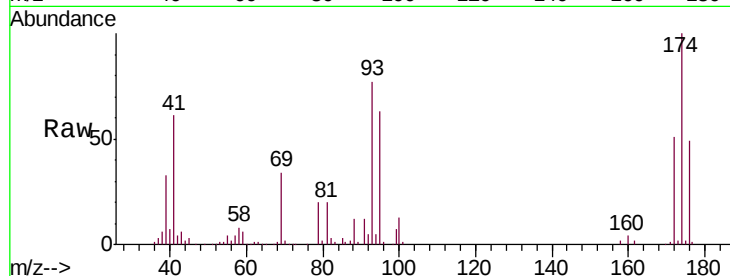
Tgt Ion: 88 Resp: 90746

Ion Ratio Lower Upper

88 100

43 47.8 32.9 49.3

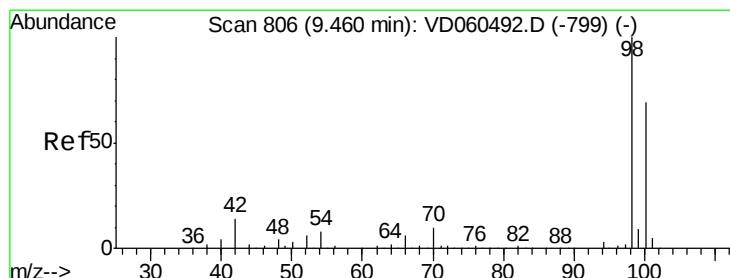
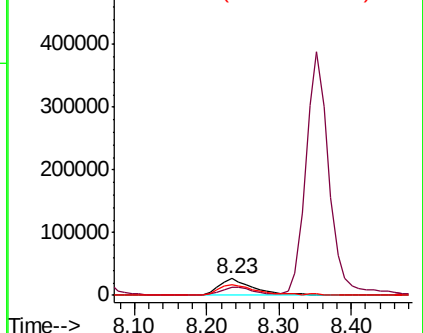
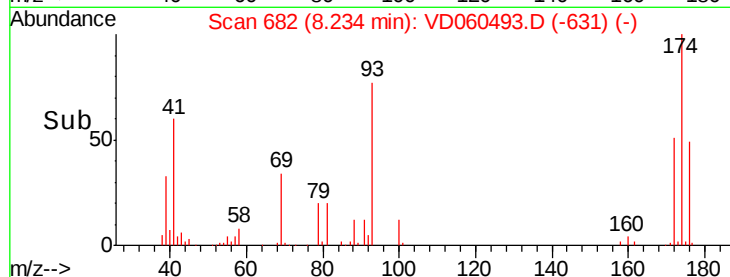
58 64.6 47.7 71.5



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: 1350.327 ug/l

RT: 9.46 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060493.D

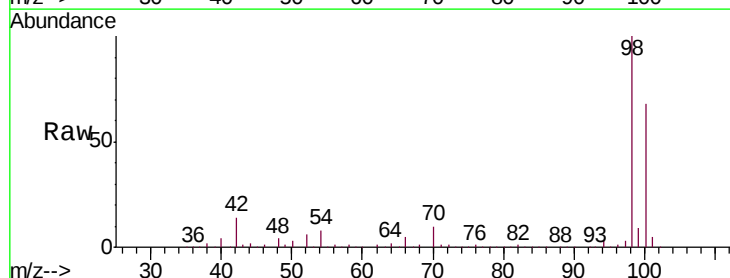
Acq: 5 Dec 2018 15:33

Tgt Ion: 98 Resp: 3470253

Ion Ratio Lower Upper

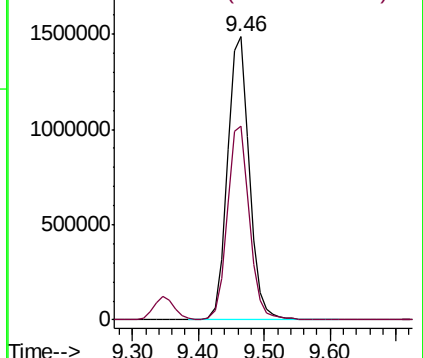
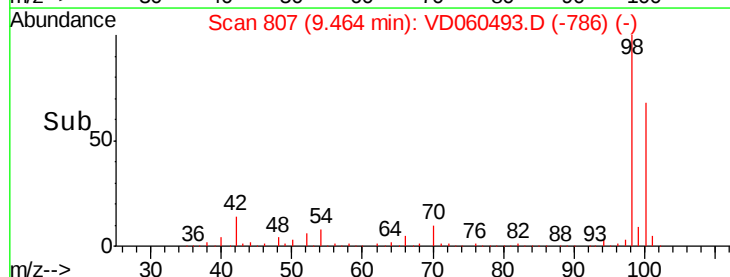
98 100

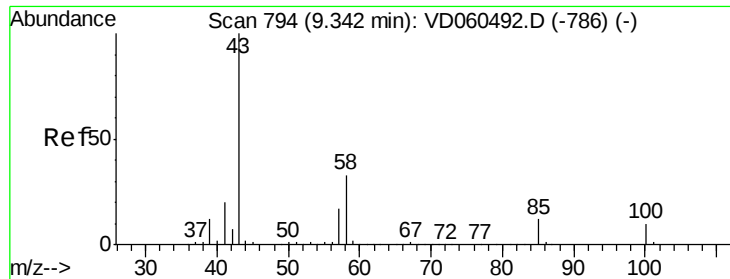
100 68.5 55.7 83.5



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: 318.621 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

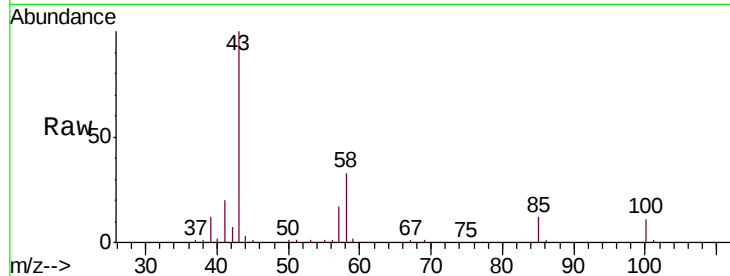
VSTDIC075

Tgt Ion: 43 Resp: 2619154

Ion Ratio Lower Upper

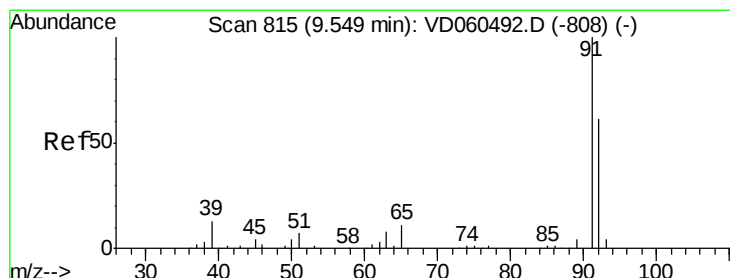
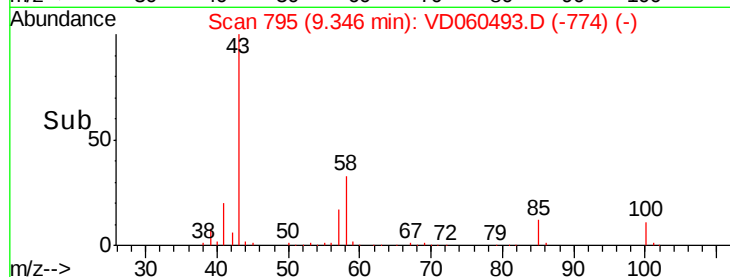
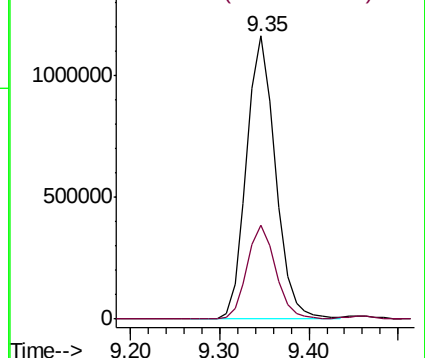
43 100

58 33.3 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: 68.986 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD060493.D

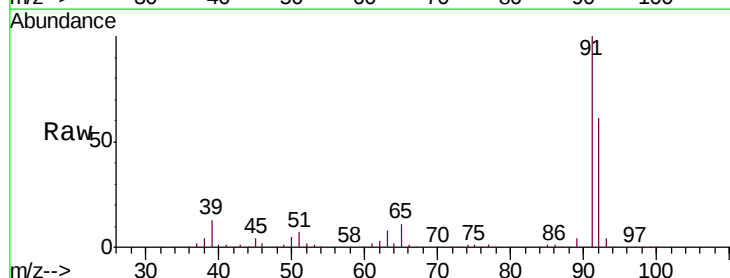
Acq: 5 Dec 2018 15:33

Tgt Ion: 92 Resp: 2476803

Ion Ratio Lower Upper

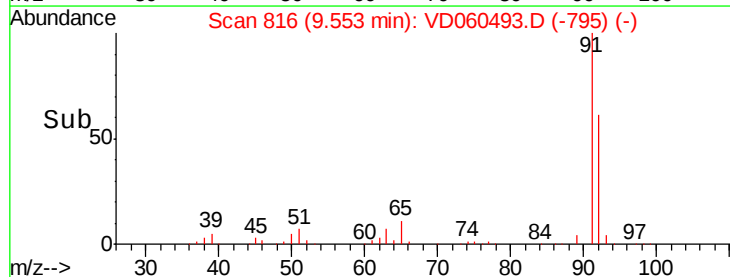
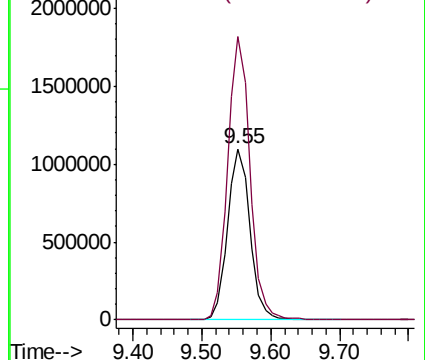
92 100

91 165.3 131.7 197.5



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: 69.361 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

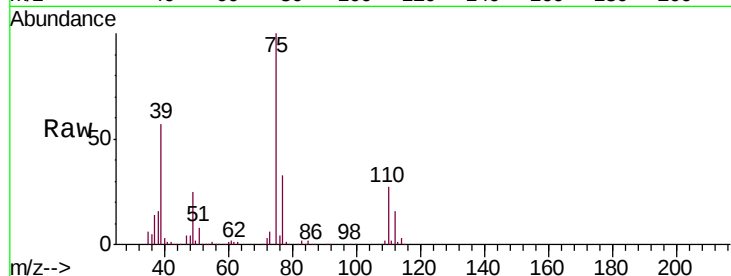
VSTDIC075

Tgt Ion: 75 Resp: 1137303

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.93

500000

400000

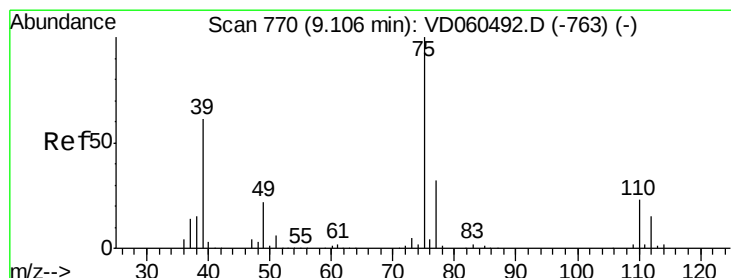
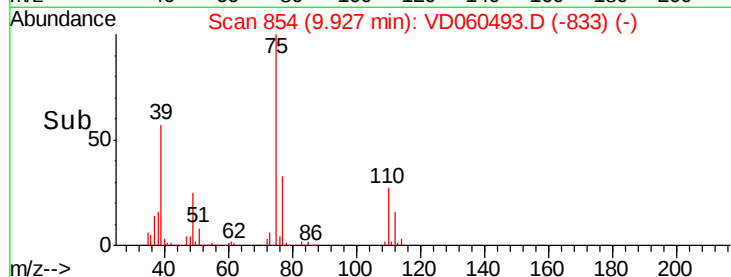
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 69.535 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

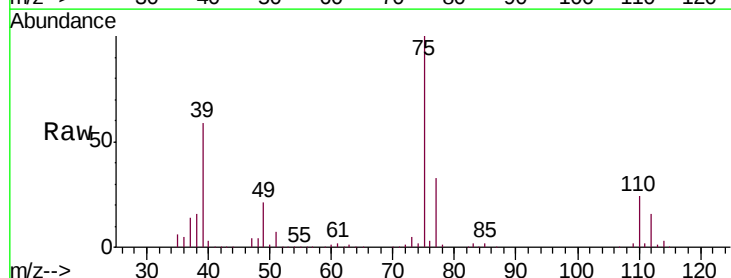
Tgt Ion: 75 Resp: 1474482

Ion Ratio Lower Upper

75 100

77 33.1 25.6 38.4

39 59.1 48.6 73.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.11

800000

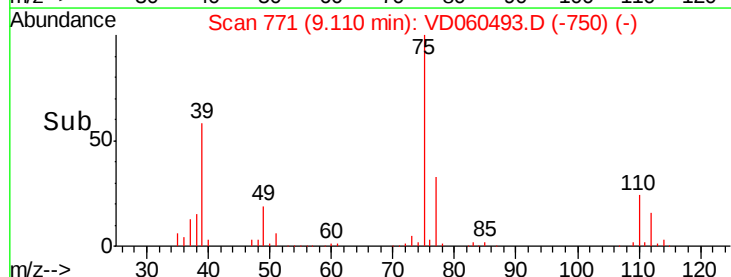
600000

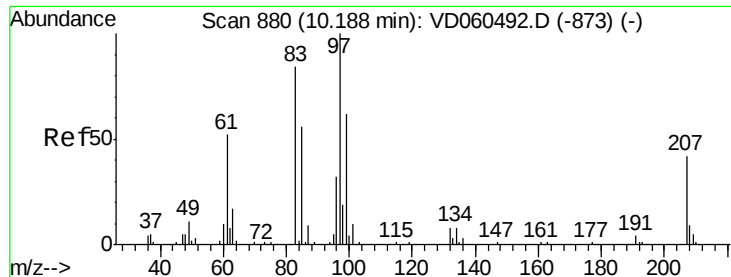
400000

200000

0

Time-->



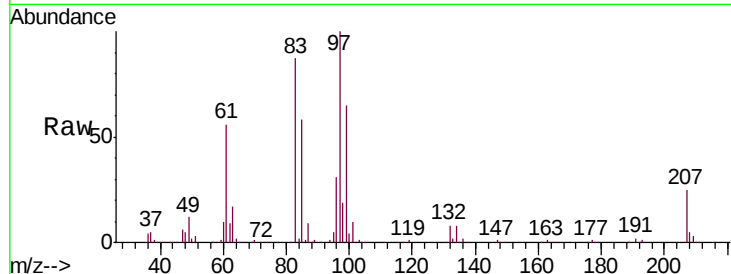


#55
 1,1,2-Trichloroethane
 Concen: 64.243 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

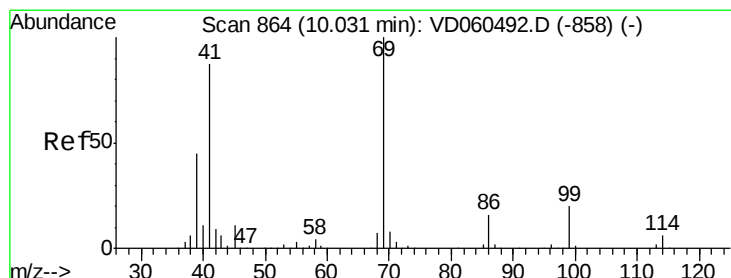
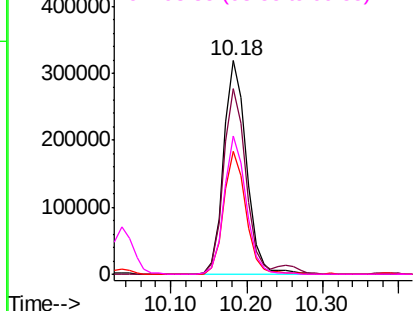
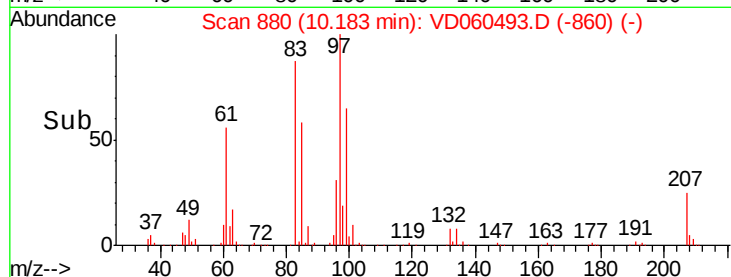
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion: 97 Resp: 667898

Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.2	100.8
85	57.6	44.5	66.7
99	64.6	49.3	73.9



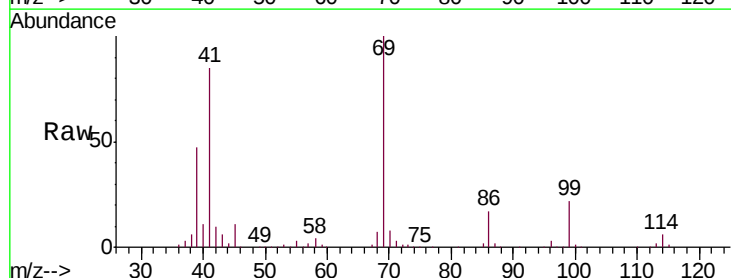
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



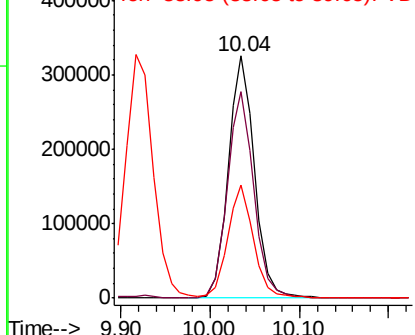
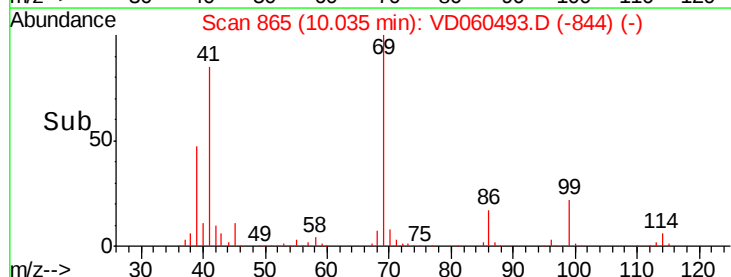
#56
 Ethyl methacrylate
 Concen: 70.541 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

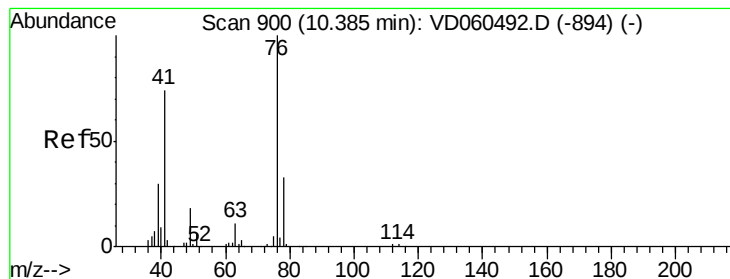
Tgt Ion: 69 Resp: 669678

Ion	Ratio	Lower	Upper
69	100		
41	85.5	69.8	104.8
39	46.7	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: 67.374 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

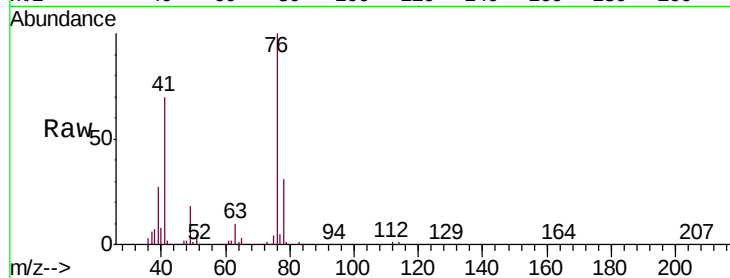
VSTDIC075

Tgt Ion: 76 Resp: 1063250

Ion Ratio Lower Upper

76 100

78 31.4 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

600000

500000

400000

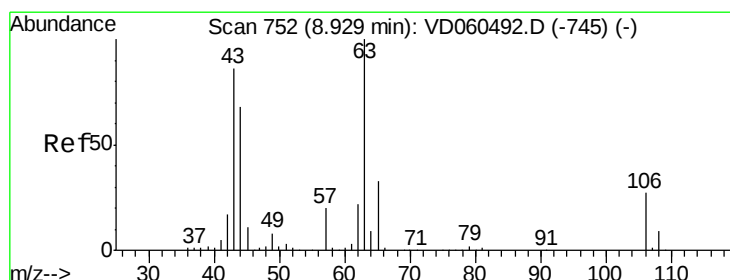
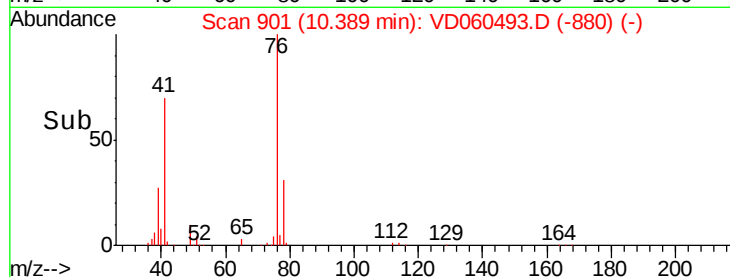
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 307.065 ug/l

RT: 8.93 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD060493.D

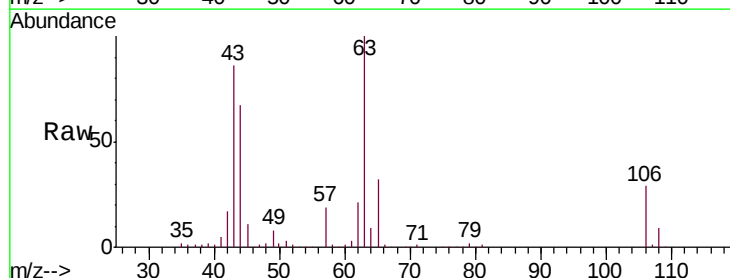
Acq: 5 Dec 2018 15:33

Tgt Ion: 63 Resp: 1754008

Ion Ratio Lower Upper

63 100

106 28.9 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.93

800000

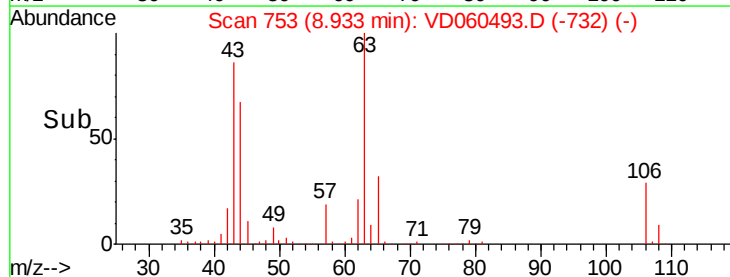
600000

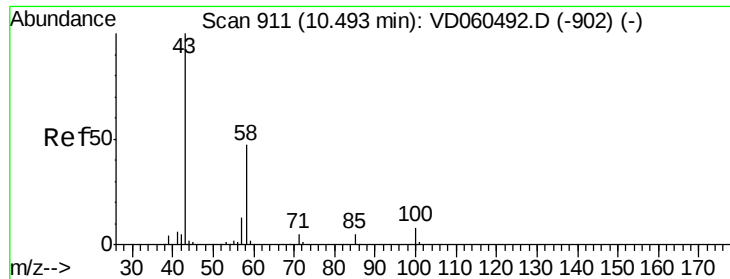
400000

200000

0

Time-->





#59

2-Hexanone

Concen: 317.038 ug/l

RT: 10.49 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

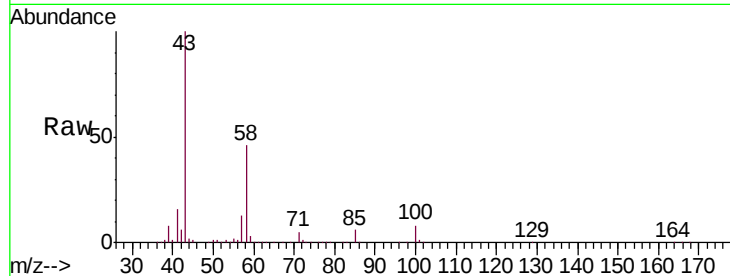
VSTDIC075

Tgt Ion: 43 Resp: 1847101

Ion Ratio Lower Upper

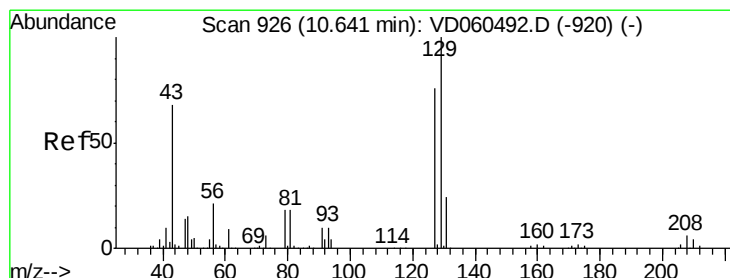
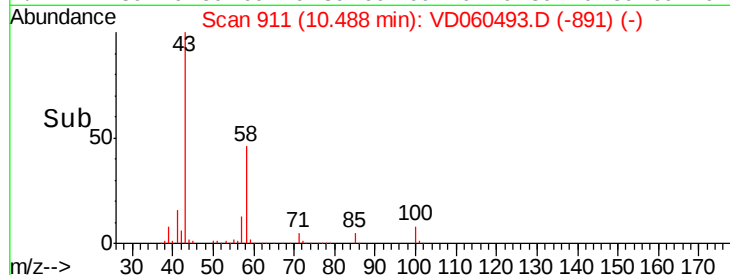
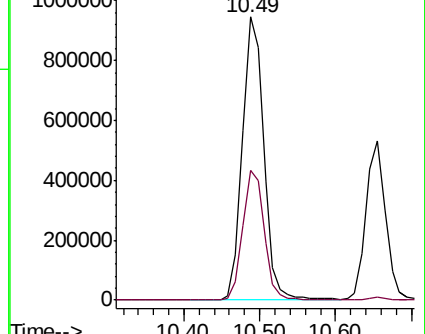
43 100

58 45.9 23.4 70.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 71.021 ug/l

RT: 10.65 min Scan# 927

Delta R.T. 0.00 min

Lab File: VD060493.D

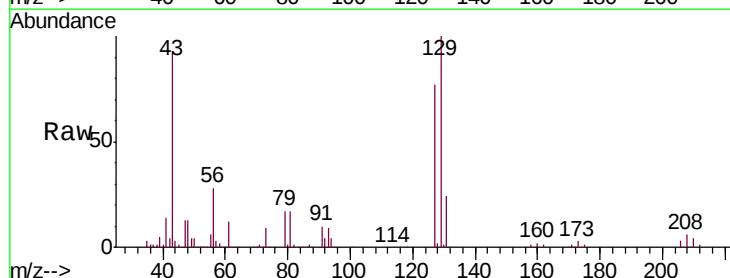
Acq: 5 Dec 2018 15:33

Tgt Ion: 129 Resp: 896045

Ion Ratio Lower Upper

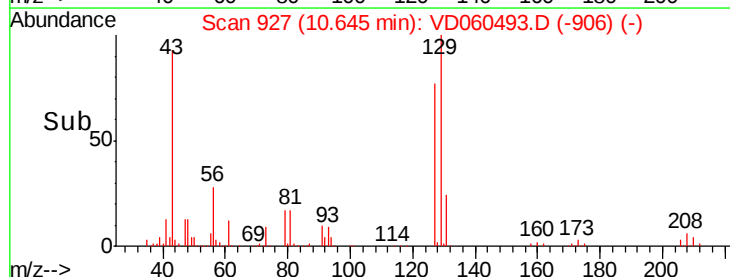
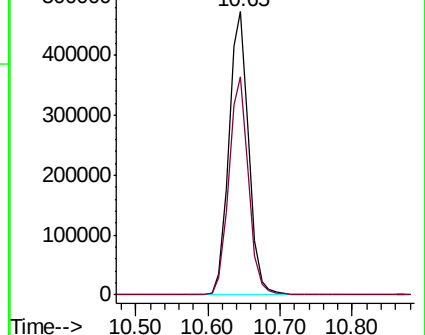
129 100

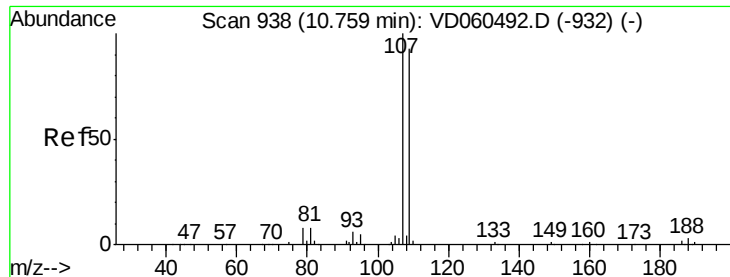
127 76.9 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 68.816 ug/l

RT: 10.76 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

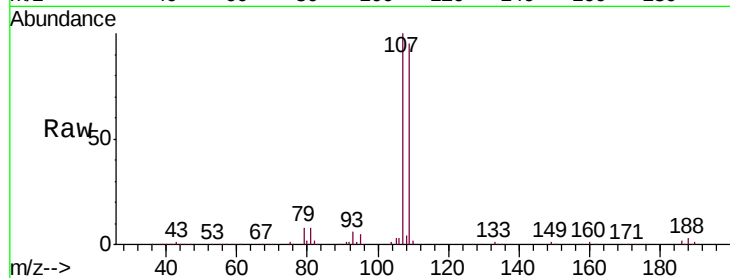
VSTDIC075

Tgt Ion: 107 Resp: 715739

Ion Ratio Lower Upper

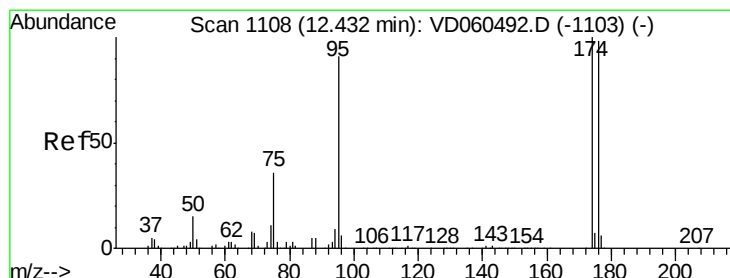
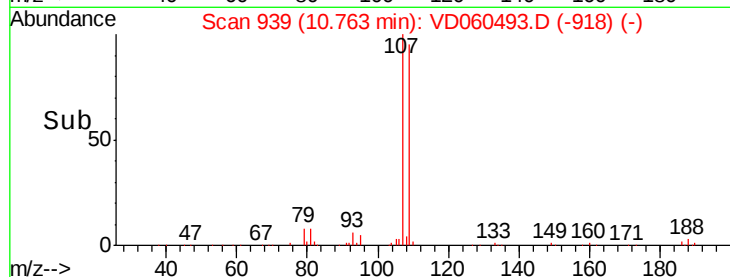
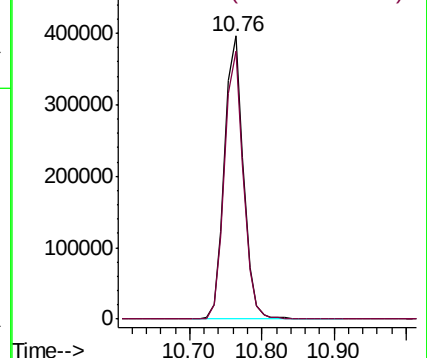
107 100

109 94.7 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 68.816 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

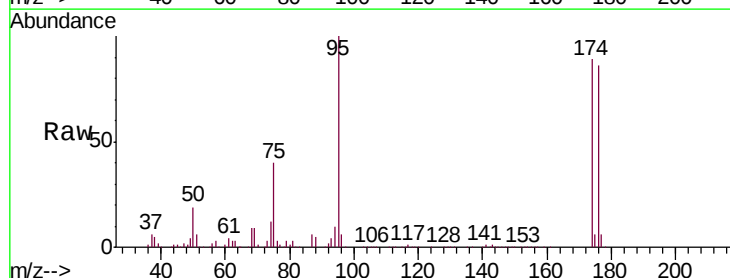
Tgt Ion: 95 Resp: 1188827

Ion Ratio Lower Upper

95 100

174 89.0 0.0 219.4

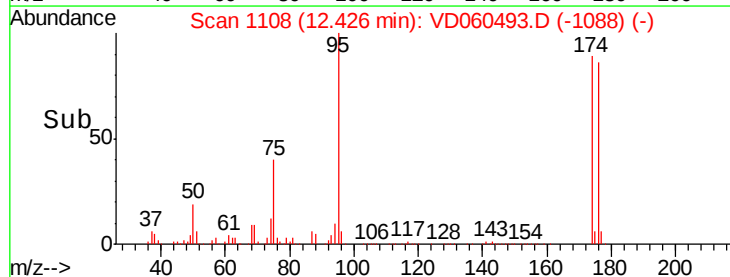
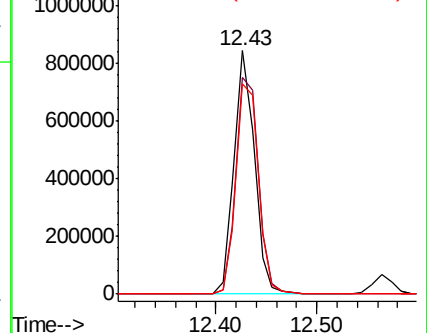
176 86.3 0.0 214.6

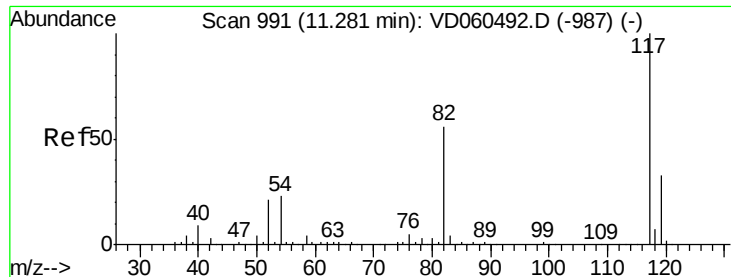


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

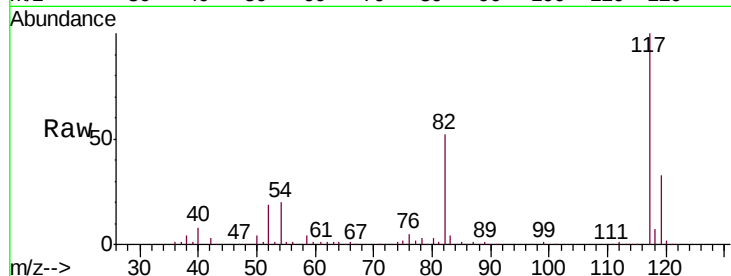




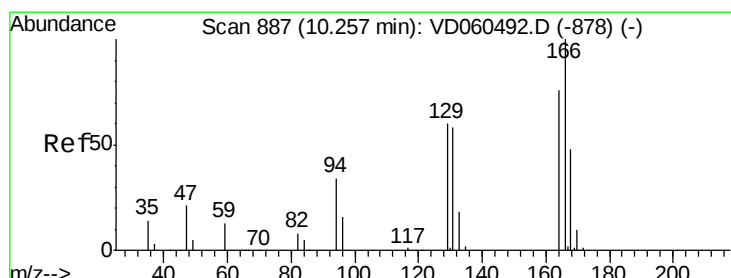
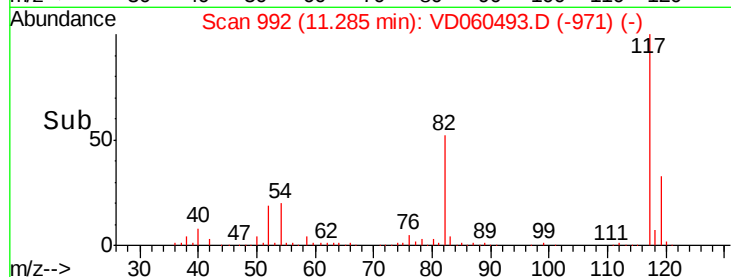
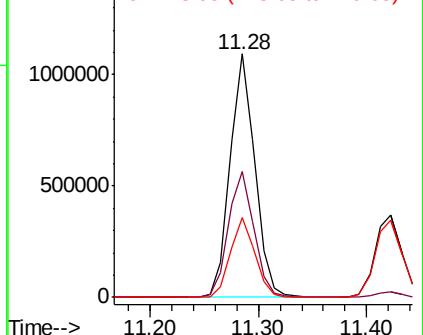
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:117 Resp: 1753872
Ion Ratio Lower Upper
117 100
82 51.9 45.2 67.8
119 32.5 26.1 39.1

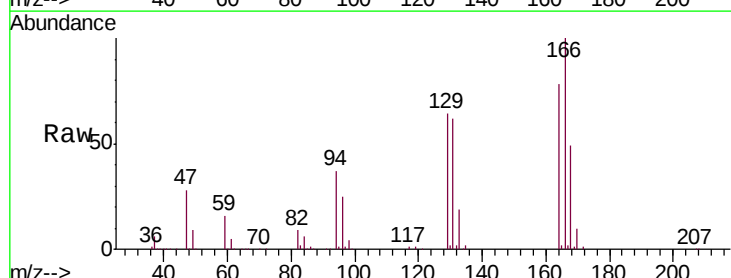


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

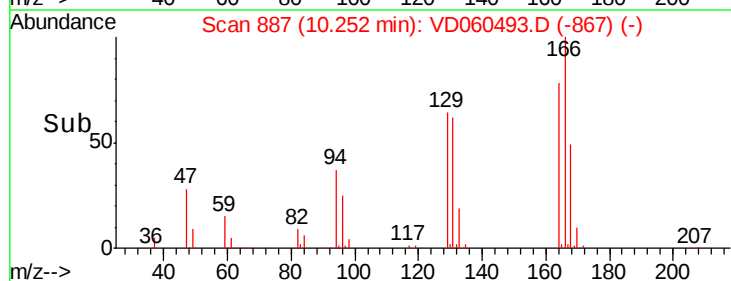
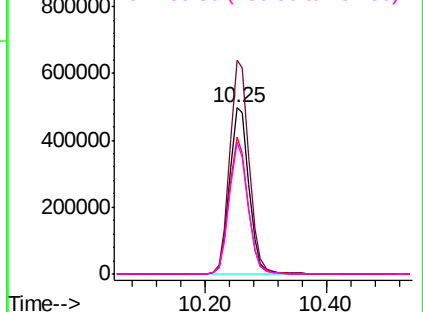


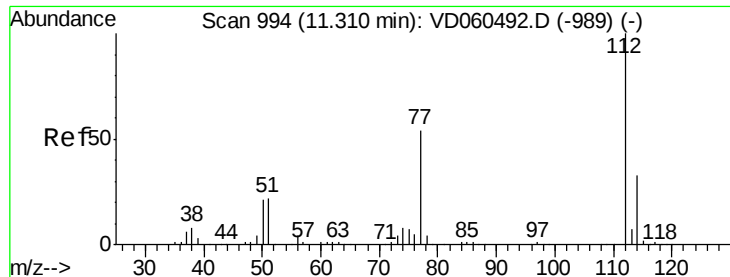
#64
Tetrachloroethene
Concen: 70.223 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Tgt Ion:164 Resp: 1102577
Ion Ratio Lower Upper
164 100
166 128.4 105.0 157.6
129 82.2 63.0 94.4
131 79.0 60.6 90.8



Abundance Ion 163.85 (163.55 to 164.55): V
1000000 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

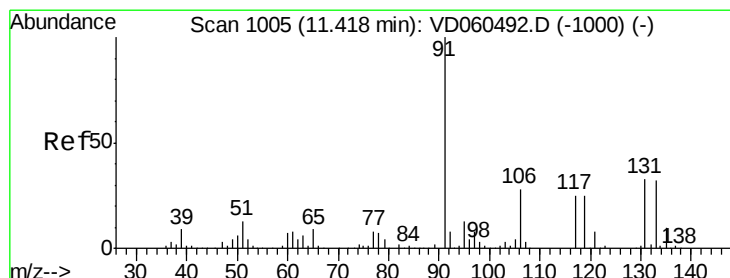
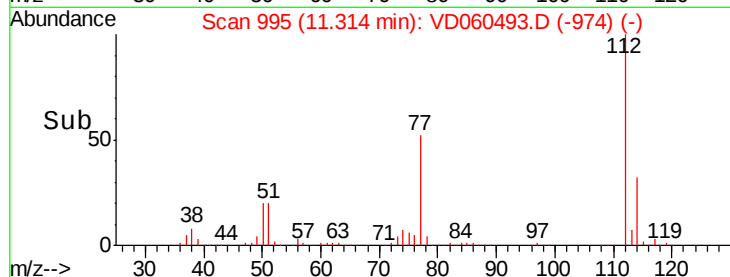
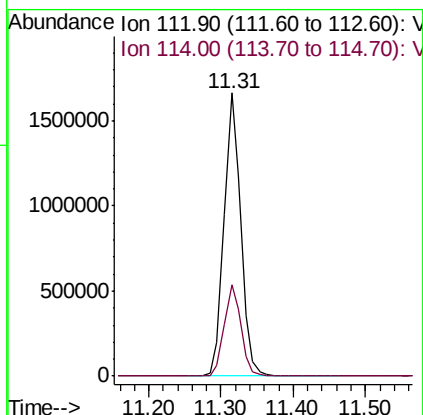
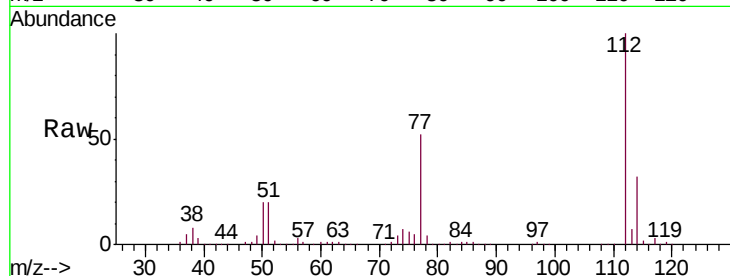




#65
Chlorobenzene
Concen: 70.166 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.00 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

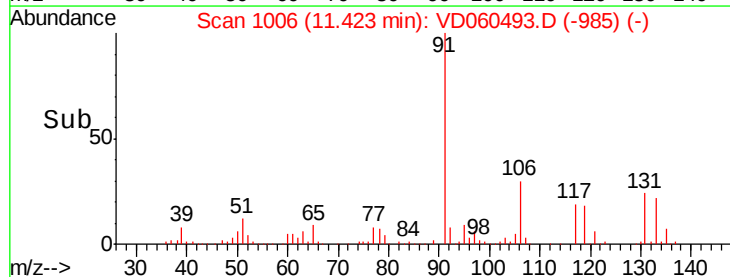
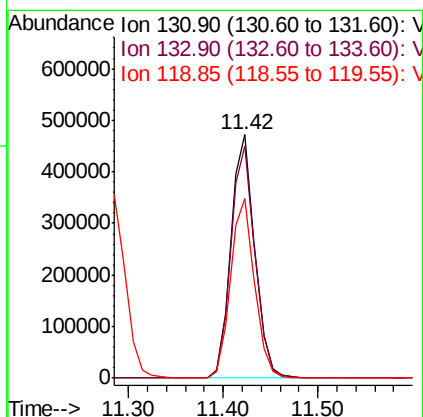
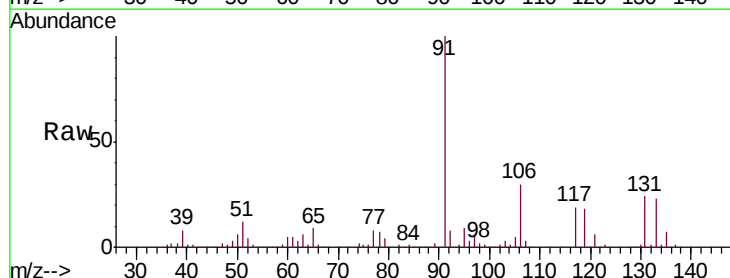
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:112 Resp: 2658568
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 66.174 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Tgt Ion:131 Resp: 819949
Ion Ratio Lower Upper
131 100
133 95.1 49.1 147.3
119 74.0 37.5 112.3

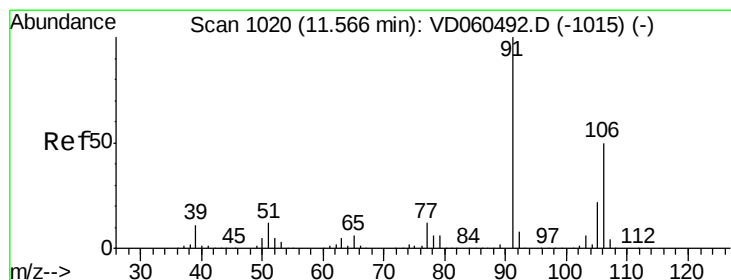
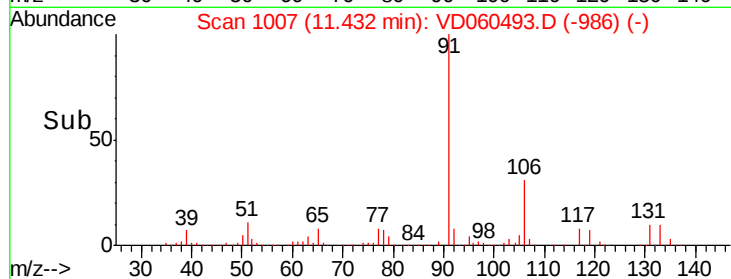
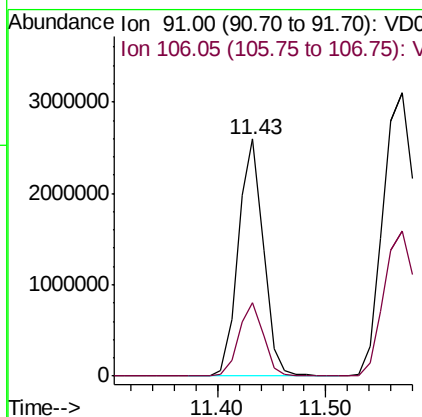
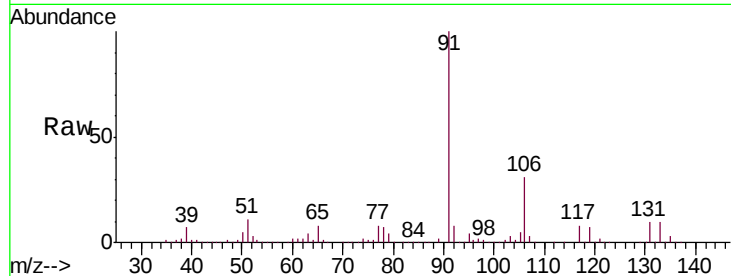




#67
 Ethyl Benzene
 Concen: 64.152 ug/l
 RT: 11.43 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

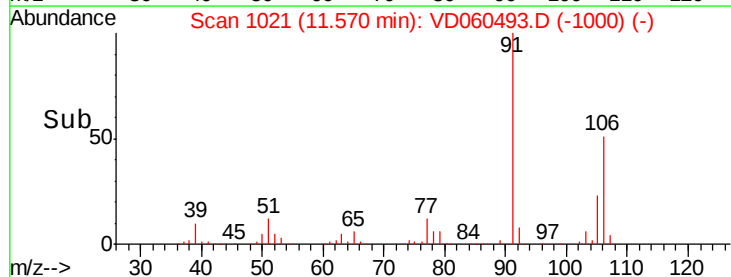
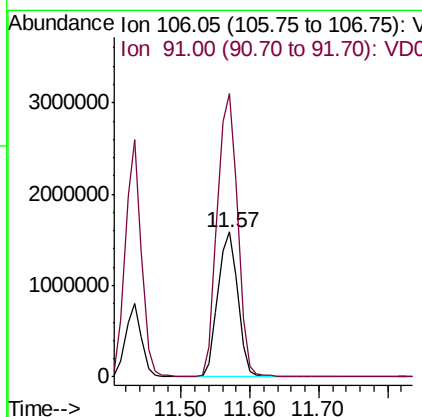
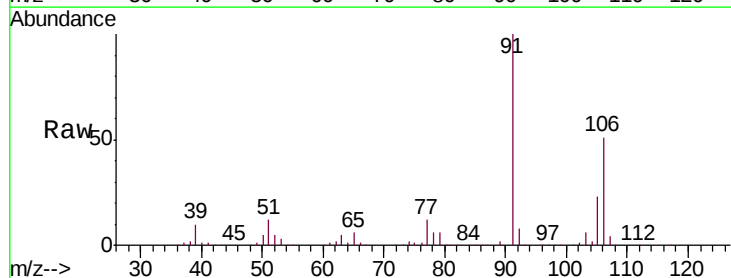
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

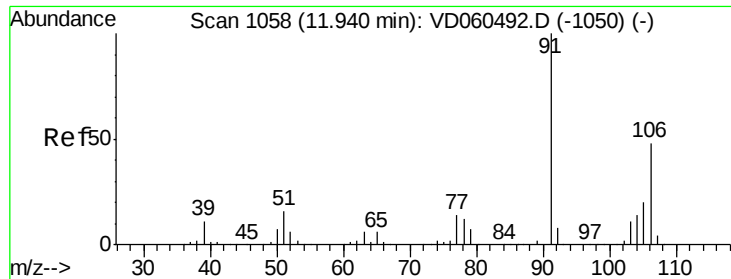
Tgt Ion: 91 Resp: 4173265
 Ion Ratio Lower Upper
 91 100
 106 30.8 24.6 37.0



#68
 m/p-Xylenes
 Concen: 132.659 ug/l
 RT: 11.57 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Tgt Ion: 106 Resp: 3175411
 Ion Ratio Lower Upper
 106 100
 91 195.1 160.5 240.7

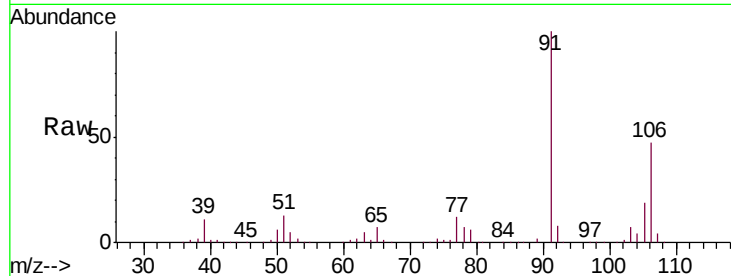




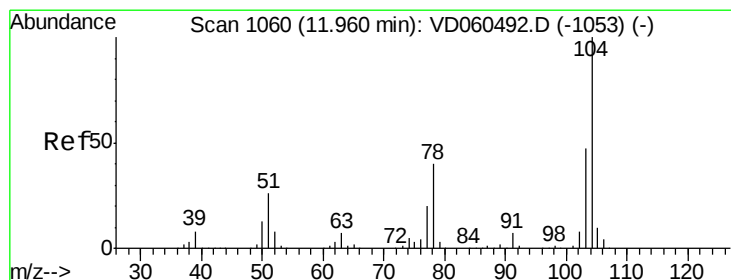
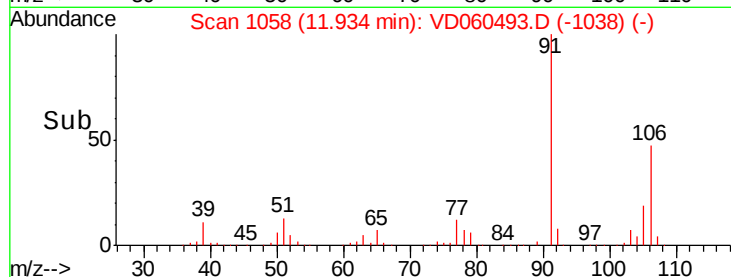
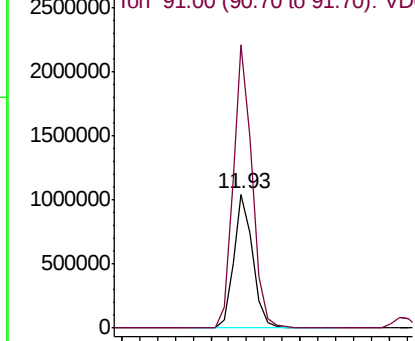
#69
o-Xylene
Concen: 67.882 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:106 Resp: 1568222
Ion Ratio Lower Upper
106 100
91 211.3 103.4 310.1

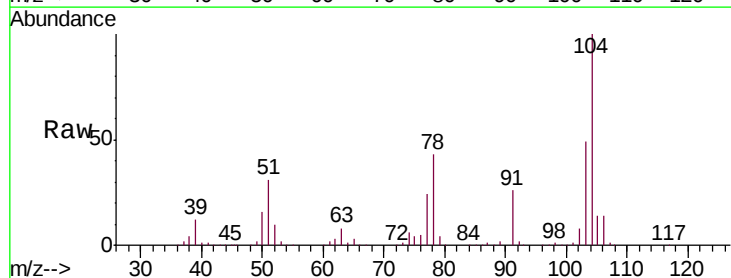


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

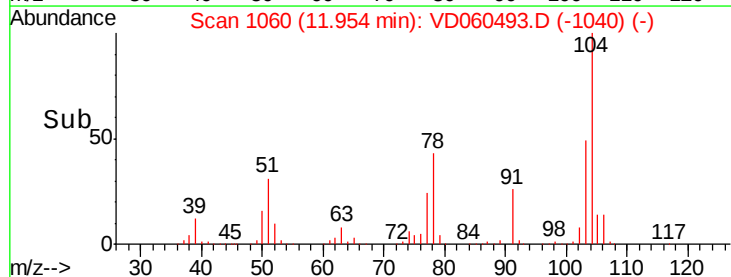
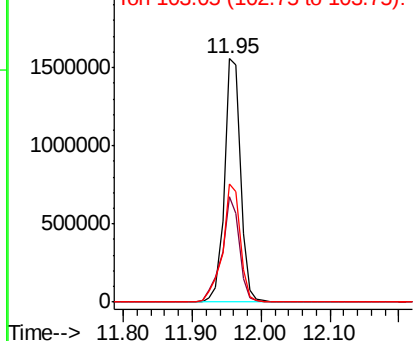


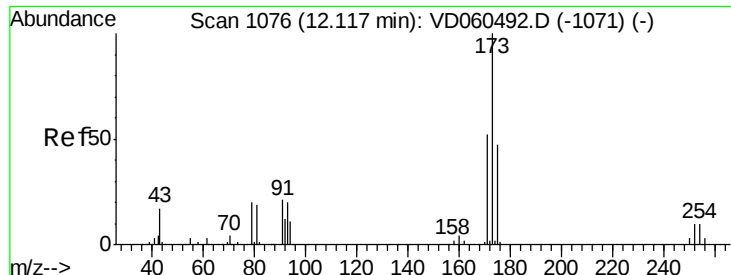
#70
Styrene
Concen: 67.340 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Tgt Ion:104 Resp: 2527148
Ion Ratio Lower Upper
104 100
78 43.2 32.1 48.1
103 48.5 37.2 55.8



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





#71

Bromoform

Concen: 71.269 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

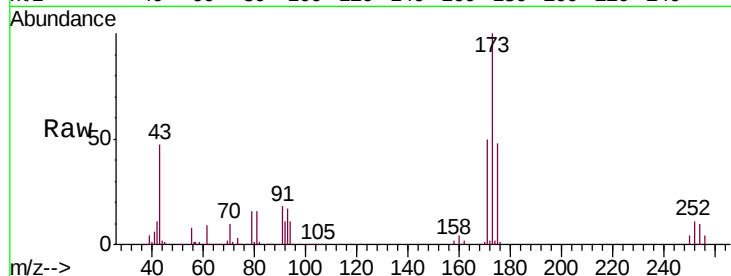
Tgt Ion:173 Resp: 595356

Ion Ratio Lower Upper

173 100

175 47.9 23.5 70.6

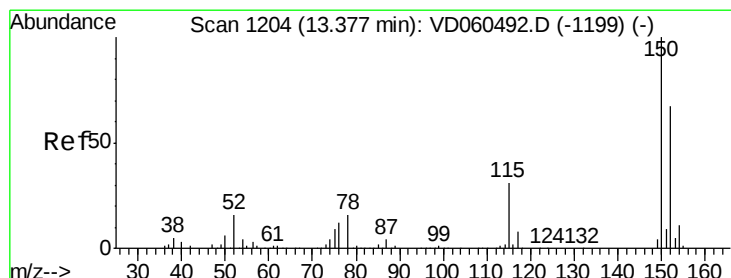
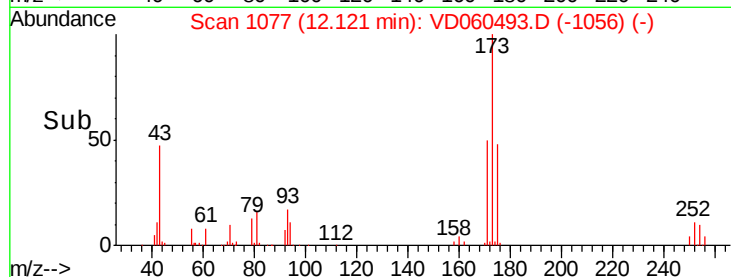
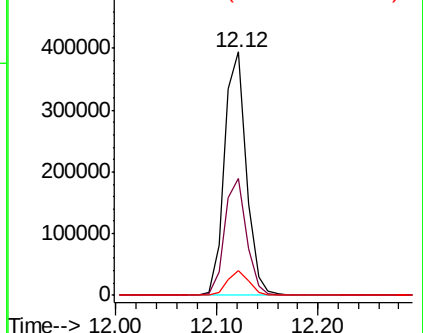
254 10.4 7.8 11.8



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. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

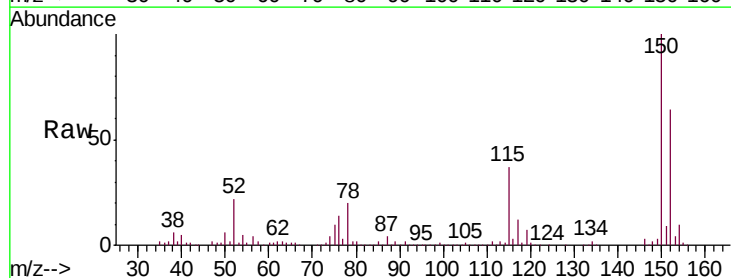
Tgt Ion:152 Resp: 870571

Ion Ratio Lower Upper

152 100

115 56.8 24.6 74.0

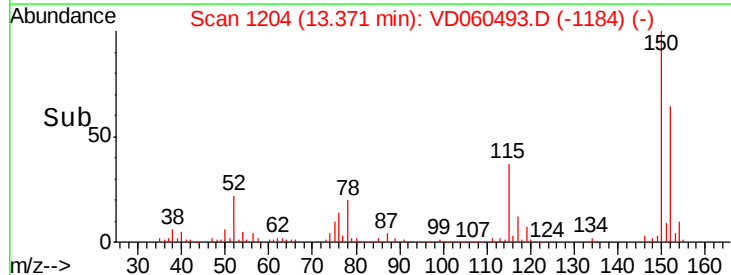
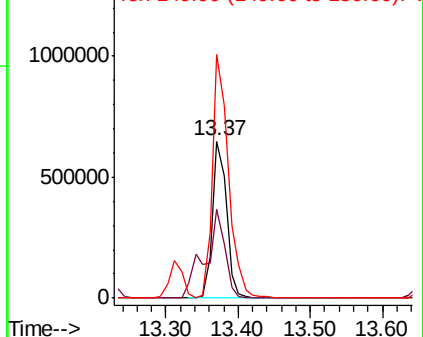
150 155.1 0.0 309.0

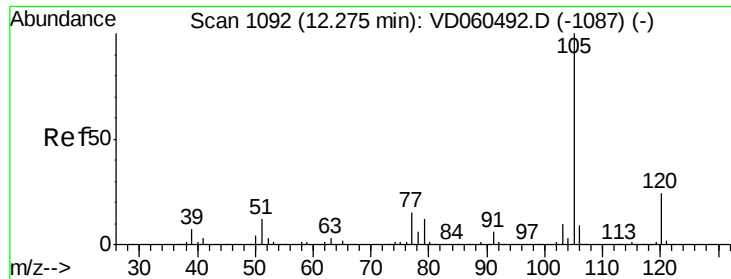


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 64.843 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

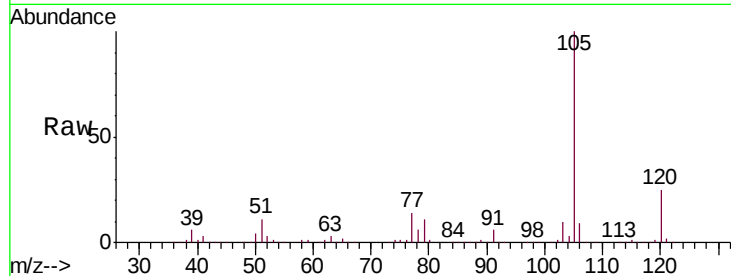
VSTDIC075

Tgt Ion:105 Resp: 4126956

Ion Ratio Lower Upper

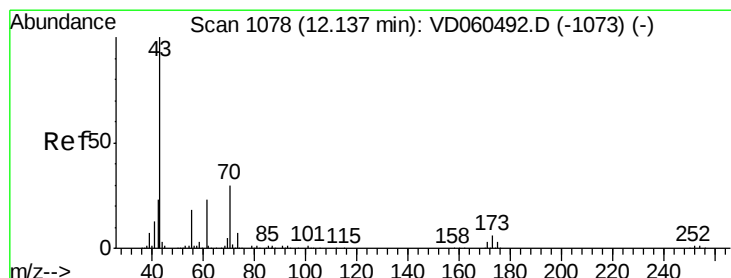
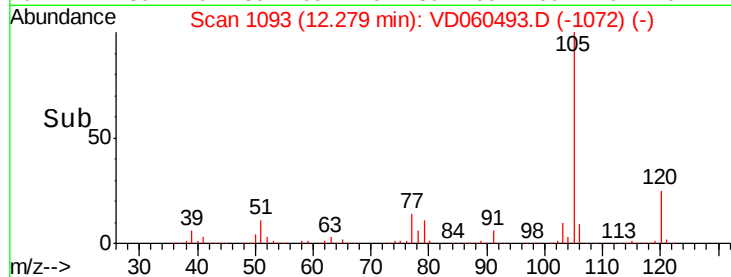
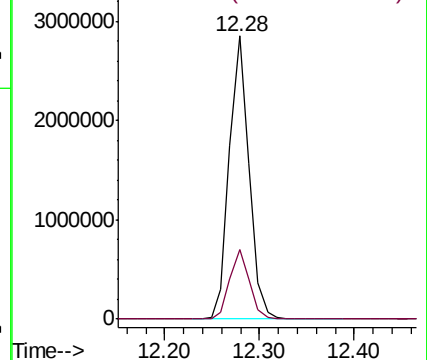
105 100

120 24.6 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: 67.948 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Tgt Ion: 43 Resp: 1102283

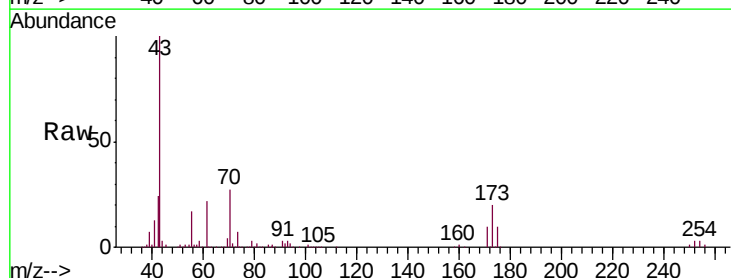
Ion Ratio Lower Upper

43 100

70 27.2 23.8 35.8

55 16.9 14.2 21.2

61 21.9 18.1 27.1

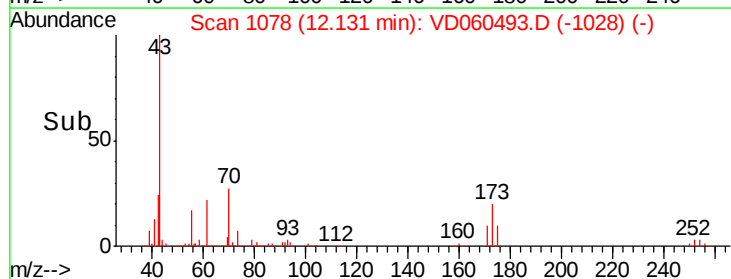
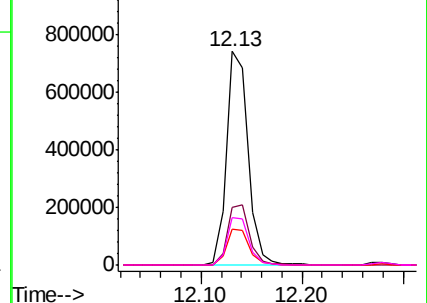


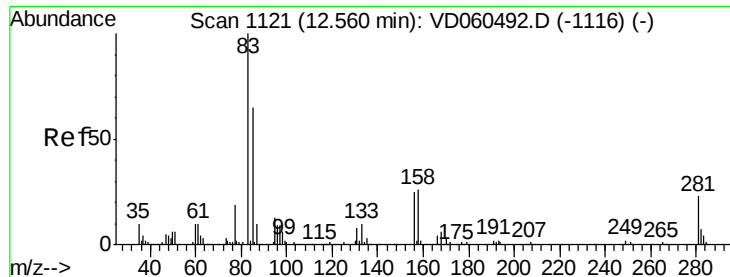
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 67.088 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

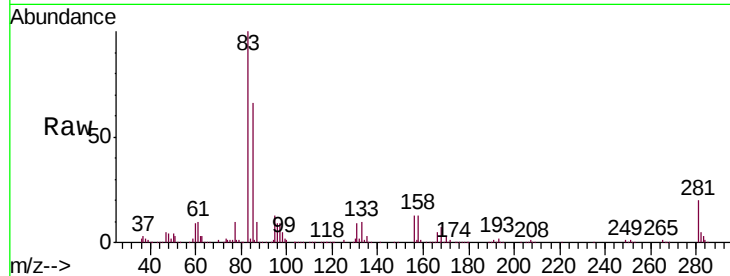
Tgt Ion: 83 Resp: 691085

Ion Ratio Lower Upper

83 100

131 8.6 3.8 11.4

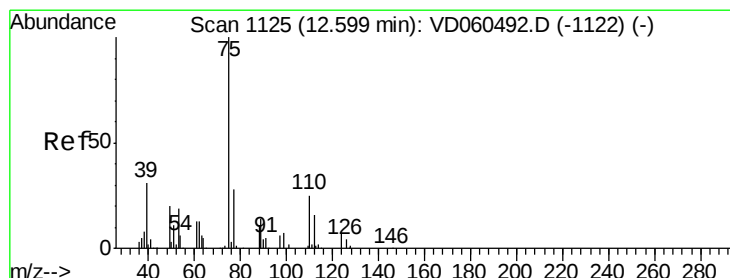
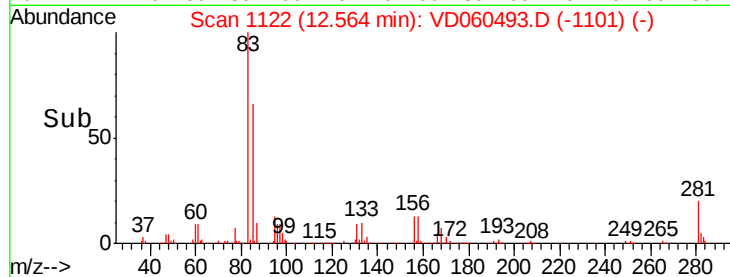
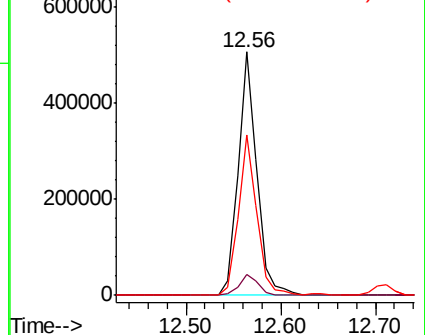
85 66.1 32.3 96.9



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: 66.046 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060493.D

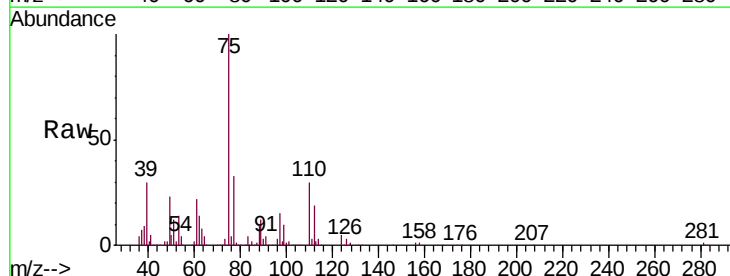
Acq: 5 Dec 2018 15:33

Tgt Ion: 75 Resp: 684915

Ion Ratio Lower Upper

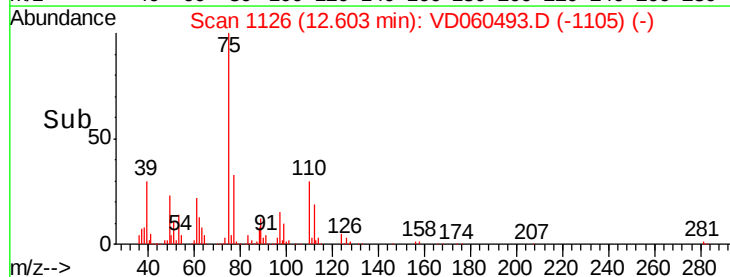
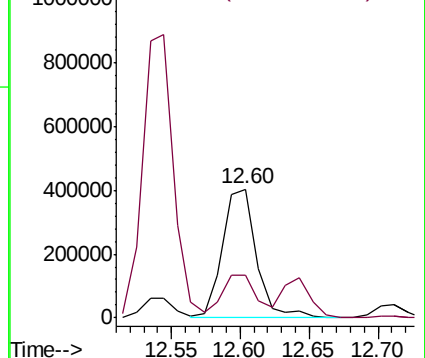
75 100

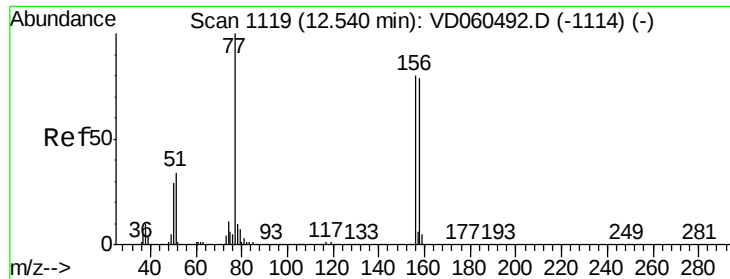
77 32.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 66.855 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

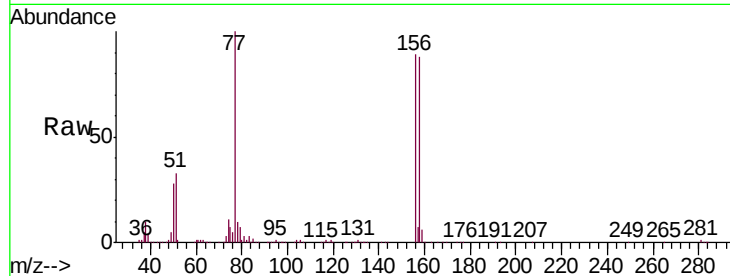
Tgt Ion:156 Resp: 1124989

Ion Ratio Lower Upper

156 100

77 112.3 62.5 187.6

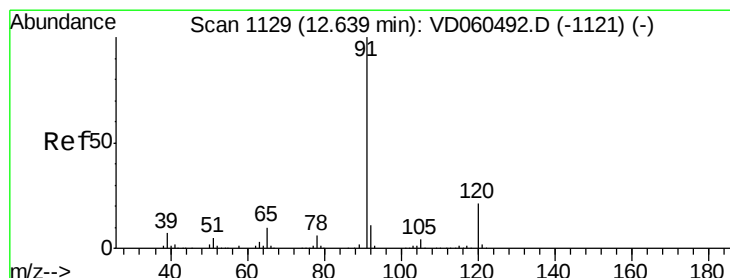
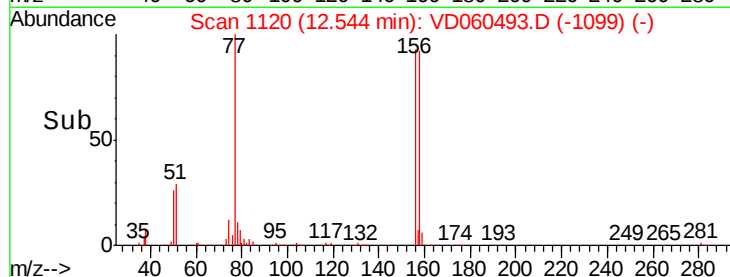
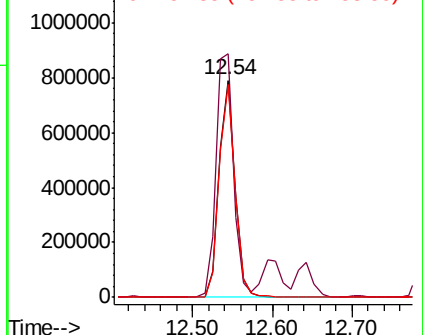
158 98.4 49.4 148.2



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: 64.985 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060493.D

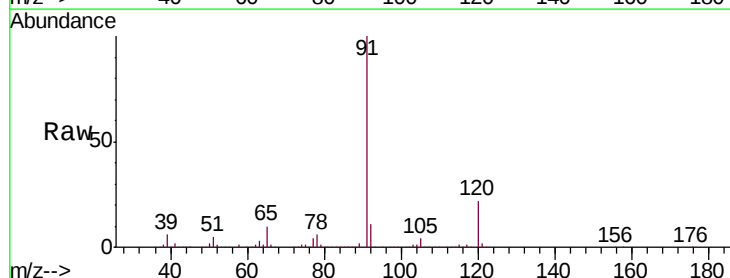
Acq: 5 Dec 2018 15:33

Tgt Ion: 91 Resp: 5129150

Ion Ratio Lower Upper

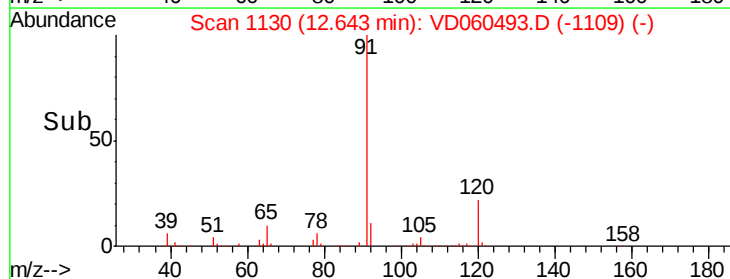
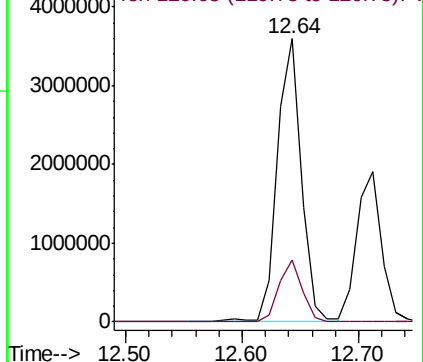
91 100

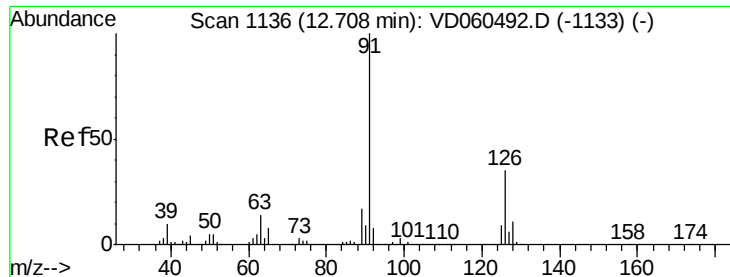
120 22.0 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 64.471 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

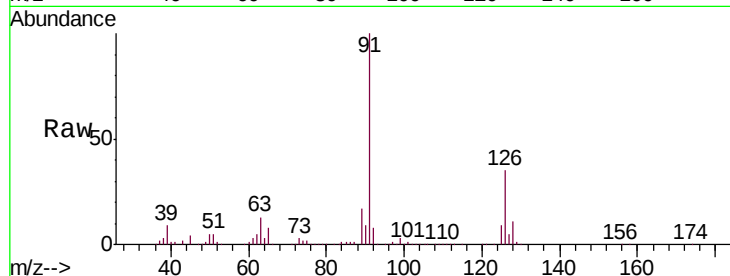
VSTDIC075

Tgt Ion: 91 Resp: 2801138

Ion Ratio Lower Upper

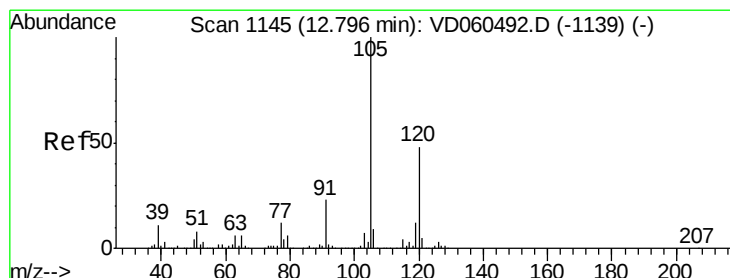
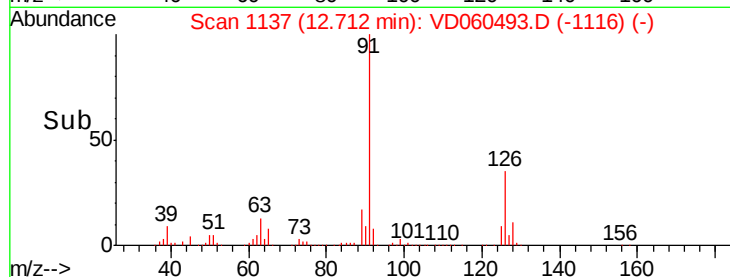
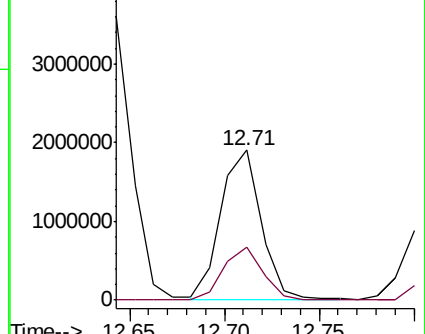
91 100

126 35.5 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 62.736 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060493.D

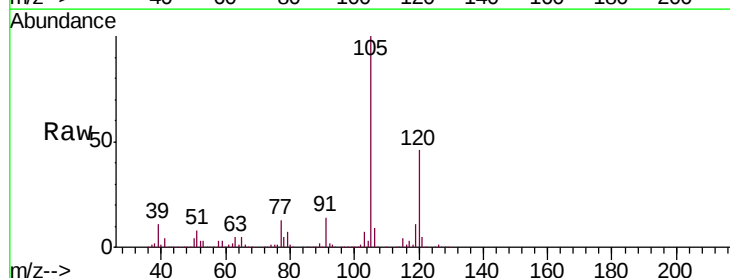
Acq: 5 Dec 2018 15:33

Tgt Ion: 105 Resp: 3077460

Ion Ratio Lower Upper

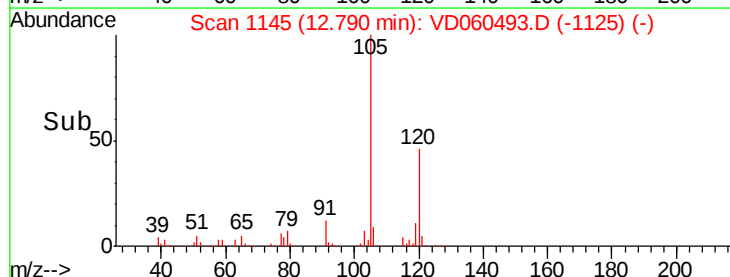
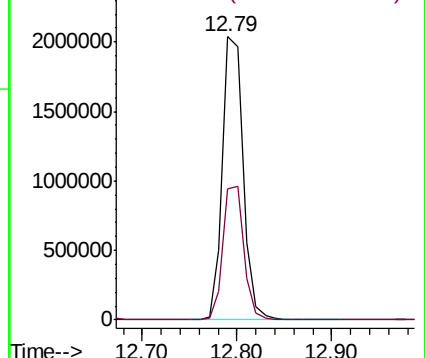
105 100

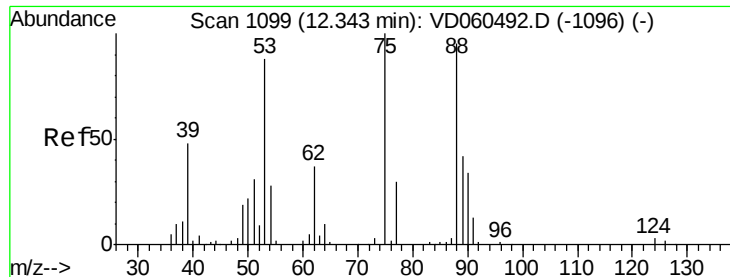
120 46.1 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 68.123 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VD060493.D

Acq: 5 Dec 2018 15:33

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

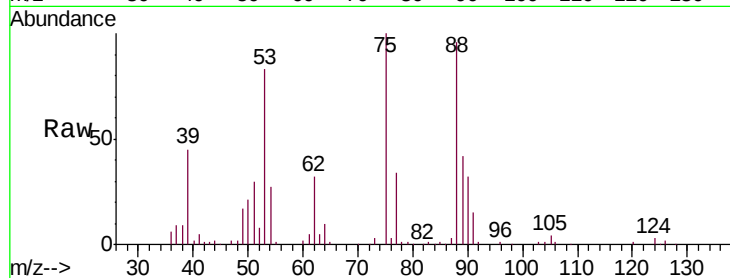
Tgt Ion: 75 Resp: 201252

Ion Ratio Lower Upper

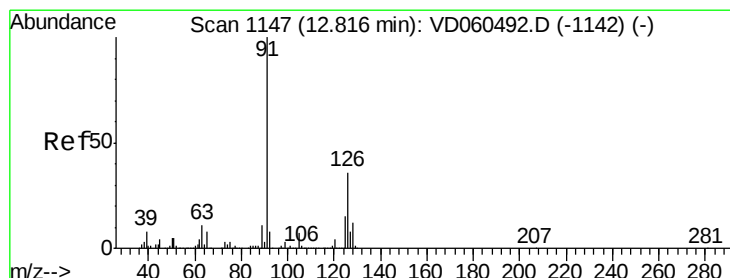
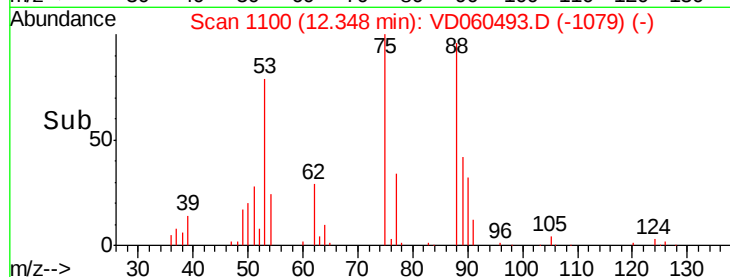
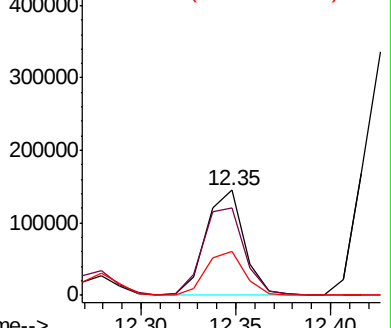
75 100

53 82.8 70.5 105.7

89 41.6 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



#82

4-Chlorotoluene

Concen: 63.976 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060493.D

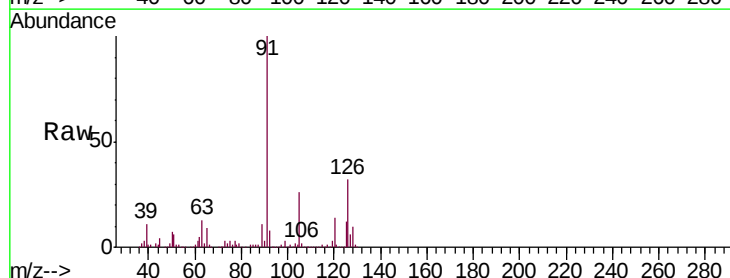
Acq: 5 Dec 2018 15:33

Tgt Ion: 91 Resp: 3110910

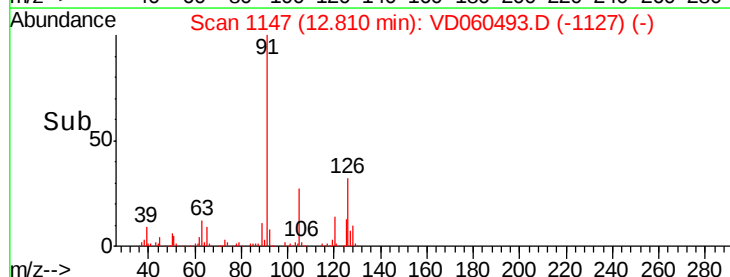
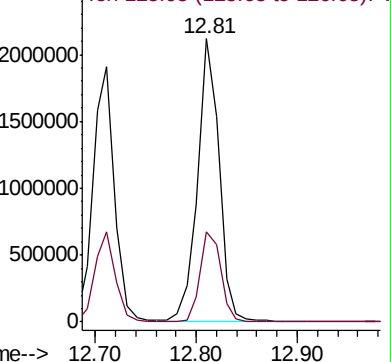
Ion Ratio Lower Upper

91 100

126 31.7 17.8 53.4



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

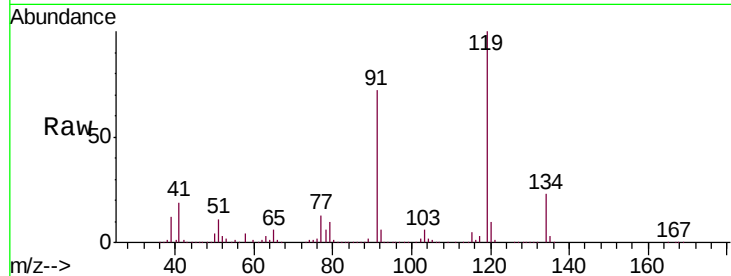




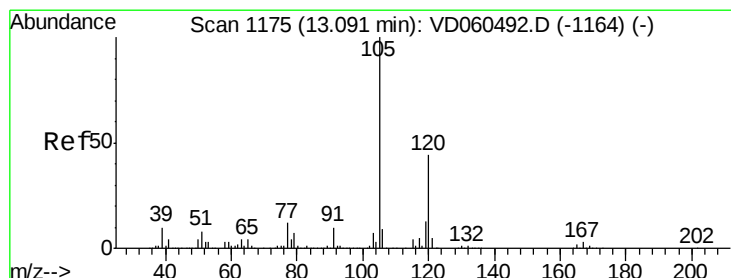
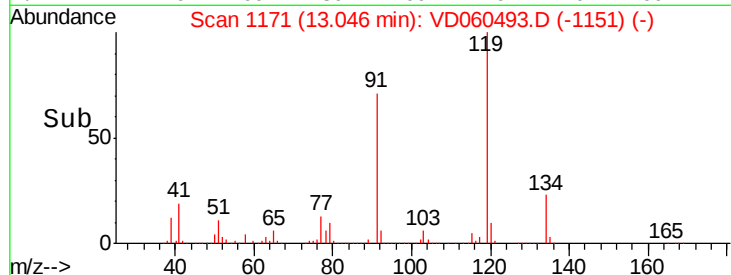
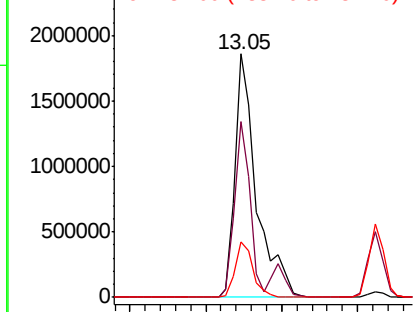
#83
 tert-Butylbenzene
 Concen: 65.991 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:119 Resp: 3603941
 Ion Ratio Lower Upper
 119 100
 91 72.1 33.1 99.2
 134 22.8 12.0 36.0

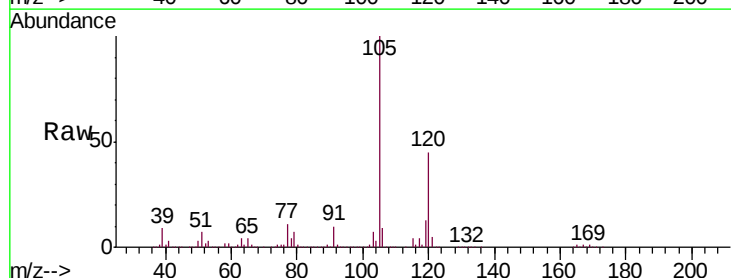


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

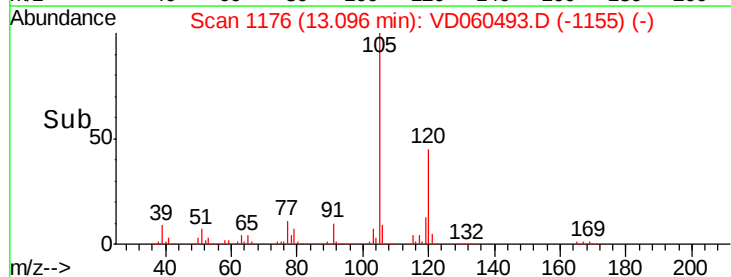
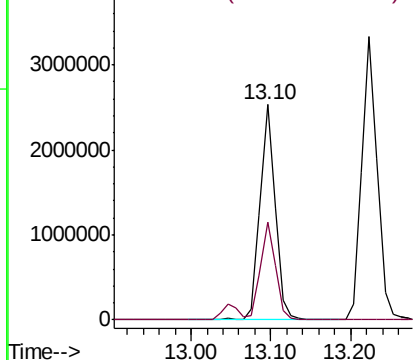


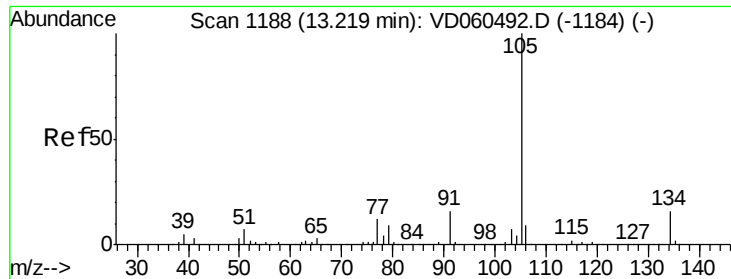
#84
 1,2,4-Trimethylbenzene
 Concen: 66.627 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Tgt Ion:105 Resp: 3274379
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.8



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

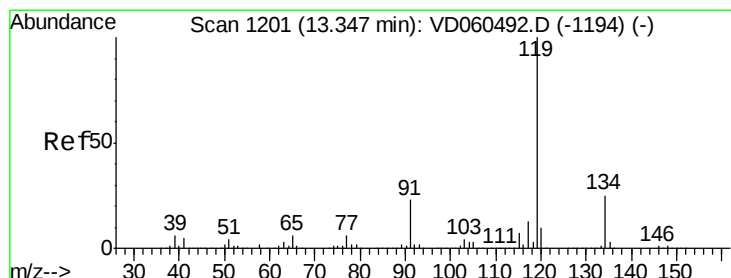
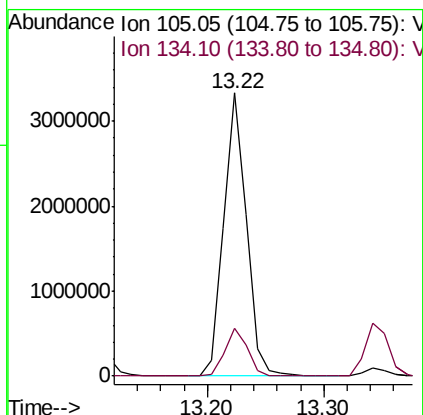
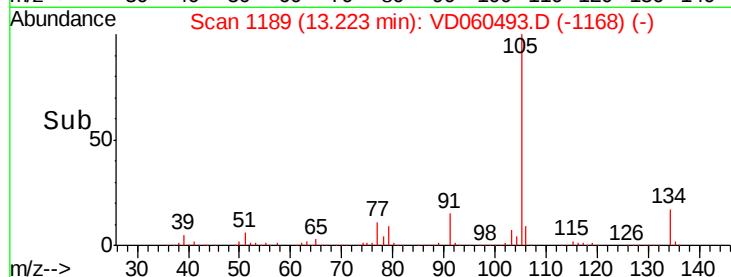
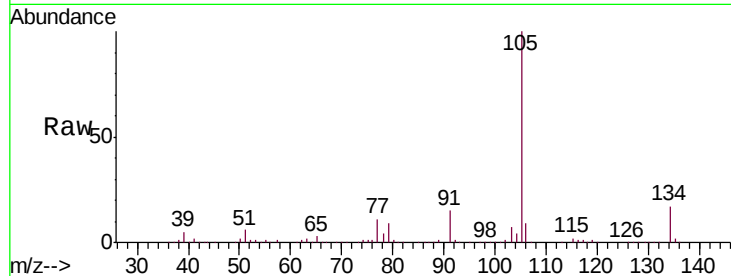




#85
 sec-Butylbenzene
 Concen: 67.056 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

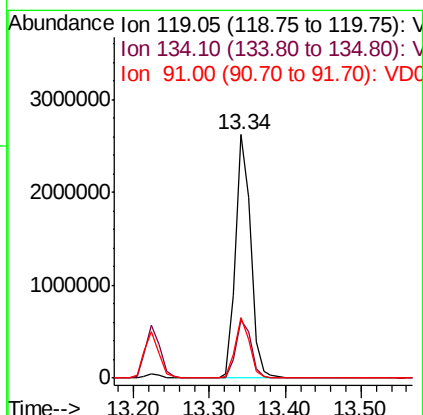
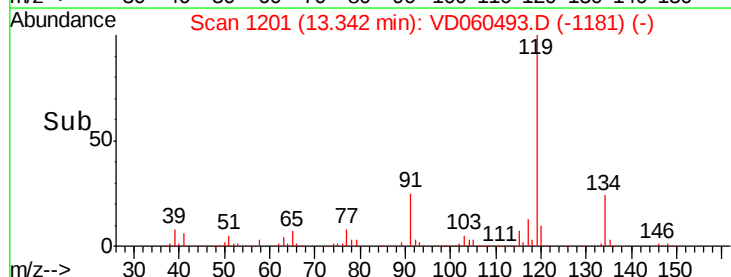
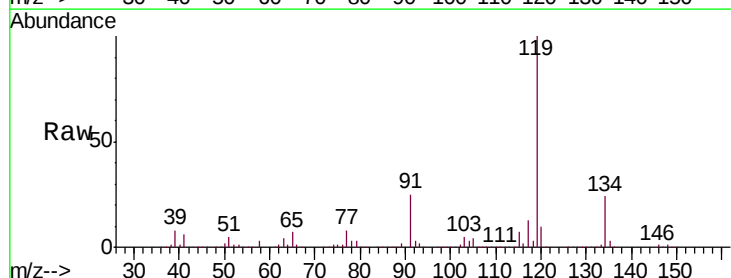
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

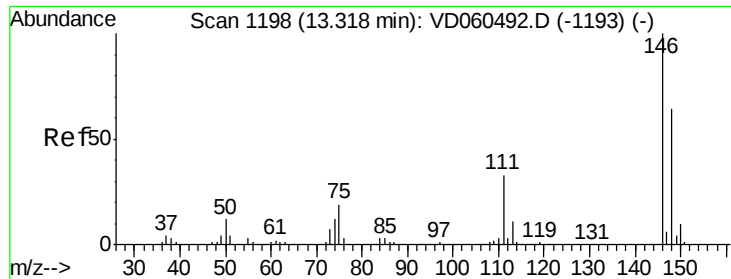
Tgt Ion:105 Resp: 4471295
 Ion Ratio Lower Upper
 105 100
 134 16.9 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 66.394 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Tgt Ion:119 Resp: 3559764
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.5 37.5
 91 25.1 11.5 34.4

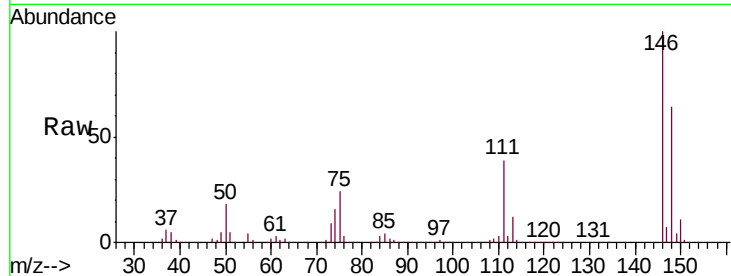




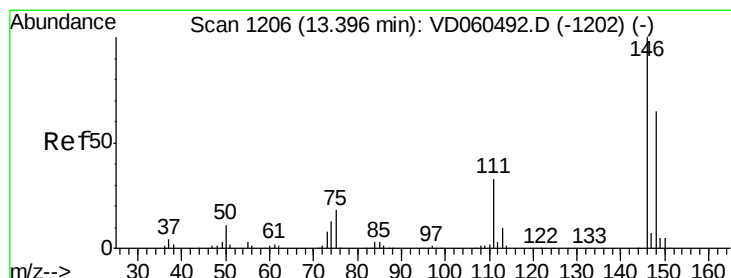
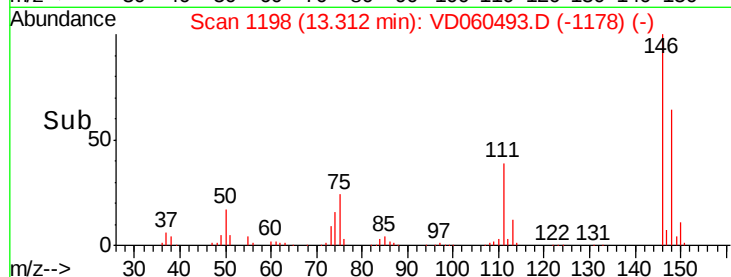
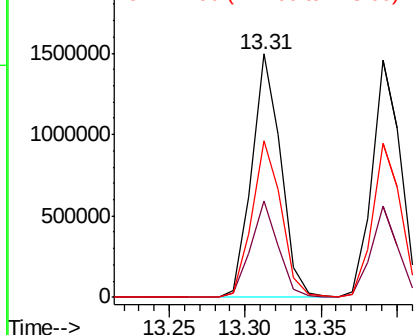
#87
 1,3-Dichlorobenzene
 Concen: 66.765 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:146 Resp: 1996863
 Ion Ratio Lower Upper
 146 100
 111 39.4 16.5 49.5
 148 64.2 32.3 96.8

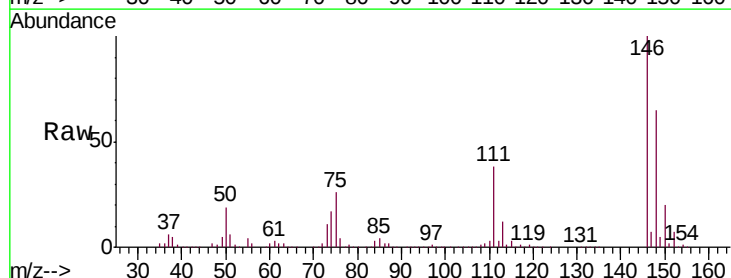


Abundance Ion 145.95 (145.65 to 146.65): V
 2000000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

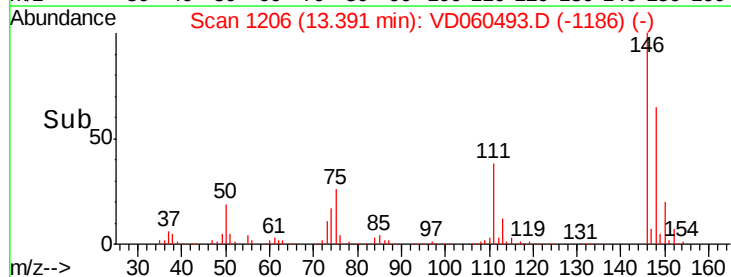
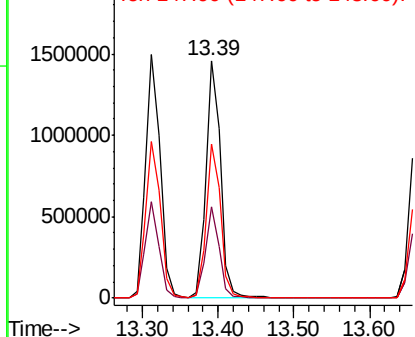


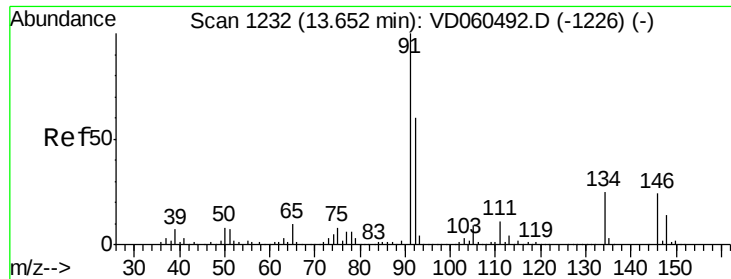
#88
 1,4-Dichlorobenzene
 Concen: 67.029 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Tgt Ion:146 Resp: 1954071
 Ion Ratio Lower Upper
 146 100
 111 38.2 16.4 49.1
 148 65.0 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V
 2000000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

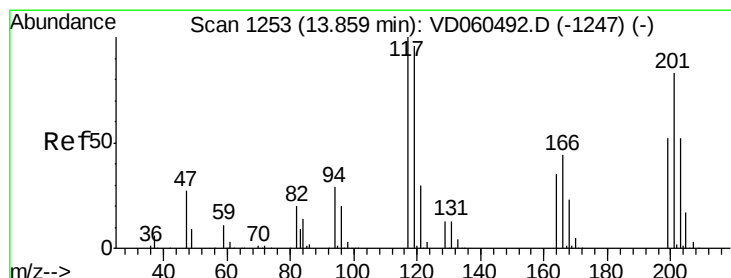
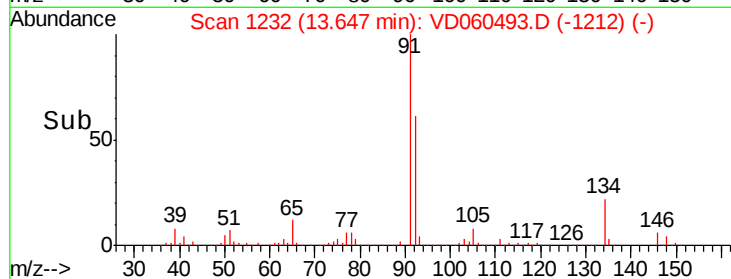
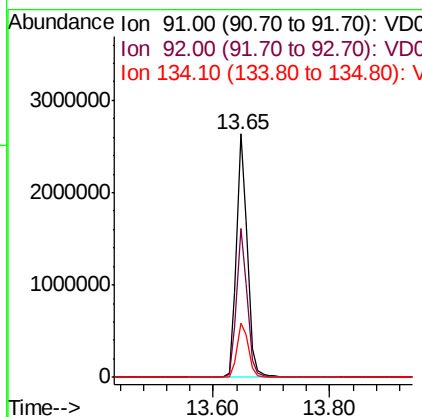
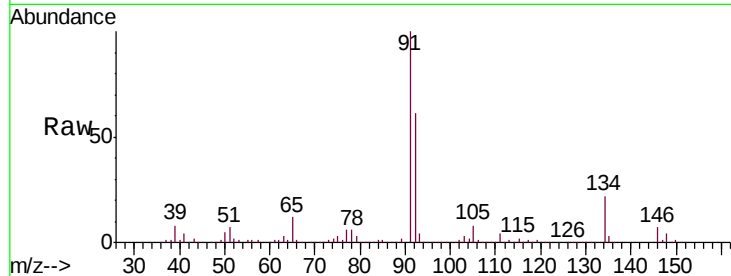




#89
n-Butylbenzene
Concen: 62.131 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

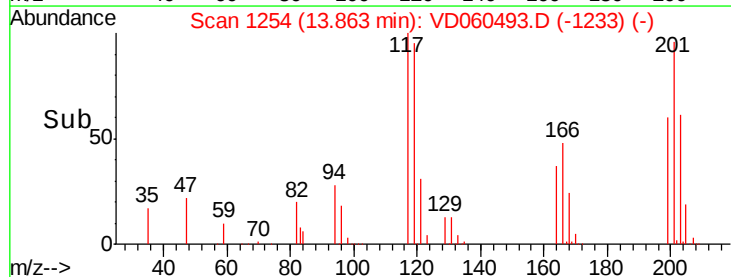
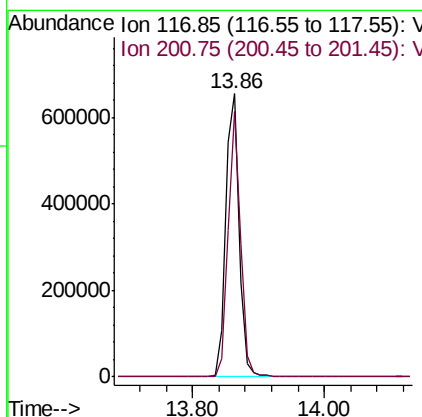
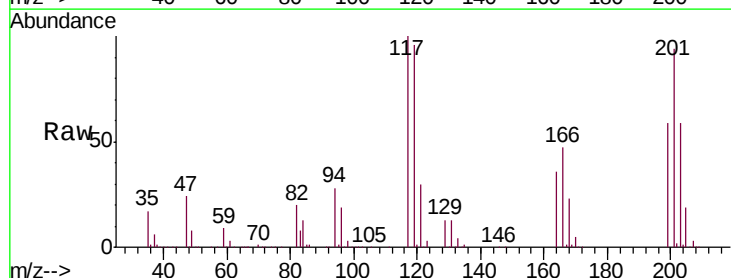
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

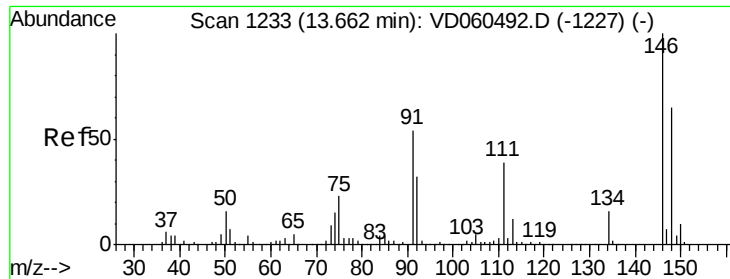
Tgt Ion: 91 Resp: 3409045
Ion Ratio Lower Upper
91 100
92 61.3 30.0 90.1
134 22.5 12.5 37.5



#90
Hexachloroethane
Concen: 72.568 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Tgt Ion: 117 Resp: 936019
Ion Ratio Lower Upper
117 100
201 93.7 41.3 123.9

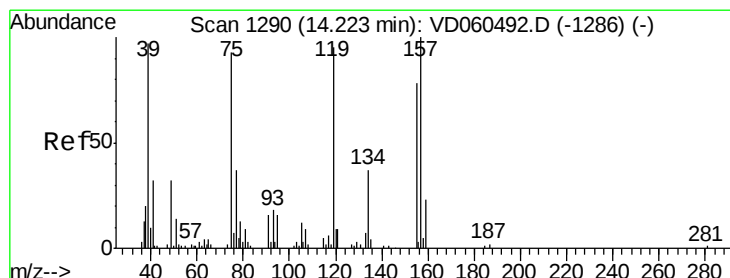
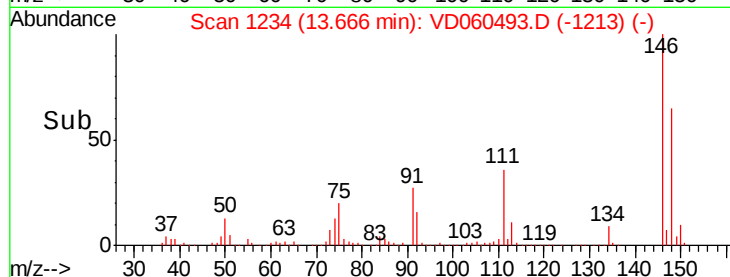
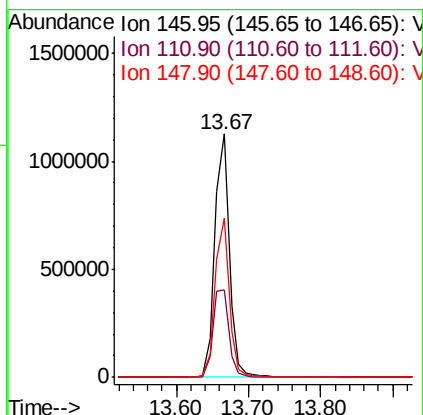
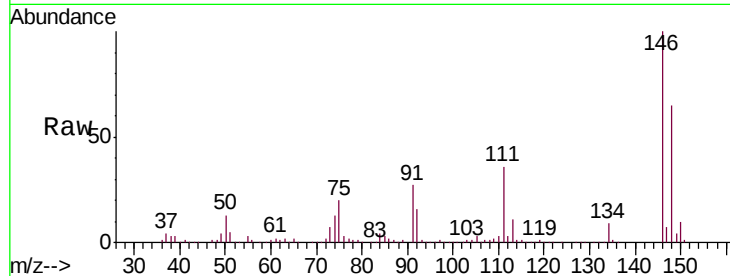




#91
 1,2-Dichlorobenzene
 Concen: 62.685 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

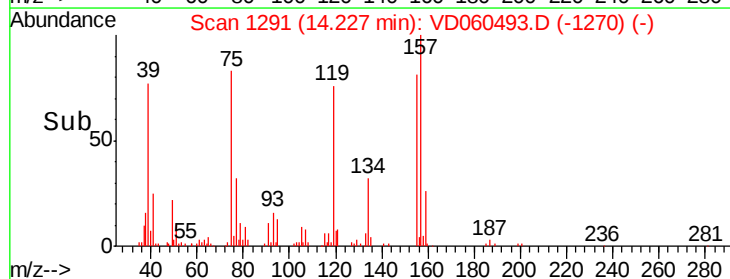
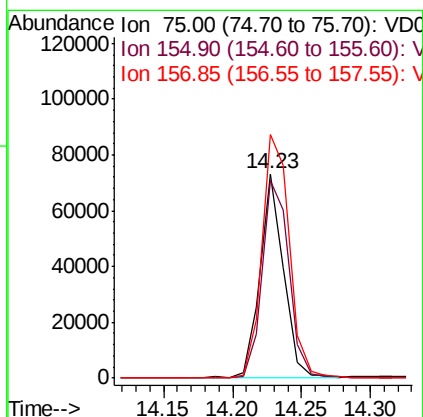
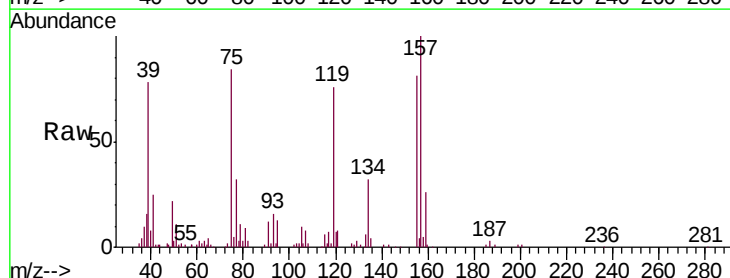
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

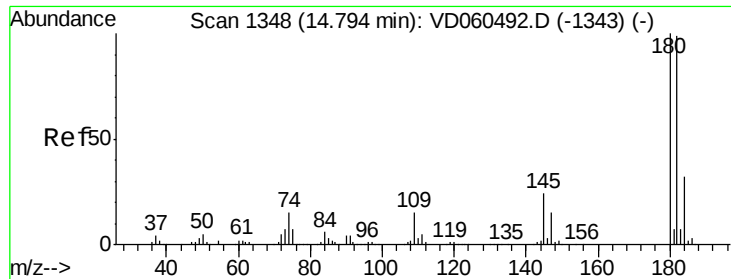
Tgt Ion:146 Resp: 1536757
 Ion Ratio Lower Upper
 146 100
 111 36.0 19.3 57.8
 148 65.2 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 71.066 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Tgt Ion: 75 Resp: 88099
 Ion Ratio Lower Upper
 75 100
 155 97.0 41.6 124.9
 157 119.3 53.6 160.8

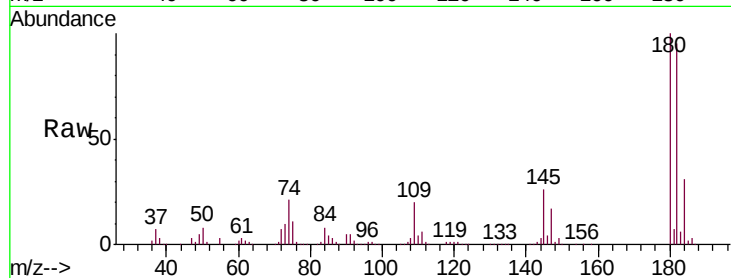




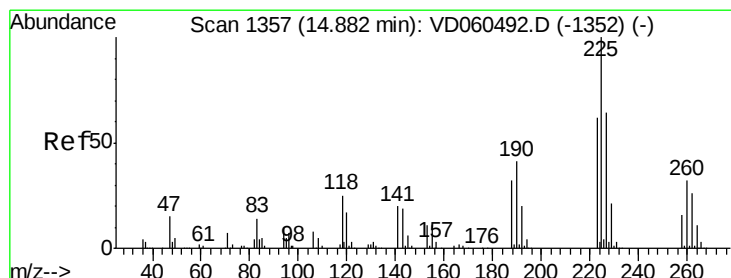
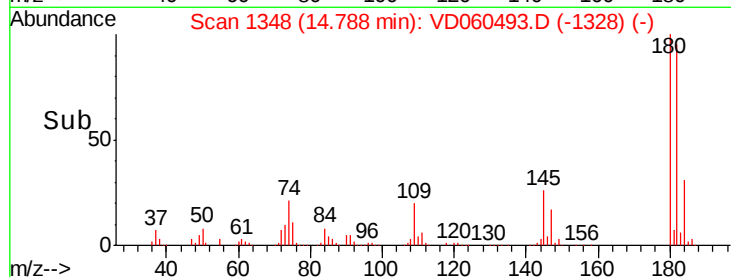
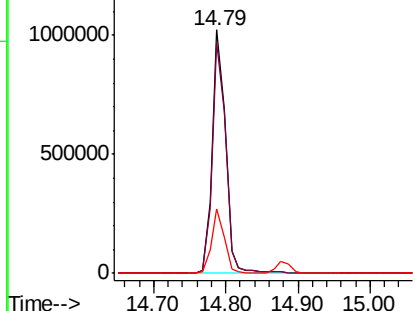
#93
 1,2,4-Trichlorobenzene
 Concen: 67.384 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 1308544
 Ion Ratio Lower Upper
 180 100
 182 95.0 49.4 148.0
 145 26.3 11.9 35.9

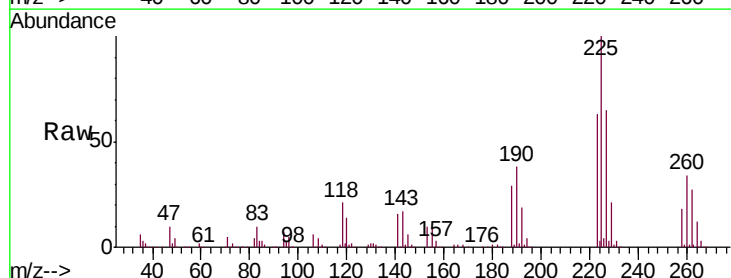


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

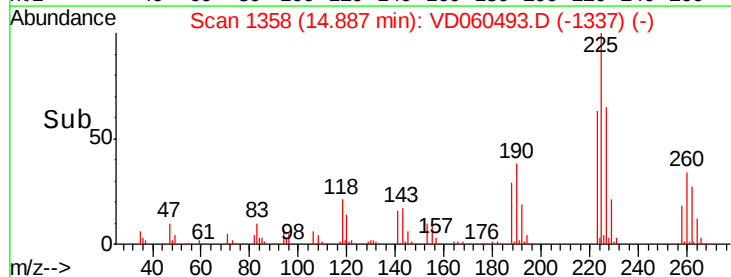
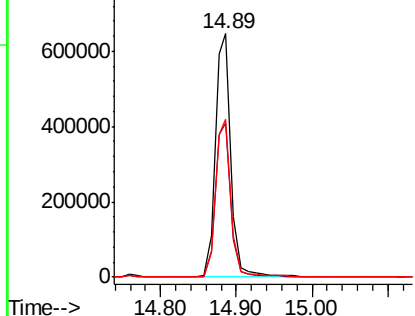


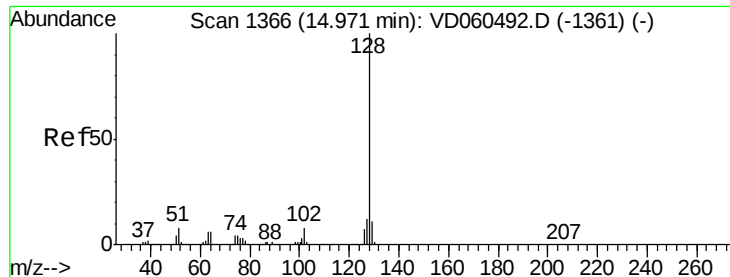
#94
 Hexachlorobutadiene
 Concen: 65.522 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060493.D
 Acq: 5 Dec 2018 15:33

Tgt Ion:225 Resp: 947740
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.2 93.6
 227 65.0 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

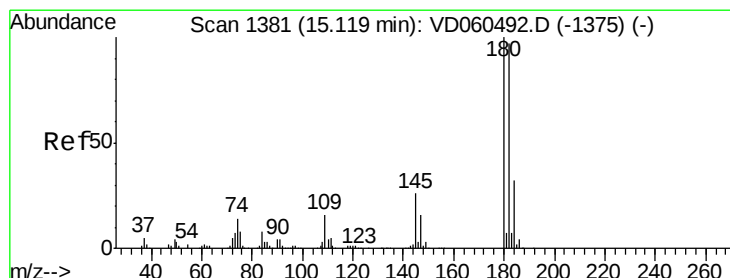
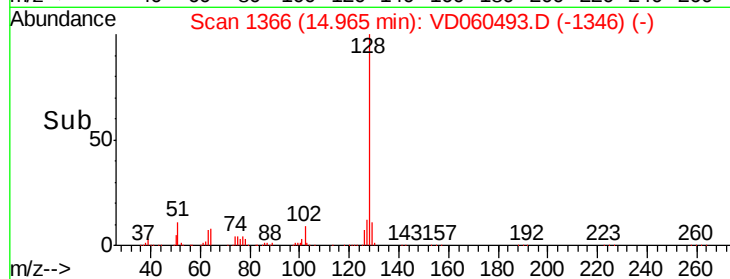
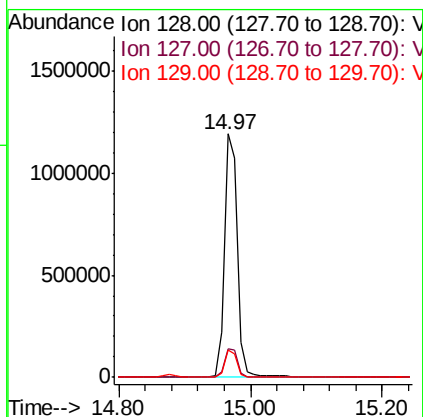
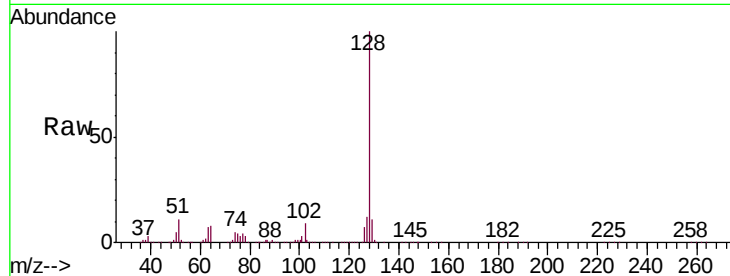




#95
Naphthalene
Concen: 68.747 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tgt Ion:128 Resp: 1638645
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 67.282 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060493.D
Acq: 5 Dec 2018 15:33

Tgt Ion:180 Resp: 1044114
Ion Ratio Lower Upper
180 100
182 95.1 48.5 145.5
145 28.3 12.9 38.7

