

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120718\
 Data File : VD060509.D
 Acq On : 7 Dec 2018 10:31
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 08 02:02:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1816882	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2494700	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1969520	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	1015385	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	630331	48.95	ug/l	-0.01
Spiked Amount			Recovery	=	97.90%	
35) Dibromofluoromethane	6.32	113	941751	51.39	ug/l	-0.01
Spiked Amount			Recovery	=	102.78%	
50) Toluene-d8	9.45	98	2748346	51.83	ug/l	-0.01
Spiked Amount			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.42	95	970600	51.15	ug/l	-0.01
Spiked Amount			Recovery	=	102.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	849768	49.059	ug/l	99
3) Chloromethane	1.78	50	853437	45.718	ug/l	97
4) Vinyl Chloride	1.87	62	725435	48.692	ug/l	98
5) Bromomethane	2.17	94	194140	52.088	ug/l	98
6) Chloroethane	2.28	64	237704	49.080	ug/l	94
7) Trichlorofluoromethane	2.53	101	830760	48.292	ug/l	99
8) Diethyl Ether	2.84	74	142675	48.017	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.10	101	553701	49.607	ug/l	97
10) Methyl Iodide	3.26	142	639928	49.048	ug/l	98
11) Tert butyl alcohol	3.98	59	131844	251.997	ug/l	98
12) 1,1-Dichloroethene	3.09	96	446404	49.156	ug/l	94
13) Acrolein	2.99	56	141568	247.632	ug/l	97
14) Allyl chloride	3.54	41	843108	48.932	ug/l	100
15) Acrylonitrile	4.09	53	723857	243.662	ug/l	98
16) Acetone	3.17	43	599656	290.498	ug/l	97
17) Carbon Disulfide	3.33	76	1395007	47.290	ug/l	100
18) Methyl Acetate	3.56	43	224888	45.840	ug/l #	93
19) Methyl tert-butyl Ether	4.13	73	1244330	49.409	ug/l	99
20) Methylene Chloride	3.73	84	919994	48.395	ug/l	99
21) trans-1,2-Dichloroethene	4.10	96	979590	49.589	ug/l	98
22) Diisopropyl ether	4.85	45	3028685	48.958	ug/l	95
23) Vinyl Acetate	4.80	43	7542130	246.071	ug/l	99
24) 1,1-Dichloroethane	4.76	63	1580062	49.165	ug/l	98
25) 2-Butanone	5.62	43	1110220	273.373	ug/l	99
26) 2,2-Dichloropropane	5.58	77	1271723	51.223	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	1005575	50.065	ug/l	99
28) Bromochloromethane	5.92	49	689700	48.445	ug/l	99
29) Tetrahydrofuran	5.94	42	573514	249.379	ug/l	99
30) Chloroform	6.10	83	1592023	49.171	ug/l	97
31) Cyclohexane	6.37	56	1463525	53.525	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	1363548	51.228	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1232166	50.529	ug/l	99
37) Ethyl Acetate	5.70	43	556866	52.656	ug/l	99
38) Carbon Tetrachloride	6.49	117	1129625	51.600	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1378864	49.602	ug/l	100
40) Benzene	6.78	78	3155475	50.633	ug/l	100
41) Methacrylonitrile	5.94	41	611713	107.301	ug/l #	69
42) 1,2-Dichloroethane	6.89	62	786358	49.626	ug/l	99
43) Isopropyl Acetate	8.34	43	680295	52.111	ug/l #	97
44) Trichloroethene	7.73	130	952135	51.122	ug/l	97
45) 1,2-Dichloropropane	8.09	63	786735	51.042	ug/l	99
46) Dibromomethane	8.21	93	457093	51.327	ug/l	99
47) Bromodichloromethane	8.48	83	1089490	51.560	ug/l	98
48) Methyl methacrylate	8.24	41	421262	54.536	ug/l	99
49) 1,4-Dioxane	8.22	88	75306	1075.671	ug/l	89
51) 4-Methyl-2-Pentanone	9.33	43	2163564	266.430	ug/l	100
52) Toluene	9.54	92	1994301	51.199	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	924446	53.243	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	1180634	51.755	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	541572	49.926	ug/l	98
56) Ethyl methacrylate	10.02	69	538970	54.901	ug/l	97
57) 1,3-Dichloropropane	10.37	76	860969	51.344	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1454133	247.551	ug/l	98
59) 2-Hexanone	10.48	43	1641120	289.128	ug/l	100
60) Dibromochloromethane	10.63	129	699352	51.566	ug/l	100
61) 1,2-Dibromoethane	10.75	107	564956	51.106	ug/l	99
64) Tetrachloroethene	10.23	164	883455	50.658	ug/l	97
65) Chlorobenzene	11.31	112	2121615	50.919	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	695483	51.787	ug/l	97
67) Ethyl Benzene	11.42	91	3578686	50.354	ug/l	99
68) m/p-Xylenes	11.55	106	2623815	99.792	ug/l	99
69) o-Xylene	11.93	106	1272892	50.799	ug/l	99
70) Styrene	11.95	104	2060673	51.235	ug/l	99
71) Bromoform	12.10	173	478802	53.439	ug/l	99
73) Isopropylbenzene	12.26	105	3499060	48.698	ug/l	99
74) N-amyl acetate	12.12	43	881525	50.763	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	578445	50.286	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	567757	49.349	ug/l	97
77) Bromobenzene	12.53	156	945606	50.067	ug/l	97
78) n-propylbenzene	12.63	91	4425922	48.729	ug/l	98
79) 2-Chlorotoluene	12.69	91	2394521	48.584	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	2705372	49.275	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	169487	52.820	ug/l	98
82) 4-Chlorotoluene	12.80	91	2633989	47.583	ug/l	98
83) tert-Butylbenzene	13.04	119	3036893	49.332	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	2729716	48.017	ug/l	98
85) sec-Butylbenzene	13.22	105	3701064	48.237	ug/l	94
86) p-Isopropyltoluene	13.33	119	2879858	47.349	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	1641491	48.002	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	1581128	47.132	ug/l	98
89) n-Butylbenzene	13.64	91	3015258	50.060	ug/l	99
90) Hexachloroethane	13.85	117	780933	51.210	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	1313182	46.990	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	68894	49.429	ug/l	60

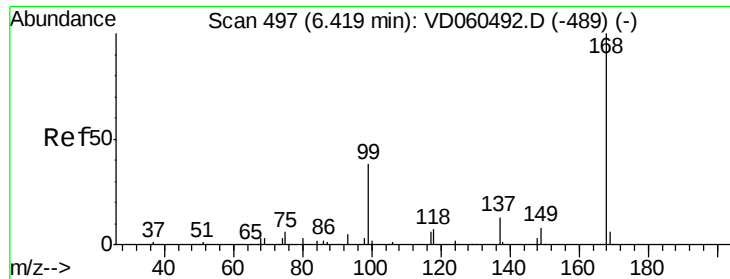
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1071014	49.025	ug/l	97
94) Hexachlorobutadiene	14.87	225	766062	47.528	ug/l	98
95) Naphthalene	14.96	128	1271725	48.932	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	828973	47.623	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

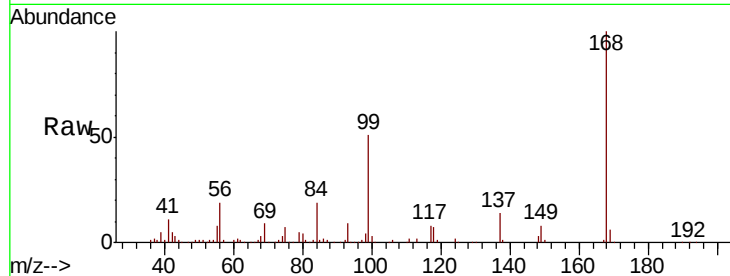
VSTDCCC050

Tot Ion:168 Resp: 1816882

Ion Ratio Lower Upper

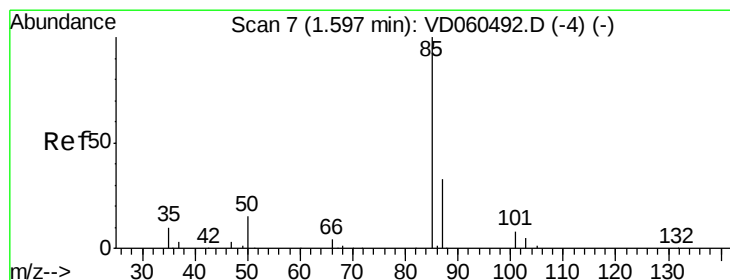
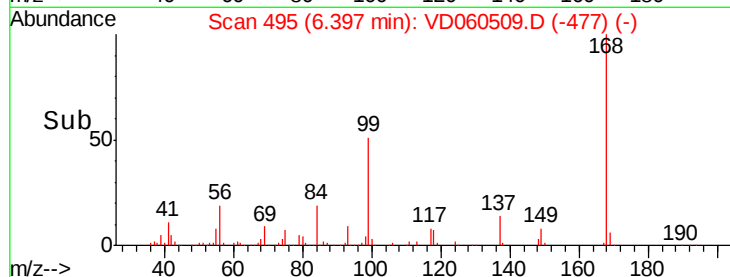
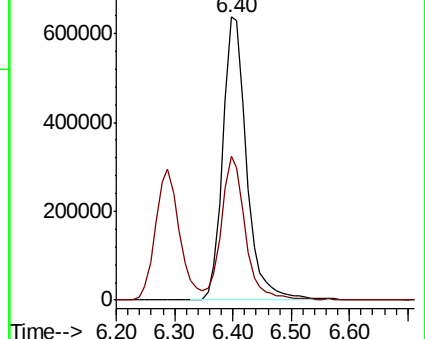
168 100

99 50.8 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.059 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060509.D

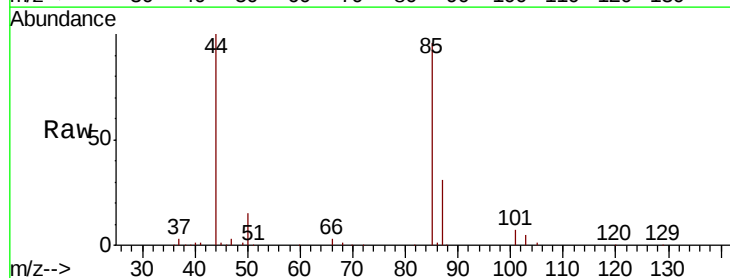
Acq: 7 Dec 2018 10:31

Tgt Ion: 85 Resp: 849768

Ion Ratio Lower Upper

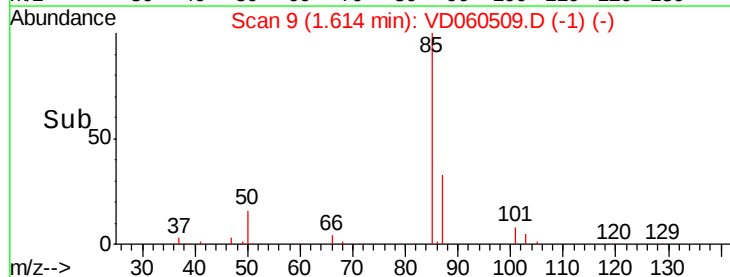
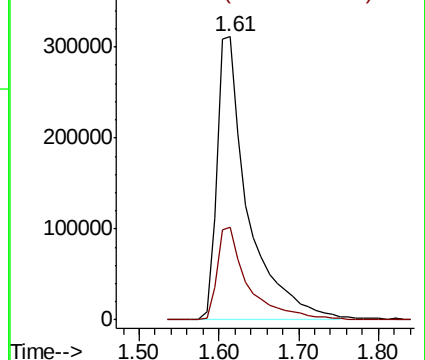
85 100

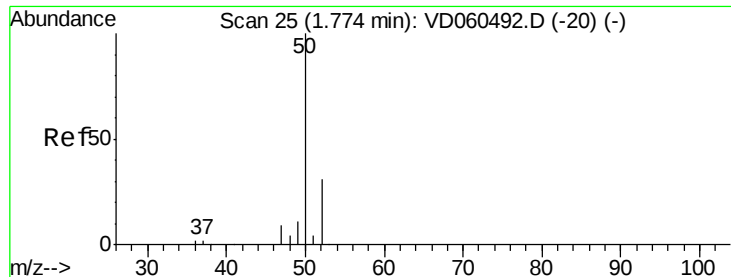
87 32.7 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.718 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

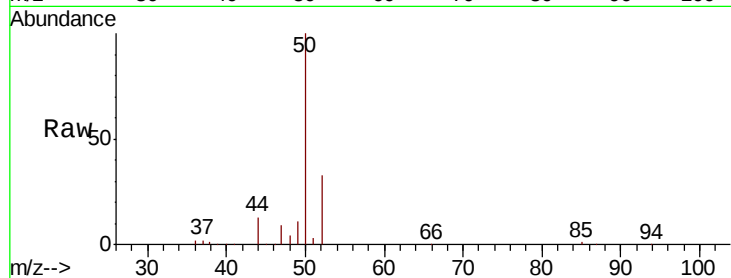
VSTDCCC050

Tot Ion: 50 Resp: 853437

Ion Ratio Lower Upper

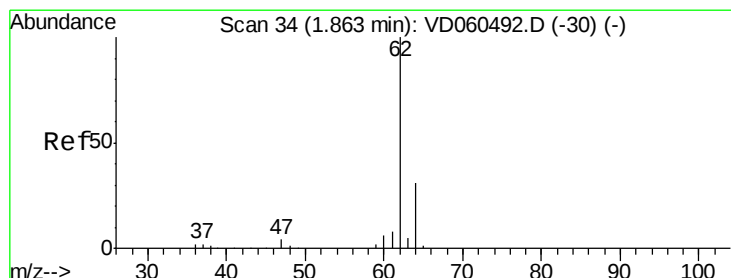
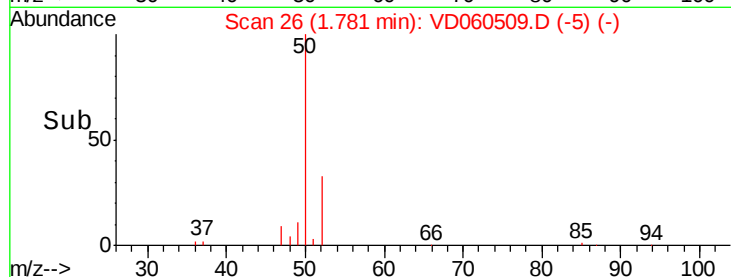
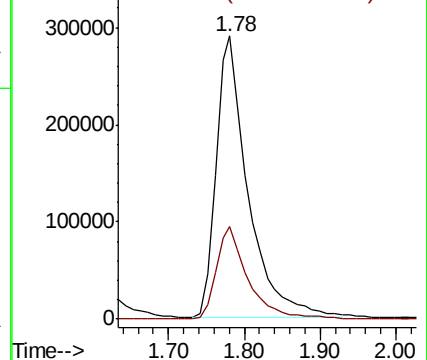
50 100

52 32.6 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: 48.692 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060509.D

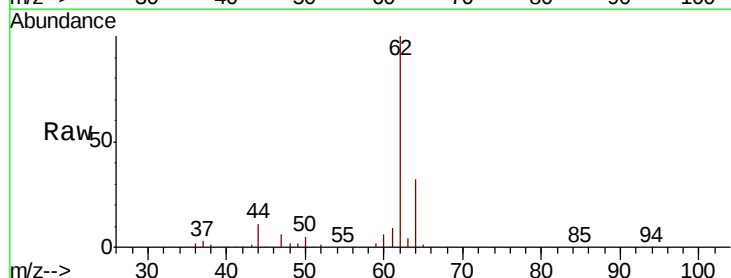
Acq: 7 Dec 2018 10:31

Tgt Ion: 62 Resp: 725435

Ion Ratio Lower Upper

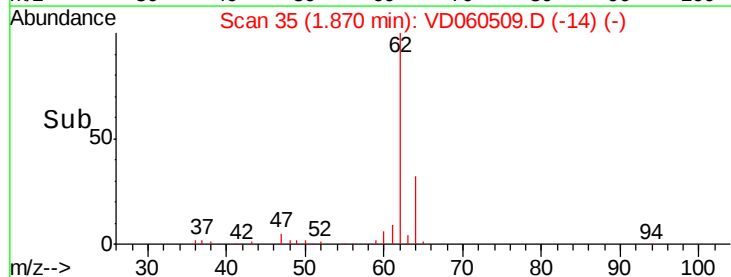
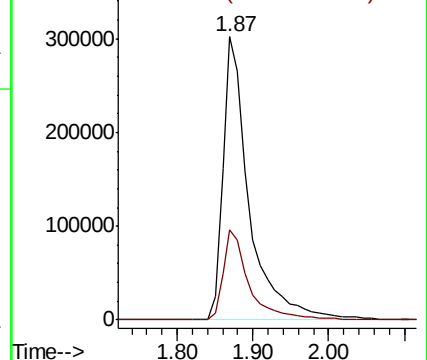
62 100

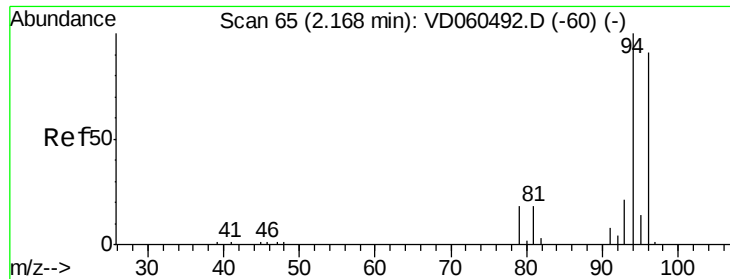
64 31.8 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

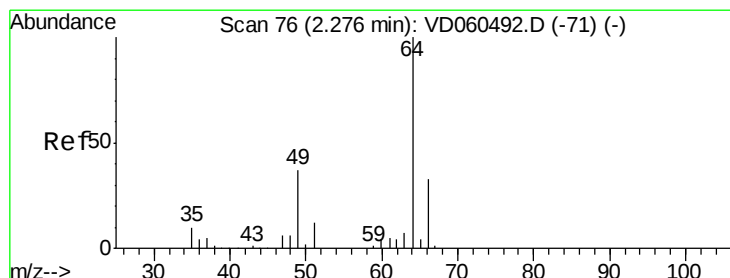
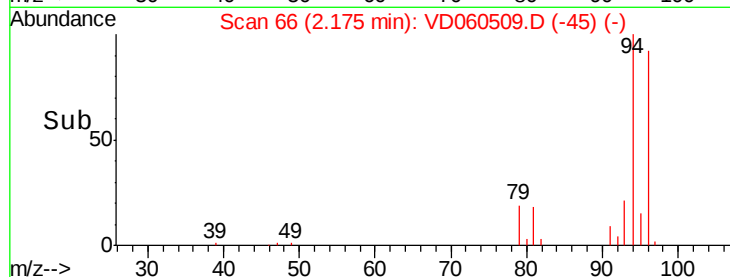
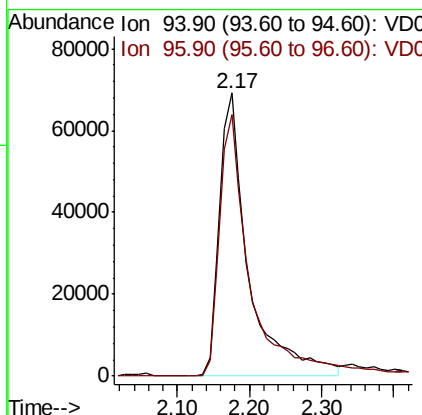
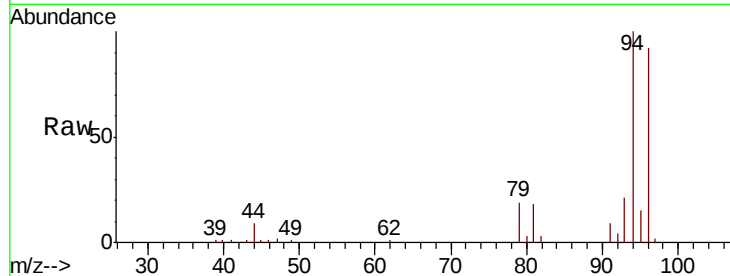




#5
Bromomethane
Concen: 52.088 ug/l
RT: 2.17 min Scan# 66
Delta R.T. 0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

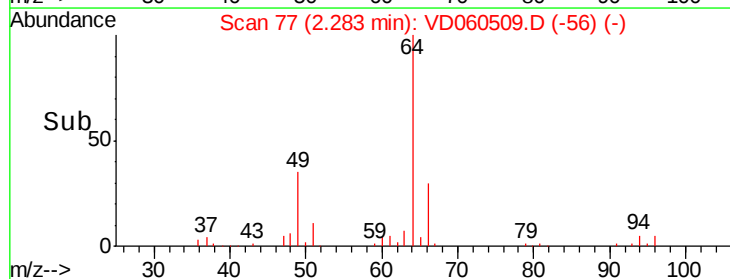
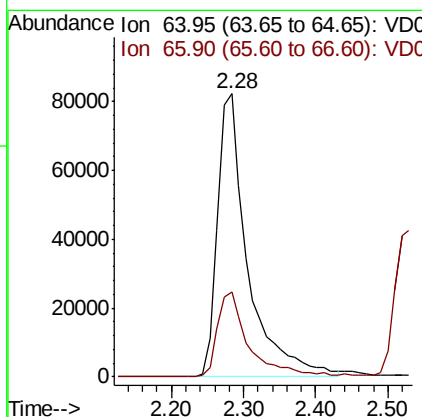
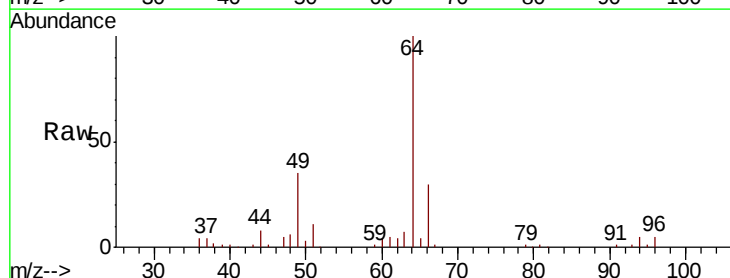
Instrument :
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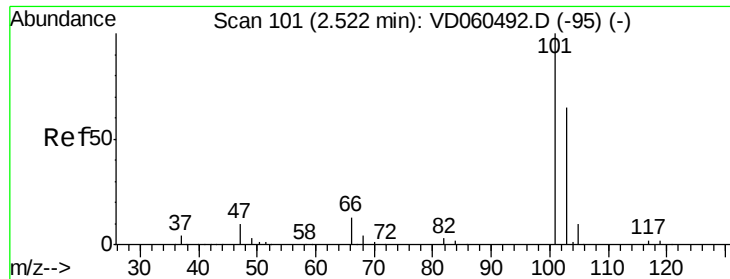
Tot Ion: 94 Resp: 194140
Ion Ratio Lower Upper
94 100
96 92.4 72.6 108.8



#6
Chloroethane
Concen: 49.080 ug/l
RT: 2.28 min Scan# 77
Delta R.T. 0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 64 Resp: 237704
Ion Ratio Lower Upper
64 100
66 29.8 26.4 39.6



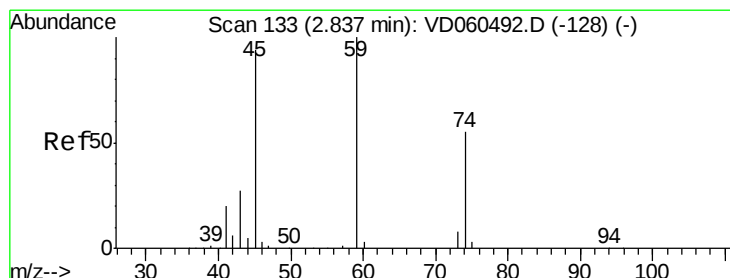
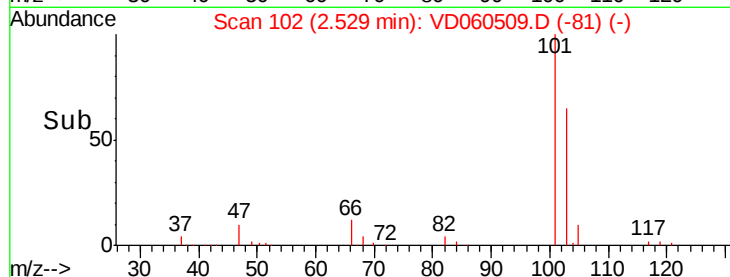
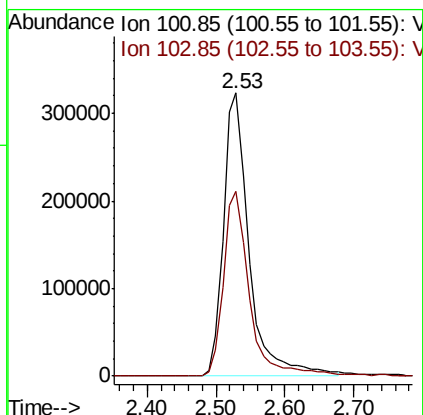
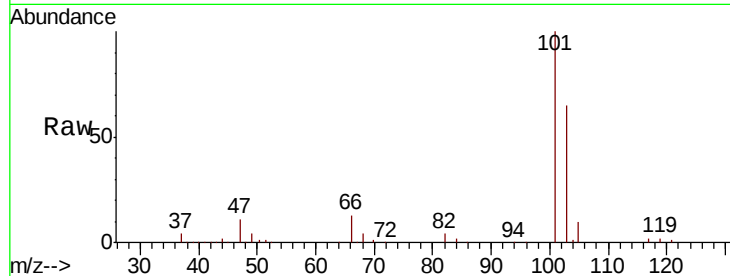


#7

Trichlorofluoromethane
 Concen: 48.292 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

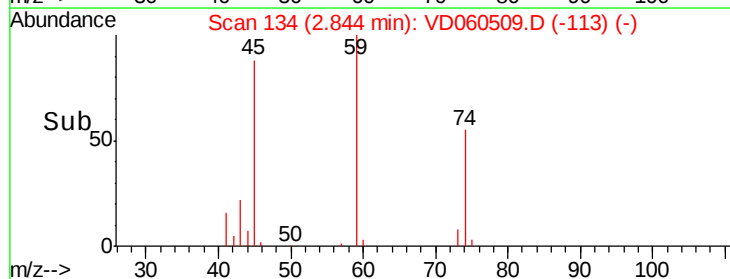
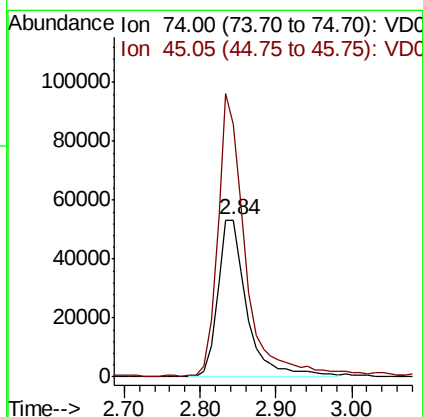
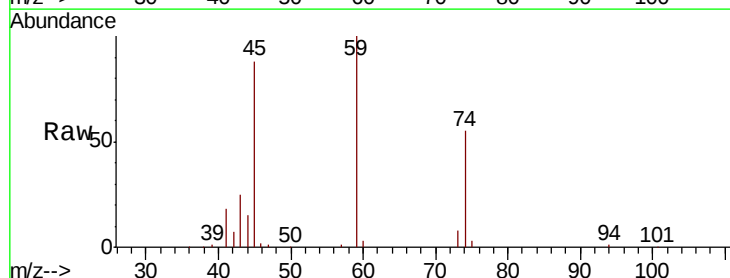
Tot Ion:101 Resp: 830760
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.8 77.8

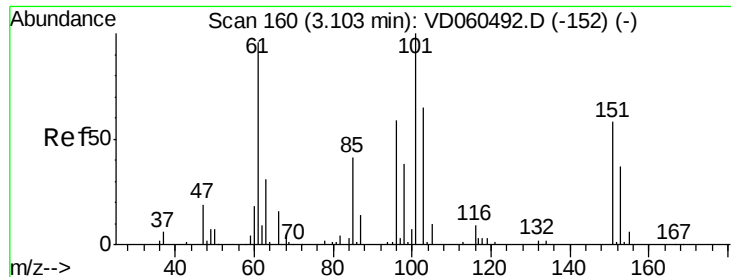


#8

Diethyl Ether
 Concen: 48.017 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 74 Resp: 142675
 Ion Ratio Lower Upper
 74 100
 45 161.1 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.607 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

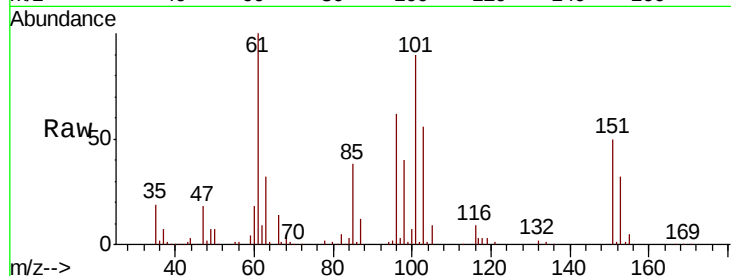
Tot Ion:101 Resp: 553701

Ion Ratio Lower Upper

101 100

85 42.1 32.7 49.1

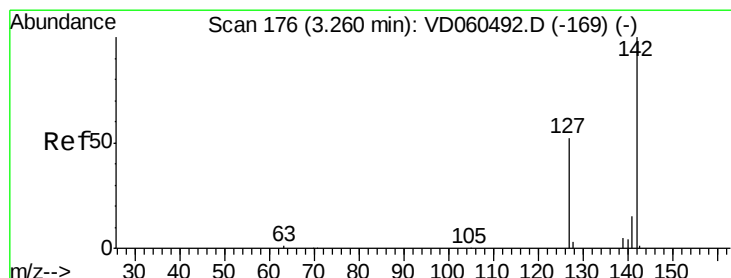
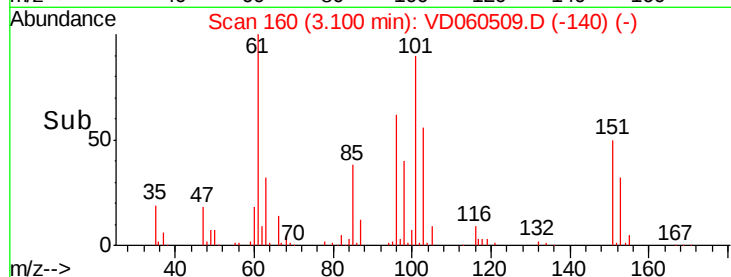
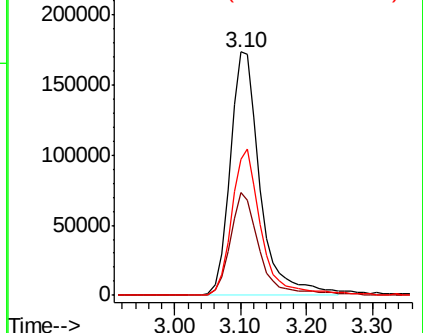
151 55.8 46.6 69.8



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: 49.048 ug/l

RT: 3.26 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

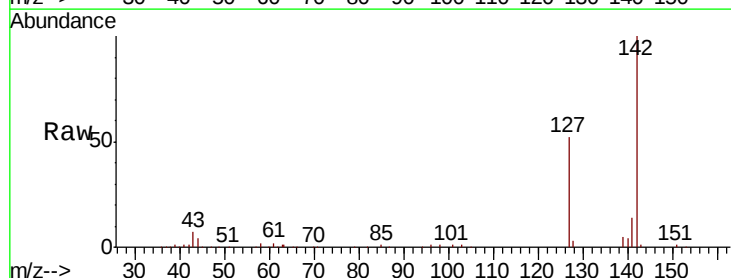
Tgt Ion:142 Resp: 639928

Ion Ratio Lower Upper

142 100

127 52.5 41.2 61.8

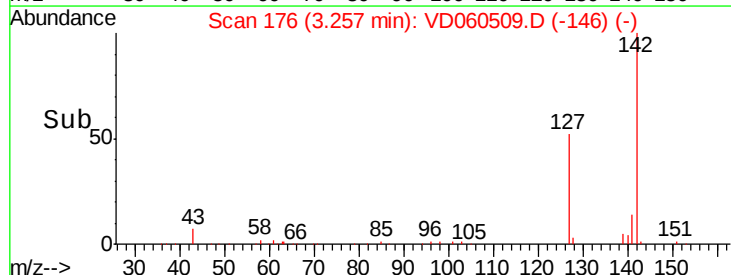
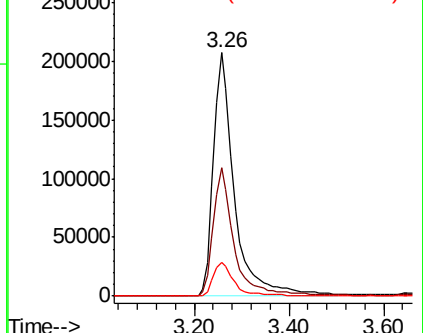
141 13.8 11.9 17.9

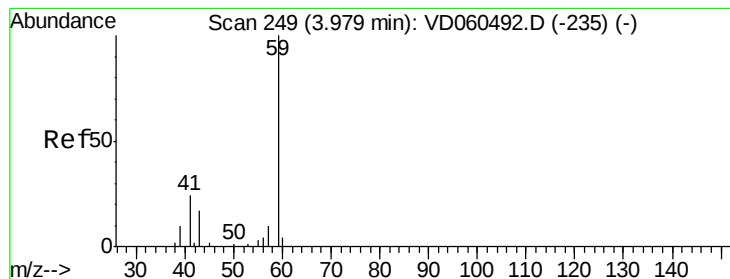


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



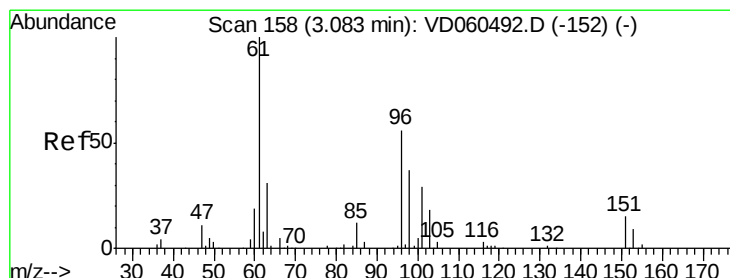
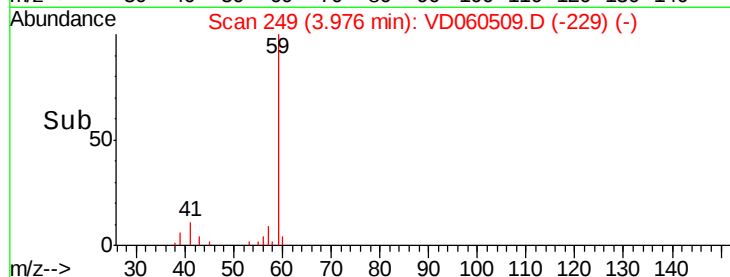
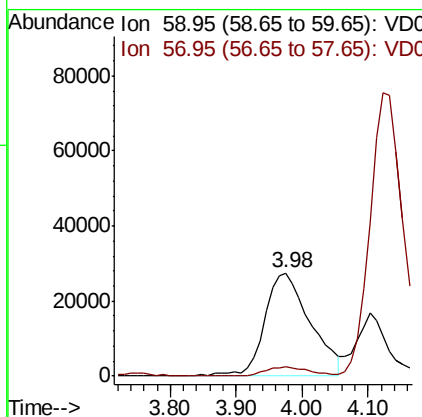
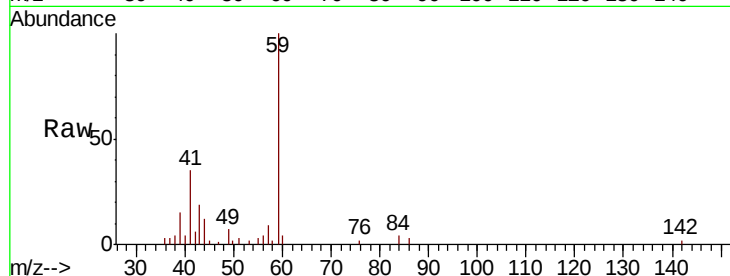


#11

Tert butyl alcohol
 Concen: 251.997 ug/l
 RT: 3.98 min Scan# 249
 Delta R.T. -0.00 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

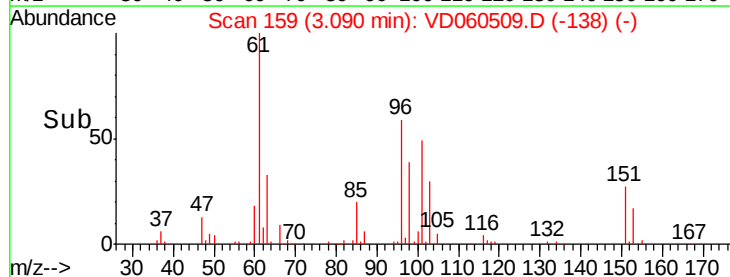
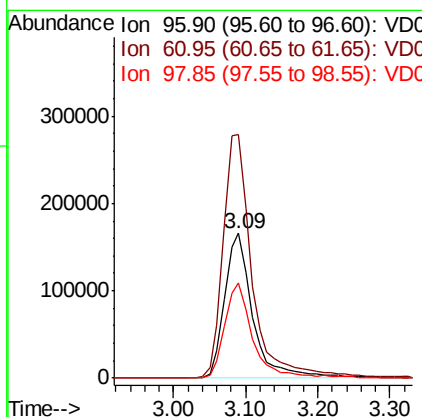
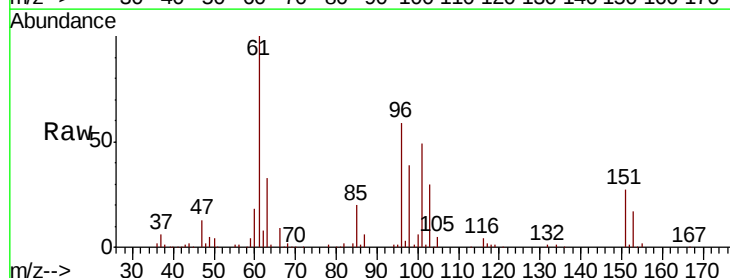
Tot Ion: 59 Resp: 131844
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.1 12.1

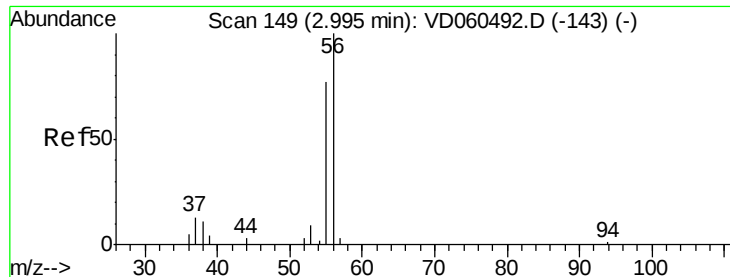


#12

1,1-Dichloroethene
 Concen: 49.156 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. 0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 96 Resp: 446404
 Ion Ratio Lower Upper
 96 100
 61 168.6 143.0 214.4
 98 65.9 53.4 80.0

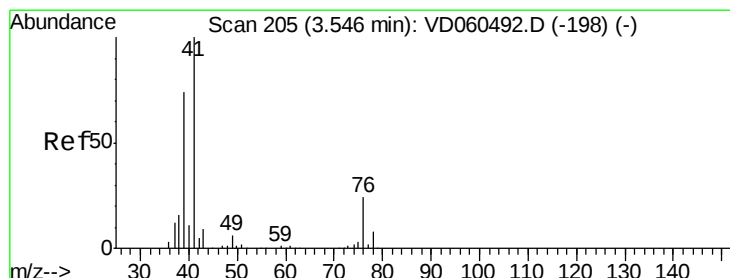
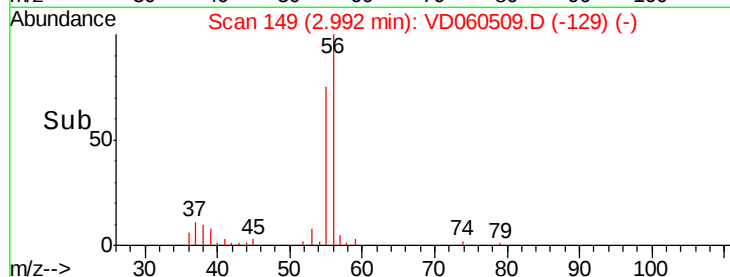
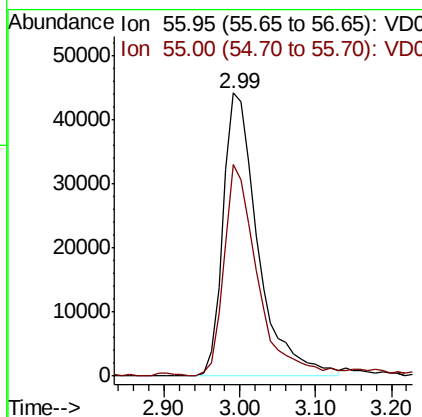
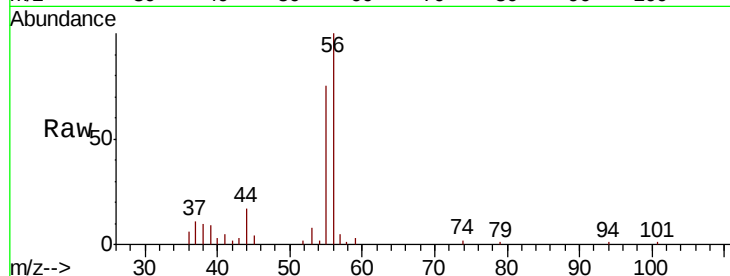




#13
 Acrolein
 Concen: 247.632 ug/l
 RT: 2.99 min Scan# 149
 Delta R.T. -0.00 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

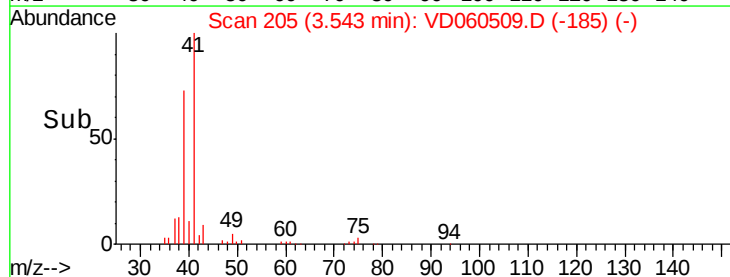
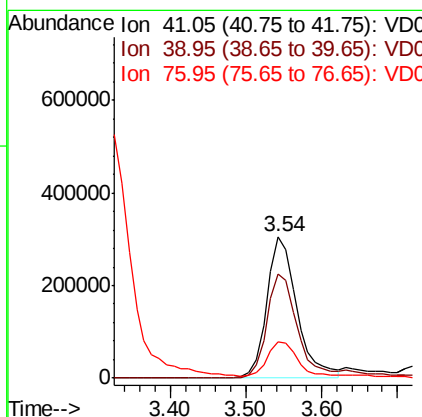
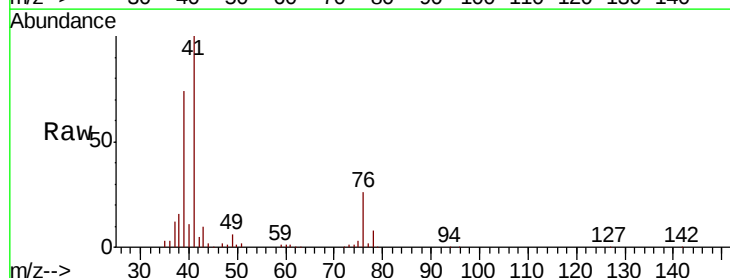
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

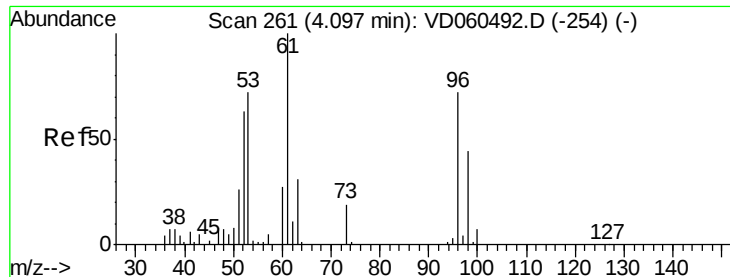
Tot Ion: 56 Resp: 141568
 Ion Ratio Lower Upper
 56 100
 55 74.9 62.0 93.0



#14
 Allyl chloride
 Concen: 48.932 ug/l
 RT: 3.54 min Scan# 205
 Delta R.T. -0.00 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 41 Resp: 843108
 Ion Ratio Lower Upper
 41 100
 39 73.8 59.3 88.9
 76 26.1 21.0 31.6





#15

Acrylonitrile

Concen: 243.662 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

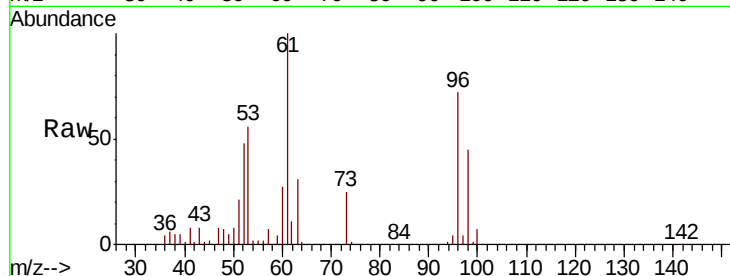
Tot Ion: 53 Resp: 723857

Ion Ratio Lower Upper

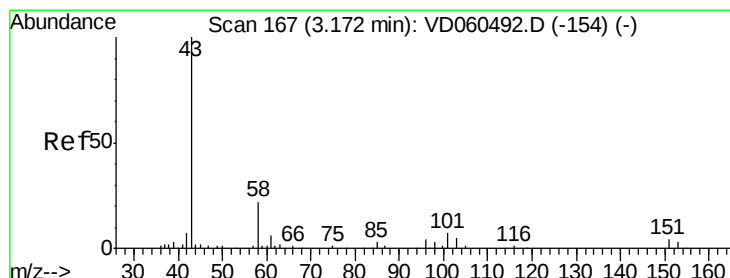
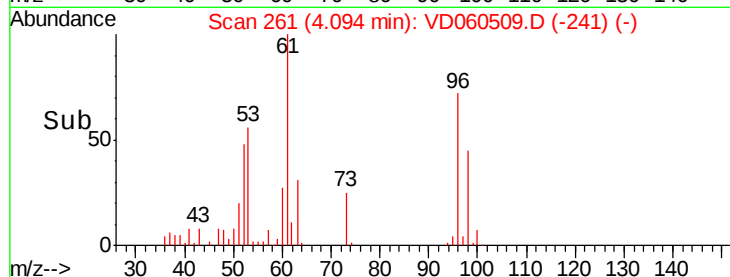
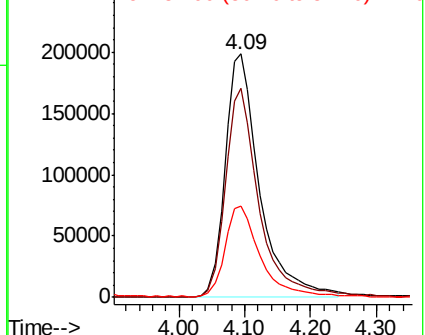
53 100

52 85.7 70.0 105.0

51 37.5 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: 290.498 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060509.D

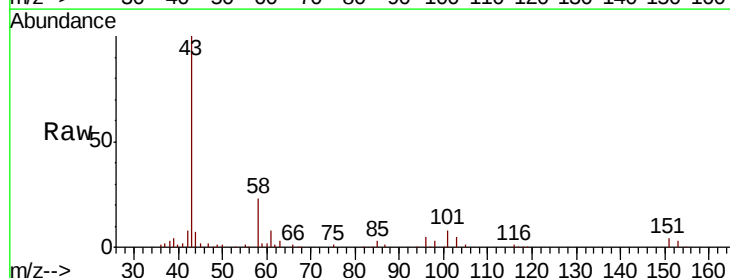
Acq: 7 Dec 2018 10:31

Tgt Ion: 43 Resp: 599656

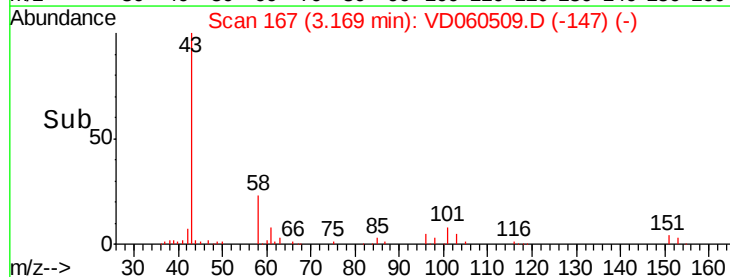
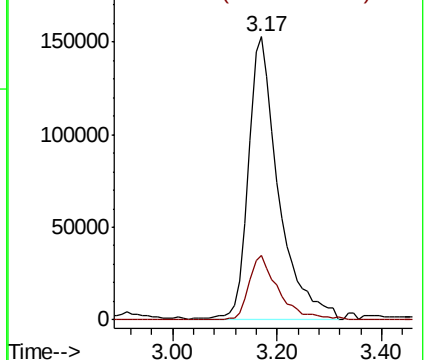
Ion Ratio Lower Upper

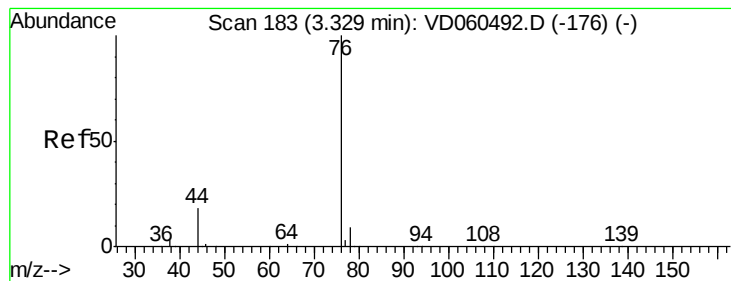
43 100

58 22.8 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: 47.290 ug/l

RT: 3.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

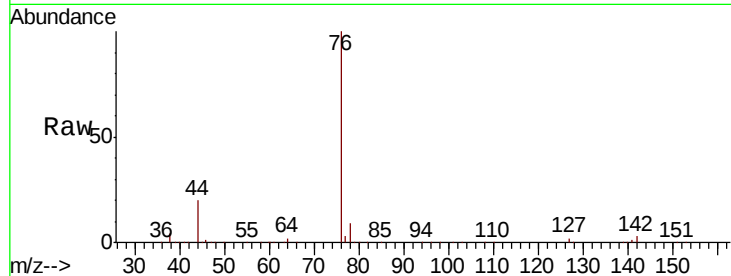
VSTDCCC050

Tot Ion: 76 Resp: 1395007

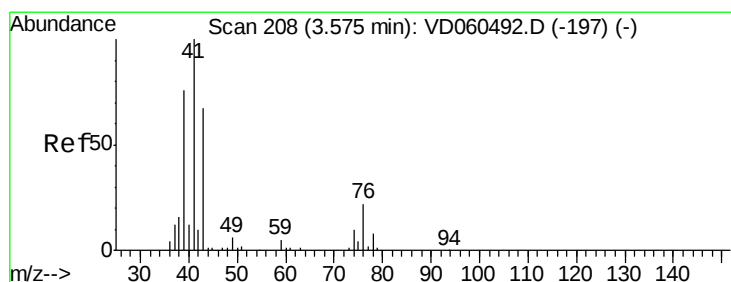
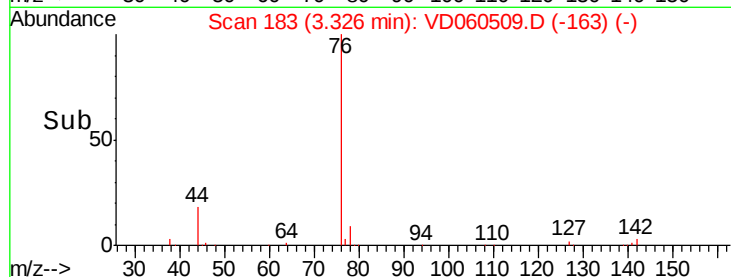
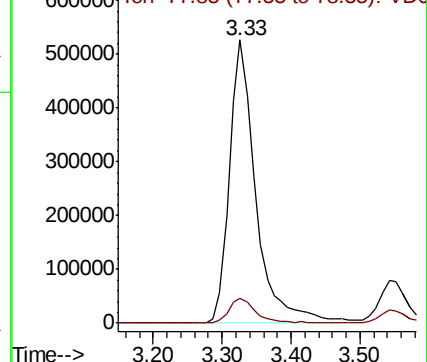
Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



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



#18

Methyl Acetate

Concen: 45.840 ug/l

RT: 3.56 min Scan# 207

Delta R.T. -0.01 min

Lab File: VD060509.D

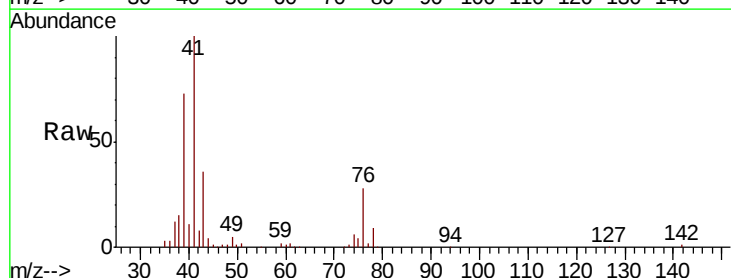
Acq: 7 Dec 2018 10:31

Tgt Ion: 43 Resp: 224888

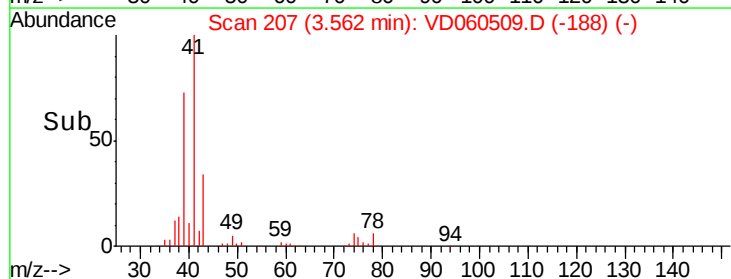
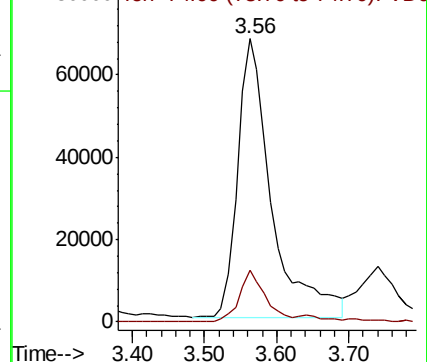
Ion Ratio Lower Upper

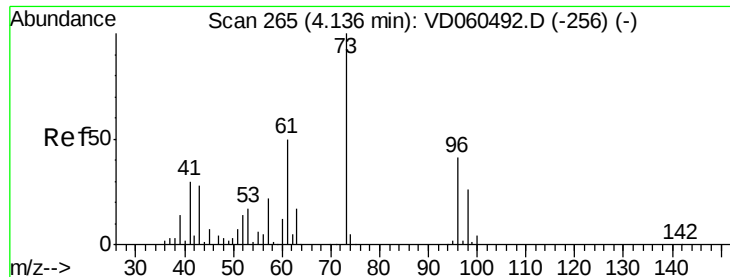
43 100

74 18.1 12.0 18.0#



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

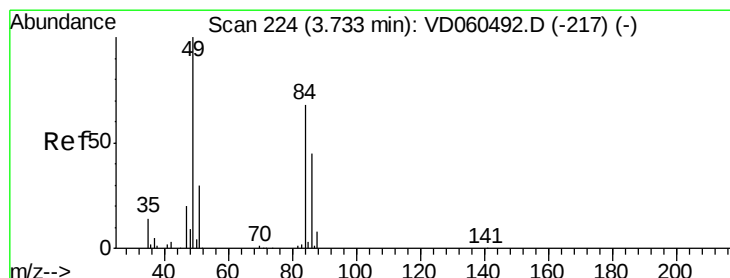
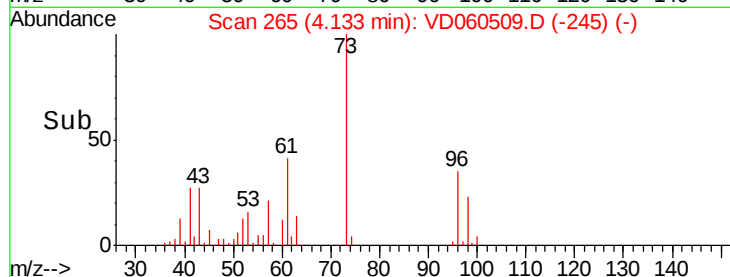
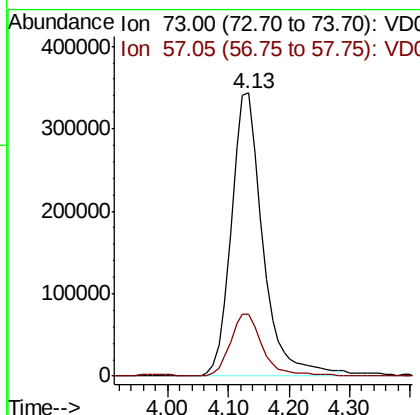
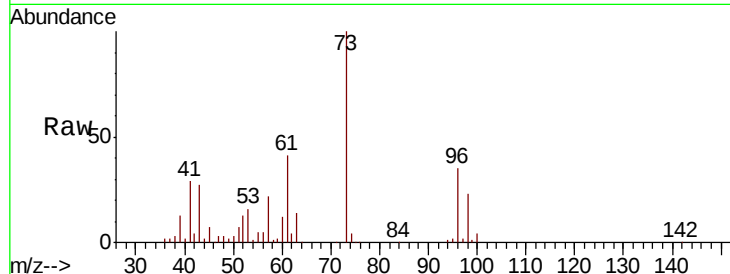




#19
Methyl tert-butyl Ether
Concen: 49.409 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

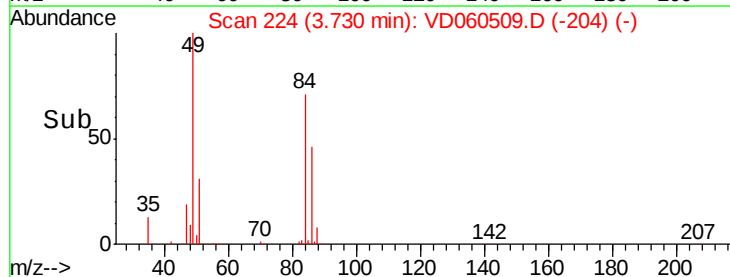
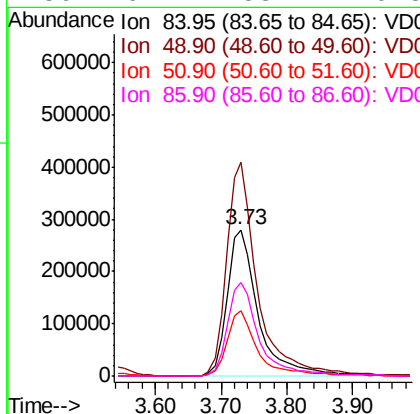
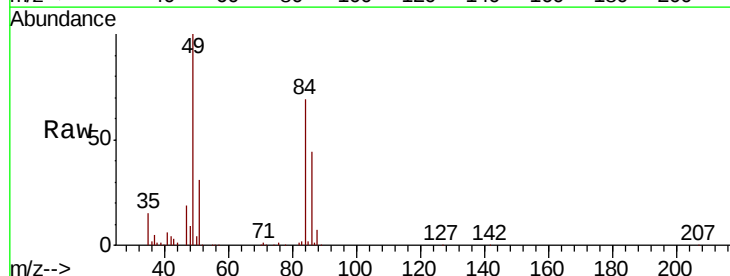
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

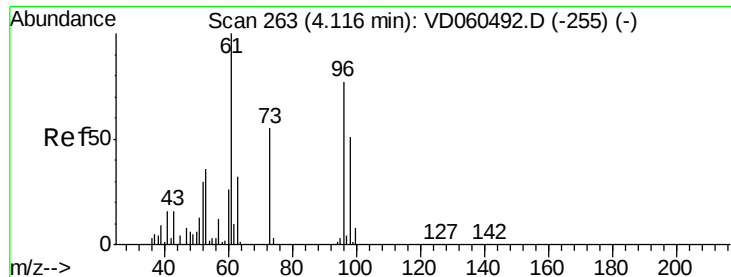
Tot Ion: 73 Resp: 1244330
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.6



#20
Methylene Chloride
Concen: 48.395 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 84 Resp: 919994
Ion Ratio Lower Upper
84 100
49 145.8 117.2 175.8
51 45.0 35.3 52.9
86 64.2 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 49.589 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

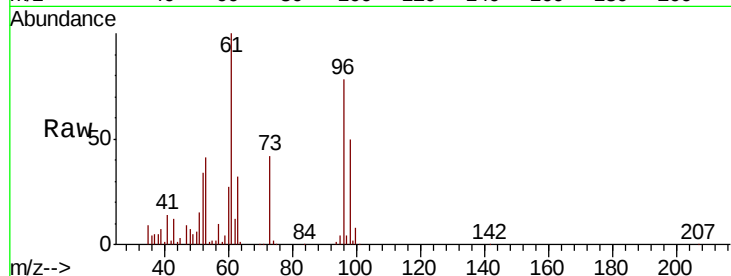
Tot Ion: 96 Resp: 979590

Ion Ratio Lower Upper

96 100

61 128.7 104.2 156.4

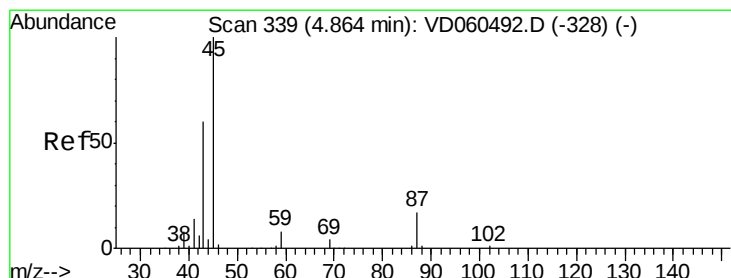
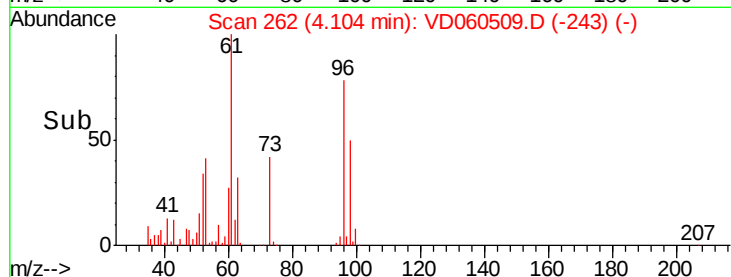
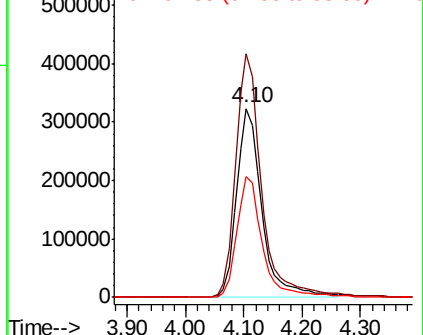
98 64.1 52.8 79.2



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: 48.958 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Tgt Ion: 45 Resp: 3028685

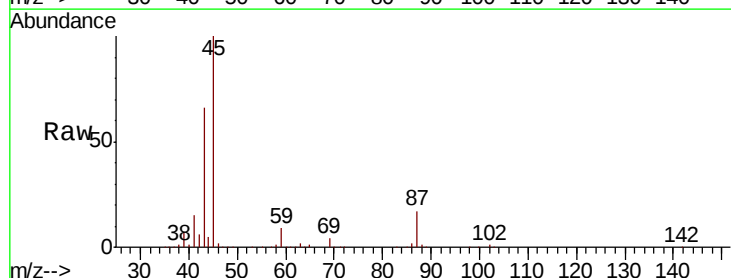
Ion Ratio Lower Upper

45 100

43 66.3 48.6 73.0

87 16.9 14.0 21.0

59 8.9 6.9 10.3

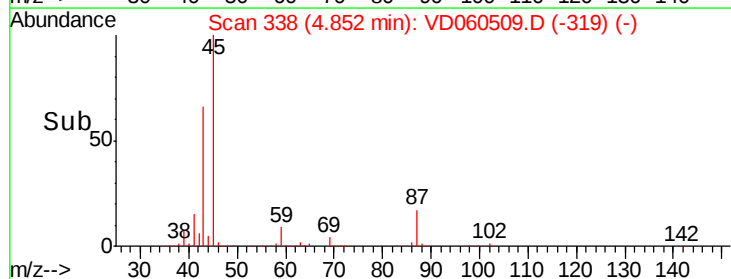
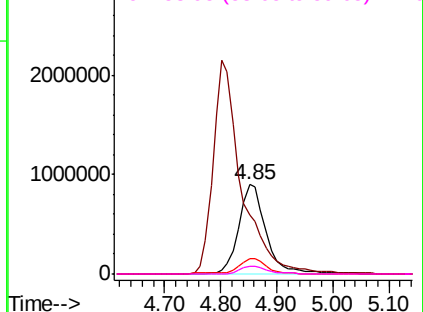


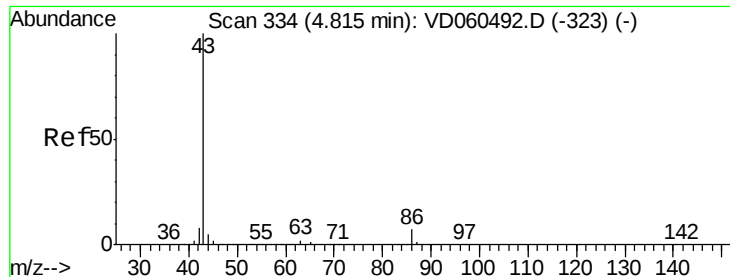
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

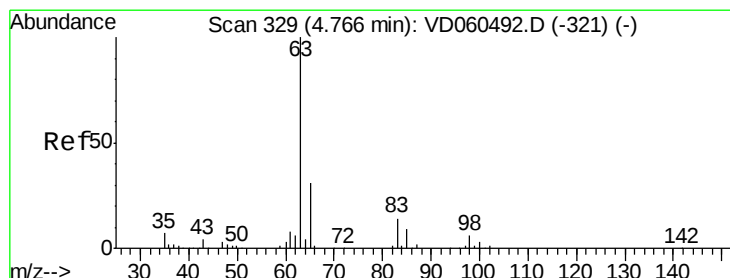
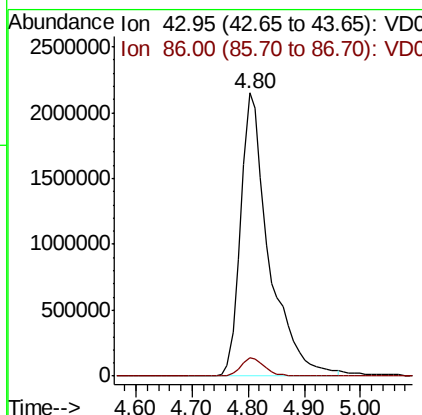
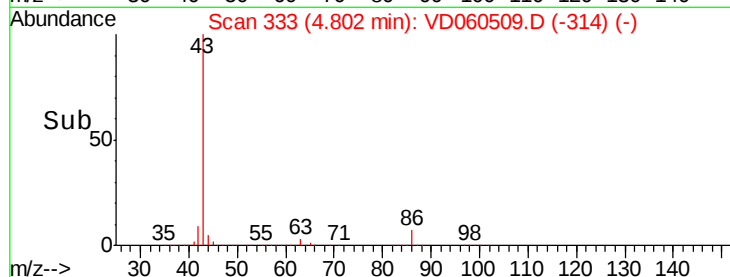
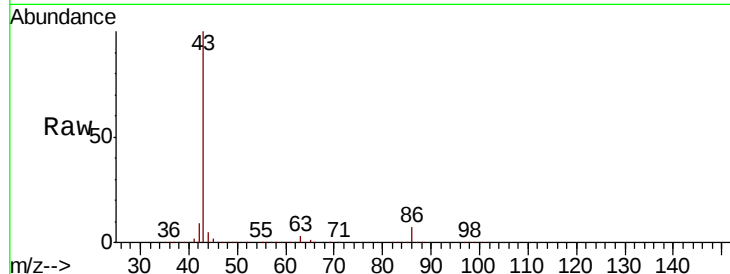




#23
 Vinyl Acetate
 Concen: 246.071 ug/l
 RT: 4.80 min Scan# 333
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

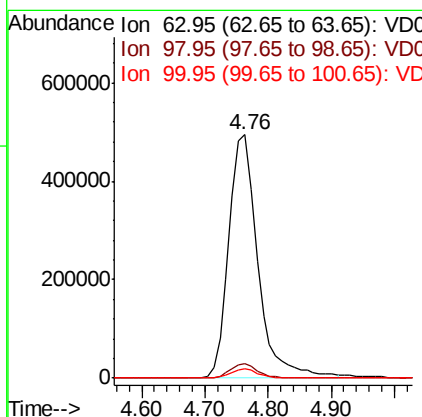
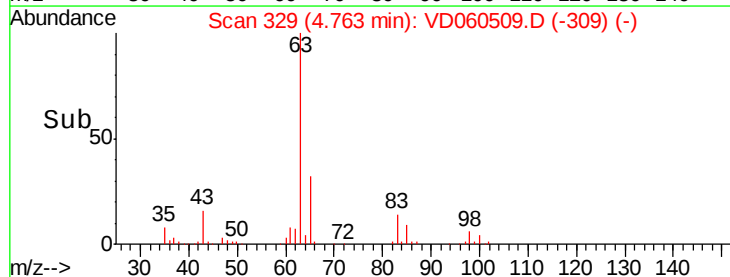
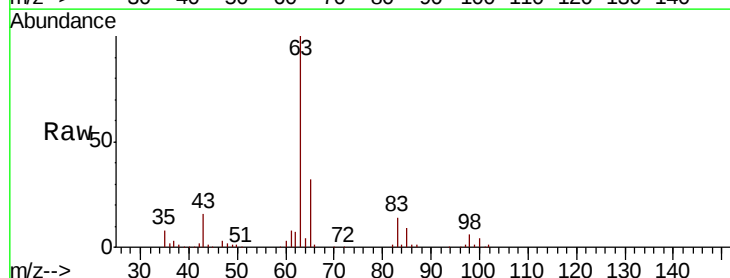
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

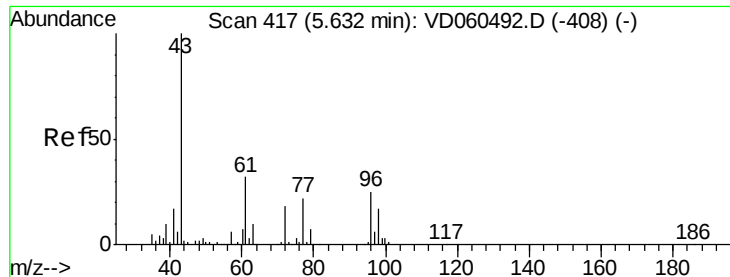
Tot Ion: 43 Resp: 7542130
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.5 8.3



#24
 1,1-Dichloroethane
 Concen: 49.165 ug/l
 RT: 4.76 min Scan# 329
 Delta R.T. -0.00 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 63 Resp: 1580062
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.8 8.3
 100 3.9 1.7 5.1





#25

2-Butanone

Concen: 273.373 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

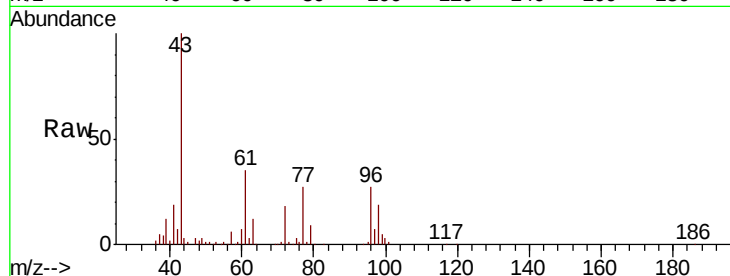
VSTDCCC050

Tot Ion: 43 Resp: 1110220

Ion Ratio Lower Upper

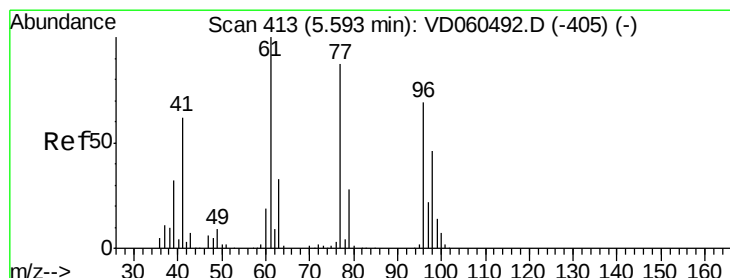
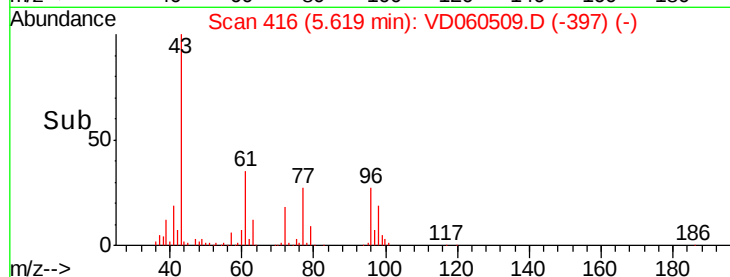
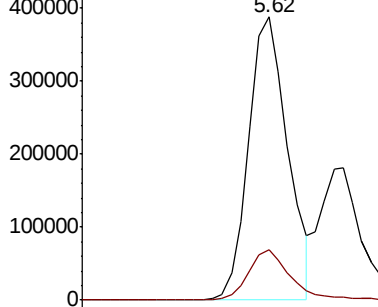
43 100

72 17.8 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: 51.223 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.01 min

Lab File: VD060509.D

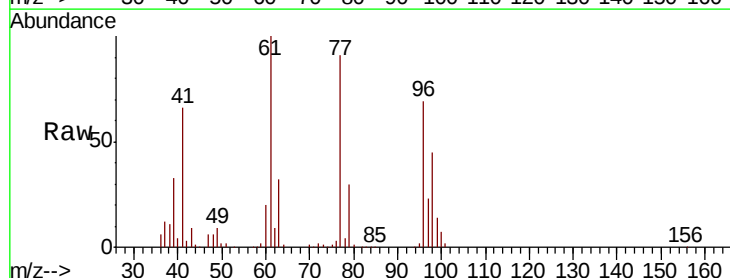
Acq: 7 Dec 2018 10:31

Tgt Ion: 77 Resp: 1271723

Ion Ratio Lower Upper

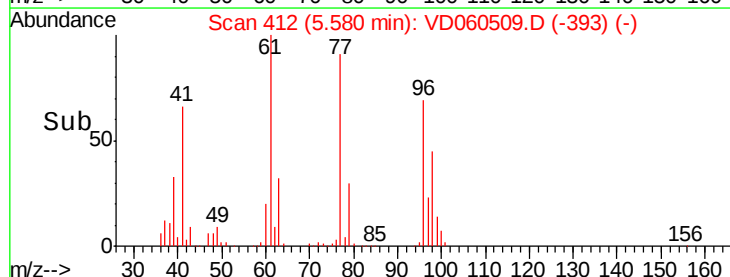
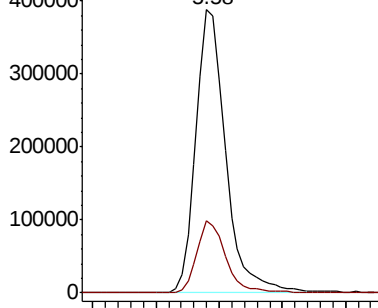
77 100

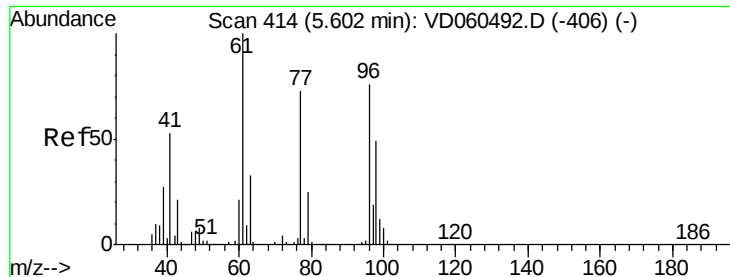
97 25.4 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



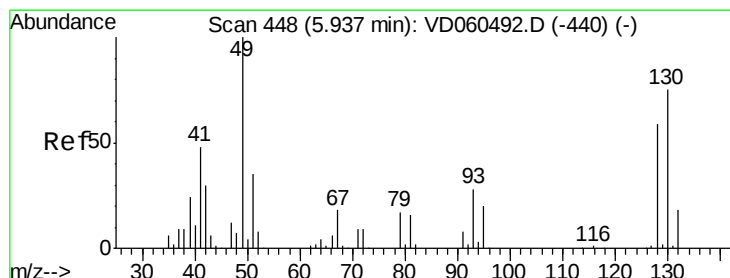
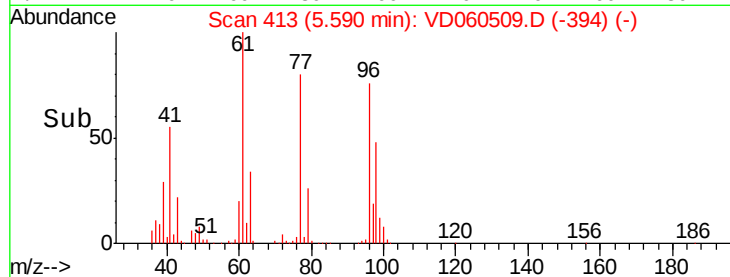
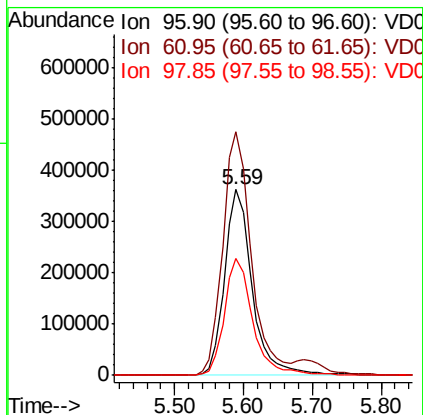
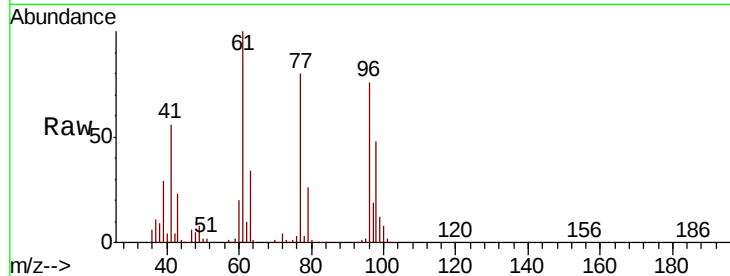


#27

cis-1,2-Dichloroethene
 Concen: 50.065 ug/l
 RT: 5.59 min Scan# 413
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

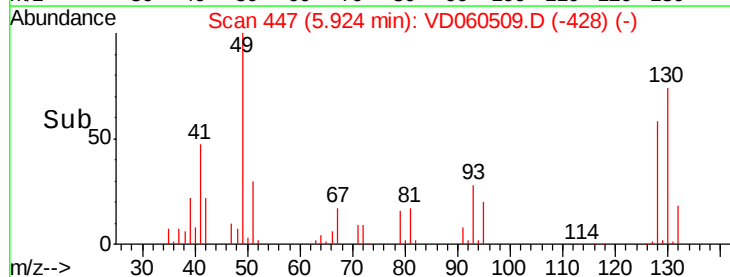
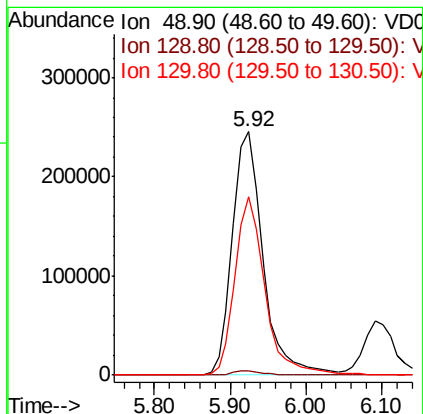
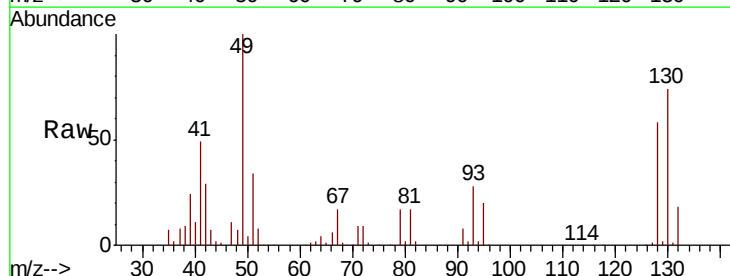
Tot Ion: 96 Resp: 1005575
 Ion Ratio Lower Upper
 96 100
 61 131.0 0.0 263.6
 98 62.9 0.0 128.2



#28

Bromochloromethane
 Concen: 48.445 ug/l
 RT: 5.92 min Scan# 447
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 49 Resp: 689700
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.4
 130 73.5 59.8 89.6





#29

Tetrahydrofuran

Concen: 249.379 ug/l

RT: 5.94 min Scan# 449

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

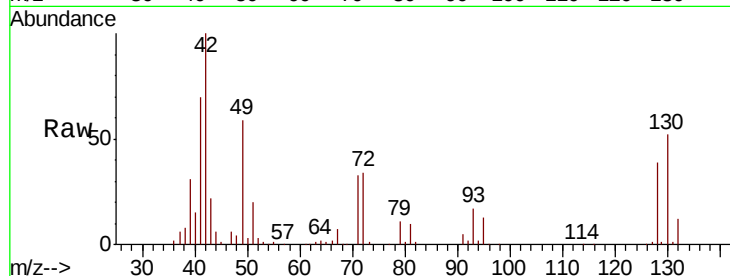
Tot Ion: 42 Resp: 573514

Ion Ratio Lower Upper

42 100

72 34.3 28.0 42.0

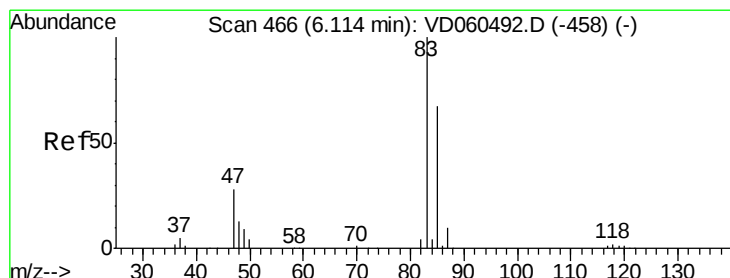
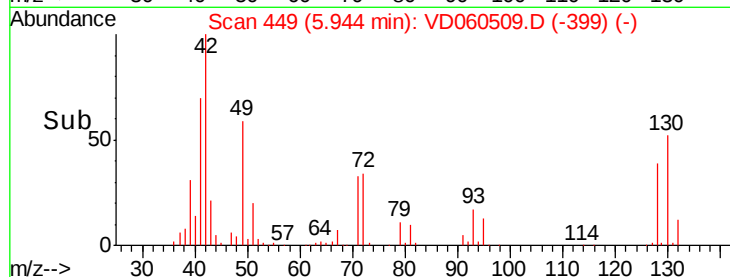
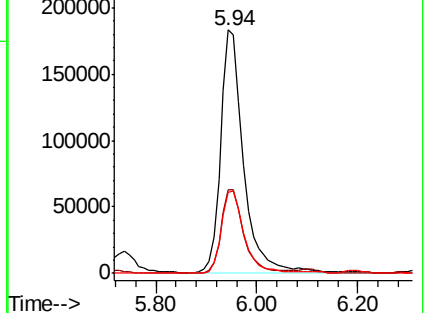
71 33.8 27.2 40.8



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: 49.171 ug/l

RT: 6.10 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD060509.D

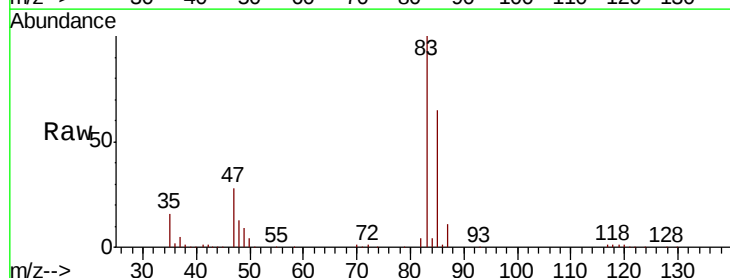
Acq: 7 Dec 2018 10:31

Tgt Ion: 83 Resp: 1592023

Ion Ratio Lower Upper

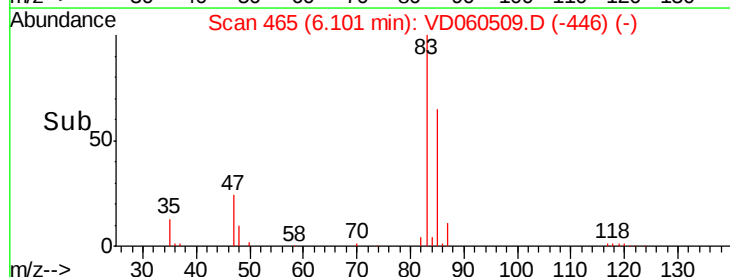
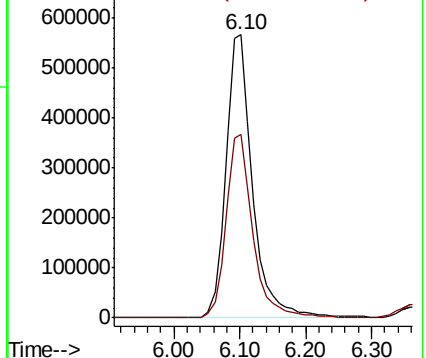
83 100

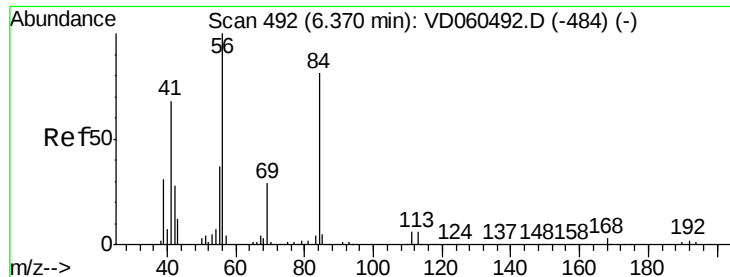
85 64.8 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

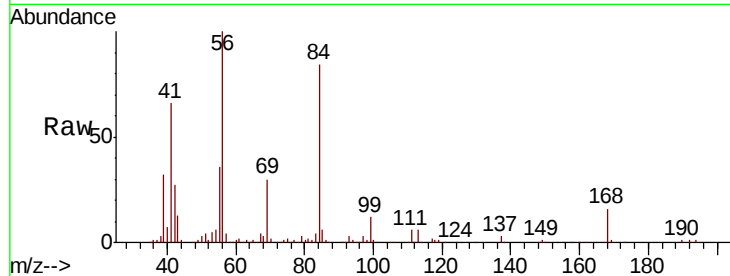




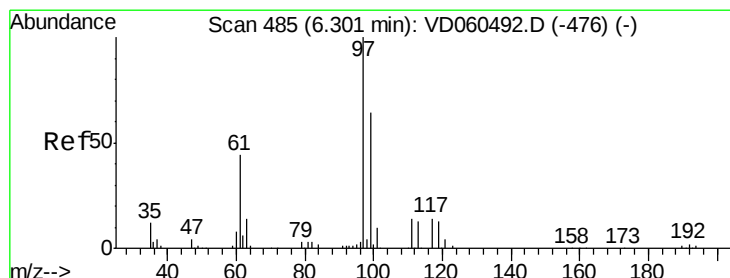
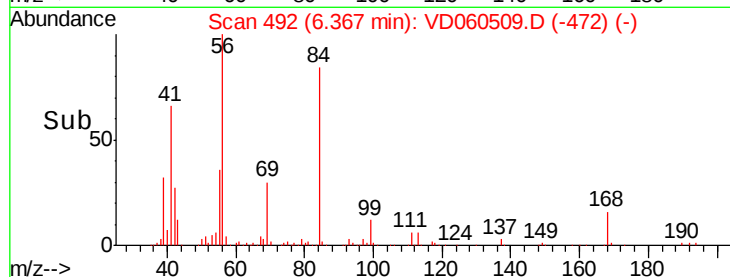
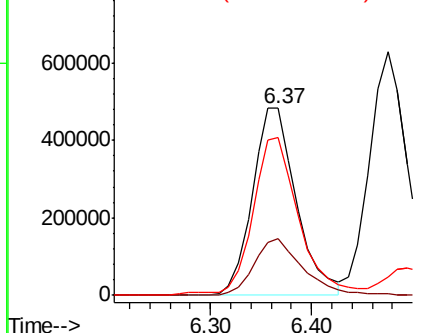
#31
Cyclohexane
Concen: 53.525 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1463525
Ion Ratio Lower Upper
56 100
69 30.2 22.8 34.2
84 84.2 65.1 97.7

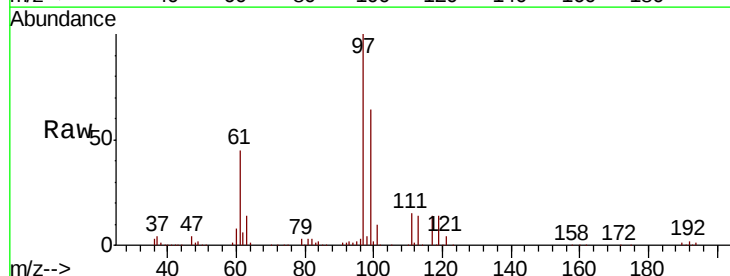


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

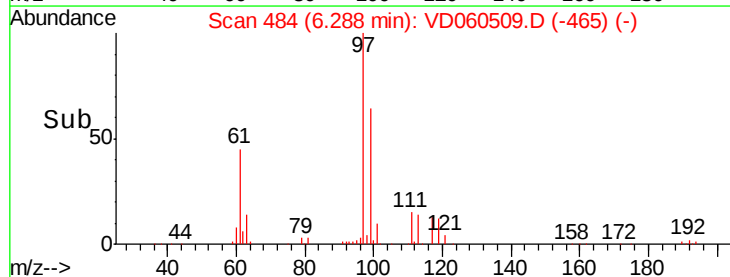
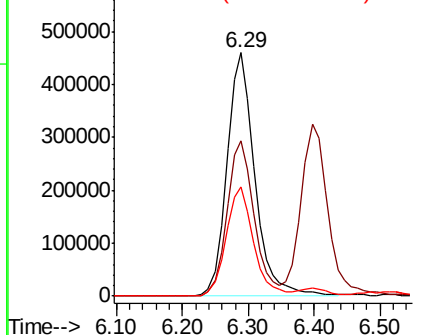


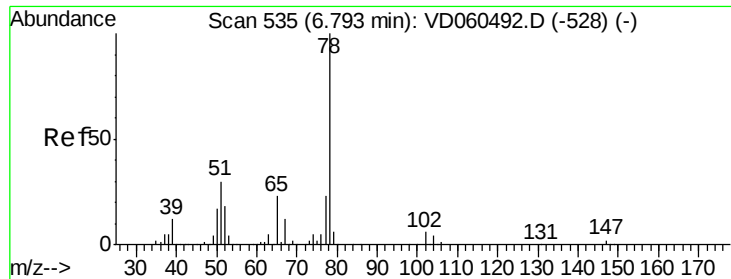
#32
1,1,1-Trichloroethane
Concen: 51.228 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 97 Resp: 1363548
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.4
61 44.7 35.3 52.9



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.228 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

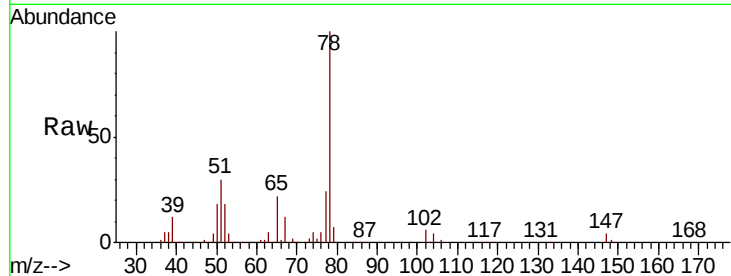
VSTDCCC050

Tot Ion: 65 Resp: 630331

Ion Ratio Lower Upper

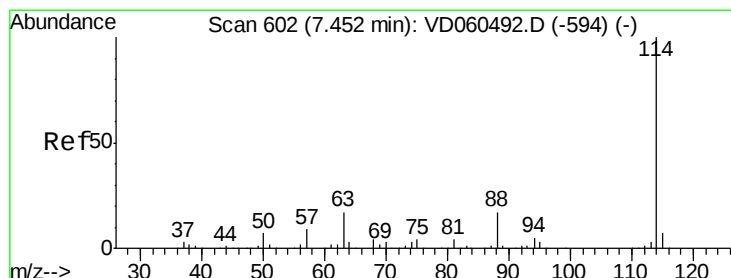
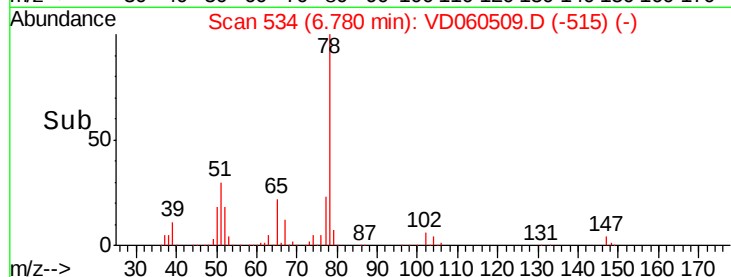
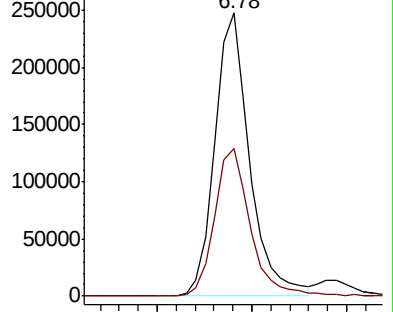
65 100

67 52.1 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: 7.43 min Scan# 600

Delta R.T. -0.02 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

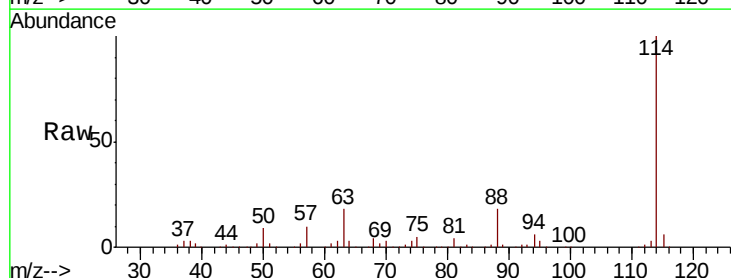
Tgt Ion:114 Resp: 2494700

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.2

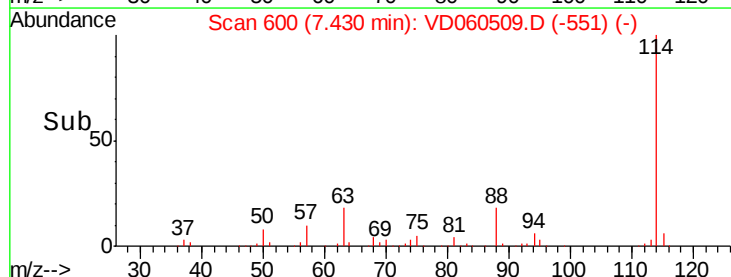
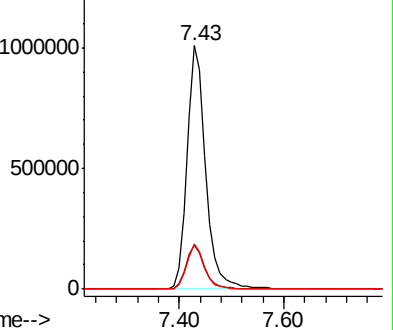
88 18.5 0.0 35.0

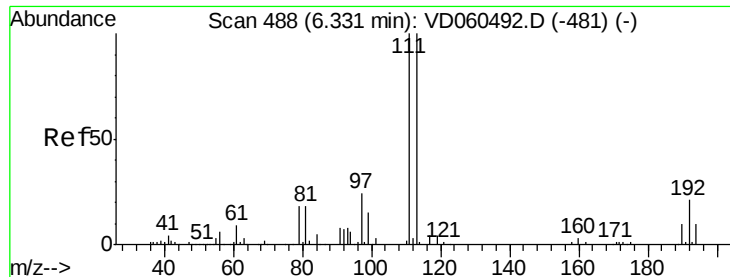


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

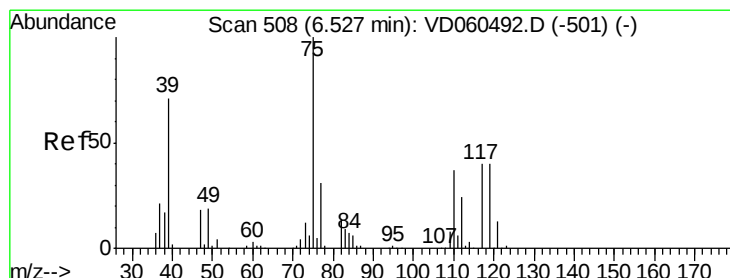
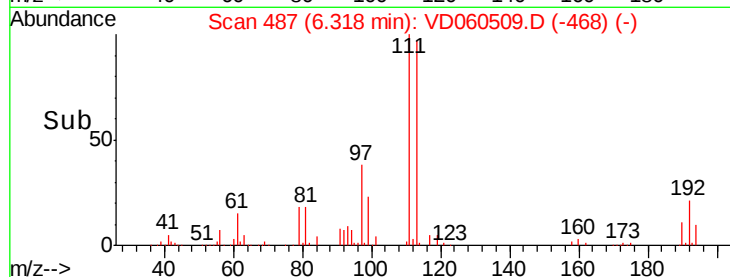
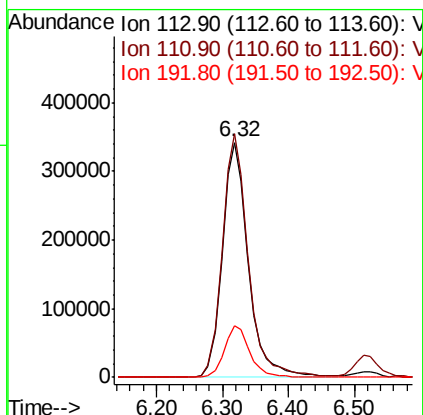
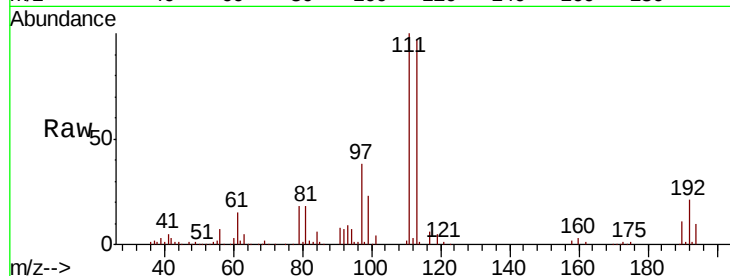




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

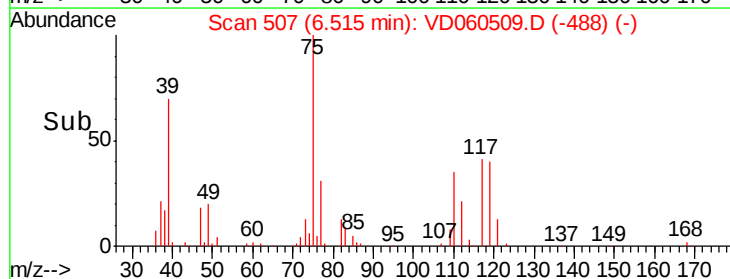
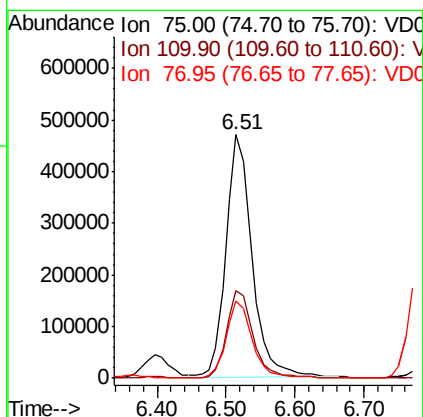
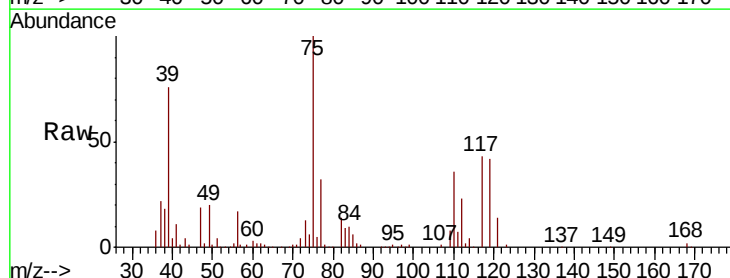
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

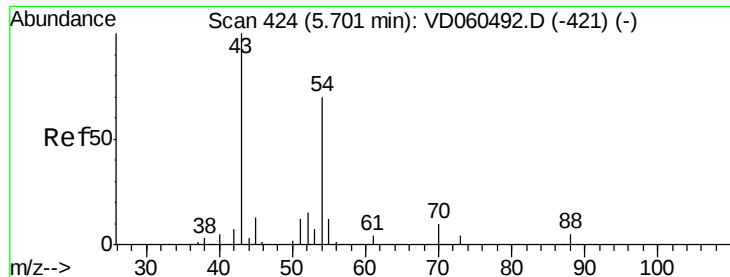
Tot Ion:113 Resp: 941751
 Ion Ratio Lower Upper
 113 100
 111 103.5 80.2 120.4
 192 21.9 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 50.529 ug/l
 RT: 6.51 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 75 Resp: 1232166
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.3 54.8
 77 31.6 24.6 37.0

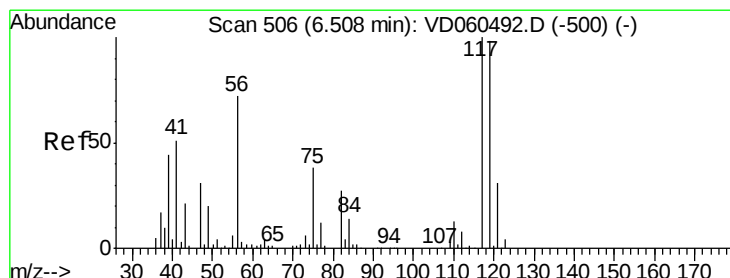
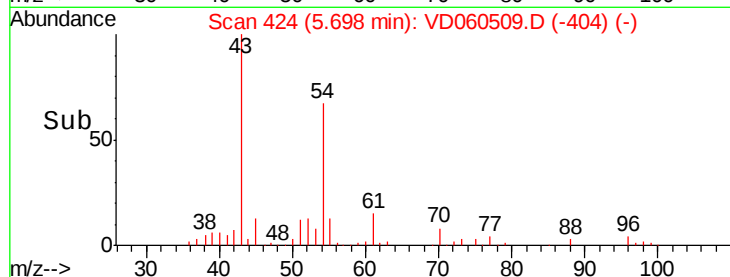
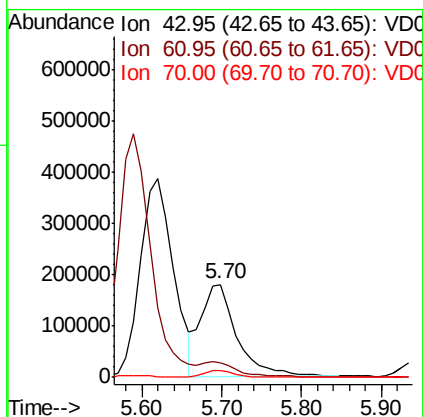
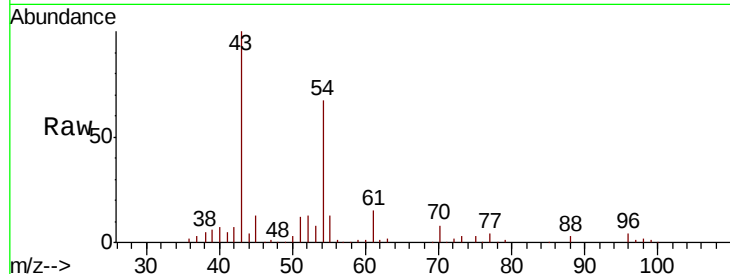




#37
Ethyl Acetate
Concen: 52.656 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

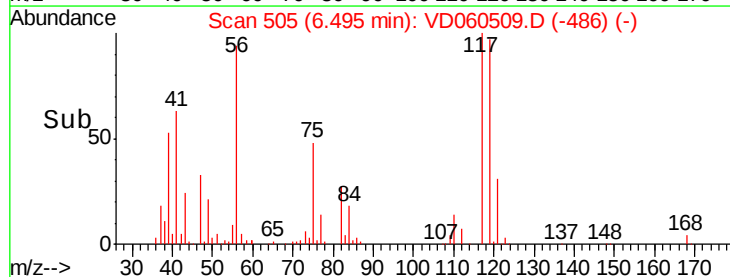
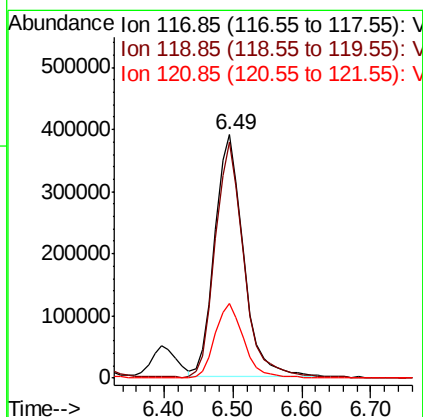
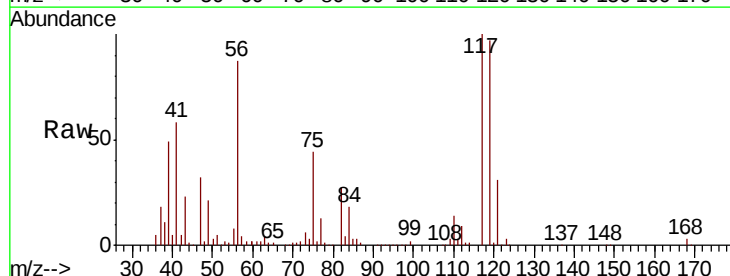
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

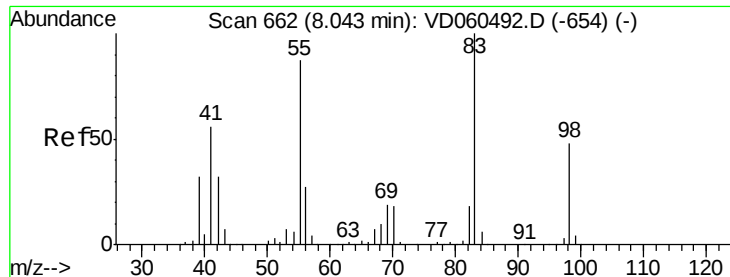
Tot Ion: 43 Resp: 556866
Ion Ratio Lower Upper
43 100
61 15.3 12.4 18.6
70 7.8 5.4 8.0



#38
Carbon Tetrachloride
Concen: 51.600 ug/l
RT: 6.49 min Scan# 505
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 117 Resp: 1129625
Ion Ratio Lower Upper
117 100
119 96.7 76.8 115.2
121 30.9 24.4 36.6

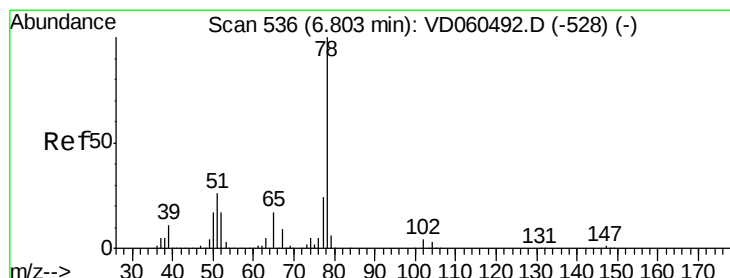
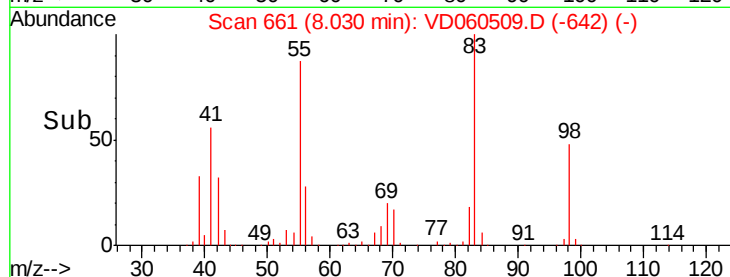
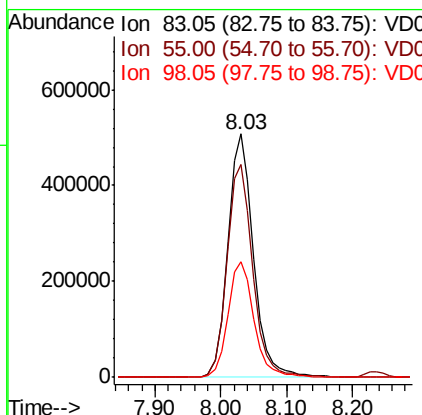
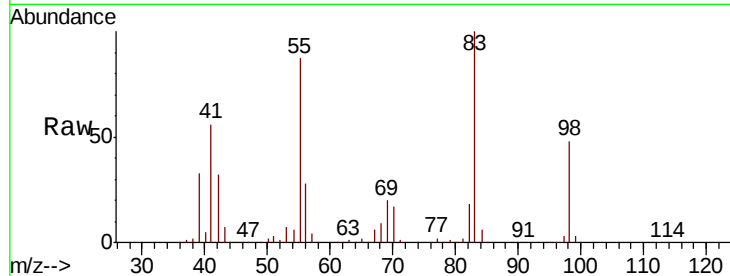




#39
Methvlcvclohexane
Concen: 49.602 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

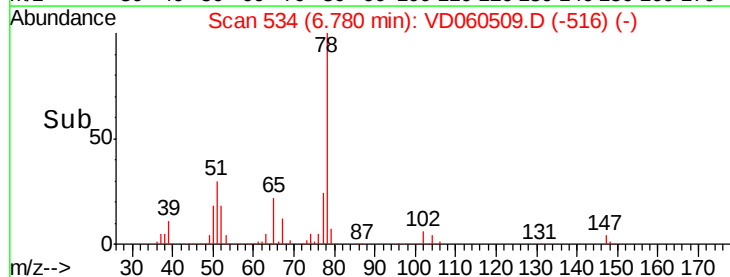
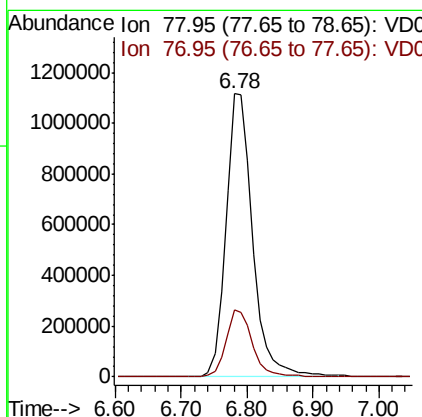
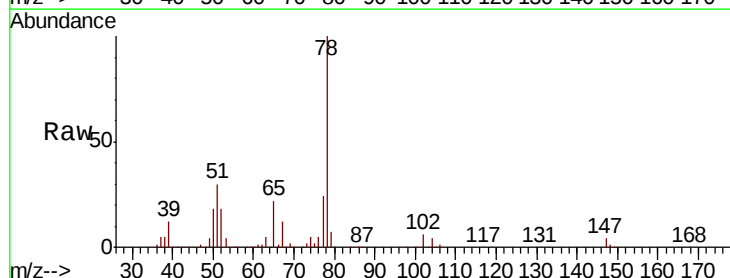
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

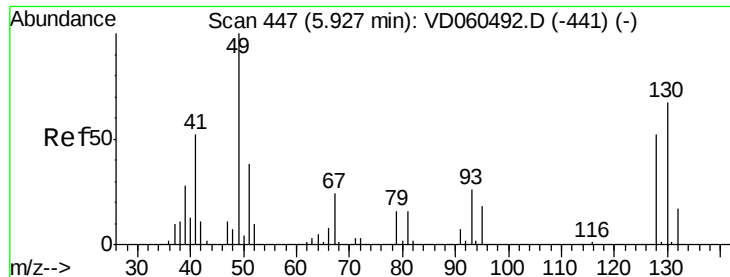
Tot Ion: 83 Resp: 1378864
Ion Ratio Lower Upper
83 100
55 87.4 69.8 104.8
98 47.7 38.4 57.6



#40
Benzene
Concen: 50.633 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.02 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 78 Resp: 3155475
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3





#41

Methacrylonitrile

Concen: 107.301 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 611713

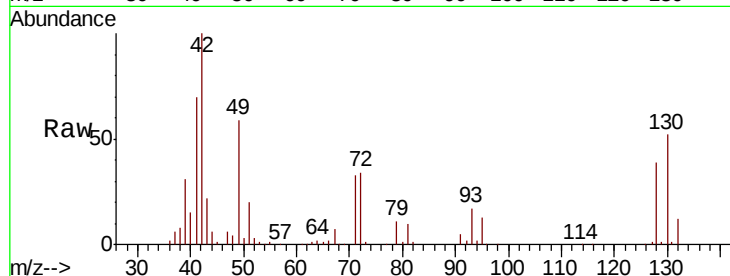
Ion Ratio Lower Upper

41 100

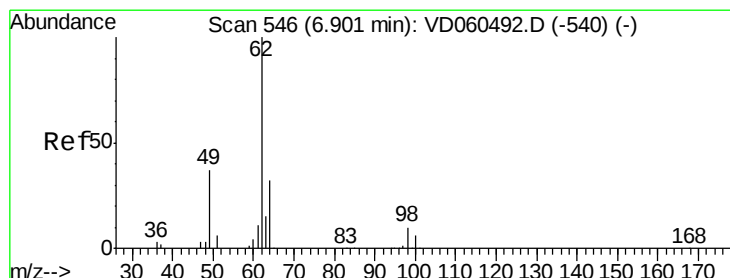
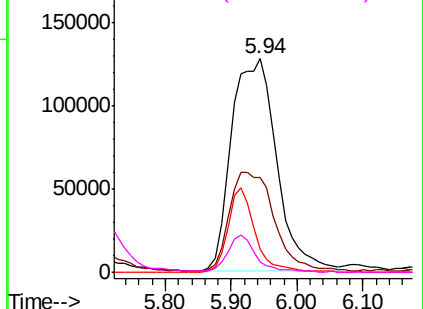
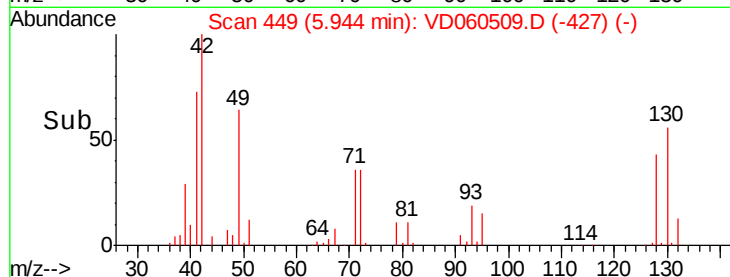
39 44.3 42.6 63.8

67 10.6 36.2 54.4#

52 4.6 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: 49.626 ug/l

RT: 6.89 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD060509.D

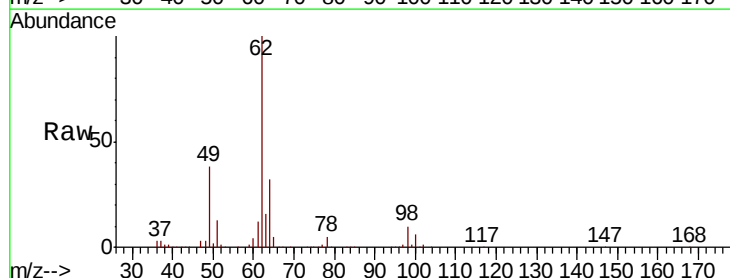
Acq: 7 Dec 2018 10:31

Tgt Ion: 62 Resp: 786358

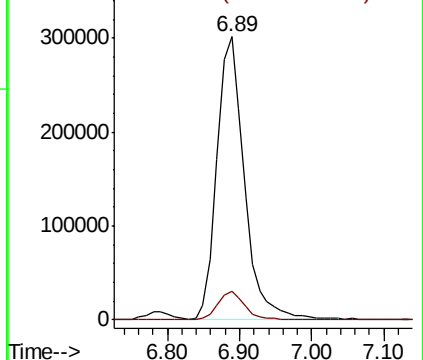
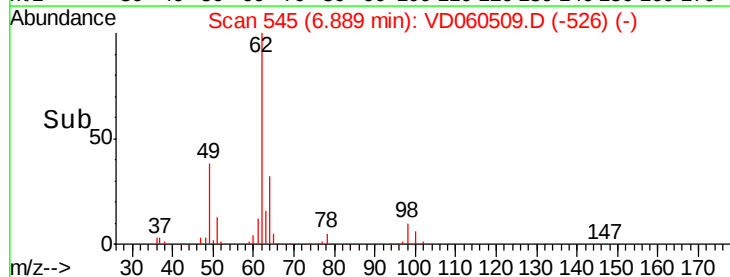
Ion Ratio Lower Upper

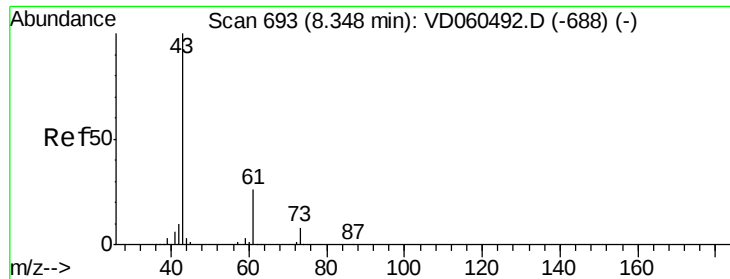
62 100

98 9.9 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: 52.111 ug/l

RT: 8.34 min Scan# 692

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

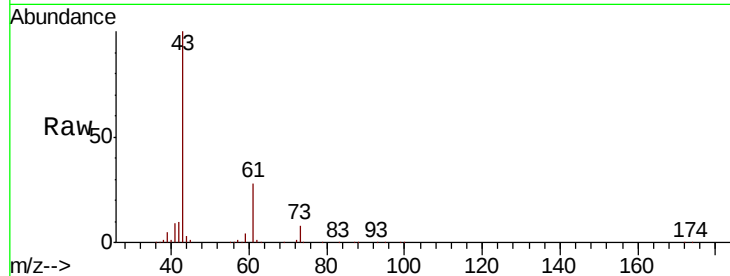
Tot Ion: 43 Resp: 680295

Ion Ratio Lower Upper

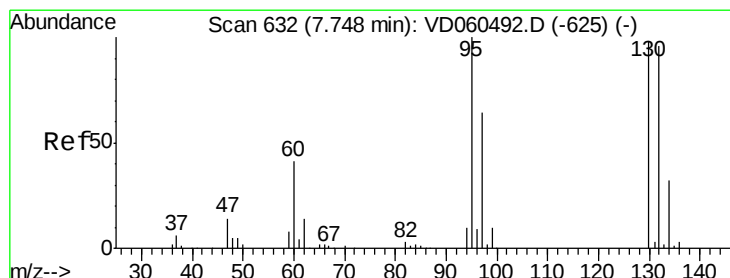
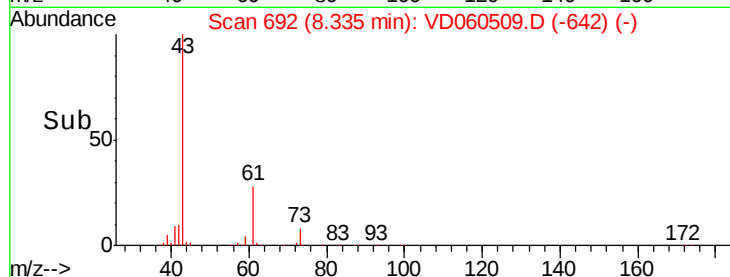
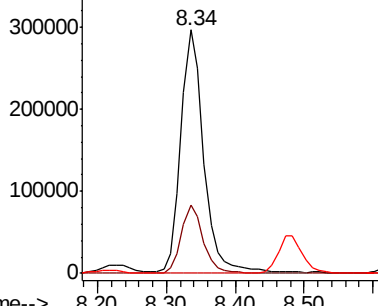
43 100

61 27.8 21.0 31.4

87 0.3 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.122 ug/l

RT: 7.73 min Scan# 630

Delta R.T. -0.02 min

Lab File: VD060509.D

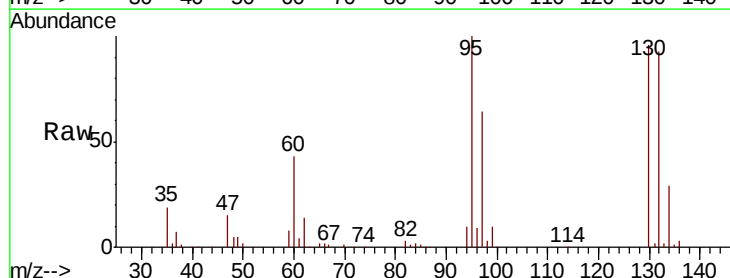
Acq: 7 Dec 2018 10:31

Tgt Ion:130 Resp: 952135

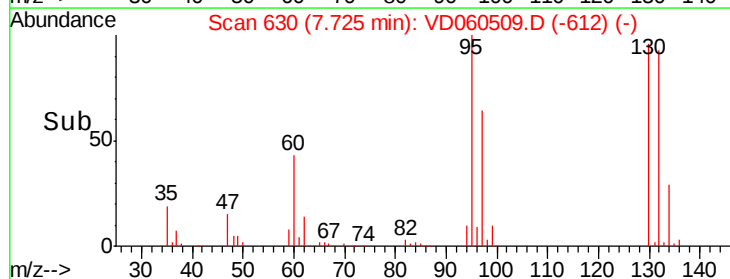
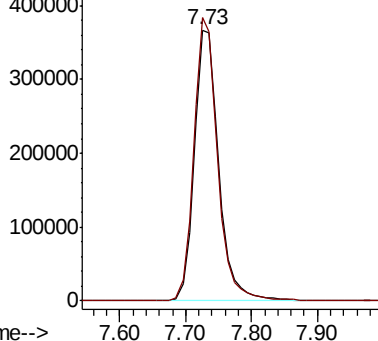
Ion Ratio Lower Upper

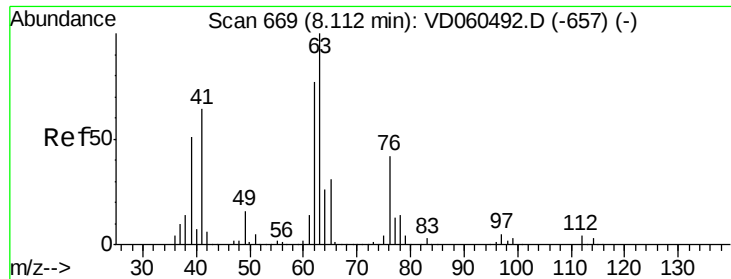
130 100

95 104.5 0.0 203.8



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

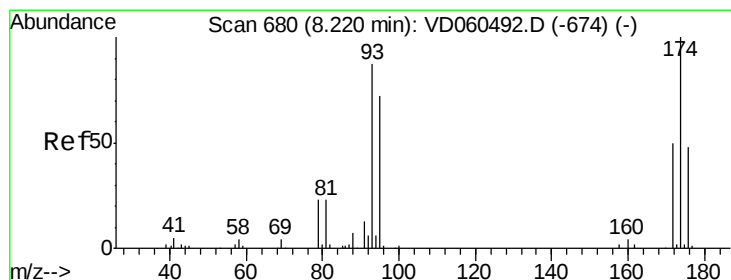
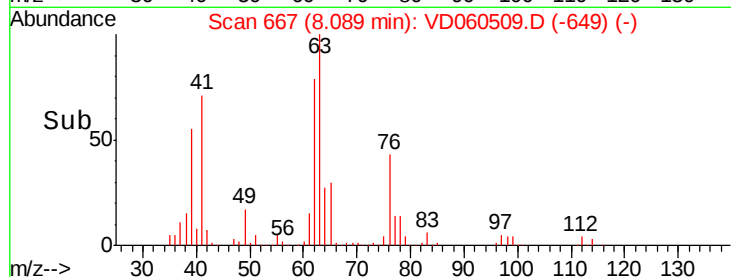
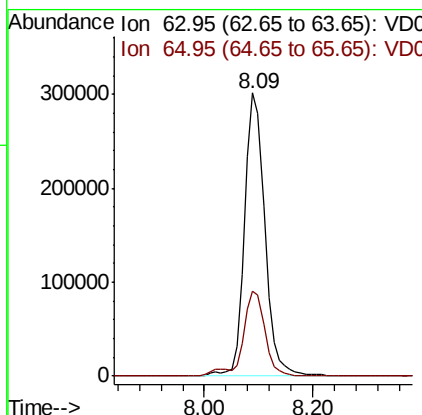
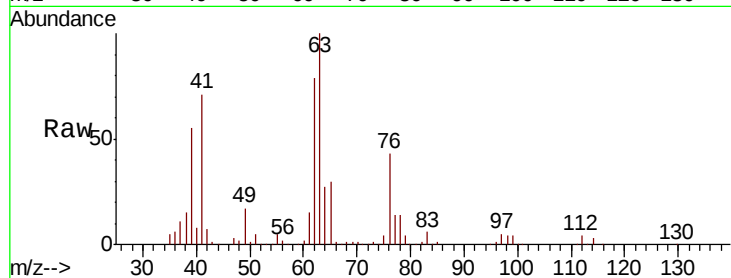




#45
 1,2-Dichloropropane
 Concen: 51.042 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

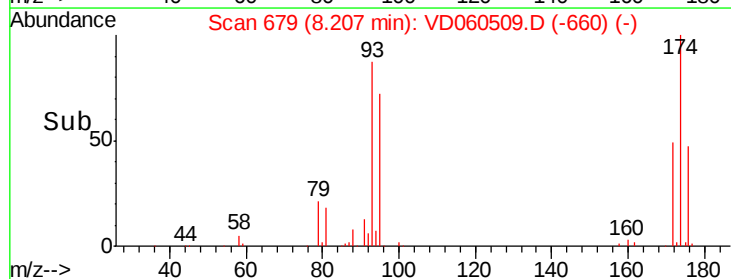
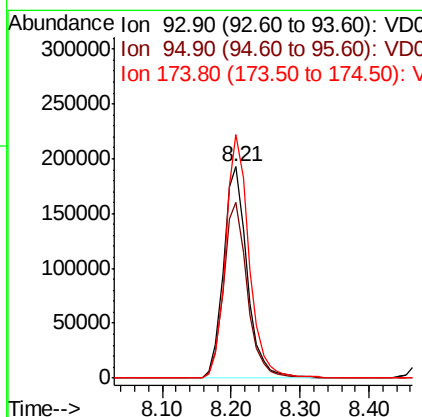
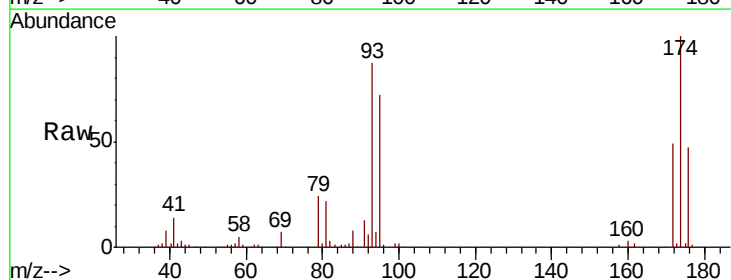
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

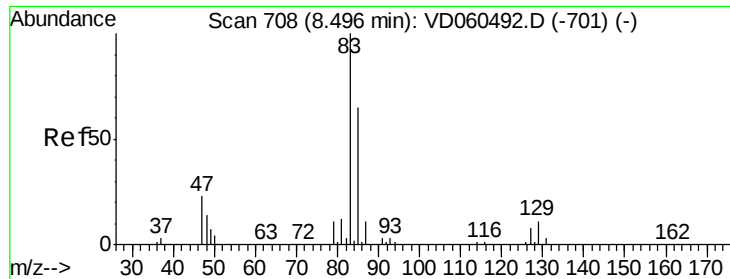
Tot Ion: 63 Resp: 786735
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0



#46
 Dibromomethane
 Concen: 51.327 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 93 Resp: 457093
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.6 98.4
 174 115.1 91.7 137.5





#47

Bromodichloromethane

Concen: 51.560 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

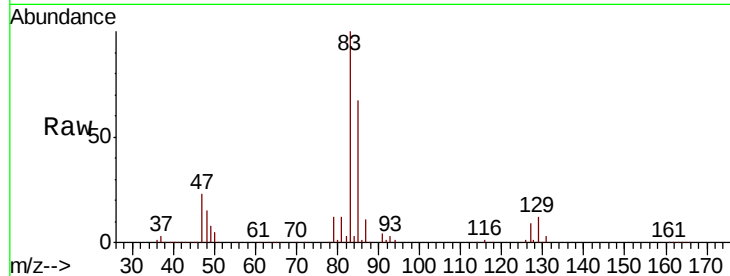
Tot Ion: 83 Resp: 1089490

Ion Ratio Lower Upper

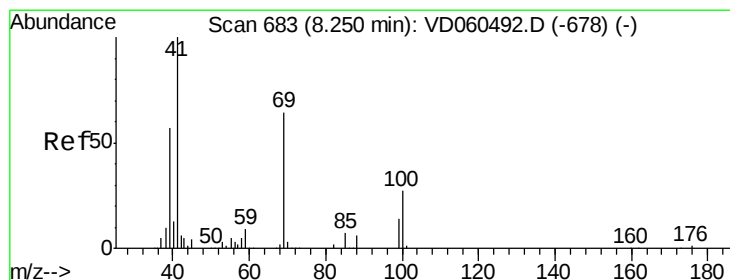
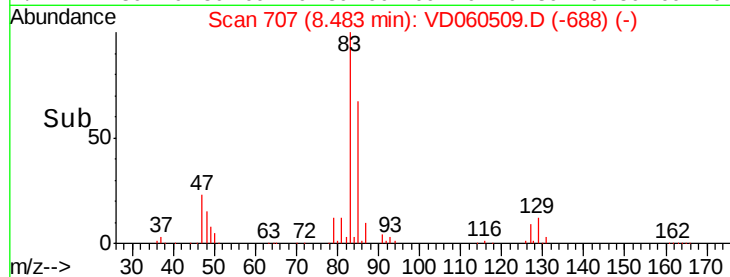
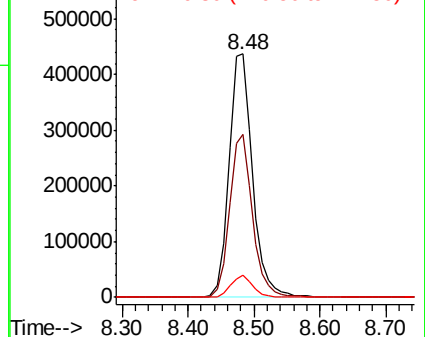
83 100

85 66.8 52.2 78.4

127 9.3 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: 54.536 ug/l

RT: 8.24 min Scan# 682

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

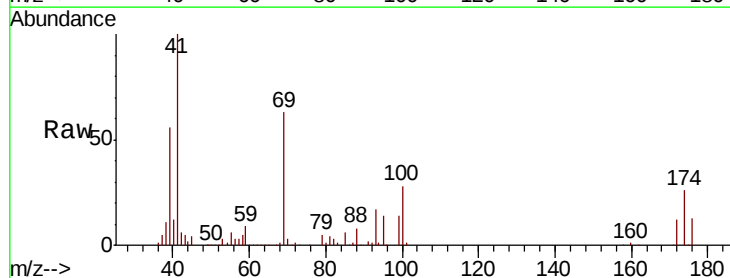
Tgt Ion: 41 Resp: 421262

Ion Ratio Lower Upper

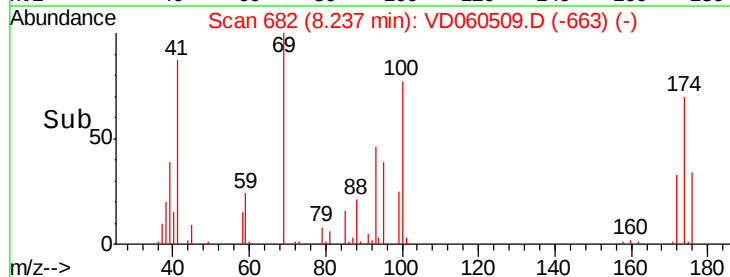
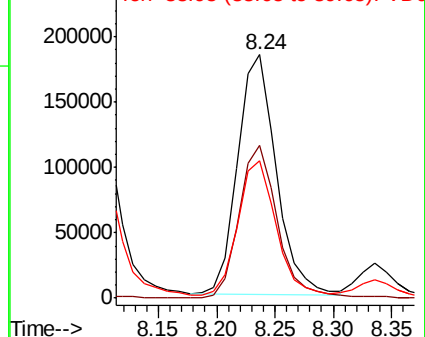
41 100

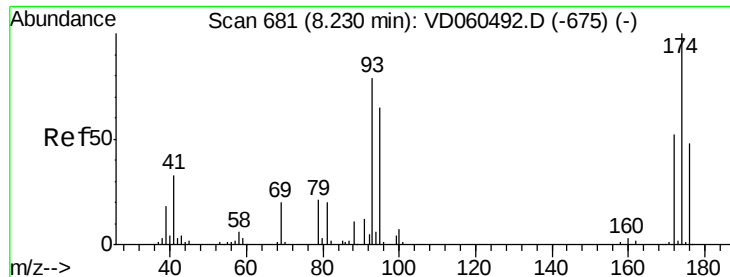
69 62.6 50.2 75.4

39 56.2 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

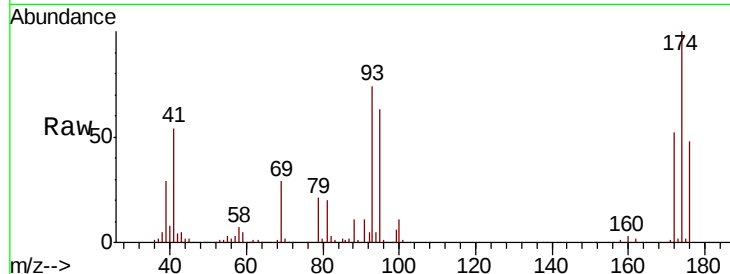




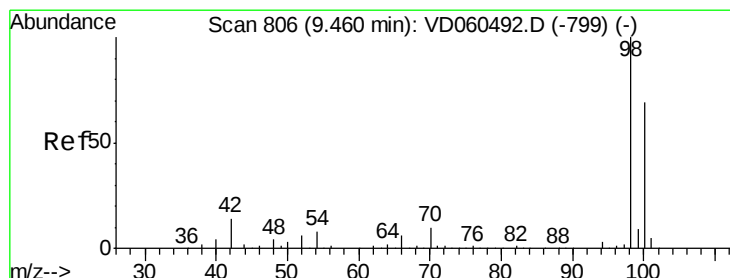
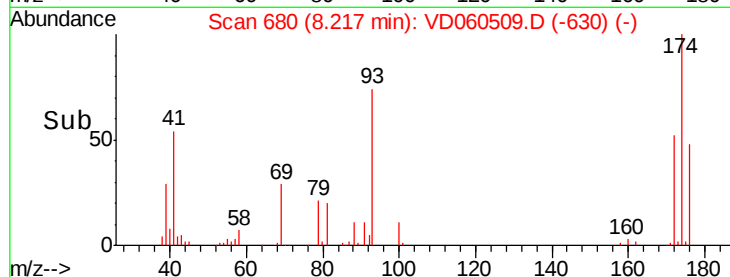
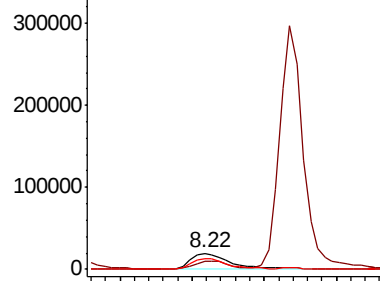
#49
1,4-Dioxane
Concen: 1075.671 ug/l
RT: 8.22 min Scan# 680
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 75306
Ion Ratio Lower Upper
88 100
43 49.1 32.9 49.3
58 67.2 47.7 71.5

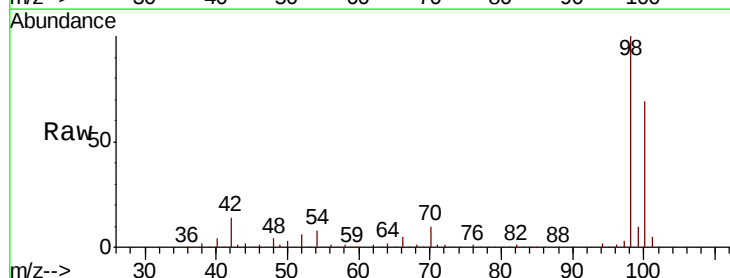


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

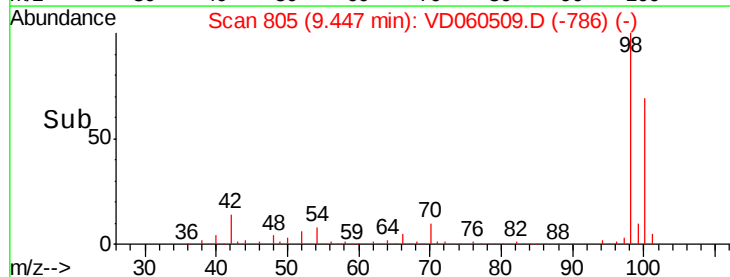
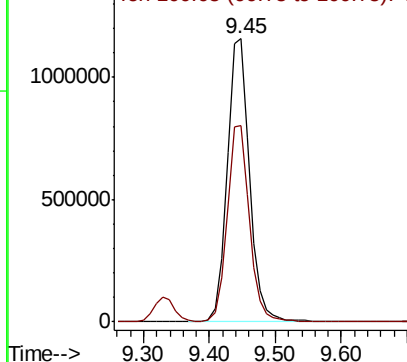


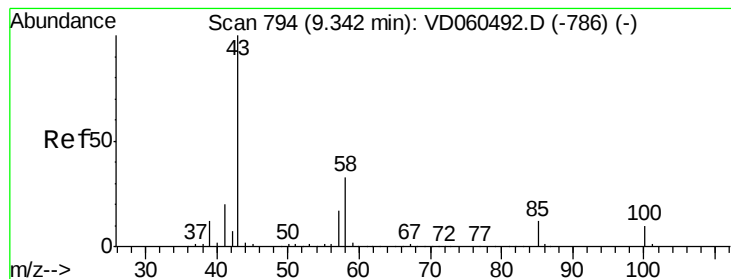
#50
Toluene-d8
Concen: 1075.671 ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 98 Resp: 2748346
Ion Ratio Lower Upper
98 100
100 69.2 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: 266.430 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

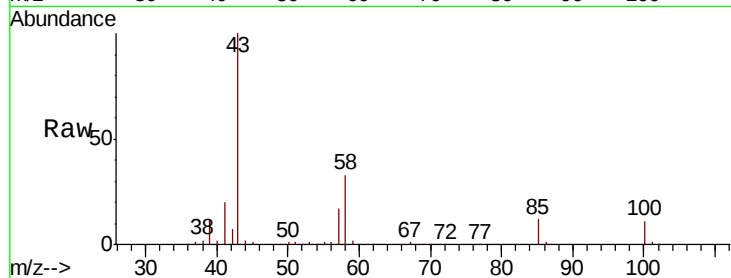
VSTDCCC050

Tot Ion: 43 Resp: 2163564

Ion Ratio Lower Upper

43 100

58 32.9 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

800000

600000

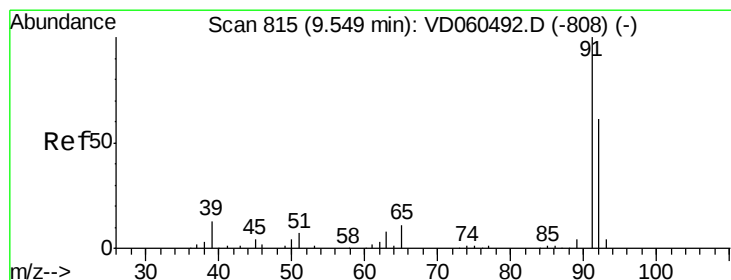
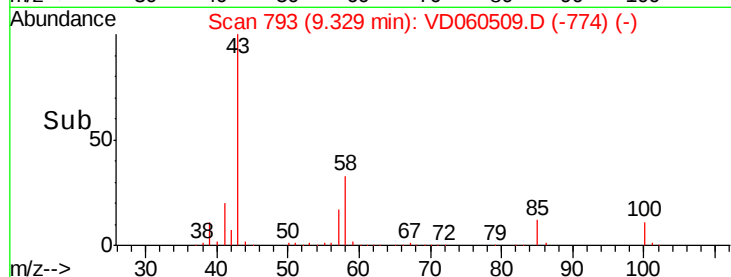
400000

200000

0

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 51.199 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.01 min

Lab File: VD060509.D

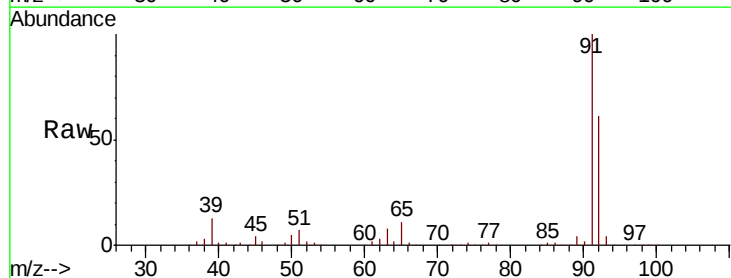
Acq: 7 Dec 2018 10:31

Tgt Ion: 92 Resp: 1994301

Ion Ratio Lower Upper

92 100

91 164.3 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

1500000

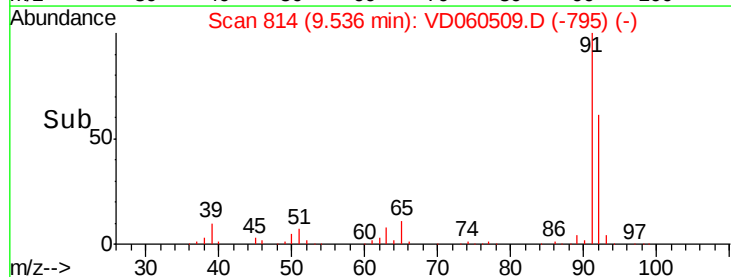
1000000

500000

0

9.40 9.50 9.60 9.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.243 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

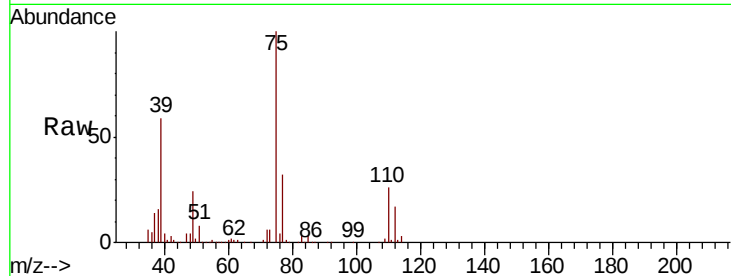
VSTDCCC050

Tot Ion: 75 Resp: 924446

Ion Ratio Lower Upper

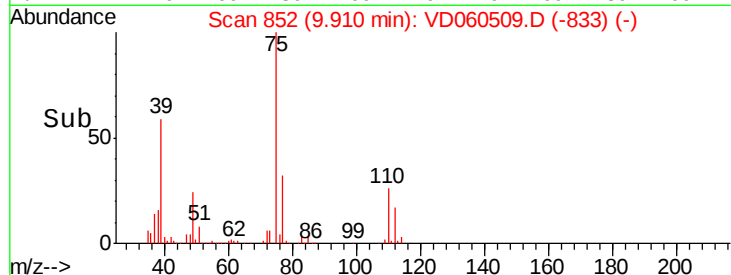
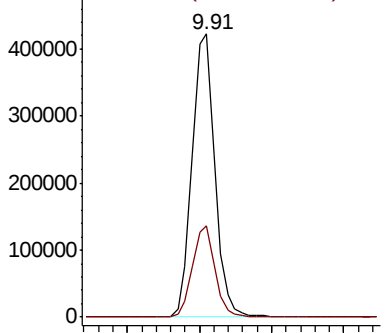
75 100

77 32.5 26.2 39.2

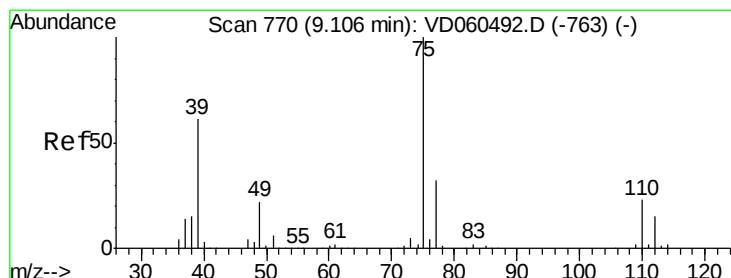


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.755 ug/l

RT: 9.09 min Scan# 769

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

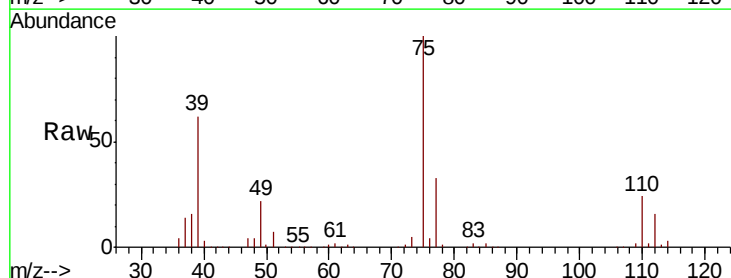
Tgt Ion: 75 Resp: 1180634

Ion Ratio Lower Upper

75 100

77 33.2 25.6 38.4

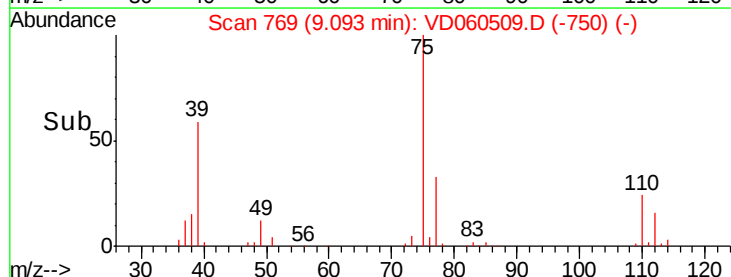
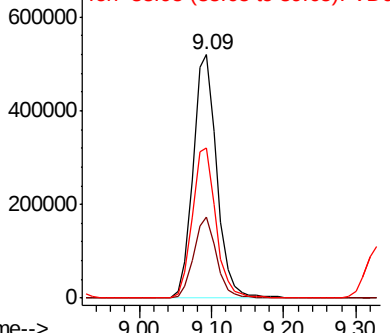
39 61.6 48.6 73.0



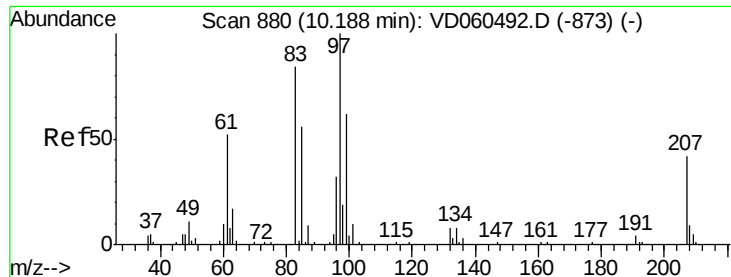
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



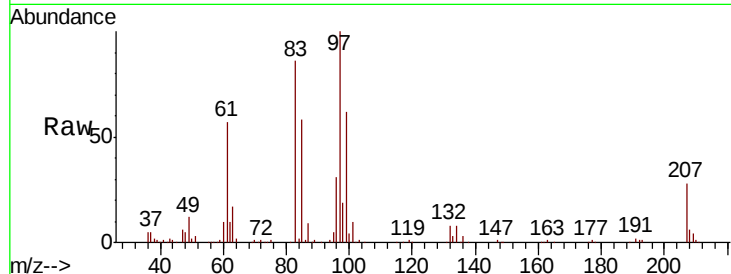
Time-->



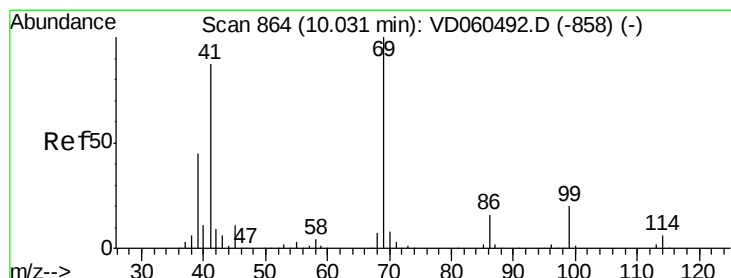
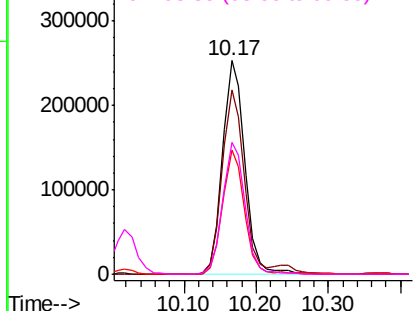
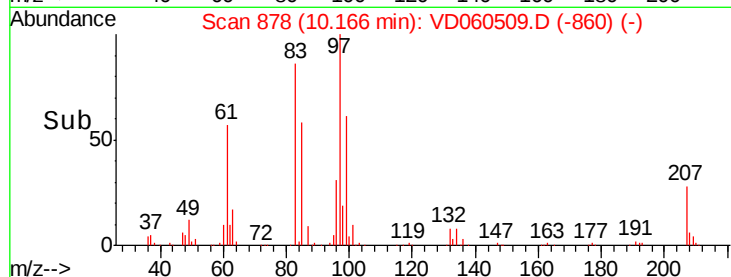
#55
 1,1,2-Trichloroethane
 Concen: 49.926 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 541572
 Ion Ratio Lower Upper
 97 100
 83 86.3 67.2 100.8
 85 58.0 44.5 66.7
 99 61.9 49.3 73.9

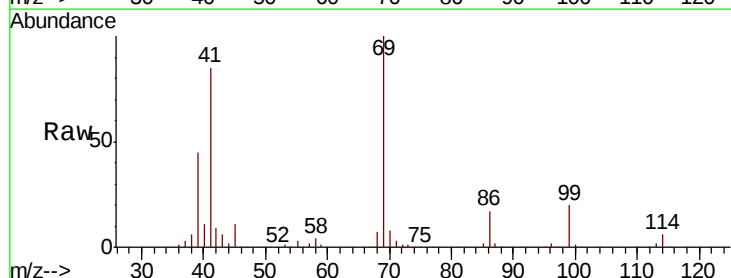


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

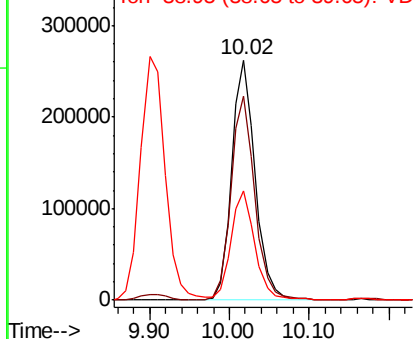
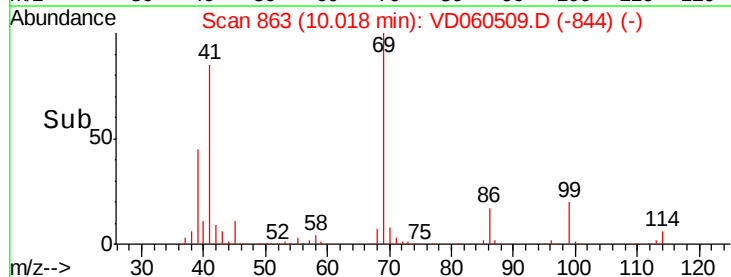


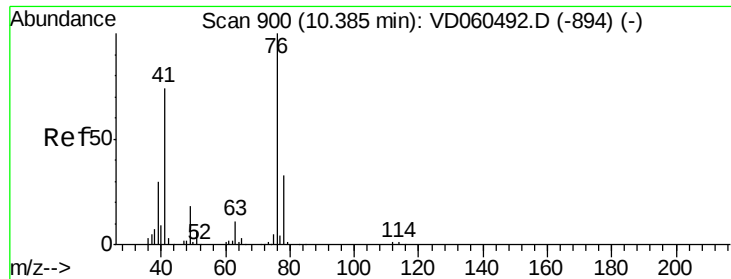
#56
 Ethyl methacrylate
 Concen: 54.901 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 69 Resp: 538970
 Ion Ratio Lower Upper
 69 100
 41 84.8 69.8 104.8
 39 45.3 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: 51.344 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

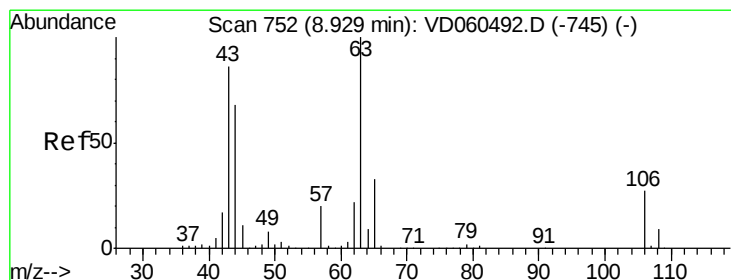
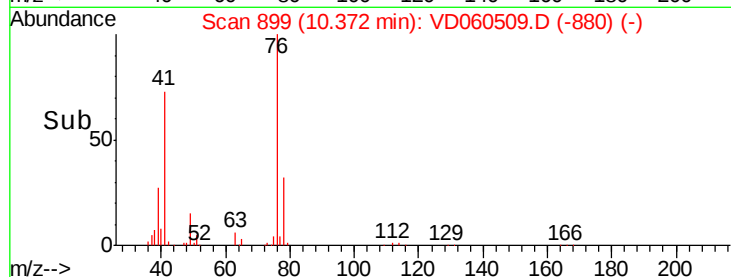
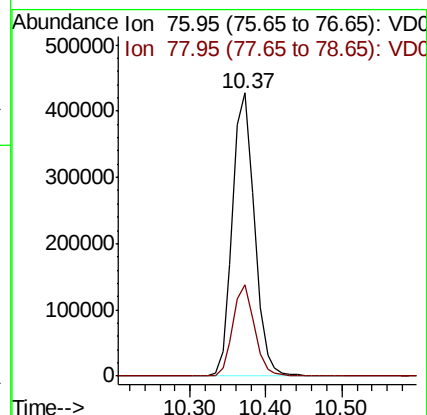
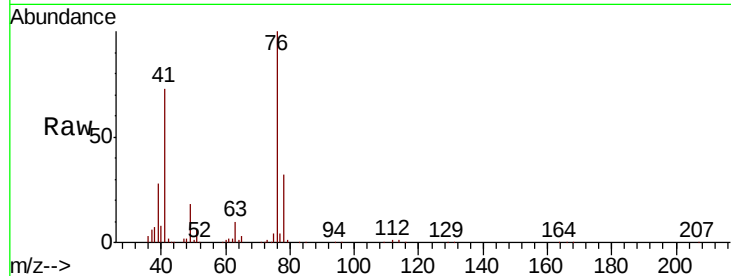
VSTDCCC050

Tot Ion: 76 Resp: 860969

Ion Ratio Lower Upper

76 100

78 32.3 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 247.551 ug/l

RT: 8.91 min Scan# 750

Delta R.T. -0.02 min

Lab File: VD060509.D

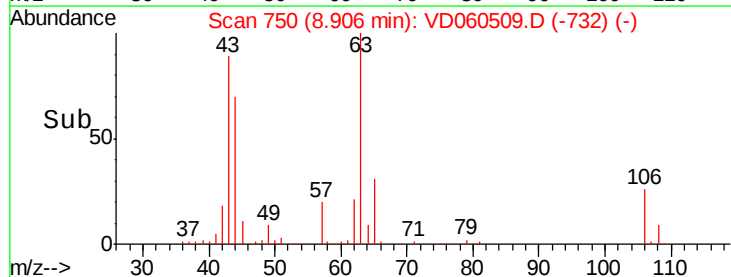
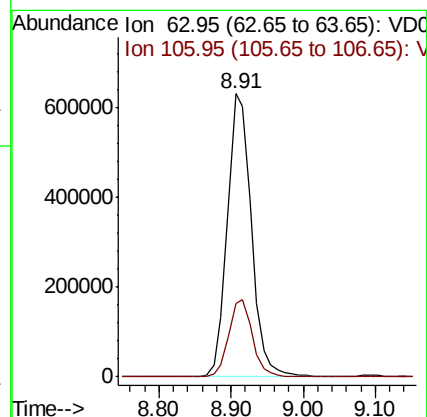
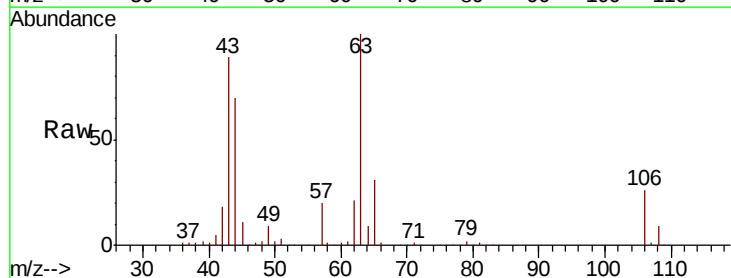
Acq: 7 Dec 2018 10:31

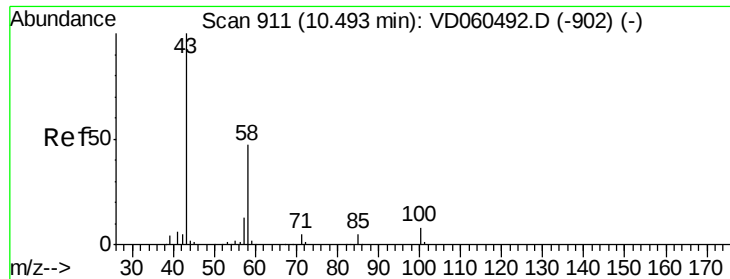
Tgt Ion: 63 Resp: 1454133

Ion Ratio Lower Upper

63 100

106 26.0 21.6 32.4

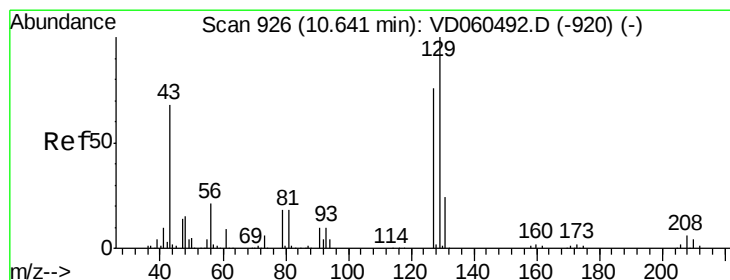
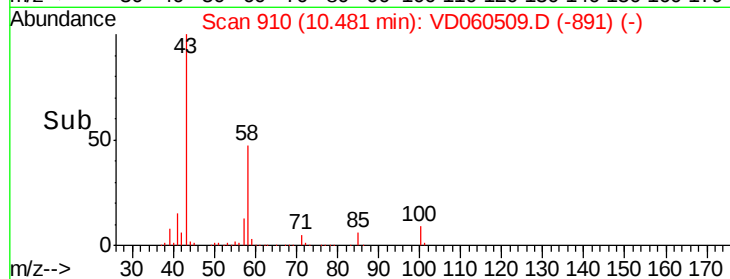
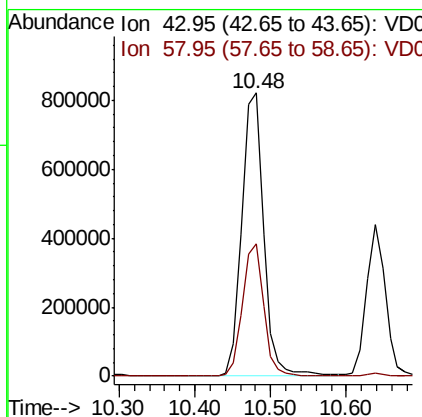
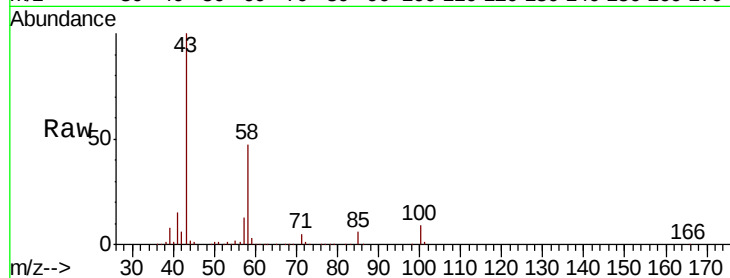




#59
2-Hexanone
Concen: 289.128 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

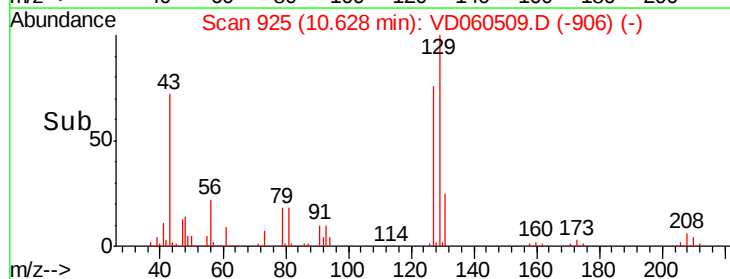
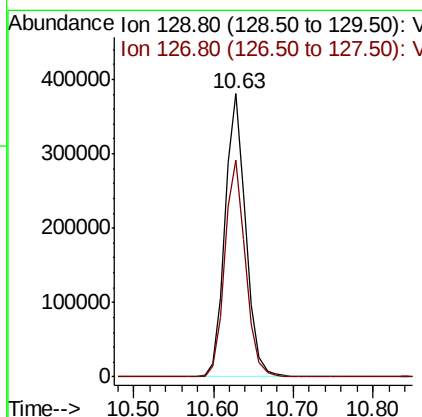
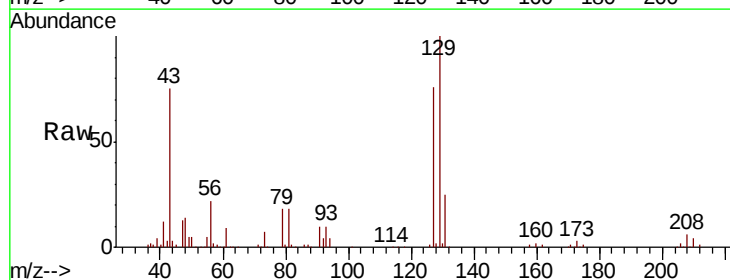
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

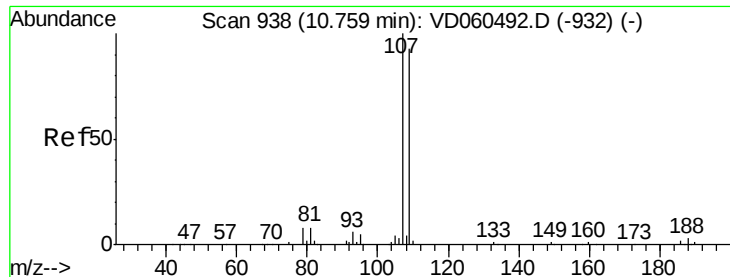
Tot Ion: 43 Resp: 1641120
Ion Ratio Lower Upper
43 100
58 46.6 23.4 70.2



#60
Dibromochloromethane
Concen: 51.566 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion:129 Resp: 699352
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 51.106 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

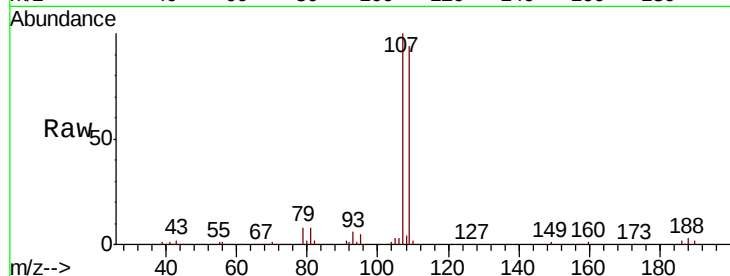
VSTDCCC050

Tot Ion:107 Resp: 564956

Ion Ratio Lower Upper

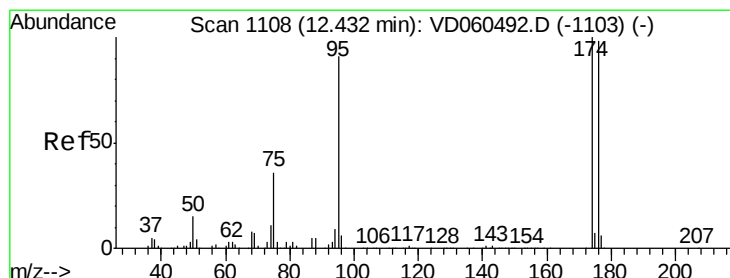
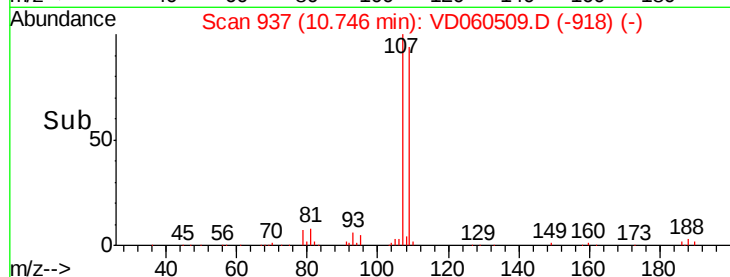
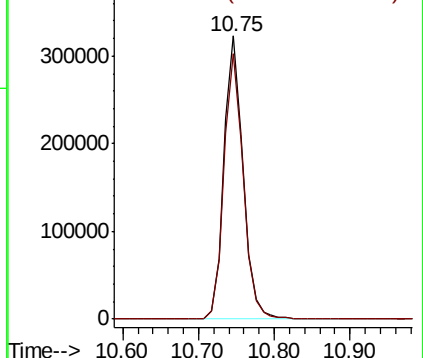
107 100

109 94.0 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: 51.106 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

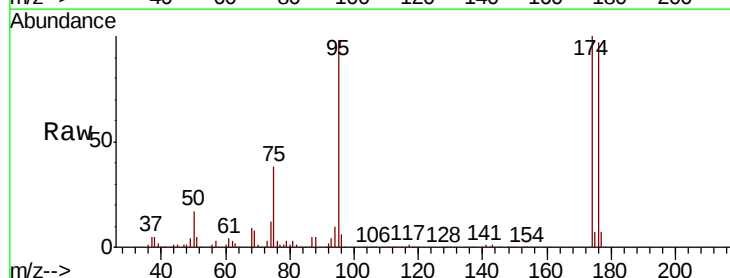
Tgt Ion: 95 Resp: 970600

Ion Ratio Lower Upper

95 100

174 102.5 0.0 219.4

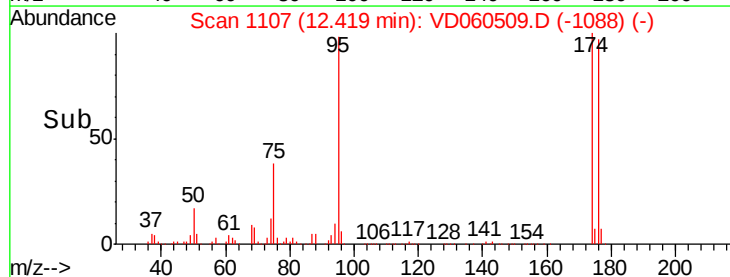
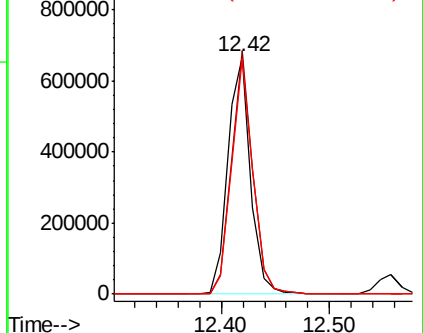
176 99.5 0.0 214.6

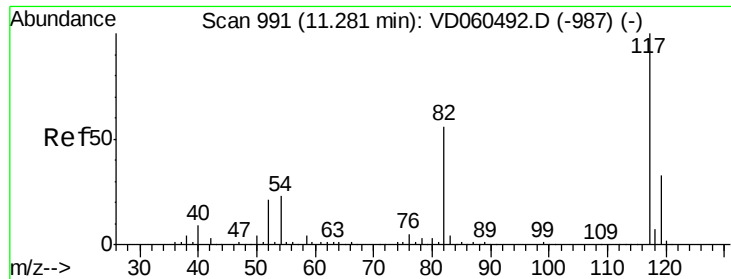


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

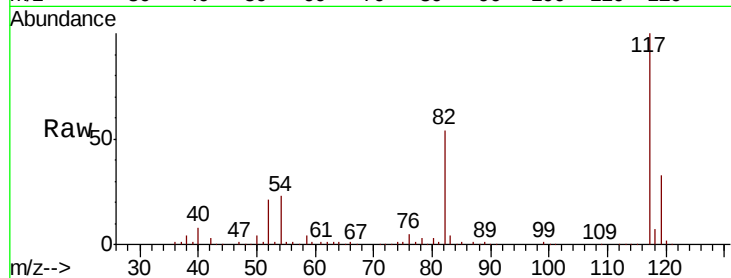




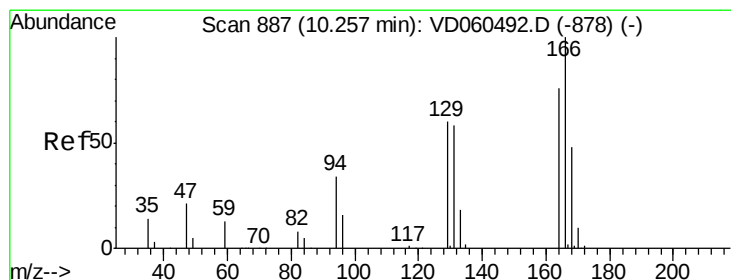
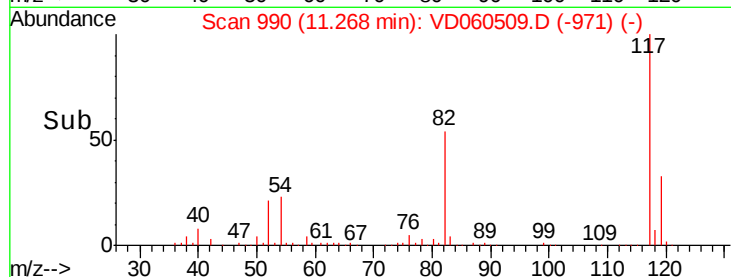
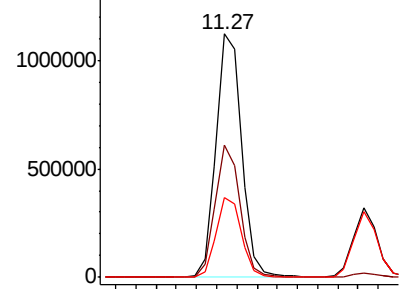
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1969520
Ion Ratio Lower Upper
117 100
82 54.4 45.2 67.8
119 32.7 26.1 39.1

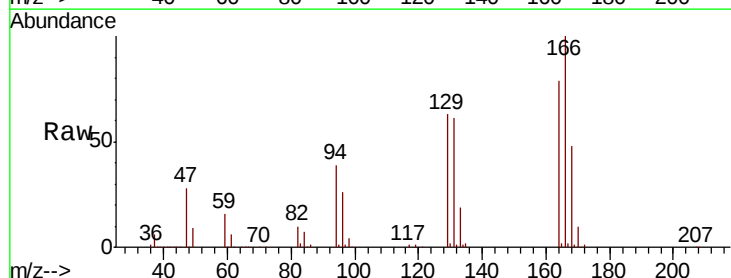


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

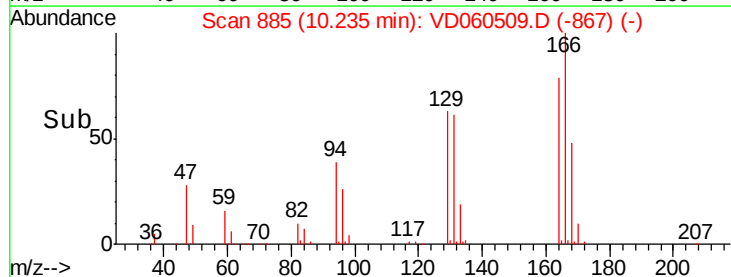
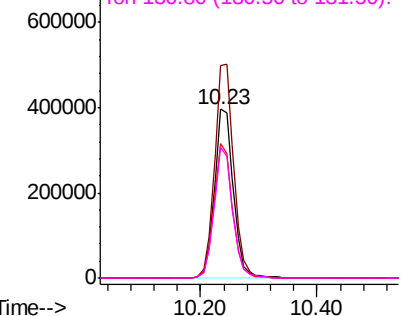


#64
Tetrachloroethene
Concen: 50.658 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.02 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion:164 Resp: 883455
Ion Ratio Lower Upper
164 100
166 126.3 105.0 157.6
129 79.9 63.0 94.4
131 77.5 60.6 90.8



Abundance Ion 163.85 (163.55 to 164.55): V
800000 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: 50.919 ug/l

RT: 11.31 min Scan# 994

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

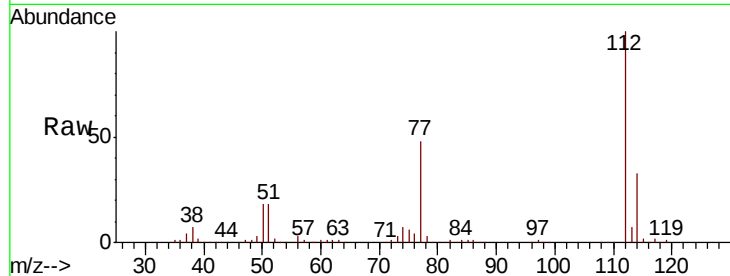
VSTDCCC050

Tot Ion:112 Resp: 2121615

Ion Ratio Lower Upper

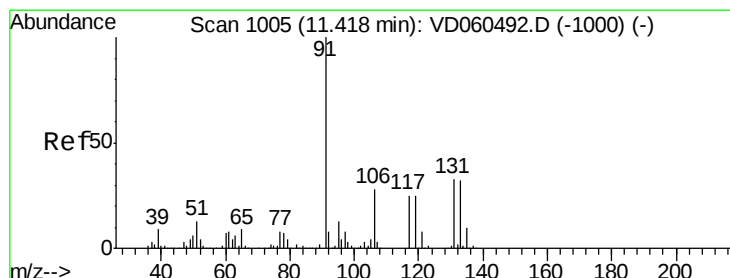
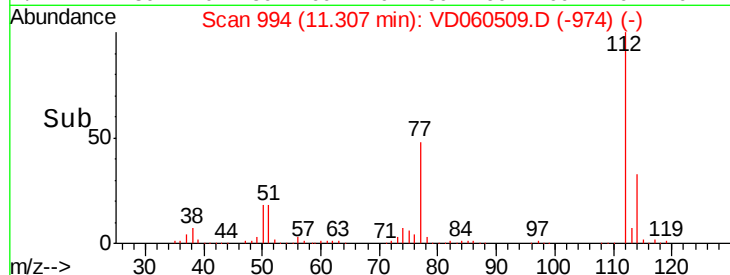
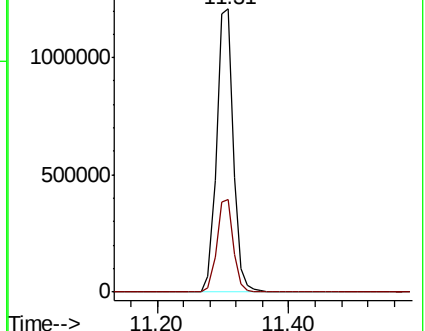
112 100

114 32.9 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: 51.787 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

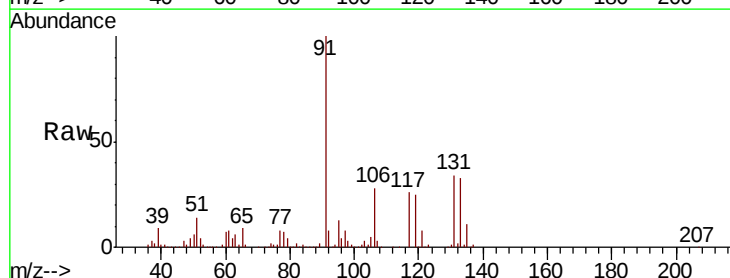
Tgt Ion:131 Resp: 695483

Ion Ratio Lower Upper

131 100

133 96.1 49.1 147.3

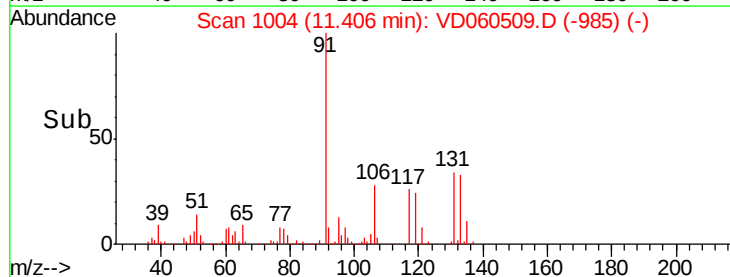
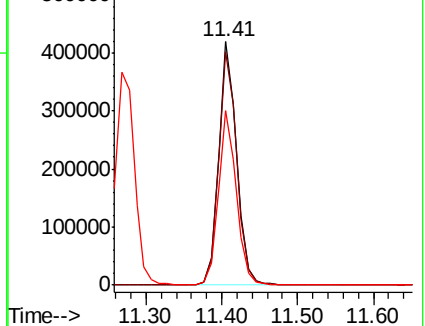
119 71.9 37.5 112.3



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

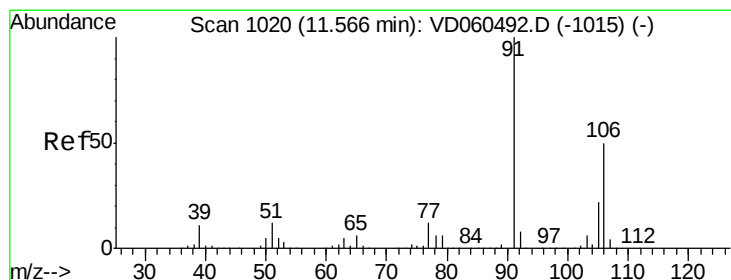
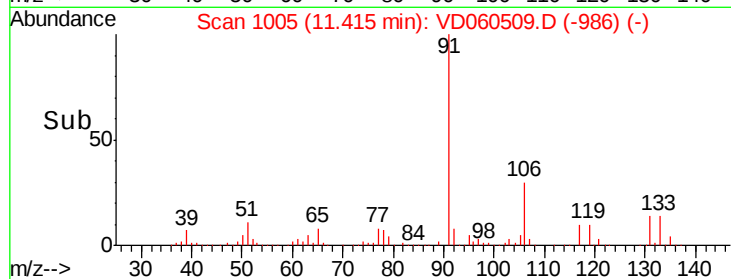
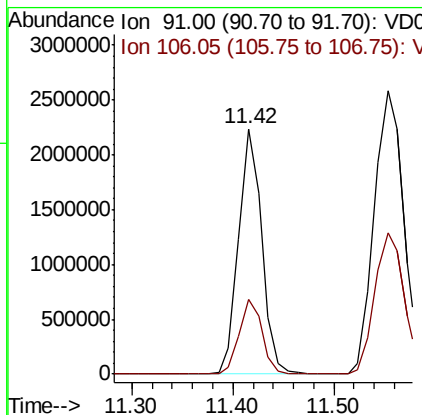
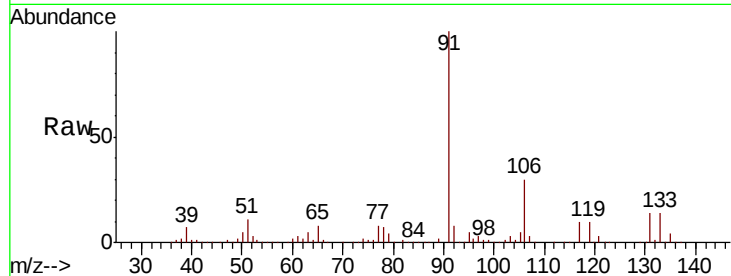




#67
Ethyl Benzene
Concen: 50.354 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

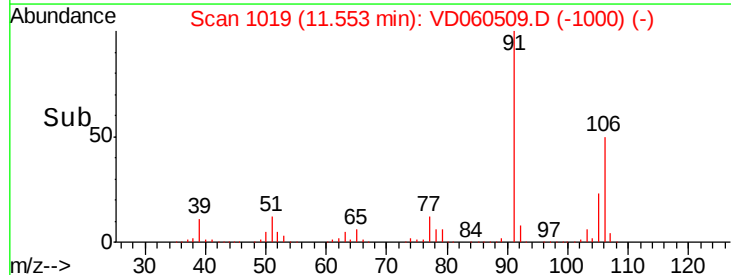
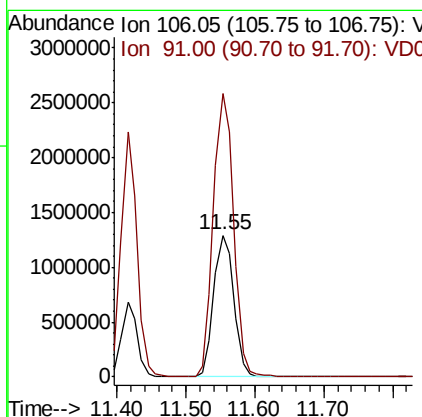
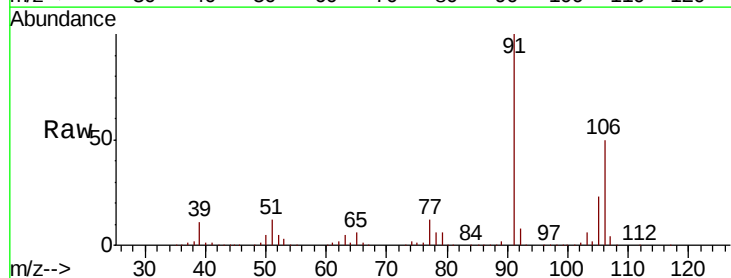
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

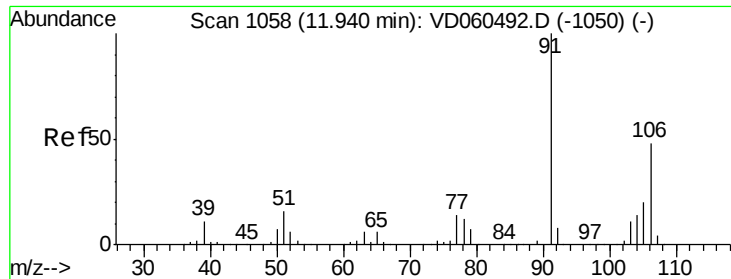
Tot Ion: 91 Resp: 3578686
Ion Ratio Lower Upper
91 100
106 30.3 24.6 37.0



#68
m/p-Xylenes
Concen: 99.792 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 106 Resp: 2623815
Ion Ratio Lower Upper
106 100
91 199.5 160.5 240.7

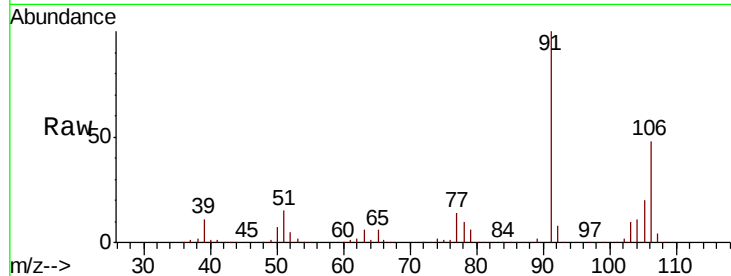




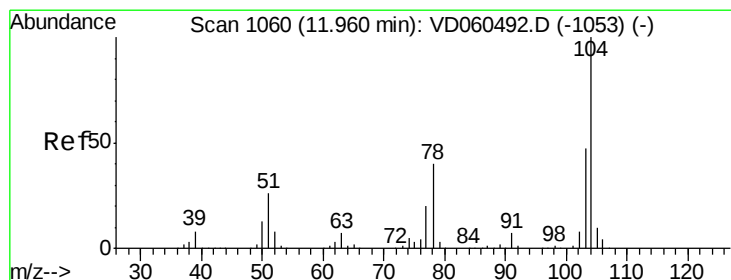
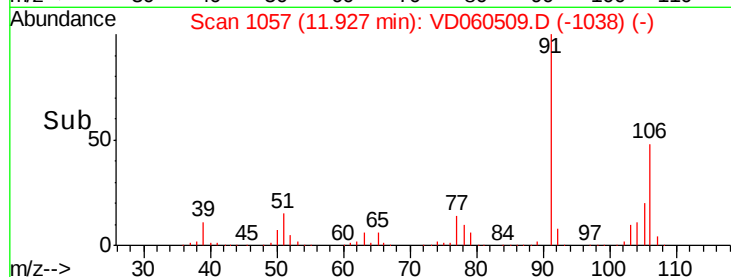
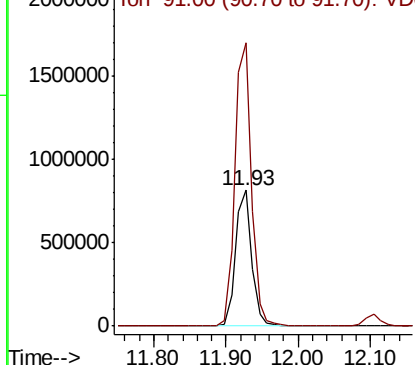
#69
o-Xylene
Concen: 50.799 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1272892
Ion Ratio Lower Upper
106 100
91 208.0 103.4 310.1

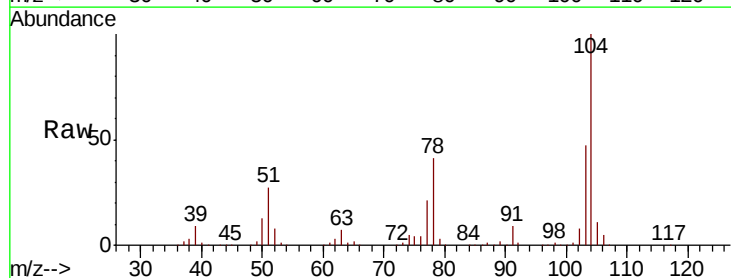


Abundance Ion 106.05 (105.75 to 106.75): V
2000000 Ion 91.00 (90.70 to 91.70): VDC

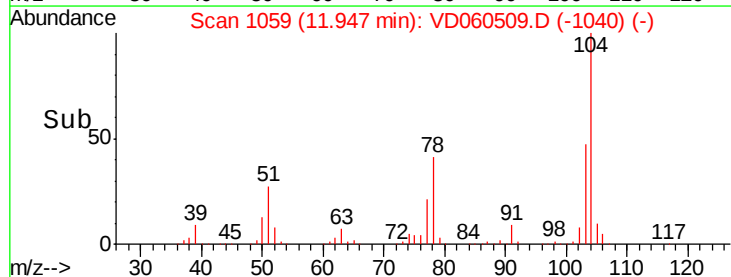
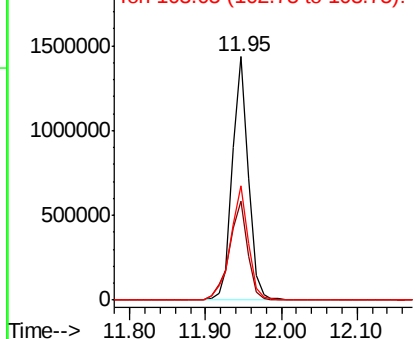


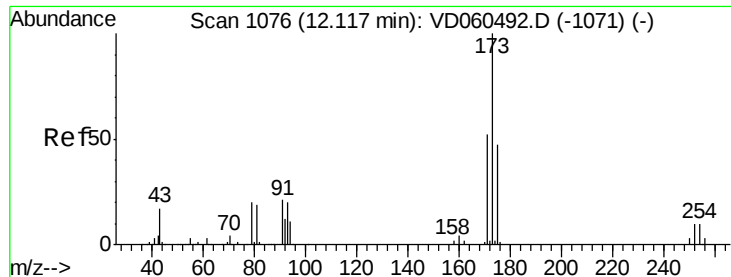
#70
Styrene
Concen: 51.235 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion:104 Resp: 2060673
Ion Ratio Lower Upper
104 100
78 40.5 32.1 48.1
103 47.1 37.2 55.8



Abundance Ion 104.05 (103.75 to 104.75): V
2000000 Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 53.439 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

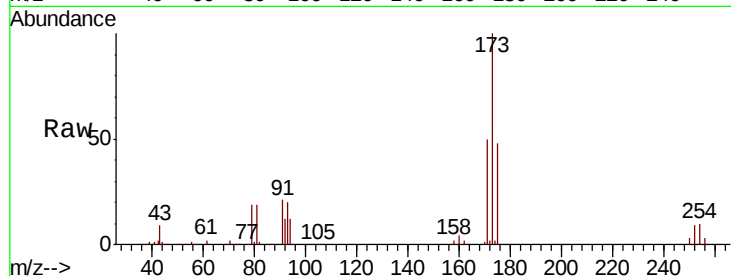
Tot Ion:173 Resp: 478802

Ion Ratio Lower Upper

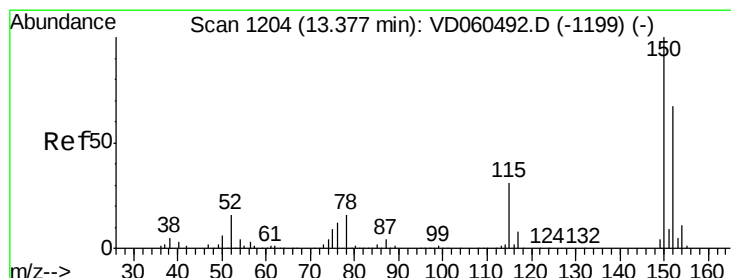
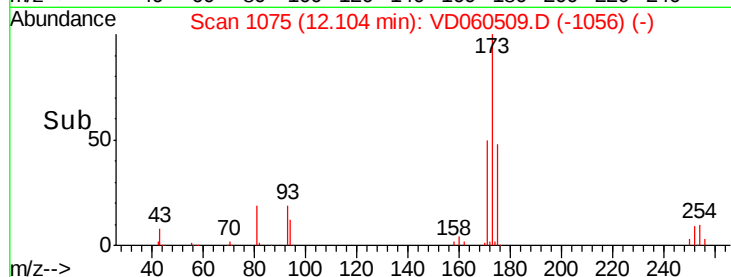
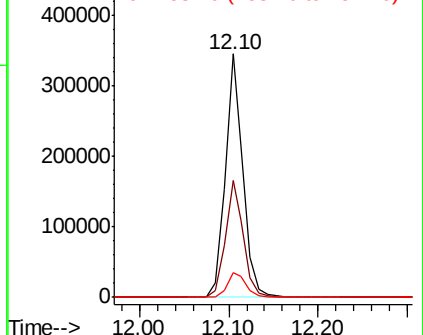
173 100

175 48.2 23.5 70.6

254 9.9 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: 13.36 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

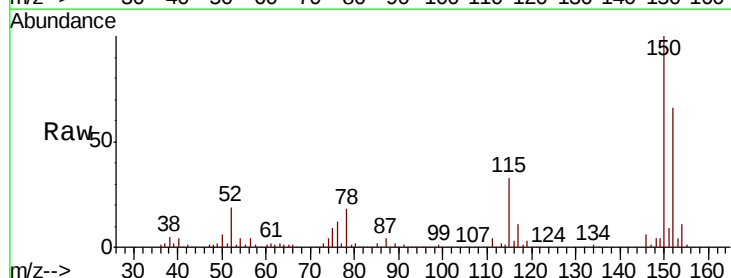
Tgt Ion:152 Resp: 1015385

Ion Ratio Lower Upper

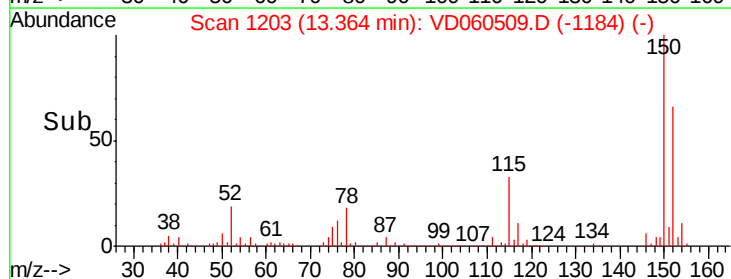
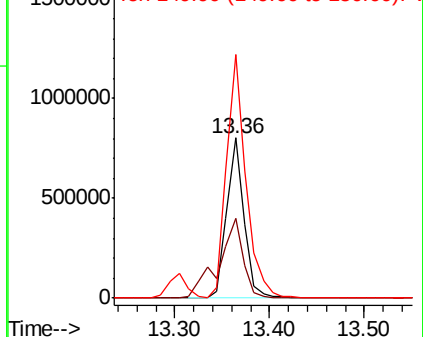
152 100

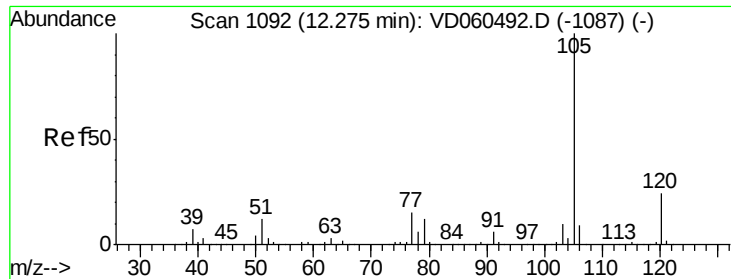
115 50.0 24.6 74.0

150 152.3 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: 48.698 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

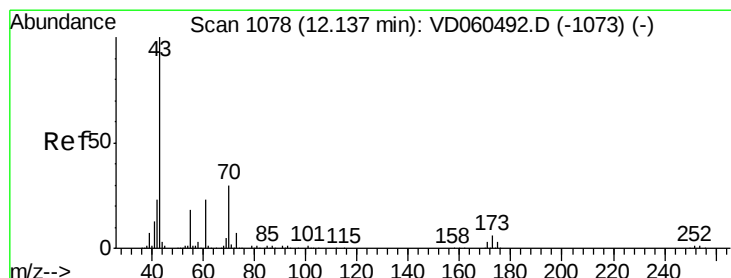
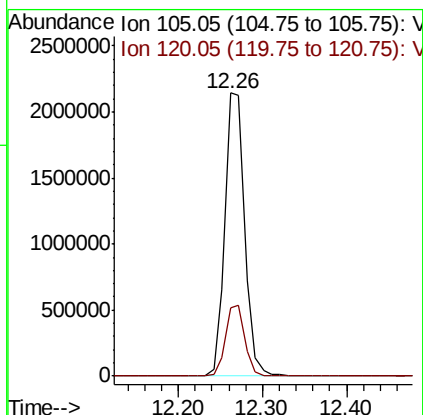
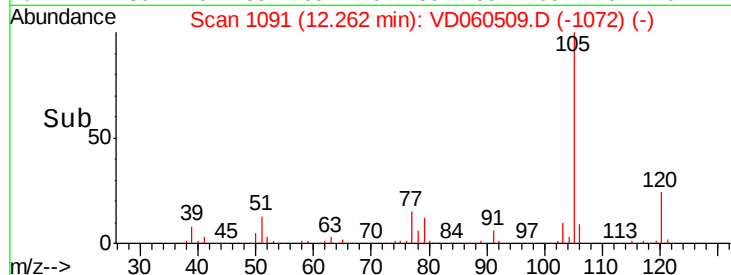
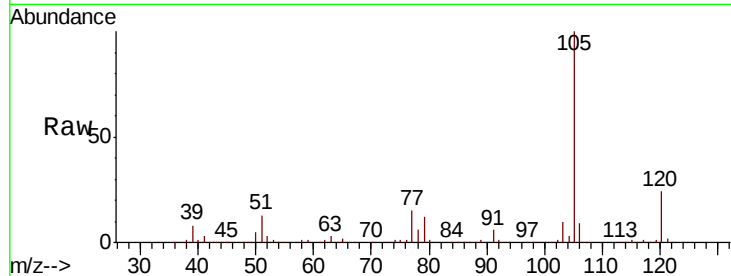
VSTDCCC050

Tot Ion:105 Resp: 3499060

Ion Ratio Lower Upper

105 100

120 24.3 11.9 35.9



#74

N-ethyl acetate

Concen: 50.763 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Tgt Ion: 43 Resp: 881525

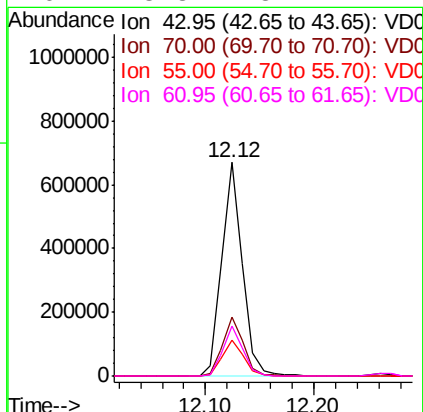
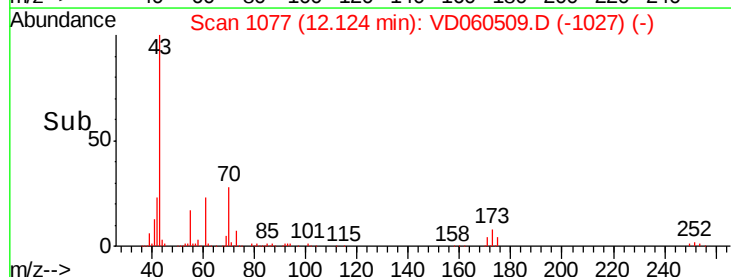
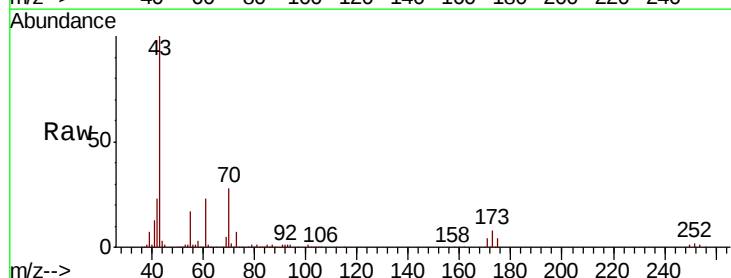
Ion Ratio Lower Upper

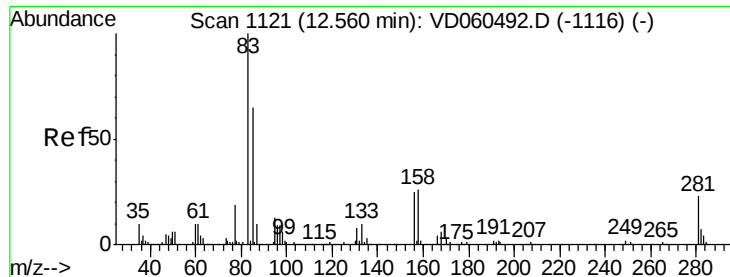
43 100

70 27.8 23.8 35.8

55 16.8 14.2 21.2

61 23.3 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.286 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

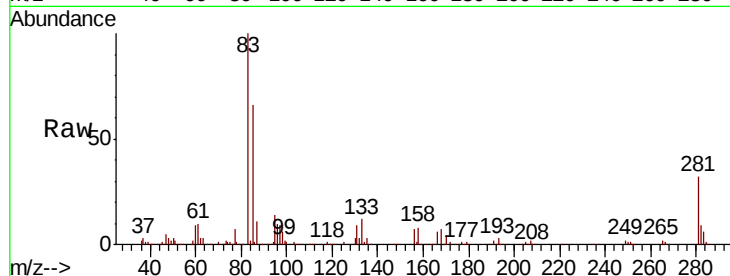
Tot Ion: 83 Resp: 578445

Ion Ratio Lower Upper

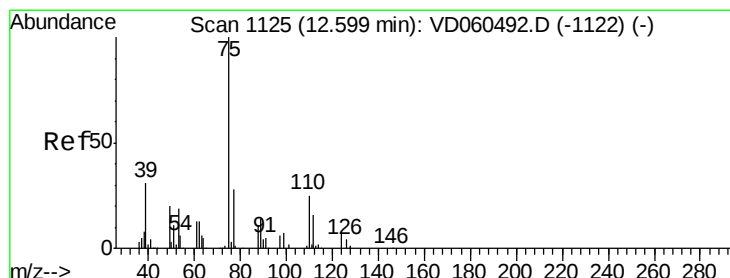
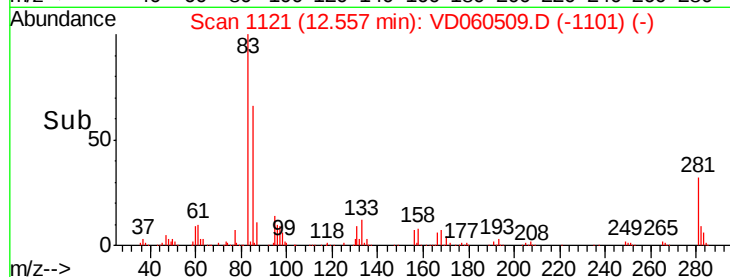
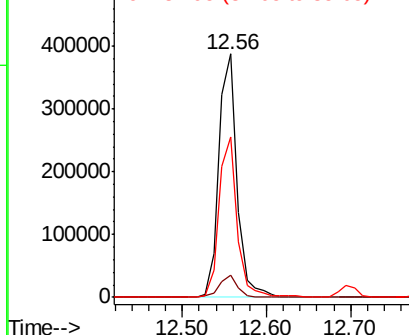
83 100

131 9.3 3.8 11.4

85 65.7 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: 49.349 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD060509.D

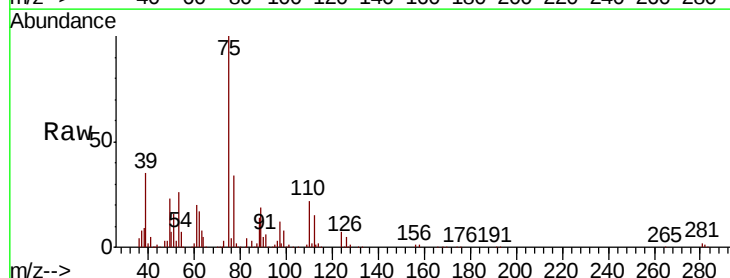
Acq: 7 Dec 2018 10:31

Tgt Ion: 75 Resp: 567757

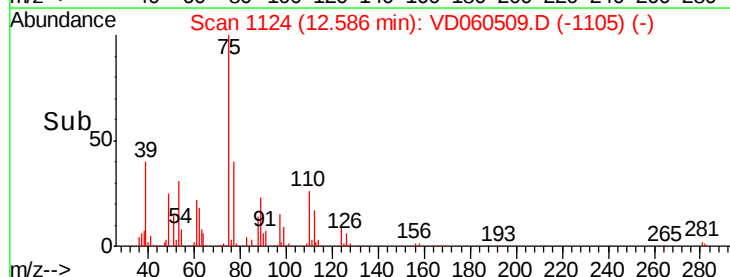
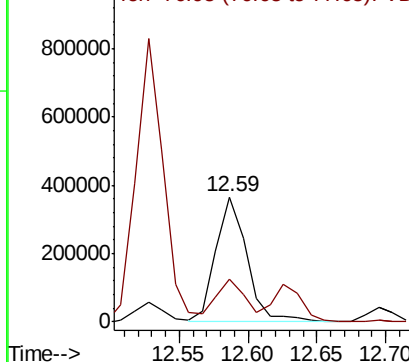
Ion Ratio Lower Upper

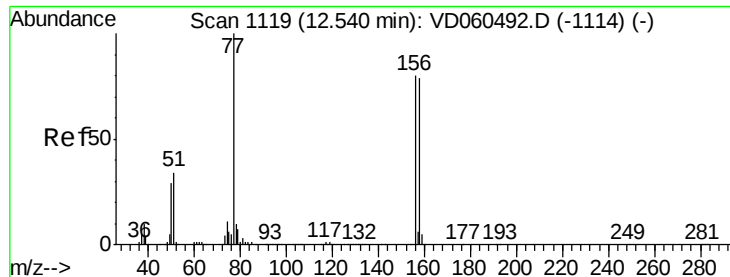
75 100

77 34.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

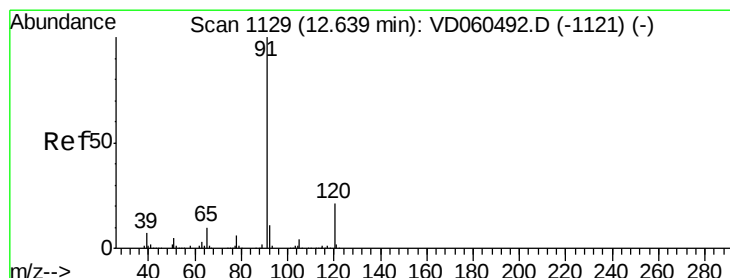
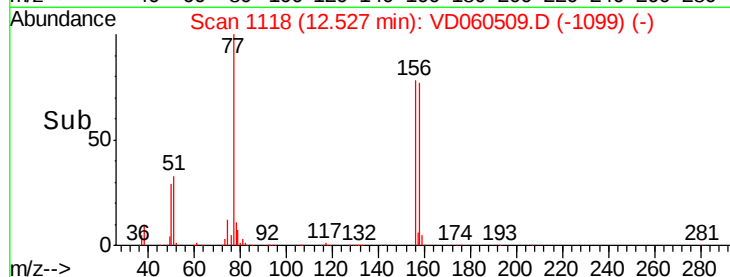
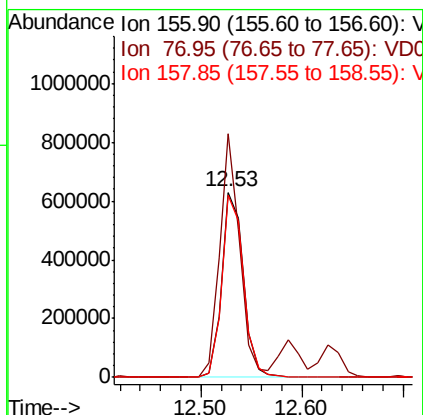
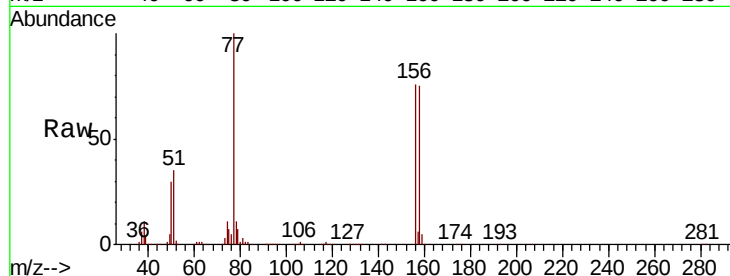




#77
Bromobenzene
Concen: 50.067 ug/l
RT: 12.53 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

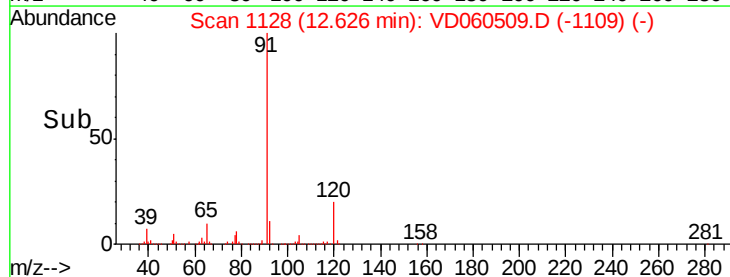
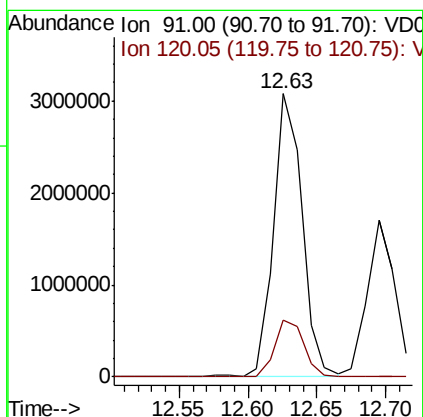
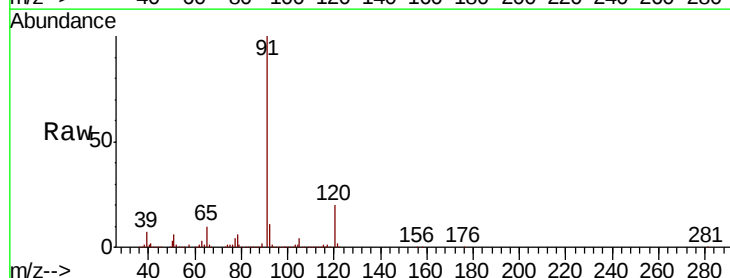
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

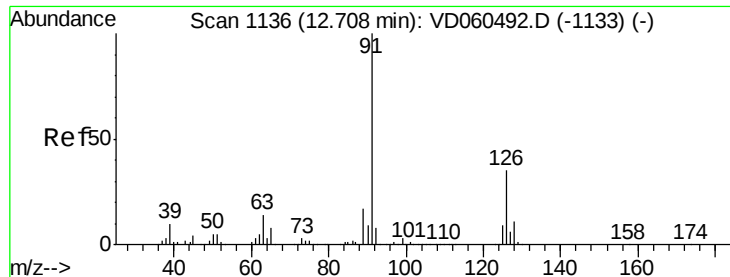
Tot Ion:156 Resp: 945606
Ion Ratio Lower Upper
156 100
77 131.4 62.5 187.6
158 98.6 49.4 148.2



#78
n-propylbenzene
Concen: 48.729 ug/l
RT: 12.63 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 91 Resp: 4425922
Ion Ratio Lower Upper
91 100
120 20.0 10.4 31.1





#79

2-Chlorotoluene

Concen: 48.584 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

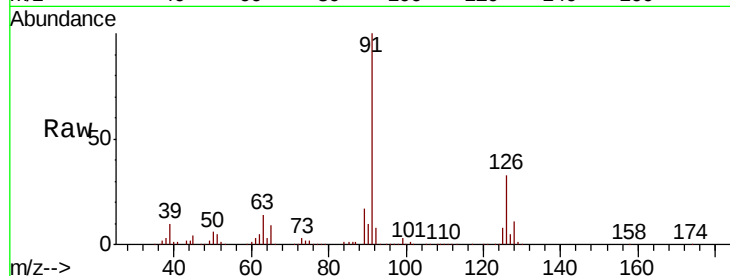
VSTDCCC050

Tot Ion: 91 Resp: 2394521

Ion Ratio Lower Upper

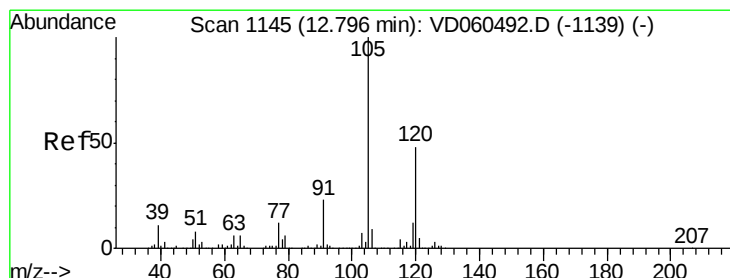
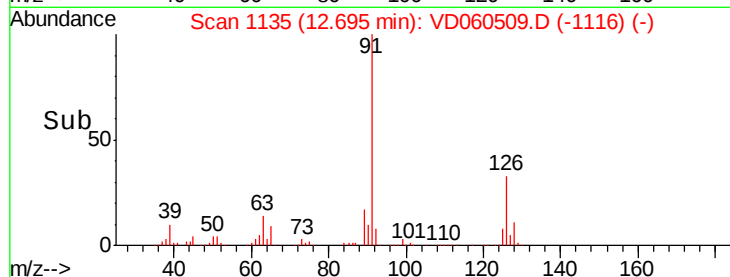
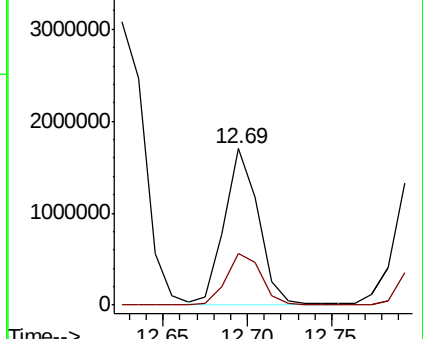
91 100

126 33.2 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: 49.275 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060509.D

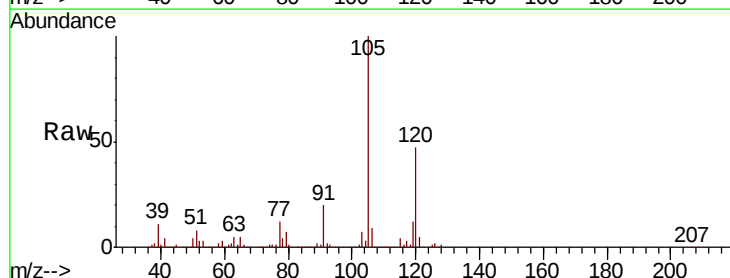
Acq: 7 Dec 2018 10:31

Tgt Ion:105 Resp: 2705372

Ion Ratio Lower Upper

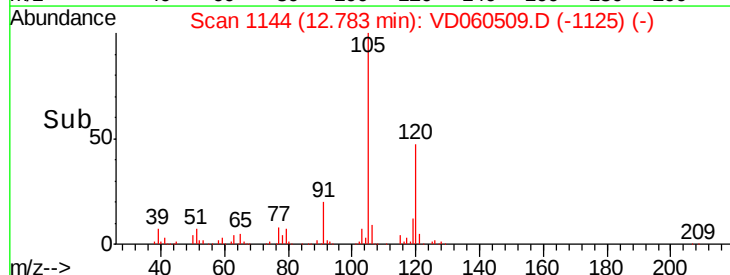
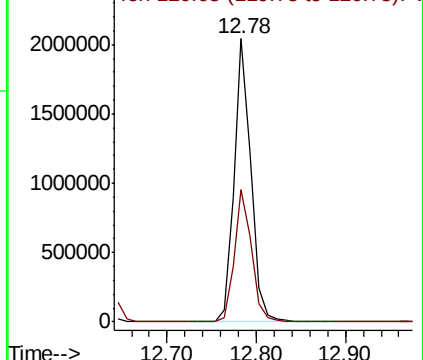
105 100

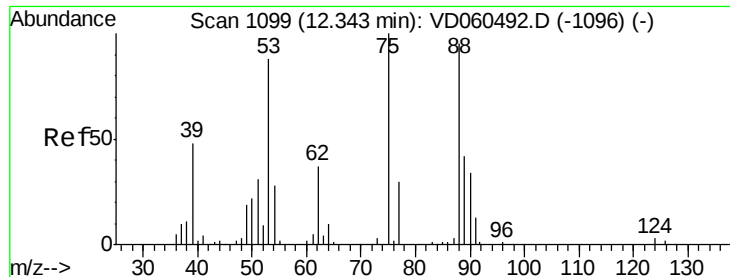
120 47.0 24.2 72.6



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: 52.820 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD060509.D

Acq: 7 Dec 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

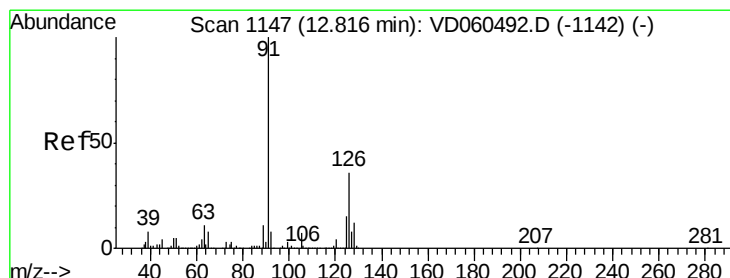
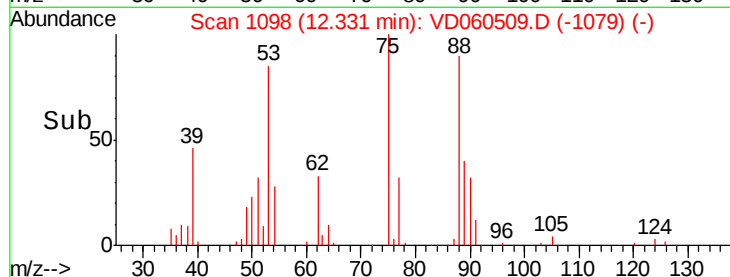
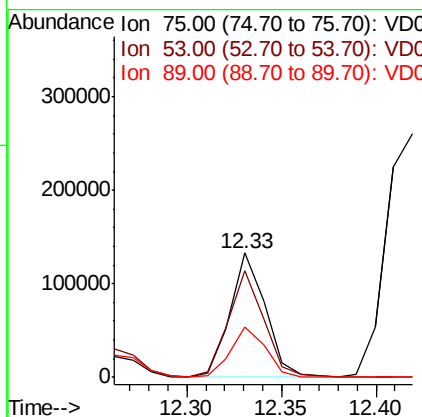
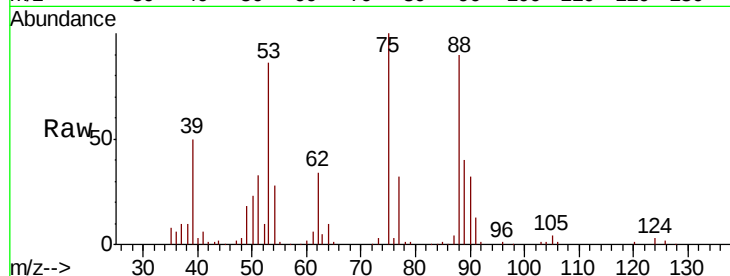
Tot Ion: 75 Resp: 169487

Ion Ratio Lower Upper

75 100

53 86.1 70.5 105.7

89 40.2 33.6 50.4



#82

4-Chlorotoluene

Concen: 47.583 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD060509.D

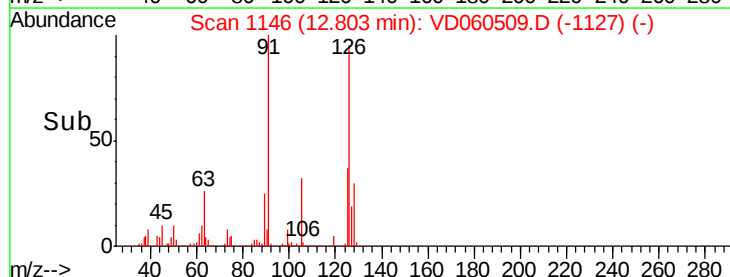
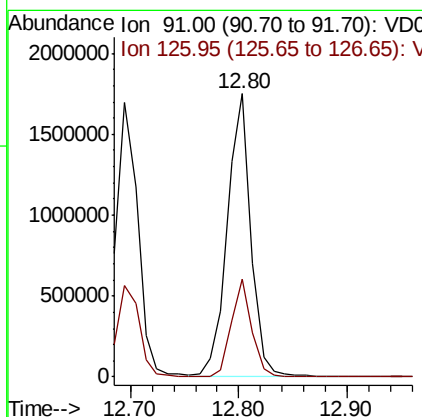
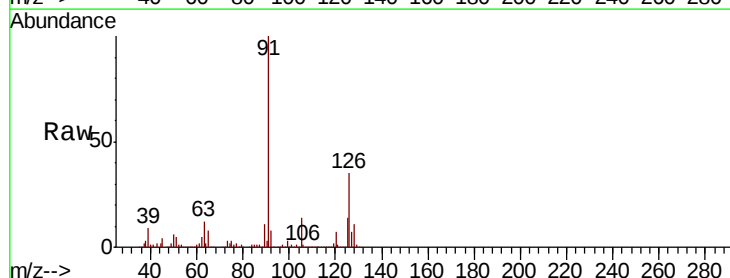
Acq: 7 Dec 2018 10:31

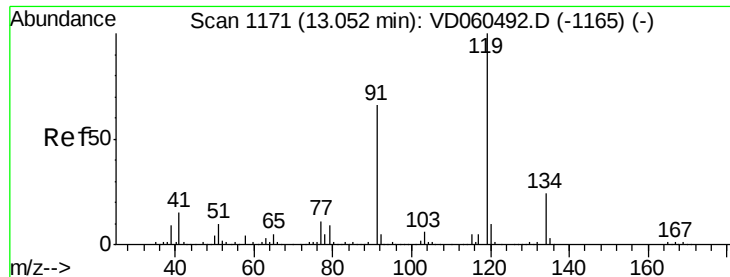
Tgt Ion: 91 Resp: 2633989

Ion Ratio Lower Upper

91 100

126 34.6 17.8 53.4

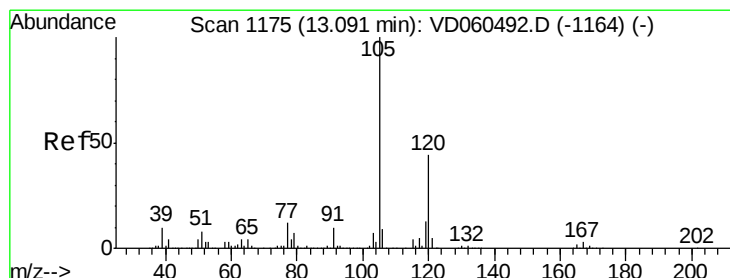
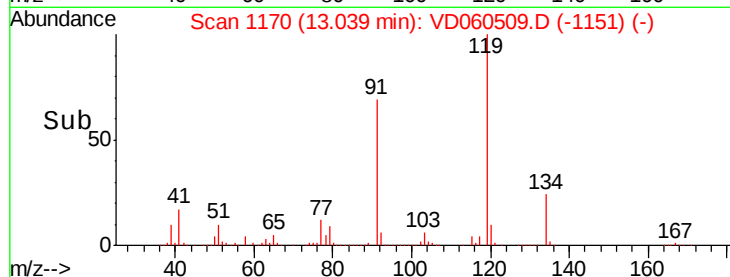
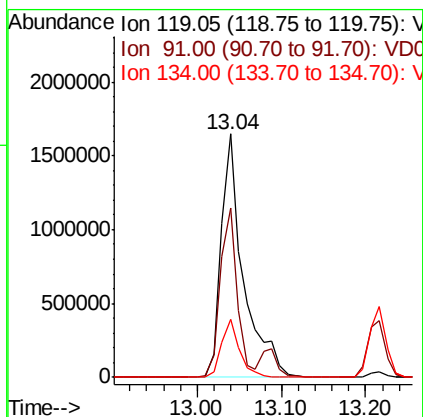
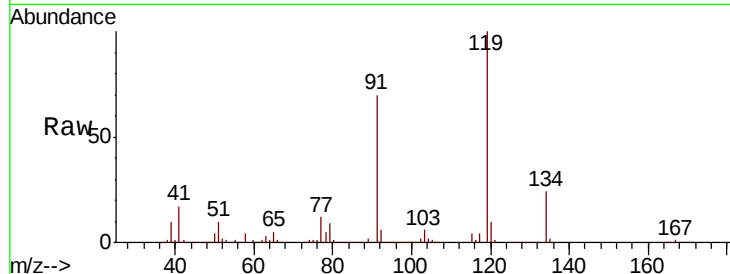




#83
tert-Butylbenzene
Concen: 49.332 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

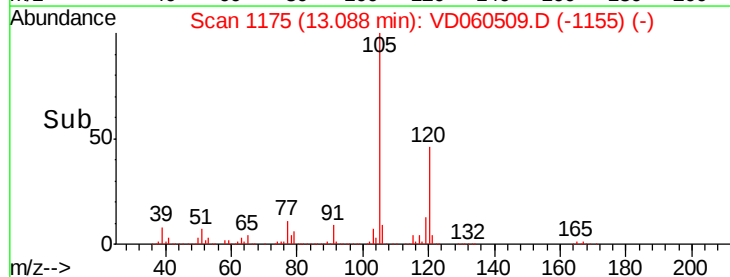
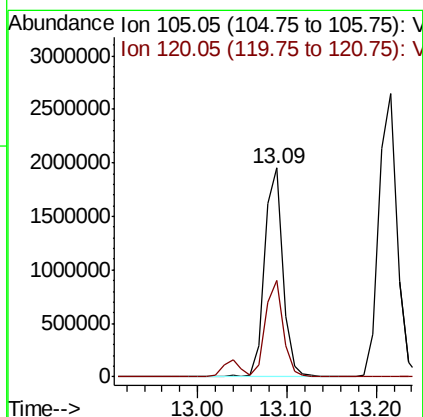
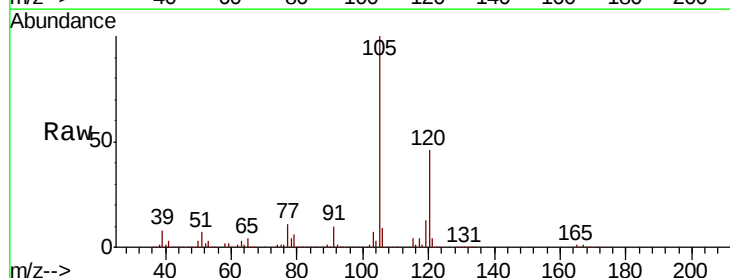
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

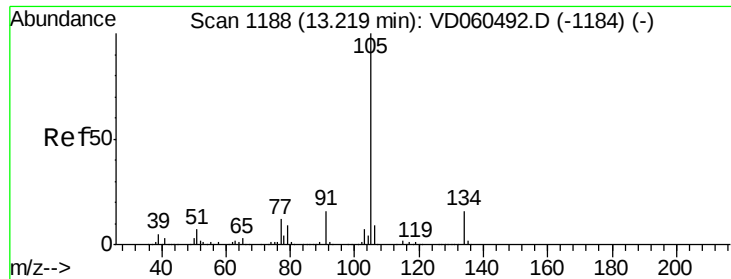
Tot Ion:119 Resp: 3036893
Ion Ratio Lower Upper
119 100
91 69.5 33.1 99.2
134 23.7 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 48.017 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion:105 Resp: 2729716
Ion Ratio Lower Upper
105 100
120 45.9 22.3 66.8

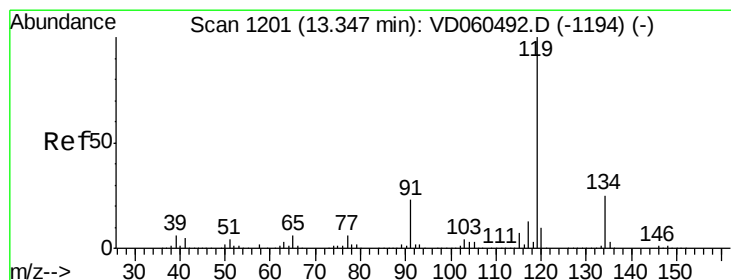
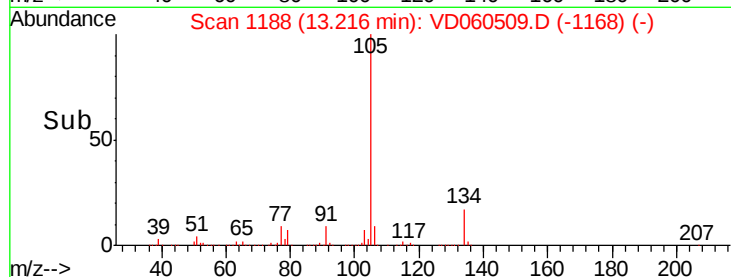
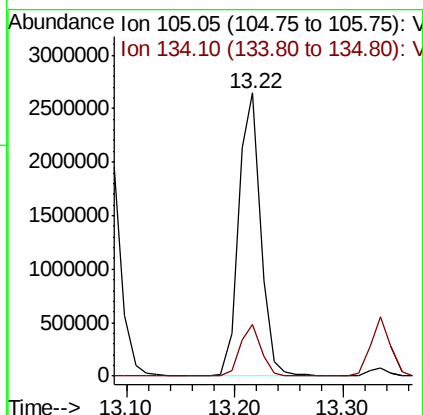
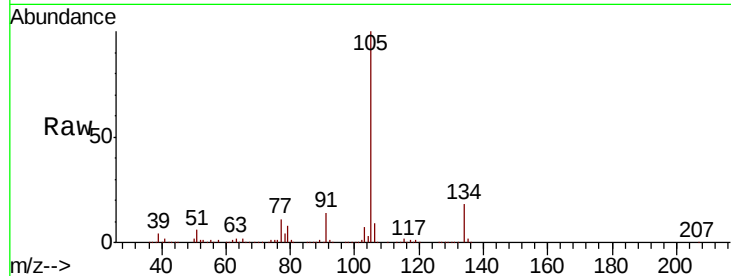




#85
 sec-Butylbenzene
 Concen: 48.237 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

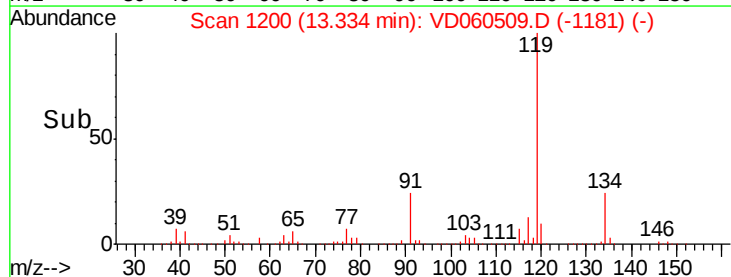
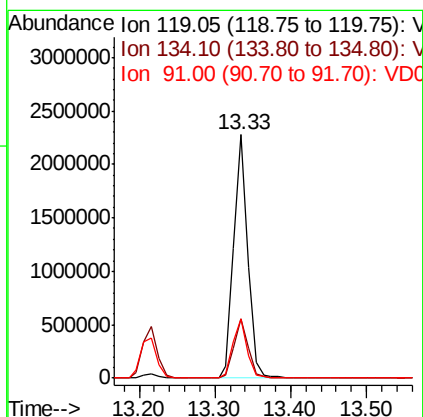
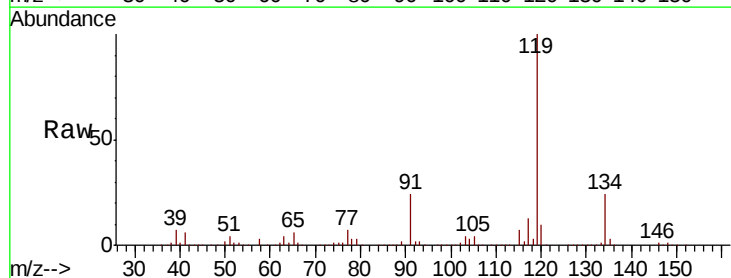
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

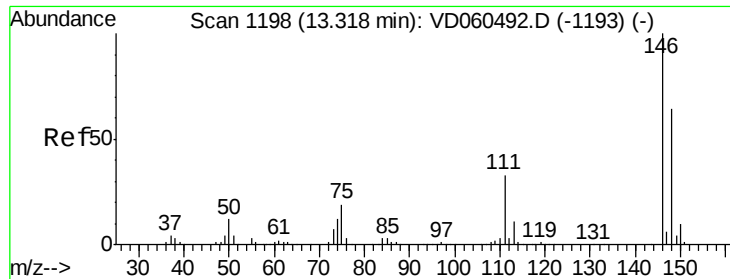
Tot Ion:105 Resp: 3701064
 Ion Ratio Lower Upper
 105 100
 134 18.2 7.9 23.7



#86
 p-Isopropyltoluene
 Concen: 47.349 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion:119 Resp: 2879858
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.5 37.5
 91 24.3 11.5 34.4

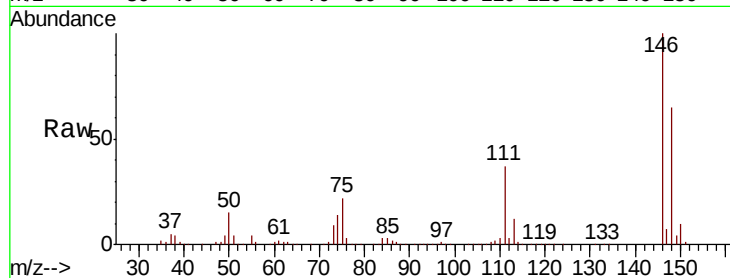




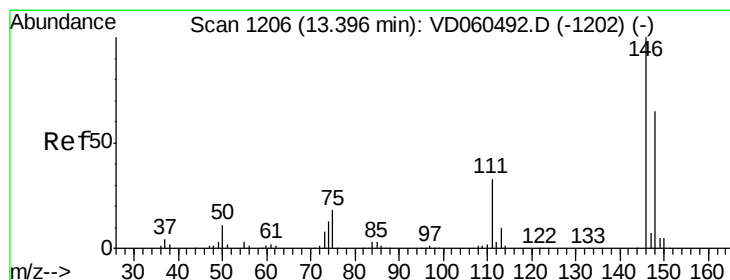
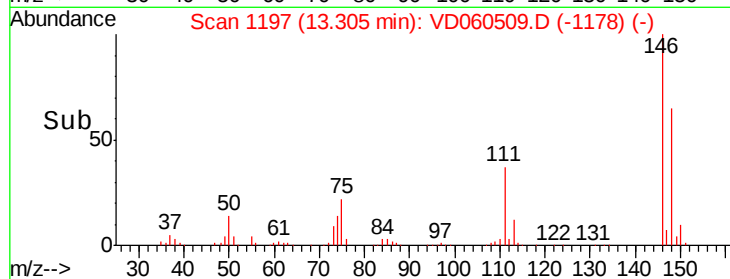
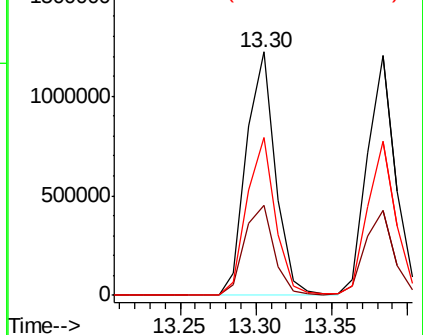
#87
 1,3-Dichlorobenzene
 Concen: 48.002 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1641491
 Ion Ratio Lower Upper
 146 100
 111 37.1 16.5 49.5
 148 64.7 32.3 96.8

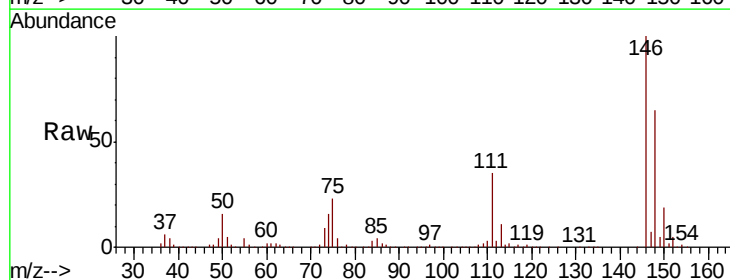


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

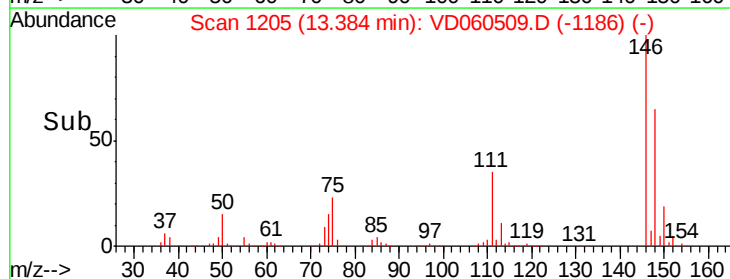
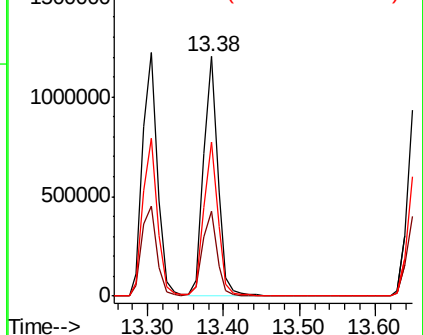


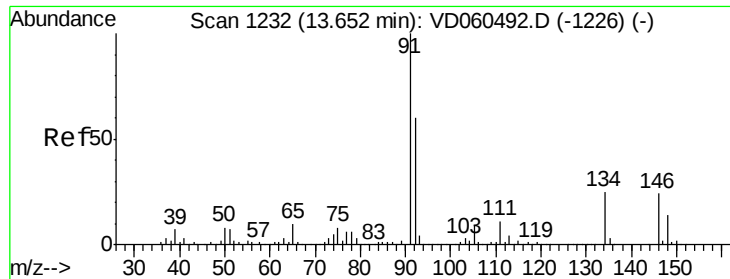
#88
 1,4-Dichlorobenzene
 Concen: 47.132 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion:146 Resp: 1581128
 Ion Ratio Lower Upper
 146 100
 111 35.4 16.4 49.1
 148 64.5 32.6 98.0



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

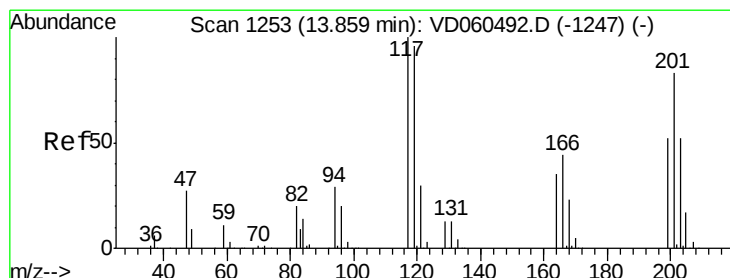
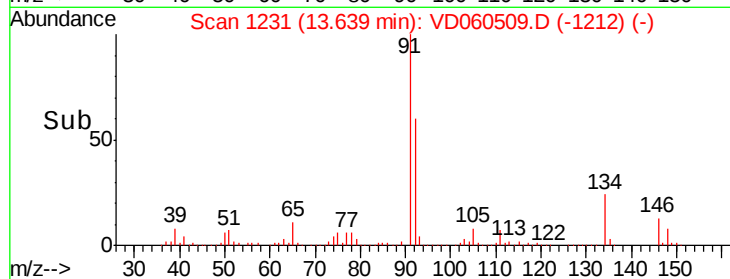
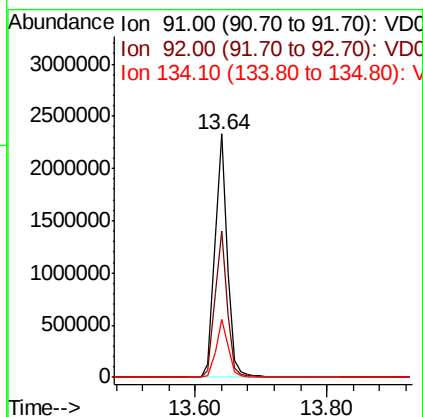
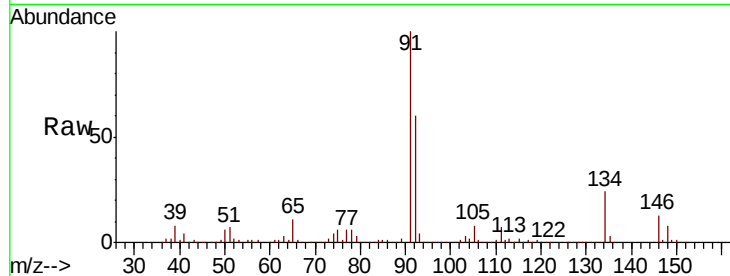




#89
n-Butylbenzene
Concen: 50.060 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

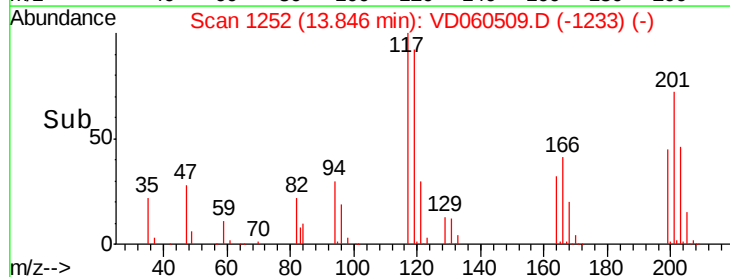
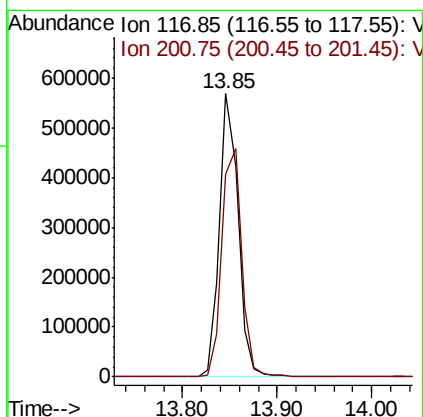
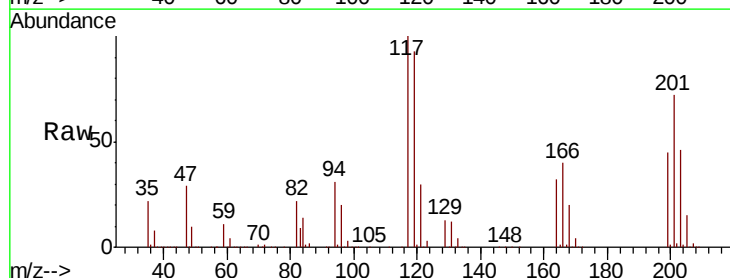
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

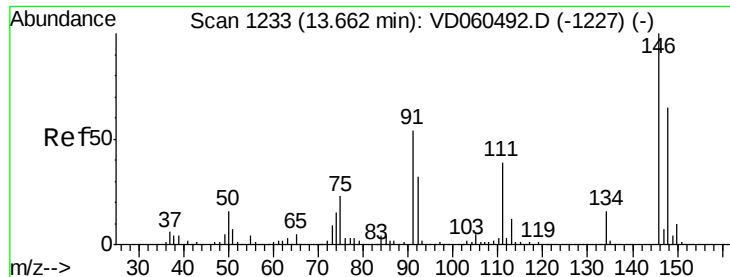
Tot Ion: 91 Resp: 3015258
Ion Ratio Lower Upper
91 100
92 60.3 30.0 90.1
134 24.1 12.5 37.5



#90
Hexachloroethane
Concen: 51.210 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion: 117 Resp: 780933
Ion Ratio Lower Upper
117 100
201 71.6 41.3 123.9

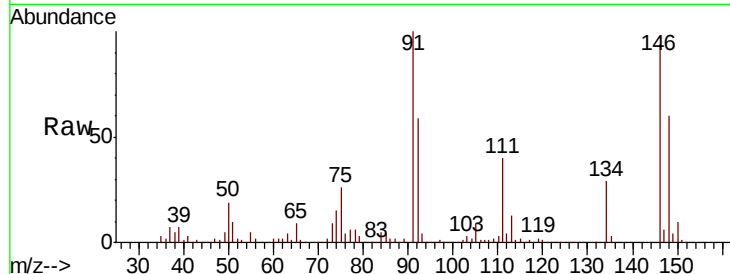




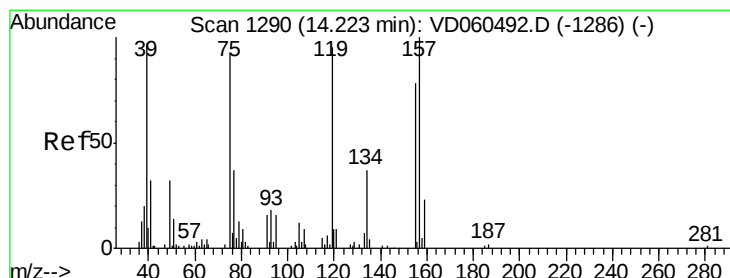
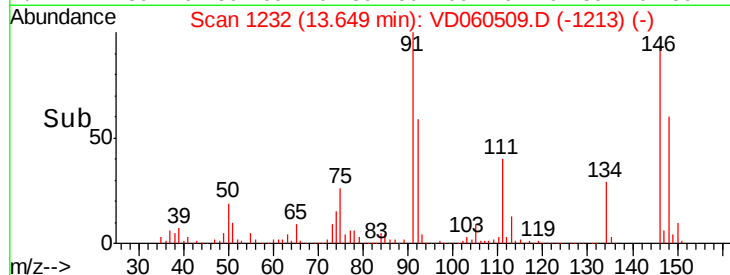
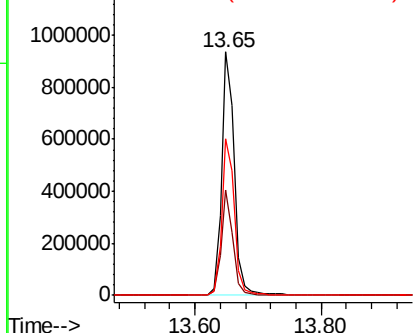
#91
 1,2-Dichlorobenzene
 Concen: 46.990 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1313182
 Ion Ratio Lower Upper
 146 100
 111 43.0 19.3 57.8
 148 64.2 32.3 96.8

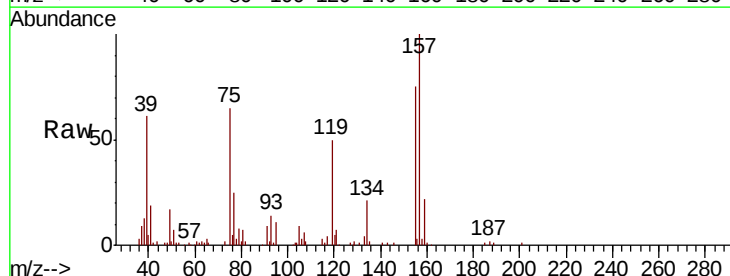


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

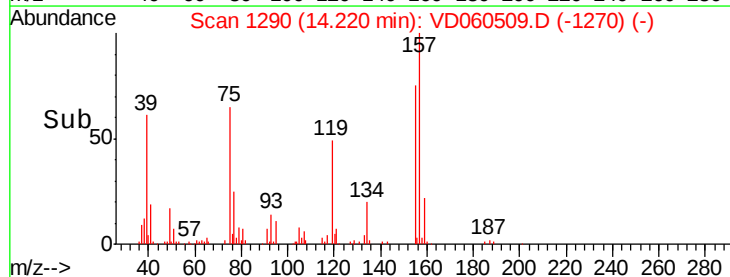
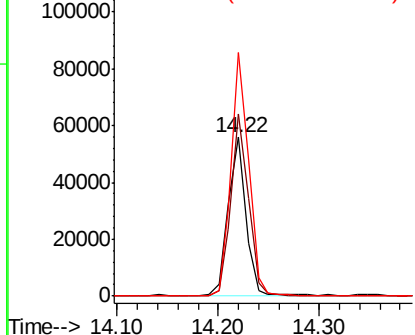


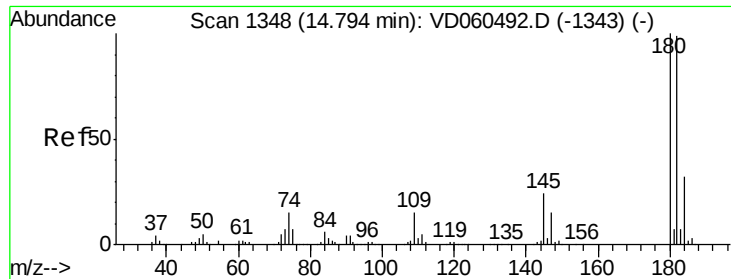
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.429 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion: 75 Resp: 68894
 Ion Ratio Lower Upper
 75 100
 155 114.4 41.6 124.9
 157 153.4 53.6 160.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

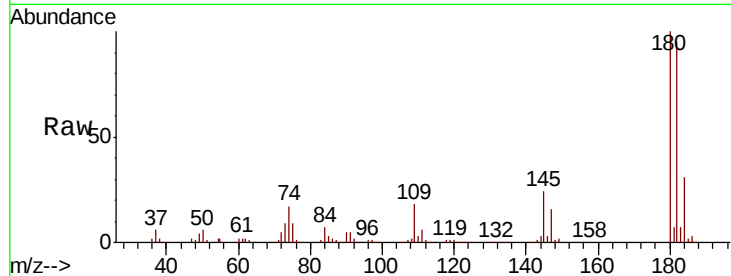




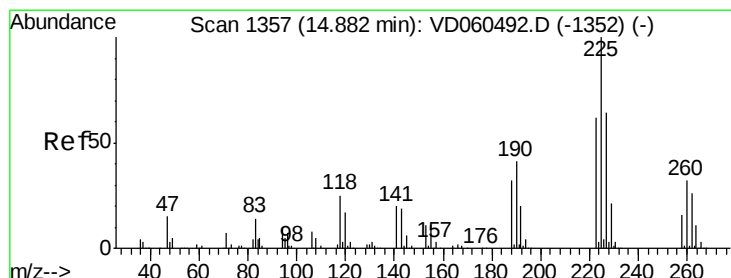
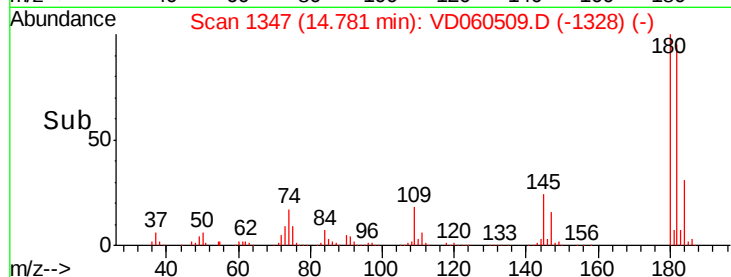
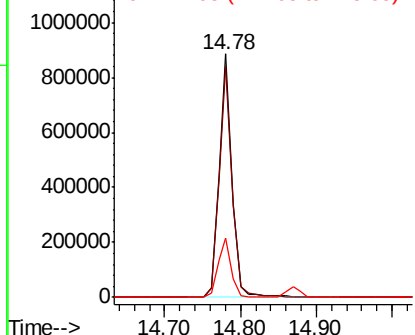
#93
 1,2,4-Trichlorobenzene
 Concen: 49.025 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1071014
 Ion Ratio Lower Upper
 180 100
 182 94.7 49.4 148.0
 145 24.3 11.9 35.9

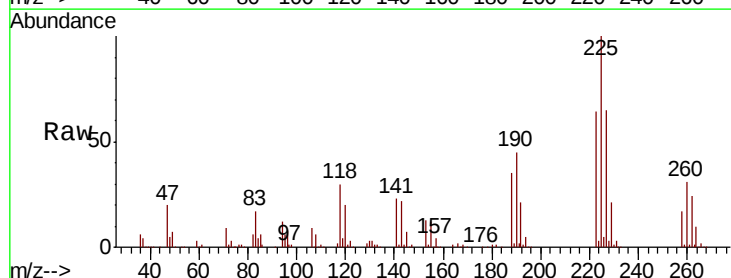


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

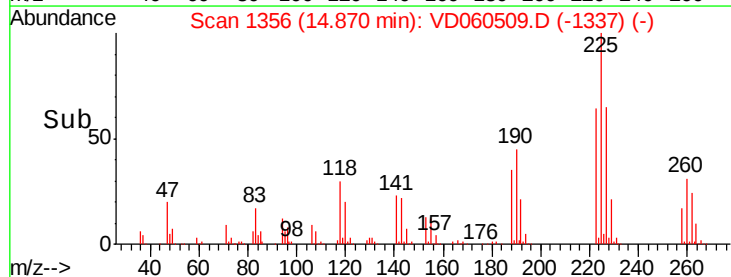
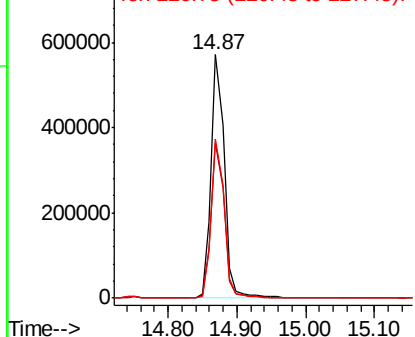


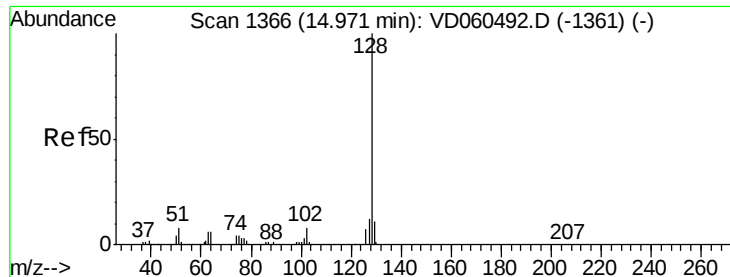
#94
 Hexachlorobutadiene
 Concen: 47.528 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD060509.D
 Acq: 7 Dec 2018 10:31

Tgt Ion:225 Resp: 766062
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.2 93.6
 227 65.2 32.0 96.0



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

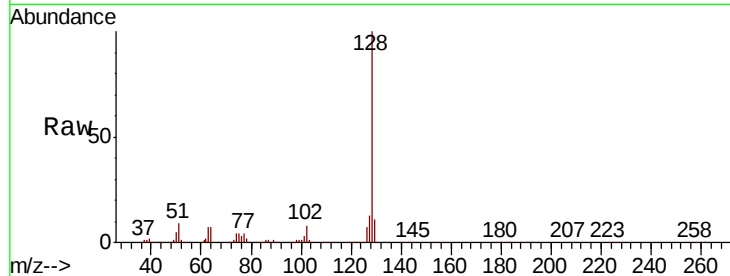




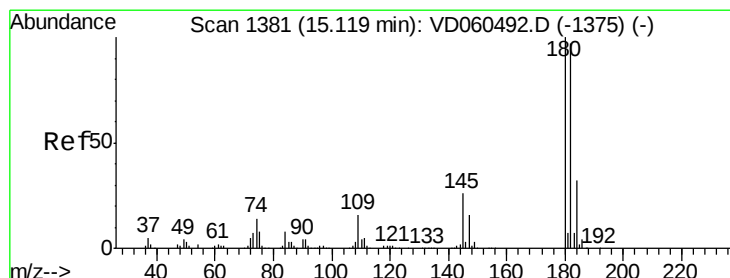
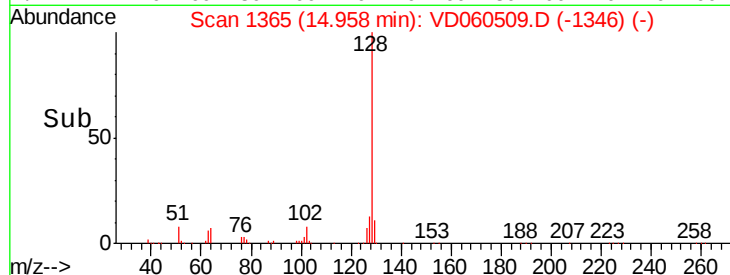
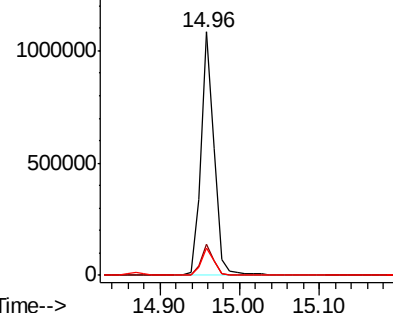
#95
Naphthalene
Concen: 48.932 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1271725
Ion Ratio Lower Upper
128 100
127 12.6 9.8 14.8
129 11.4 8.6 13.0

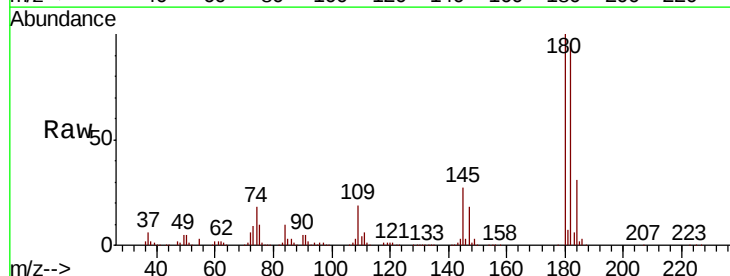


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.623 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060509.D
Acq: 7 Dec 2018 10:31

Tgt Ion:180 Resp: 828973
Ion Ratio Lower Upper
180 100
182 96.3 48.5 145.5
145 27.2 12.9 38.7



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

