

Data File : VD060490.D
Acq On : 5 Dec 2018 14:08
Operator : VA/AP
Sample : VSTDIC010
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Quant Time: Dec 06 00:42:32 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	6.42	168	1657053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2306754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1867710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	941702	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	121038	10.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.46%	
35) Dibromofluoromethane	6.33	113	171287	10.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.10%	
50) Toluene-d8	9.46	98	486965	9.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.46%	
62) 4-Bromofluorobenzene	12.43	95	175865	9.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.61	85	231294	15.126	ug/l	96
3) Chloromethane	1.78	50	187264	11.794	ug/l	97
4) Vinyl Chloride	1.88	62	149573	11.561	ug/l	92
5) Bromomethane	2.17	94	39980	12.836	ug/l	99
6) Chloroethane	2.28	64	47664	11.210	ug/l	99
7) Trichlorofluoromethane	2.53	101	167092	10.935	ug/l	94
8) Diethyl Ether	2.85	74	27882	10.154	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.11	101	106667	10.756	ug/l	98
10) Methyl Iodide	3.26	142	119152	9.310	ug/l	97
11) Tert butyl alcohol	3.99	59	26151	53.941	ug/l #	90
12) 1,1-Dichloroethene	3.10	96	89335	11.066	ug/l	92
13) Acrolein	3.01	56	30576	53.990	ug/l	98
14) Allyl chloride	3.56	41	164614	10.616	ug/l	98
15) Acrylonitrile	4.10	53	139728	49.390	ug/l	96
16) Acetone	3.18	43	97596	47.631	ug/l	99
17) Carbon Disulfide	3.33	76	278803	10.635	ug/l	98
18) Methyl Acetate	3.57	43	46571	10.493	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	242705	10.075	ug/l	99
20) Methylene Chloride	3.74	84	231704	12.586	ug/l	99
21) trans-1,2-Dichloroethene	4.12	96	188515	10.464	ug/l	99
22) Diisopropyl ether	4.87	45	578091	10.028	ug/l	96
23) Vinyl Acetate	4.82	43	1439471	50.000	ug/l	100
24) 1,1-Dichloroethane	4.77	63	303441	10.229	ug/l	100
25) 2-Butanone	5.63	43	180808	42.927	ug/l	95
26) 2,2-Dichloropropane	5.60	77	234743	10.228	ug/l	99
27) cis-1,2-Dichloroethene	5.61	96	186428	9.977	ug/l	91
28) Bromochloromethane	5.94	49	132875	10.152	ug/l	99
29) Tetrahydrofuran	5.96	42	107508	47.882	ug/l	99
30) Chloroform	6.12	83	304846	10.278	ug/l	96
31) Cyclohexane	6.38	56	300946	10.656	ug/l	96
32) 1,1,1-Trichloroethane	6.30	97	248245	9.966	ug/l	98
36) 1,1-Dichloropropene	6.53	75	238445	10.457	ug/l	98
37) Ethyl Acetate	5.71	43	103158	9.877	ug/l	99
38) Carbon Tetrachloride	6.51	117	210435	10.003	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	267403	10.224	ug/l	98
40) Benzene	6.81	78	617106	10.635	ug/l	99
41) Methacrylonitrile	5.96	41	115262	10.677	ug/l #	66
42) 1,2-Dichloroethane	6.91	62	154335	10.222	ug/l	100
43) Isopropyl Acetate	8.35	43	121415	9.334	ug/l #	96
44) Trichloroethene	7.75	130	173924	9.880	ug/l	95
45) 1,2-Dichloropropane	8.11	63	147279	10.088	ug/l	100
46) Dibromomethane	8.22	93	86332	10.078	ug/l	93
47) Bromodichloromethane	8.50	83	196030	9.751	ug/l	97
48) Methyl methacrylate	8.25	41	69471	8.756	ug/l	99
49) 1,4-Dioxane	8.23	88	12869	185.691	ug/l #	89
51) 4-Methyl-2-Pentanone	9.35	43	378758	44.680	ug/l	98
52) Toluene	9.55	92	374836	10.124	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	160426	9.487	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	213373	9.758	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	104372	9.735	ug/l	98
56) Ethyl methacrylate	10.03	69	89044	9.095	ug/l	92
57) 1,3-Dichloropropane	10.39	76	162796	10.003	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	302110	51.286	ug/l	99
59) 2-Hexanone	10.49	43	260718	43.394	ug/l	96
60) Dibromochloromethane	10.64	129	125401	9.638	ug/l	99
61) 1,2-Dibromoethane	10.76	107	103098	9.612	ug/l	94
64) Tetrachloroethene	10.25	164	164376	9.831	ug/l	94
65) Chlorobenzene	11.31	112	402578	9.977	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	135347	10.257	ug/l	96
67) Ethyl Benzene	11.43	91	719200	10.382	ug/l	97
68) m/p-Xylenes	11.57	106	535132	20.994	ug/l	95
69) o-Xylene	11.93	106	243338	9.891	ug/l	90
70) Styrene	11.95	104	386616	9.674	ug/l	95
71) Bromoform	12.12	173	78126	8.782	ug/l	99
73) Isopropylbenzene	12.28	105	685519	9.957	ug/l	99
74) N-amyl acetate	12.13	43	150943	8.602	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.56	83	106458	9.554	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	107532	9.586	ug/l	94
77) Bromobenzene	12.54	156	174021	9.560	ug/l	93
78) n-propylbenzene	12.64	91	874045	10.237	ug/l	99
79) 2-Chlorotoluene	12.71	91	474243	10.091	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	523841	9.872	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	28406	8.889	ug/l	95
82) 4-Chlorotoluene	12.81	91	531695	10.108	ug/l	90
83) tert-Butylbenzene	13.05	119	581813	9.849	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	546365	10.278	ug/l	100
85) sec-Butylbenzene	13.22	105	726885	10.078	ug/l	97
86) p-Isopropyltoluene	13.34	119	577694	9.961	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	322831	9.979	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	322398	10.224	ug/l	96
89) n-Butylbenzene	13.65	91	622500	10.488	ug/l	96
90) Hexachloroethane	13.86	117	136530	9.785	ug/l	91
91) 1,2-Dichlorobenzene	13.67	146	277677	10.471	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	12544	9.354	ug/l	98

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

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	200187	9.530	ug/l	96
94) Hexachlorobutadiene	14.89	225	152803	9.766	ug/l	98
95) Naphthalene	14.96	128	232430	9.015	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	160660	9.571	ug/l	98

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

Data File : VD060490.D

Acq On : 5 Dec 2018 14:08

Operator : VA/AP

Sample : VSTDICC010

Misc : 5.00g/5ml/MSVOA_D/SOIL

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ALS Vial      : 4      Sample Multiplier: 1
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Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

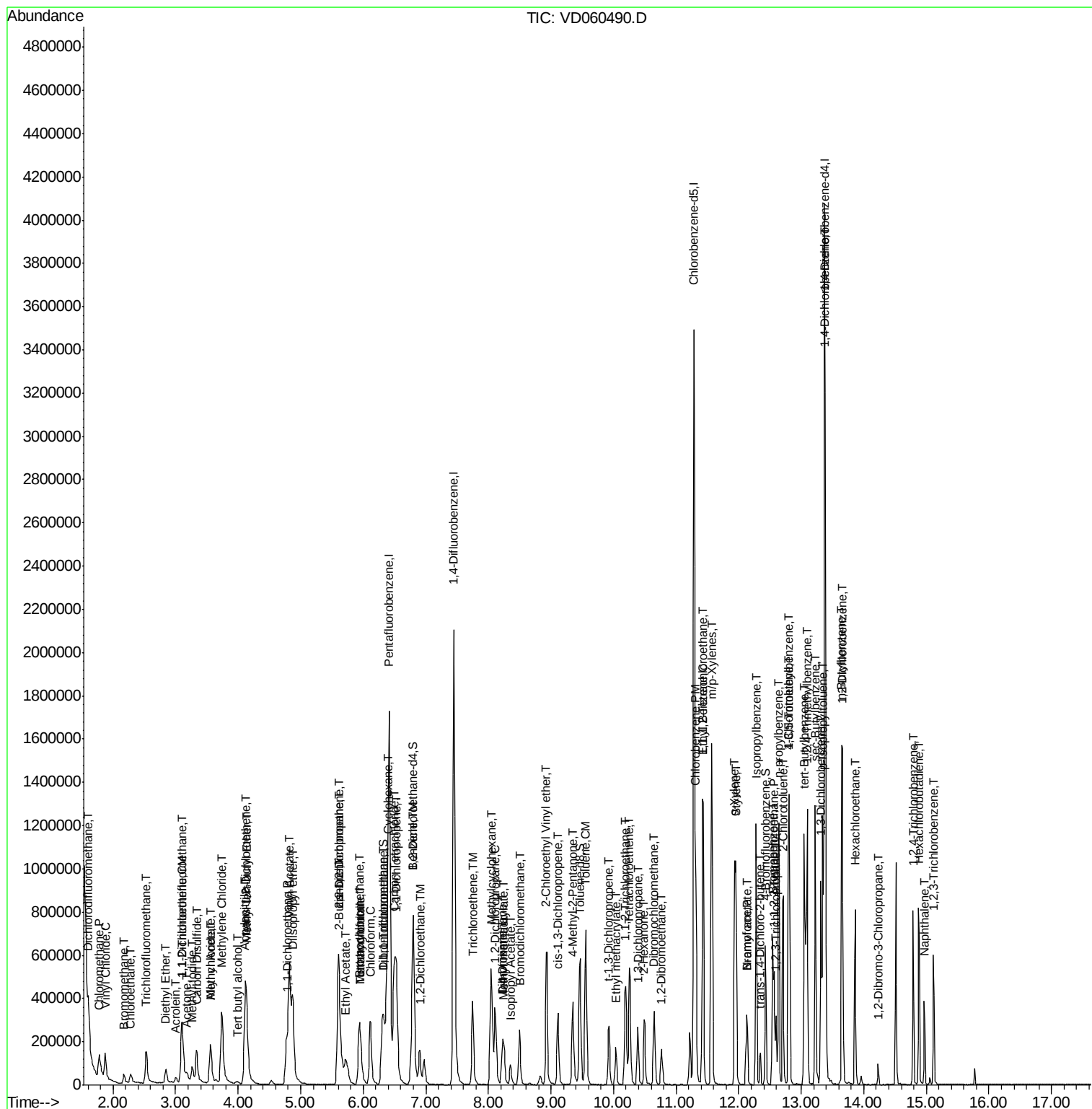
Quant Time: Dec 06 00:42:32 2018

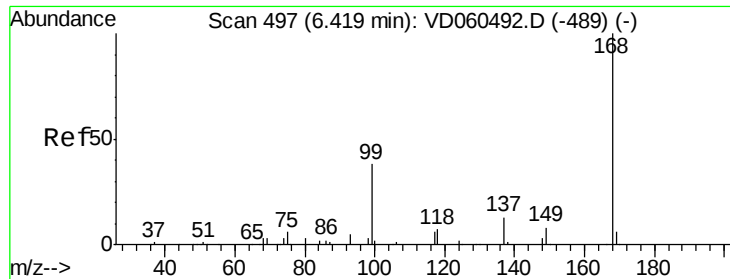
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Quant Title : SW846 8260

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

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

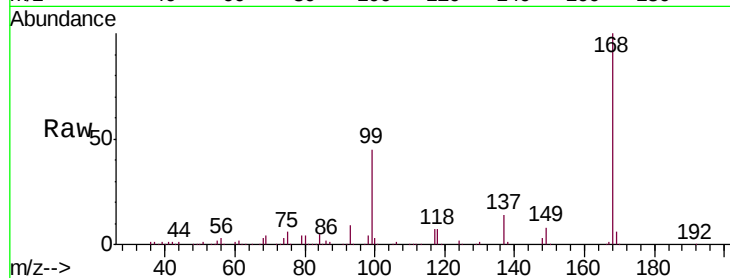
VSTDIC010

Tgt Ion:168 Resp: 1657053

Ion Ratio Lower Upper

168 100

99 45.0 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

600000

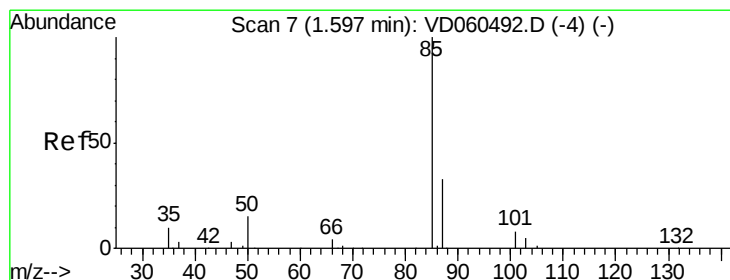
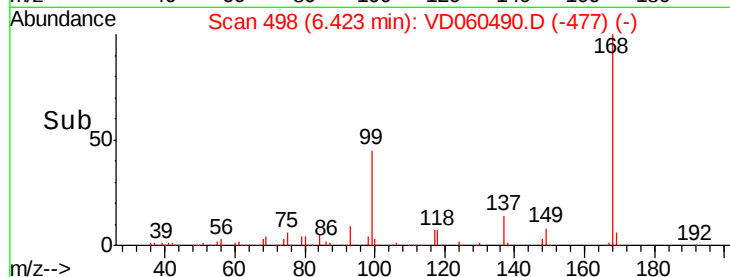
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200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 15.126 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060490.D

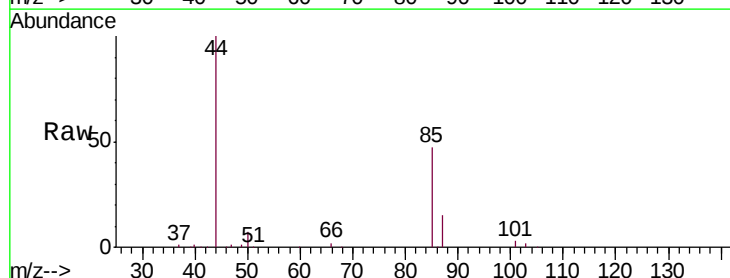
Acq: 5 Dec 2018 14:08

Tgt Ion: 85 Resp: 231294

Ion Ratio Lower Upper

85 100

87 30.9 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

100000

80000

60000

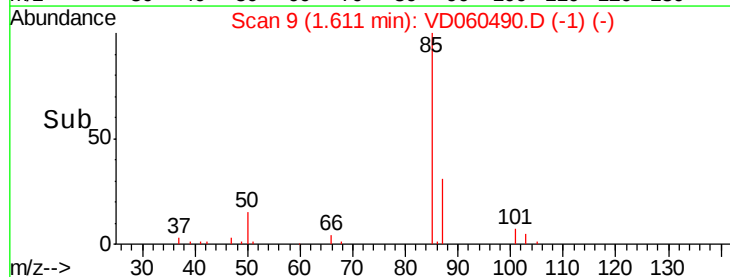
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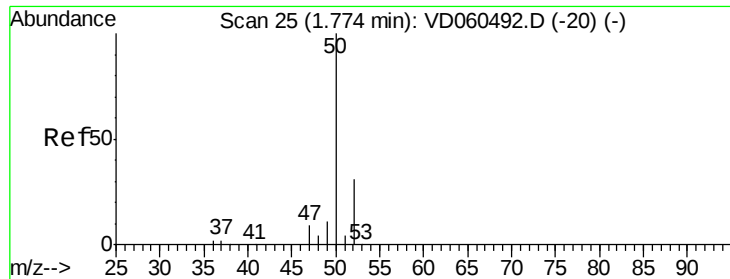
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 11.794 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

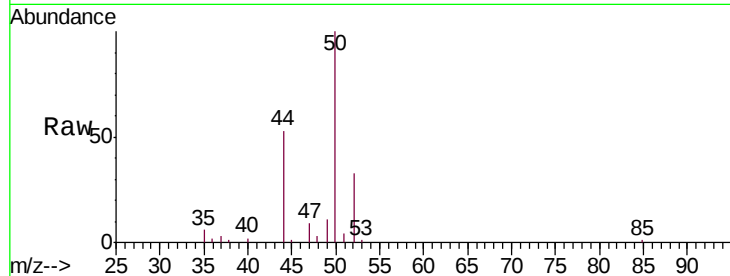
VSTDIC010

Tgt Ion: 50 Resp: 187264

Ion Ratio Lower Upper

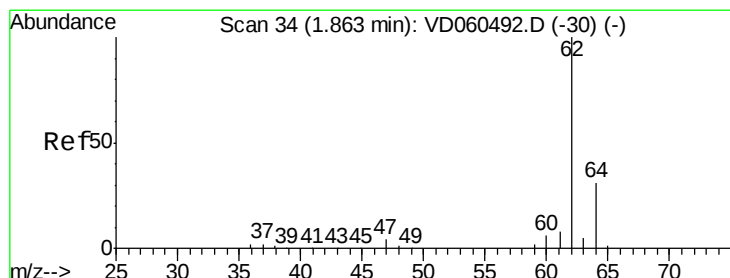
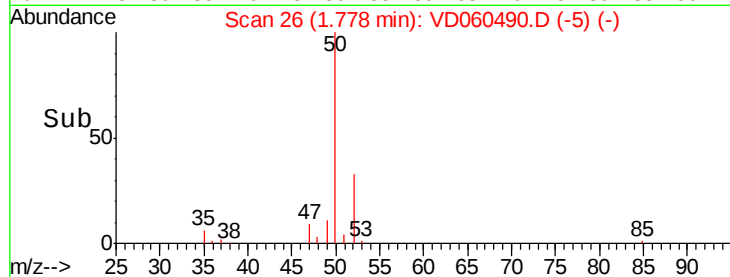
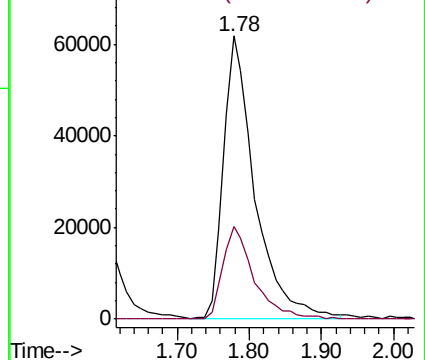
50 100

52 32.8 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 11.561 ug/l

RT: 1.88 min Scan# 36

Delta R.T. 0.01 min

Lab File: VD060490.D

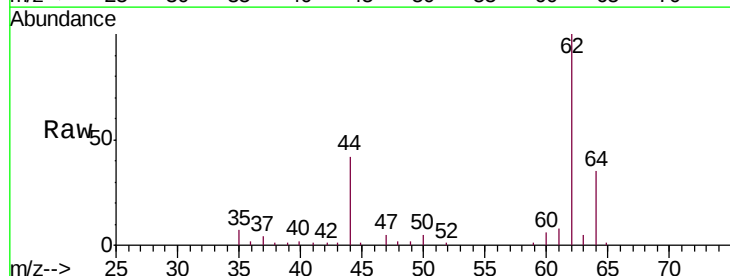
Acq: 5 Dec 2018 14:08

Tgt Ion: 62 Resp: 149573

Ion Ratio Lower Upper

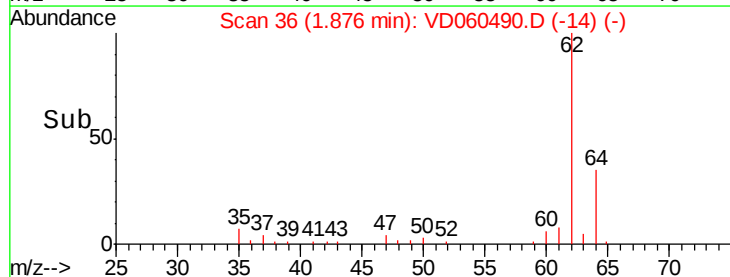
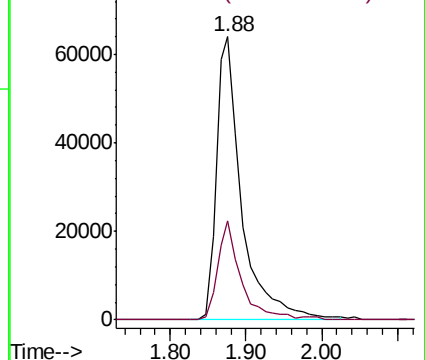
62 100

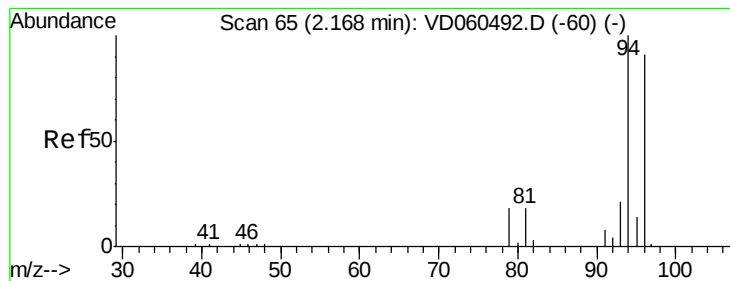
64 34.9 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 12.836 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

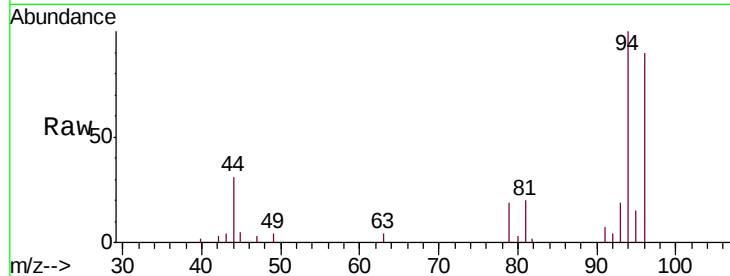
VSTDIC010

Tgt Ion: 94 Resp: 39980

Ion Ratio Lower Upper

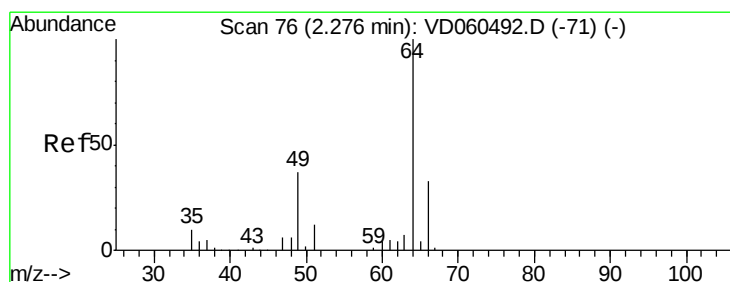
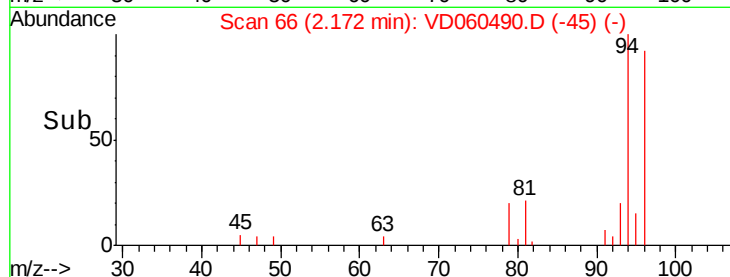
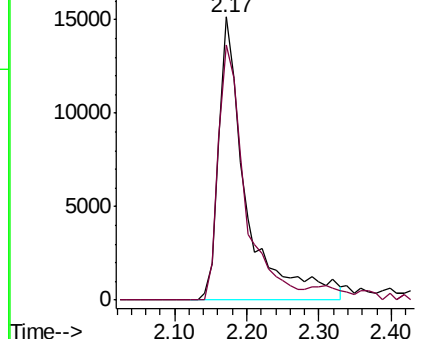
94 100

96 90.0 72.6 108.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.210 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.00 min

Lab File: VD060490.D

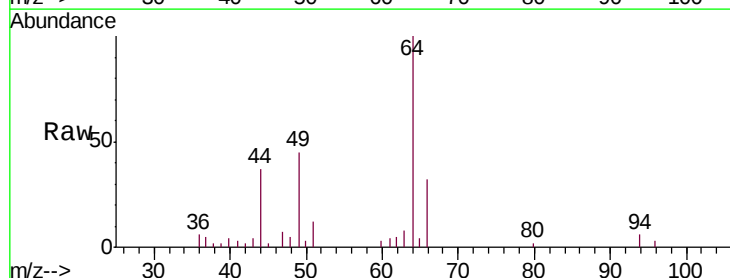
Acq: 5 Dec 2018 14:08

Tgt Ion: 64 Resp: 47664

Ion Ratio Lower Upper

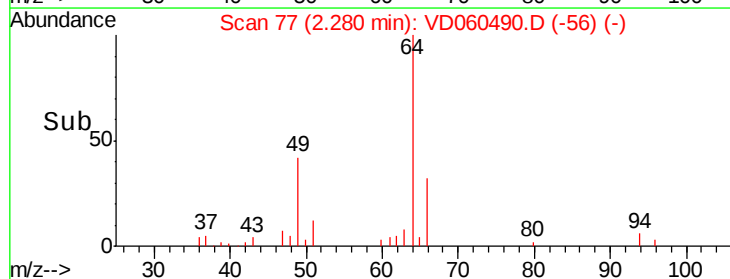
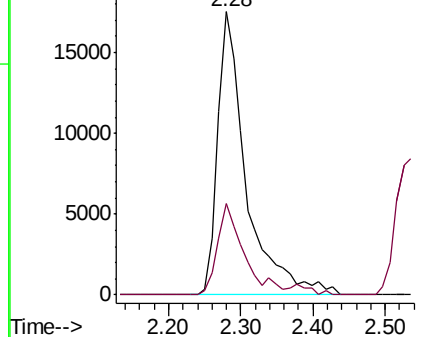
64 100

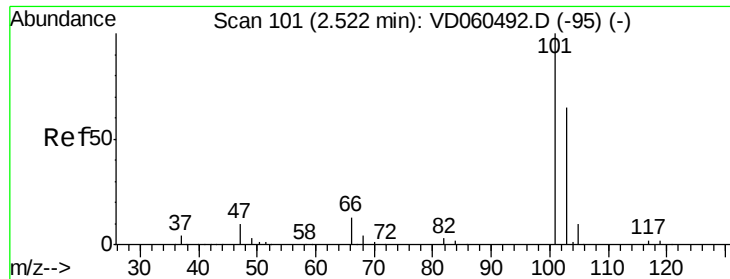
66 32.4 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



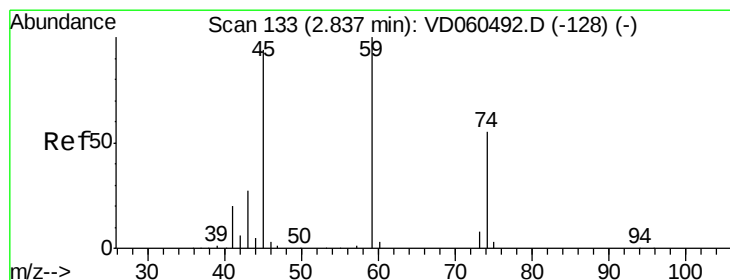
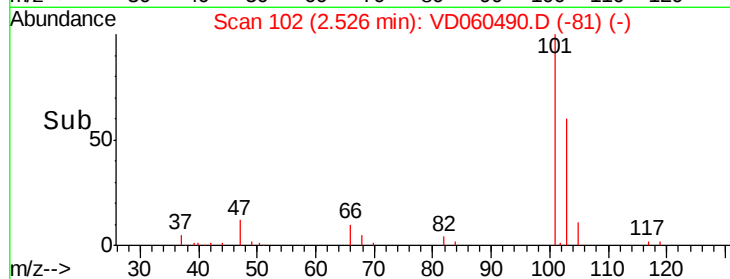
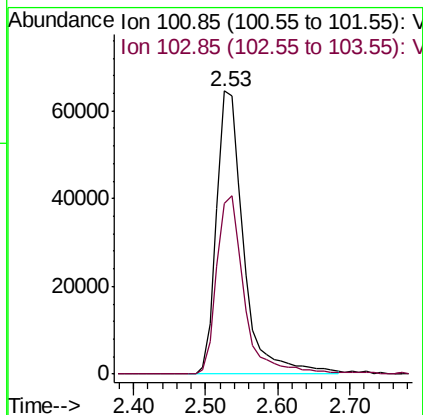
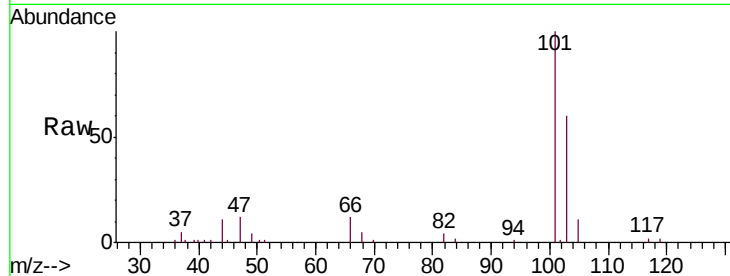


#7

Trichlorofluoromethane
 Concen: 10.935 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Instrument :
 MSVOA_D
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 VSTDIC010

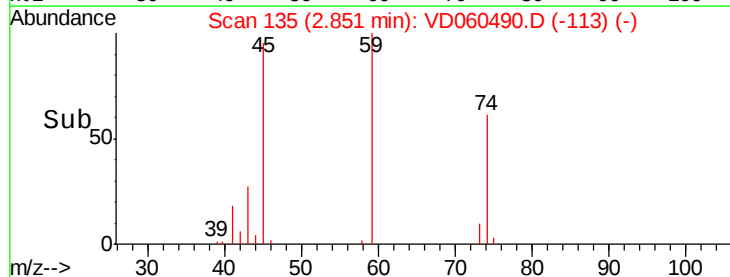
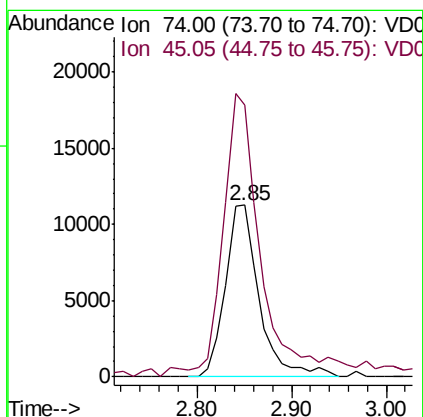
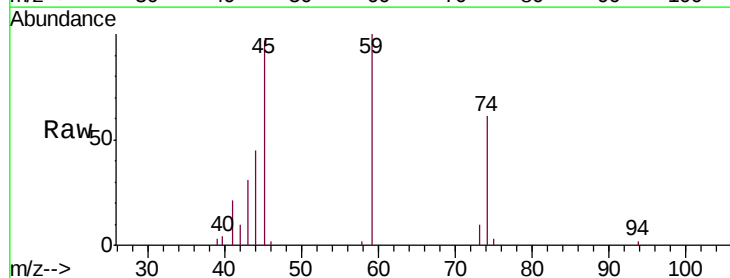
Tgt Ion:101 Resp: 167092
 Ion Ratio Lower Upper
 101 100
 103 60.2 51.8 77.8

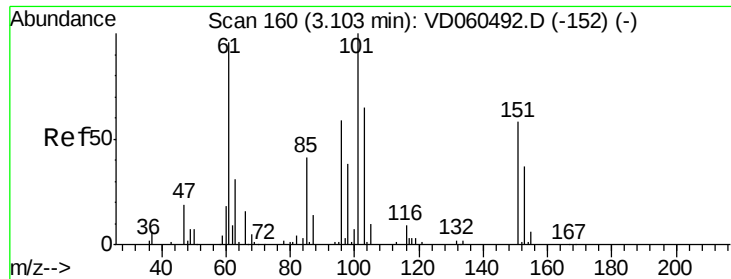


#8

Diethyl Ether
 Concen: 10.154 ug/l
 RT: 2.85 min Scan# 135
 Delta R.T. 0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion: 74 Resp: 27882
 Ion Ratio Lower Upper
 74 100
 45 158.4 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.756 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

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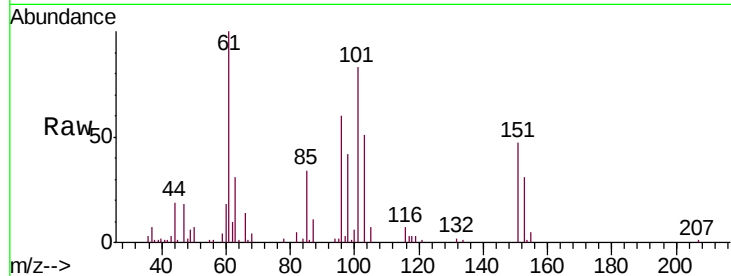
Tgt Ion:101 Resp: 106667

Ion Ratio Lower Upper

101 100

85 41.0 32.7 49.1

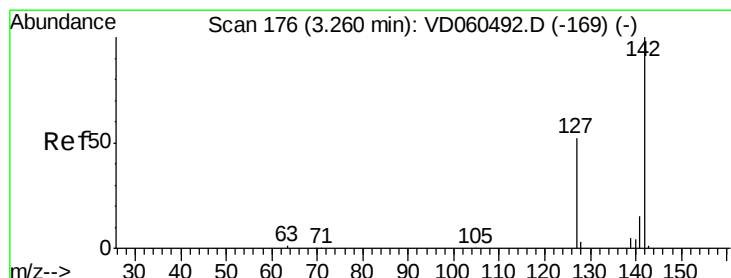
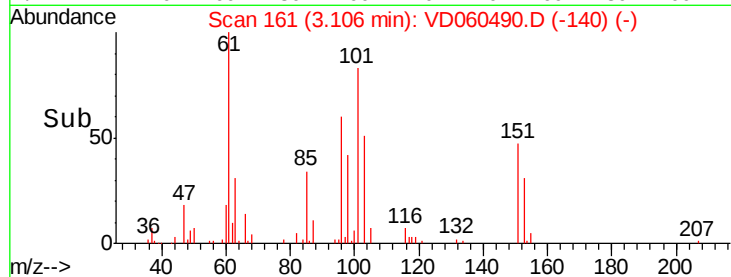
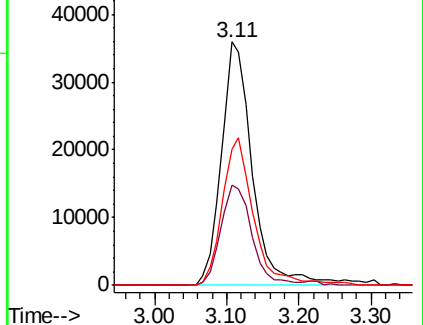
151 55.9 46.6 69.8



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: 9.310 ug/l

RT: 3.26 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

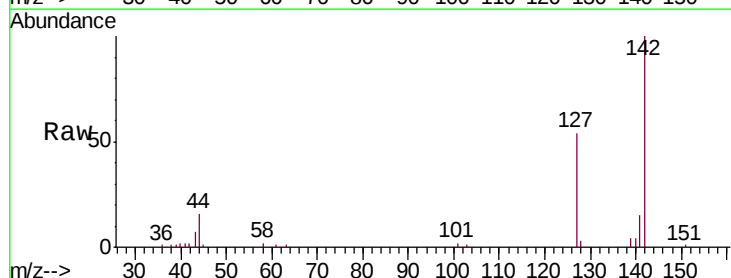
Tgt Ion:142 Resp: 119152

Ion Ratio Lower Upper

142 100

127 54.4 41.2 61.8

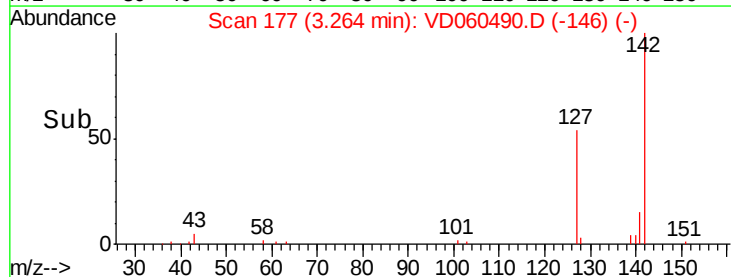
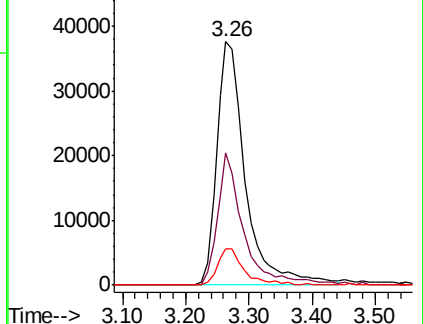
141 14.7 11.9 17.9

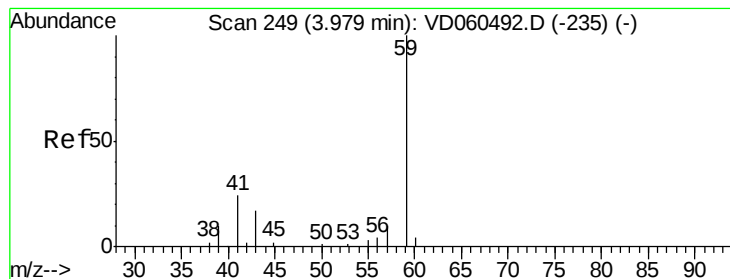


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



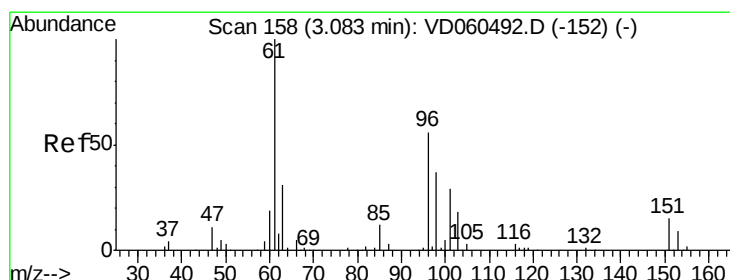
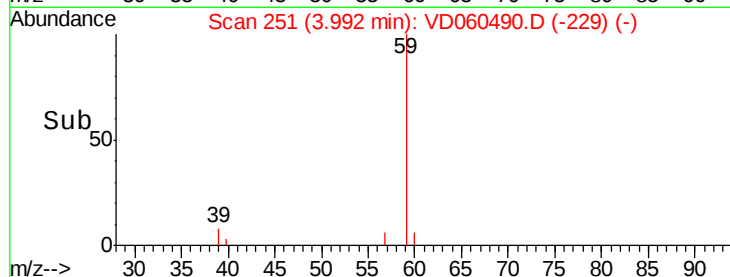
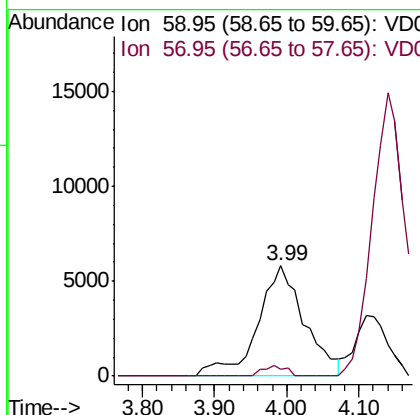
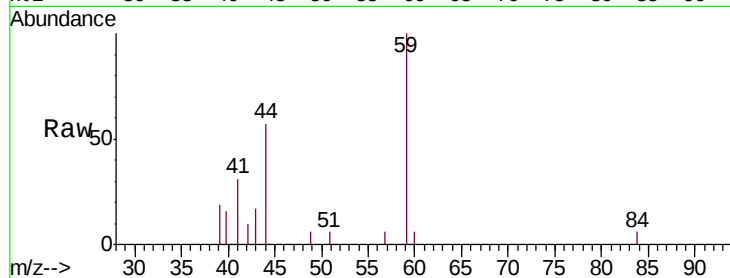


#11

Tert butyl alcohol
 Concen: 53.941 ug/l
 RT: 3.99 min Scan# 251
 Delta R.T. 0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

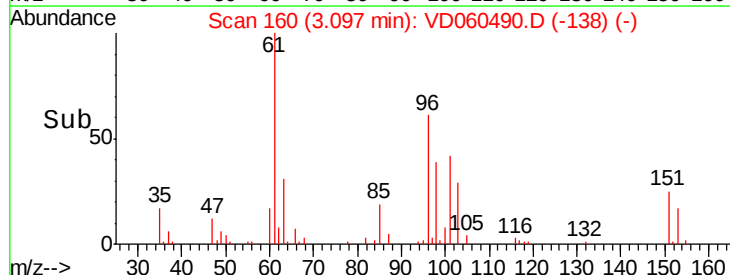
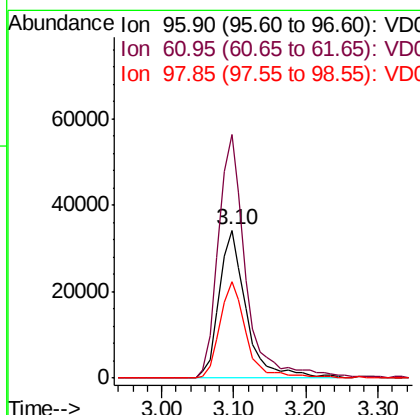
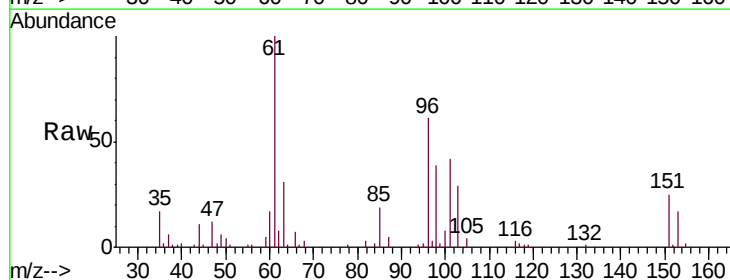
Tgt Ion: 59 Resp: 26151
 Ion Ratio Lower Upper
 59 100
 57 6.3 8.1 12.1#

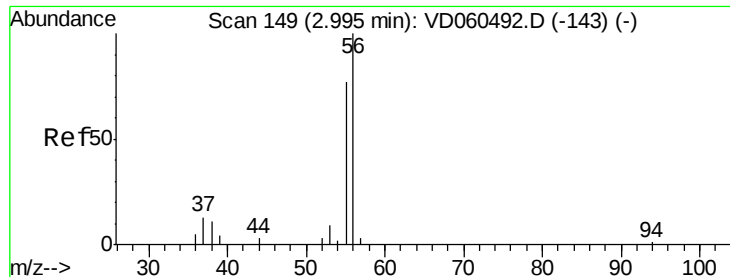


#12

1,1-Dichloroethene
 Concen: 11.066 ug/l
 RT: 3.10 min Scan# 160
 Delta R.T. 0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion: 96 Resp: 89335
 Ion Ratio Lower Upper
 96 100
 61 164.5 143.0 214.4
 98 64.8 53.4 80.0





#13

Acrolein

Concen: 53.990 ug/l

RT: 3.01 min Scan# 151

Delta R.T. 0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

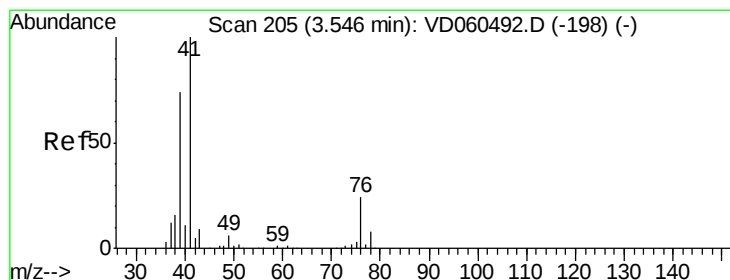
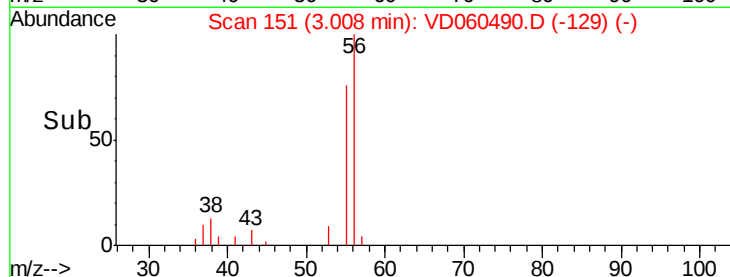
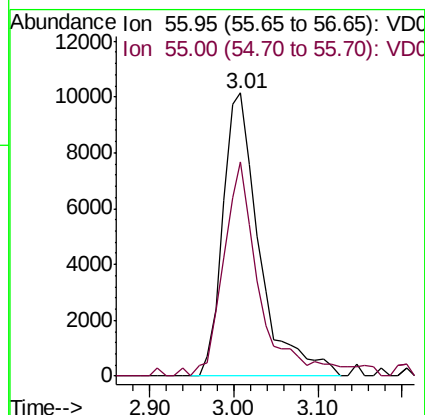
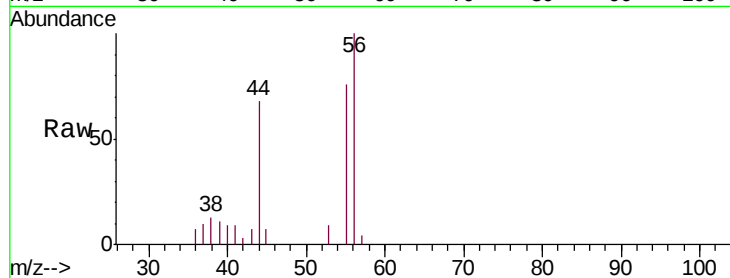
VSTDIC010

Tgt Ion: 56 Resp: 30576

Ion Ratio Lower Upper

56 100

55 75.9 62.0 93.0



#14

Allyl chloride

Concen: 10.616 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

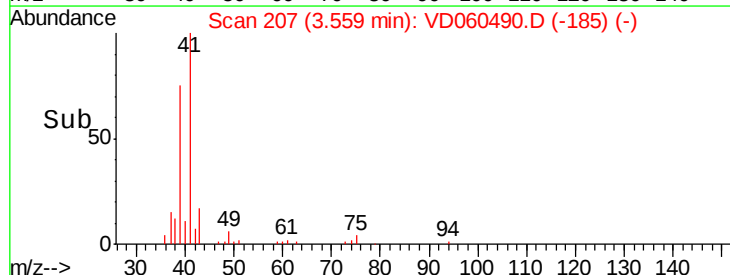
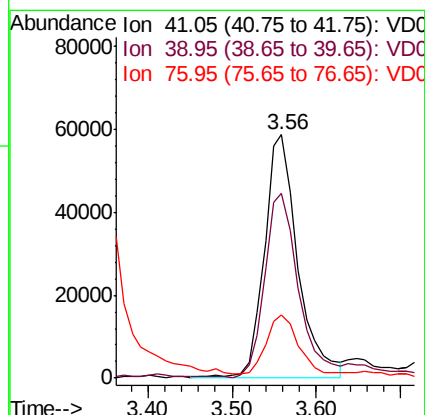
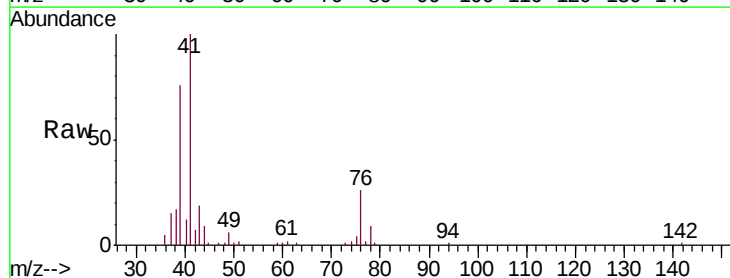
Tgt Ion: 41 Resp: 164614

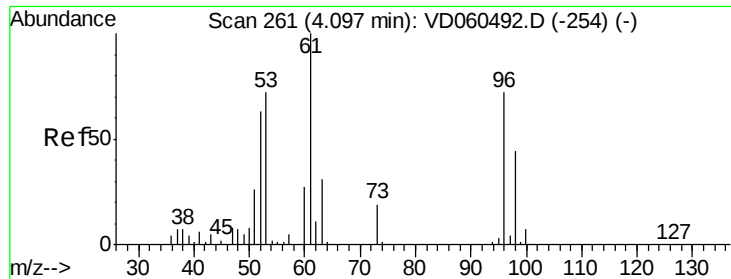
Ion Ratio Lower Upper

41 100

39 76.0 59.3 88.9

76 25.9 21.0 31.6





#15

Acrylonitrile

Concen: 49.390 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

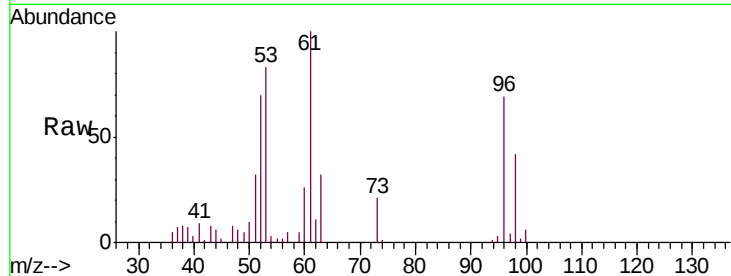
Tgt Ion: 53 Resp: 139728

Ion Ratio Lower Upper

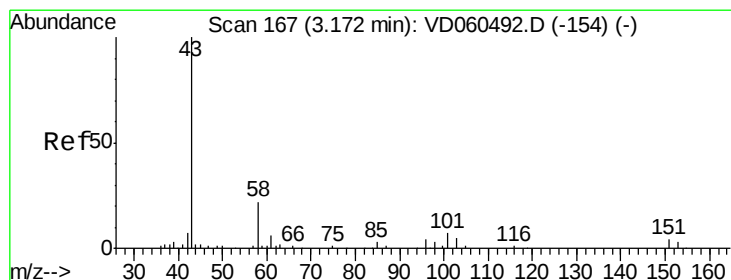
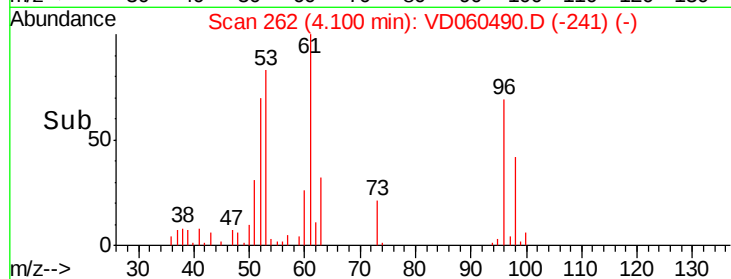
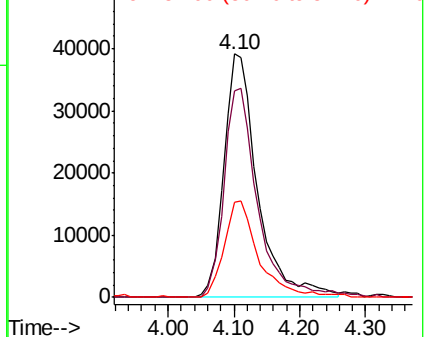
53 100

52 84.9 70.0 105.0

51 39.1 28.8 43.2



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



#16

Acetone

Concen: 47.631 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060490.D

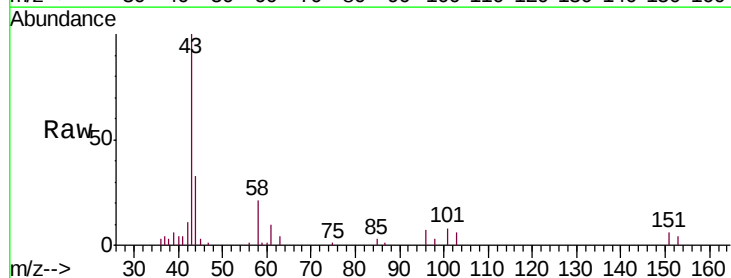
Acq: 5 Dec 2018 14:08

Tgt Ion: 43 Resp: 97596

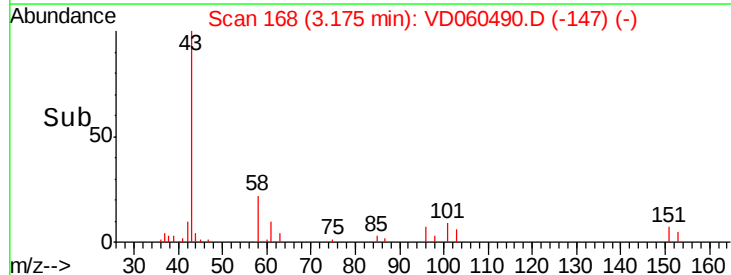
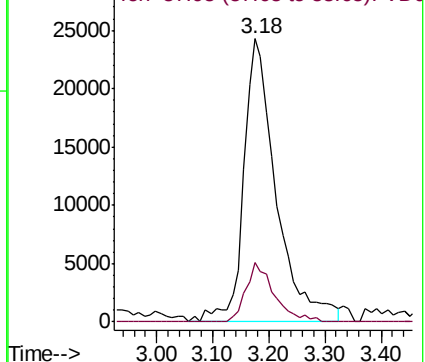
Ion Ratio Lower Upper

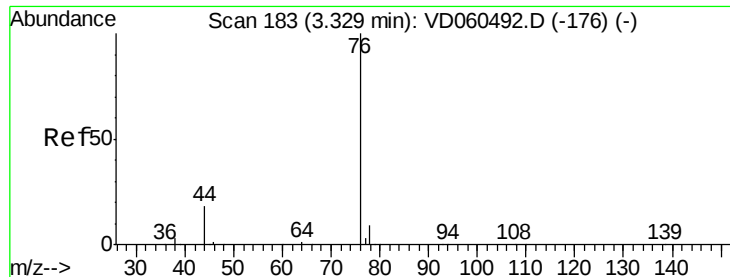
43 100

58 21.0 17.3 25.9



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

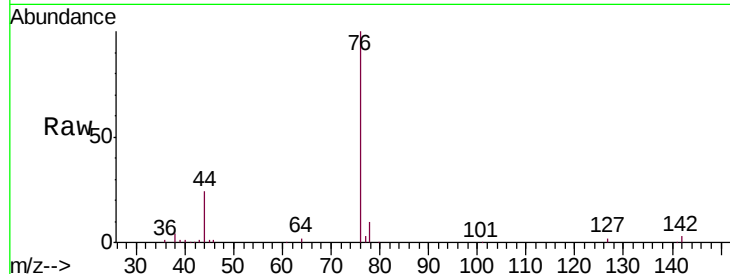




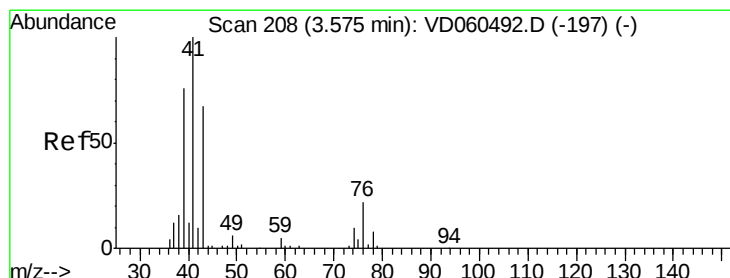
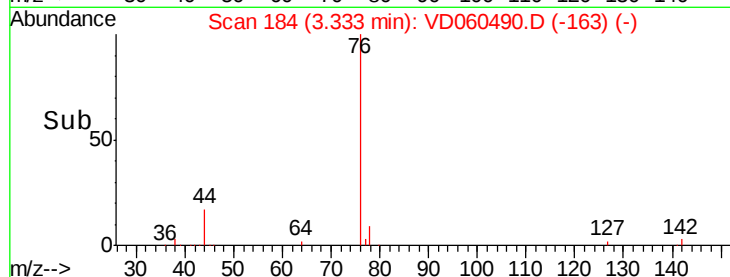
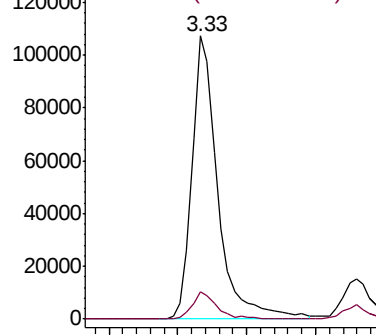
#17
Carbon Disulfide
Concen: 10.635 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 76 Resp: 278803
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.6

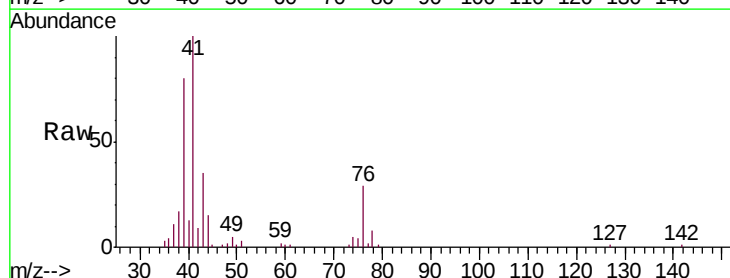


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

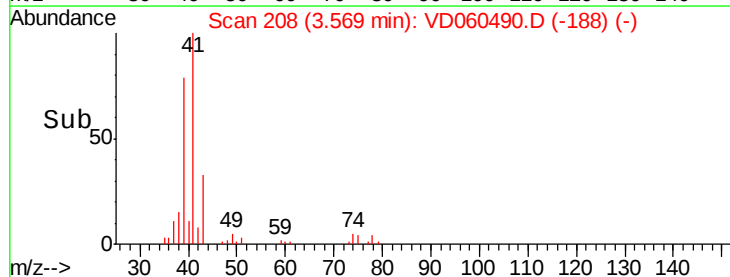
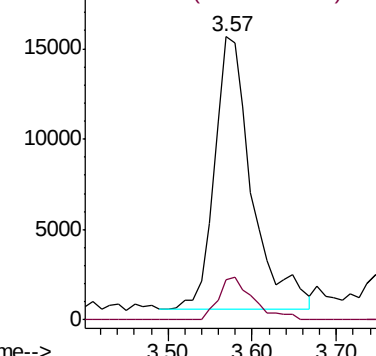


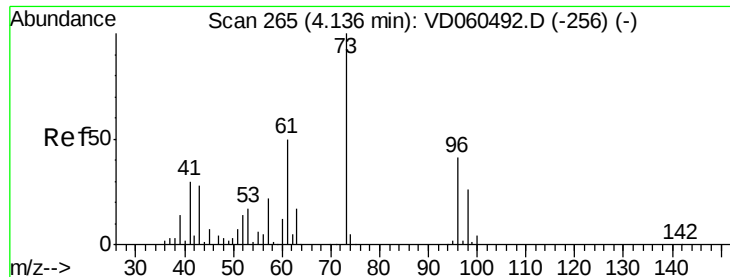
#18
Methyl Acetate
Concen: 10.493 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 43 Resp: 46571
Ion Ratio Lower Upper
43 100
74 14.0 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: 10.075 ug/l

RT: 4.14 min Scan# 266

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

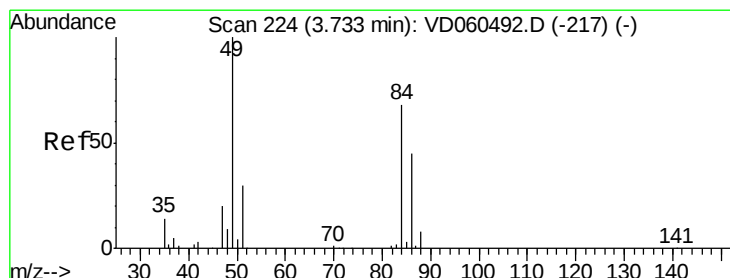
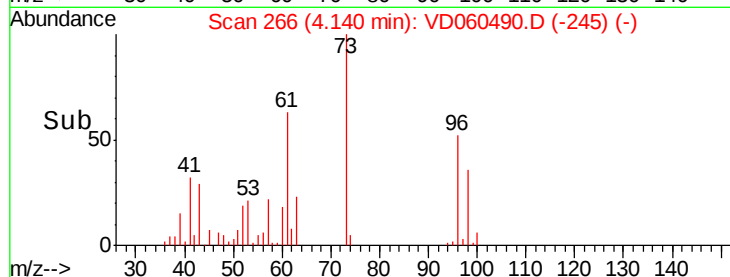
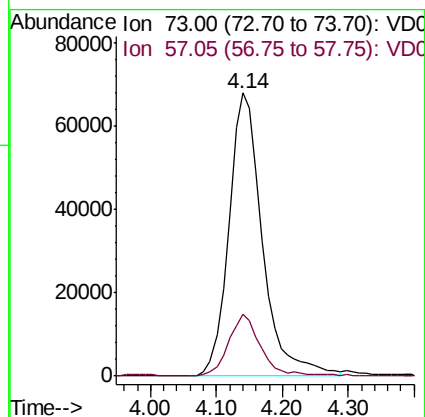
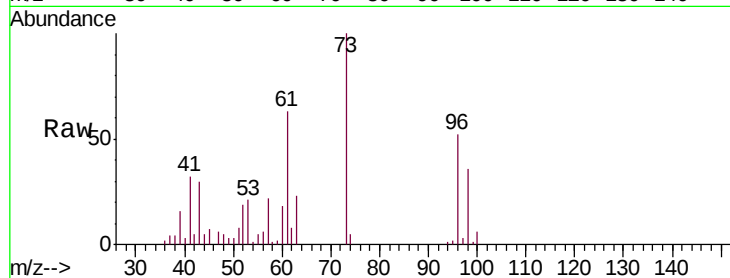
VSTDIC010

Tgt Ion: 73 Resp: 242705

Ion Ratio Lower Upper

73 100

57 21.9 17.8 26.6



#20

Methylene Chloride

Concen: 12.586 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Tgt Ion: 84 Resp: 231704

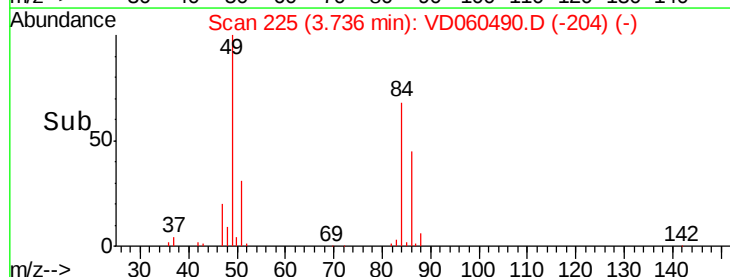
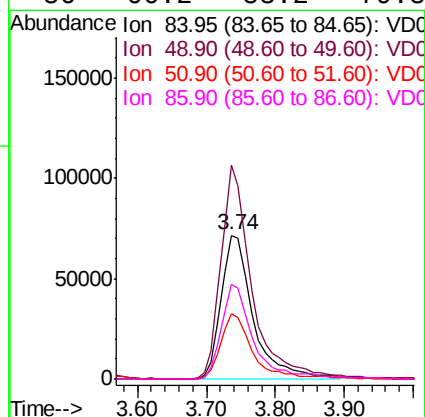
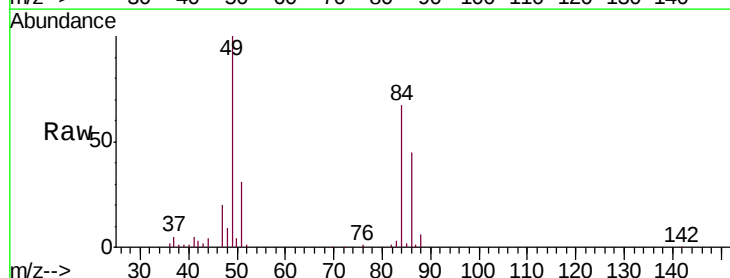
Ion Ratio Lower Upper

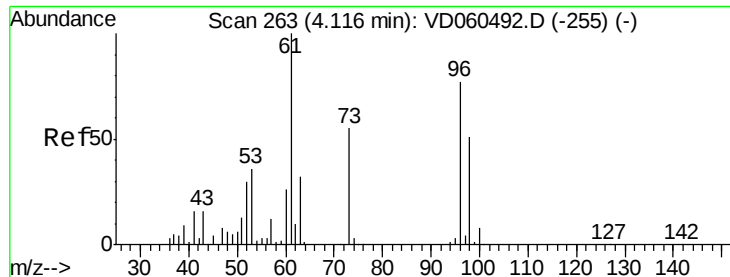
84 100

49 148.5 117.2 175.8

51 45.4 35.3 52.9

86 66.2 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 10.464 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

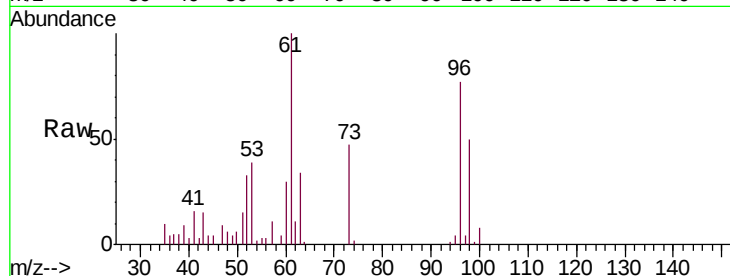
Tgt Ion: 96 Resp: 188515

Ion Ratio Lower Upper

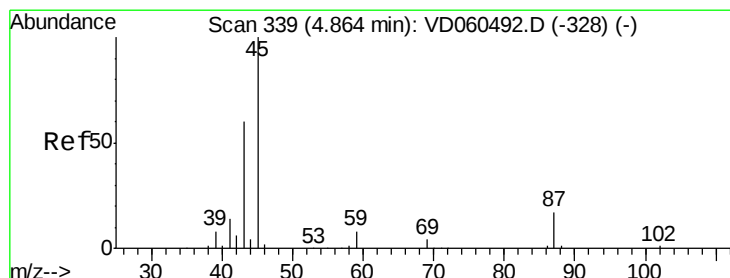
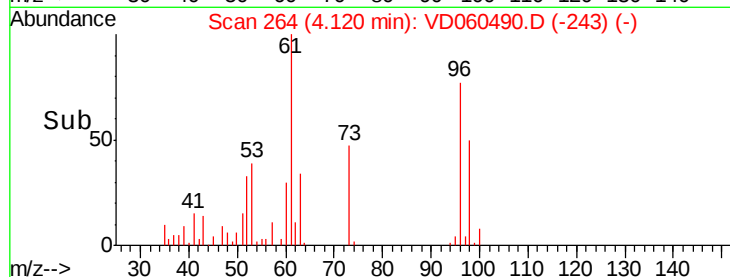
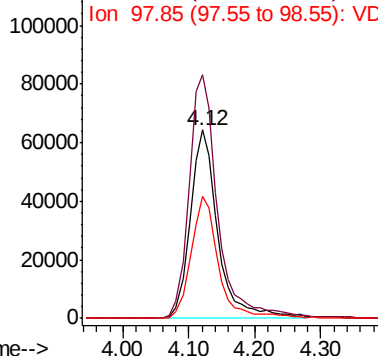
96 100

61 129.5 104.2 156.4

98 64.9 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: 10.028 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Tgt Ion: 45 Resp: 578091

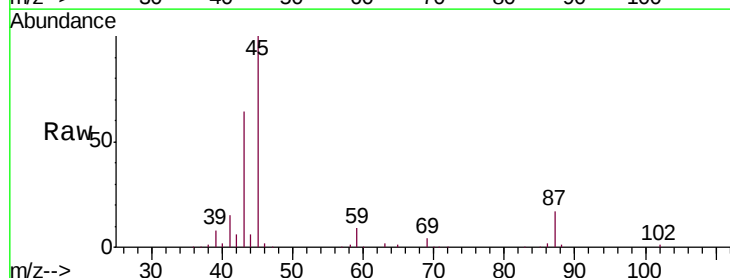
Ion Ratio Lower Upper

45 100

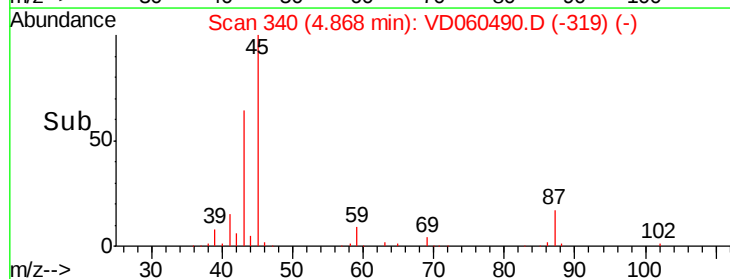
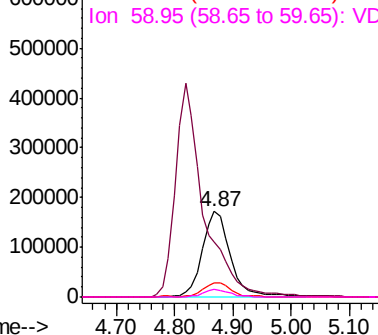
43 64.2 48.6 73.0

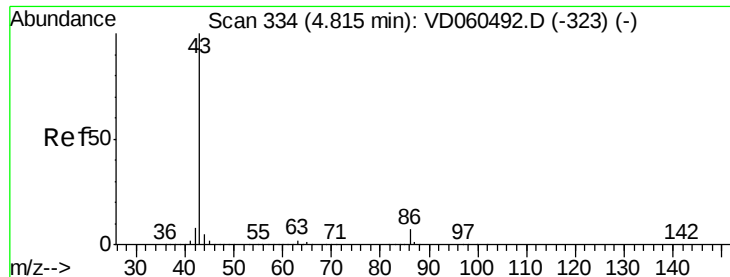
87 16.6 14.0 21.0

59 8.8 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: 50.000 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

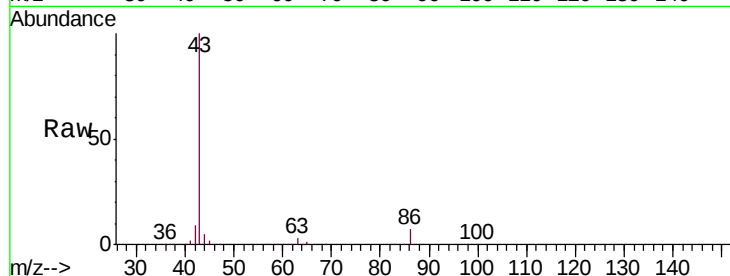
VSTDIC010

Tgt Ion: 43 Resp: 1439471

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

400000

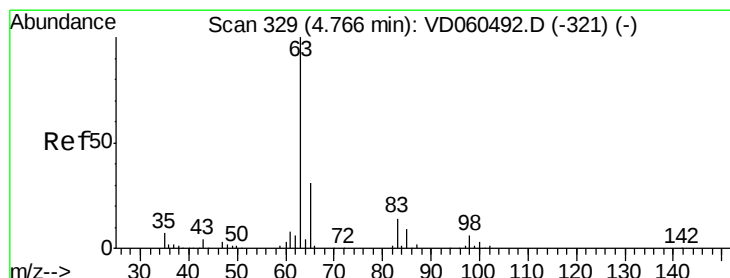
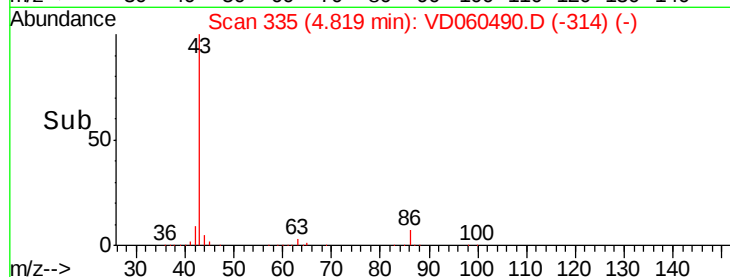
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 10.229 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

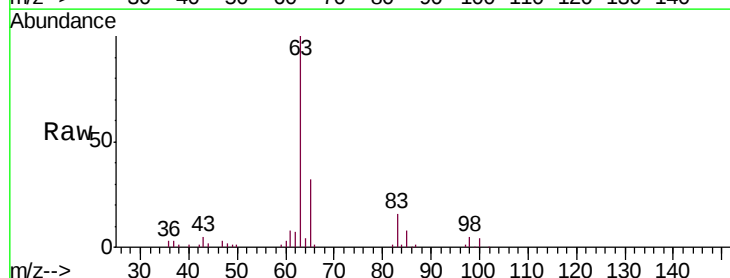
Tgt Ion: 63 Resp: 303441

Ion Ratio Lower Upper

63 100

98 5.5 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

120000

100000

80000

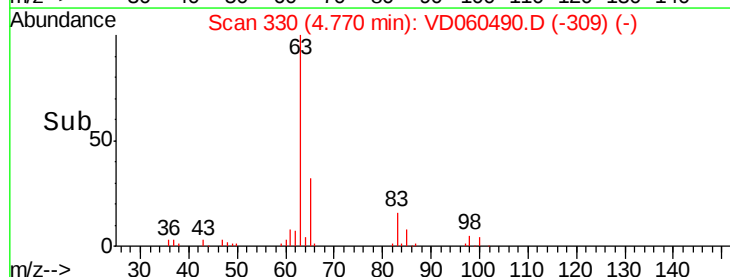
60000

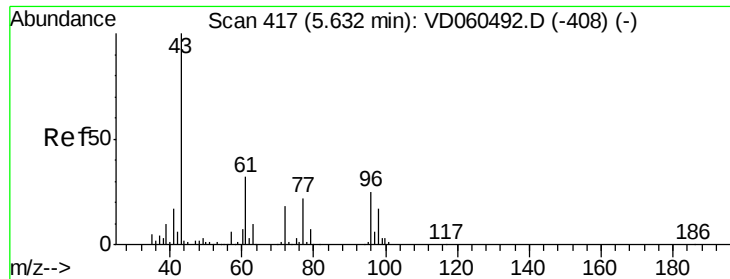
40000

20000

0

Time-->





#25

2-Butanone

Concen: 42.927 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

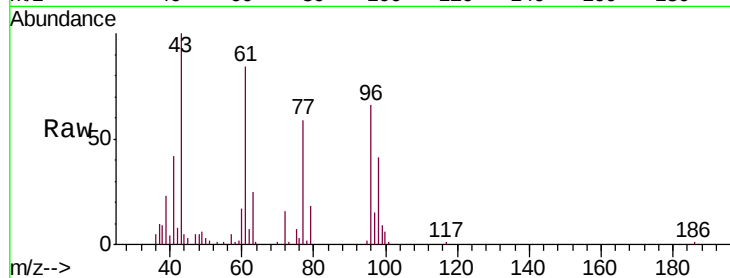
VSTDIC010

Tgt Ion: 43 Resp: 180808

Ion Ratio Lower Upper

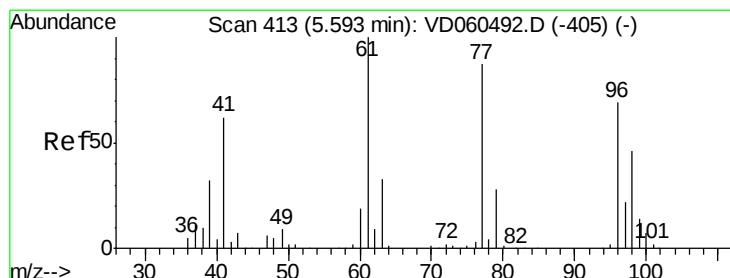
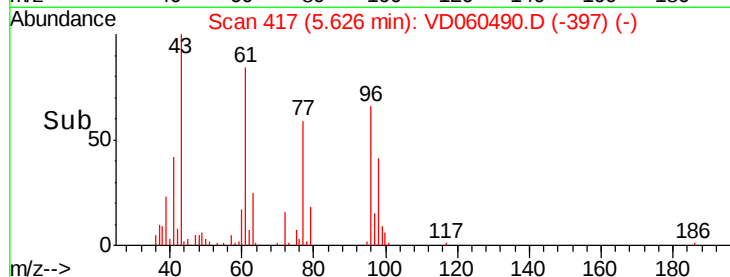
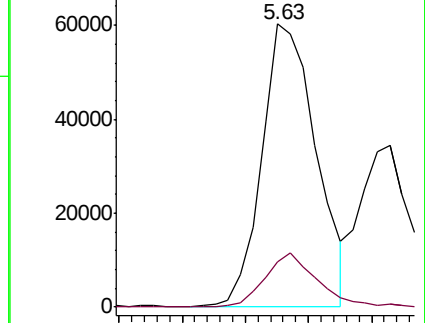
43 100

72 16.1 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: 10.228 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060490.D

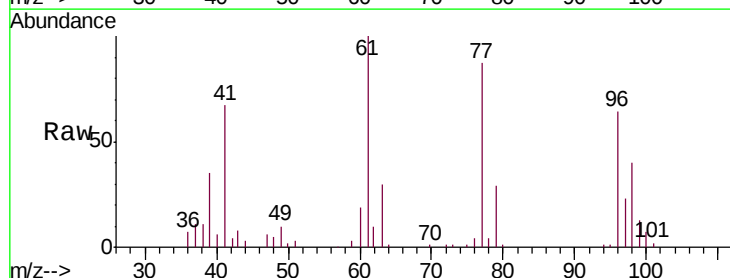
Acq: 5 Dec 2018 14:08

Tgt Ion: 77 Resp: 234743

Ion Ratio Lower Upper

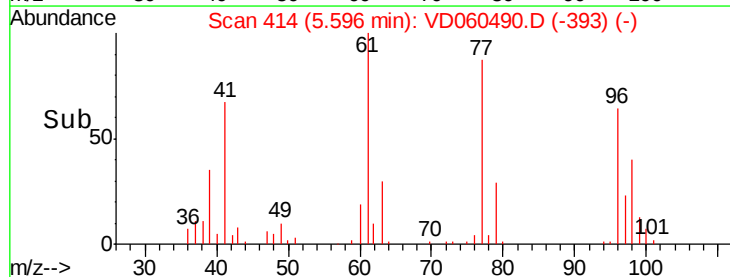
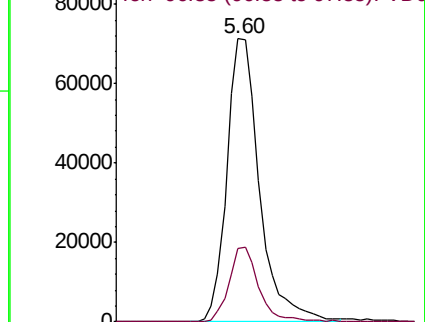
77 100

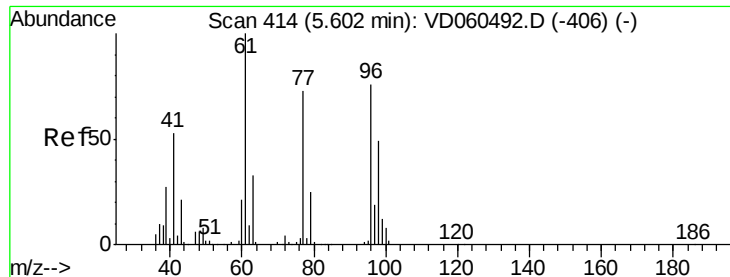
97 25.9 12.7 38.0



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: 9.977 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

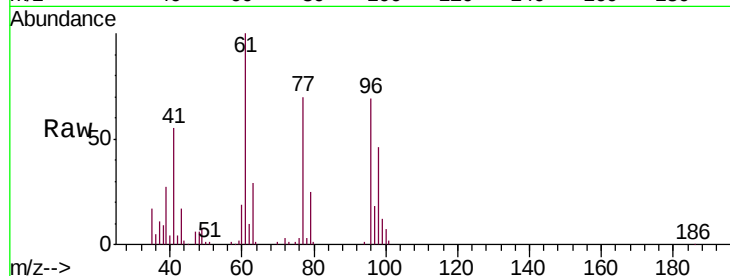
Tgt Ion: 96 Resp: 186428

Ion Ratio Lower Upper

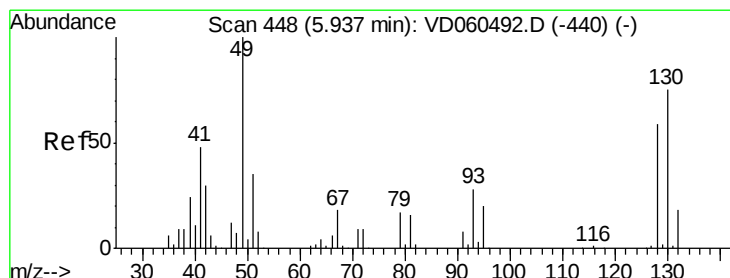
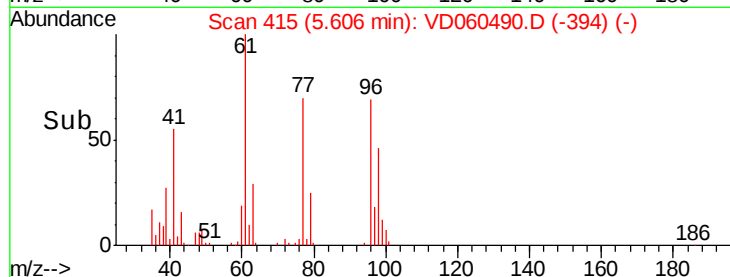
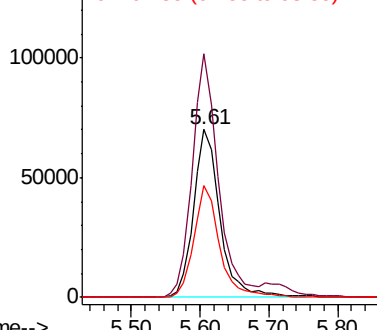
96 100

61 145.2 0.0 263.6

98 66.8 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: 10.152 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

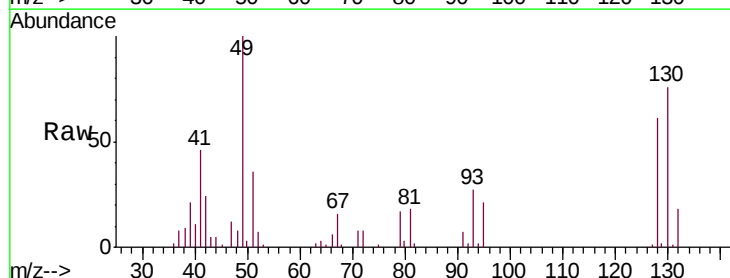
Tgt Ion: 49 Resp: 132875

Ion Ratio Lower Upper

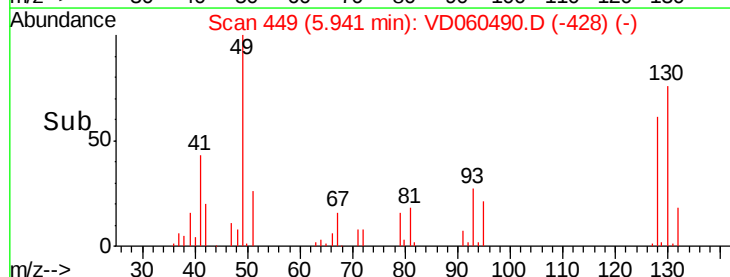
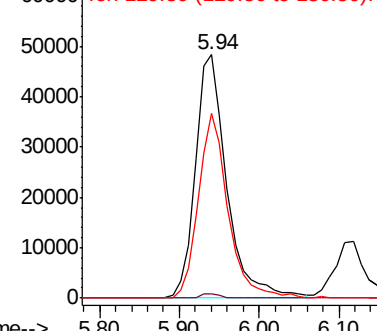
49 100

129 1.9 0.0 3.4

130 75.9 59.8 89.6



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

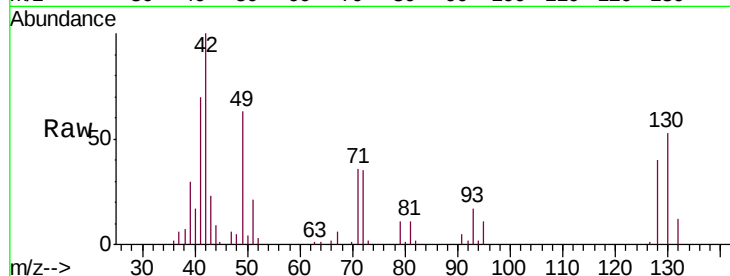




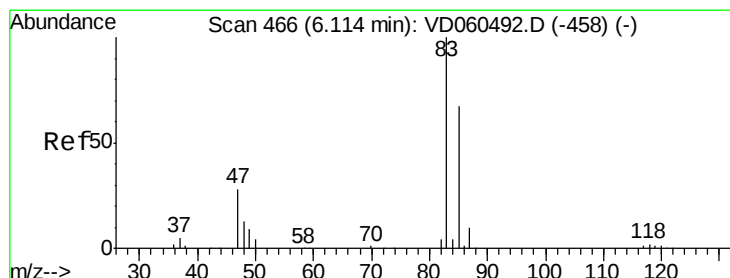
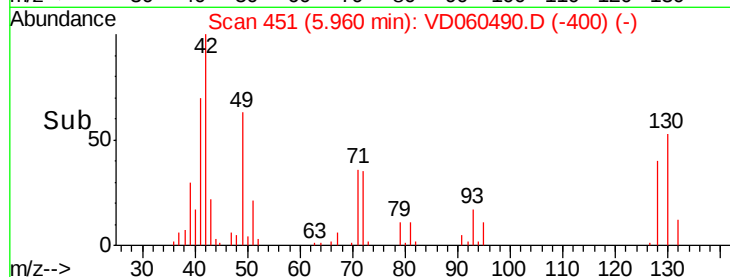
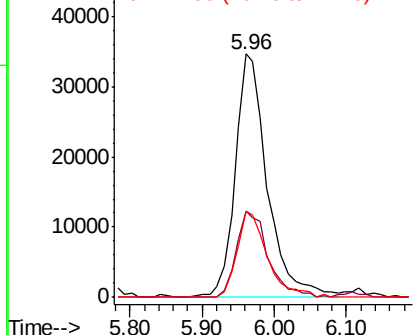
#29
Tetrahydrofuran
Concen: 47.882 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 42 Resp: 107508
Ion Ratio Lower Upper
42 100
72 34.6 28.0 42.0
71 33.4 27.2 40.8

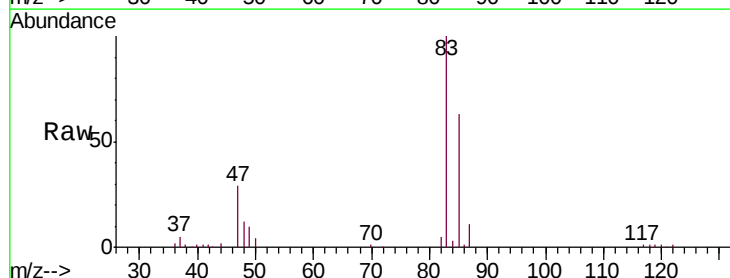


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

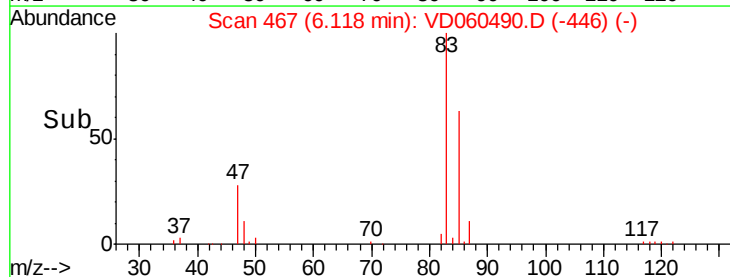
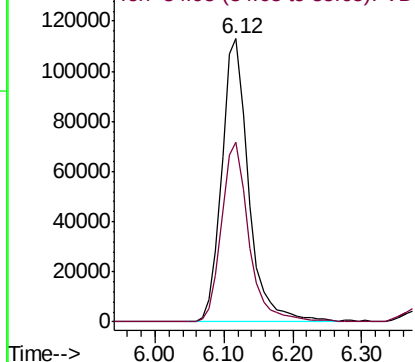


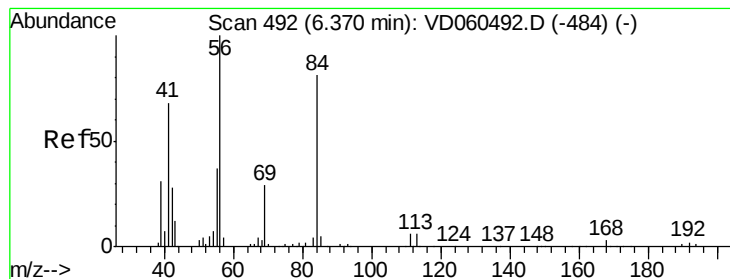
#30
Chloroform
Concen: 10.278 ug/l
RT: 6.12 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 83 Resp: 304846
Ion Ratio Lower Upper
83 100
85 63.5 53.4 80.2



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





#31

Cyclohexane

Concen: 10.656 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

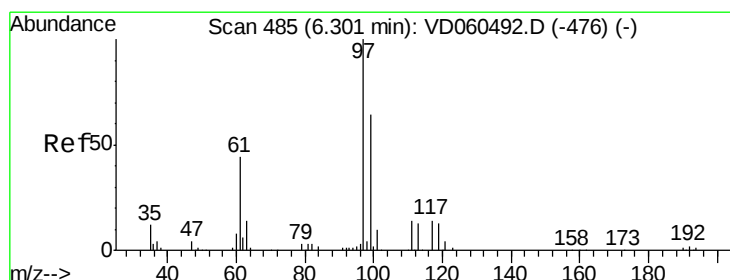
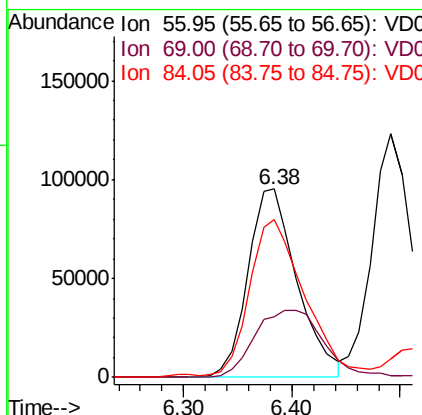
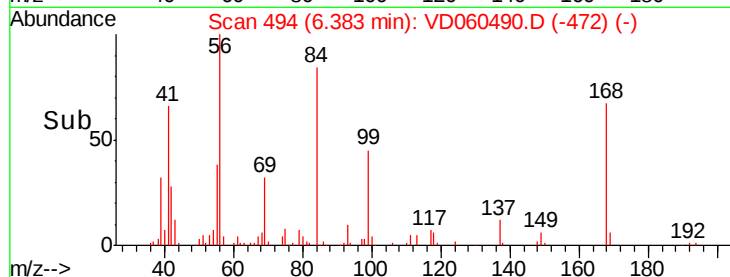
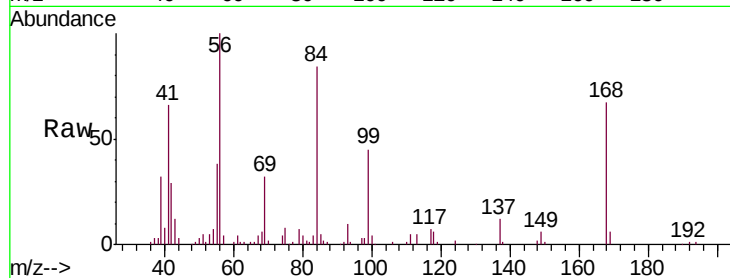
Tgt Ion: 56 Resp: 300946

Ion Ratio Lower Upper

56 100

69 31.9 22.8 34.2

84 83.8 65.1 97.7



#32

1,1,1-Trichloroethane

Concen: 9.966 ug/l

RT: 6.30 min Scan# 486

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

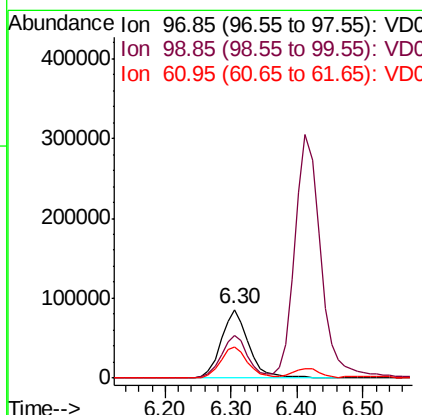
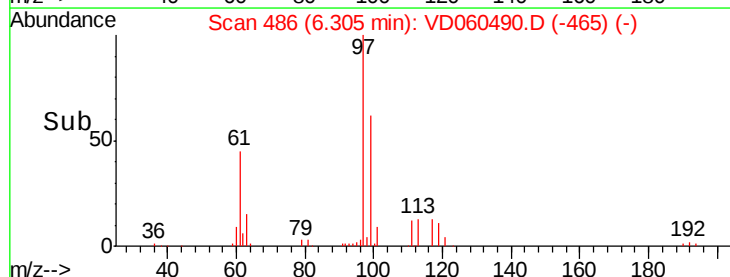
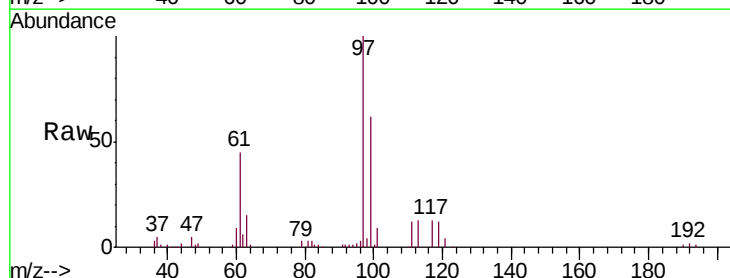
Tgt Ion: 97 Resp: 248245

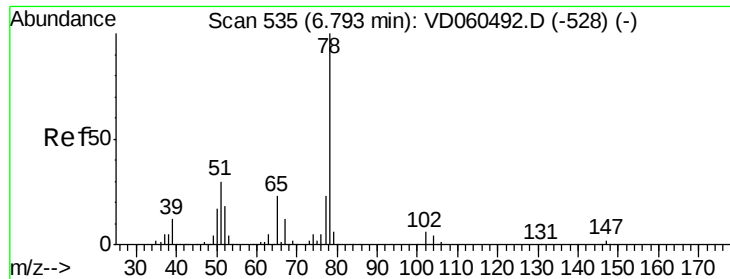
Ion Ratio Lower Upper

97 100

99 62.0 51.0 76.4

61 45.2 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 9.966 ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

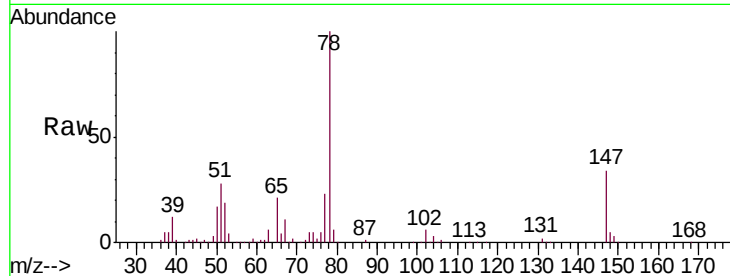
VSTDIC010

Tgt Ion: 65 Resp: 121038

Ion Ratio Lower Upper

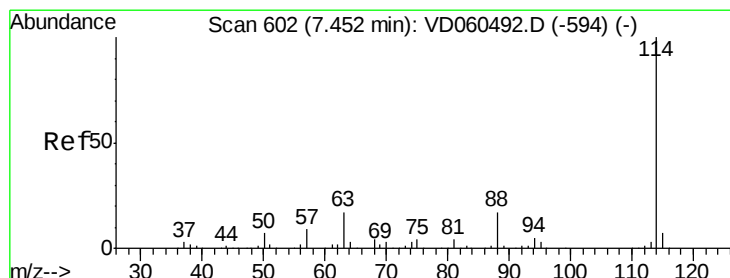
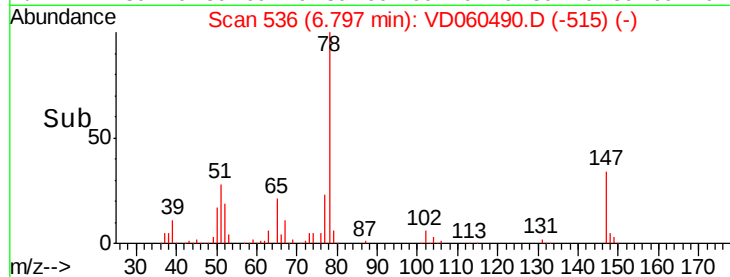
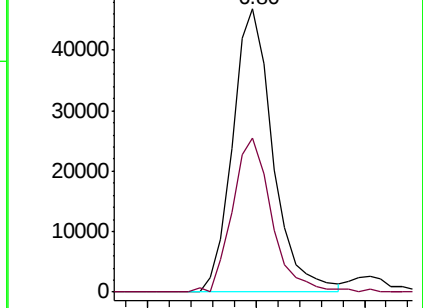
65 100

67 54.4 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

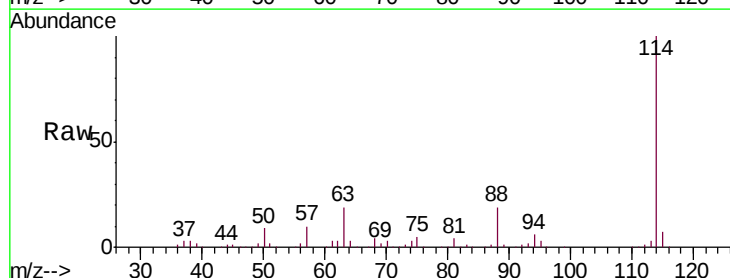
Tgt Ion: 114 Resp: 2306754

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.2

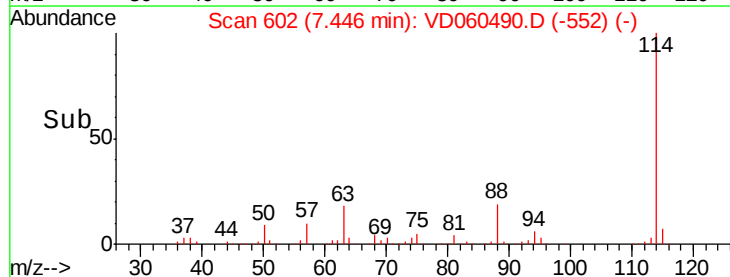
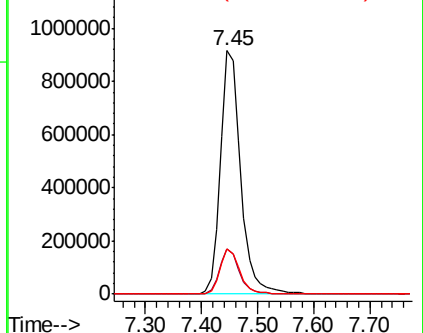
88 18.7 0.0 35.0

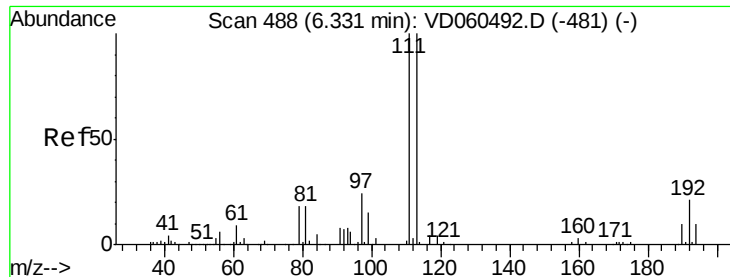


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

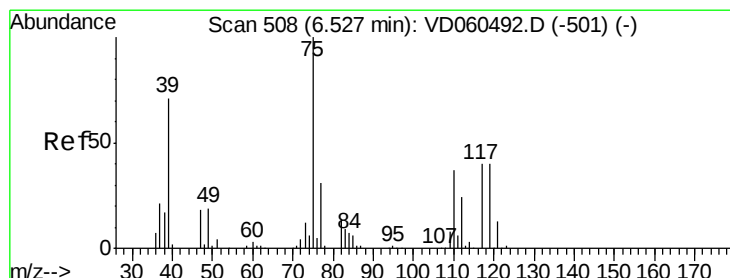
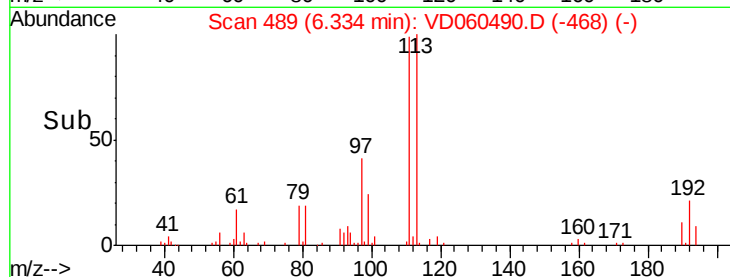
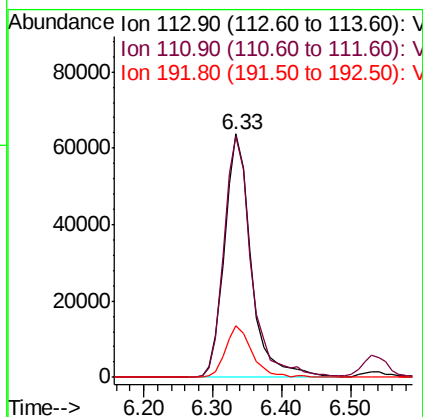
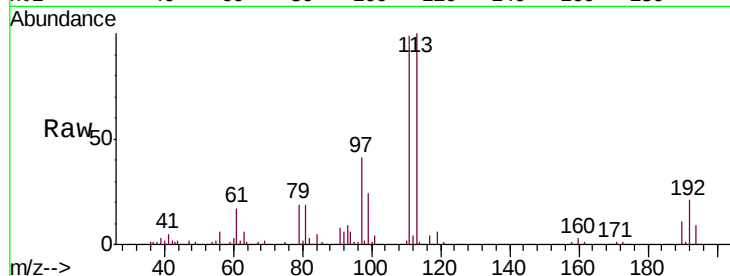




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 489
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

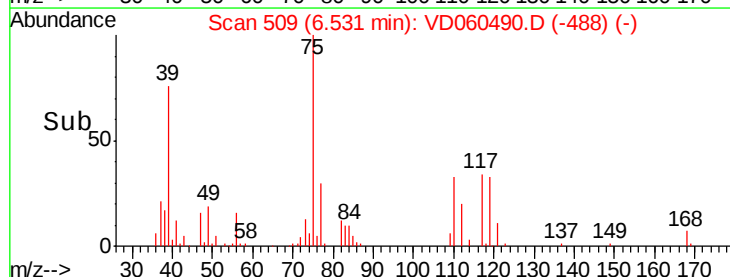
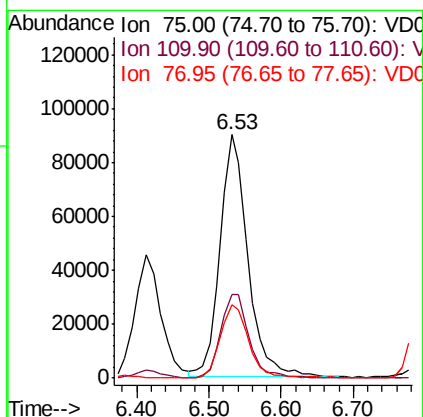
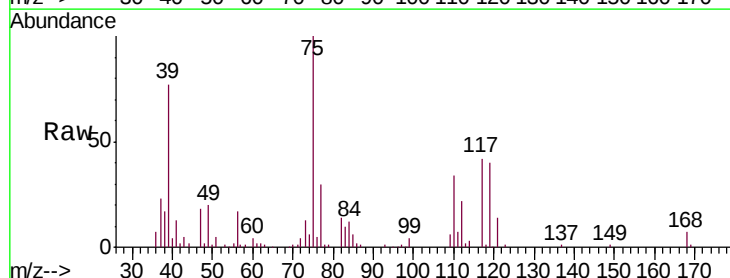
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

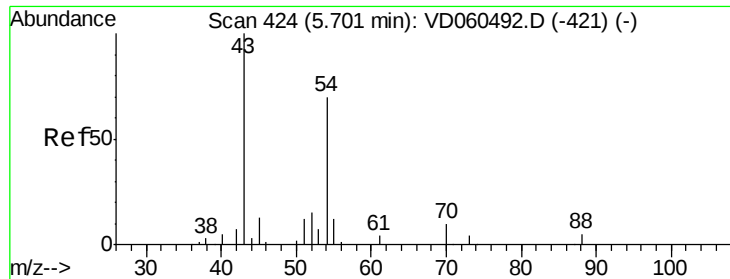
Tgt Ion:113 Resp: 171287
Ion Ratio Lower Upper
113 100
111 99.2 80.2 120.4
192 21.4 16.6 24.8



#36
1,1-Dichloropropene
Concen: 10.457 ug/l
RT: 6.53 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 75 Resp: 238445
Ion Ratio Lower Upper
75 100
110 34.2 18.3 54.8
77 30.3 24.6 37.0

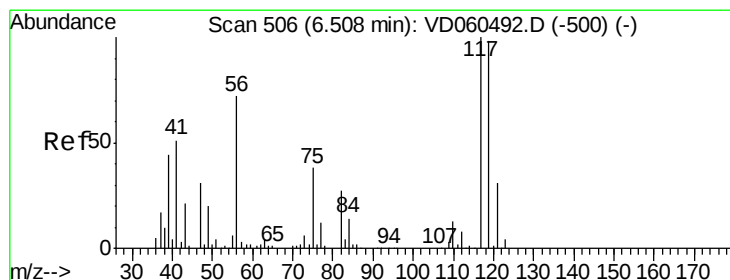
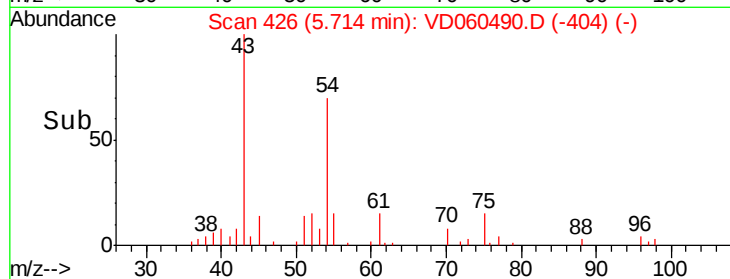
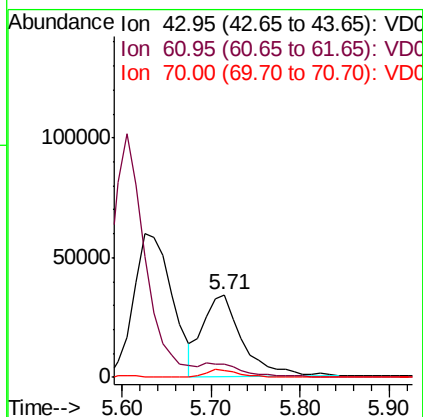
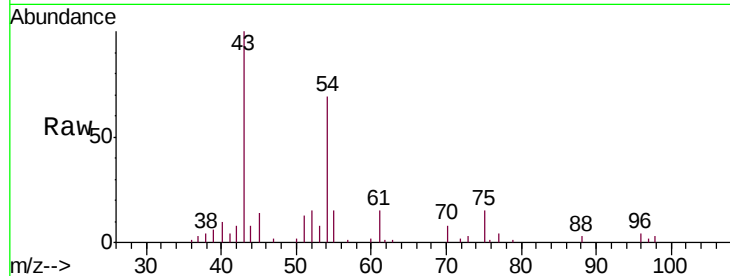




#37
Ethyl Acetate
Concen: 9.877 ug/l
RT: 5.71 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

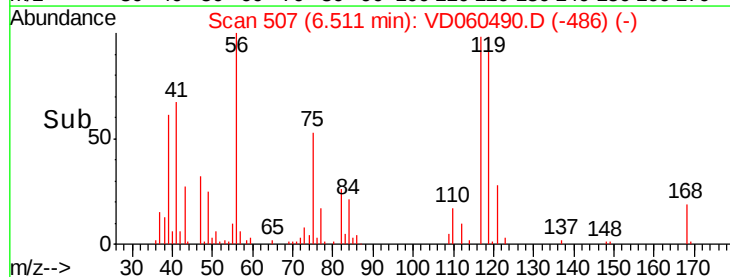
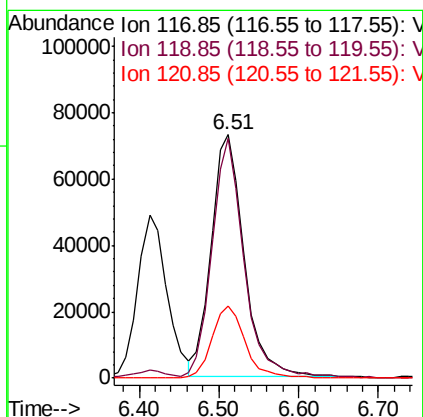
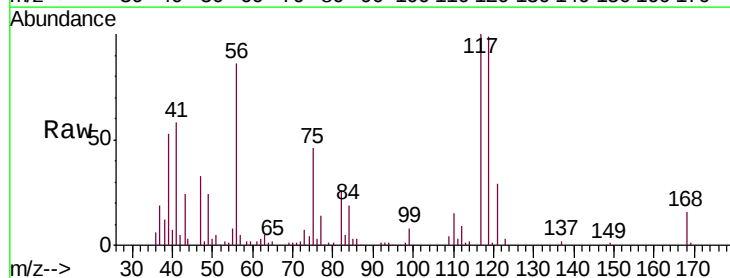
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

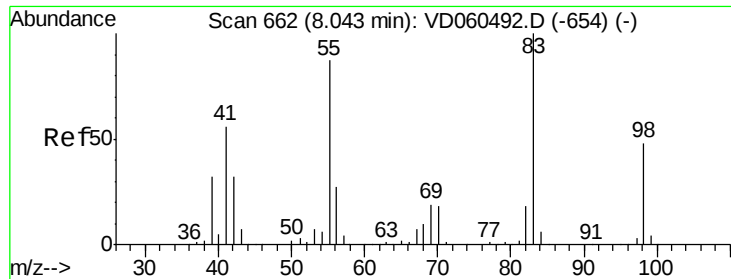
Tgt Ion: 43 Resp: 103158
Ion Ratio Lower Upper
43 100
61 15.3 12.4 18.6
70 7.6 5.4 8.0



#38
Carbon Tetrachloride
Concen: 10.003 ug/l
RT: 6.51 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 117 Resp: 210435
Ion Ratio Lower Upper
117 100
119 98.7 76.8 115.2
121 29.4 24.4 36.6

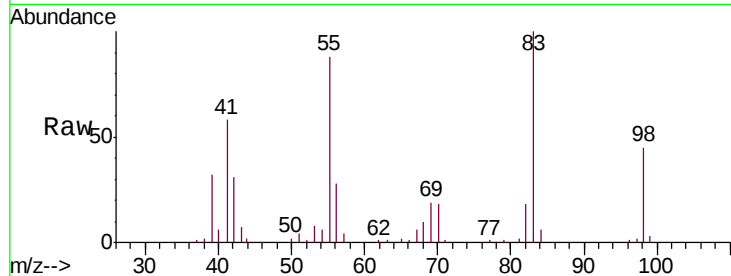




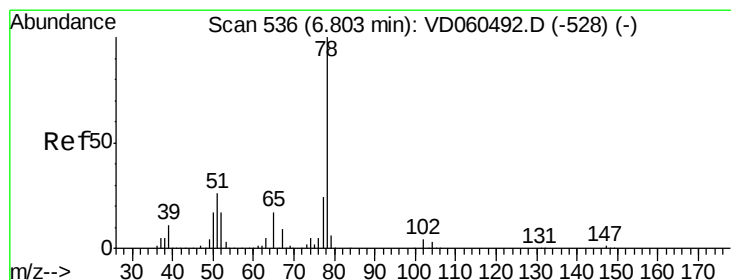
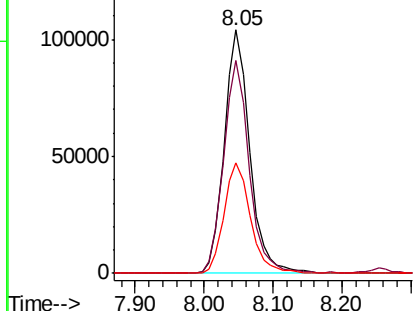
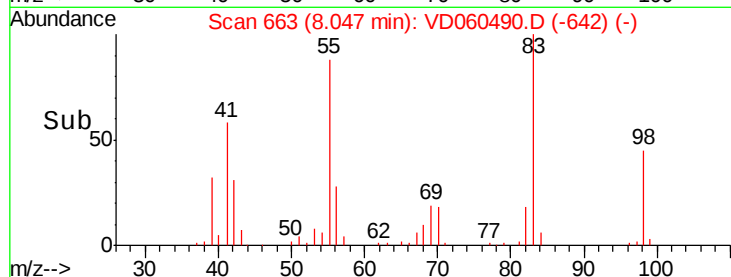
#39
Methylcyclohexane
Concen: 10.224 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 267403
Ion Ratio Lower Upper
83 100
55 87.6 69.8 104.8
98 45.5 38.4 57.6

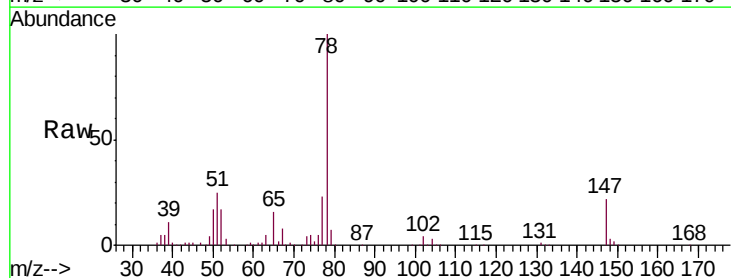


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

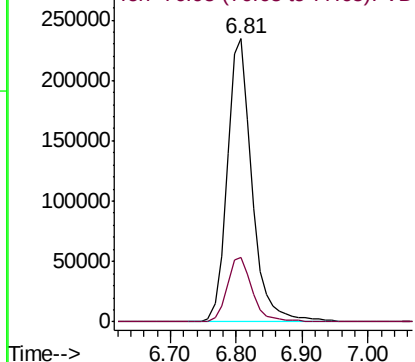
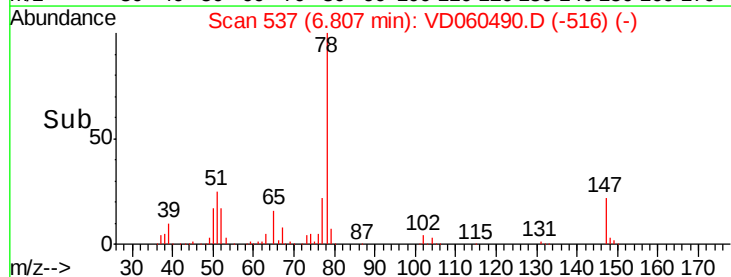


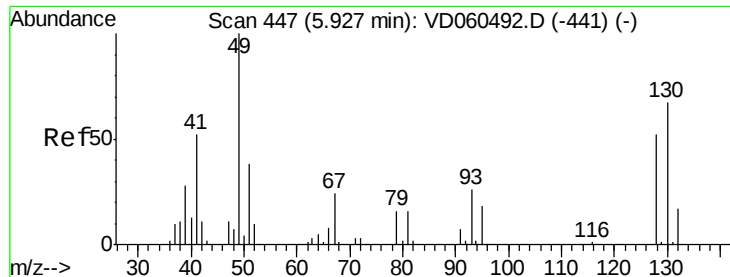
#40
Benzene
Concen: 10.635 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 78 Resp: 617106
Ion Ratio Lower Upper
78 100
77 23.0 18.9 28.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 10.677 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.03 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 115262

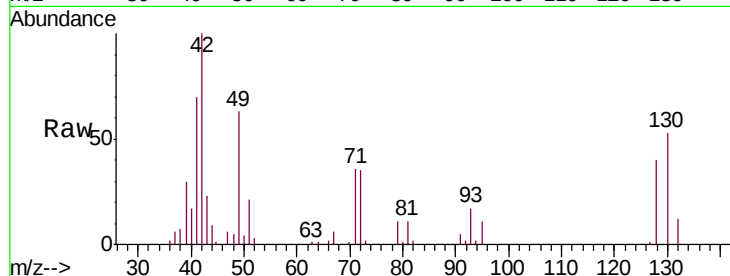
Ion Ratio Lower Upper

41 100

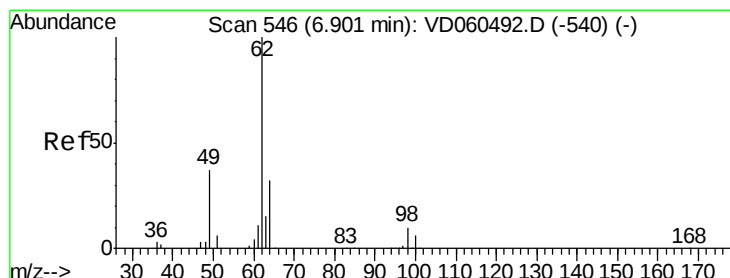
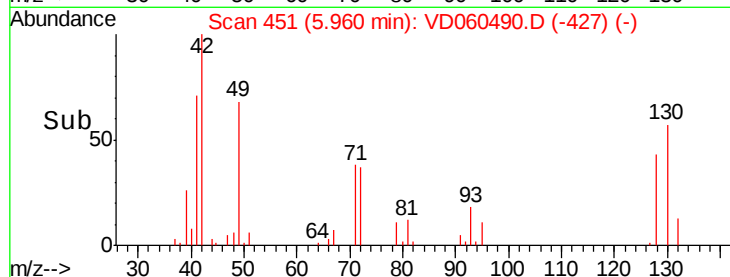
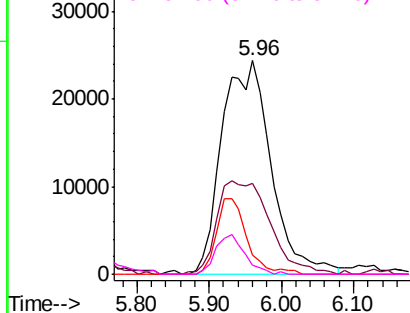
39 42.4 42.6 63.8#

67 8.8 36.2 54.4#

52 4.3 15.6 23.4#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 10.222 ug/l

RT: 6.91 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD060490.D

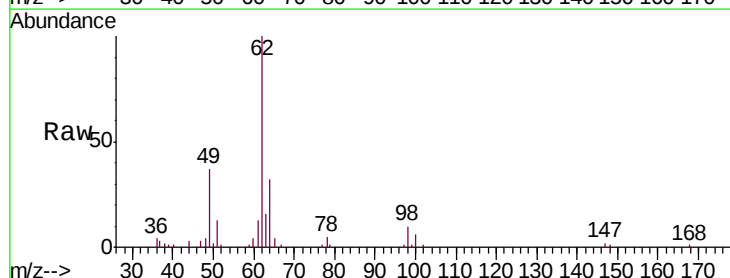
Acq: 5 Dec 2018 14:08

Tgt Ion: 62 Resp: 154335

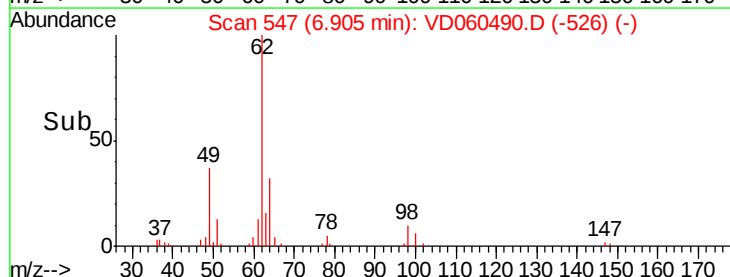
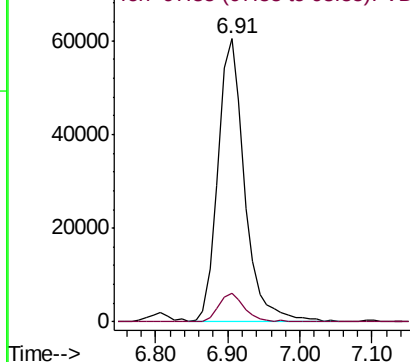
Ion Ratio Lower Upper

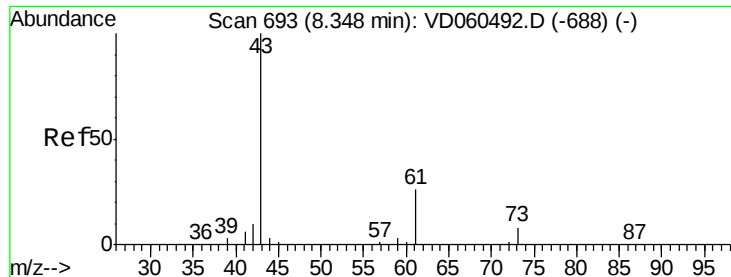
62 100

98 10.2 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 9.334 ug/l

RT: 8.35 min Scan# 694

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

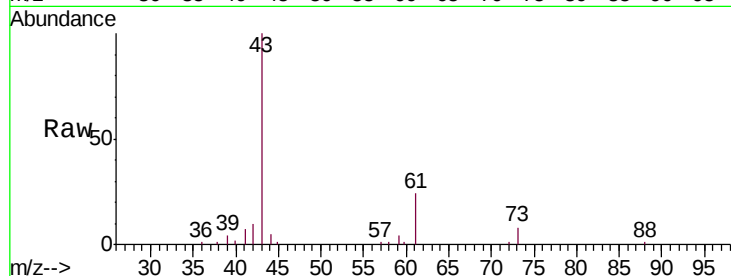
Tgt Ion: 43 Resp: 121415

Ion Ratio Lower Upper

43 100

61 24.2 21.0 31.4

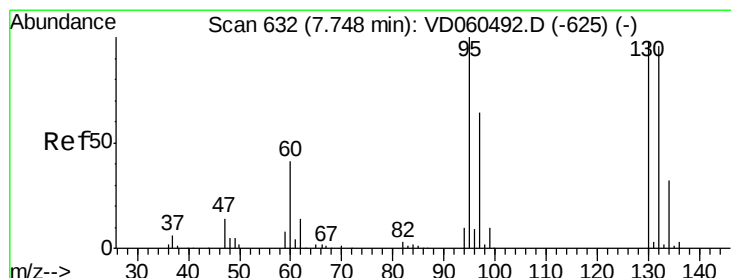
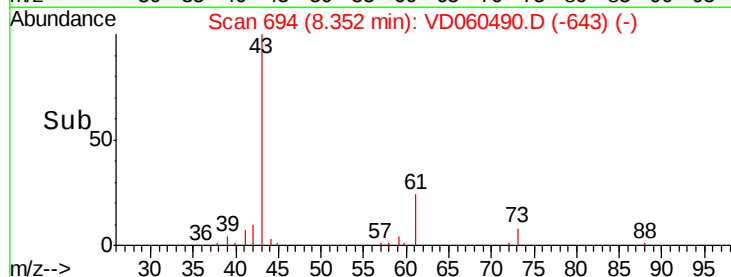
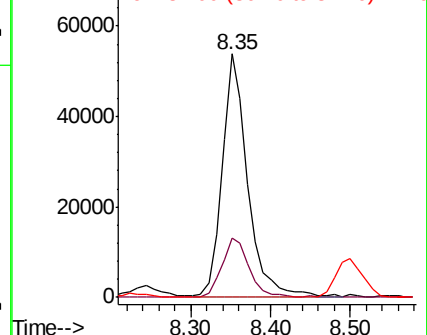
87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 9.880 ug/l

RT: 7.75 min Scan# 633

Delta R.T. 0.00 min

Lab File: VD060490.D

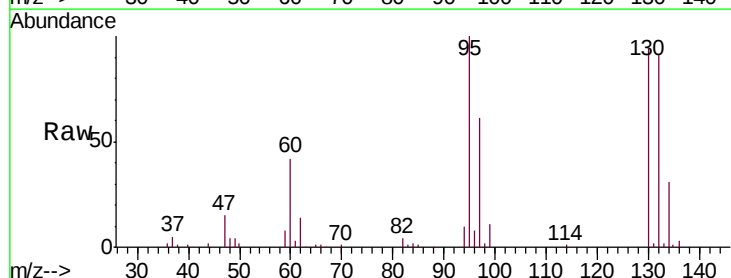
Acq: 5 Dec 2018 14:08

Tgt Ion: 130 Resp: 173924

Ion Ratio Lower Upper

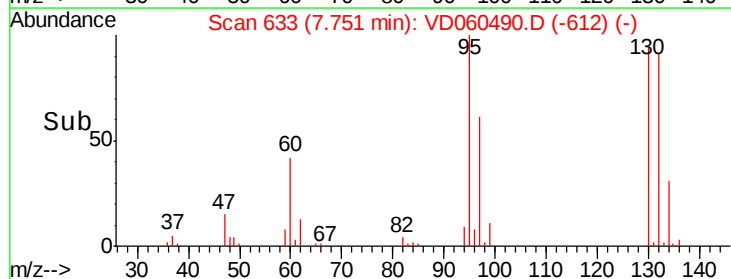
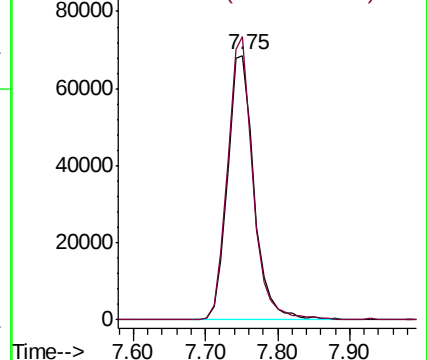
130 100

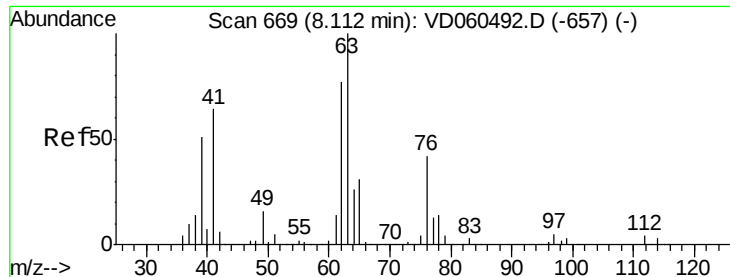
95 106.9 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 10.088 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

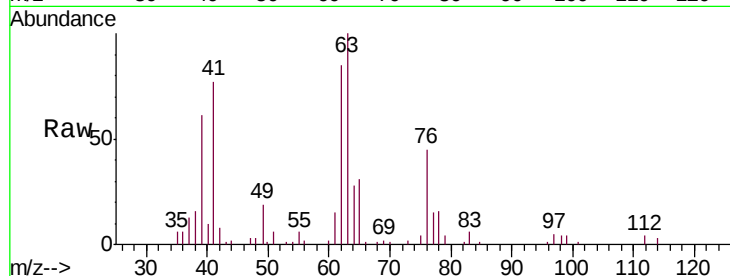
VSTDIC010

Tgt Ion: 63 Resp: 147279

Ion Ratio Lower Upper

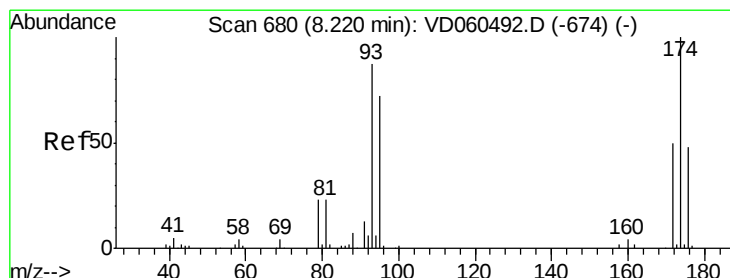
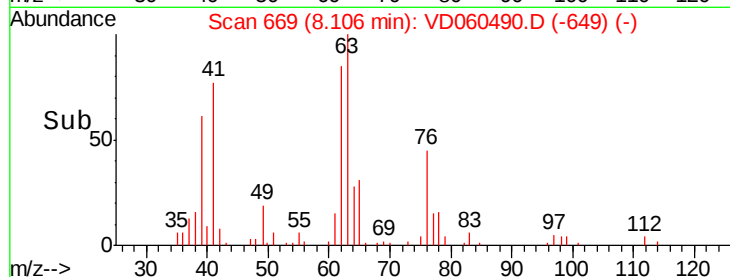
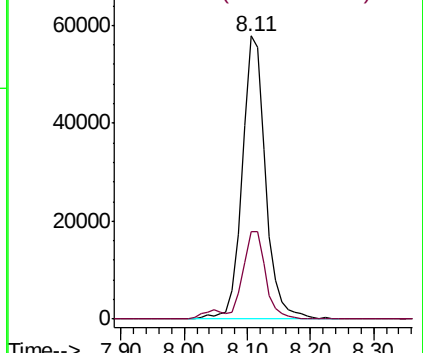
63 100

65 31.1 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: 10.078 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

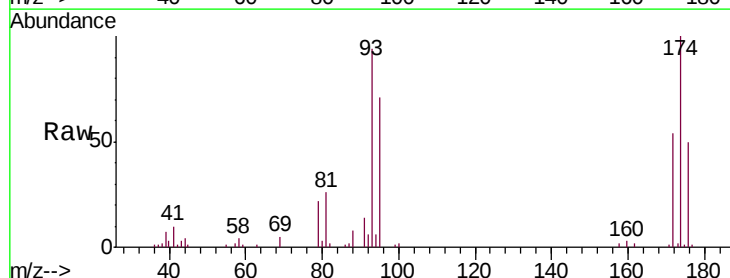
Tgt Ion: 93 Resp: 86332

Ion Ratio Lower Upper

93 100

95 75.2 65.6 98.4

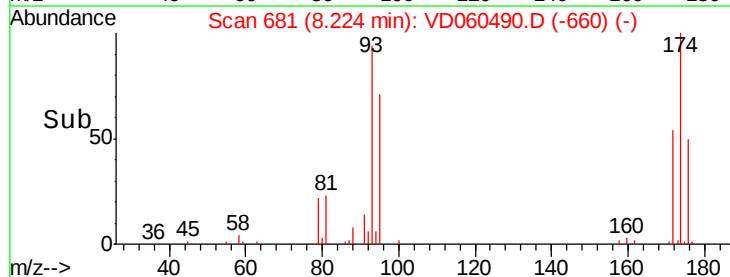
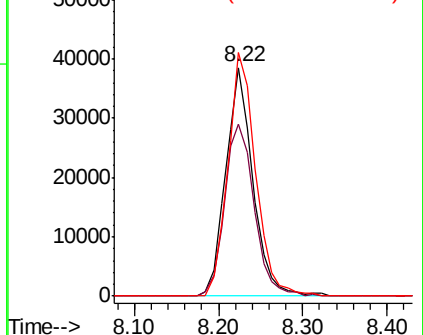
174 106.6 91.7 137.5

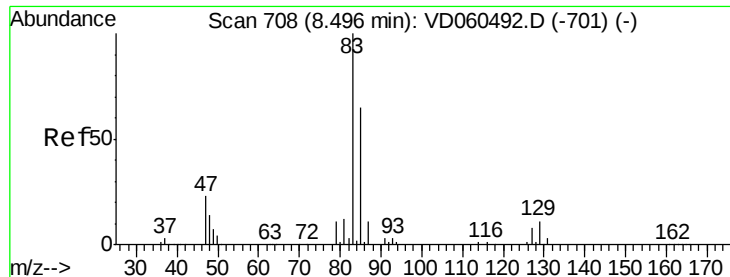


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 9.751 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

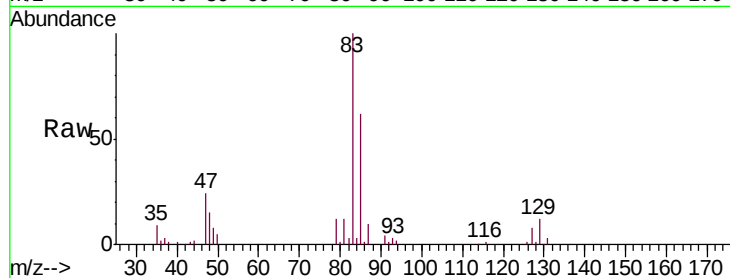
Tgt Ion: 83 Resp: 196030

Ion Ratio Lower Upper

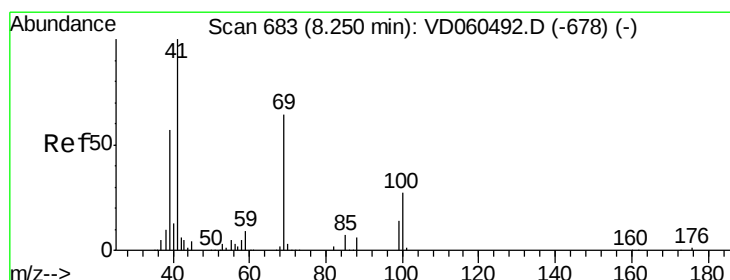
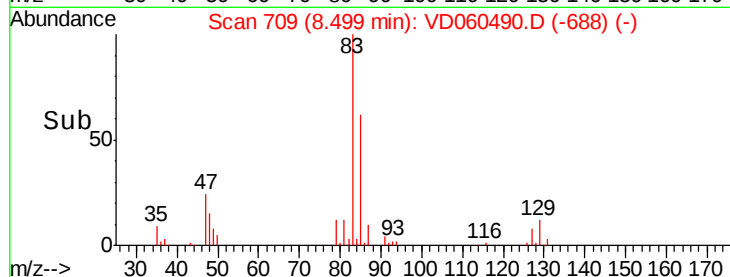
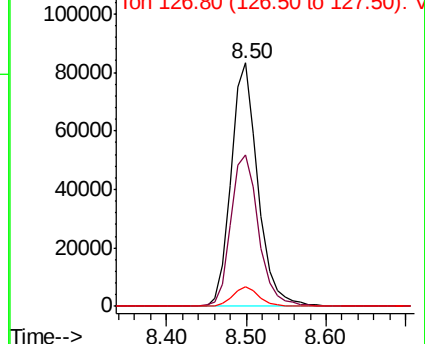
83 100

85 62.3 52.2 78.4

127 8.3 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: 8.756 ug/l

RT: 8.25 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

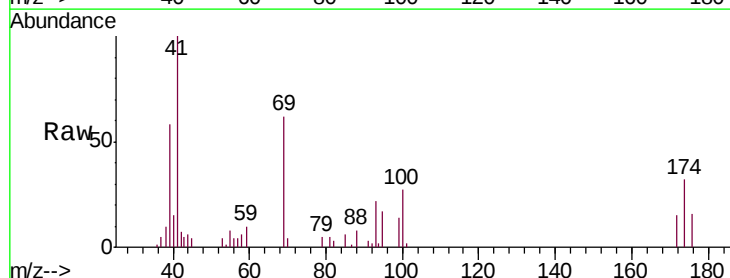
Tgt Ion: 41 Resp: 69471

Ion Ratio Lower Upper

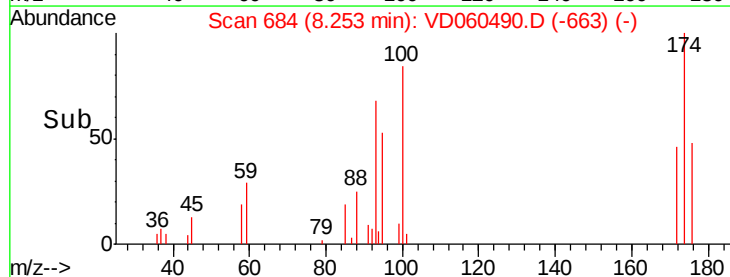
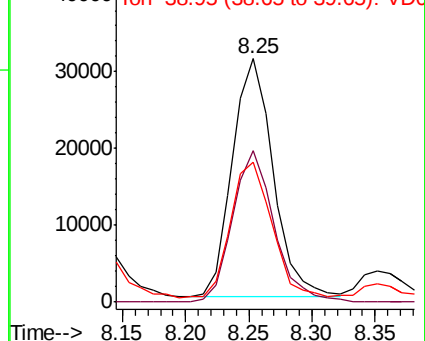
41 100

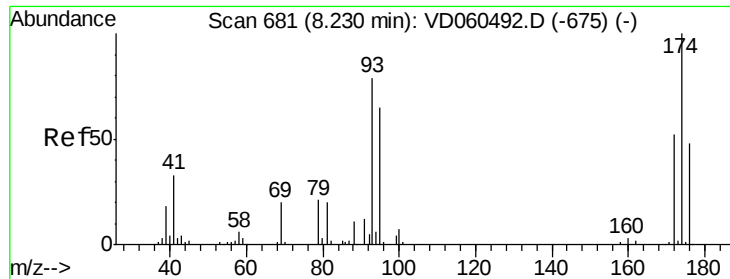
69 62.1 50.2 75.4

39 57.5 46.1 69.1



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

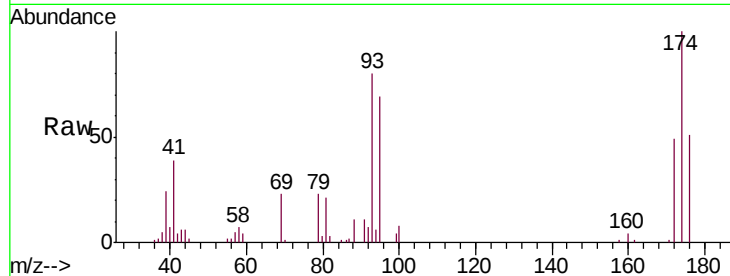




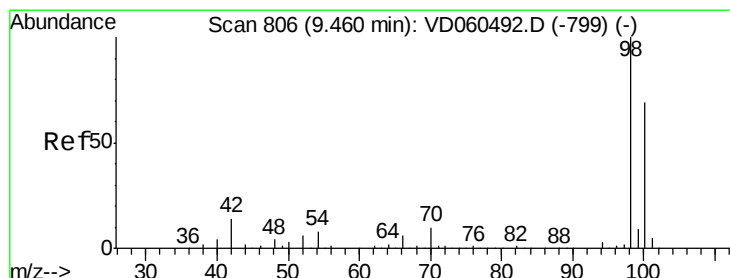
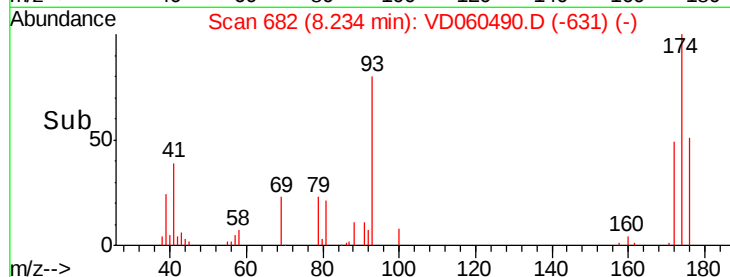
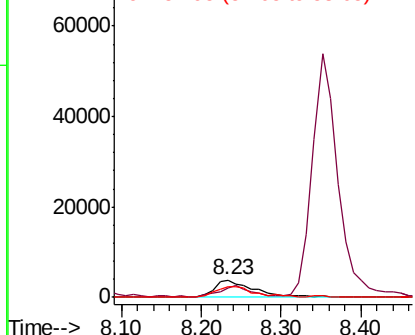
#49
1,4-Dioxane
Concen: 185.691 ug/l
RT: 8.23 min Scan# 682
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 88 Resp: 12869
Ion Ratio Lower Upper
88 100
43 53.0 32.9 49.3#
58 63.1 47.7 71.5

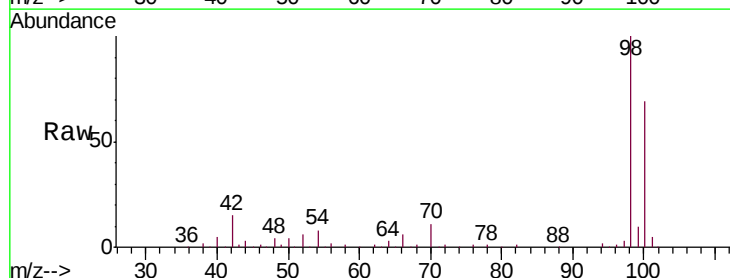


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

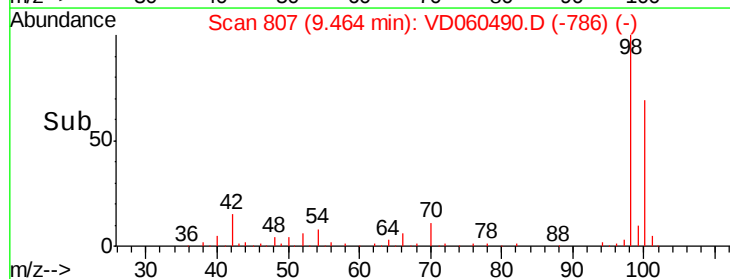
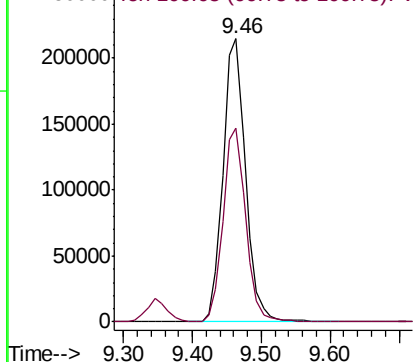


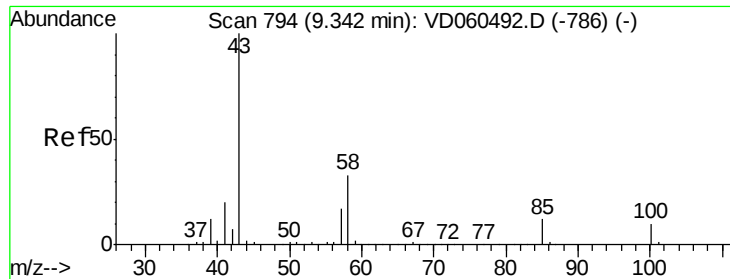
#50
Toluene-d8
Concen: 185.691 ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 98 Resp: 486965
Ion Ratio Lower Upper
98 100
100 68.6 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: 44.680 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

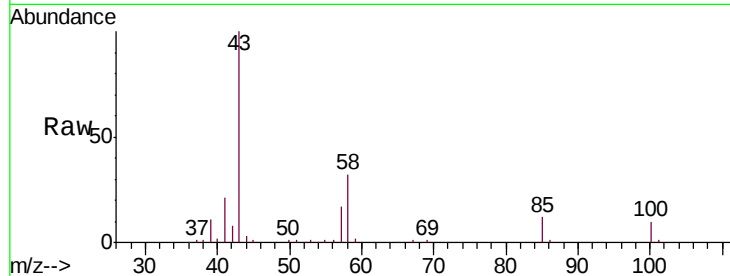
VSTDIC010

Tgt Ion: 43 Resp: 378758

Ion Ratio Lower Upper

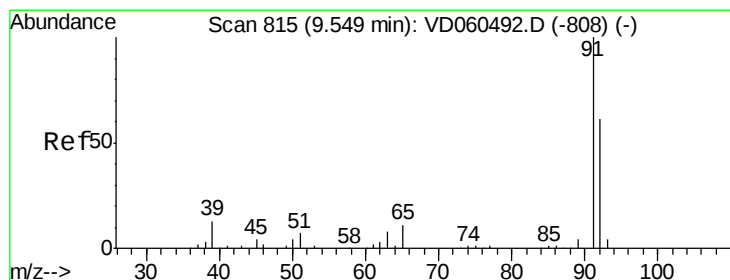
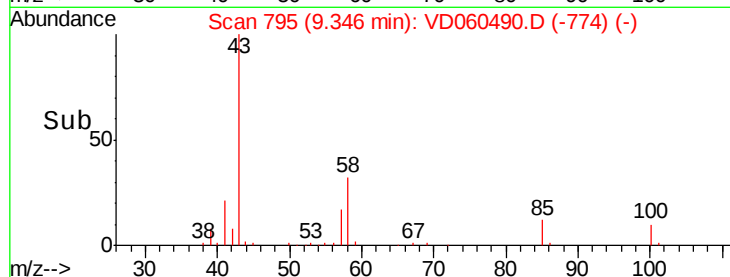
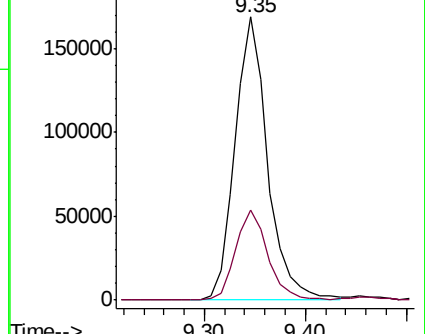
43 100

58 32.0 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: 10.124 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD060490.D

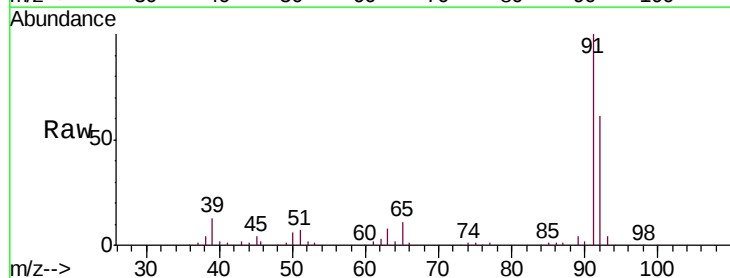
Acq: 5 Dec 2018 14:08

Tgt Ion: 92 Resp: 374836

Ion Ratio Lower Upper

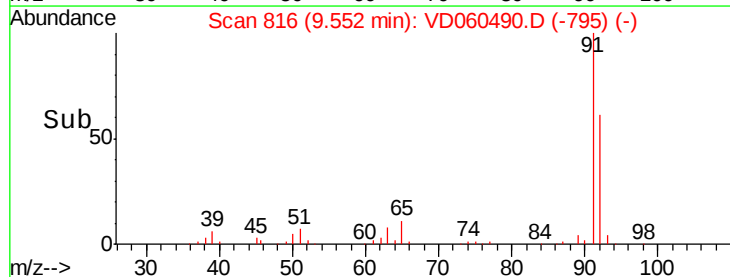
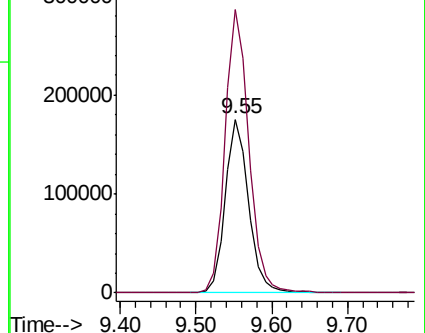
92 100

91 163.2 131.7 197.5



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: 9.487 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

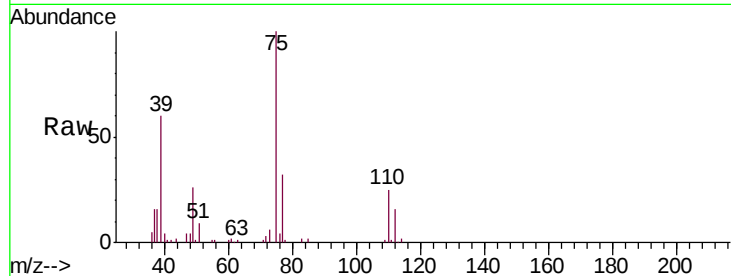
VSTDIC010

Tgt Ion: 75 Resp: 160426

Ion Ratio Lower Upper

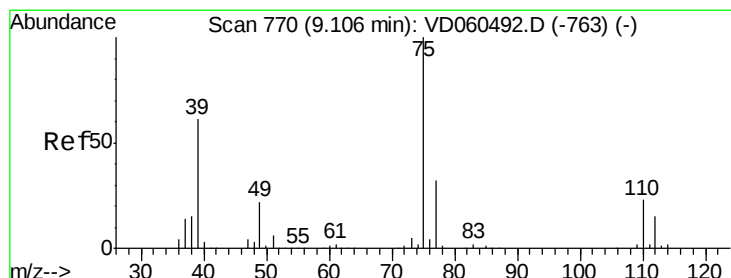
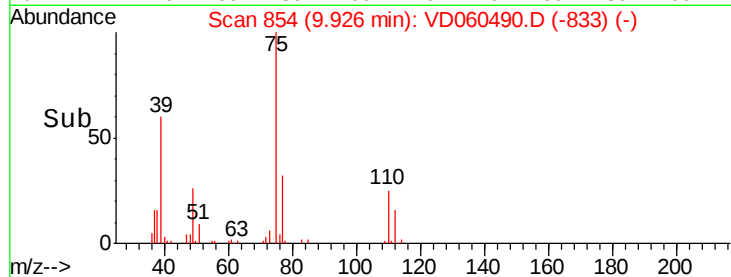
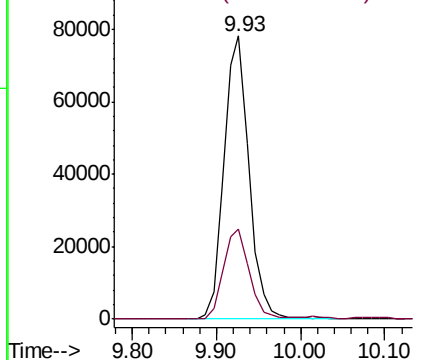
75 100

77 31.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 9.758 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

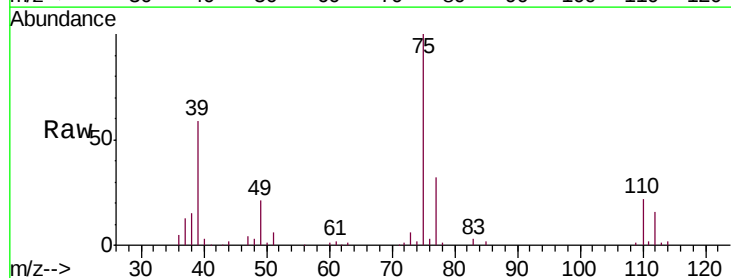
Tgt Ion: 75 Resp: 213373

Ion Ratio Lower Upper

75 100

77 32.5 25.6 38.4

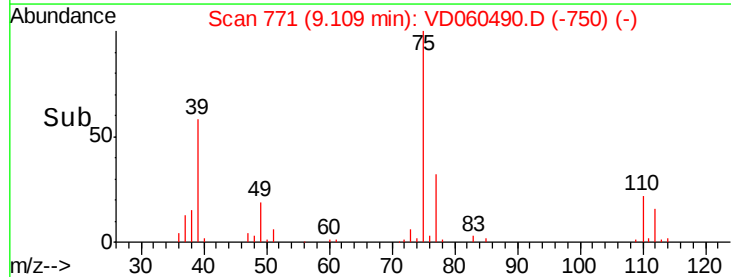
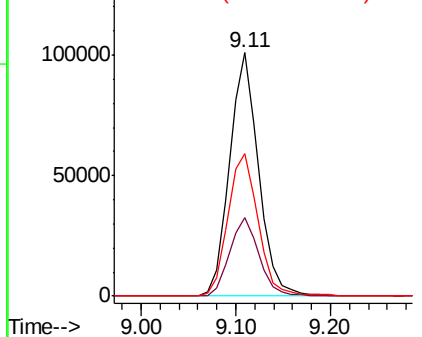
39 58.8 48.6 73.0

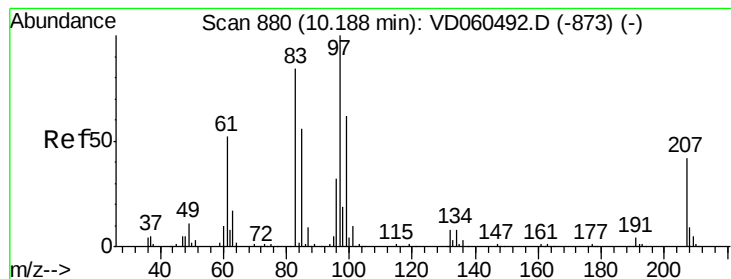


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 9.735 ug/l

RT: 10.18 min Scan# 880

Delta R.T. -0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 104372

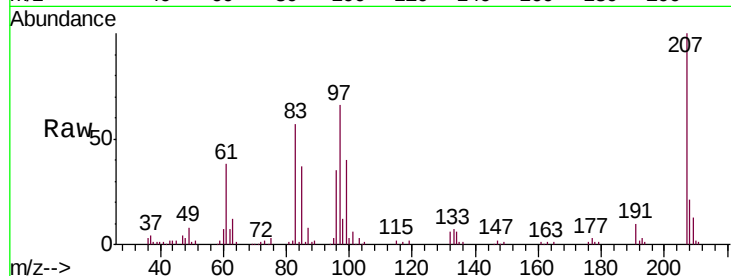
Ion Ratio Lower Upper

97 100

83 87.5 67.2 100.8

85 56.4 44.5 66.7

99 60.7 49.3 73.9

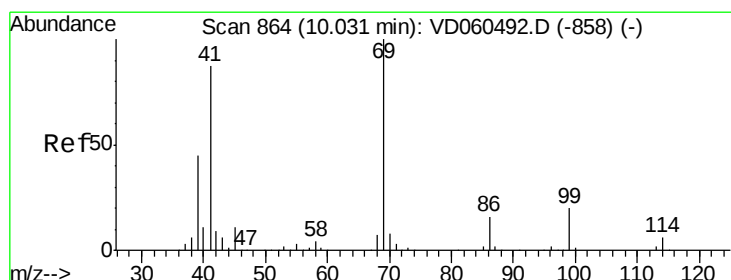
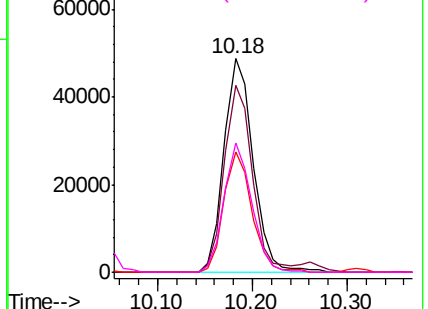
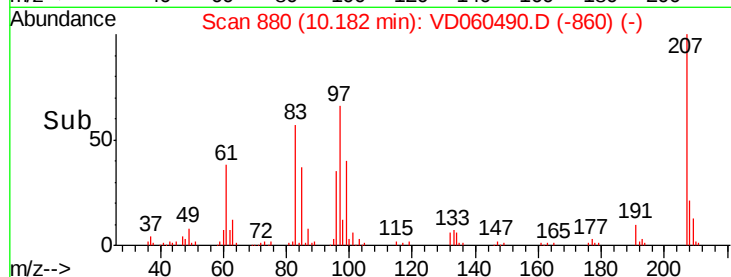


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 9.095 ug/l

RT: 10.03 min Scan# 865

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

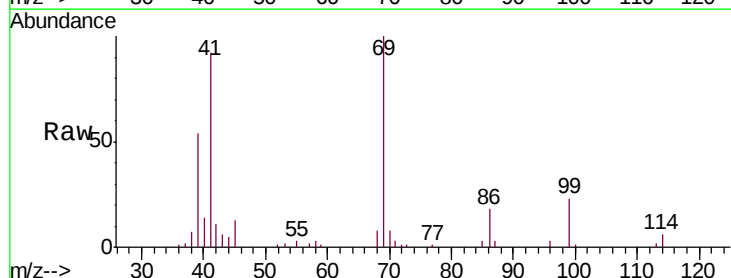
Tgt Ion: 69 Resp: 89044

Ion Ratio Lower Upper

69 100

41 92.5 69.8 104.8

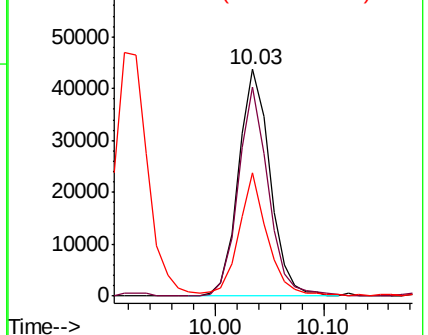
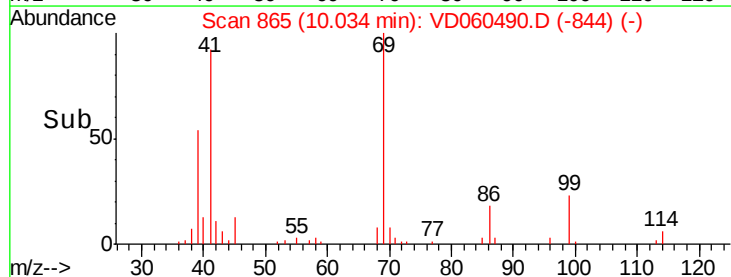
39 54.3 37.5 56.3

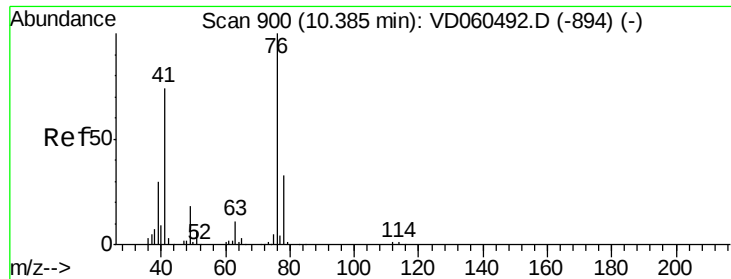


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 10.003 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

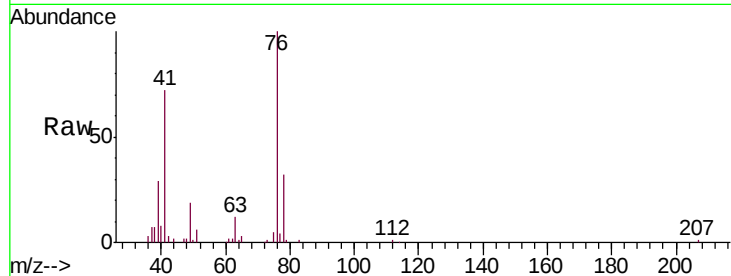
VSTDIC010

Tgt Ion: 76 Resp: 162796

Ion Ratio Lower Upper

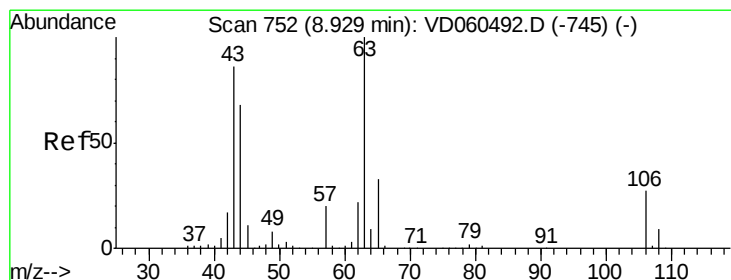
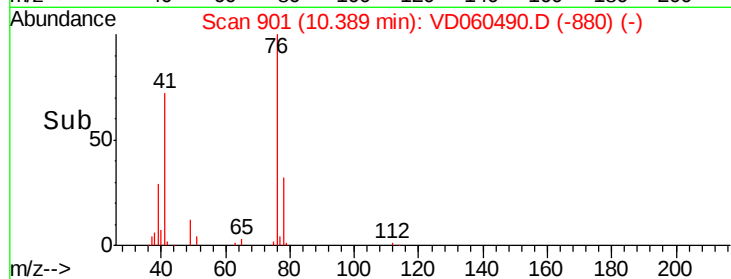
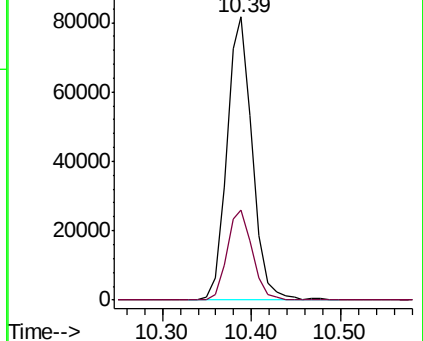
76 100

78 31.9 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 51.286 ug/l

RT: 8.93 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD060490.D

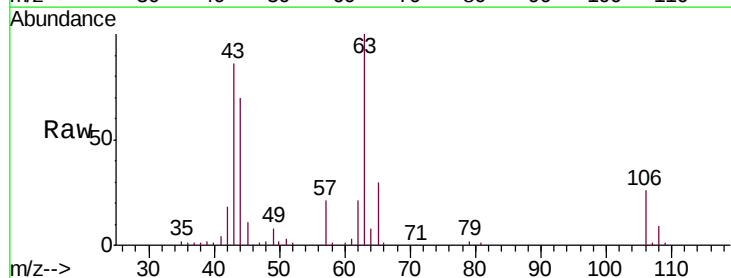
Acq: 5 Dec 2018 14:08

Tgt Ion: 63 Resp: 302110

Ion Ratio Lower Upper

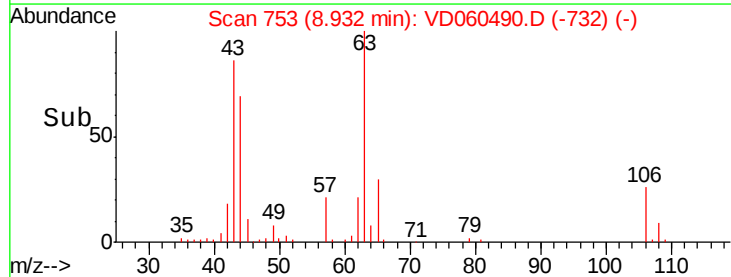
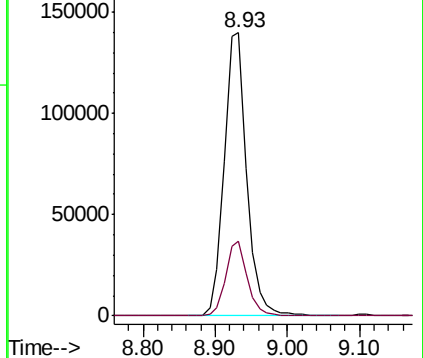
63 100

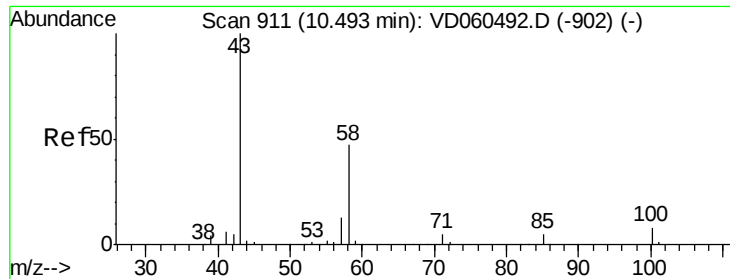
106 26.4 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

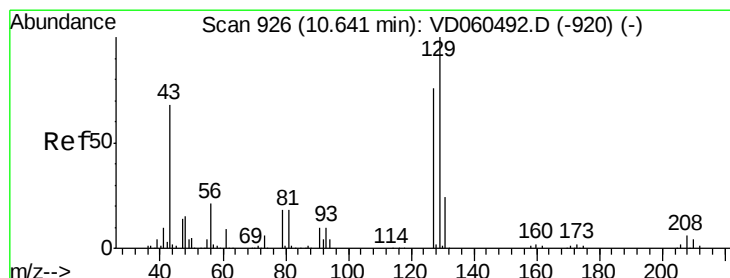
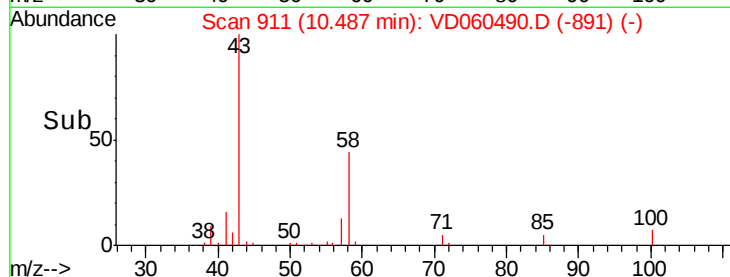
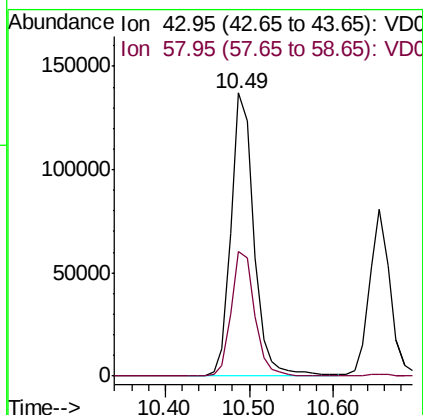
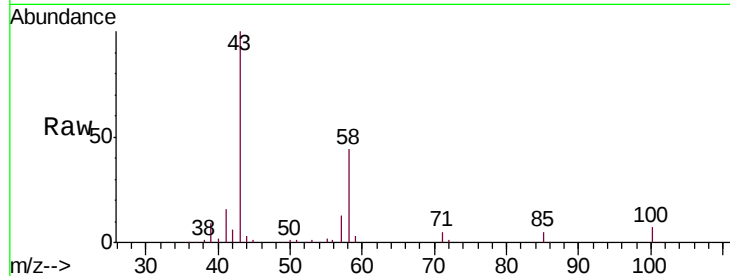




#59
2-Hexanone
Concen: 43.394 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

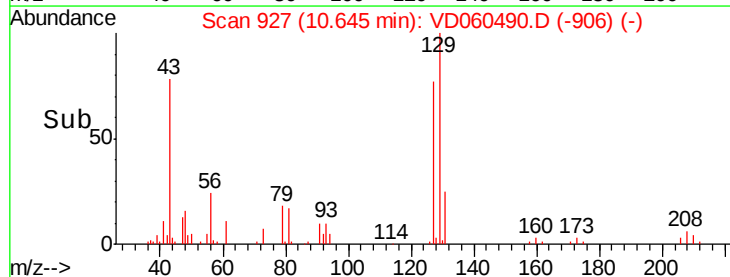
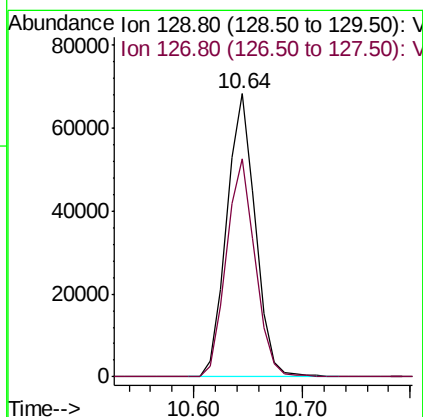
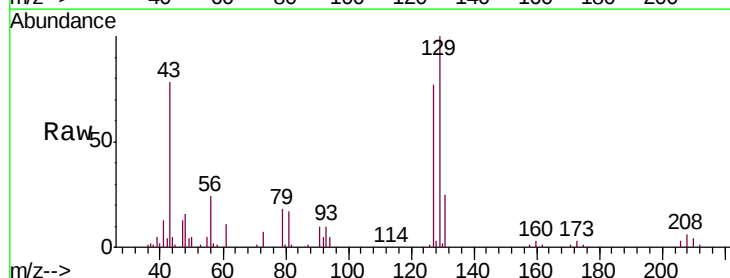
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

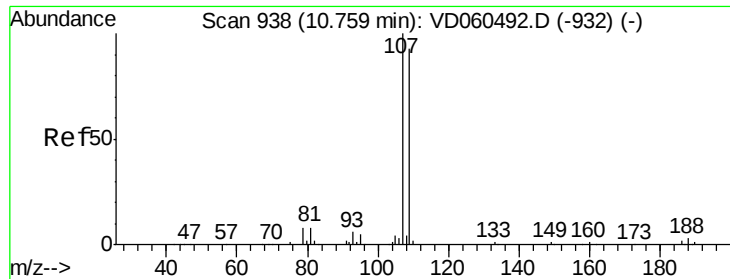
Tgt Ion: 43 Resp: 260718
Ion Ratio Lower Upper
43 100
58 44.0 23.4 70.2



#60
Dibromochloromethane
Concen: 9.638 ug/l
RT: 10.64 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 129 Resp: 125401
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.3





#61

1,2-Dibromoethane

Concen: 9.612 ug/l

RT: 10.76 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

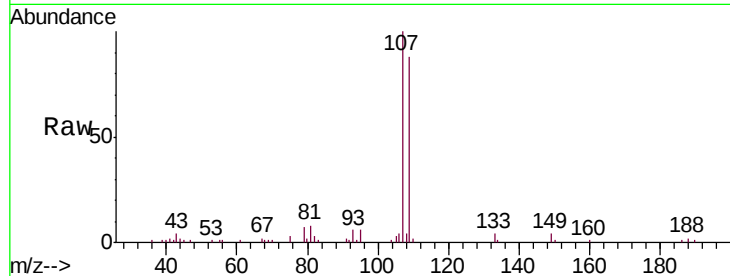
VSTDIC010

Tgt Ion: 107 Resp: 103098

Ion Ratio Lower Upper

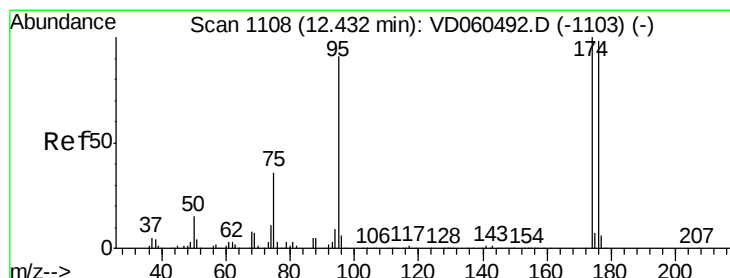
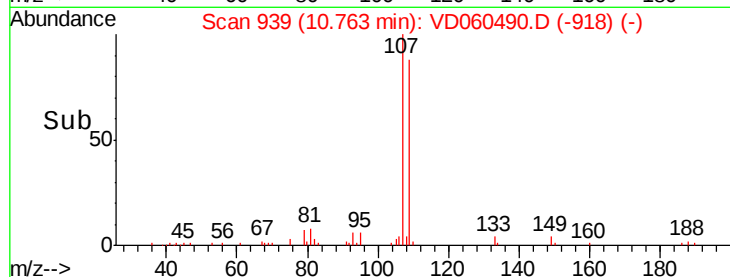
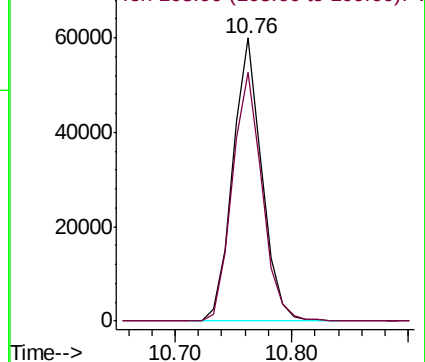
107 100

109 88.0 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: 9.612 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

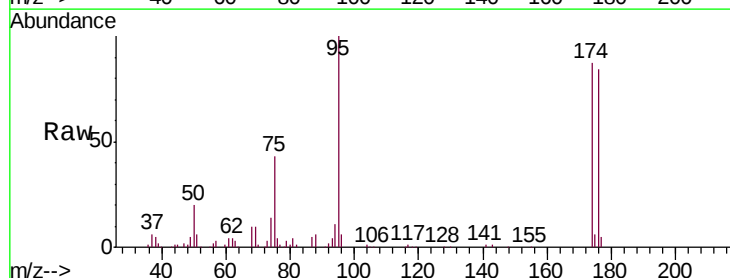
Tgt Ion: 95 Resp: 175865

Ion Ratio Lower Upper

95 100

174 86.8 0.0 219.4

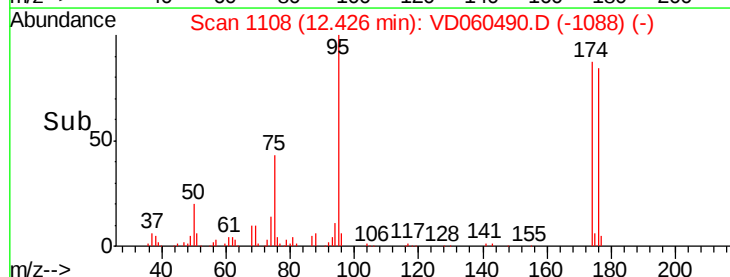
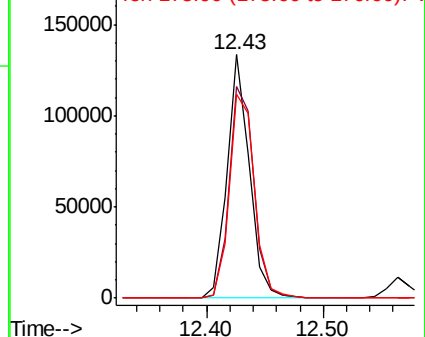
176 84.0 0.0 214.6

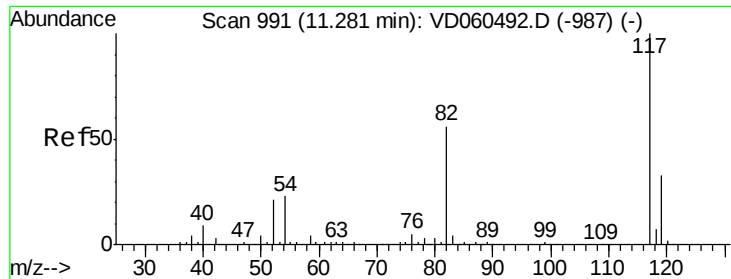


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

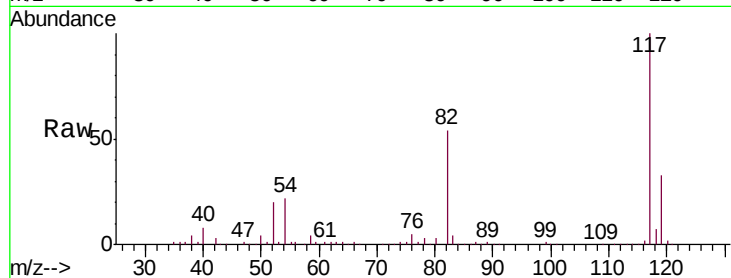




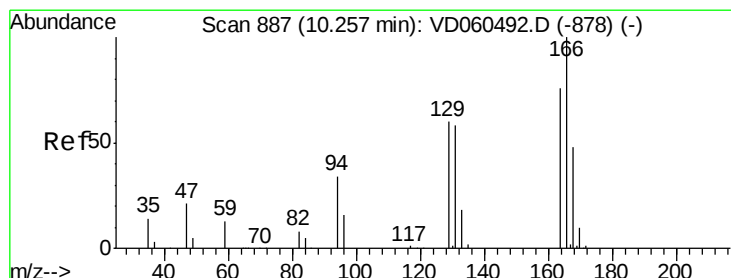
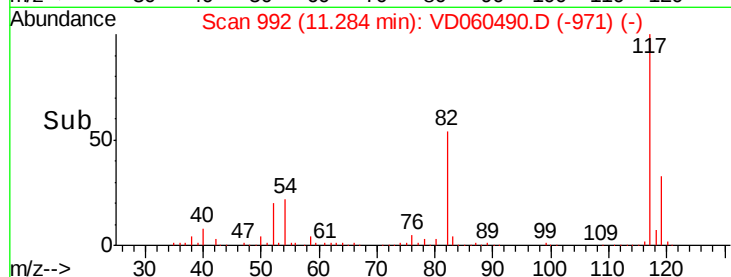
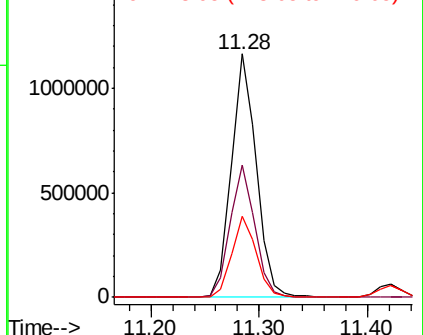
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 1867710
Ion Ratio Lower Upper
117 100
82 54.5 45.2 67.8
119 33.4 26.1 39.1

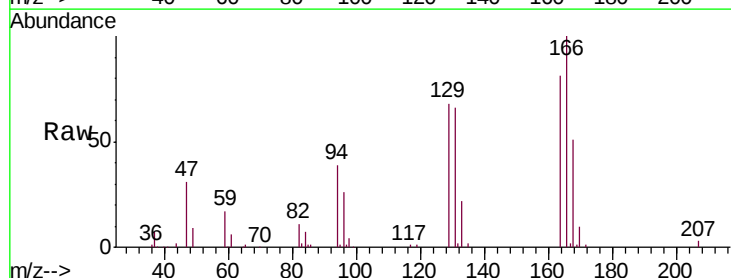


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

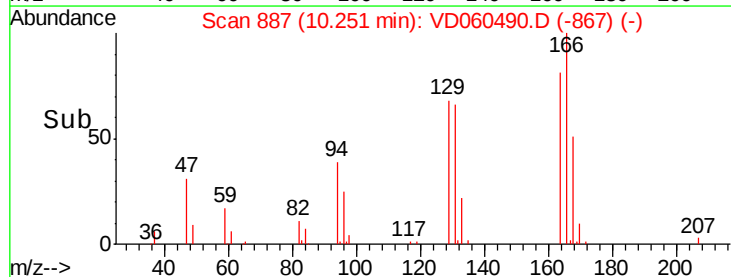
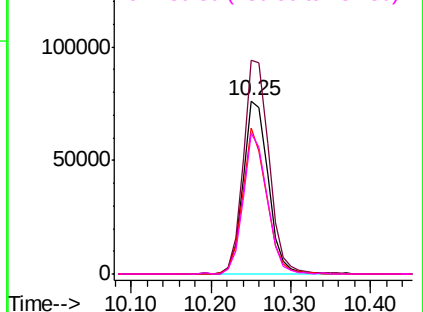


#64
Tetrachloroethene
Concen: 9.831 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion:164 Resp: 164376
Ion Ratio Lower Upper
164 100
166 123.5 105.0 157.6
129 84.2 63.0 94.4
131 81.2 60.6 90.8



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





#65

Chlorobenzene

Concen: 9.977 ug/l

RT: 11.31 min Scan# 995

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

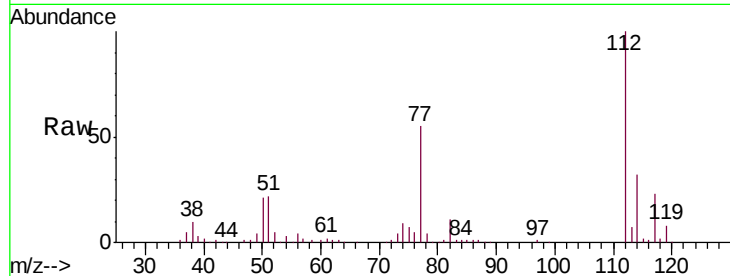
VSTDIC010

Tgt Ion:112 Resp: 402578

Ion Ratio Lower Upper

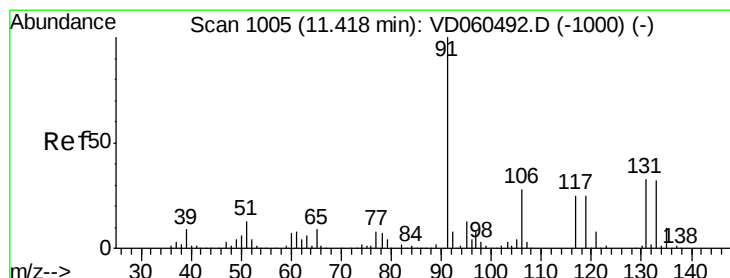
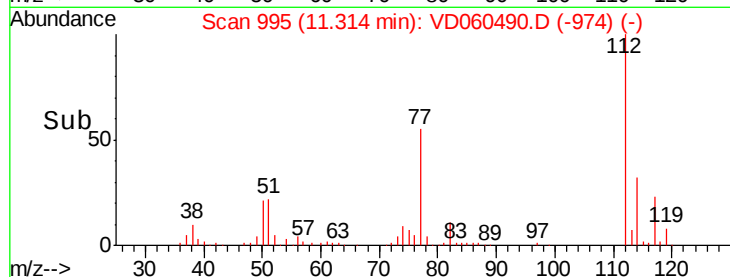
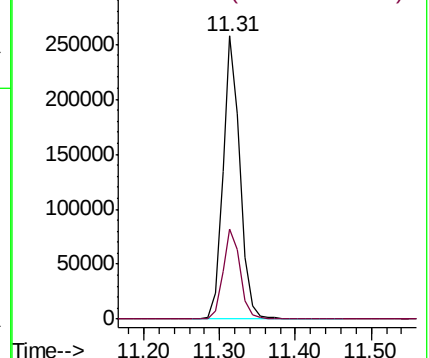
112 100

114 31.6 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.257 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

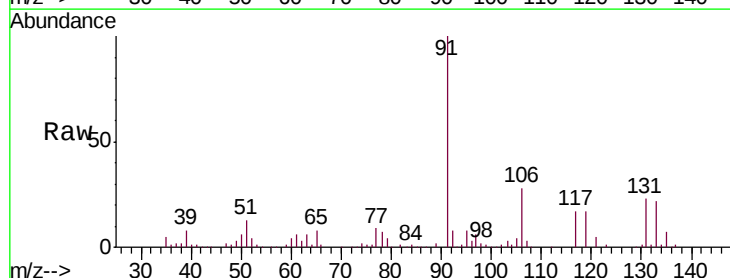
Tgt Ion:131 Resp: 135347

Ion Ratio Lower Upper

131 100

133 93.6 49.1 147.3

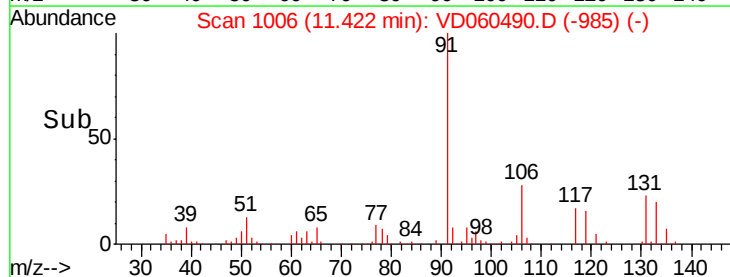
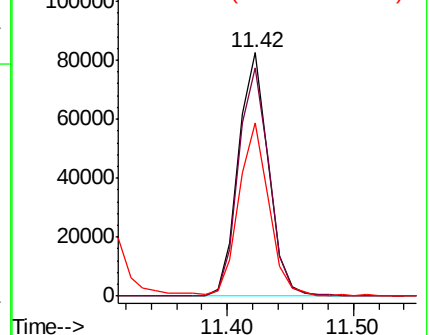
119 71.4 37.5 112.3

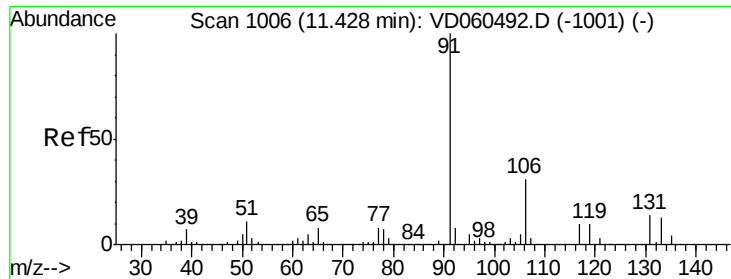


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

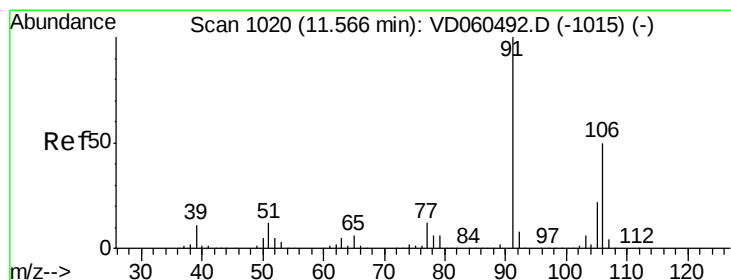
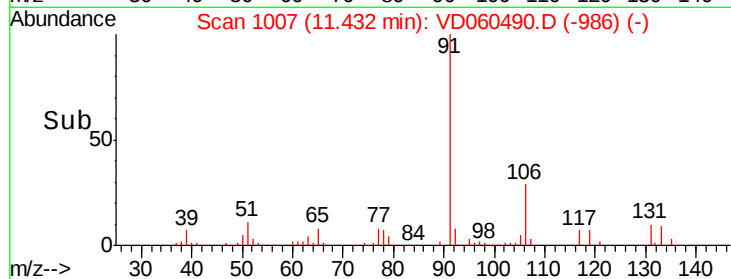
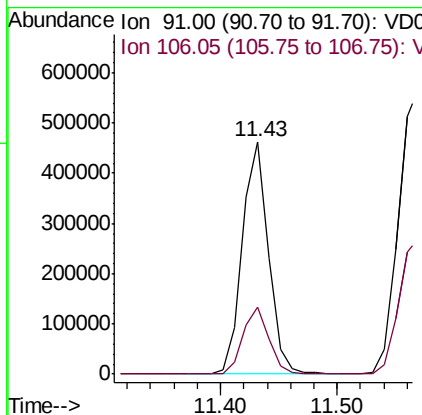
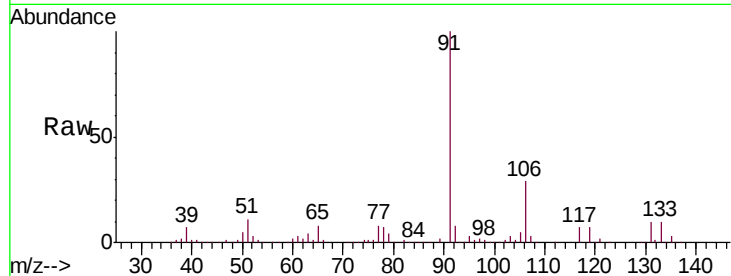




#67
Ethyl Benzene
Concen: 10.382 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

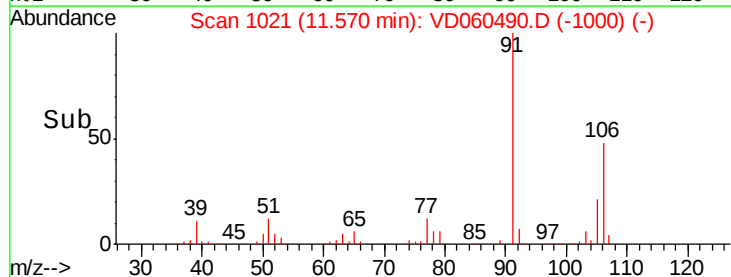
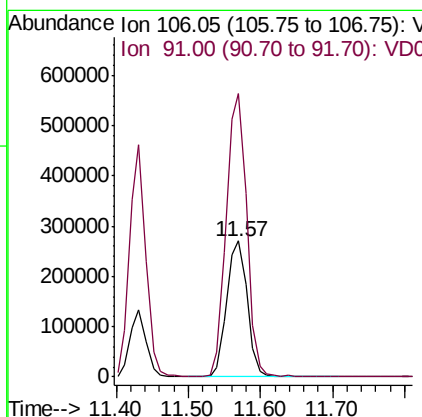
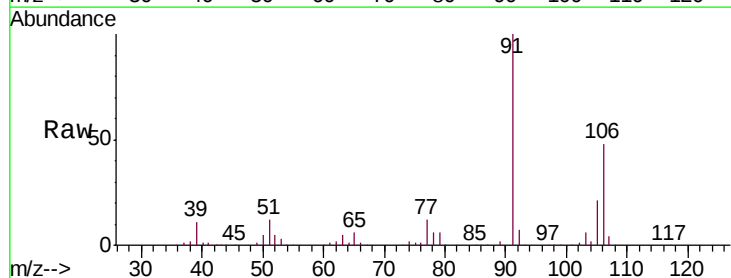
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

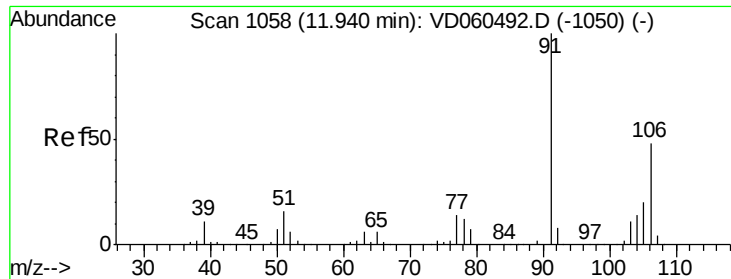
Tgt Ion: 91 Resp: 719200
Ion Ratio Lower Upper
91 100
106 29.0 24.6 37.0



#68
m/p-Xylenes
Concen: 20.994 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 106 Resp: 535132
Ion Ratio Lower Upper
106 100
91 207.9 160.5 240.7

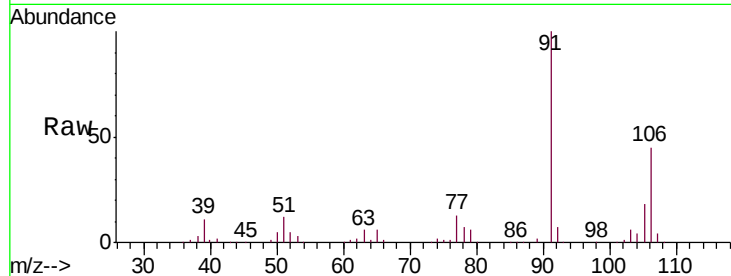




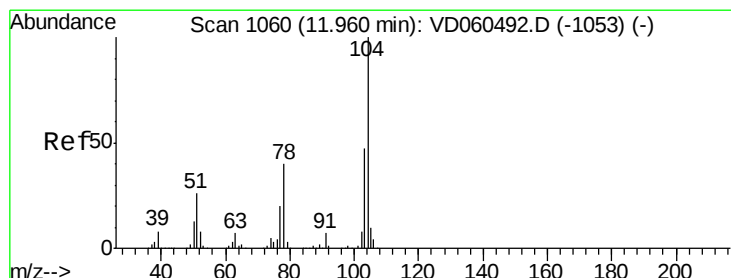
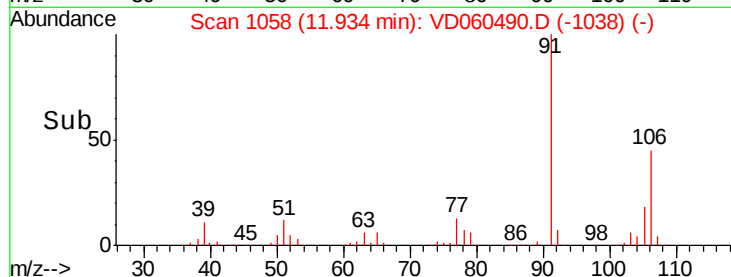
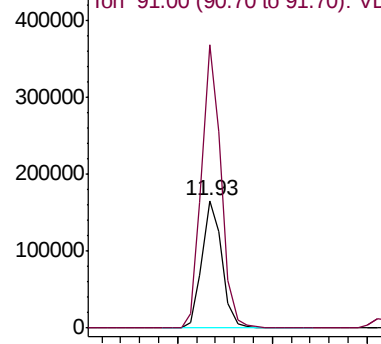
#69
o-Xylene
Concen: 9.891 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 243338
Ion Ratio Lower Upper
106 100
91 221.7 103.4 310.1

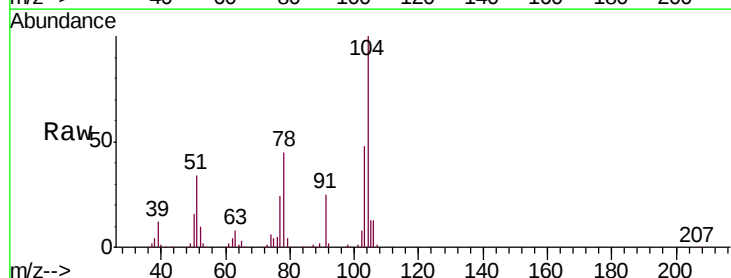


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

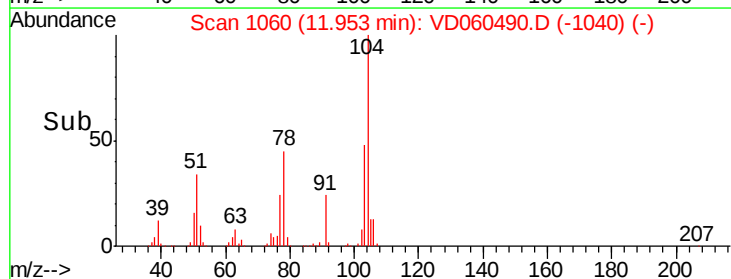
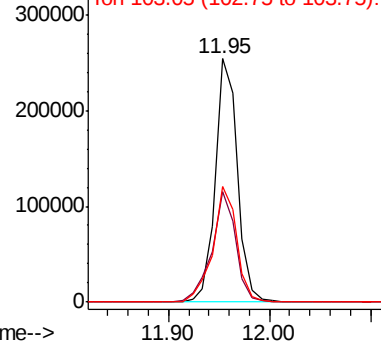


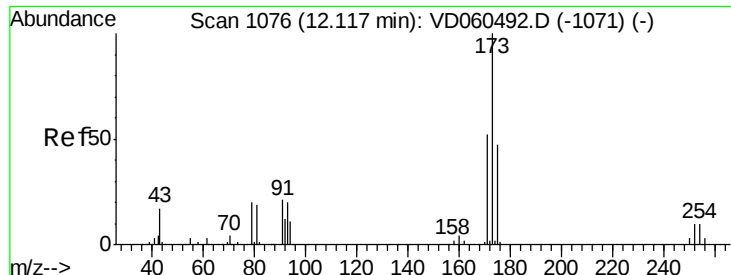
#70
Styrene
Concen: 9.674 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion:104 Resp: 386616
Ion Ratio Lower Upper
104 100
78 45.4 32.1 48.1
103 47.6 37.2 55.8



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





#71

Bromoform

Concen: 8.782 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

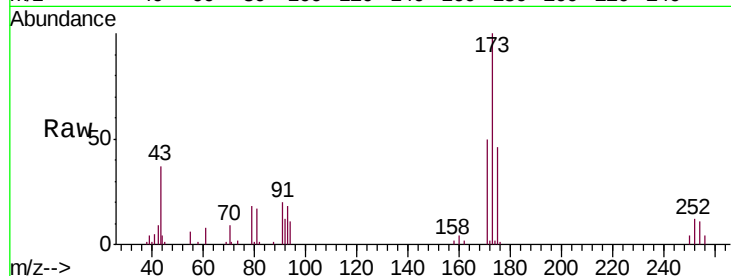
Tgt Ion:173 Resp: 78126

Ion Ratio Lower Upper

173 100

175 46.2 23.5 70.6

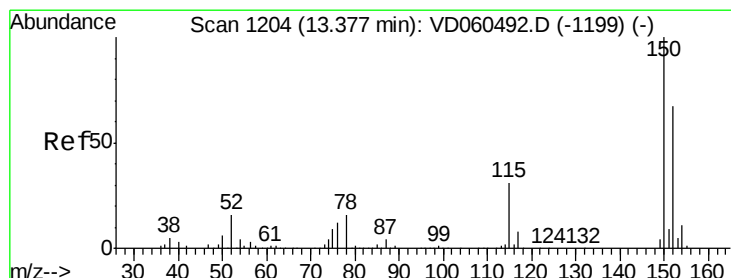
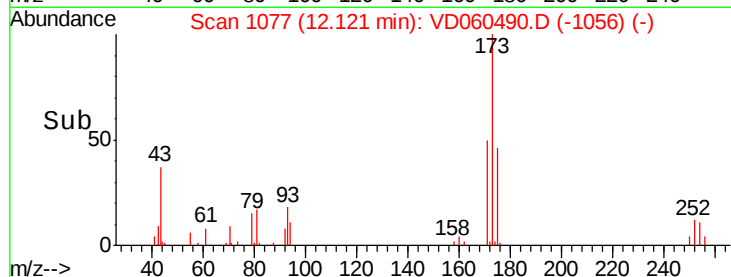
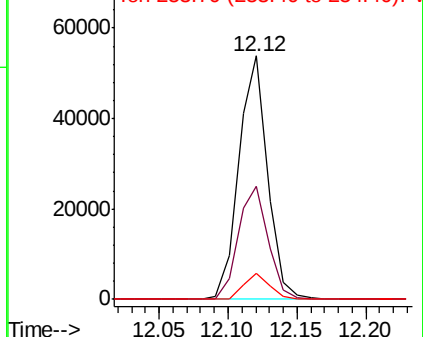
254 10.6 7.8 11.8



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

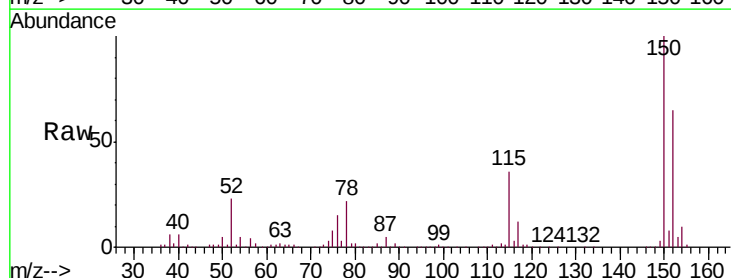
Tgt Ion:152 Resp: 941702

Ion Ratio Lower Upper

152 100

115 55.5 24.6 74.0

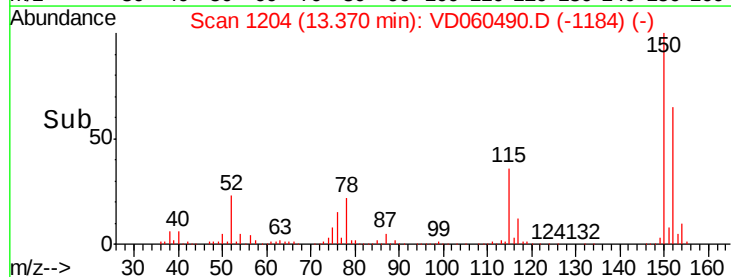
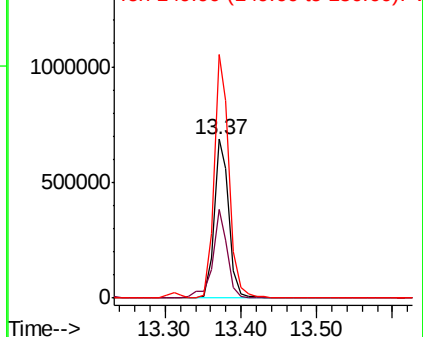
150 153.2 0.0 309.0

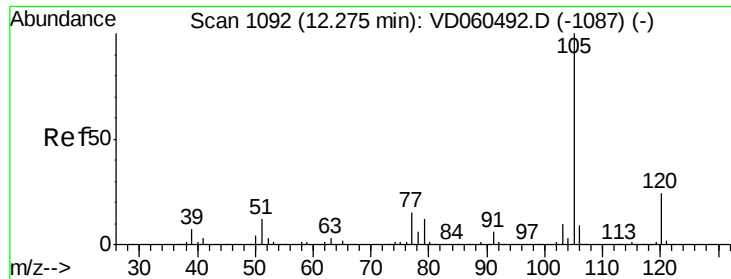


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.957 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

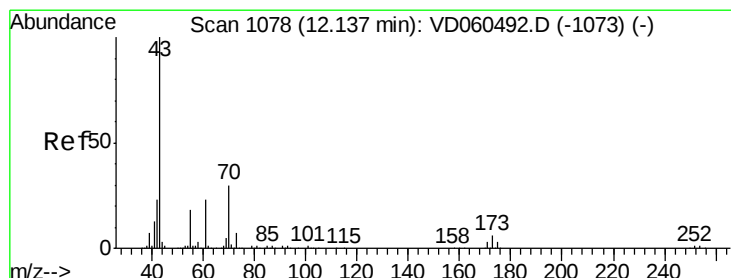
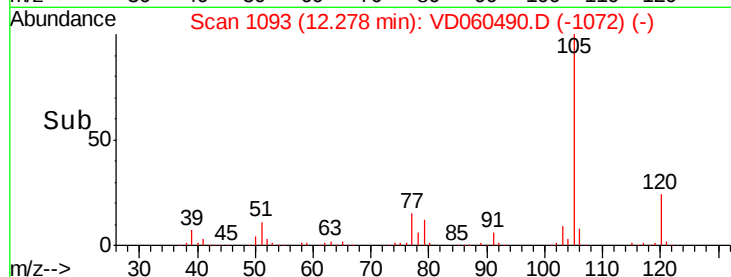
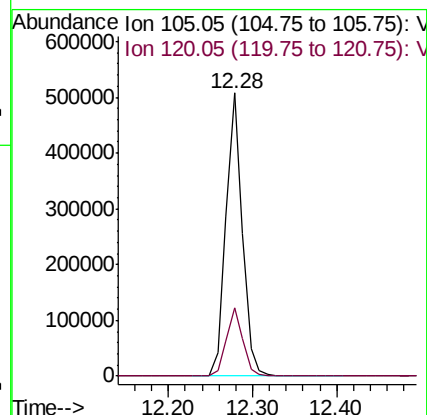
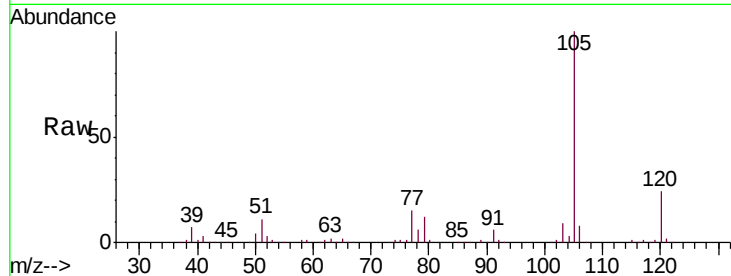
VSTDIC010

Tgt Ion: 105 Resp: 685519

Ion Ratio Lower Upper

105 100

120 24.2 11.9 35.9



#74

N-ethyl acetate

Concen: 8.602 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Tgt Ion: 43 Resp: 150943

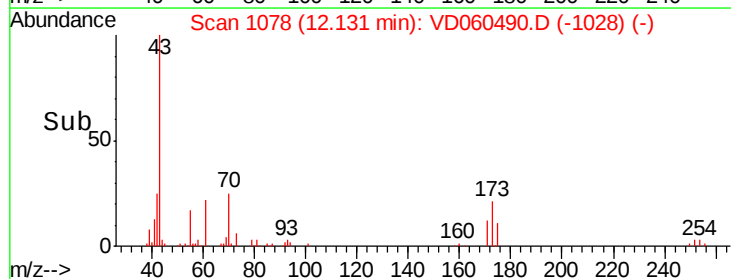
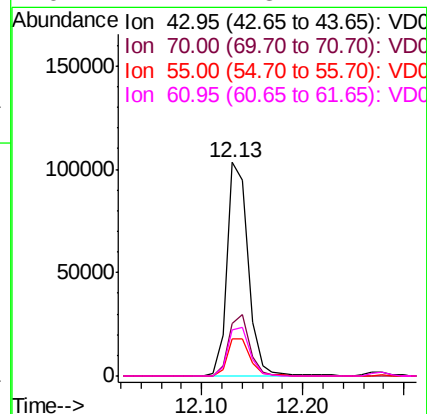
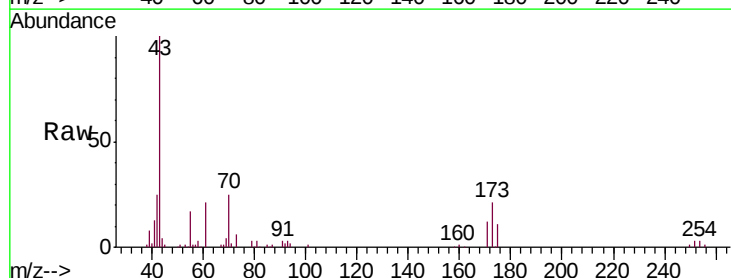
Ion Ratio Lower Upper

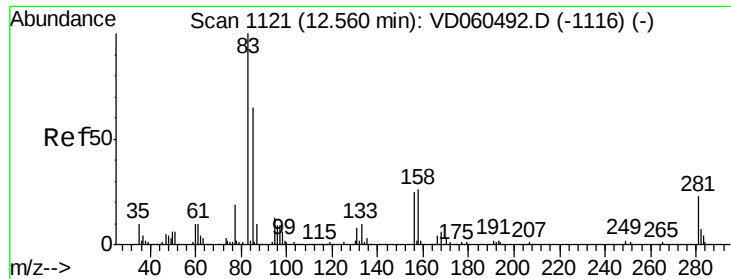
43 100

70 24.6 23.8 35.8

55 17.2 14.2 21.2

61 21.4 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 9.554 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

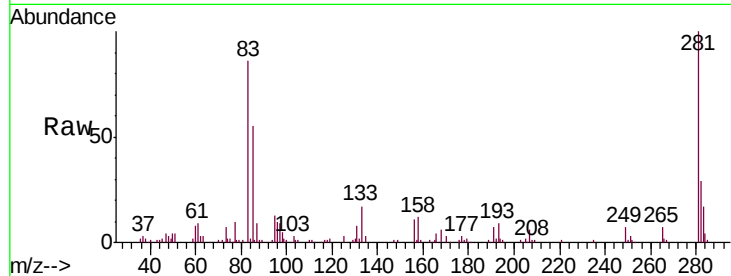
Tgt Ion: 83 Resp: 106458

Ion Ratio Lower Upper

83 100

131 9.3 3.8 11.4

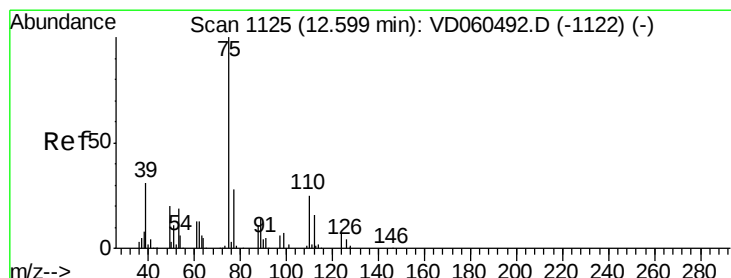
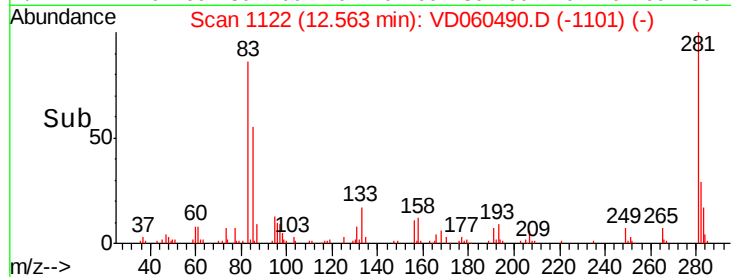
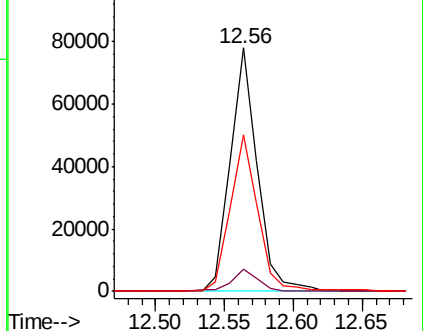
85 64.2 32.3 96.9



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: 9.586 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060490.D

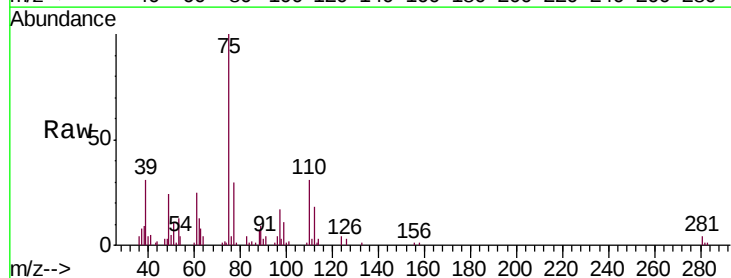
Acq: 5 Dec 2018 14:08

Tgt Ion: 75 Resp: 107532

Ion Ratio Lower Upper

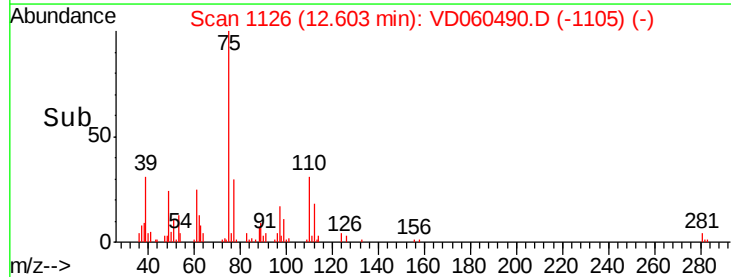
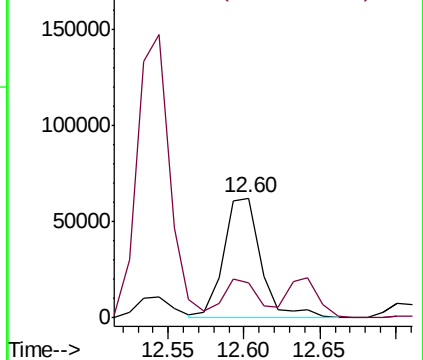
75 100

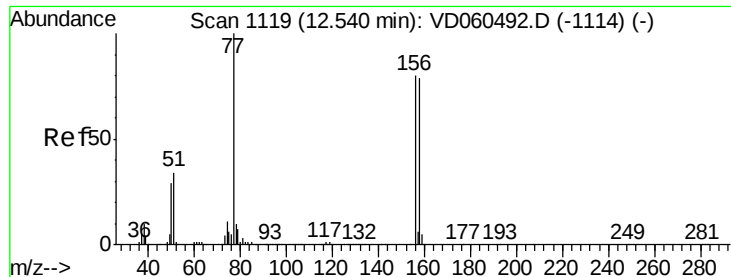
77 29.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 9.560 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

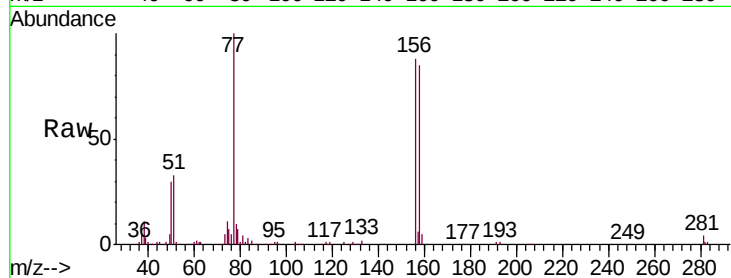
Tgt Ion:156 Resp: 174021

Ion Ratio Lower Upper

156 100

77 113.2 62.5 187.6

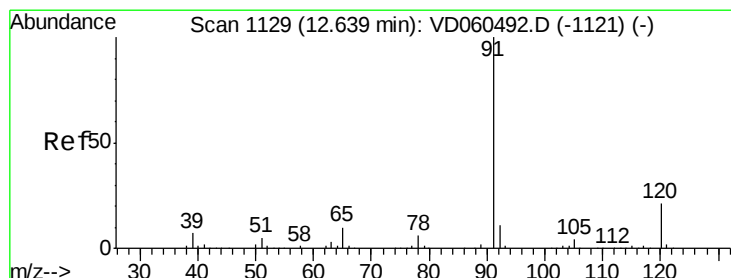
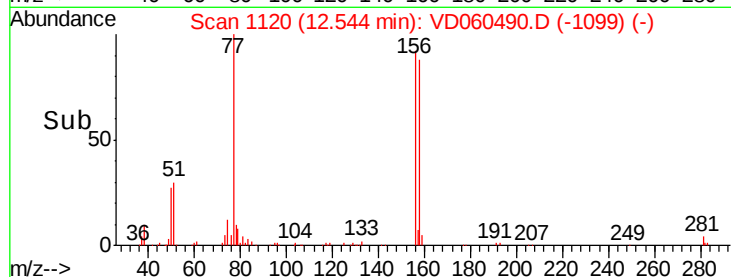
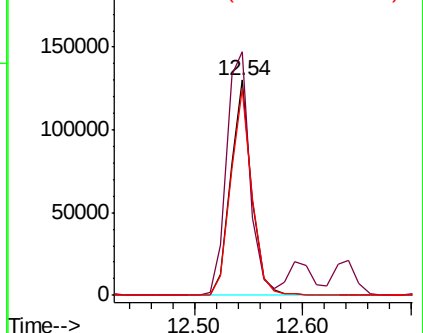
158 96.1 49.4 148.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 10.237 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060490.D

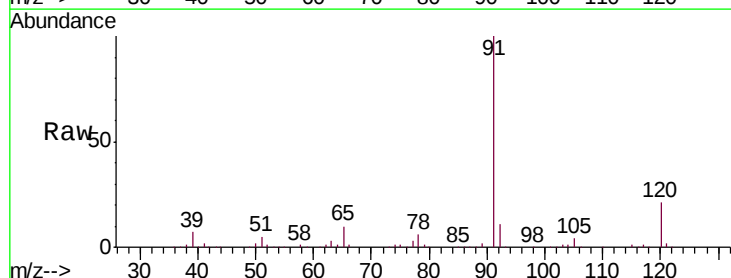
Acq: 5 Dec 2018 14:08

Tgt Ion: 91 Resp: 874045

Ion Ratio Lower Upper

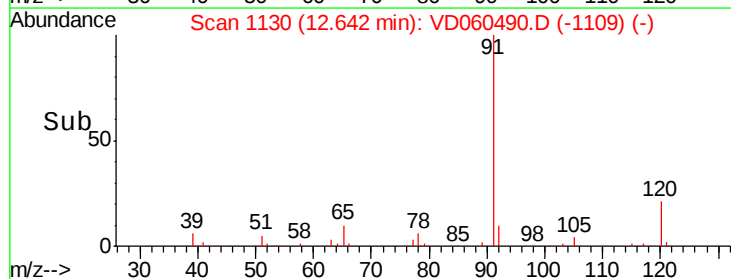
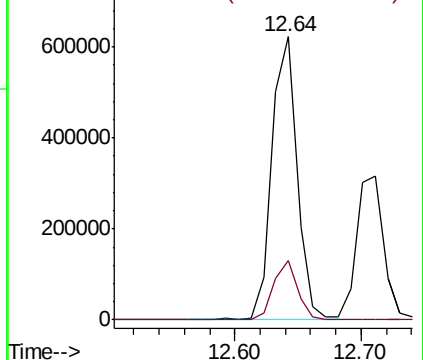
91 100

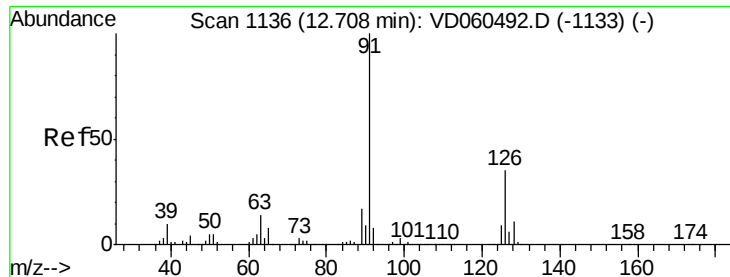
120 20.9 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 10.091 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

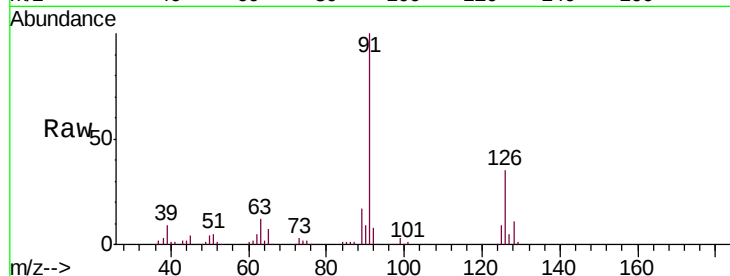
VSTDIC010

Tgt Ion: 91 Resp: 474243

Ion Ratio Lower Upper

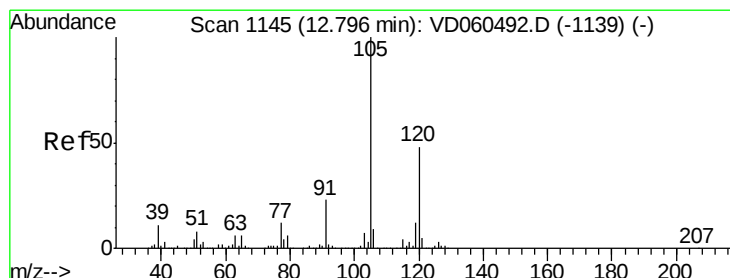
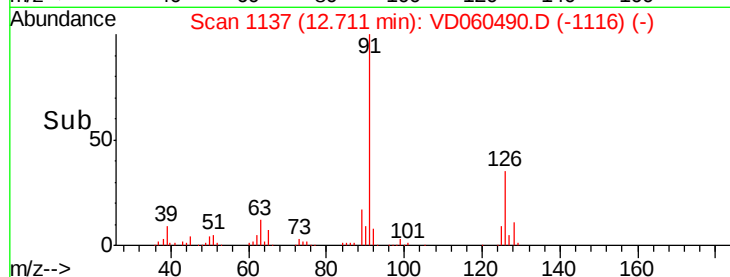
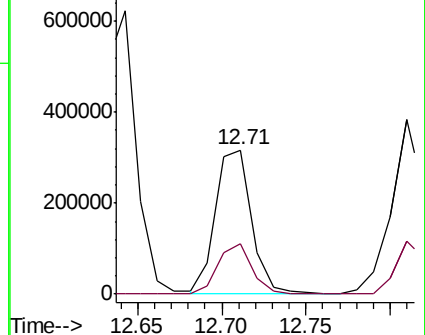
91 100

126 34.8 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: 9.872 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060490.D

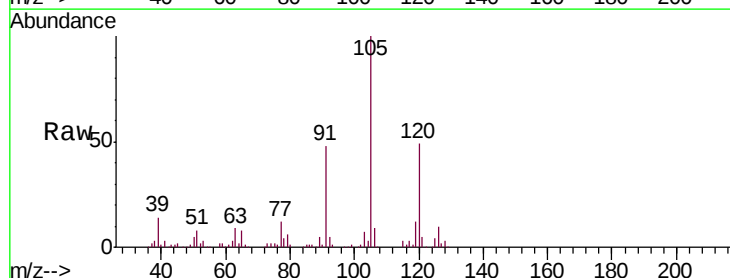
Acq: 5 Dec 2018 14:08

Tgt Ion: 105 Resp: 523841

Ion Ratio Lower Upper

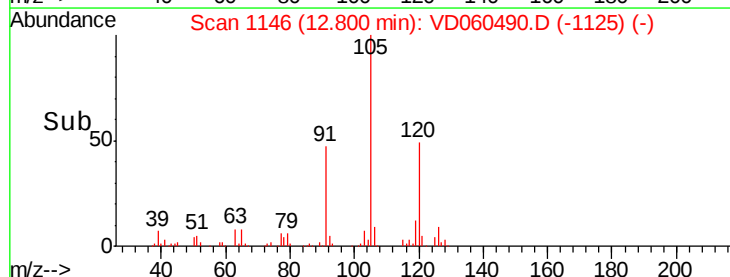
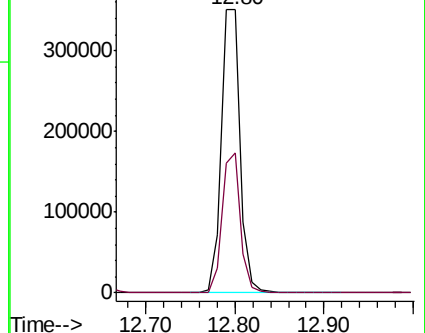
105 100

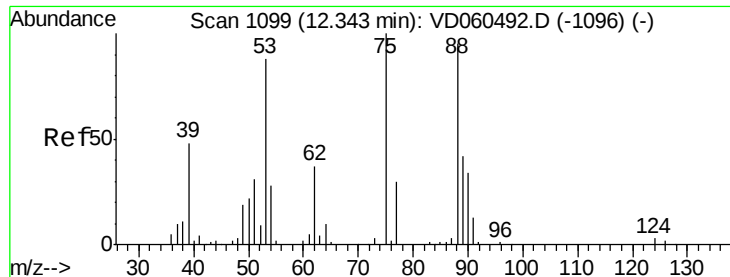
120 49.3 24.2 72.6



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: 8.889 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

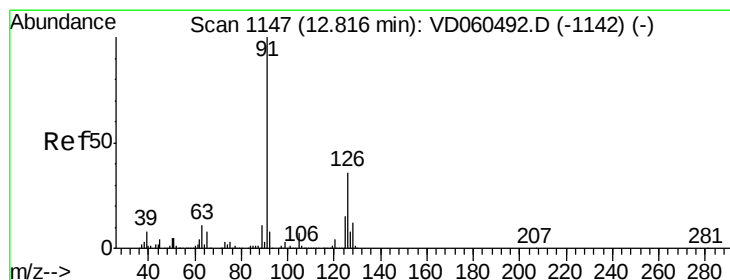
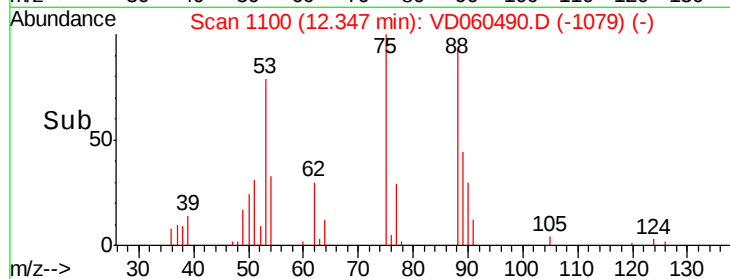
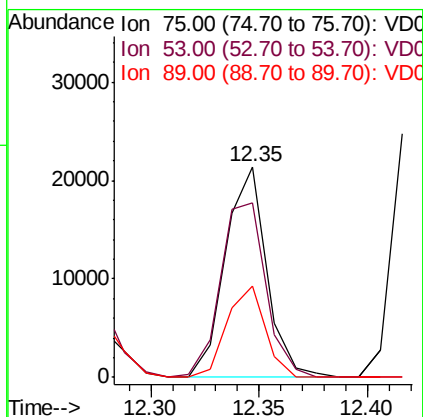
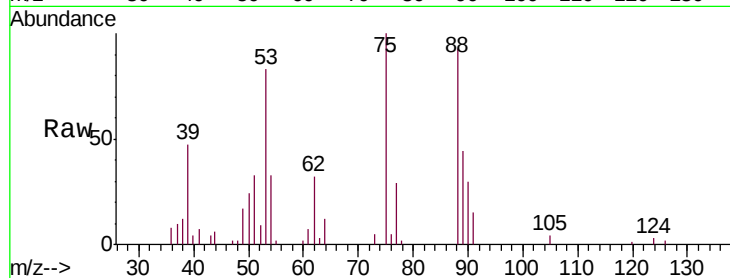
Tgt Ion: 75 Resp: 28406

Ion Ratio Lower Upper

75 100

53 82.6 70.5 105.7

89 43.5 33.6 50.4



#82

4-Chlorotoluene

Concen: 10.108 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060490.D

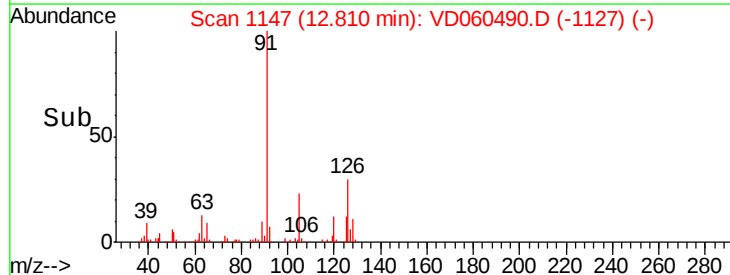
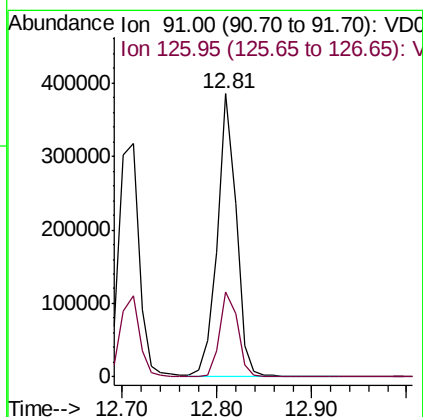
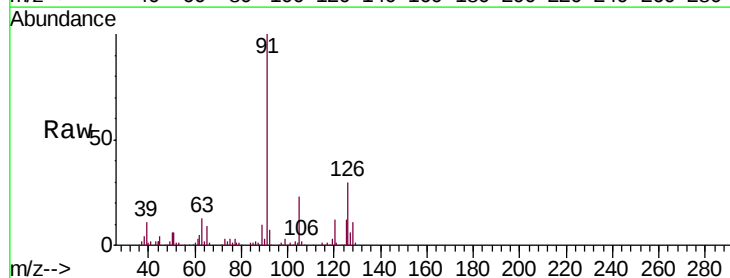
Acq: 5 Dec 2018 14:08

Tgt Ion: 91 Resp: 531695

Ion Ratio Lower Upper

91 100

126 30.0 17.8 53.4





#83

tert-Butylbenzene

Concen: 9.849 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. -0.01 min

Lab File: VD060490.D

Acq: 5 Dec 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

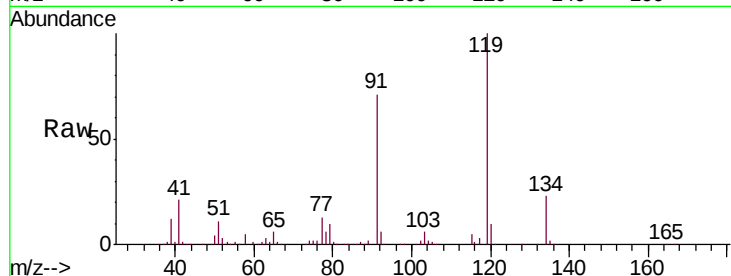
Tgt Ion:119 Resp: 581813

Ion Ratio Lower Upper

119 100

91 70.9 33.1 99.2

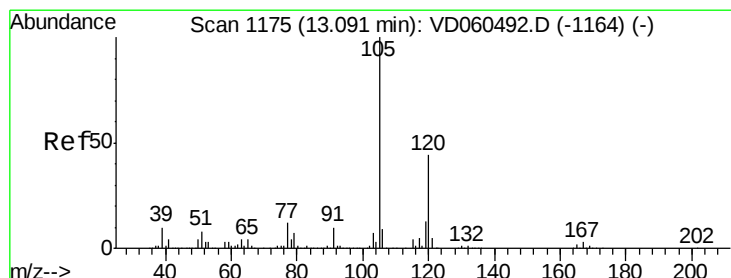
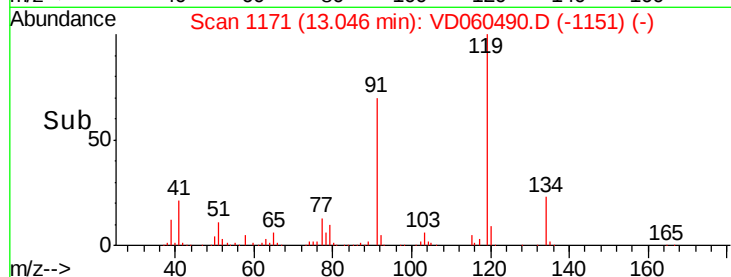
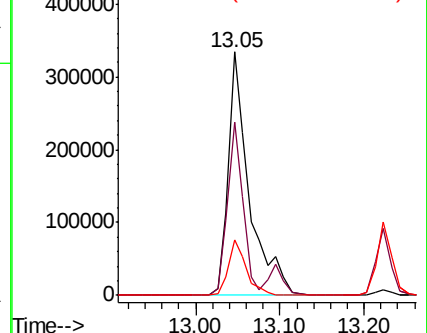
134 22.9 12.0 36.0



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: 10.278 ug/l

RT: 13.09 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VD060490.D

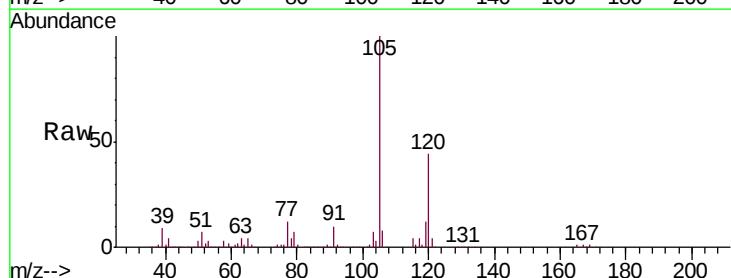
Acq: 5 Dec 2018 14:08

Tgt Ion:105 Resp: 546365

Ion Ratio Lower Upper

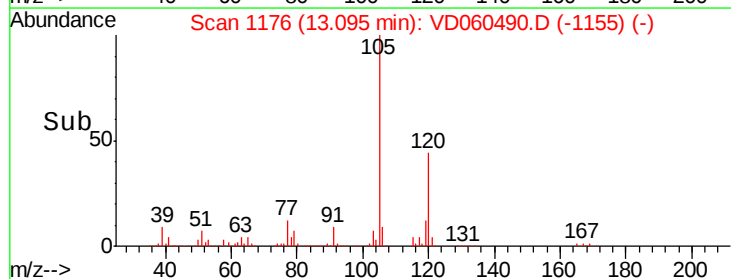
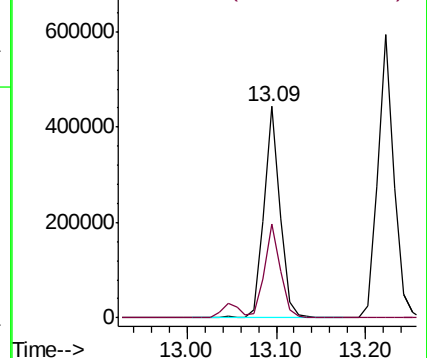
105 100

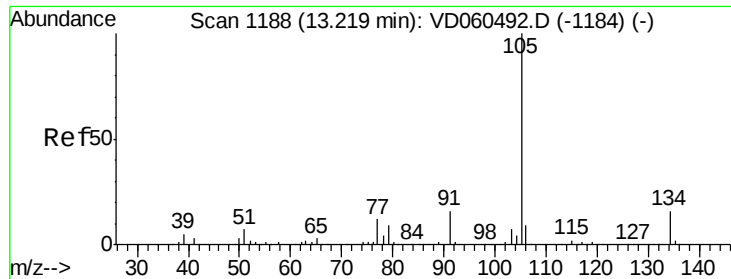
120 44.3 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

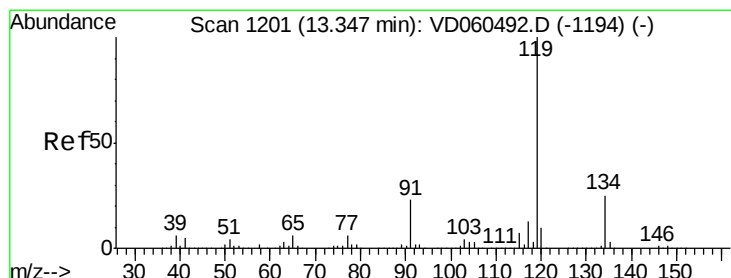
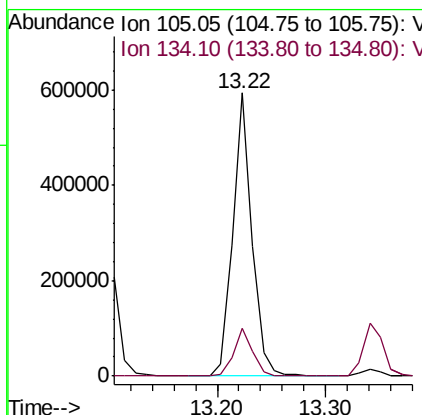
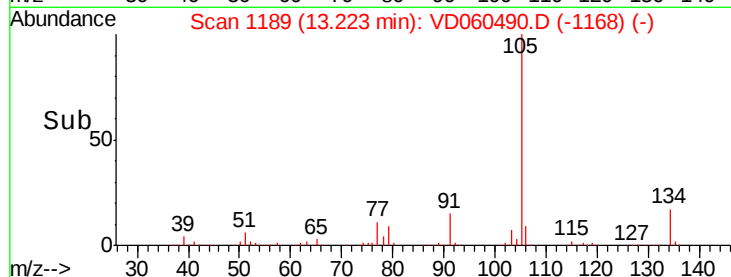
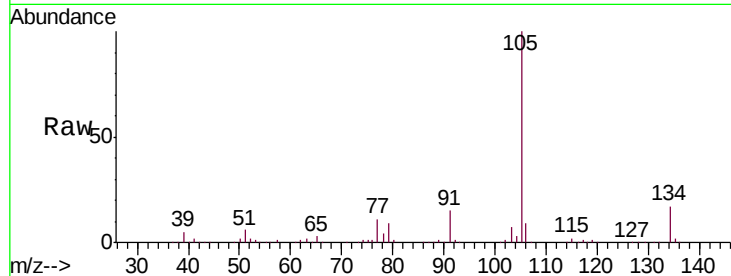




#85
 sec-Butylbenzene
 Concen: 10.078 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

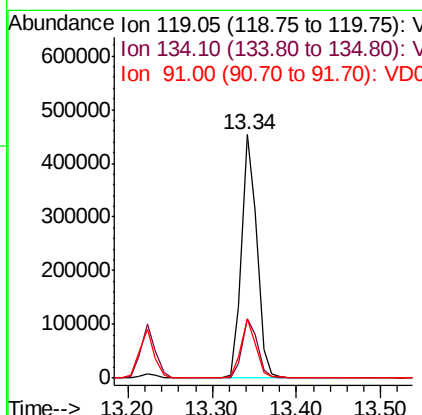
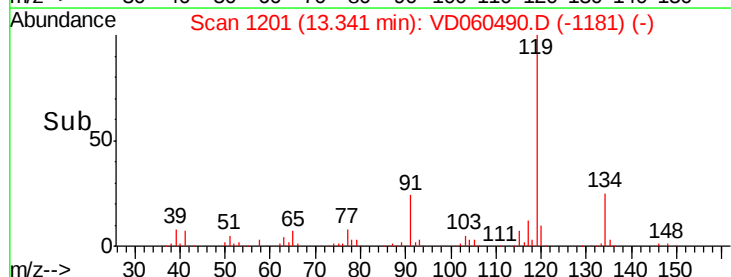
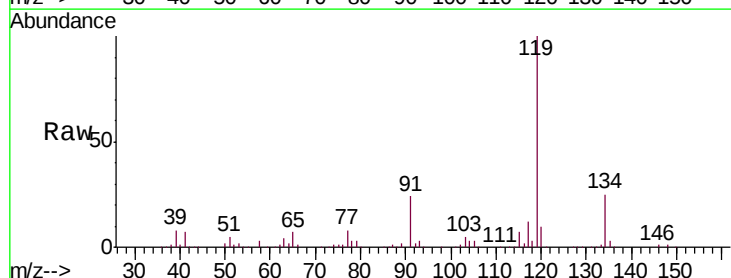
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

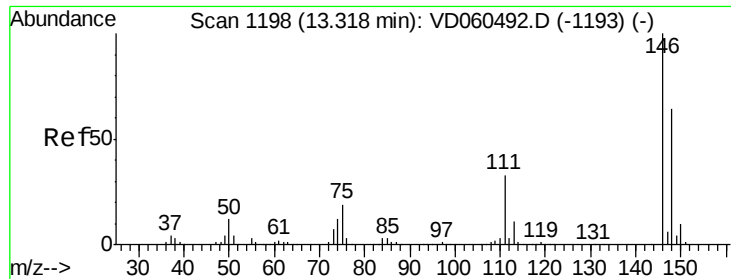
Tgt Ion:105 Resp: 726885
 Ion Ratio Lower Upper
 105 100
 134 16.9 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 9.961 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion:119 Resp: 577694
 Ion Ratio Lower Upper
 119 100
 134 24.6 12.5 37.5
 91 24.3 11.5 34.4

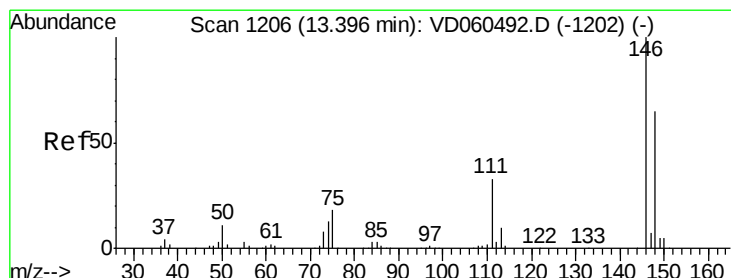
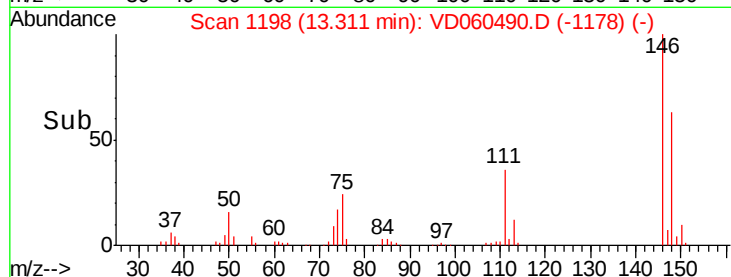
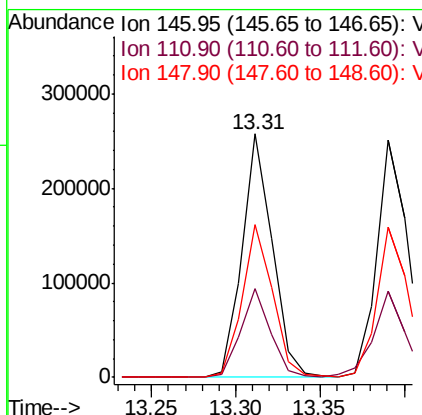
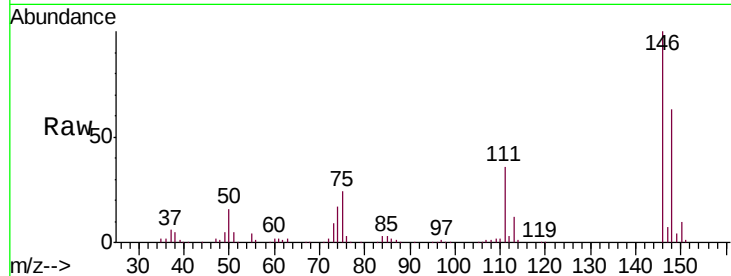




#87
 1,3-Dichlorobenzene
 Concen: 9.979 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

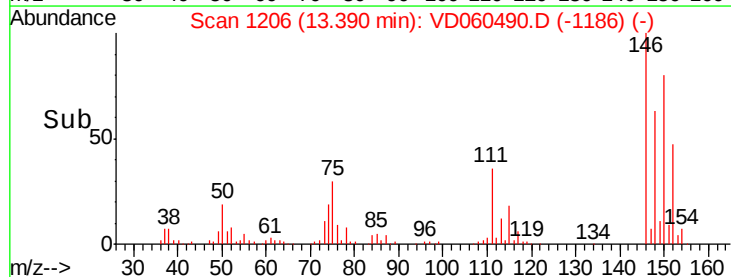
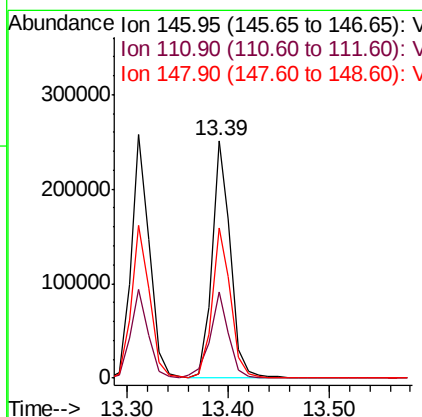
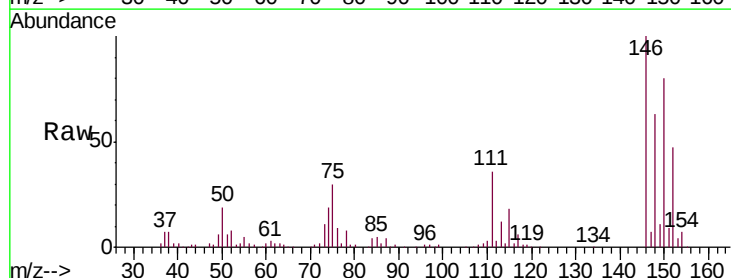
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

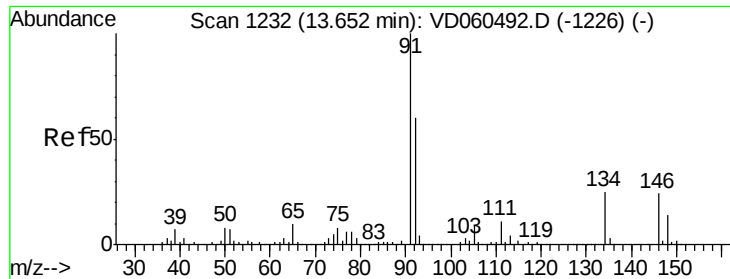
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	16.5	49.5
148	63.0	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 10.224 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	16.4	49.1
148	63.2	32.6	98.0

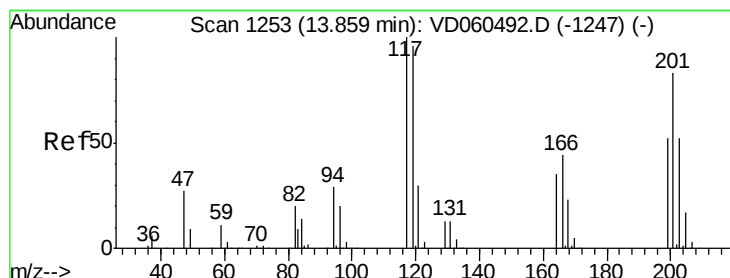
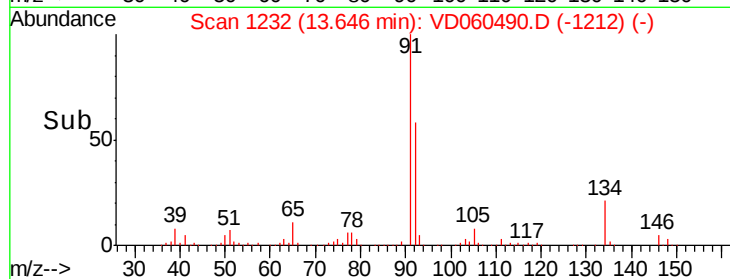
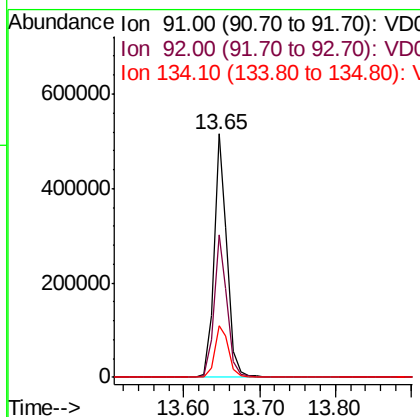
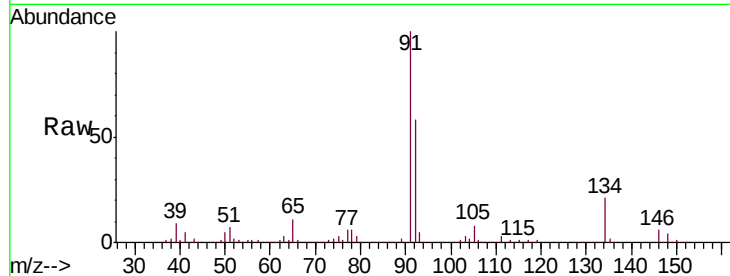




#89
n-Butylbenzene
Concen: 10.488 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

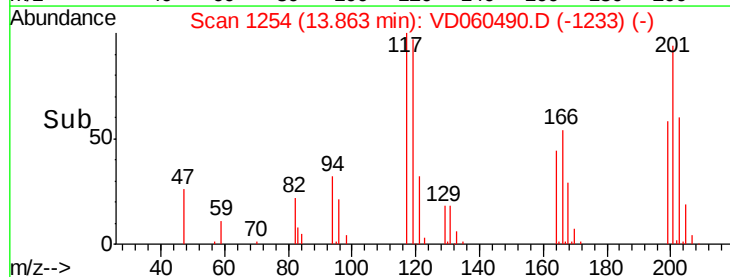
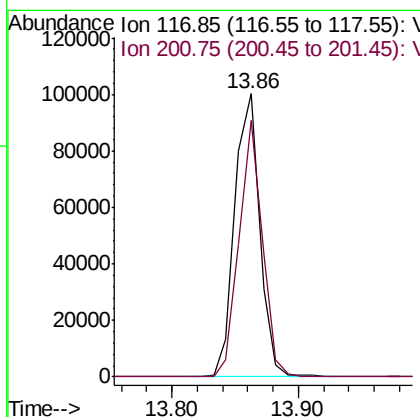
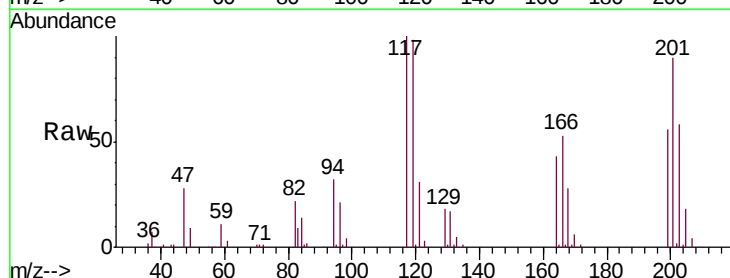
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

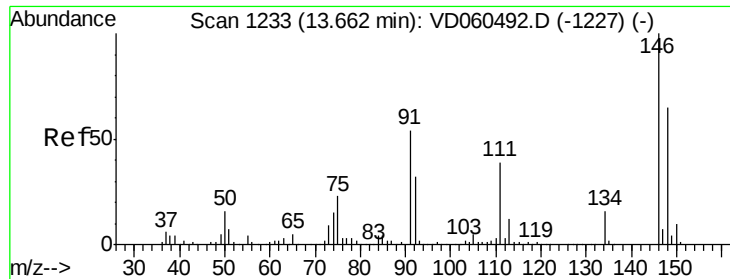
Tgt Ion: 91 Resp: 622500
Ion Ratio Lower Upper
91 100
92 58.4 30.0 90.1
134 21.3 12.5 37.5



#90
Hexachloroethane
Concen: 9.785 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion: 117 Resp: 136530
Ion Ratio Lower Upper
117 100
201 90.5 41.3 123.9

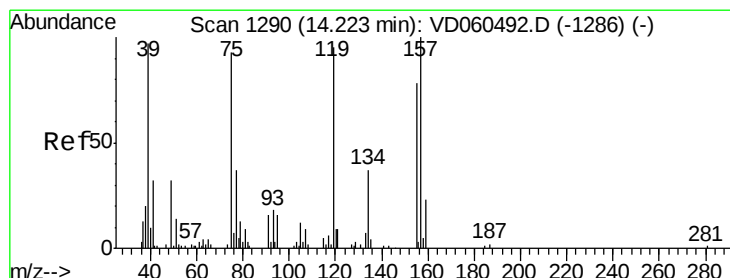
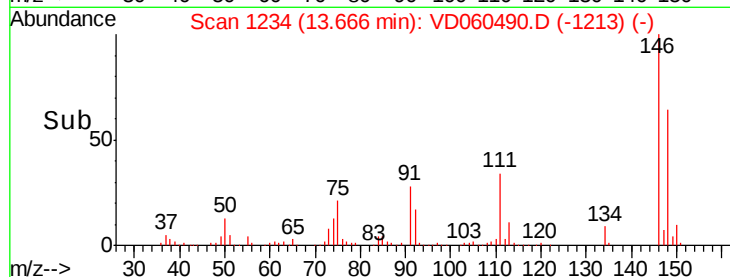
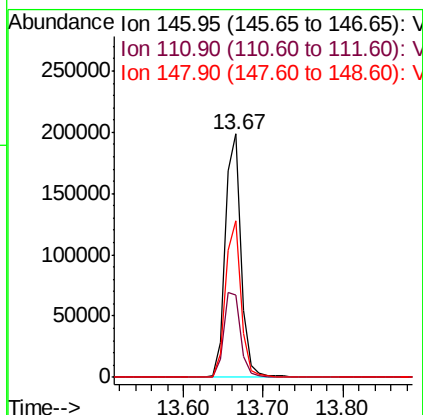
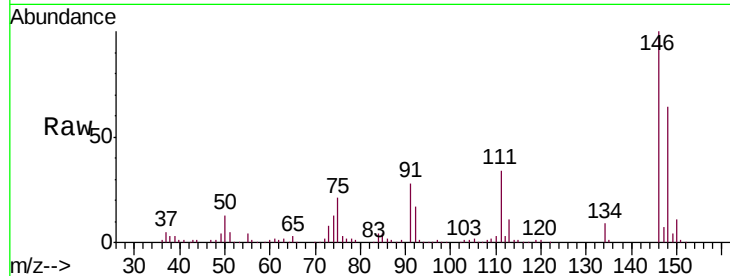




#91
 1,2-Dichlorobenzene
 Concen: 10.471 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

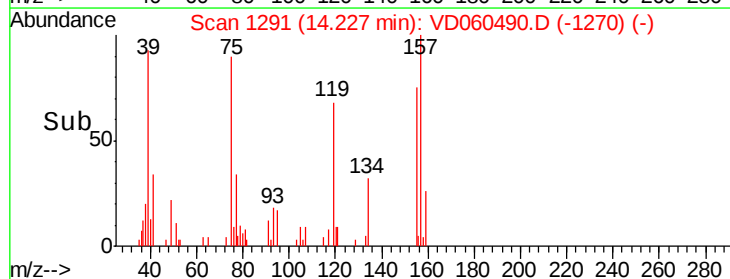
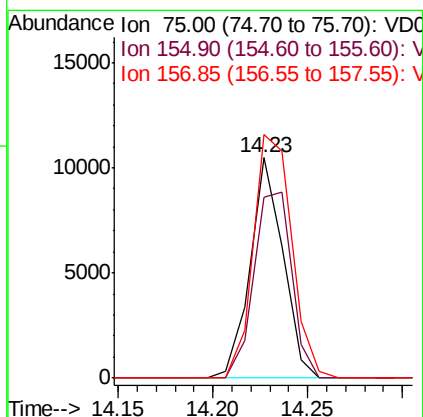
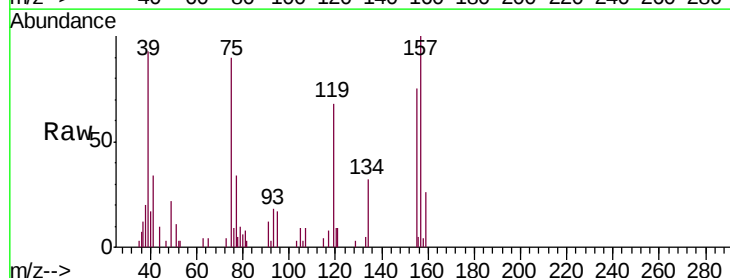
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

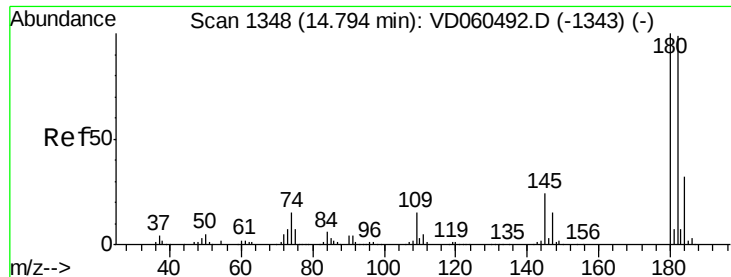
Tgt Ion: 146 Resp: 277677
 Ion Ratio Lower Upper
 146 100
 111 33.9 19.3 57.8
 148 64.3 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.354 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion: 75 Resp: 12544
 Ion Ratio Lower Upper
 75 100
 155 82.5 41.6 124.9
 157 110.7 53.6 160.8

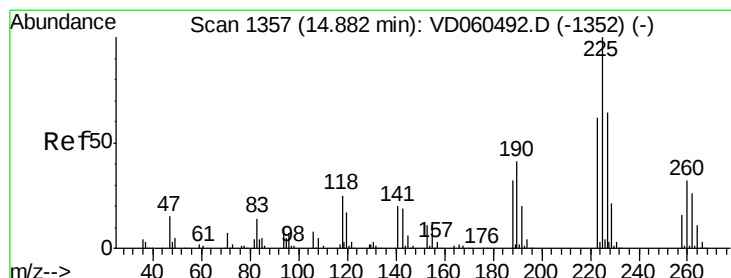
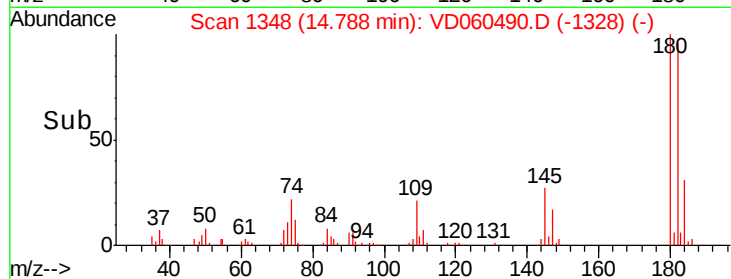
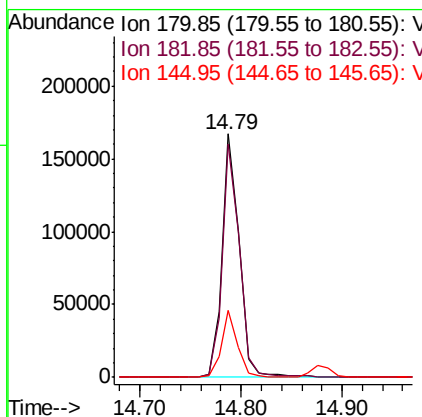
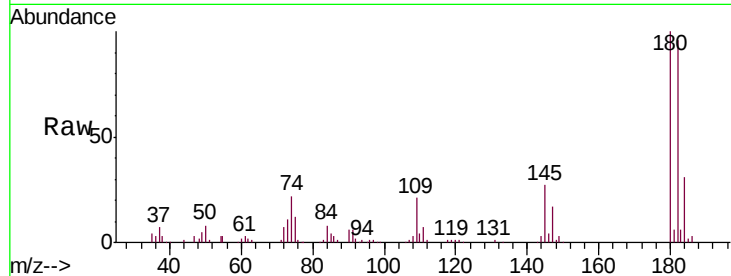




#93
 1,2,4-Trichlorobenzene
 Concen: 9.530 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

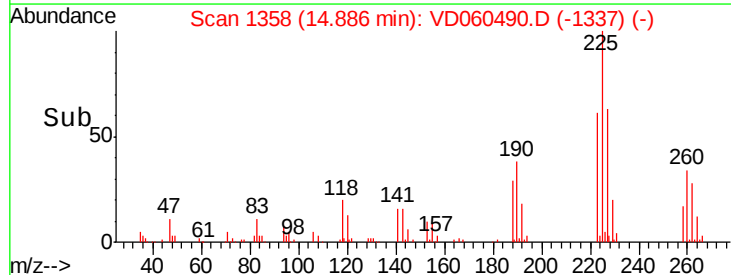
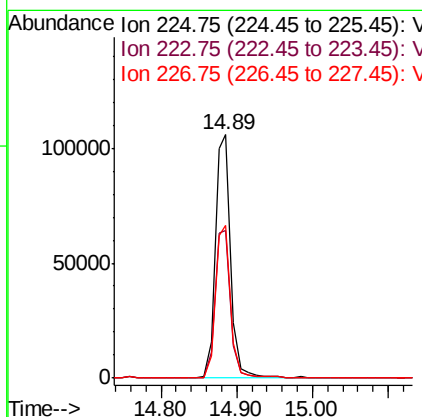
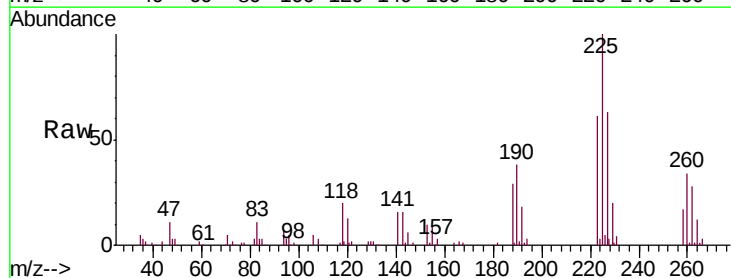
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

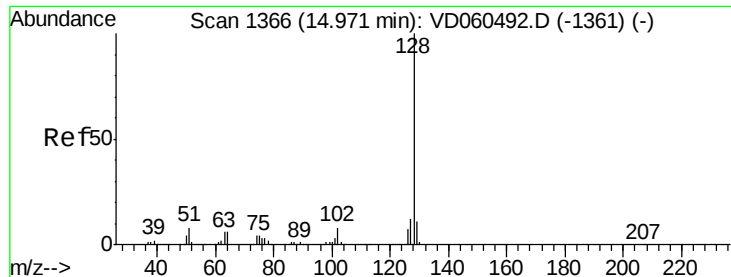
Tgt Ion:180 Resp: 200187
 Ion Ratio Lower Upper
 180 100
 182 95.6 49.4 148.0
 145 27.5 11.9 35.9



#94
 Hexachlorobutadiene
 Concen: 9.766 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060490.D
 Acq: 5 Dec 2018 14:08

Tgt Ion:225 Resp: 152803
 Ion Ratio Lower Upper
 225 100
 223 60.8 31.2 93.6
 227 62.9 32.0 96.0

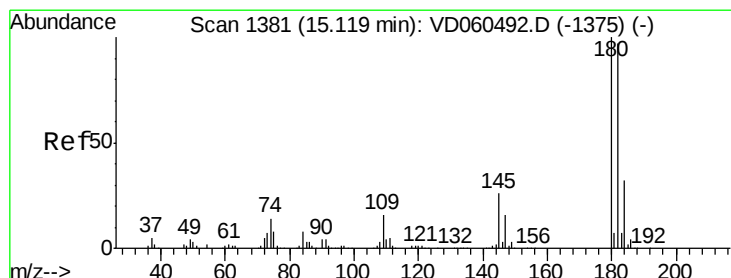
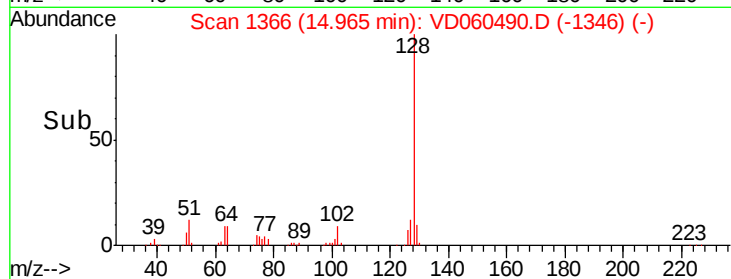
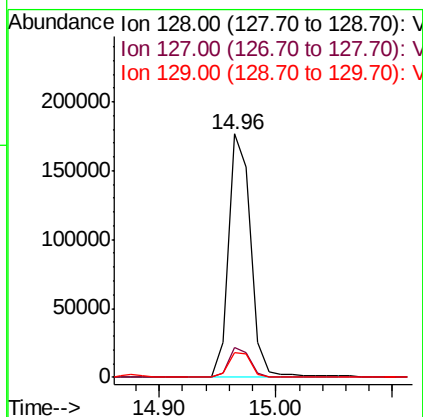
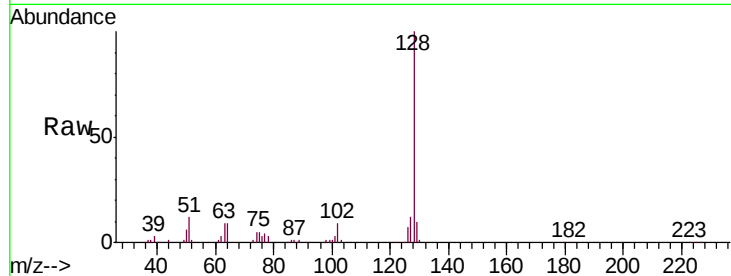




#95
Naphthalene
Concen: 9.015 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 232430
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 10.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 9.571 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060490.D
Acq: 5 Dec 2018 14:08

Tgt Ion:180 Resp: 160660
Ion Ratio Lower Upper
180 100
182 97.6 48.5 145.5
145 30.6 12.9 38.7

