

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061409.D
 Acq On : 29 Mar 2019 00:09
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 29 01:15:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	648830	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1138600	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	921064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	400814	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	270569	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
35) Dibromofluoromethane	6.92	113	454038	52.18	ug/l	0.02
Spiked Amount			Recovery	=	104.36%	
50) Toluene-d8	10.40	98	1033663	49.53	ug/l	0.02
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	13.55	95	369121	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	315710	45.562	ug/l	98
3) Chloromethane	1.76	50	234615	41.516	ug/l	99
4) Vinyl Chloride	1.86	62	229084	44.150	ug/l	97
5) Bromomethane	2.15	94	53621	52.114	ug/l	93
6) Chloroethane	2.27	64	78769	51.767	ug/l	97
7) Trichlorofluoromethane	2.54	101	356688	47.274	ug/l	96
8) Diethyl Ether	2.87	74	108507	44.666	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.16	101	372710	45.947	ug/l	97
10) Methyl Iodide	3.31	142	547264	44.768	ug/l	99
11) Tert butyl alcohol	4.05	59	83324	241.397	ug/l	99
12) 1,1-Dichloroethene	3.13	96	321365	46.145	ug/l	97
13) Acrolein	3.03	56	49430	181.691	ug/l	93
14) Allyl chloride	3.62	41	457957	47.146	ug/l	95
15) Acrylonitrile	4.18	53	276117	230.476	ug/l	96
16) Acetone	3.22	43	272626	191.342	ug/l	95
17) Carbon Disulfide	3.38	76	959522	42.405	ug/l	99
18) Methyl Acetate	3.64	43	141313	47.172	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	549487	45.581	ug/l	99
20) Methylene Chloride	3.82	84	387818	48.532	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	334690	44.513	ug/l	98
22) Diisopropyl ether	5.12	45	987311	48.032	ug/l	97
23) Vinyl Acetate	5.05	43	2619871	234.637	ug/l	97
24) 1,1-Dichloroethane	4.98	63	597933	49.497	ug/l	99
25) 2-Butanone	6.06	43	399124	222.690	ug/l	98
26) 2,2-Dichloropropane	6.02	77	419861	43.721	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	391511	47.525	ug/l	100
28) Bromochloromethane	6.43	49	278905	57.195	ug/l #	99
29) Tetrahydrofuran	6.45	42	222628	256.274	ug/l	98
30) Chloroform	6.65	83	605837	48.536	ug/l	99
31) Cyclohexane	6.95	56	454359	47.596	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	528358	47.980	ug/l	98
36) 1,1-Dichloropropene	7.14	75	407332	40.990	ug/l	97
37) Ethyl Acetate	6.17	43	200297	47.129	ug/l	97
38) Carbon Tetrachloride	7.11	117	539686	47.262	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	469911	45.403	ug/l	96
40) Benzene	7.45	78	1032207	41.387	ug/l	97
41) Methacrylonitrile	6.43	41	247369	49.780	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	349719	46.878	ug/l	99
43) Isopropyl Acetate	9.23	43	290521	46.982	ug/l #	97
44) Trichloroethene	8.53	130	399268	43.018	ug/l	95
45) 1,2-Dichloropropane	8.93	63	293188	46.360	ug/l	99
46) Dibromomethane	9.06	93	200666	47.142	ug/l	96
47) Bromodichloromethane	9.36	83	452208	47.333	ug/l	96
48) Methyl methacrylate	9.11	41	157423	46.129	ug/l	97
49) 1,4-Dioxane	9.08	88	36859	979.208	ug/l	94
51) 4-Methyl-2-Pentanone	10.29	43	871648	231.692	ug/l	98
52) Toluene	10.50	92	690583	45.387	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	381637	43.967	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	496808	47.005	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	227507	42.755	ug/l	99
56) Ethyl methacrylate	11.03	69	274876	48.086	ug/l	99
57) 1,3-Dichloropropane	11.40	76	378275	48.366	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	690662	248.098	ug/l	99
59) 2-Hexanone	11.53	43	646617	237.226	ug/l	99
60) Dibromochloromethane	11.67	129	376033	45.840	ug/l	100
61) 1,2-Dibromoethane	11.79	107	289415	46.971	ug/l	99
64) Tetrachloroethene	11.25	164	318379	44.044	ug/l	98
65) Chlorobenzene	12.39	112	871936	46.322	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.50	131	331716	45.514	ug/l	98
67) Ethyl Benzene	12.52	91	1266148	44.068	ug/l	98
68) m/p-Xylenes	12.66	106	977060	89.773	ug/l	95
69) o-Xylene	13.04	106	504399	47.757	ug/l	99
70) Styrene	13.06	104	879446	47.767	ug/l	97
71) Bromoform	13.23	173	207582	44.930	ug/l	98
73) Isopropylbenzene	13.40	105	1240581	44.471	ug/l	99
74) N-amyl acetate	13.26	43	358909	46.185	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	263759	44.821	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	268808	46.427	ug/l	100
77) Bromobenzene	13.66	156	385989	46.673	ug/l	91
78) n-propylbenzene	13.77	91	1533319	44.915	ug/l	100
79) 2-Chlorotoluene	13.84	91	791235	42.686	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1028322	47.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	84238	47.718	ug/l	93
82) 4-Chlorotoluene	13.94	91	973840	48.317	ug/l	91
83) tert-Butylbenzene	14.18	119	1236425	45.710	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	1029032	43.914	ug/l	98
85) sec-Butylbenzene	14.36	105	1268844	44.156	ug/l	99
86) p-Isopropyltoluene	14.49	119	1108784	45.631	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	629867	44.976	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	615106	45.039	ug/l	95
89) n-Butylbenzene	14.79	91	972218	43.592	ug/l	98
90) Hexachloroethane	15.00	117	337913	49.225	ug/l	78
91) 1,2-Dichlorobenzene	14.80	146	507166	44.151	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	29797	43.172	ug/l	79

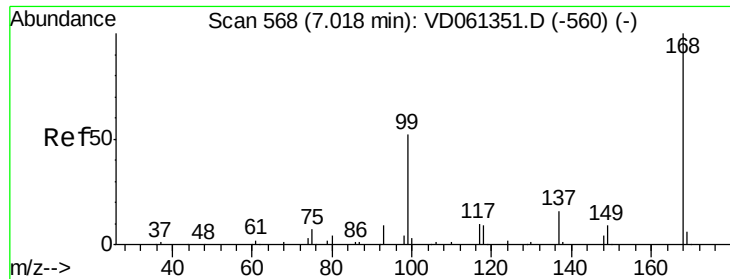
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	253049	48.358	ug/l	95
94) Hexachlorobutadiene	16.03	225	198159	48.461	ug/l	98
95) Naphthalene	16.11	128	431123	54.051	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	141738	61.554	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

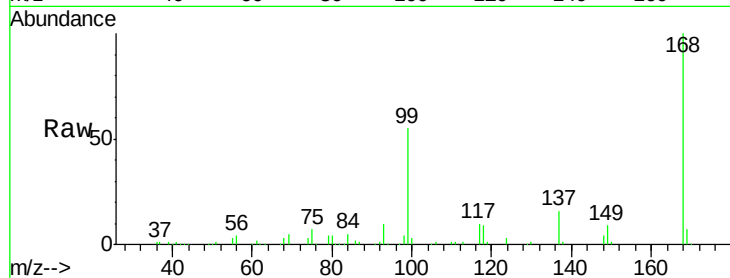
VSTDCCC050EC

Tot Ion:168 Resp: 648830

Ion Ratio Lower Upper

168 100

99 55.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

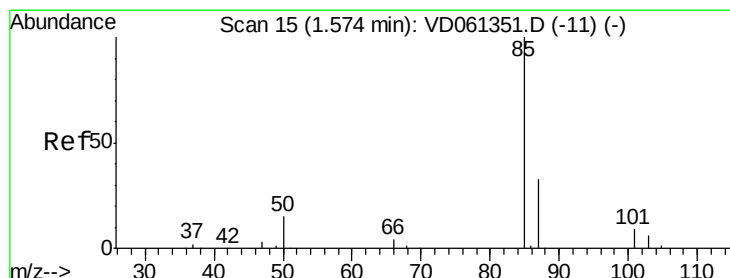
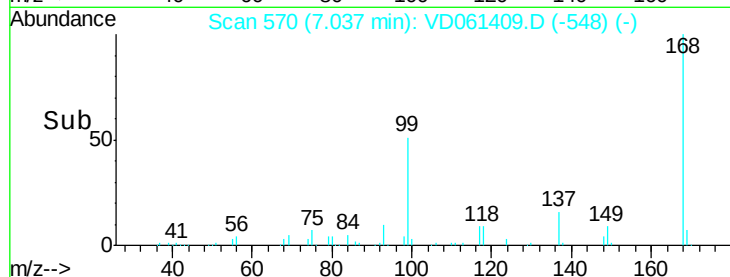
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 45.562 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061409.D

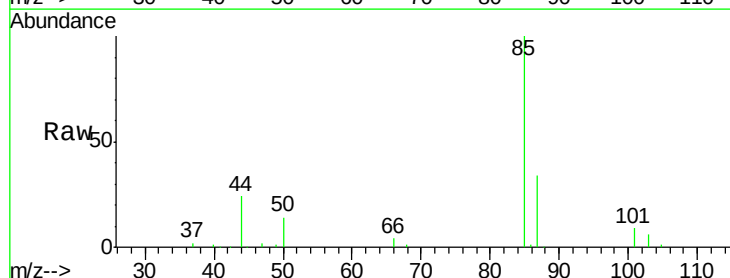
Acq: 29 Mar 2019 00:09

Tgt Ion: 85 Resp: 315710

Ion Ratio Lower Upper

85 100

87 34.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

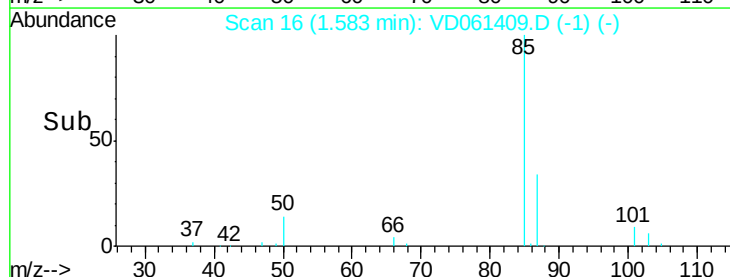
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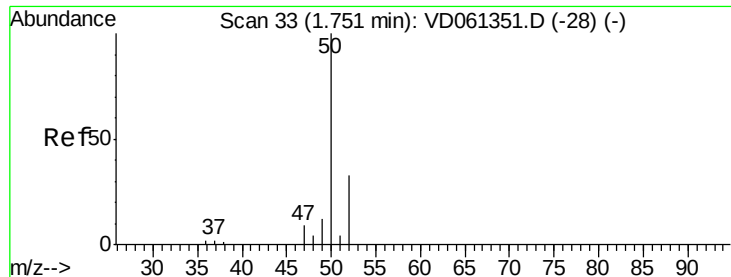
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 41.516 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

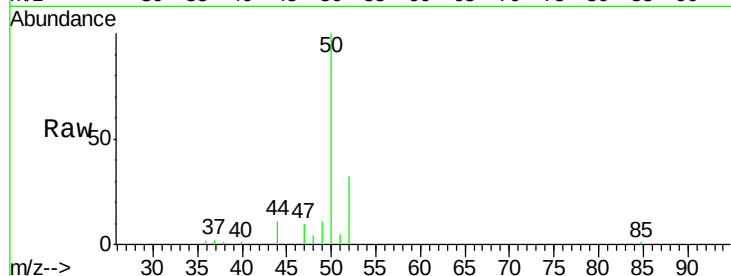
VSTDCCC050EC

Tot Ion: 50 Resp: 234615

Ion Ratio Lower Upper

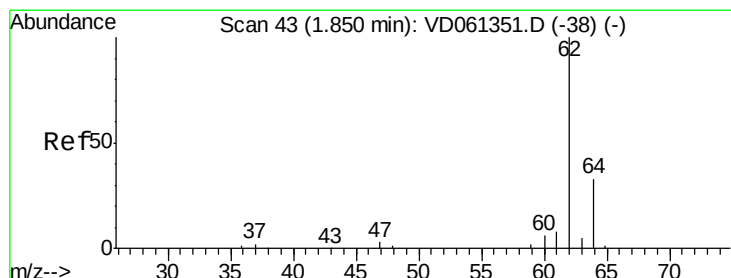
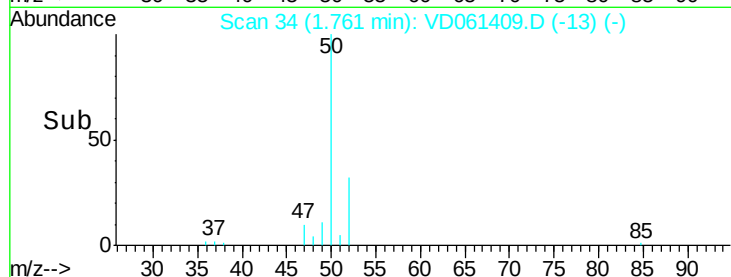
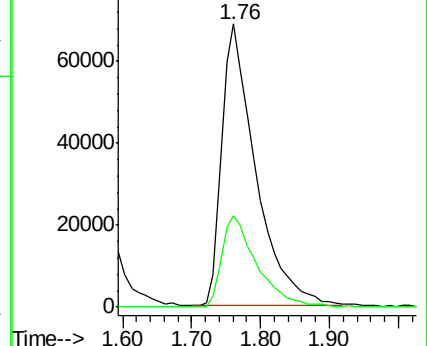
50 100

52 32.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.150 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061409.D

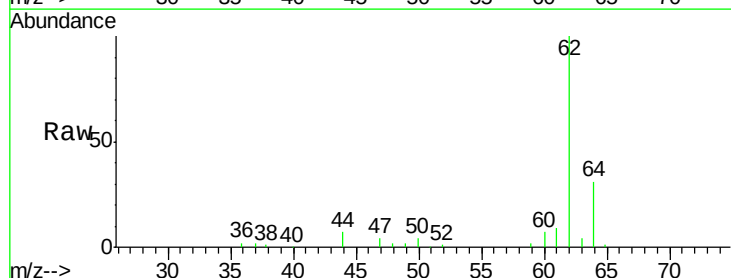
Acq: 29 Mar 2019 00:09

Tgt Ion: 62 Resp: 229084

Ion Ratio Lower Upper

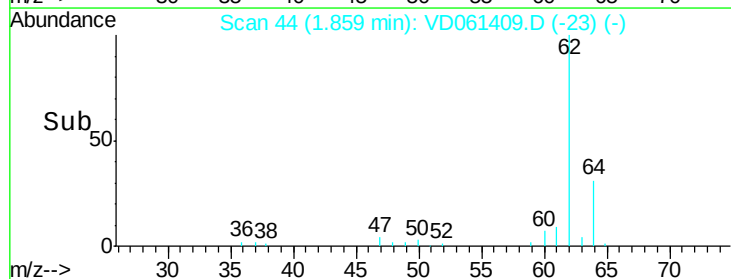
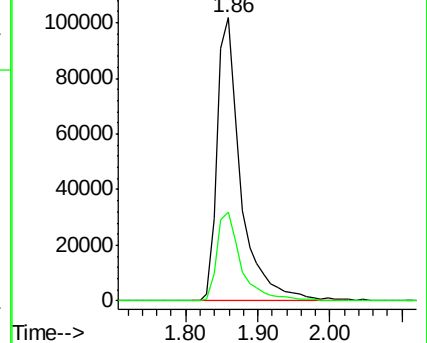
62 100

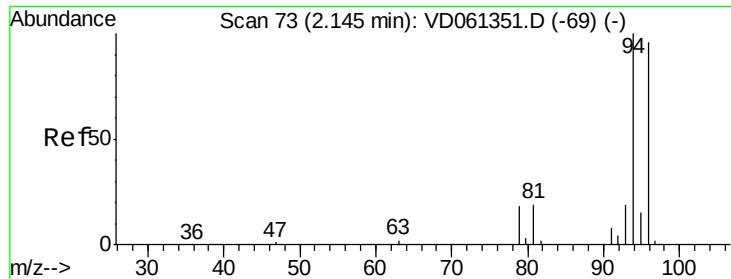
64 31.3 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 52.114 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

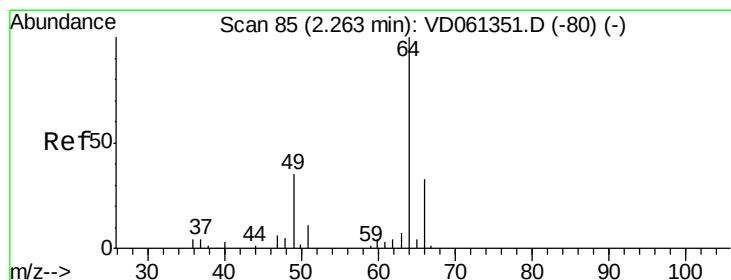
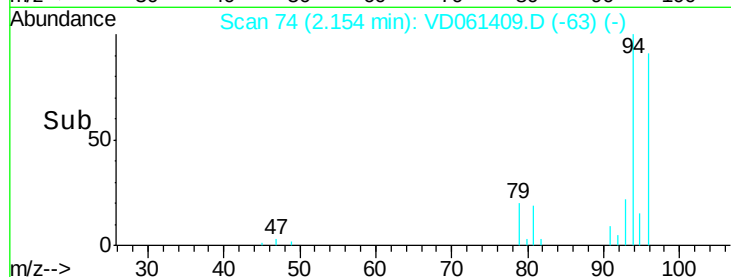
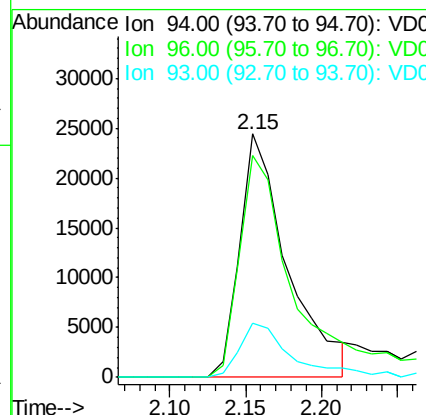
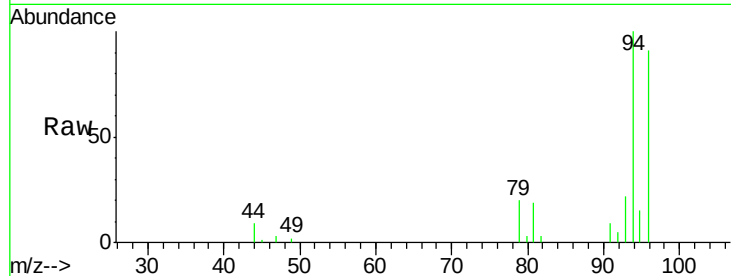
Tot Ion: 94 Resp: 53621

Ion Ratio Lower Upper

94 100

96 91.0 78.3 117.5

93 22.4 15.6 23.4



#6

Chloroethane

Concen: 51.767 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD061409.D

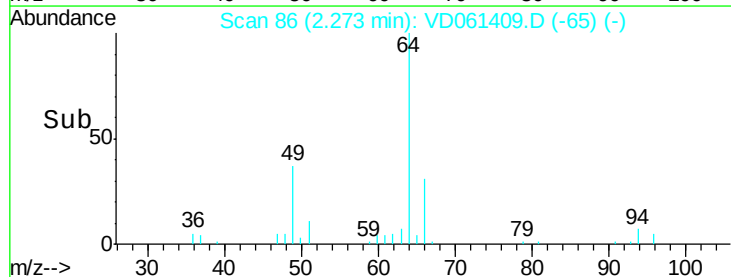
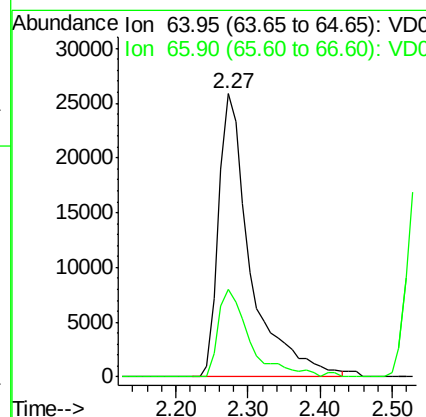
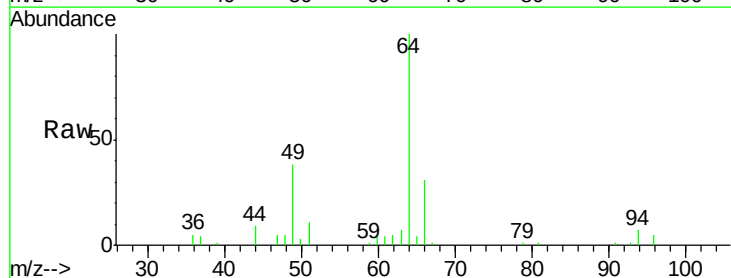
Acq: 29 Mar 2019 00:09

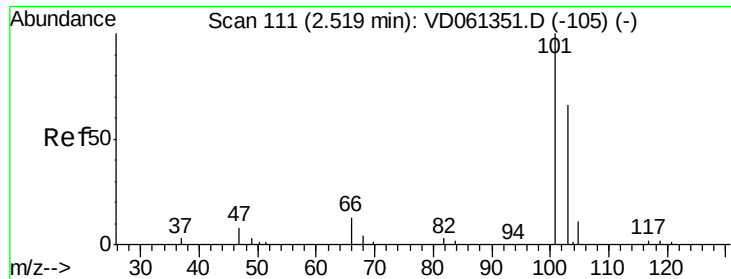
Tgt Ion: 64 Resp: 78769

Ion Ratio Lower Upper

64 100

66 31.1 26.2 39.2



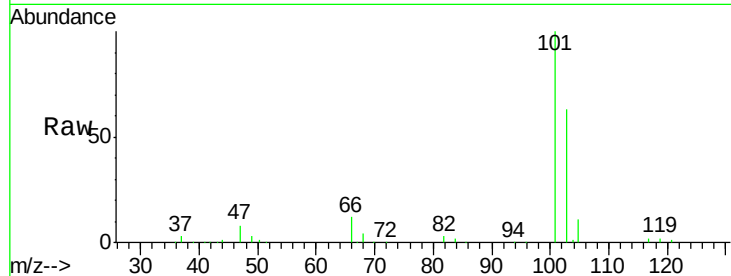


#7

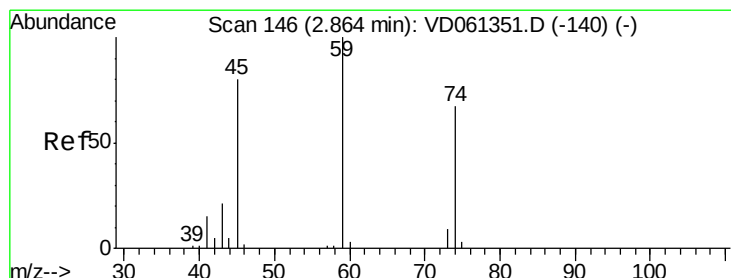
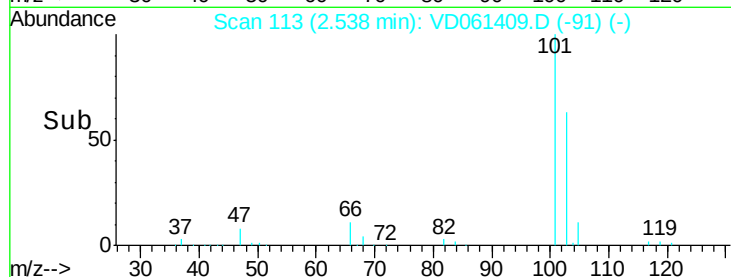
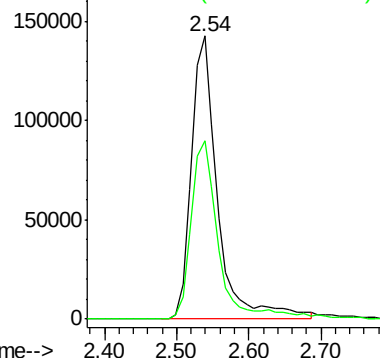
Trichlorofluoromethane
Concen: 47.274 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 356688
Ion Ratio Lower Upper
101 100
103 63.2 53.1 79.7



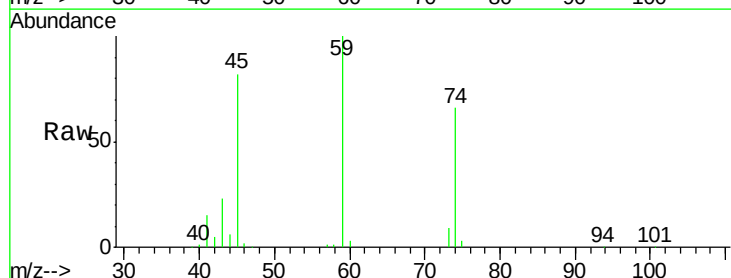
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



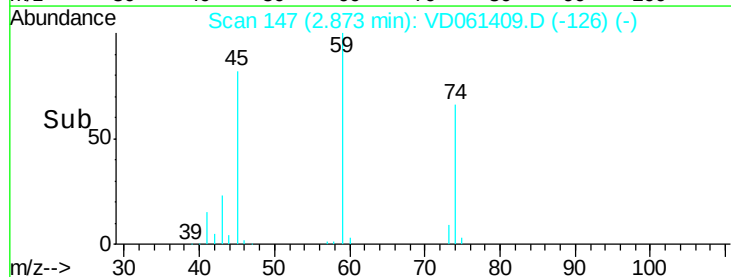
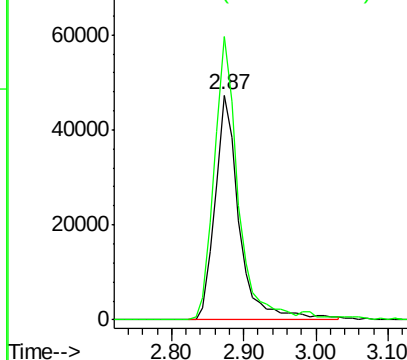
#8

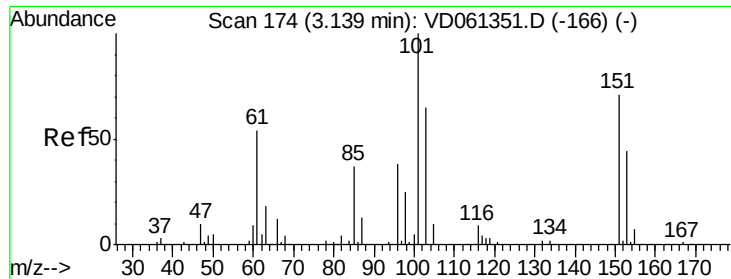
Diethyl Ether
Concen: 44.666 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 74 Resp: 108507
Ion Ratio Lower Upper
74 100
45 125.7 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.947 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

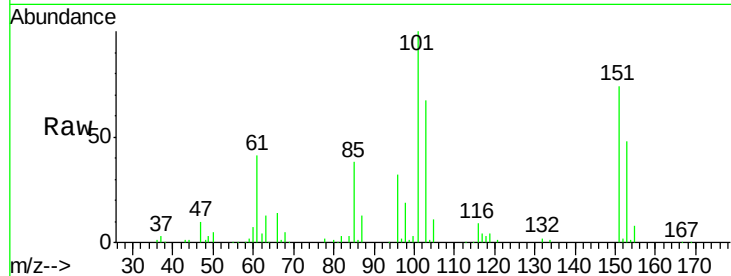
Tot Ion:101 Resp: 372710

Ion Ratio Lower Upper

101 100

85 38.2 29.4 44.0

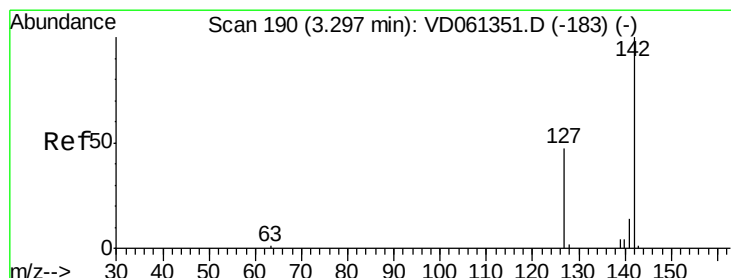
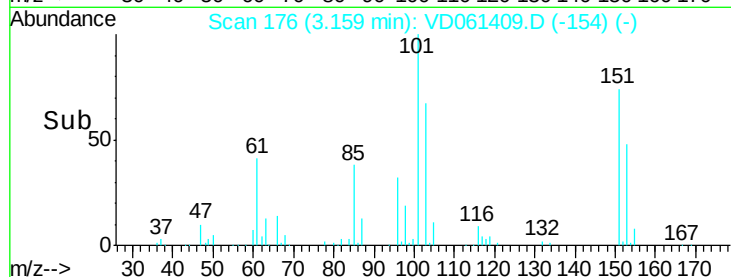
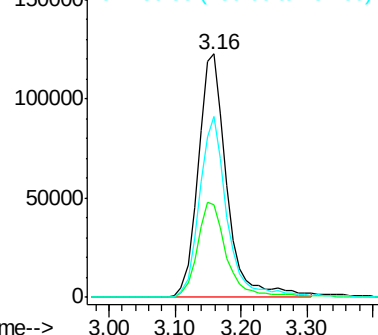
151 74.1 57.0 85.4



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: 44.768 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

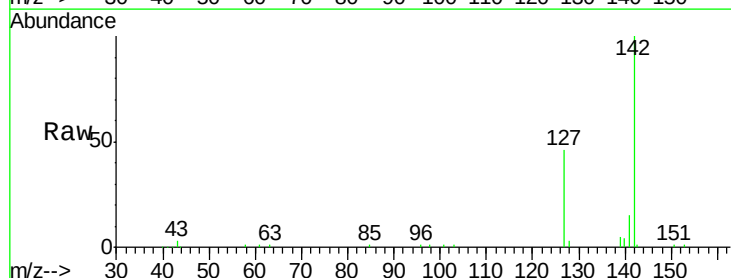
Tgt Ion:142 Resp: 547264

Ion Ratio Lower Upper

142 100

127 46.4 37.7 56.5

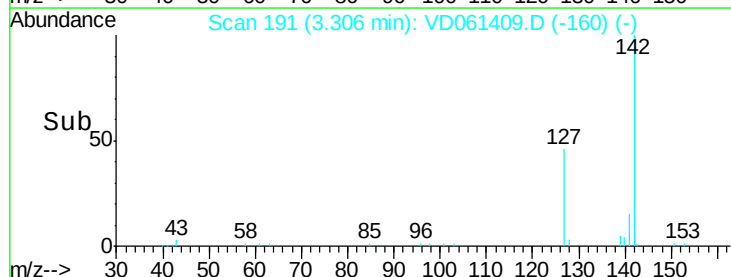
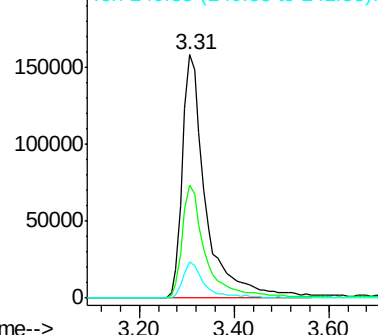
141 14.7 11.5 17.3

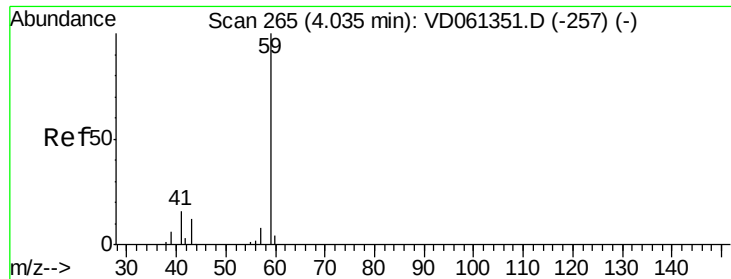


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

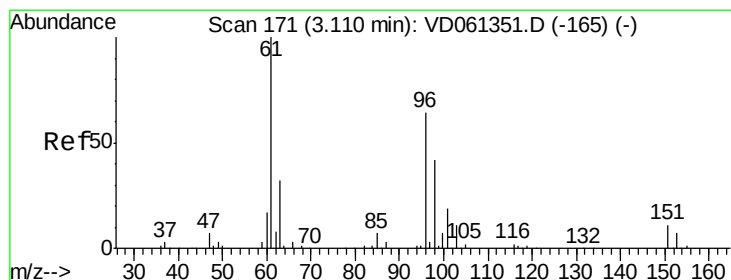
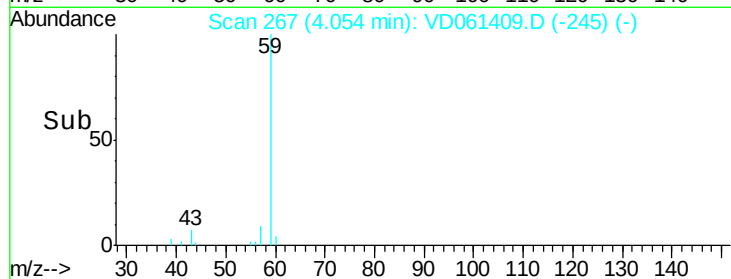
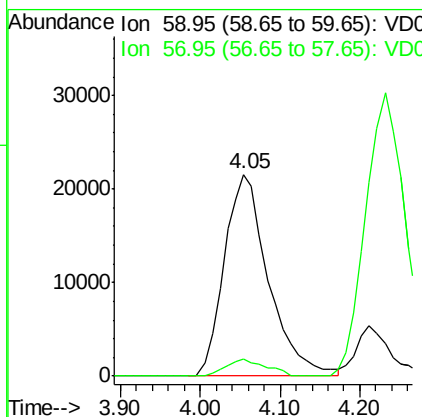
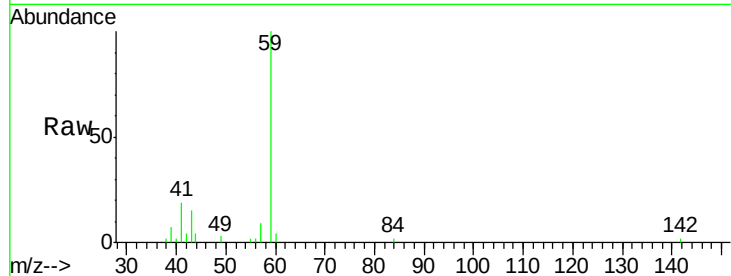




#11
Tert butyl alcohol
Concen: 241.397 ug/l
RT: 4.05 min Scan# 267
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

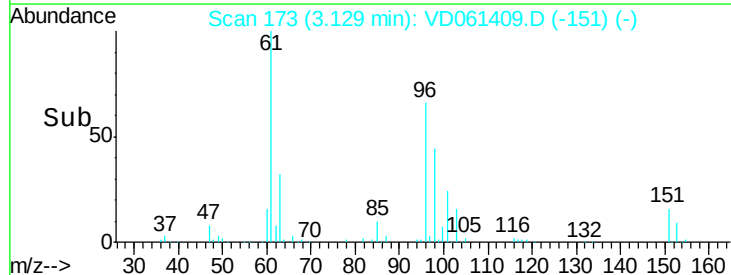
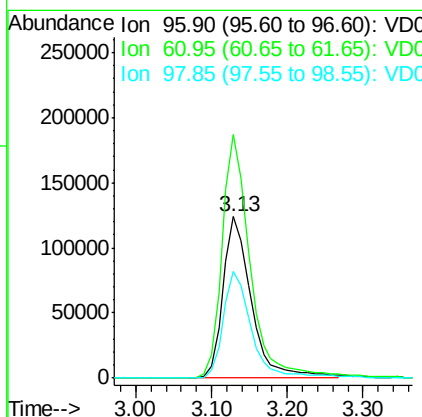
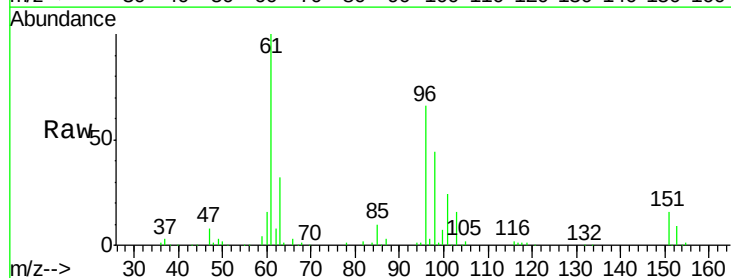
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

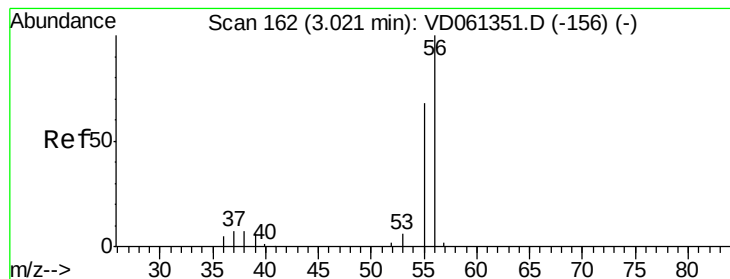
Tot Ion: 59 Resp: 83324
Ion Ratio Lower Upper
59 100
57 8.6 6.7 10.1



#12
1,1-Dichloroethene
Concen: 46.145 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 96 Resp: 321365
Ion Ratio Lower Upper
96 100
61 151.2 124.9 187.3
98 65.9 52.5 78.7





#13

Acrolein

Concen: 181.691 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

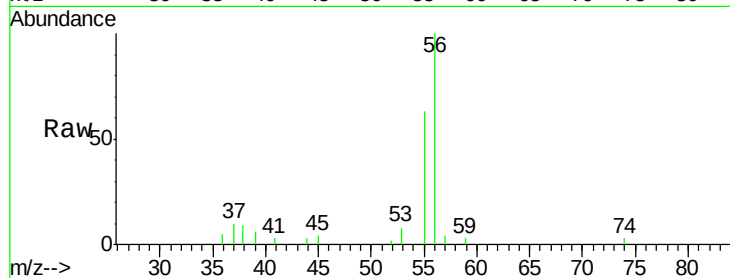
VSTDCCC050EC

Tot Ion: 56 Resp: 49430

Ion Ratio Lower Upper

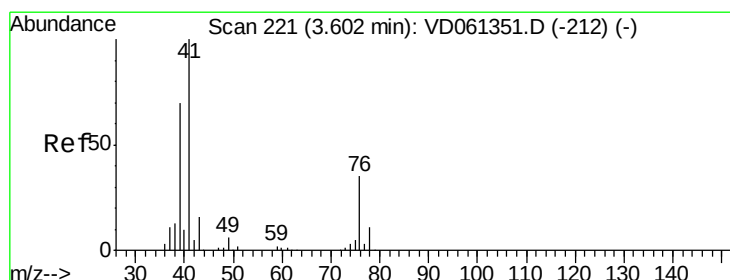
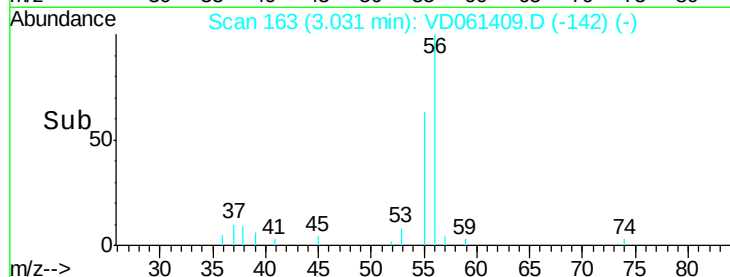
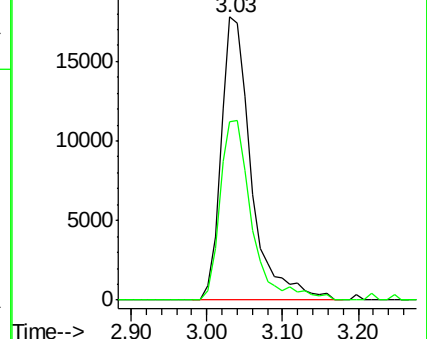
56 100

55 62.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.146 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

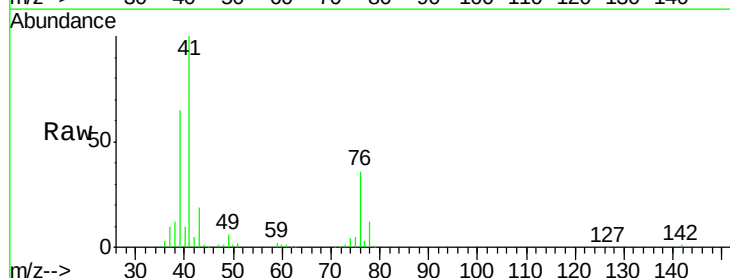
Tgt Ion: 41 Resp: 457957

Ion Ratio Lower Upper

41 100

39 65.2 55.6 83.4

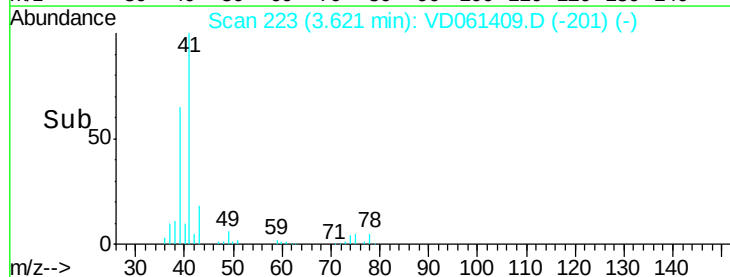
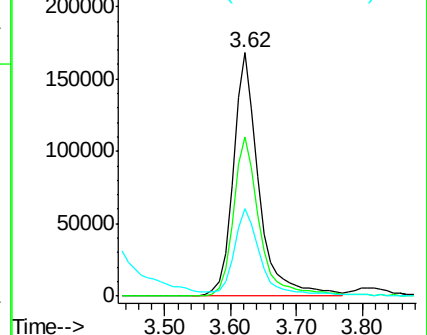
76 36.2 31.0 46.6

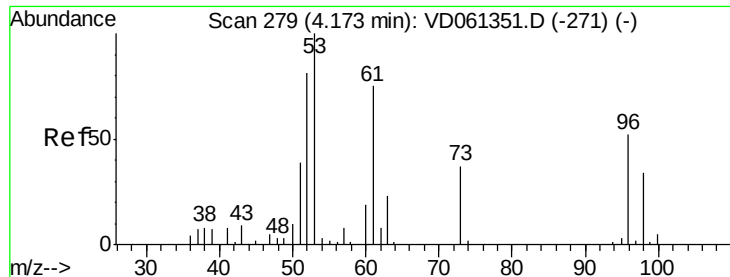


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 230.476 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

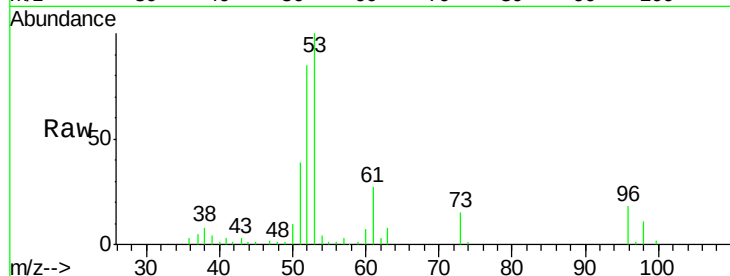
Tot Ion: 53 Resp: 276117

Ion Ratio Lower Upper

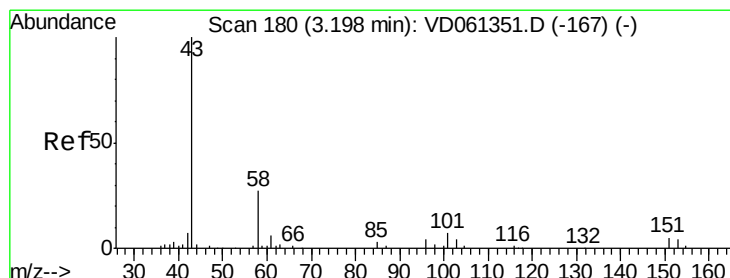
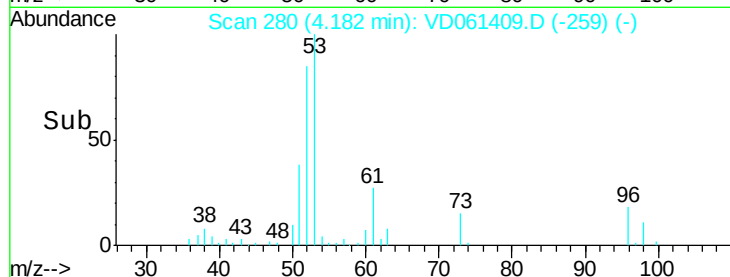
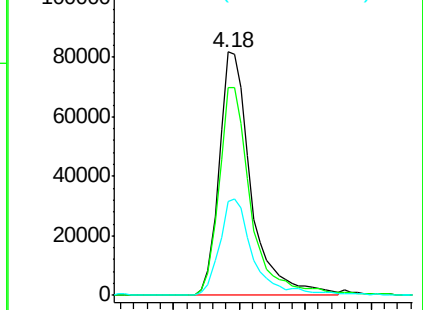
53 100

52 85.3 64.8 97.2

51 38.7 31.4 47.2



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: 191.342 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061409.D

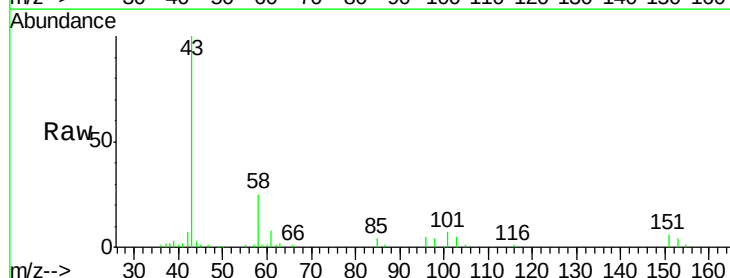
Acq: 29 Mar 2019 00:09

Tgt Ion: 43 Resp: 272626

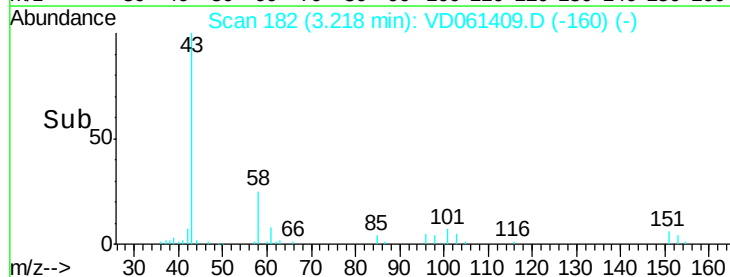
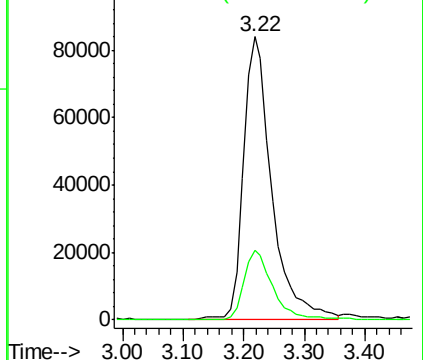
Ion Ratio Lower Upper

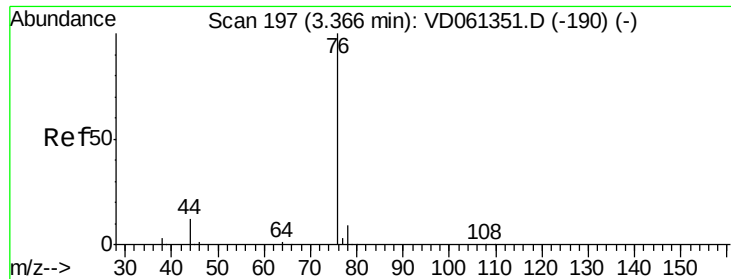
43 100

58 24.6 21.5 32.3



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





#17

Carbon Disulfide

Concen: 42.405 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

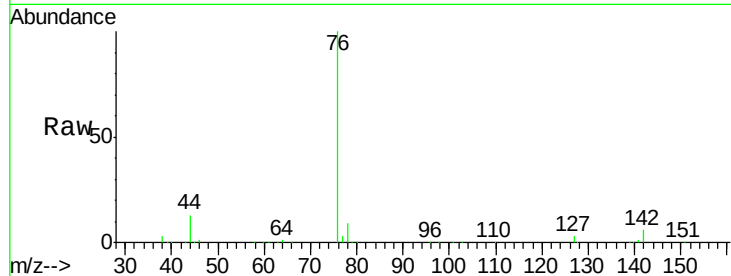
VSTDCCC050EC

Tot Ion: 76 Resp: 959522

Ion Ratio Lower Upper

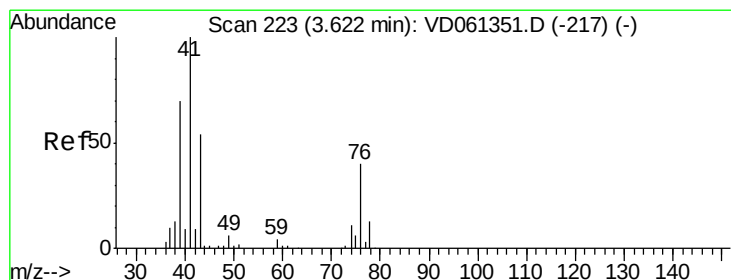
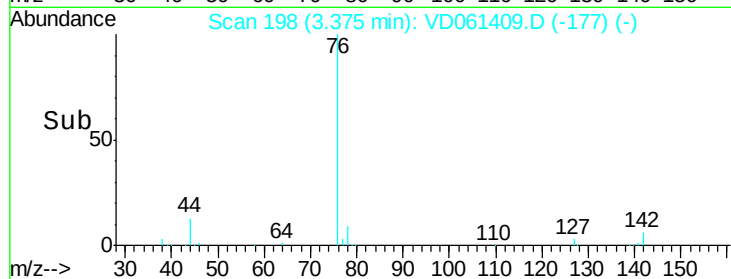
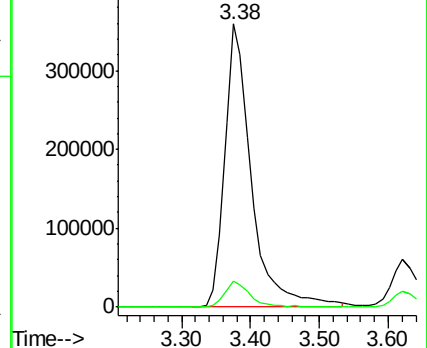
76 100

78 9.2 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 47.172 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD061409.D

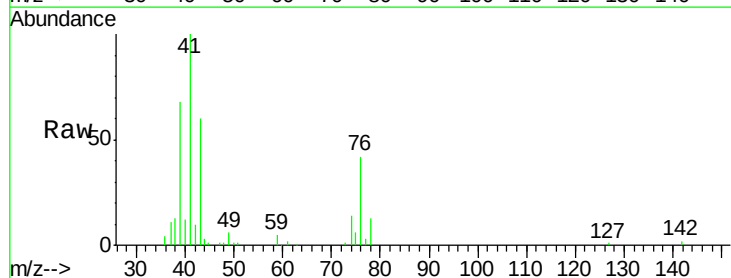
Acq: 29 Mar 2019 00:09

Tgt Ion: 43 Resp: 141313

Ion Ratio Lower Upper

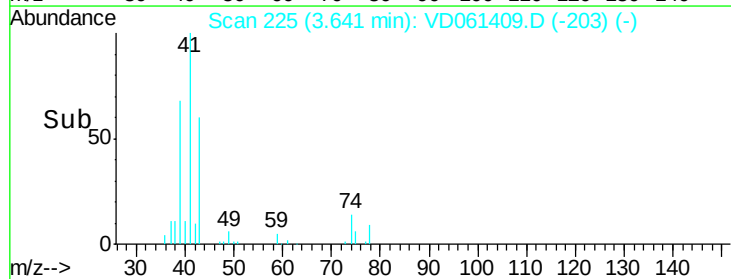
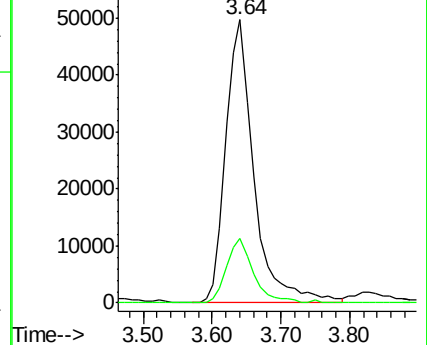
43 100

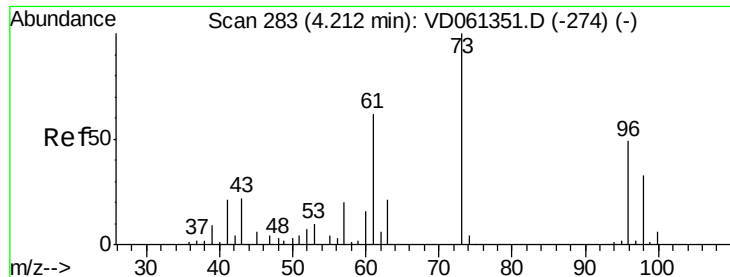
74 22.7 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

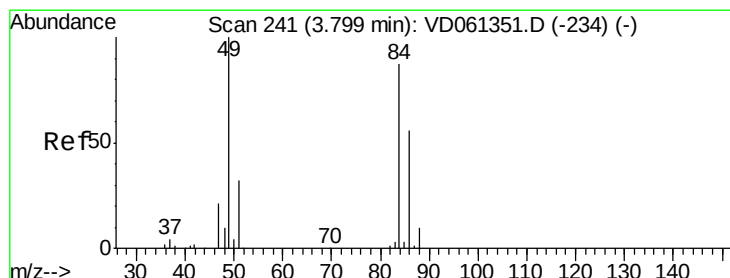
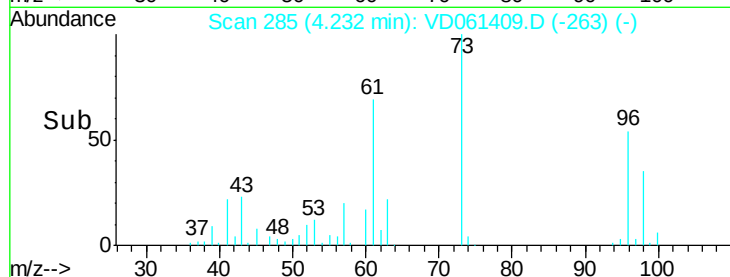
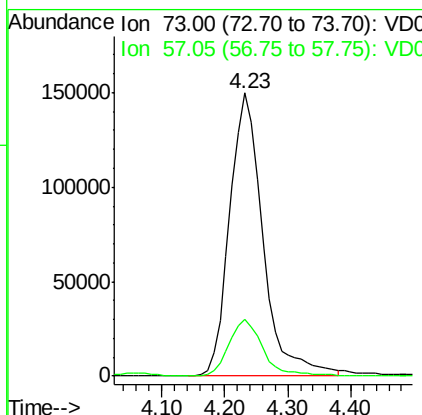
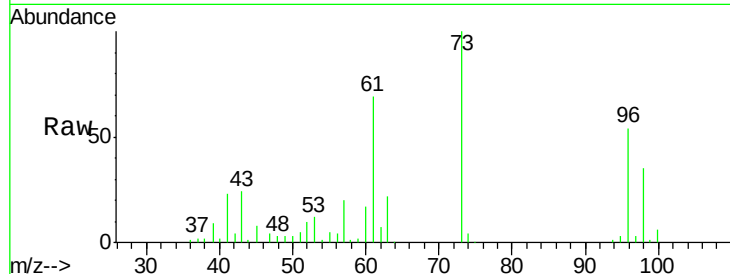




#19
Methyl tert-butyl Ether
Concen: 45.581 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

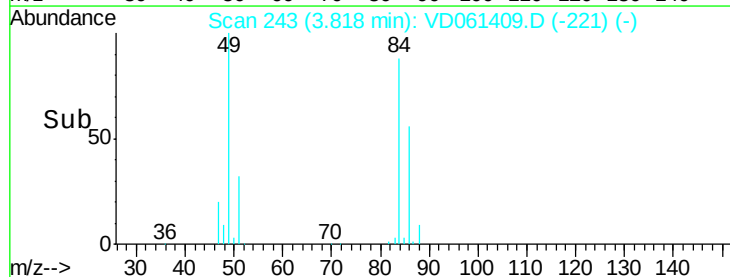
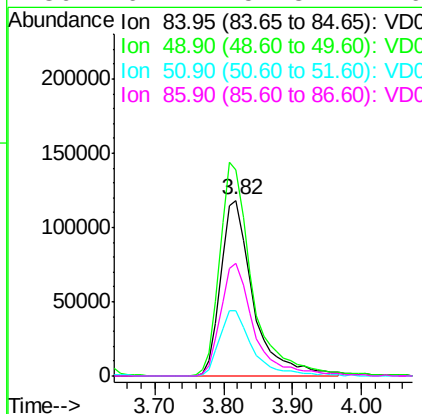
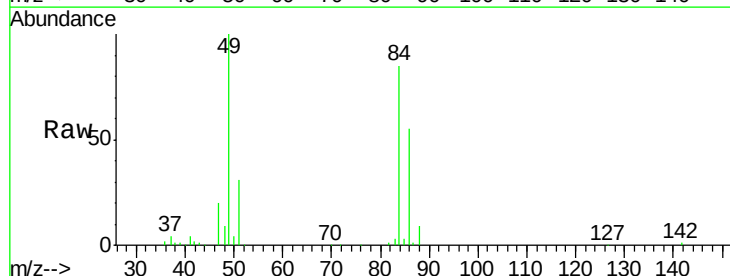
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

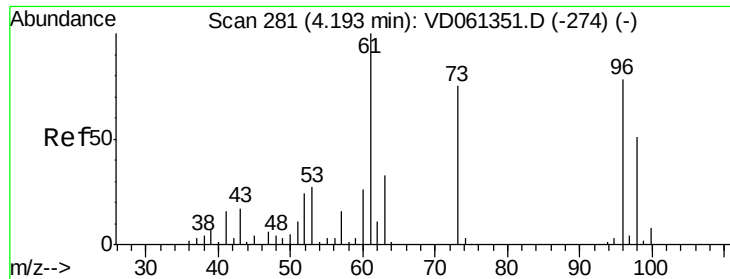
Tot Ion: 73 Resp: 549487
Ion Ratio Lower Upper
73 100
57 20.2 16.4 24.6



#20
Methylene Chloride
Concen: 48.532 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 84 Resp: 387818
Ion Ratio Lower Upper
84 100
49 117.3 91.8 137.8
51 36.9 29.8 44.8
86 64.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 44.513 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

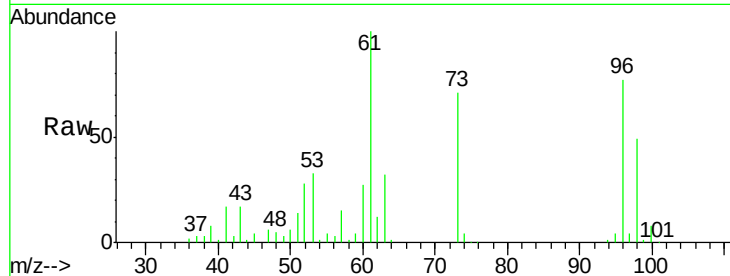
Tot Ion: 96 Resp: 334690

Ion Ratio Lower Upper

96 100

61 130.4 102.7 154.1

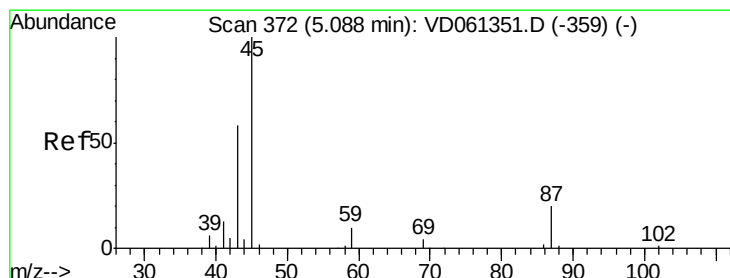
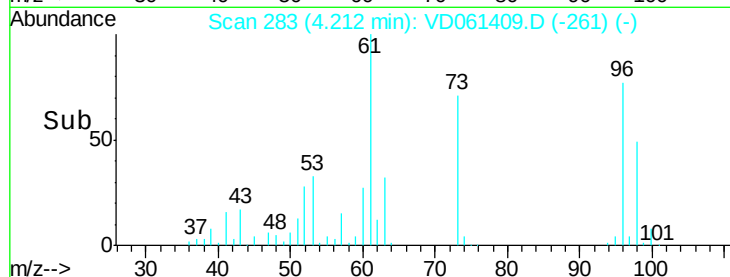
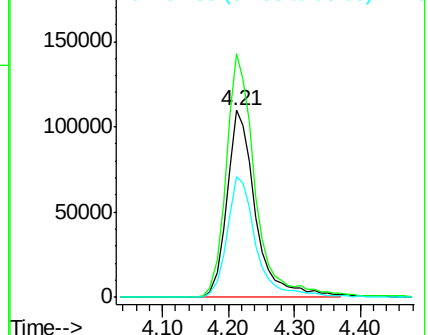
98 64.4 52.2 78.4



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: 48.032 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.03 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Tgt Ion: 45 Resp: 987311

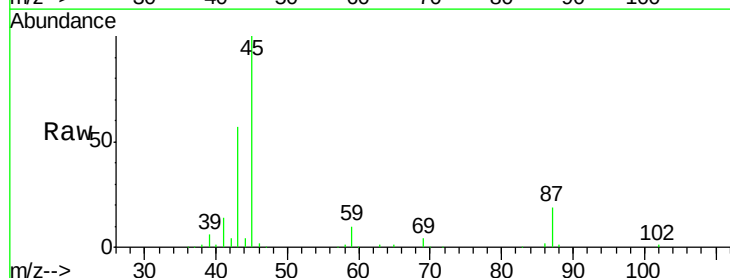
Ion Ratio Lower Upper

45 100

43 56.7 47.4 71.2

87 19.5 16.3 24.5

59 9.8 8.4 12.6

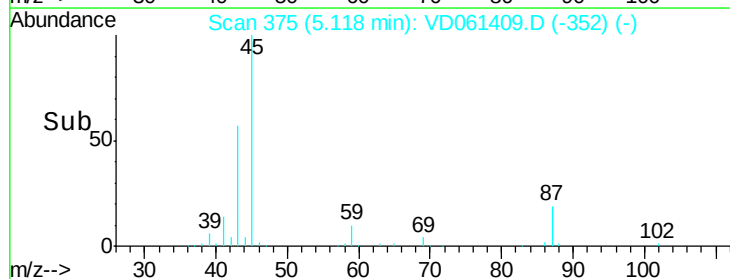
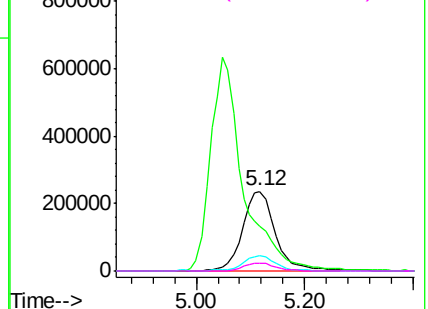


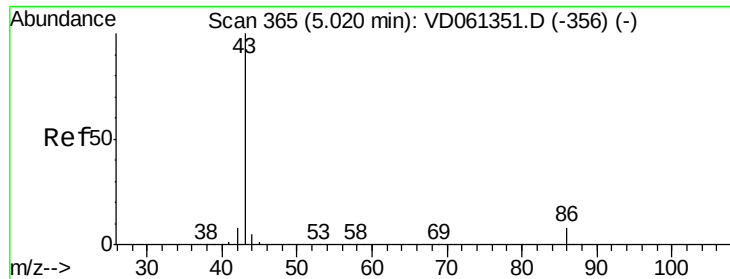
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 234.637 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.03 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

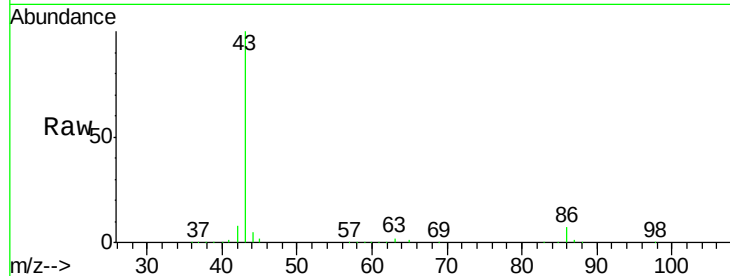
VSTDCCC050EC

Tot Ion: 43 Resp: 2619871

Ion Ratio Lower Upper

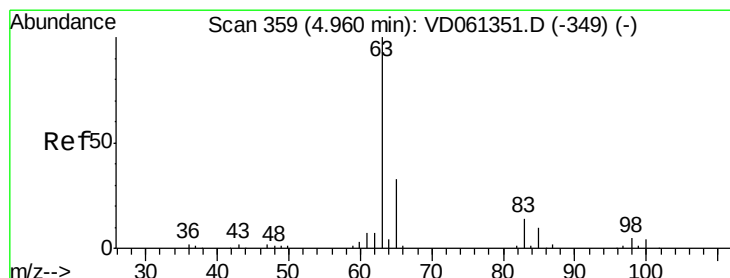
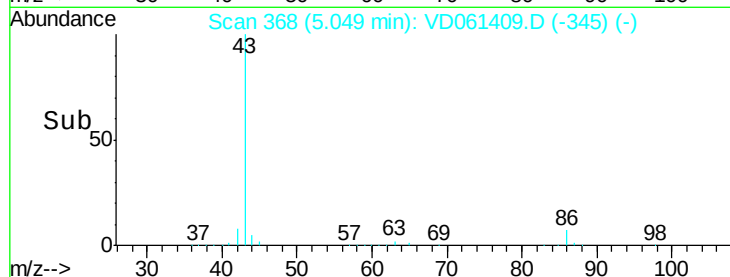
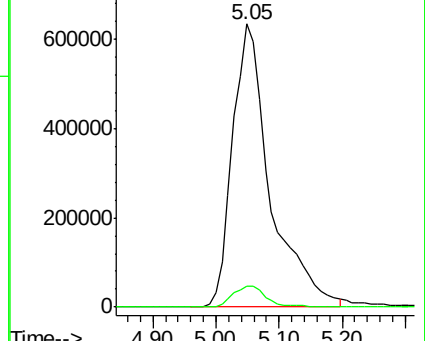
43 100

86 7.4 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.497 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

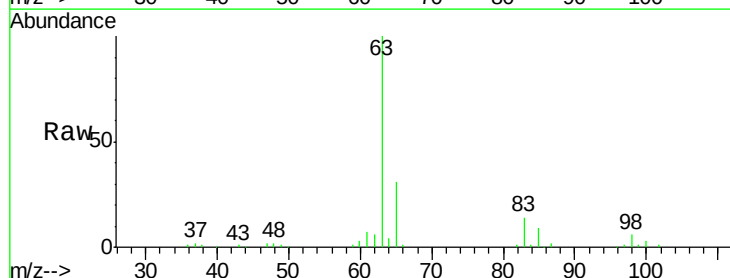
Tgt Ion: 63 Resp: 597933

Ion Ratio Lower Upper

63 100

98 5.7 2.6 8.0

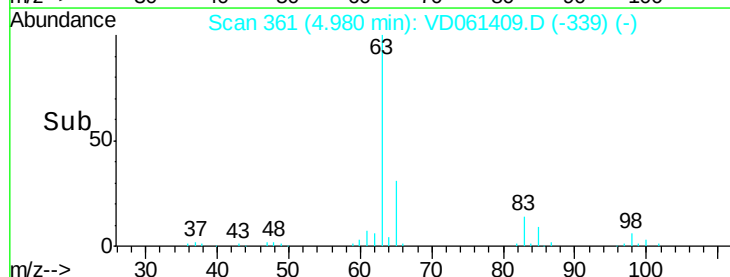
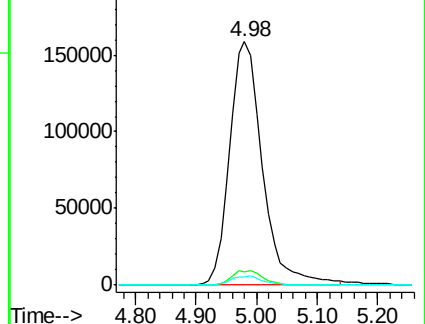
100 3.4 1.8 5.3

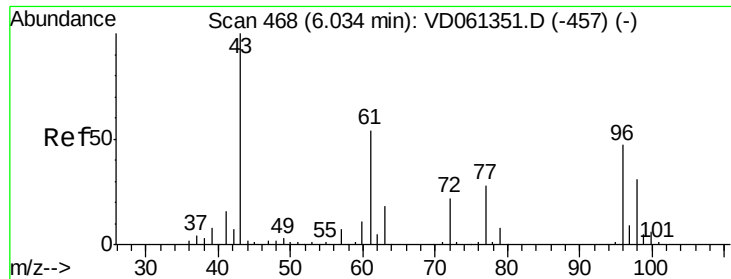


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

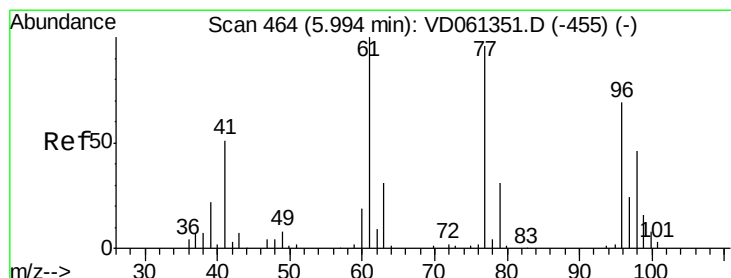
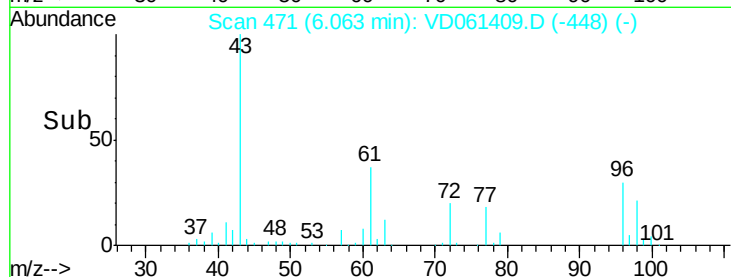
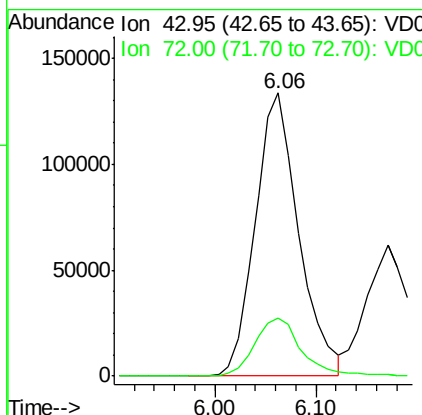
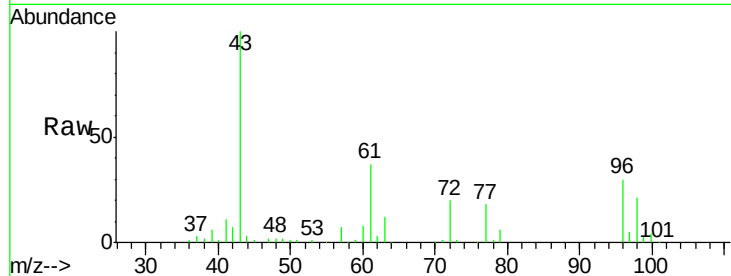




#25
2-Butanone
Concen: 222.690 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.03 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

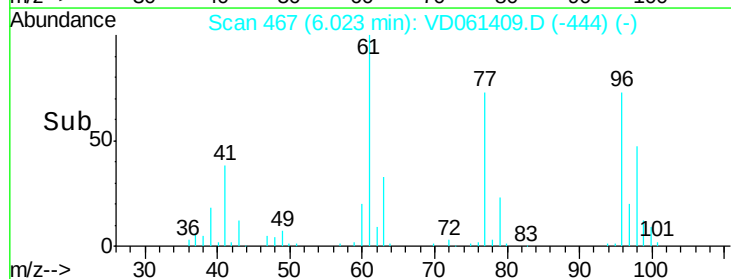
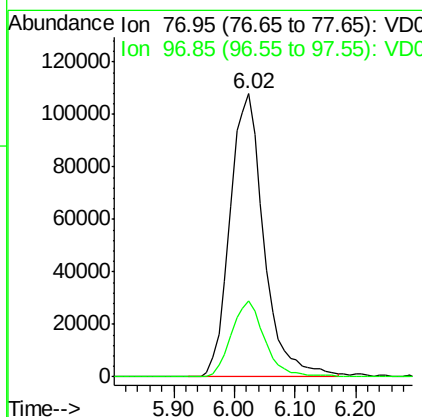
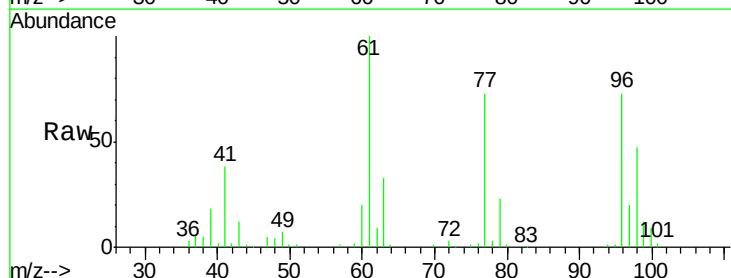
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

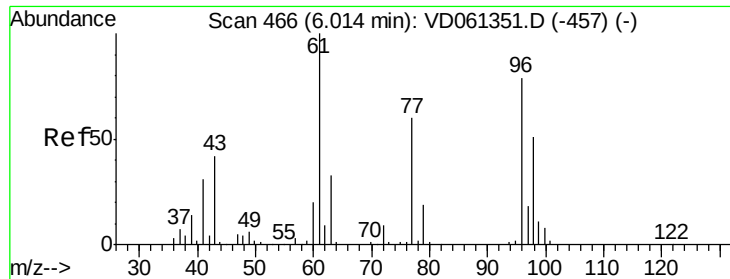
Tot Ion: 43 Resp: 399124
Ion Ratio Lower Upper
43 100
72 20.5 17.2 25.8



#26
2,2-Dichloropropane
Concen: 43.721 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.03 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 77 Resp: 419861
Ion Ratio Lower Upper
77 100
97 26.9 12.7 38.0



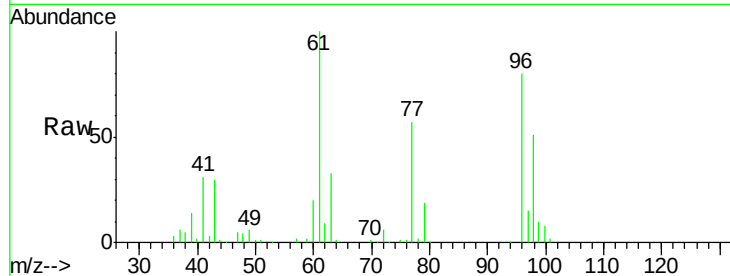


#27

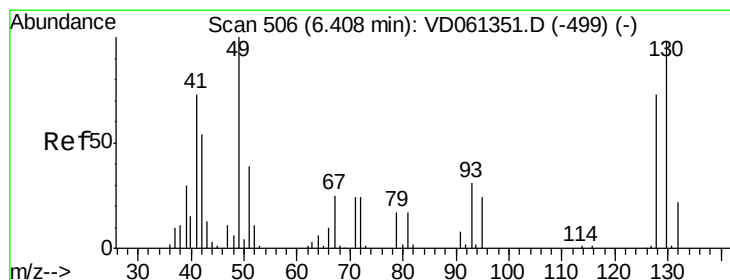
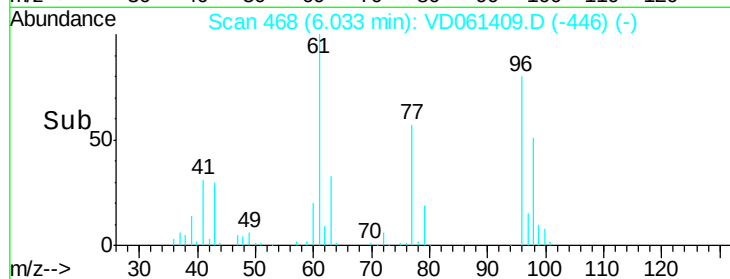
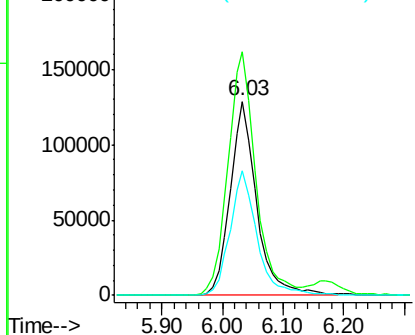
cis-1,2-Dichloroethene
Concen: 47.525 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 391511
Ion Ratio Lower Upper
96 100
61 125.6 0.0 251.6
98 64.0 0.0 129.2



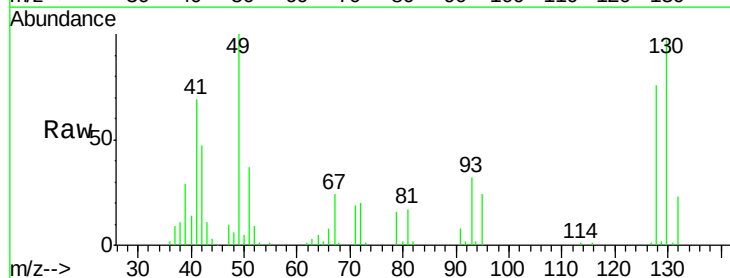
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



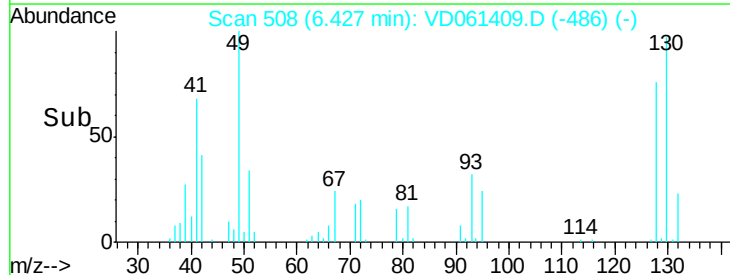
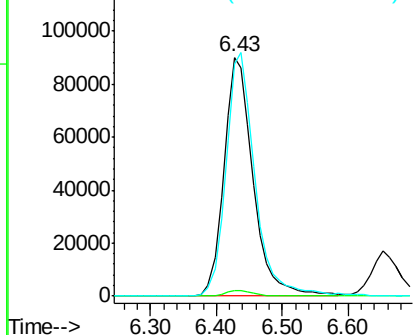
#28

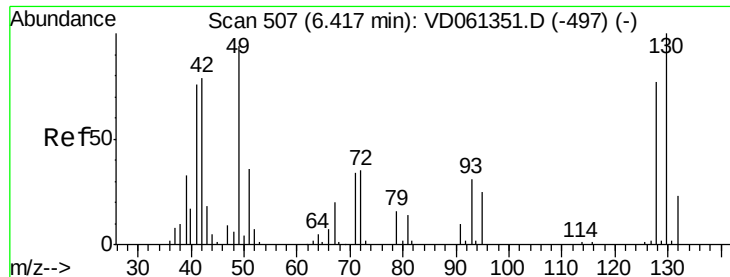
Bromochloromethane
Concen: 57.195 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 49 Resp: 278905
Ion Ratio Lower Upper
49 100
129 2.2 0.0 0.0#
130 97.2 78.4 117.6



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





#29

Tetrahydrofuran

Concen: 256.274 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.03 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

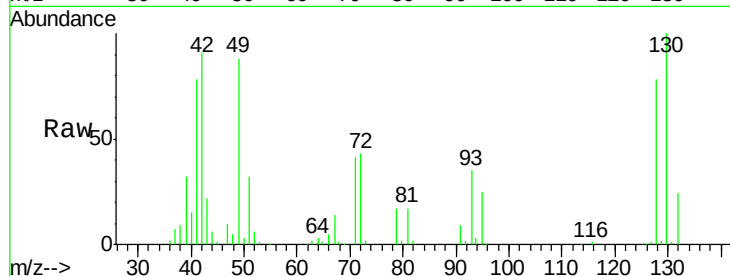
Tot Ion: 42 Resp: 222628

Ion Ratio Lower Upper

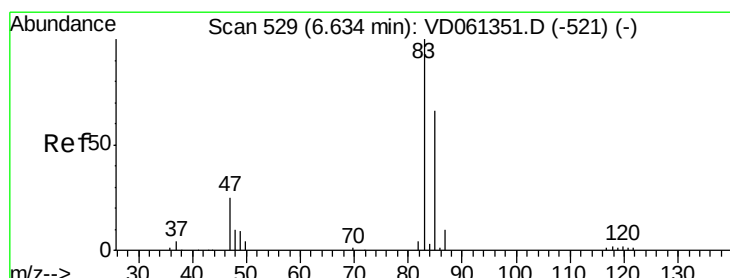
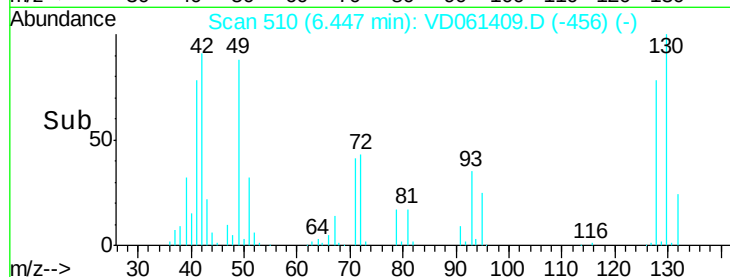
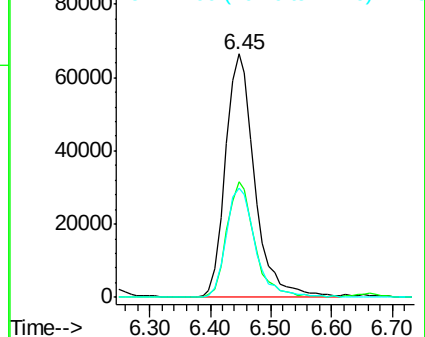
42 100

72 45.2 37.4 56.0

71 44.6 36.7 55.1



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: 48.536 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.02 min

Lab File: VD061409.D

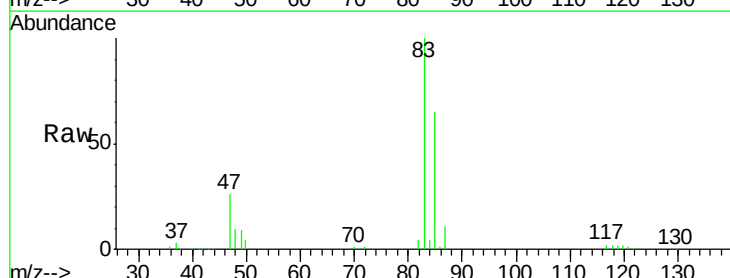
Acq: 29 Mar 2019 00:09

Tgt Ion: 83 Resp: 605837

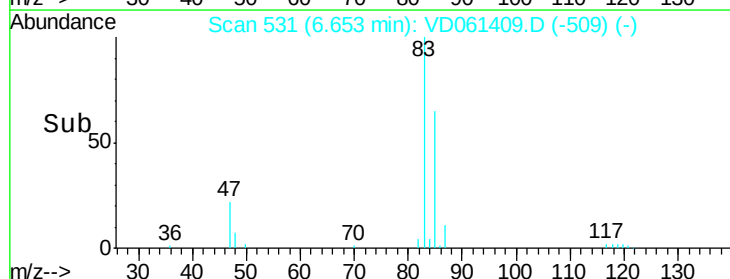
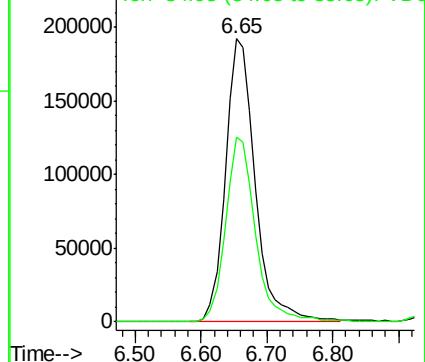
Ion Ratio Lower Upper

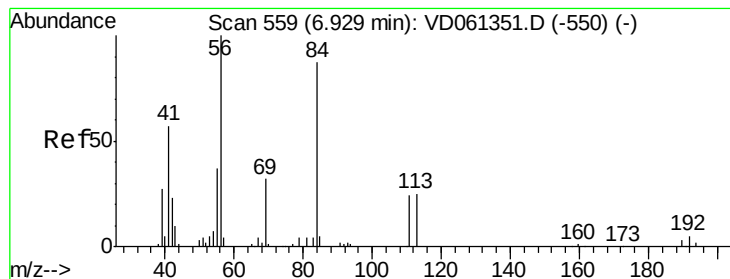
83 100

85 65.5 53.0 79.4



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





#31

Cyclohexane

Concen: 47.596 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

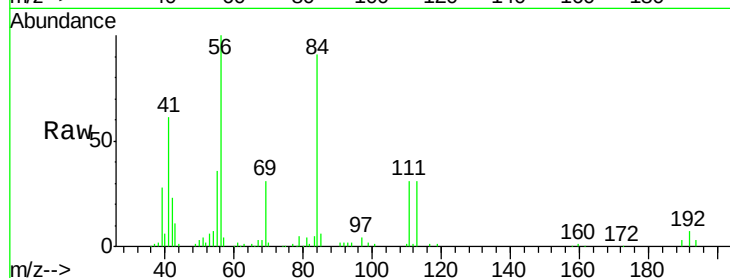
Tot Ion: 56 Resp: 454359

Ion Ratio Lower Upper

56 100

69 31.5 25.7 38.5

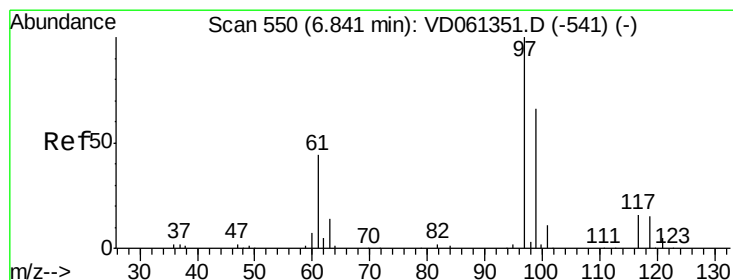
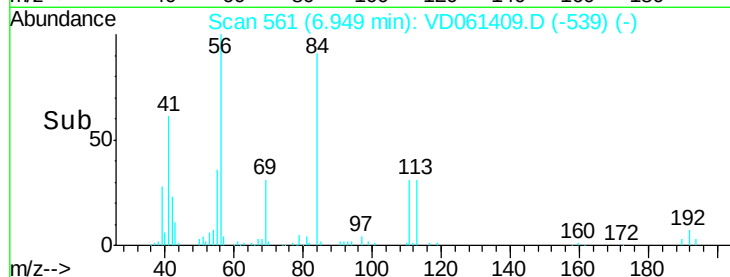
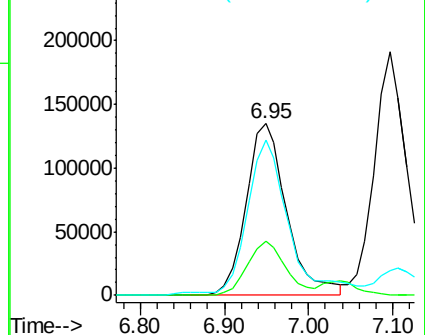
84 90.6 70.6 105.8



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: 47.980 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

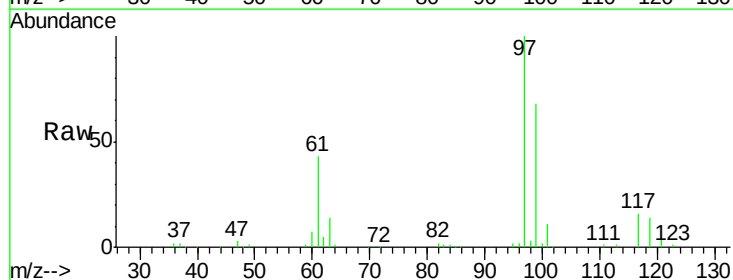
Tgt Ion: 97 Resp: 528358

Ion Ratio Lower Upper

97 100

99 68.1 53.1 79.7

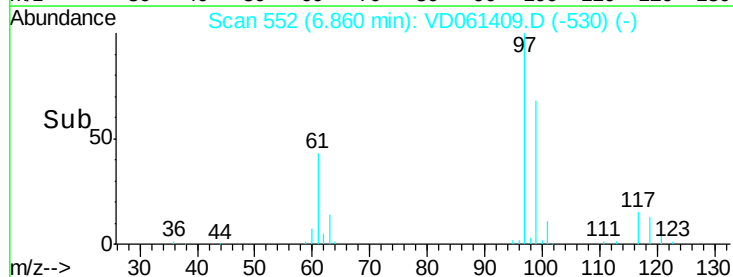
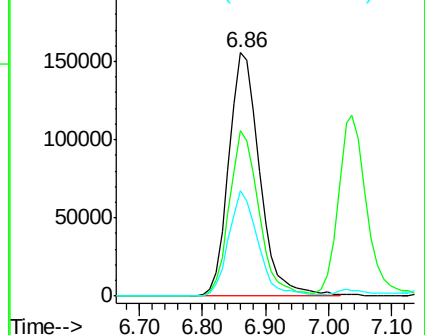
61 43.4 35.5 53.3

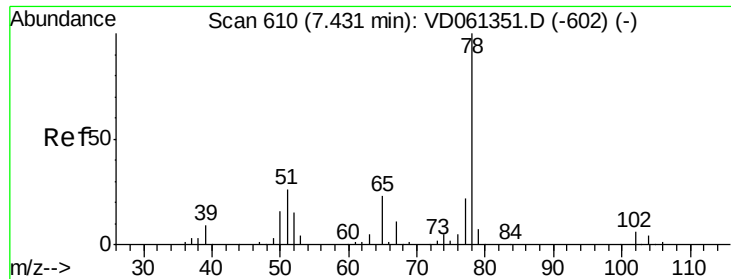


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

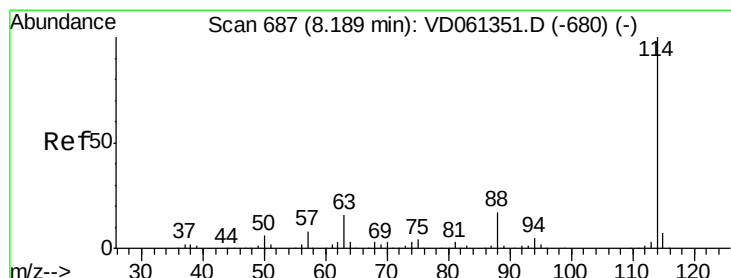
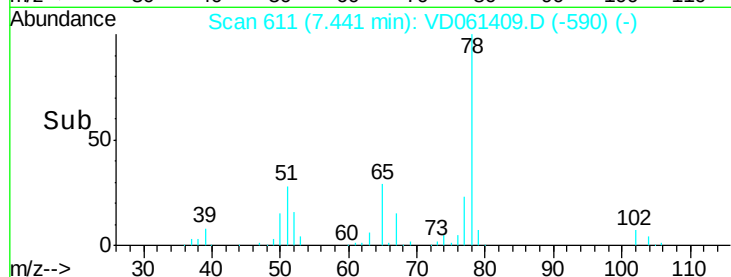
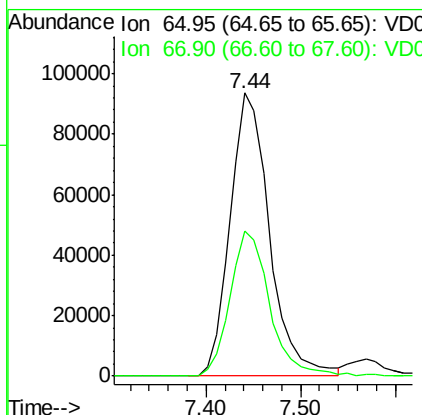
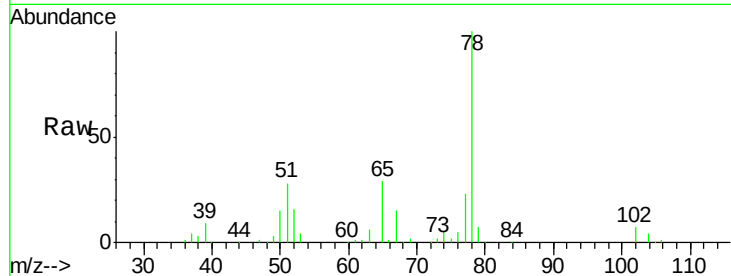




#33
 1,2-Dichloroethane-d4
 Concen: 47.980 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

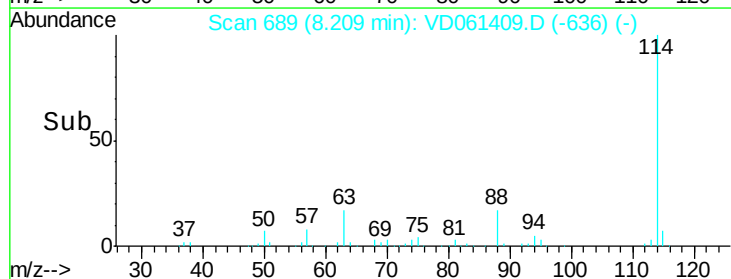
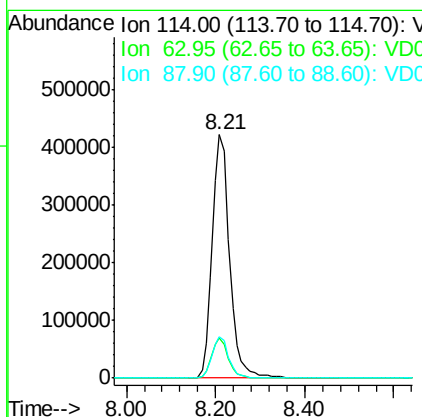
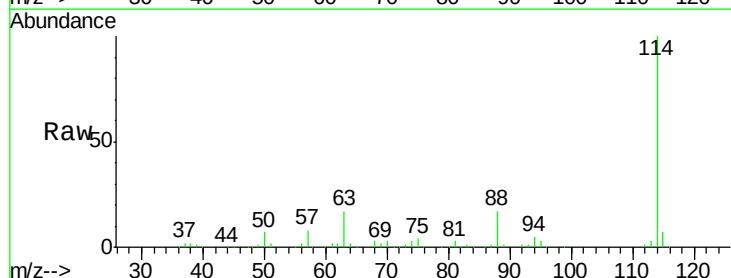
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

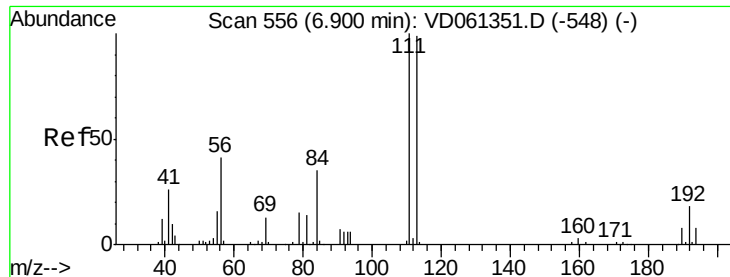
Tot Ion: 65 Resp: 270569
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion: 114 Resp: 1138600
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 31.6
 88 16.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

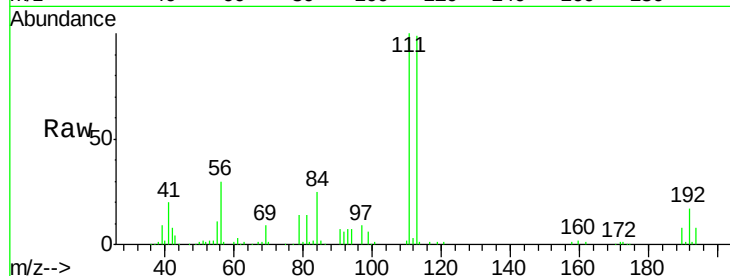
Tot Ion:113 Resp: 454038

Ion Ratio Lower Upper

113 100

111 100.7 81.0 121.6

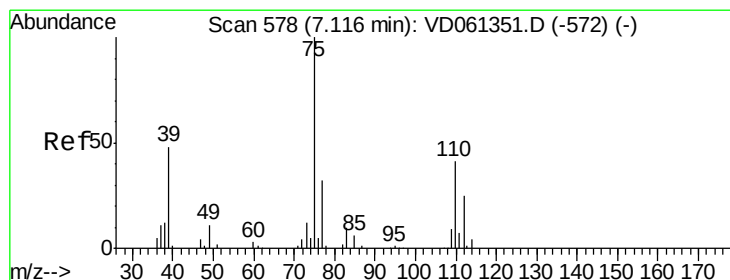
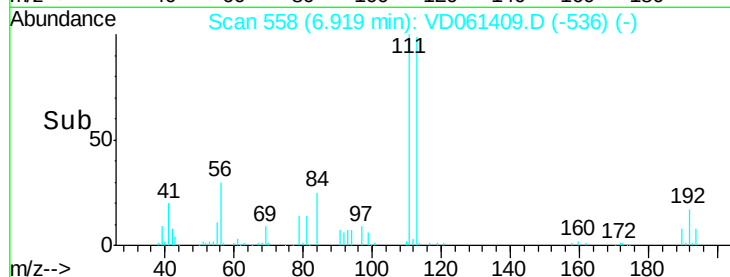
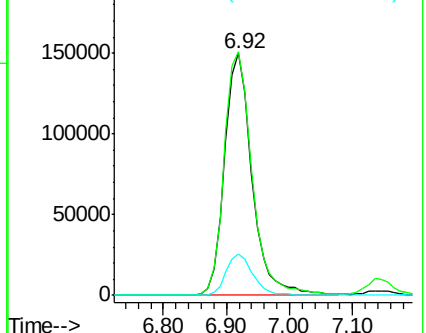
192 17.2 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 40.990 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

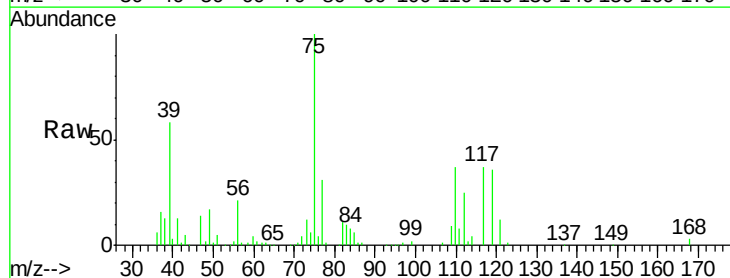
Tgt Ion: 75 Resp: 407332

Ion Ratio Lower Upper

75 100

110 37.3 20.4 61.3

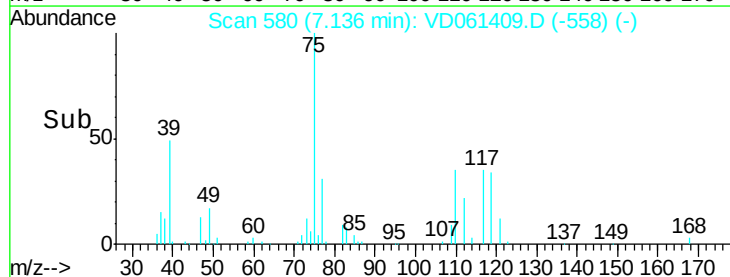
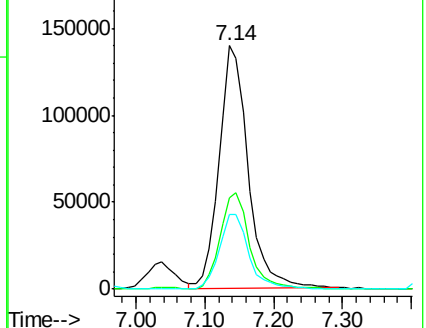
77 30.9 24.9 37.3

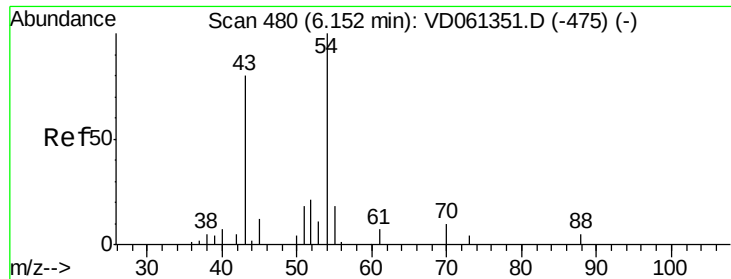


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

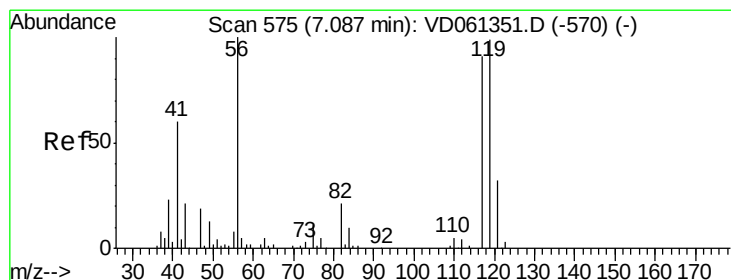
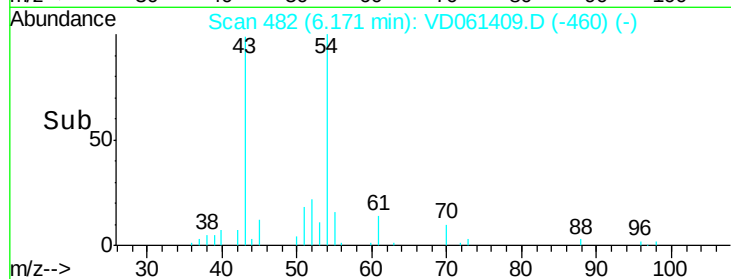
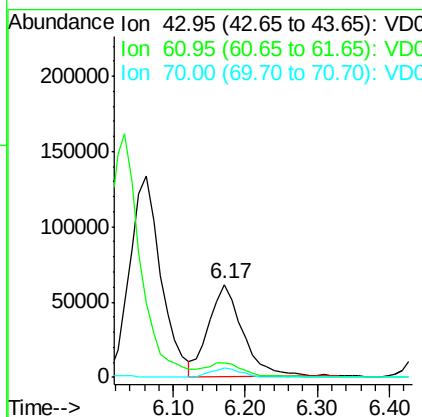
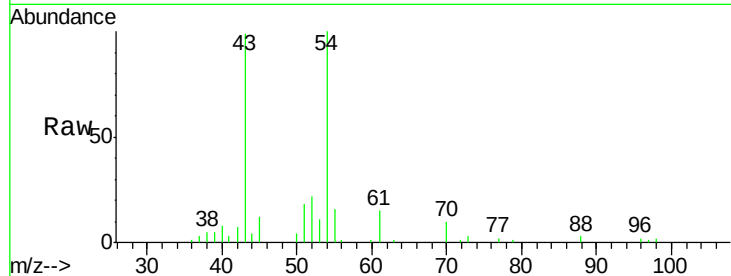




#37
Ethyl Acetate
Concen: 47.129 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

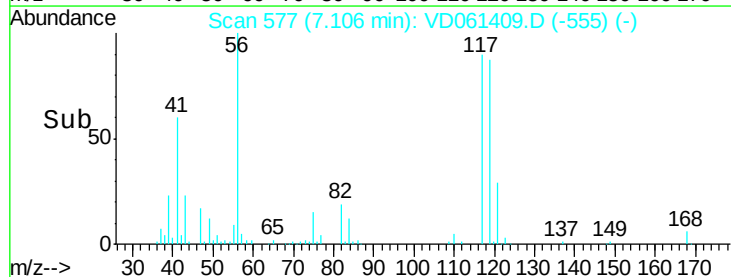
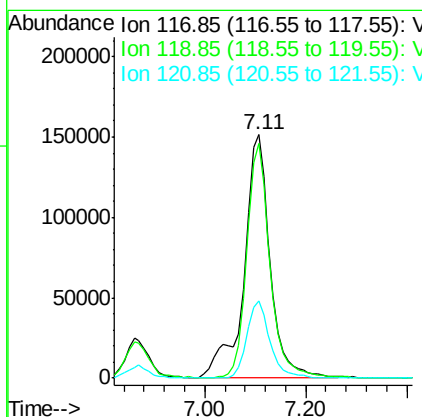
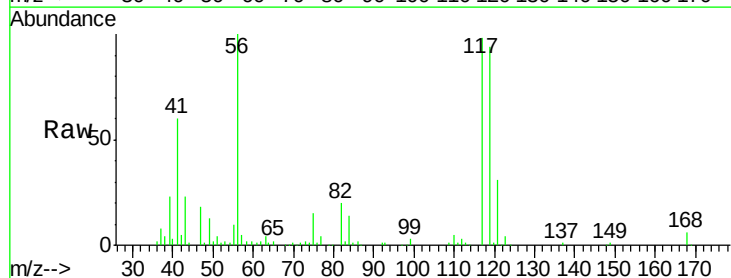
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

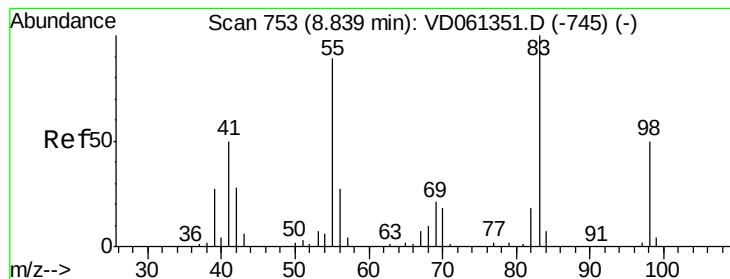
Tot Ion: 43 Resp: 200297
Ion Ratio Lower Upper
43 100
61 15.2 13.8 20.8
70 9.9 7.8 11.8



#38
Carbon Tetrachloride
Concen: 47.262 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 117 Resp: 539686
Ion Ratio Lower Upper
117 100
119 96.3 80.1 120.1
121 31.6 25.6 38.4





#39

Methylvlcyclohexane

Concen: 45.403 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

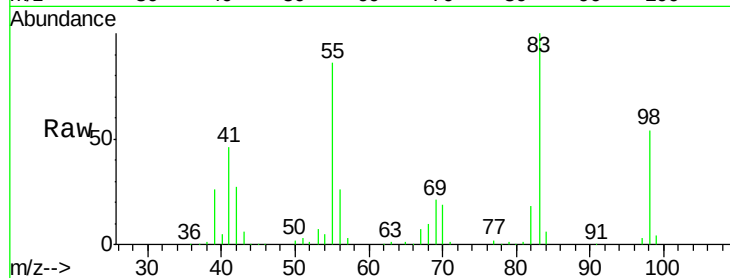
Tot Ion: 83 Resp: 469911

Ion Ratio Lower Upper

83 100

55 85.9 71.5 107.3

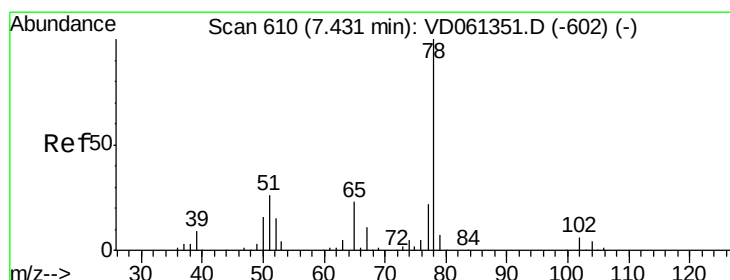
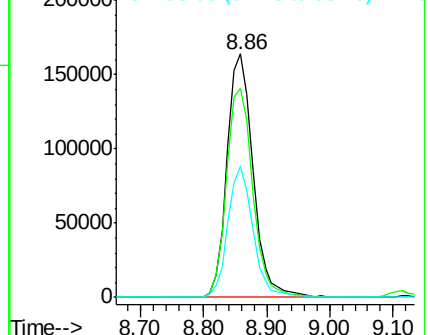
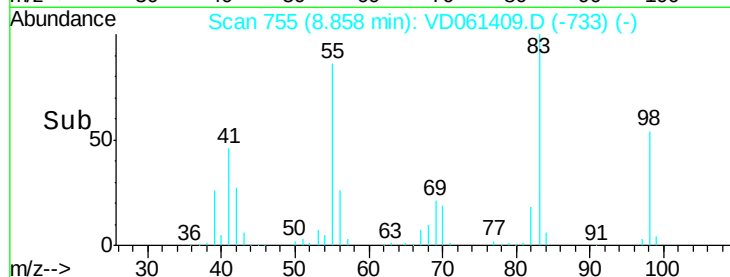
98 53.8 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 41.387 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD061409.D

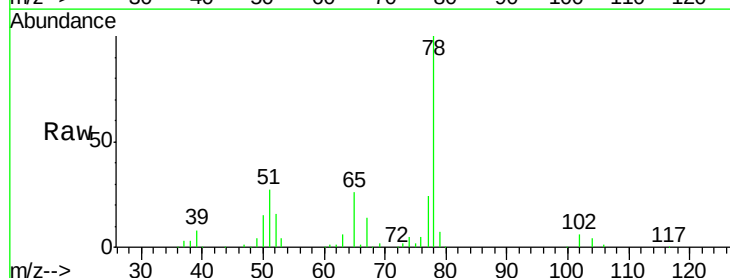
Acq: 29 Mar 2019 00:09

Tgt Ion: 78 Resp: 1032207

Ion Ratio Lower Upper

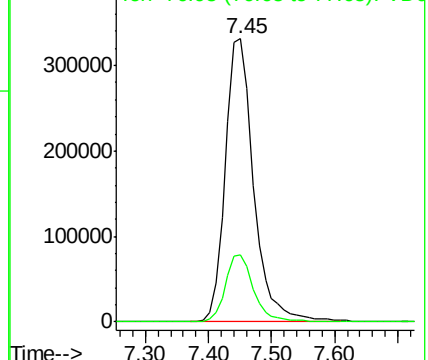
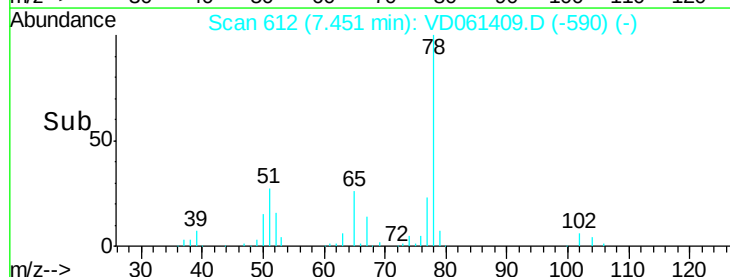
78 100

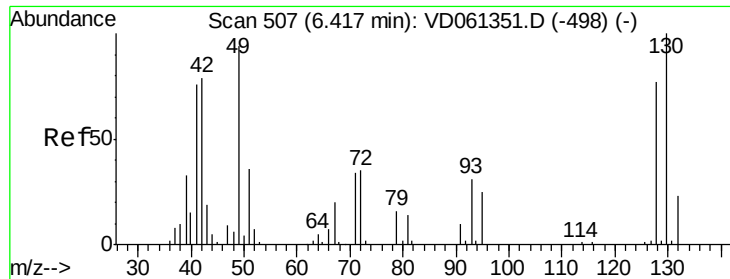
77 23.6 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

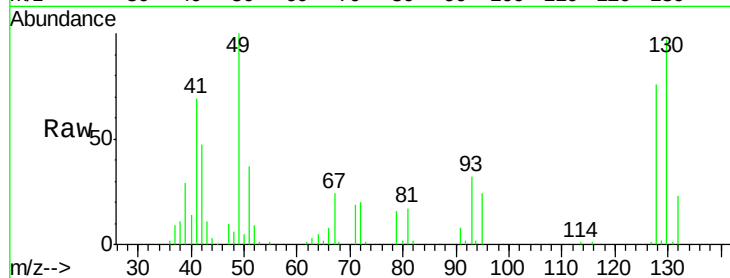




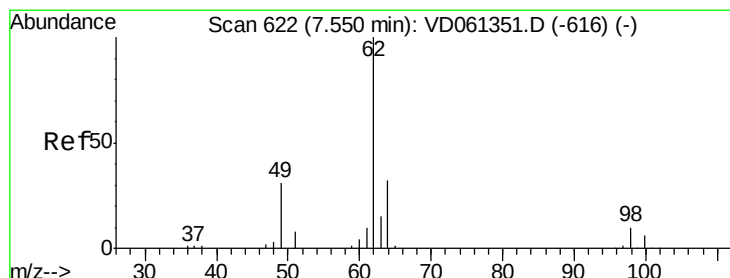
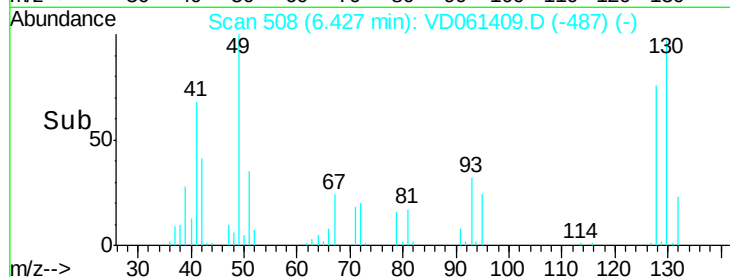
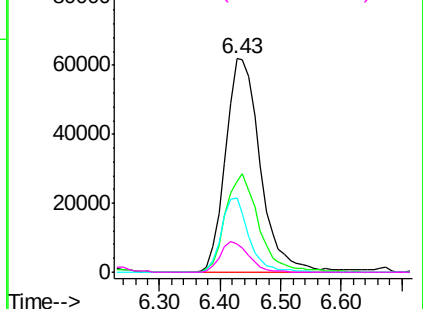
#41
Methacrylonitrile
Concen: 49.780 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 247369
Ion Ratio Lower Upper
41 100
39 42.6 35.0 52.6
67 34.9 21.0 31.6#
52 13.4 7.7 11.5#

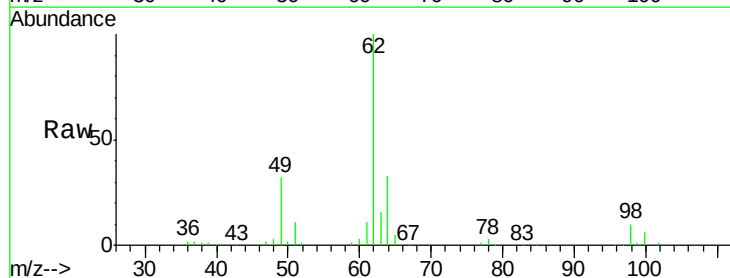


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

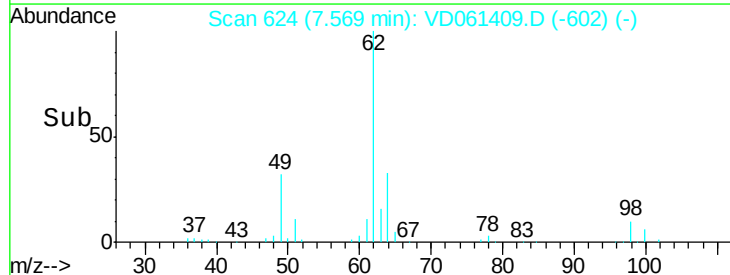
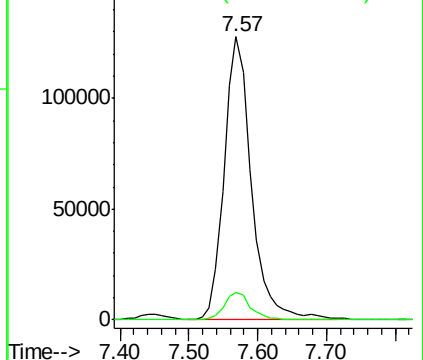


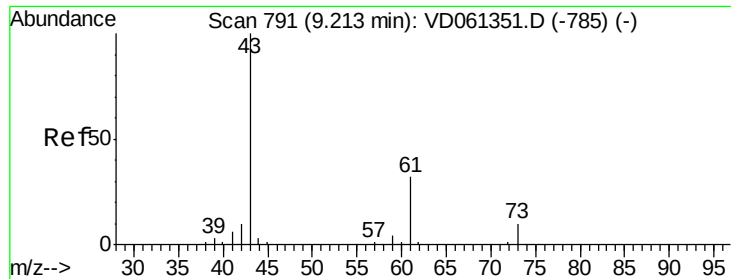
#42
1,2-Dichloroethane
Concen: 46.878 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 62 Resp: 349719
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.8



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



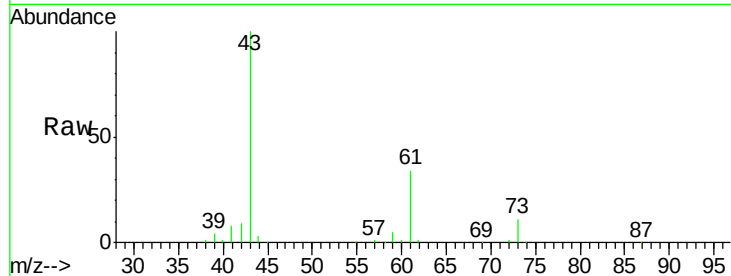


#43

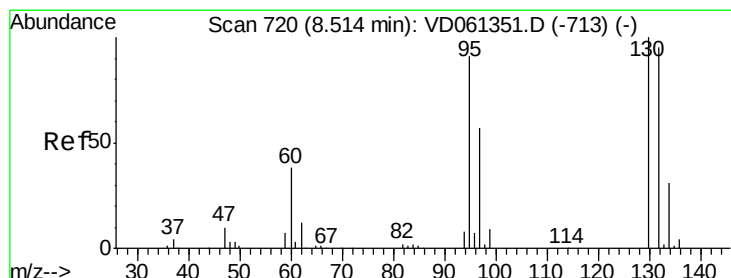
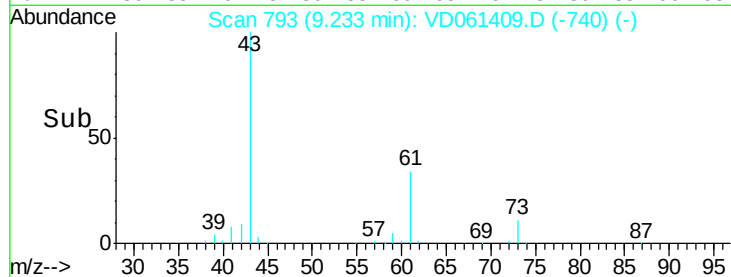
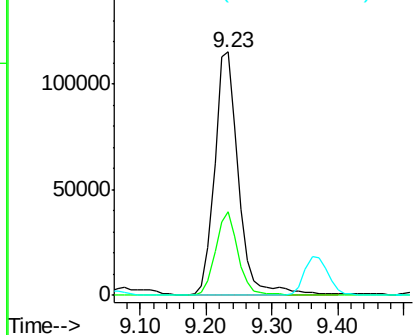
Isopropyl Acetate
 Concen: 46.982 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.02 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 290521
 Ion Ratio Lower Upper
 43 100
 61 34.1 25.8 38.6
 87 0.4 0.0 0.0#



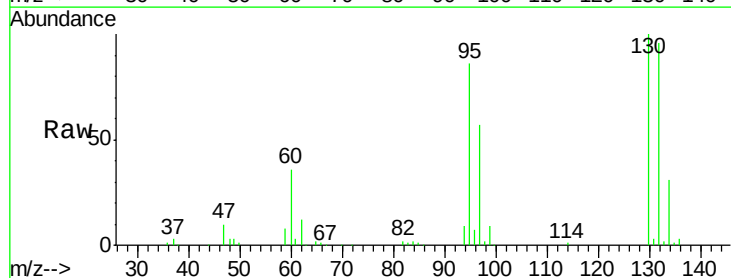
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



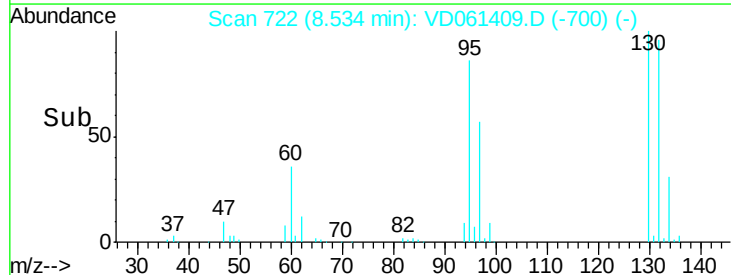
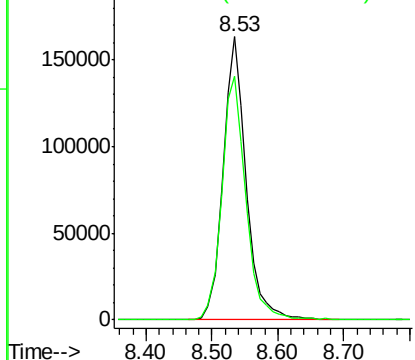
#44

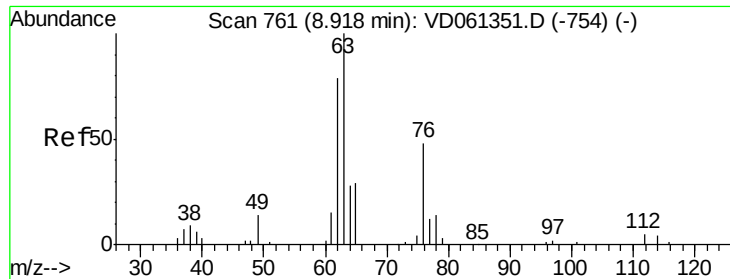
Trichloroethene
 Concen: 43.018 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.02 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion:130 Resp: 399268
 Ion Ratio Lower Upper
 130 100
 95 86.1 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 46.360 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

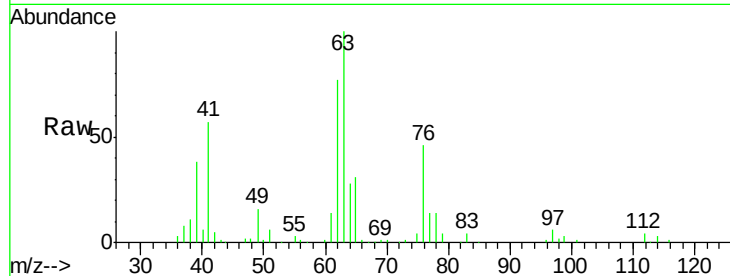
VSTDCCC050EC

Tot Ion: 63 Resp: 293188

Ion Ratio Lower Upper

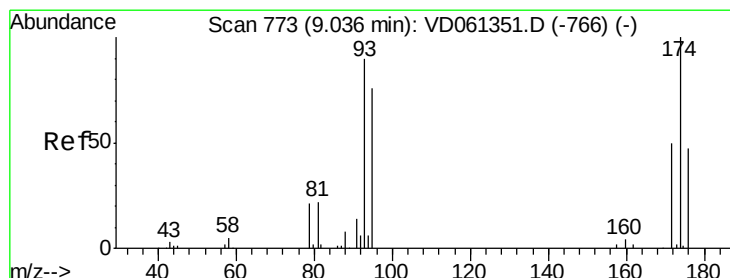
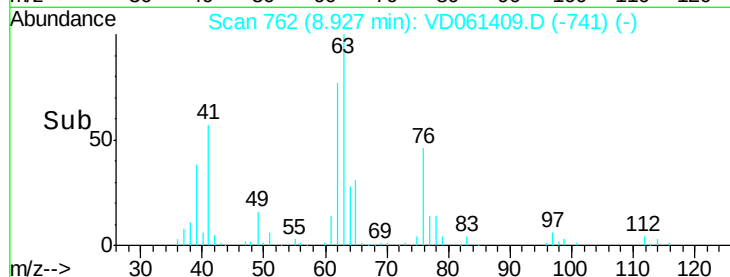
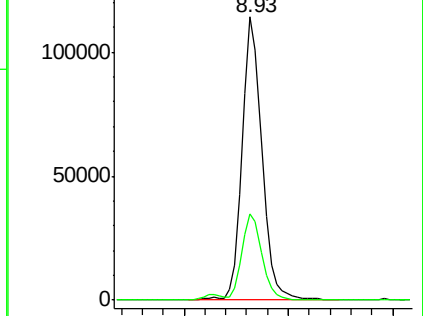
63 100

65 30.7 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 47.142 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

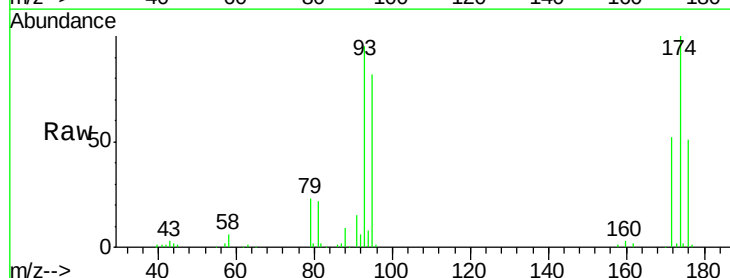
Tgt Ion: 93 Resp: 200666

Ion Ratio Lower Upper

93 100

95 86.9 67.4 101.0

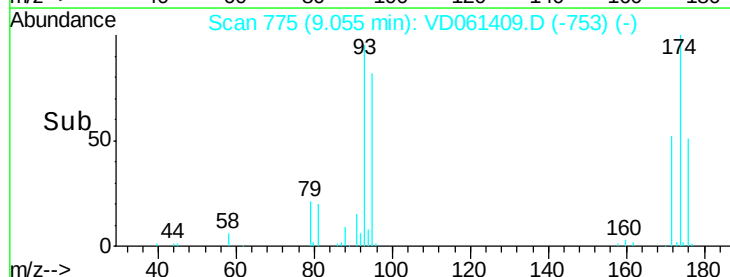
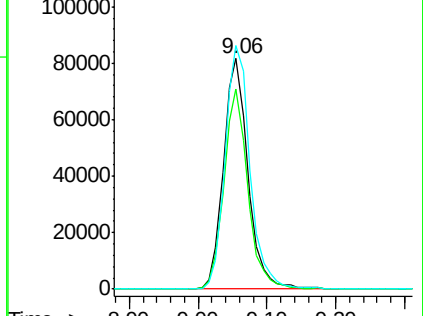
174 105.7 88.9 133.3

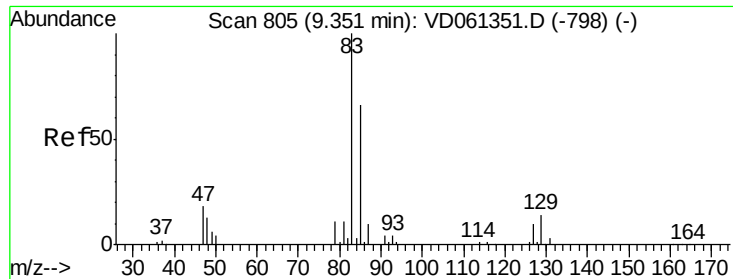


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 47.333 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

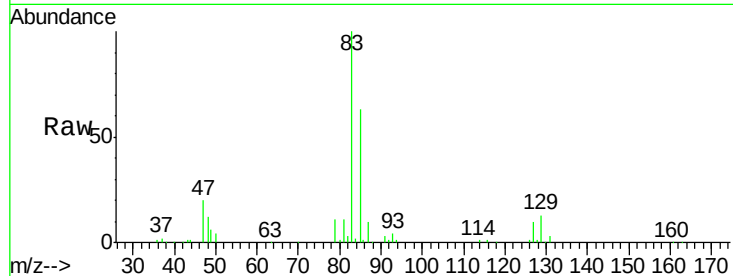
Tot Ion: 83 Resp: 452208

Ion Ratio Lower Upper

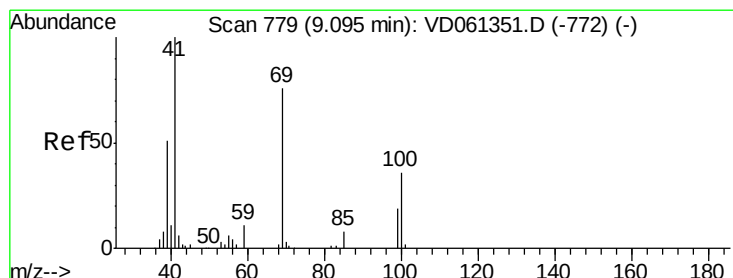
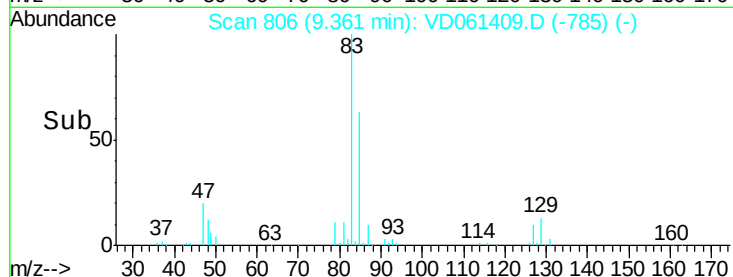
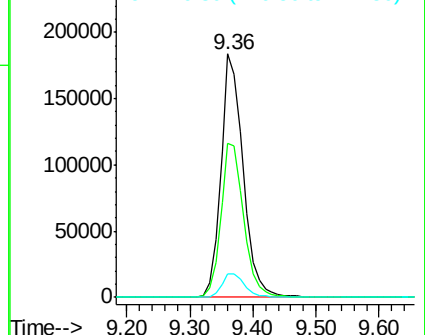
83 100

85 63.1 53.0 79.4

127 9.8 8.4 12.6



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): V



#48

Methyl methacrylate

Concen: 46.129 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

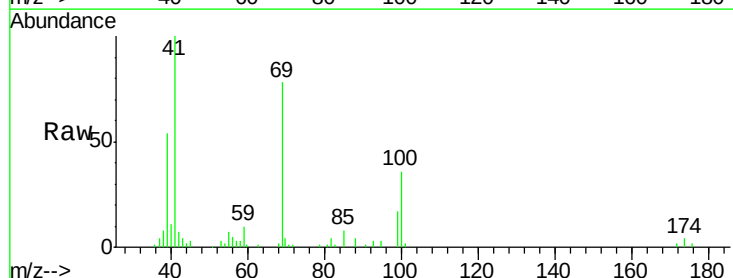
Tgt Ion: 41 Resp: 157423

Ion Ratio Lower Upper

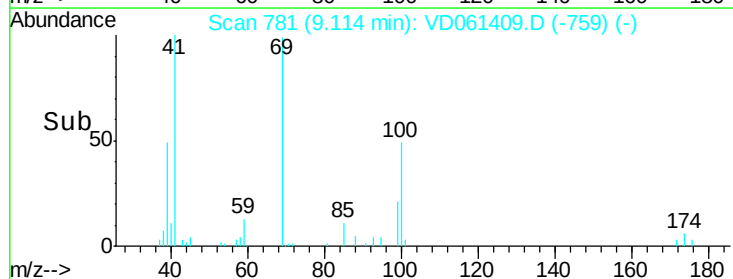
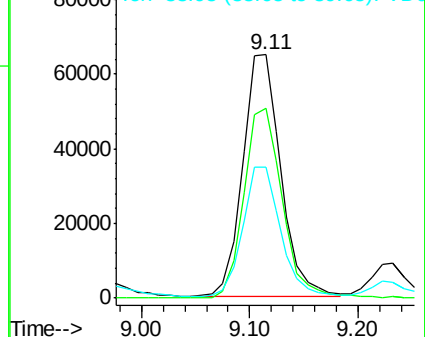
41 100

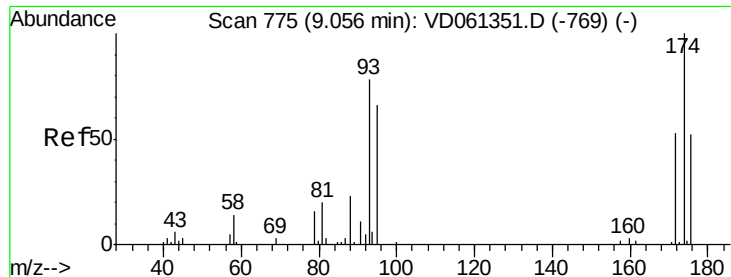
69 78.1 60.2 90.4

39 53.5 41.4 62.2



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

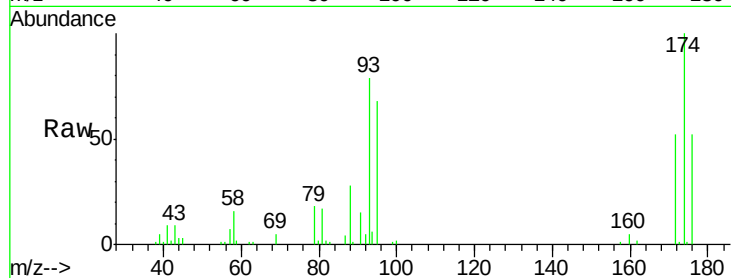




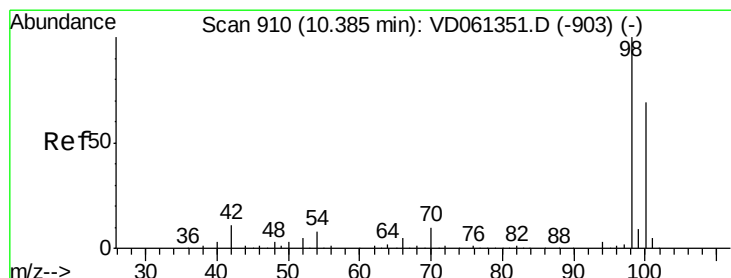
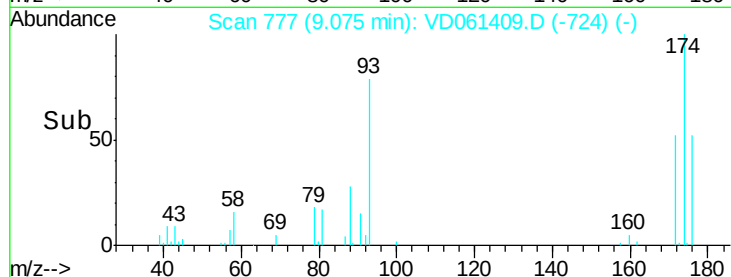
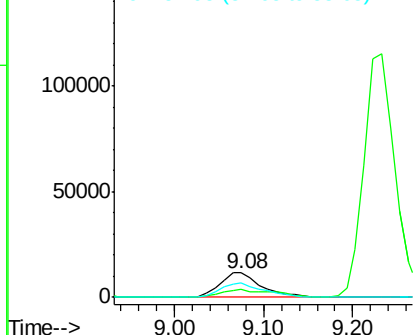
#49
1,4-Dioxane
Concen: 979.208 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 36859
Ion Ratio Lower Upper
88 100
43 31.4 23.3 34.9
58 58.0 50.8 76.2

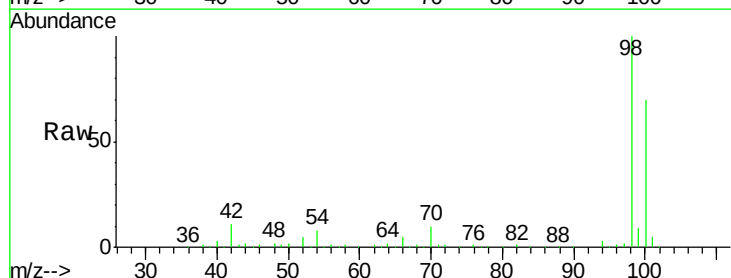


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

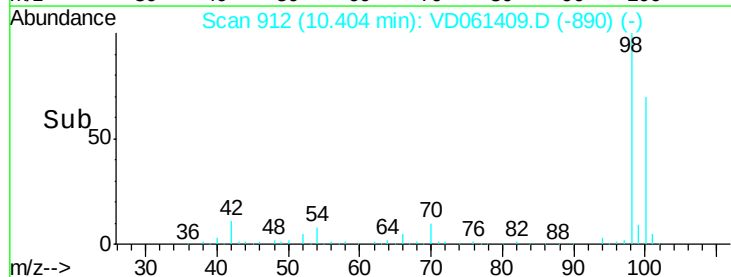
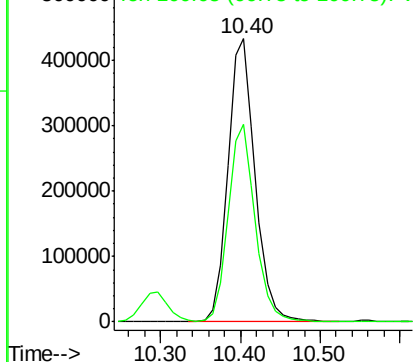


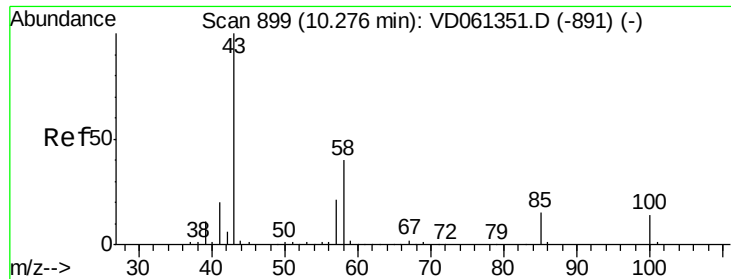
#50
Toluene-d8
Concen: 979.208 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 98 Resp: 1033663
Ion Ratio Lower Upper
98 100
100 69.9 56.2 84.2



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: 231.692 ug/l

RT: 10.29 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

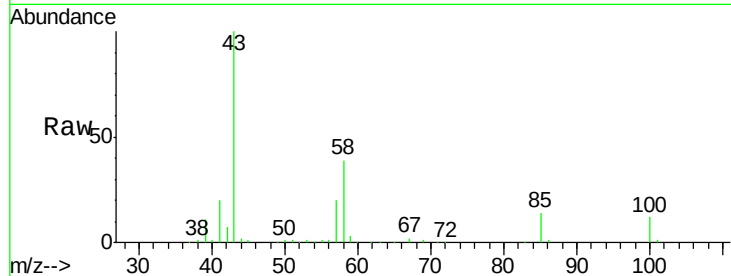
VSTDCCC050EC

Tot Ion: 43 Resp: 871648

Ion Ratio Lower Upper

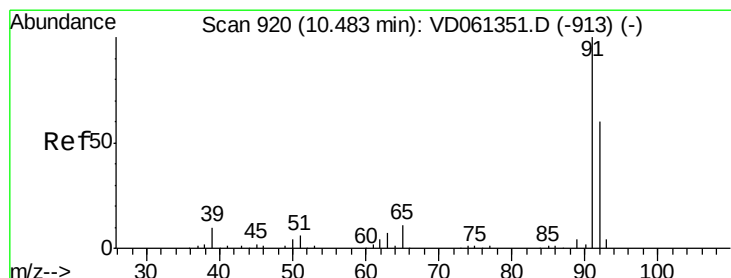
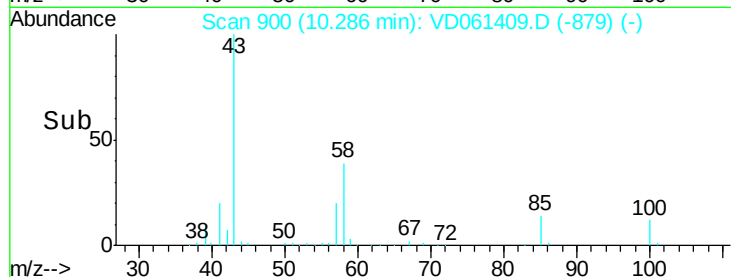
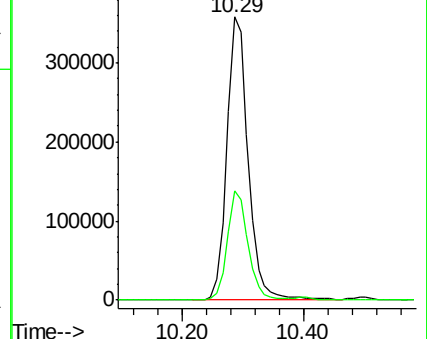
43 100

58 38.7 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 45.387 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.02 min

Lab File: VD061409.D

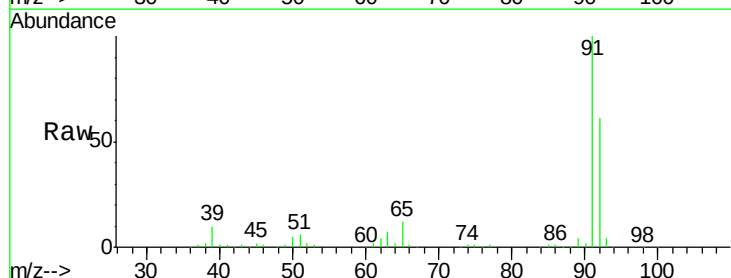
Acq: 29 Mar 2019 00:09

Tgt Ion: 92 Resp: 690583

Ion Ratio Lower Upper

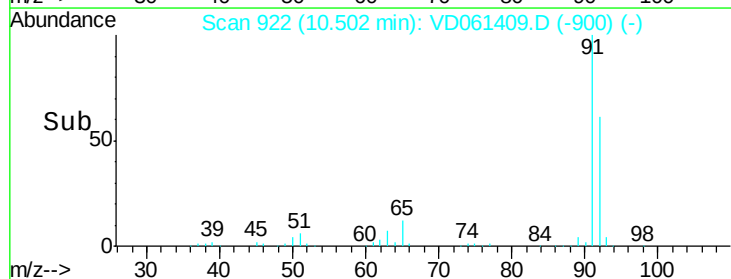
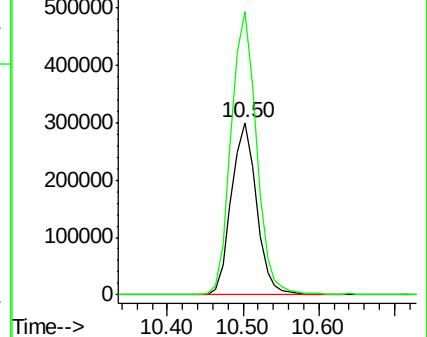
92 100

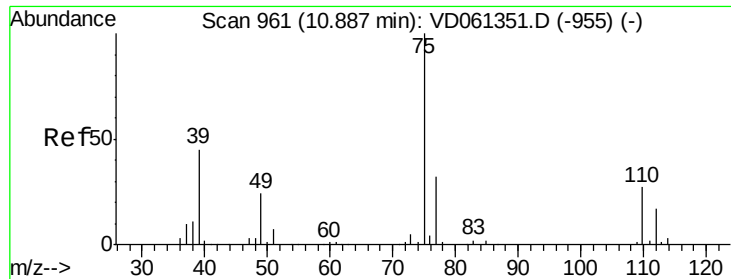
91 164.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

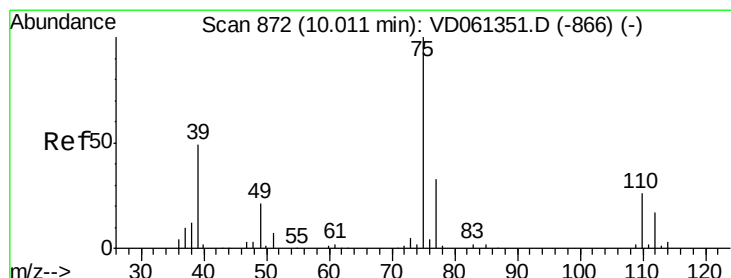
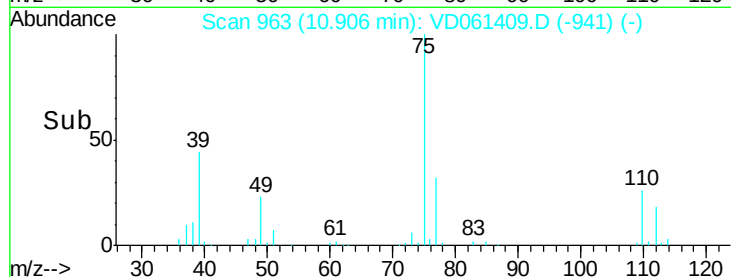
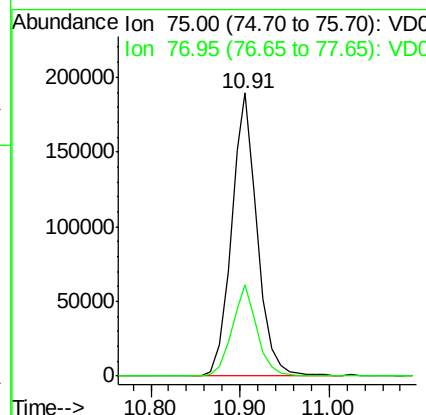
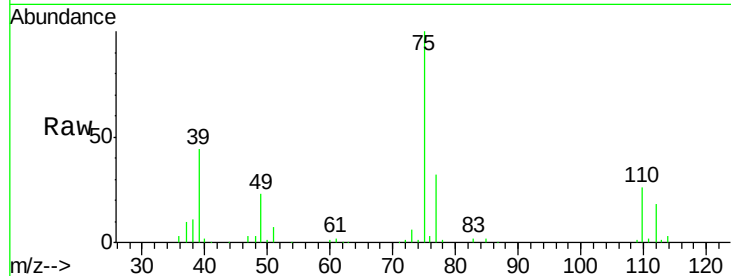




#53
 t-1,3-Dichloropropene
 Concen: 43.967 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.02 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

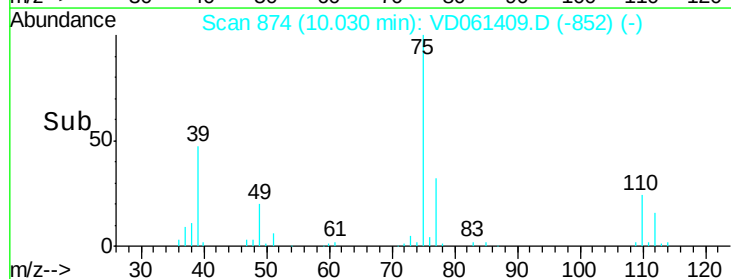
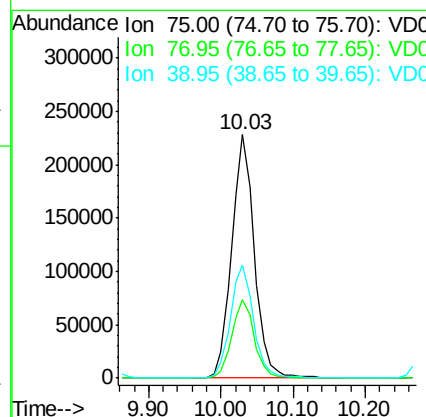
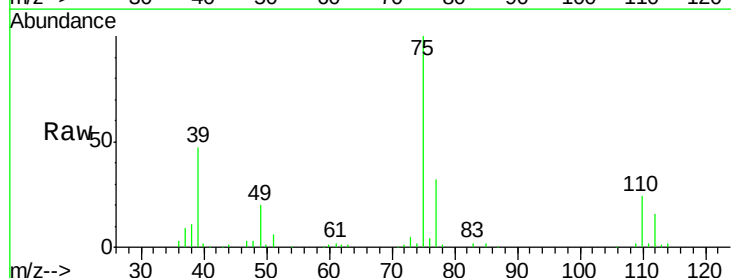
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

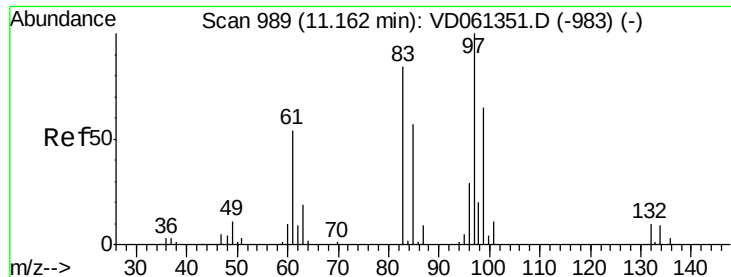
Tot Ion: 75 Resp: 381637
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 47.005 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.02 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion: 75 Resp: 496808
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.4
 39 46.6 39.4 59.0





#55

1,1,2-Trichloroethane

Concen: 42.755 ug/l

RT: 11.18 min Scan# 991

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 227507

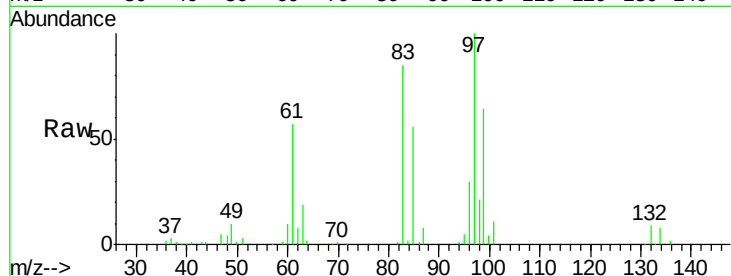
Ion Ratio Lower Upper

97 100

83 84.9 67.0 100.6

85 56.3 45.4 68.2

99 63.5 51.9 77.9

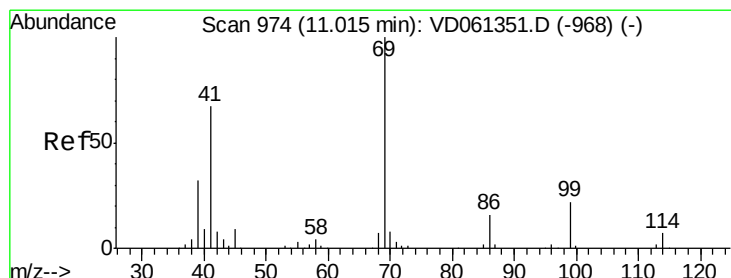
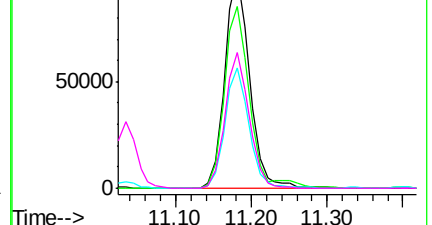
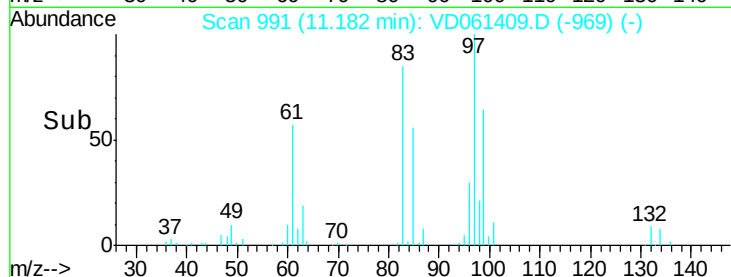


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 48.086 ug/l

RT: 11.03 min Scan# 976

Delta R.T. 0.02 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

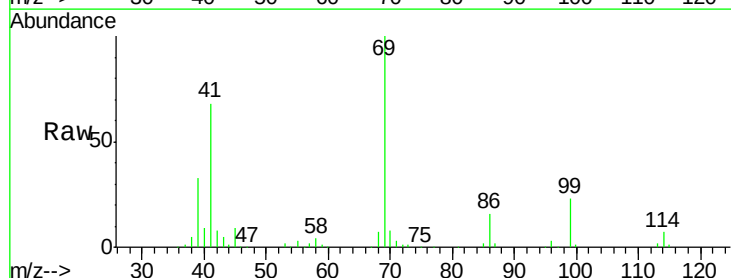
Tgt Ion: 69 Resp: 274876

Ion Ratio Lower Upper

69 100

41 67.7 53.8 80.6

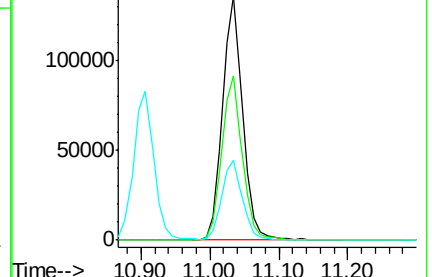
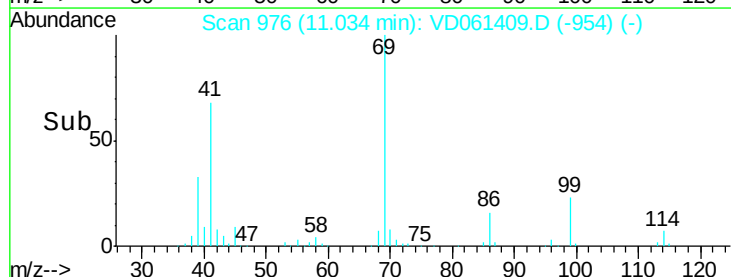
39 32.7 26.4 39.6

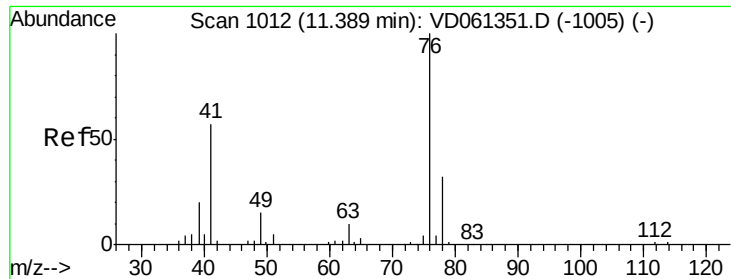


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

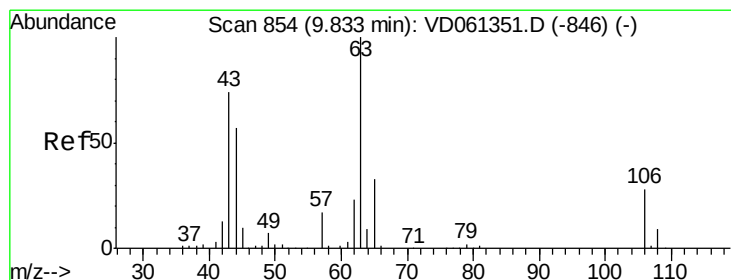
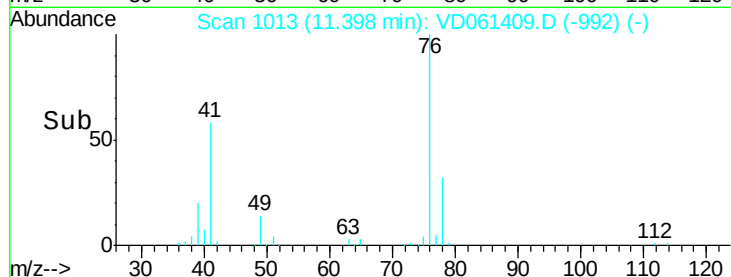
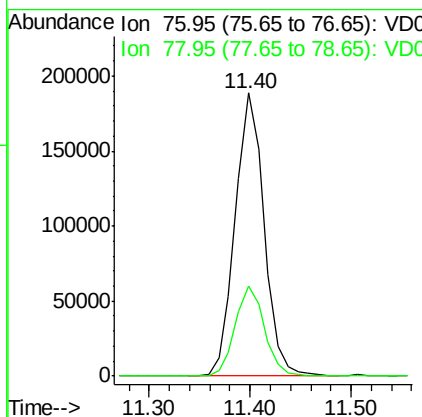
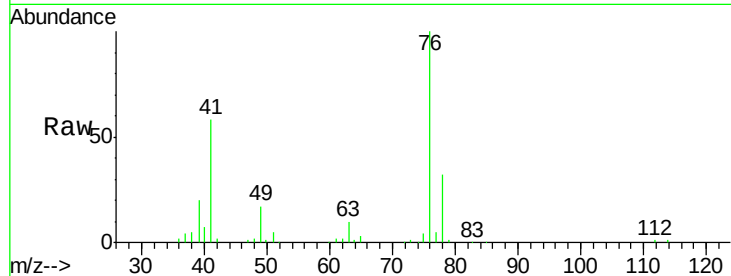




#57
 1,3-Dichloropropane
 Concen: 48.366 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

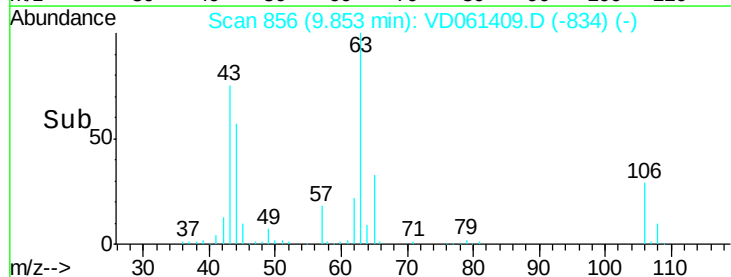
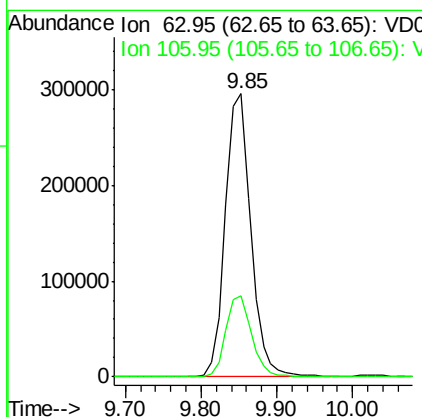
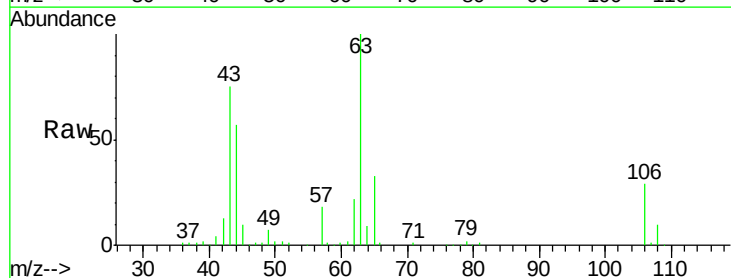
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

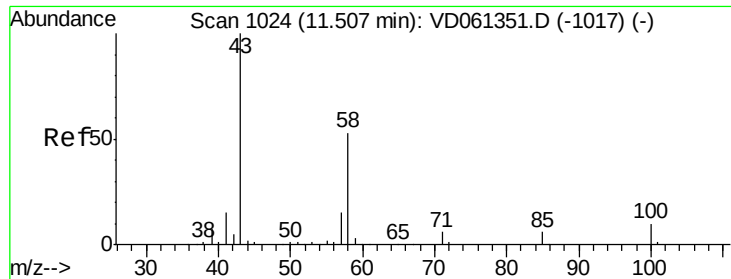
Tot Ion: 76 Resp: 378275
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 248.098 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.02 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion: 63 Resp: 690662
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.4 33.6

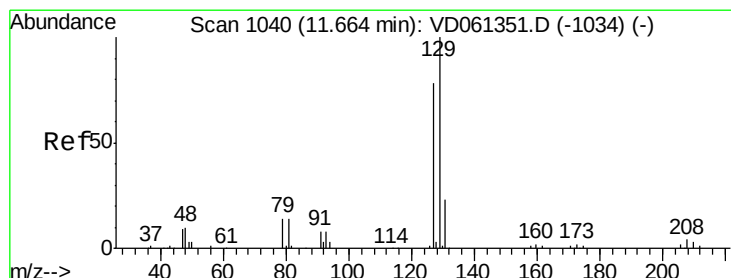
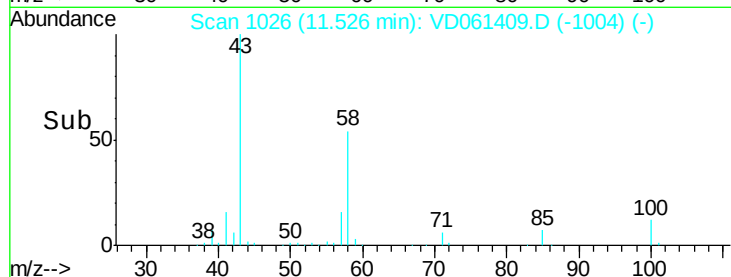
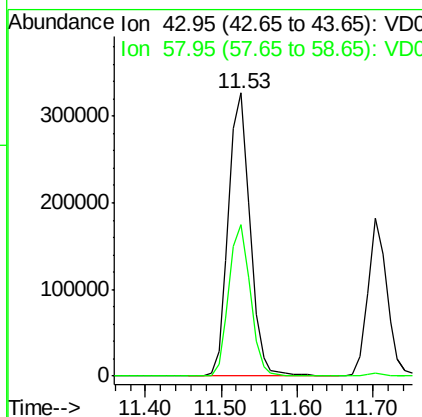
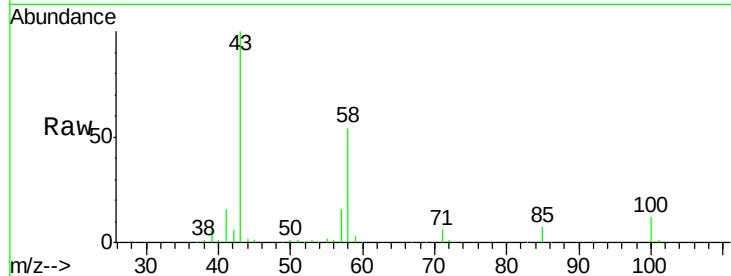




#59
2-Hexanone
Concen: 237.226 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

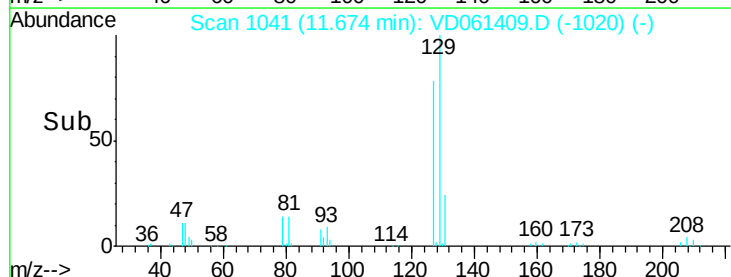
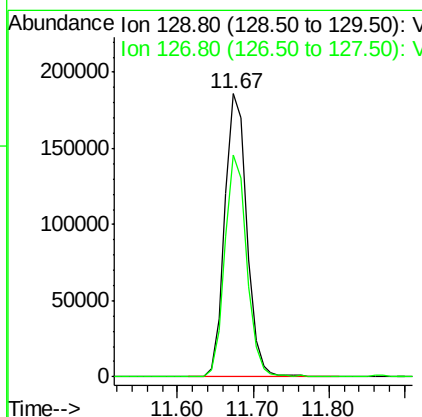
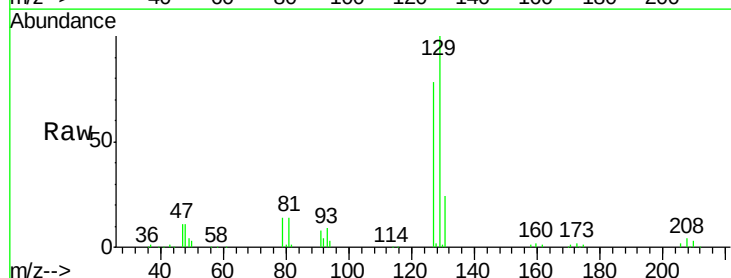
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

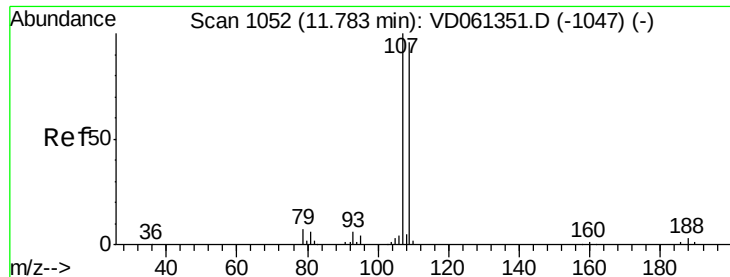
Tot Ion: 43 Resp: 646617
Ion Ratio Lower Upper
43 100
58 53.6 26.3 78.9



#60
Dibromochloromethane
Concen: 45.840 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 129 Resp: 376033
Ion Ratio Lower Upper
129 100
127 78.2 39.0 116.9

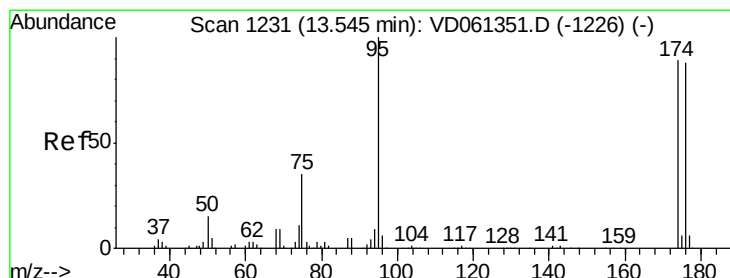
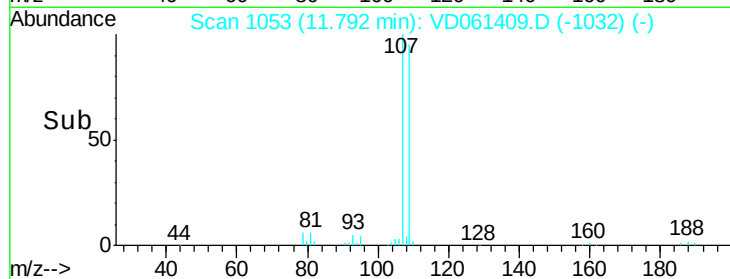
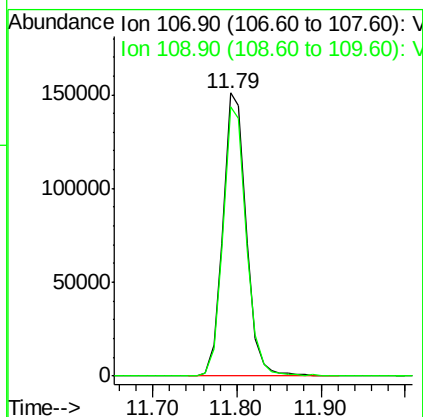
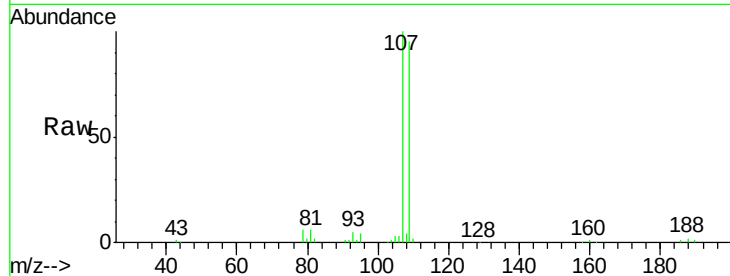




#61
 1,2-Dibromoethane
 Concen: 46.971 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

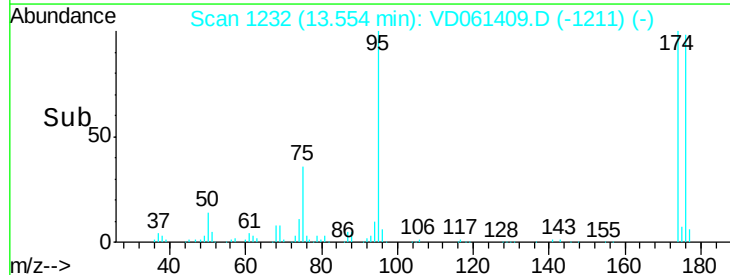
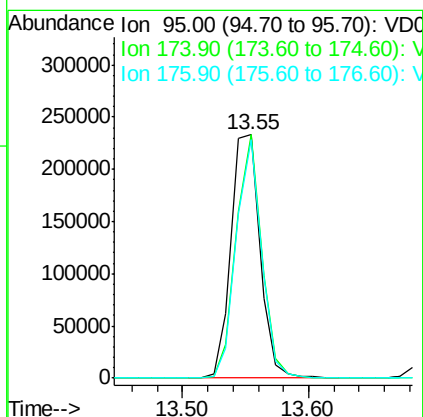
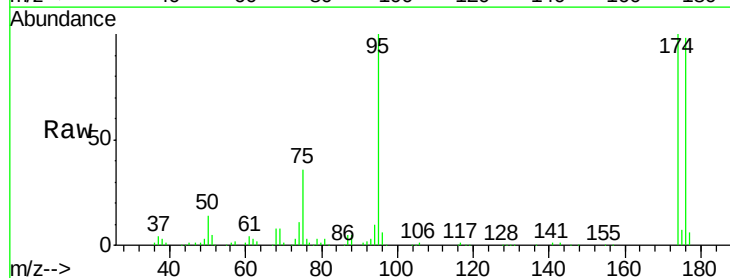
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

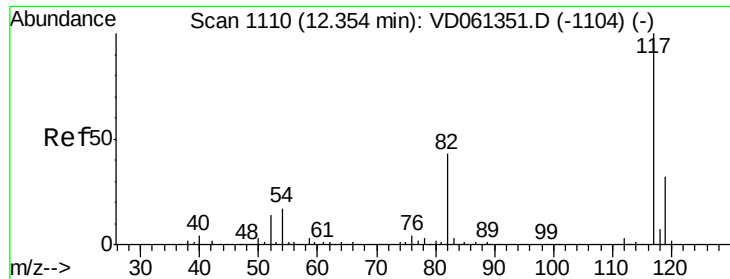
Tot Ion: 107 Resp: 289415
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 46.971 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion: 95 Resp: 369121
 Ion Ratio Lower Upper
 95 100
 174 100.0 0.0 178.0
 176 97.8 0.0 175.0

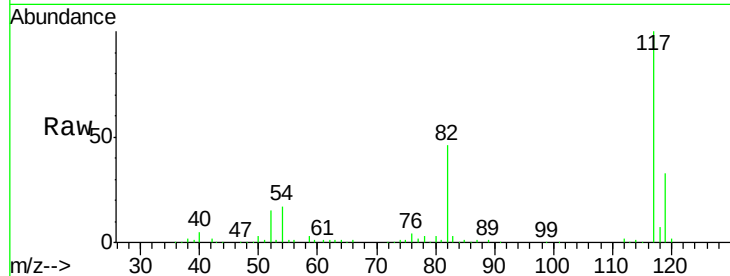




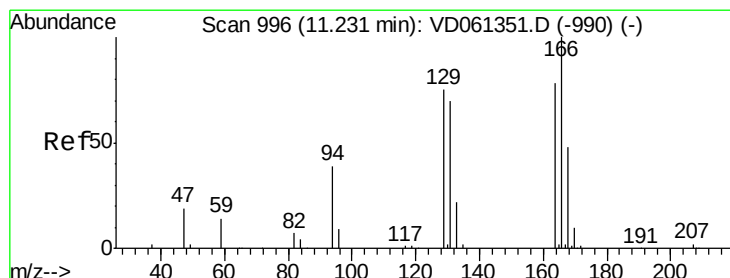
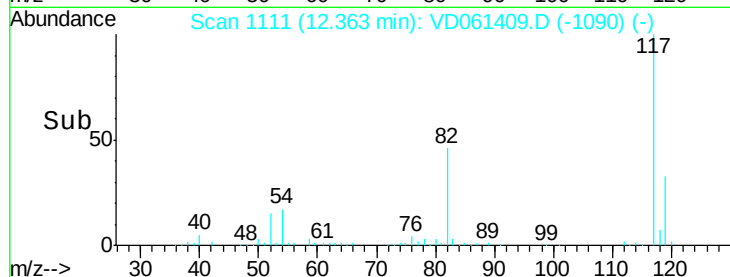
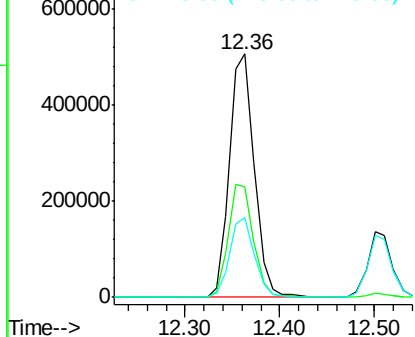
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 921064
Ion Ratio Lower Upper
117 100
82 45.6 34.4 51.6
119 32.9 25.8 38.6

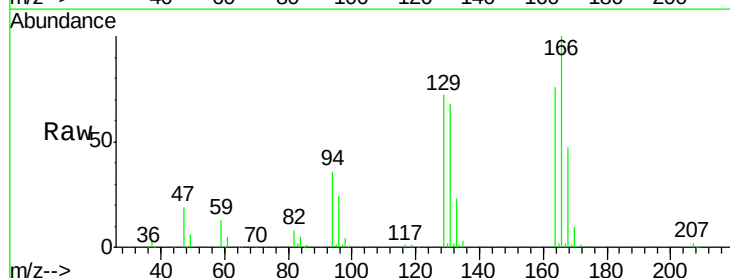


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

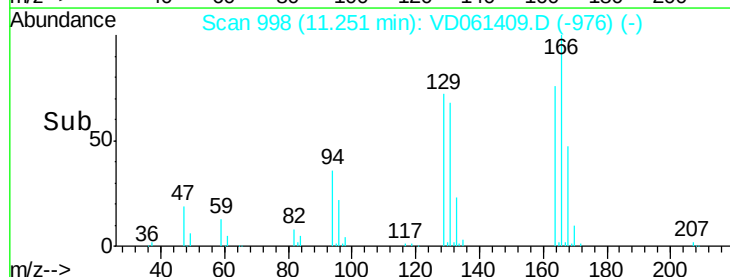
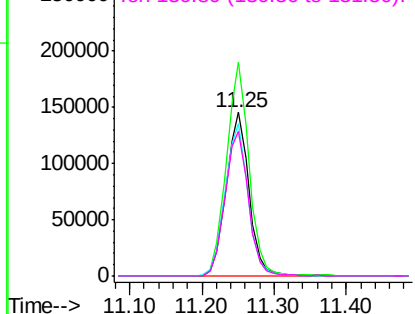


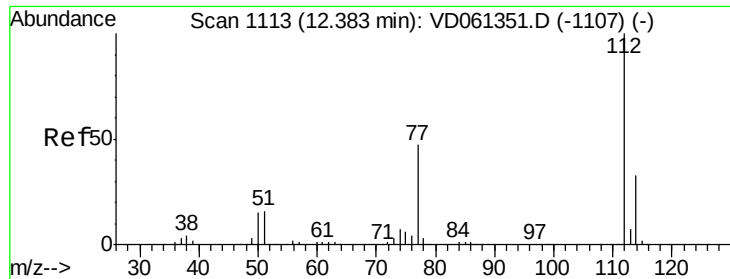
#64
Tetrachloroethene
Concen: 44.044 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.02 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion:164 Resp: 318379
Ion Ratio Lower Upper
164 100
166 130.9 102.4 153.6
129 93.7 76.8 115.2
131 88.8 71.8 107.6



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

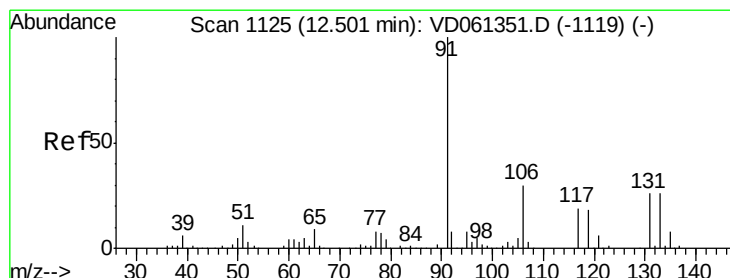
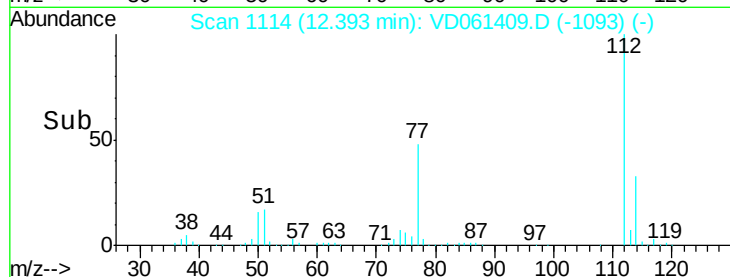
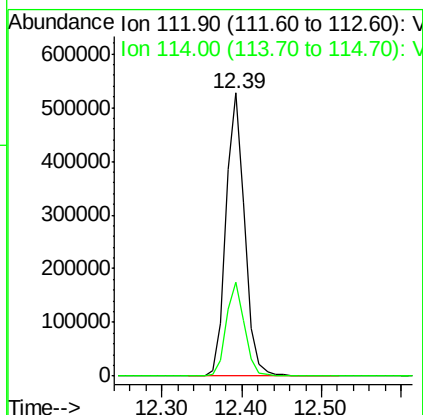
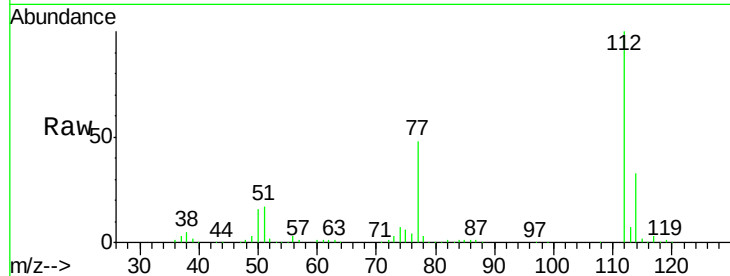




#65
Chlorobenzene
Concen: 46.322 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

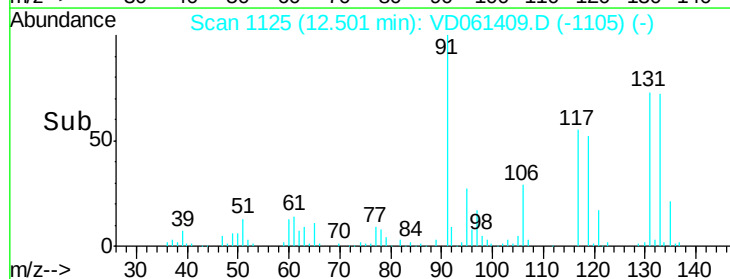
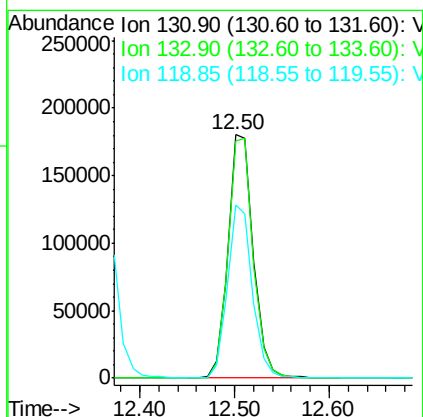
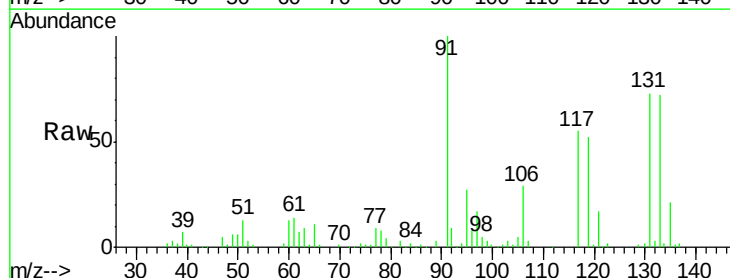
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

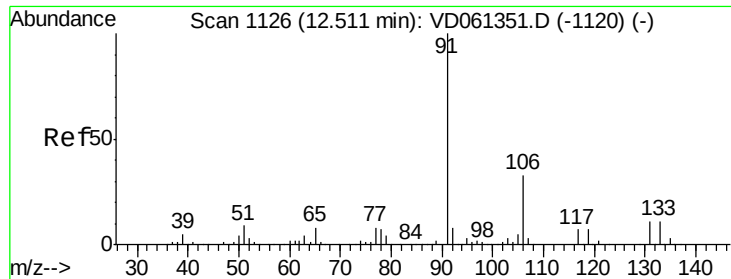
Tot Ion:112 Resp: 871936
Ion Ratio Lower Upper
112 100
114 33.1 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 45.514 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion:131 Resp: 331716
Ion Ratio Lower Upper
131 100
133 97.6 49.4 148.2
119 71.1 34.1 102.2

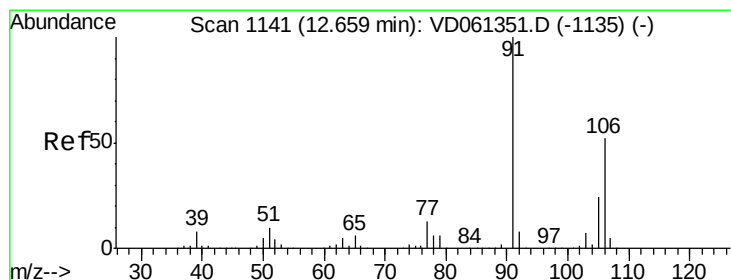
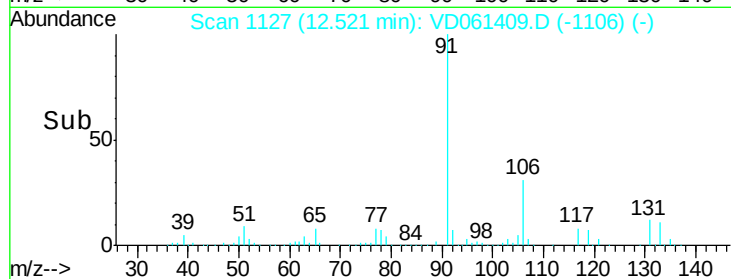
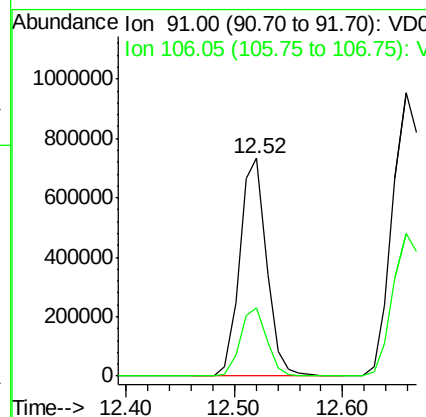
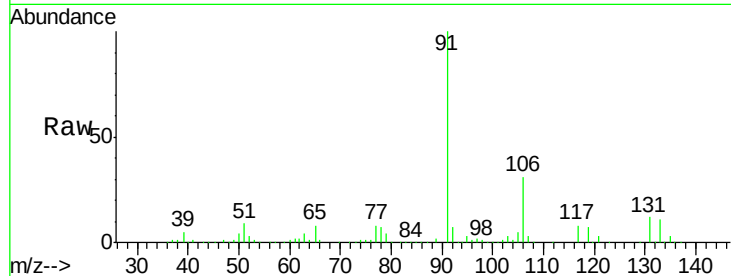




#67
Ethyl Benzene
Concen: 44.068 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

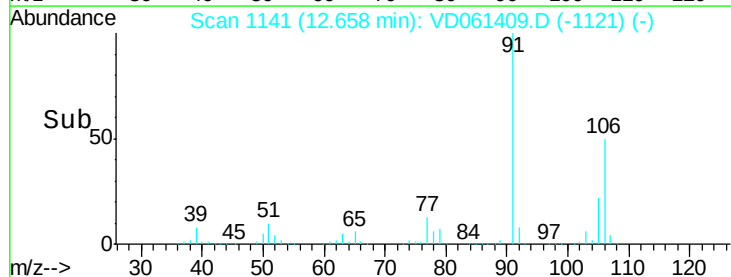
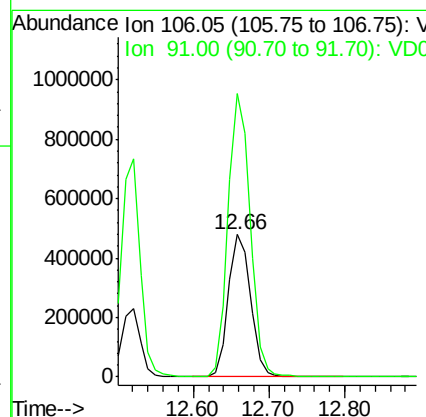
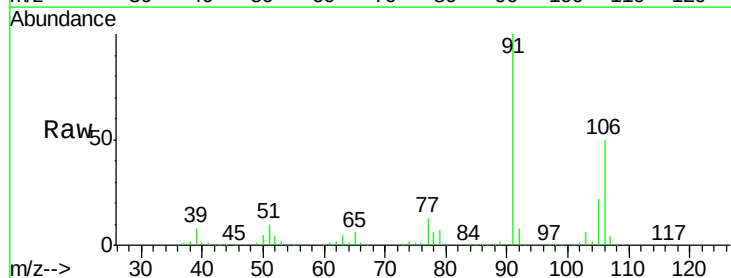
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

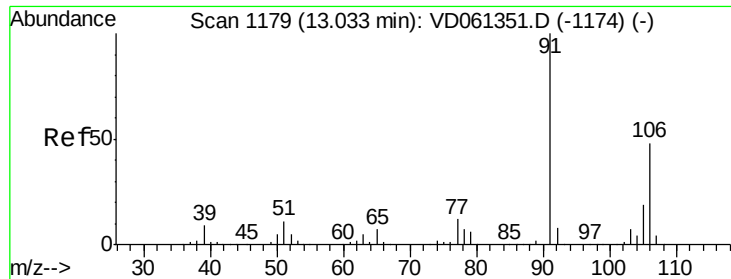
Tot Ion: 91 Resp: 1266148
Ion Ratio Lower Upper
91 100
106 31.3 26.1 39.1



#68
m/p-Xylenes
Concen: 89.773 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 106 Resp: 977060
Ion Ratio Lower Upper
106 100
91 198.9 153.1 229.7

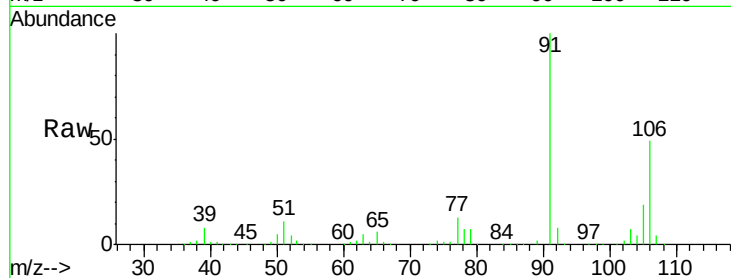




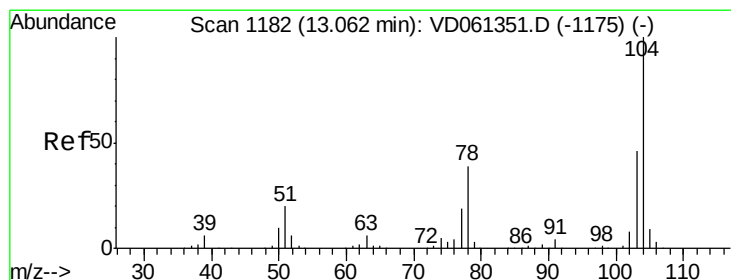
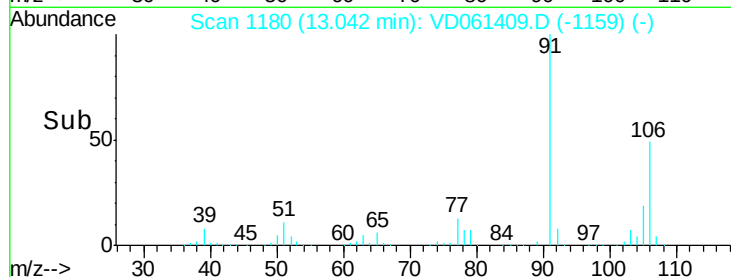
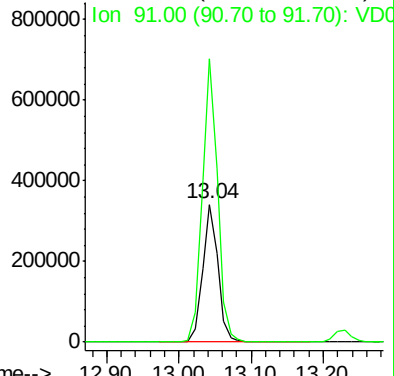
#69
o-Xylene
Concen: 47.757 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 504399
Ion Ratio Lower Upper
106 100
91 205.6 103.8 311.3

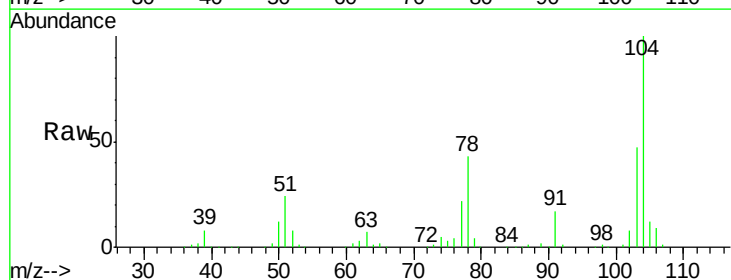


Abundance Ion 106.05 (105.75 to 106.75): V

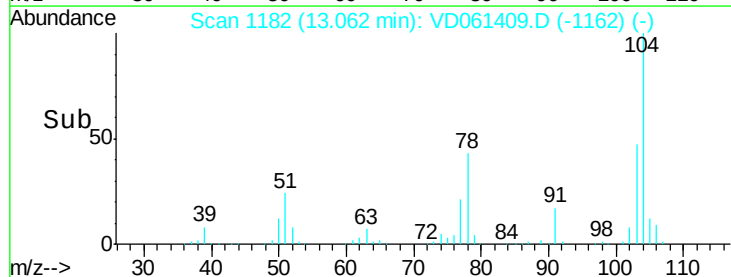
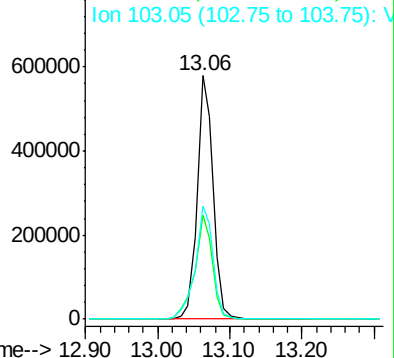


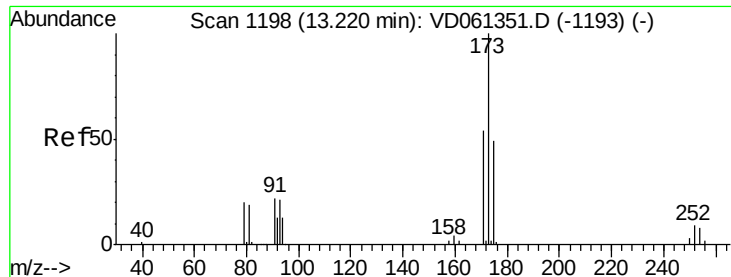
#70
Styrene
Concen: 47.767 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion:104 Resp: 879446
Ion Ratio Lower Upper
104 100
78 43.0 31.0 46.6
103 46.6 37.0 55.4



Abundance Ion 104.05 (103.75 to 104.75): V





#71

Bromoform

Concen: 44.930 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

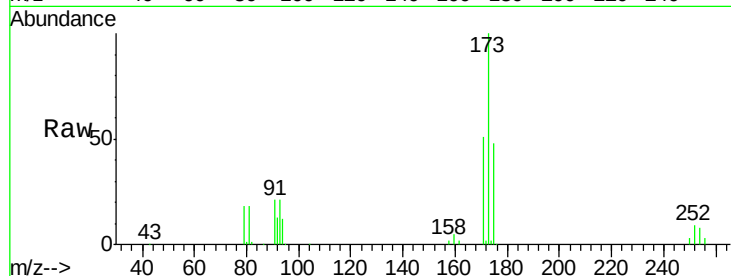
Tot Ion:173 Resp: 207582

Ion Ratio Lower Upper

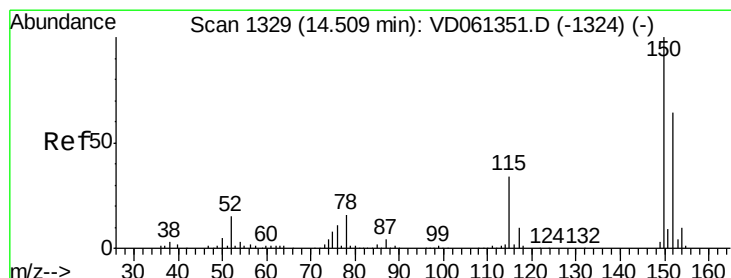
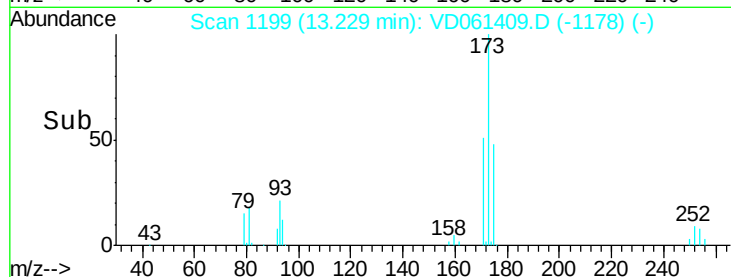
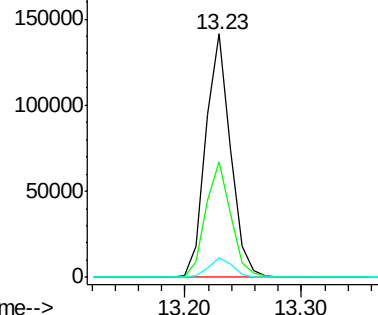
173 100

175 47.5 24.6 73.8

254 8.0 6.6 10.0



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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

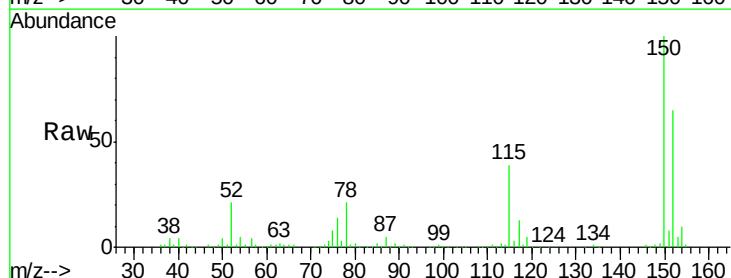
Tgt Ion:152 Resp: 400814

Ion Ratio Lower Upper

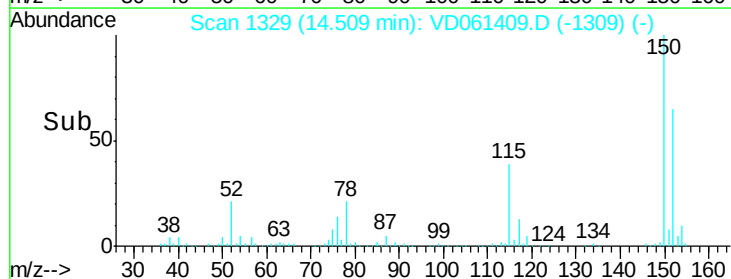
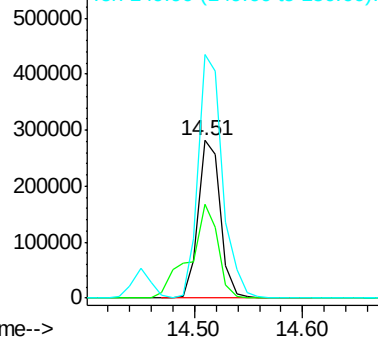
152 100

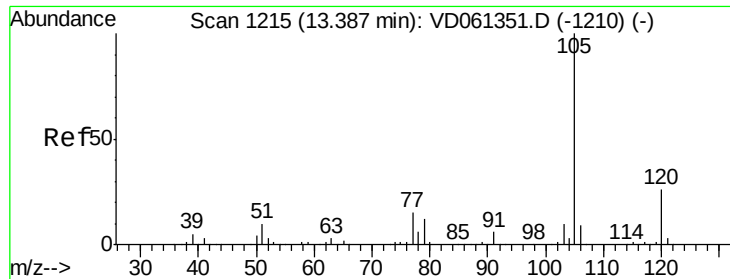
115 59.8 26.9 80.6

150 154.3 0.0 318.0



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: 44.471 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

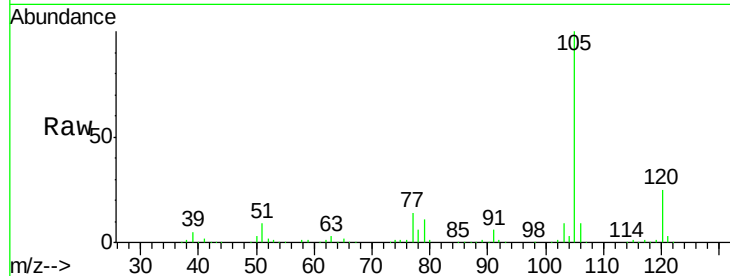
VSTDCCC050EC

Tot Ion:105 Resp: 1240581

Ion Ratio Lower Upper

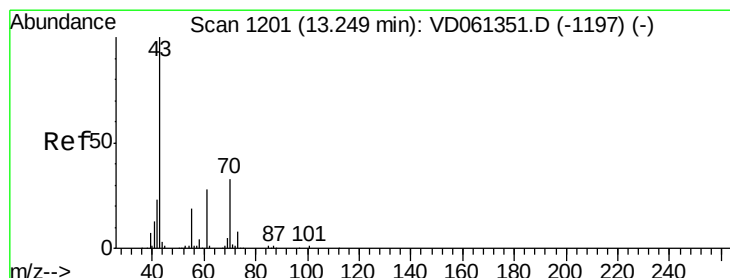
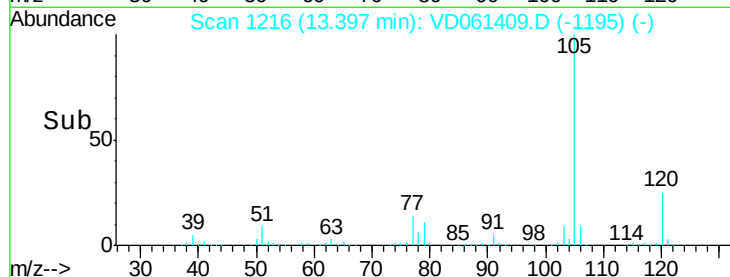
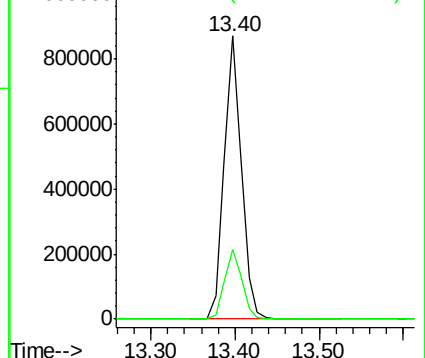
105 100

120 24.8 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 46.185 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Tgt Ion: 43 Resp: 358909

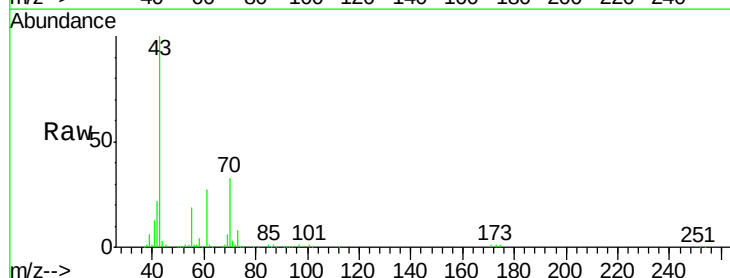
Ion Ratio Lower Upper

43 100

70 33.1 26.6 40.0

55 18.7 15.4 23.2

61 26.7 22.2 33.4

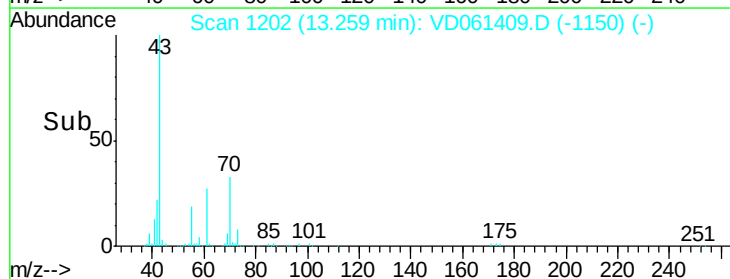
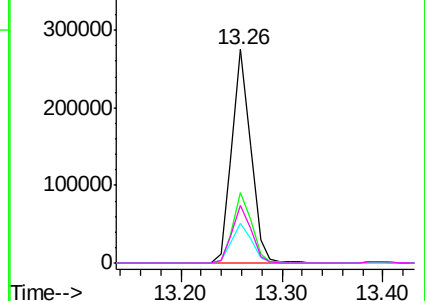


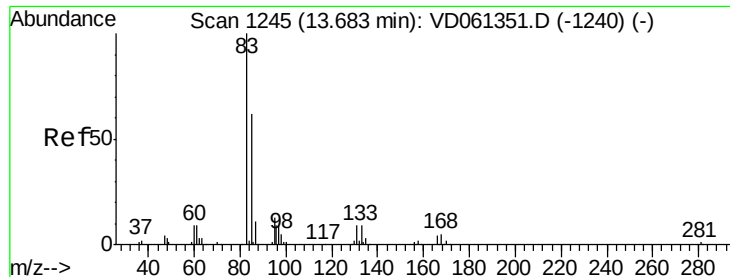
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.821 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

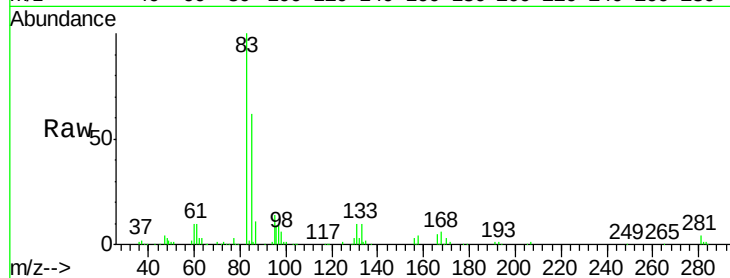
Tot Ion: 83 Resp: 263759

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.3	13.1
85	62.2	31.2	93.6

83 100

131 10.0 4.3 13.1

85 62.2 31.2 93.6



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

250000

200000

150000

100000

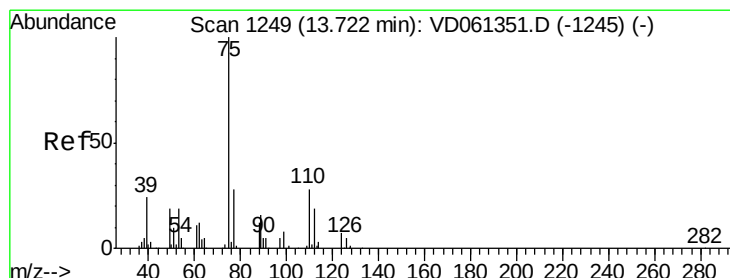
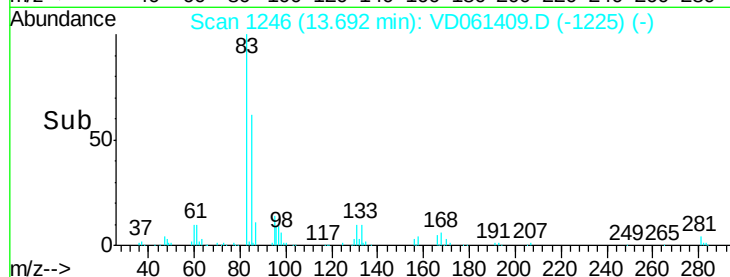
50000

0

13.69

13.60 13.70 13.80

Time-->



#76

1,2,3-Trichloropropane

Concen: 46.427 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD061409.D

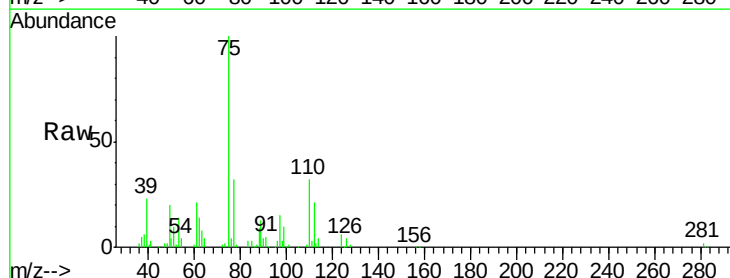
Acq: 29 Mar 2019 00:09

Tgt Ion: 75 Resp: 268808

Ion	Ratio	Lower	Upper
75	100		
77	32.1	16.2	48.5

75 100

77 32.1 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

400000

300000

200000

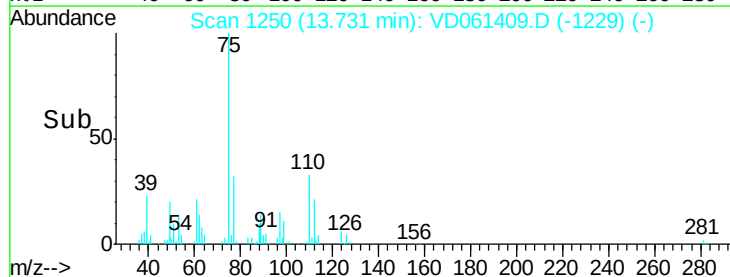
100000

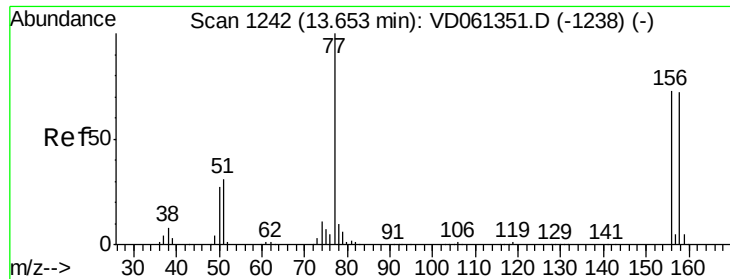
0

13.73

13.65 13.70 13.75 13.80

Time-->





#77

Bromobenzene

Concen: 46.673 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

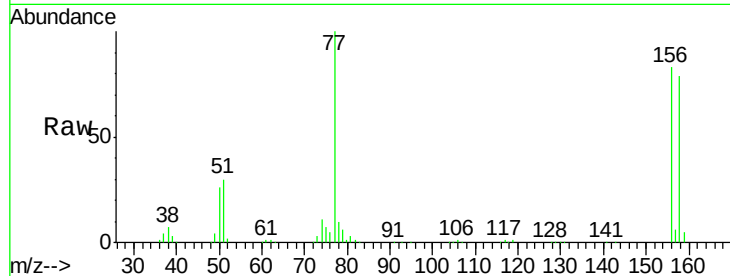
Tot Ion:156 Resp: 385989

Ion Ratio Lower Upper

156 100

77 120.7 68.5 205.6

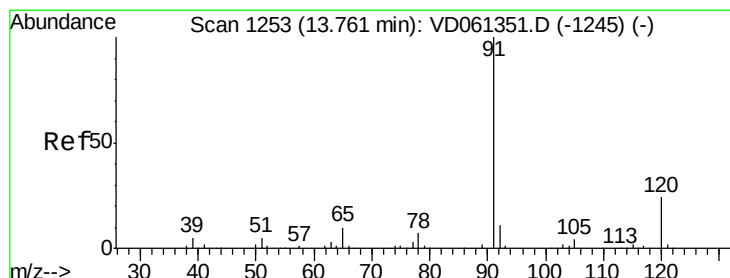
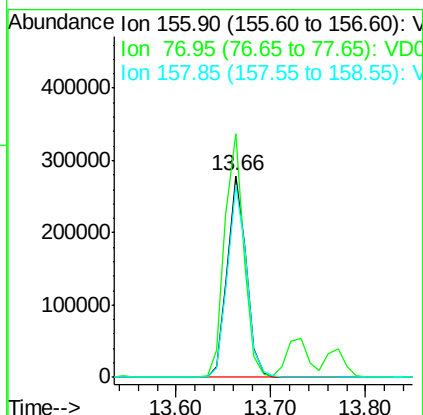
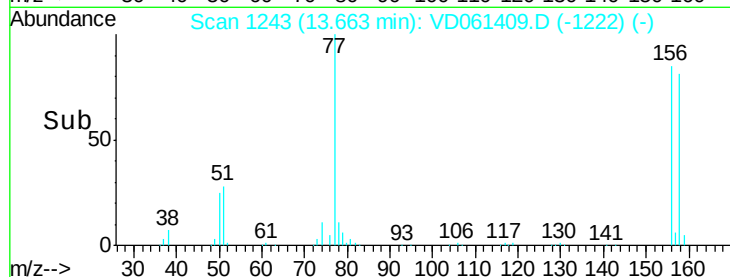
158 95.6 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 44.915 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD061409.D

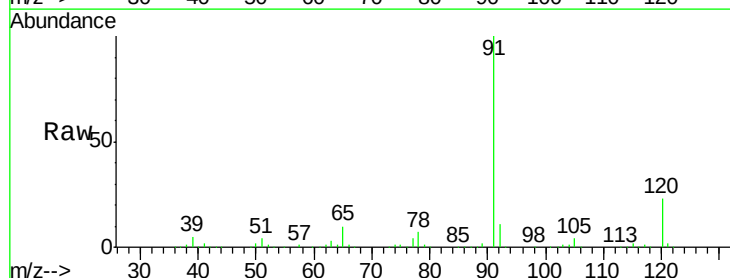
Acq: 29 Mar 2019 00:09

Tgt Ion: 91 Resp: 1533319

Ion Ratio Lower Upper

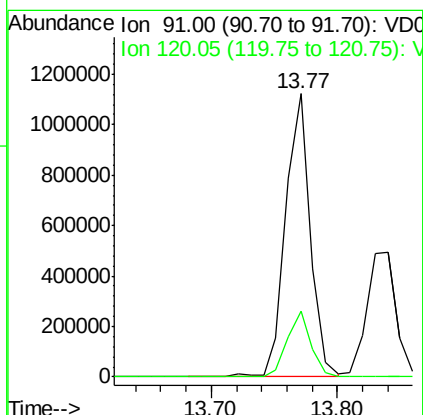
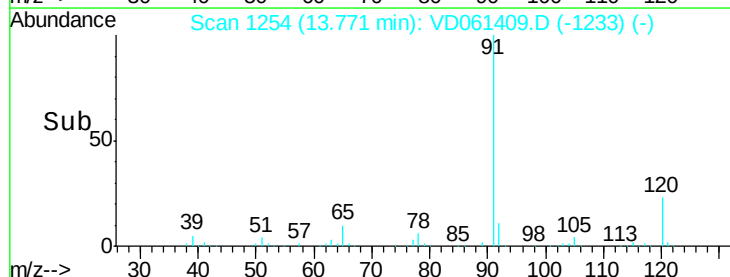
91 100

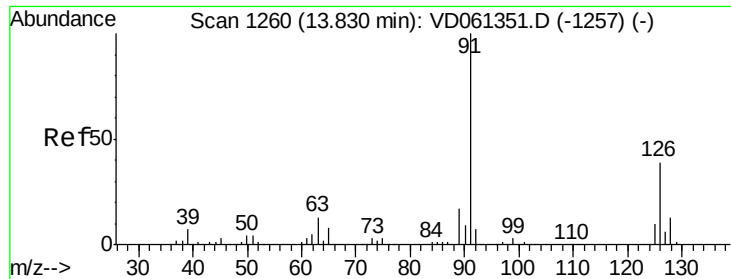
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

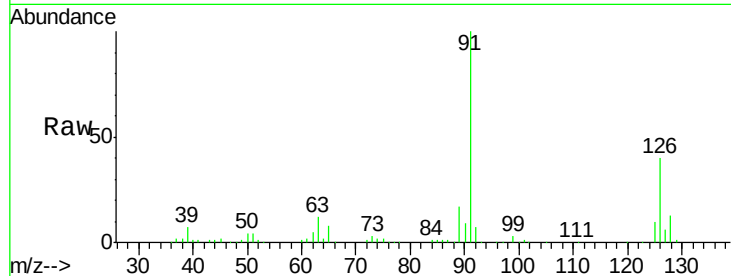




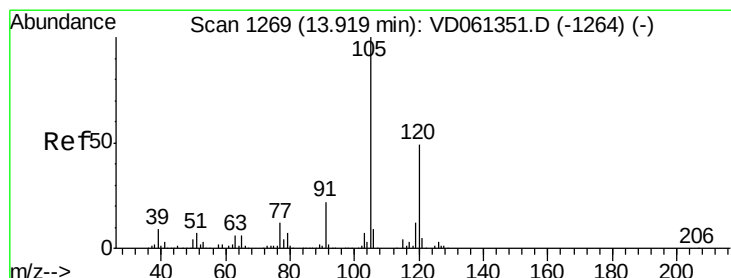
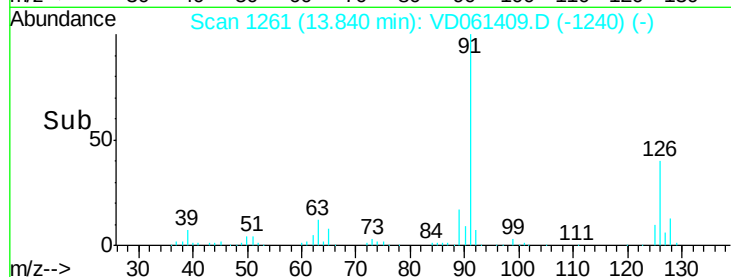
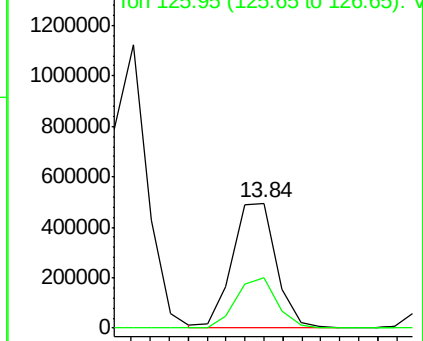
#79
 2-Chlorotoluene
 Concen: 42.686 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 791235
 Ion Ratio Lower Upper
 91 100
 126 40.4 19.4 58.2

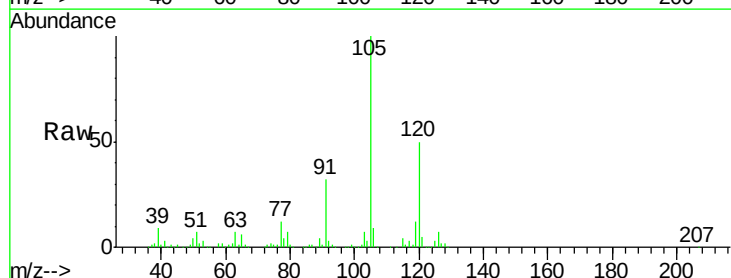


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

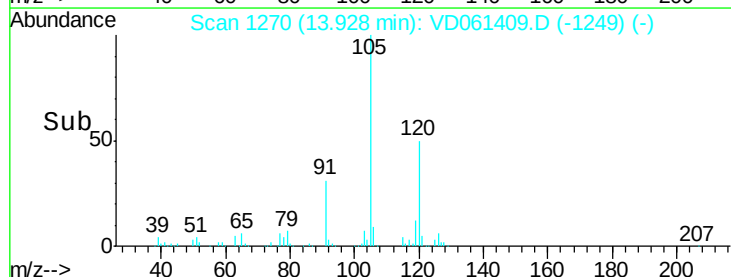
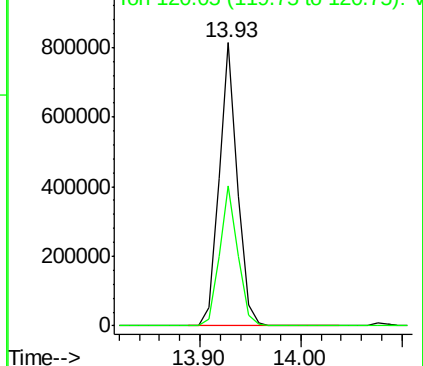


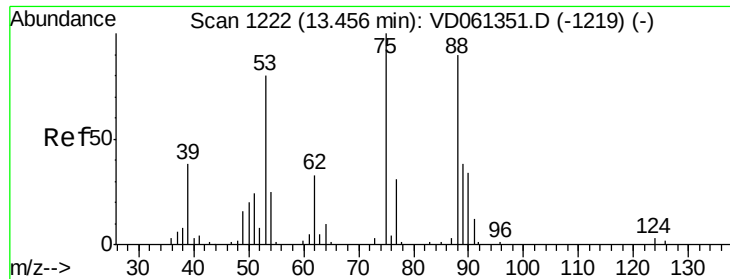
#80
 1,3,5-Trimethylbenzene
 Concen: 47.510 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion:105 Resp: 1028322
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.6 73.6



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

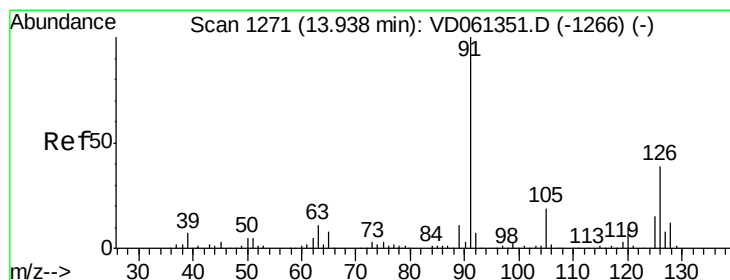
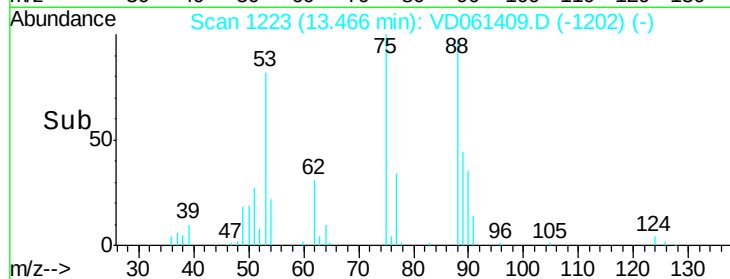
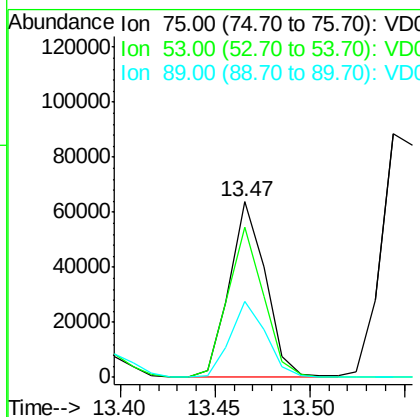
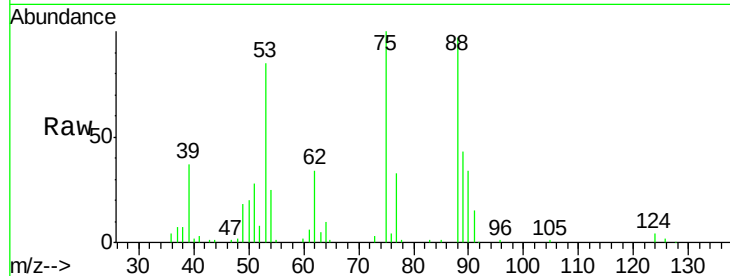




#81
trans-1,4-Dichloro-2-butene
Concen: 47.718 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

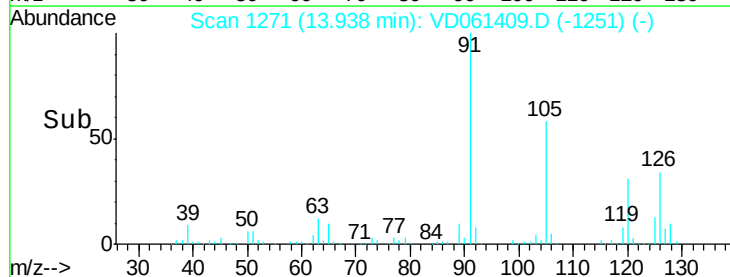
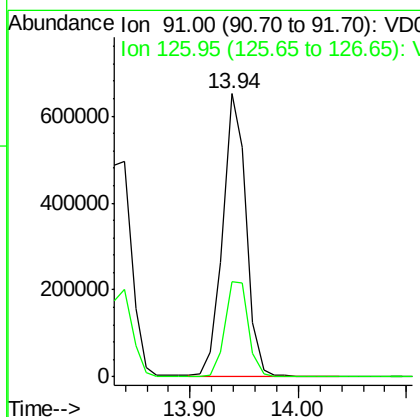
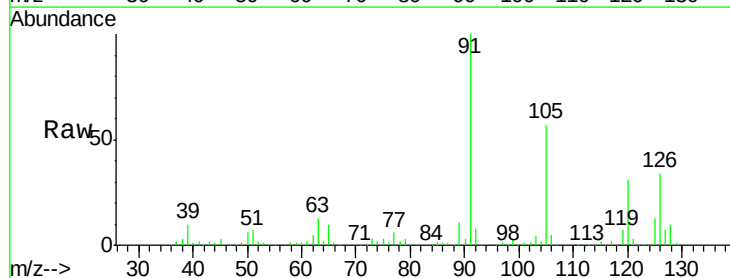
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

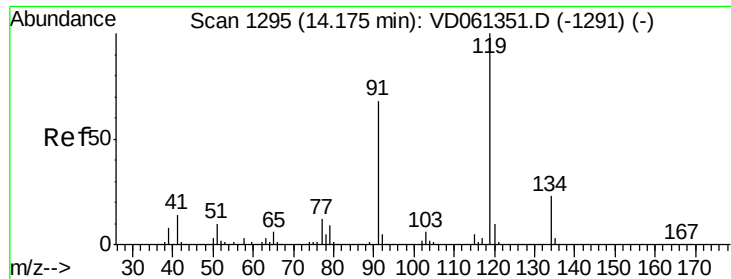
Tot Ion: 75 Resp: 84238
Ion Ratio Lower Upper
75 100
53 85.3 63.8 95.8
89 43.2 30.5 45.7



#82
4-Chlorotoluene
Concen: 48.317 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion: 91 Resp: 973840
Ion Ratio Lower Upper
91 100
126 33.7 19.6 58.8

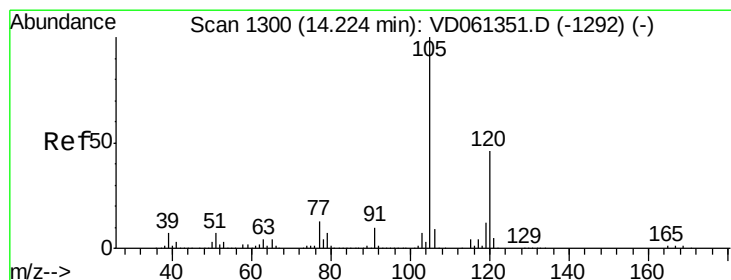
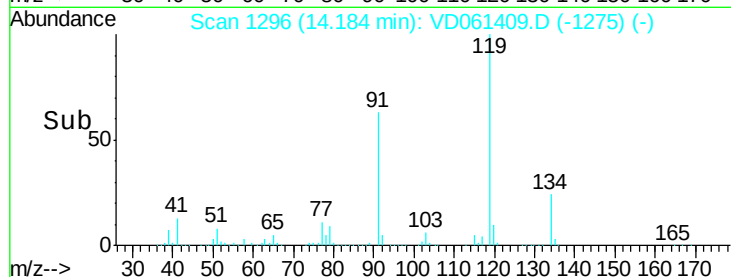
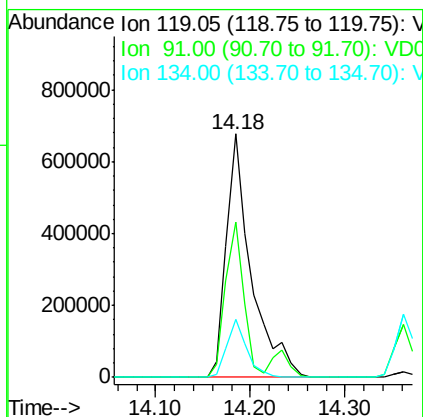
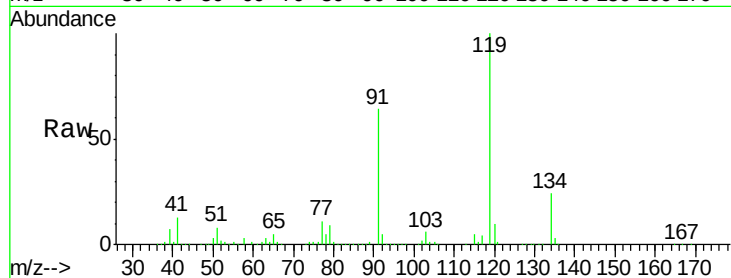




#83
tert-Butylbenzene
Concen: 45.710 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

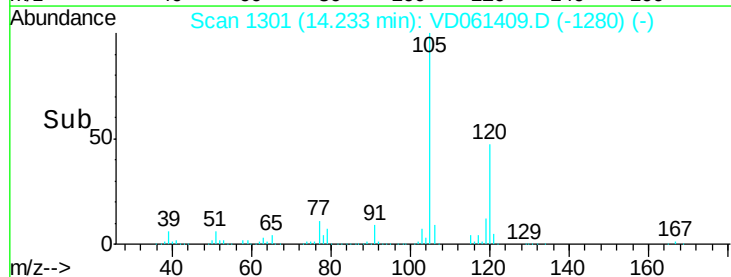
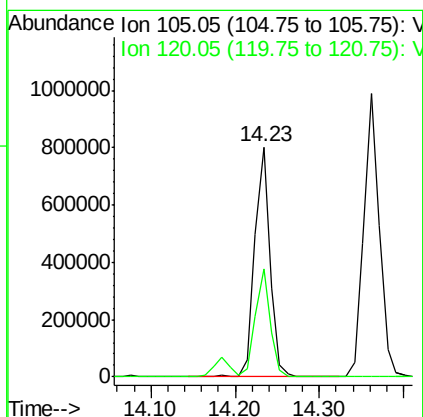
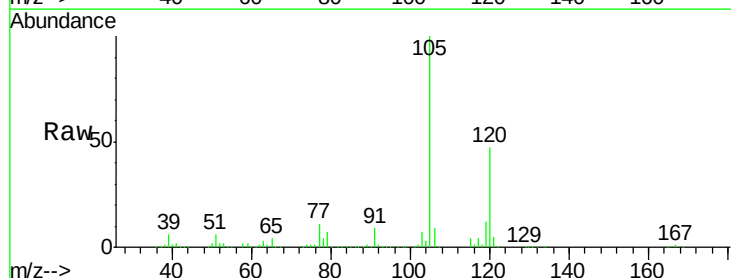
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

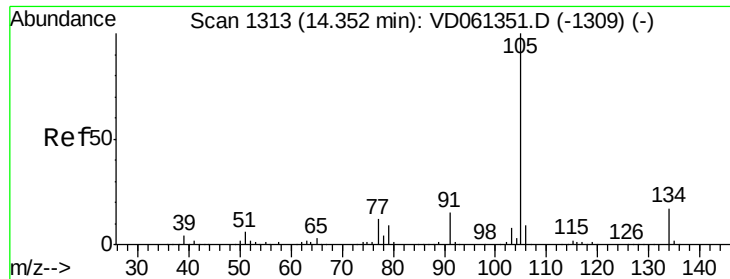
Tot Ion:119 Resp: 1236425
Ion Ratio Lower Upper
119 100
91 64.0 34.1 102.3
134 23.7 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 43.914 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion:105 Resp: 1029032
Ion Ratio Lower Upper
105 100
120 46.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 44.156 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

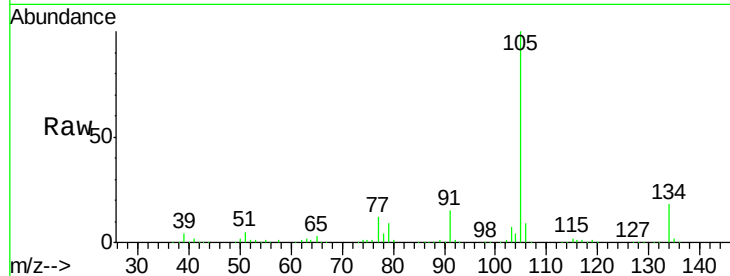
VSTDCCC050EC

Tot Ion:105 Resp: 1268844

Ion Ratio Lower Upper

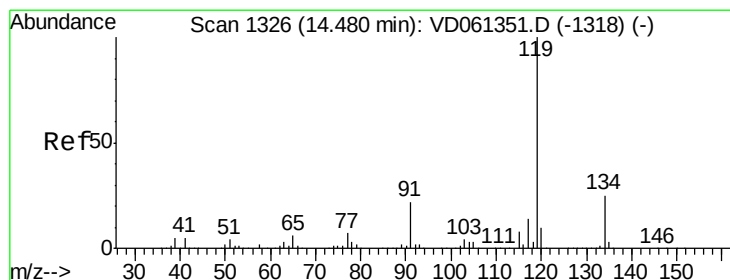
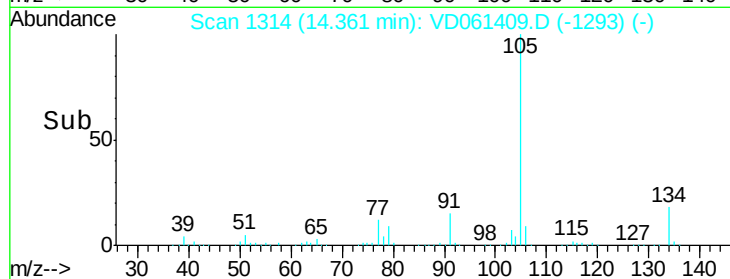
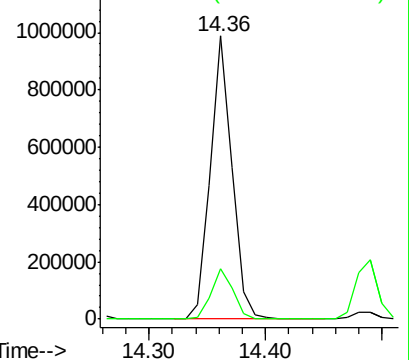
105 100

134 18.0 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 45.631 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

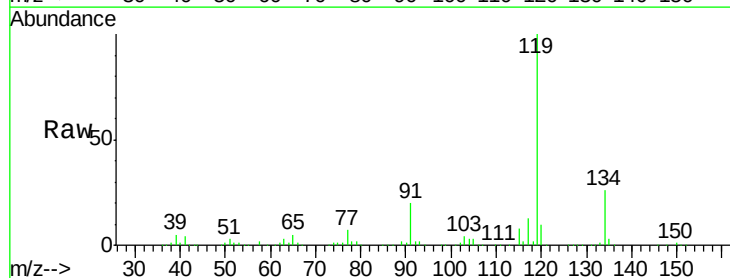
Tgt Ion:119 Resp: 1108784

Ion Ratio Lower Upper

119 100

134 25.6 12.3 36.8

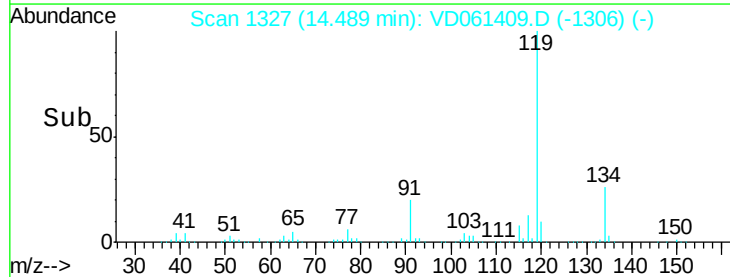
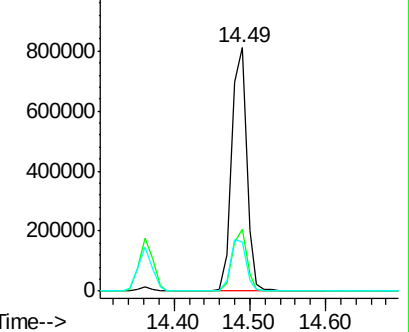
91 20.1 11.1 33.1

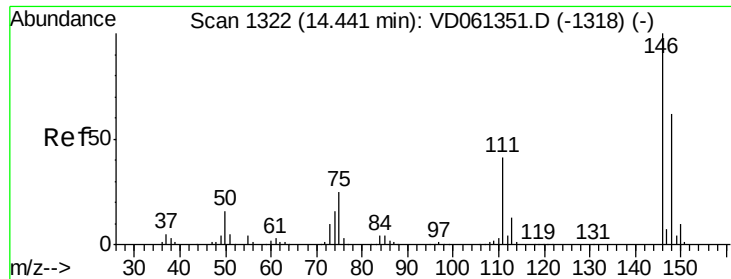


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

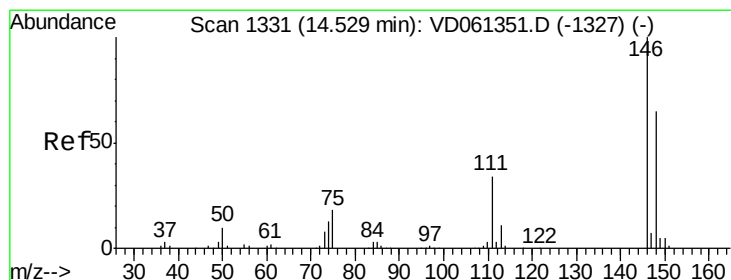
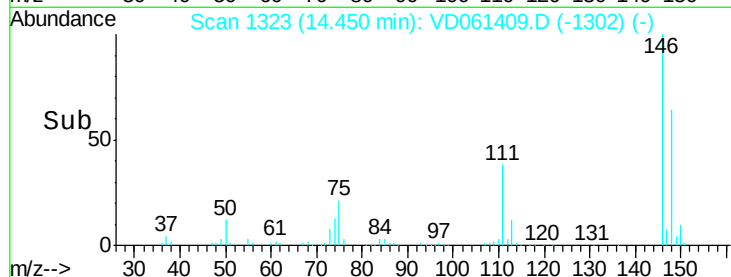
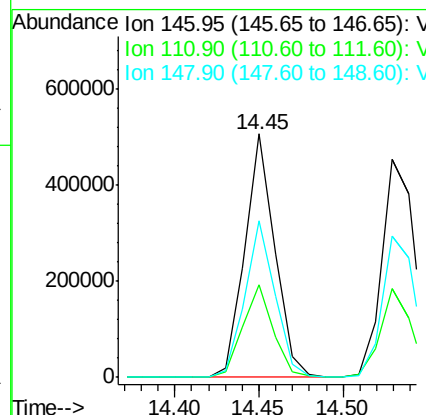
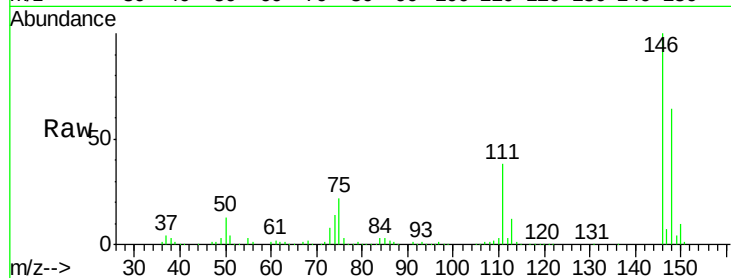




#87
 1,3-Dichlorobenzene
 Concen: 44.976 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

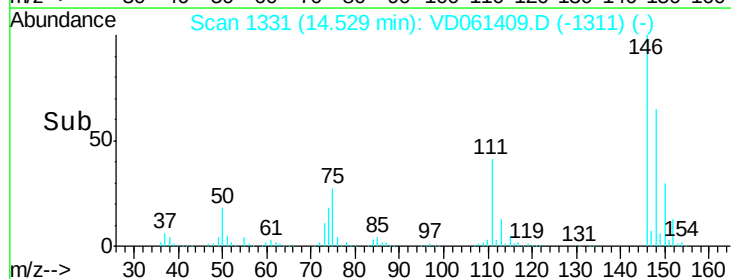
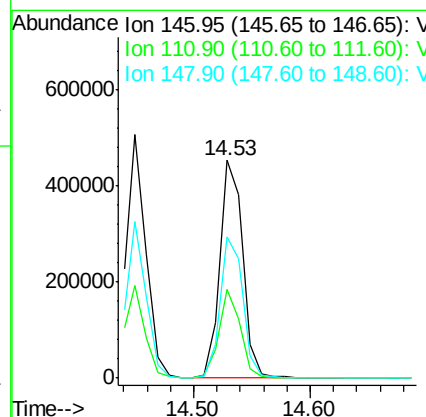
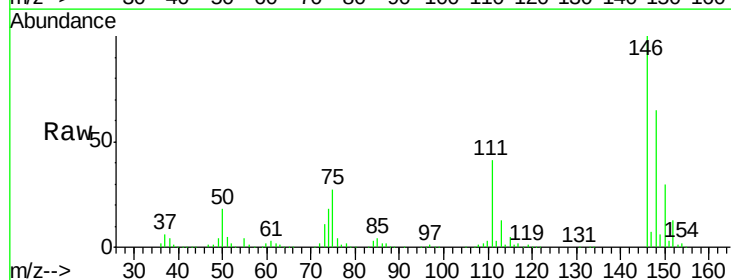
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

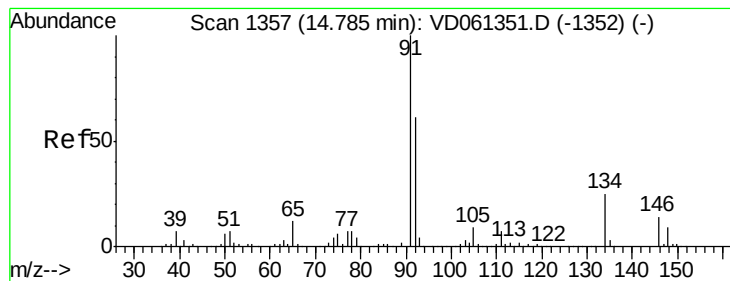
Tot Ion:146 Resp: 629867
 Ion Ratio Lower Upper
 146 100
 111 37.9 20.6 61.9
 148 64.2 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 45.039 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion:146 Resp: 615106
 Ion Ratio Lower Upper
 146 100
 111 40.6 16.8 50.4
 148 64.7 32.6 98.0





#89

n-Butylbenzene

Concen: 43.592 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD061409.D

Acq: 29 Mar 2019 00:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

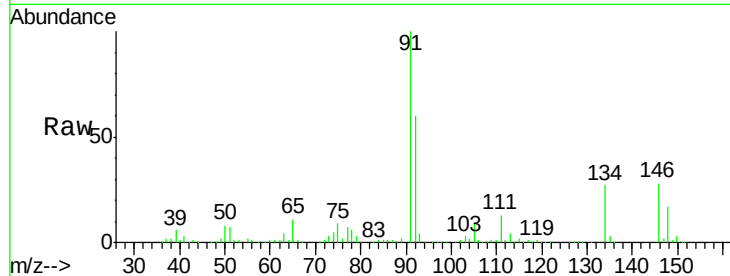
Tot Ion: 91 Resp: 972218

Ion Ratio Lower Upper

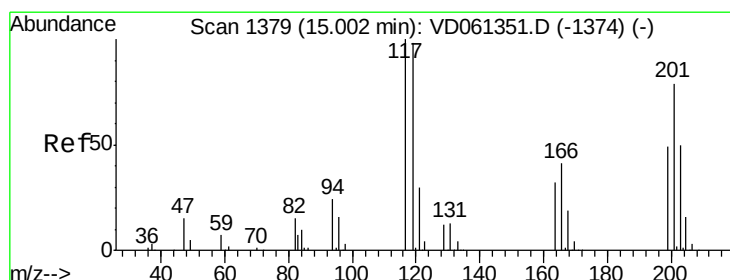
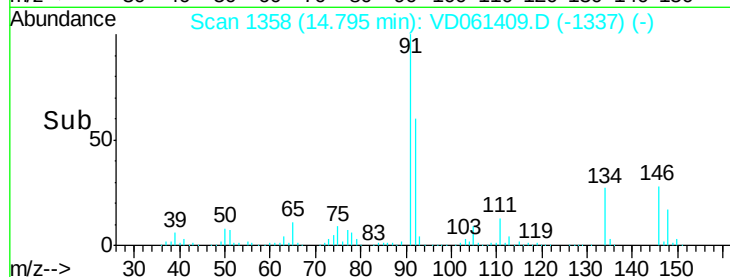
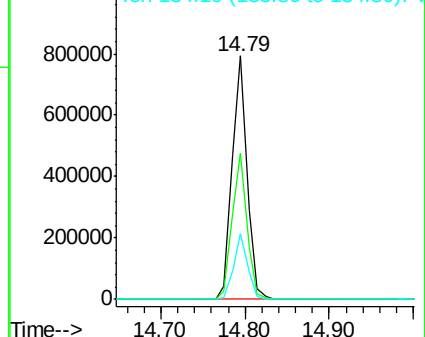
91 100

92 59.9 30.3 91.0

134 27.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 49.225 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061409.D

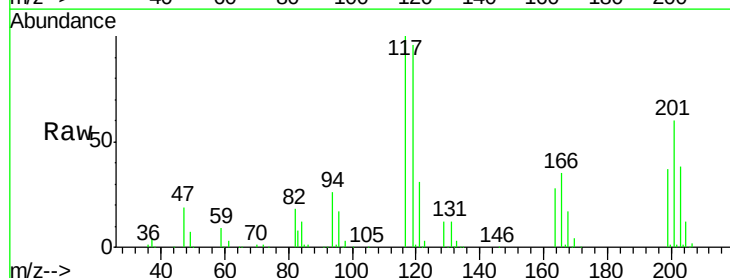
Acq: 29 Mar 2019 00:09

Tgt Ion: 117 Resp: 337913

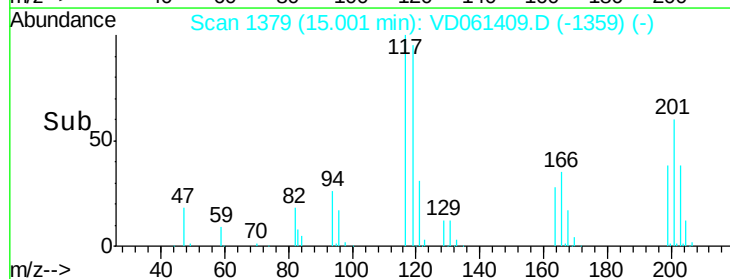
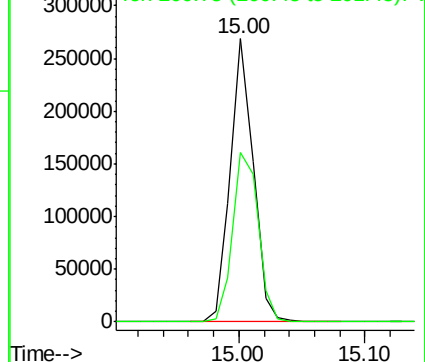
Ion Ratio Lower Upper

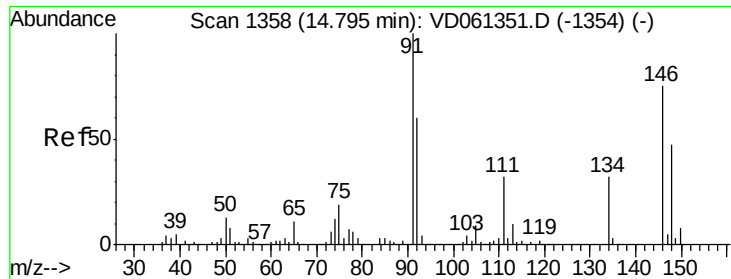
117 100

201 59.7 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

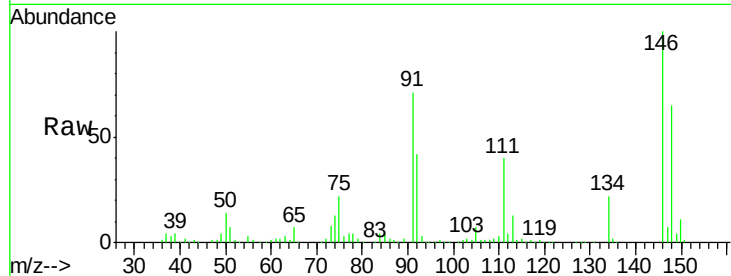




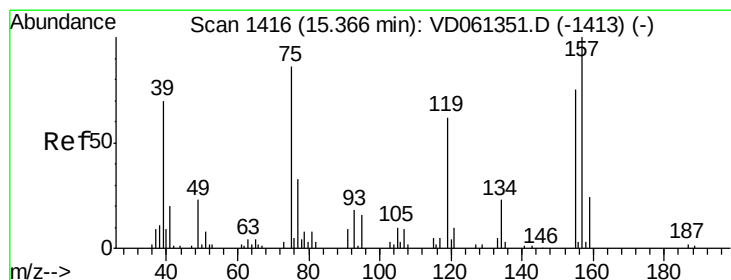
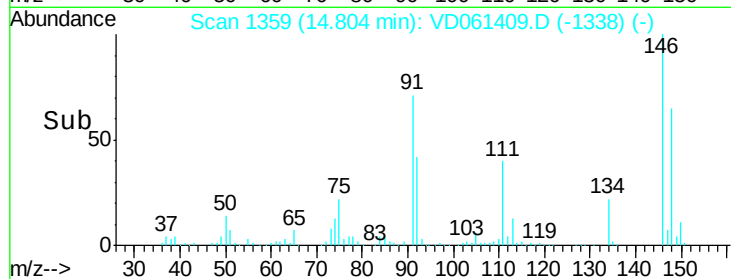
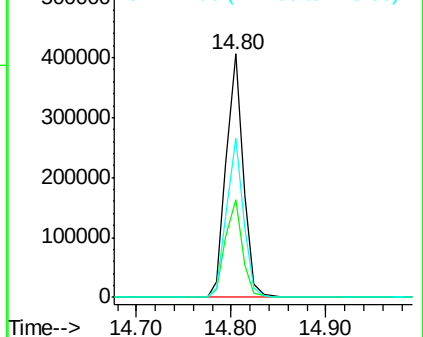
#91
 1,2-Dichlorobenzene
 Concen: 44.151 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 507166
 Ion Ratio Lower Upper
 146 100
 111 40.1 21.2 63.6
 148 65.3 31.6 95.0

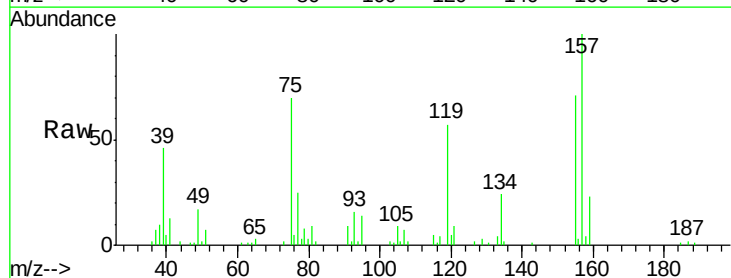


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

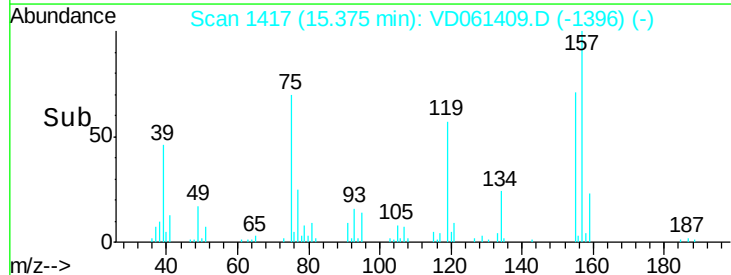
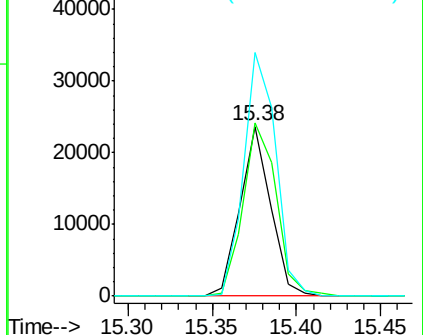


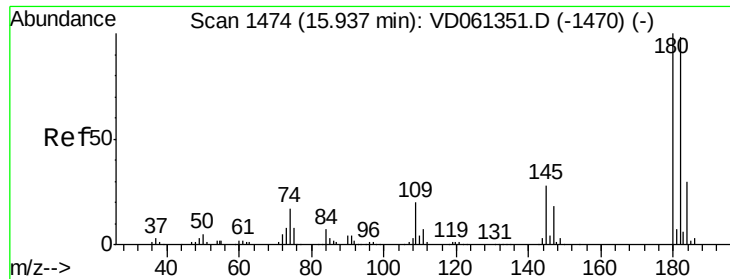
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.172 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion: 75 Resp: 29797
 Ion Ratio Lower Upper
 75 100
 155 102.1 43.6 130.9
 157 143.7 58.5 175.3



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

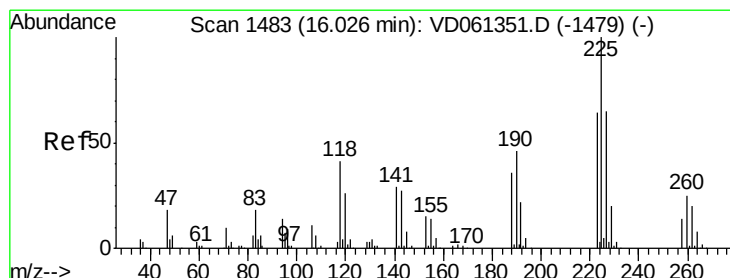
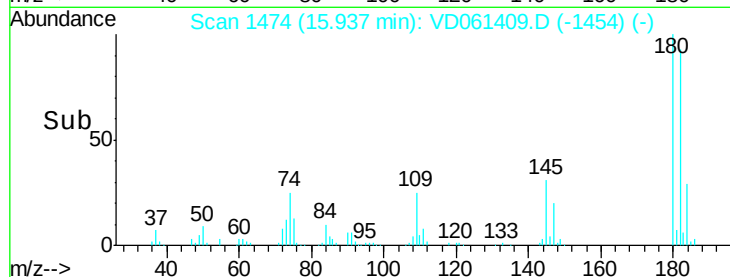
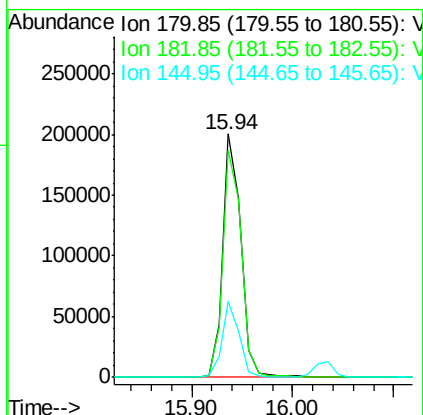
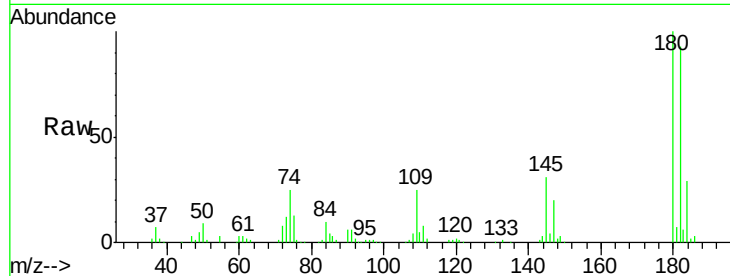




#93
 1,2,4-Trichlorobenzene
 Concen: 48.358 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

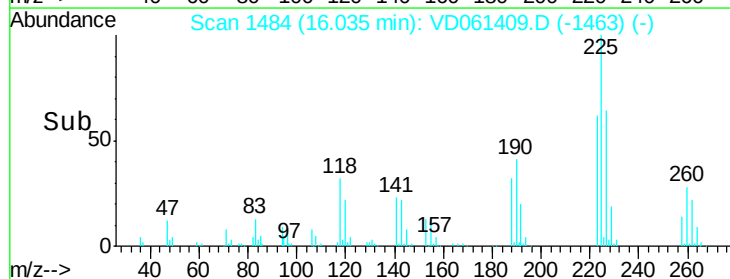
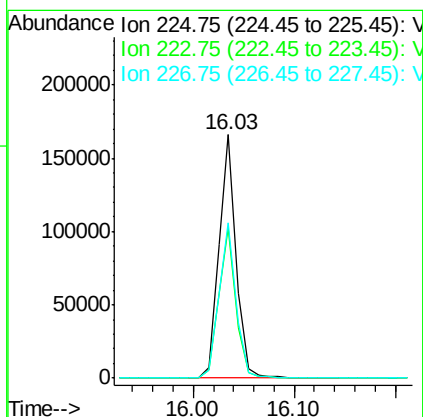
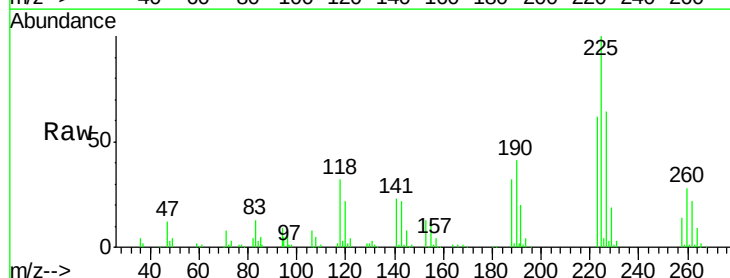
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

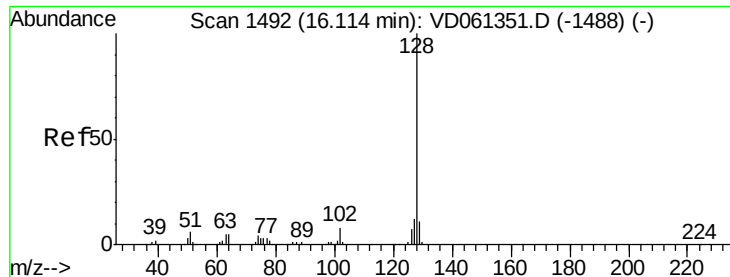
Tot Ion:180 Resp: 253049
 Ion Ratio Lower Upper
 180 100
 182 93.3 48.9 146.8
 145 31.0 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 48.461 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061409.D
 Acq: 29 Mar 2019 00:09

Tgt Ion:225 Resp: 198159
 Ion Ratio Lower Upper
 225 100
 223 61.5 32.0 96.0
 227 63.9 32.4 97.2

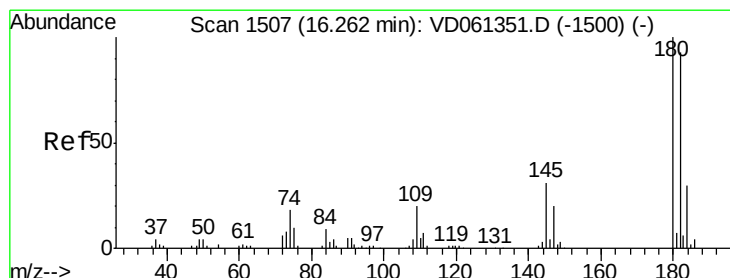
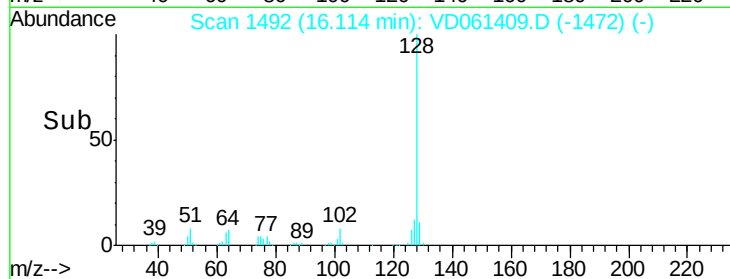
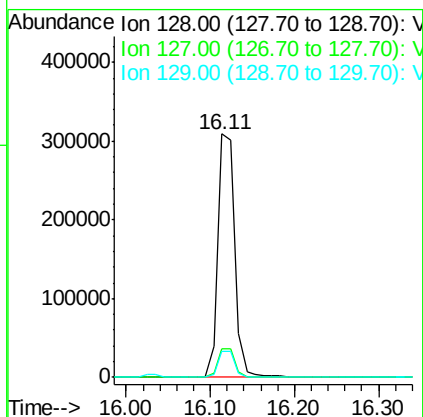
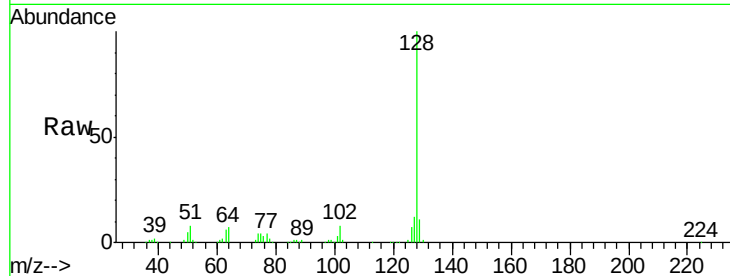




#95
Naphthalene
Concen: 54.051 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 431123
Ion Ratio Lower Upper
128 100
127 12.0 9.9 14.9
129 10.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 61.554 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD061409.D
Acq: 29 Mar 2019 00:09

Tgt Ion:180 Resp: 141738
Ion Ratio Lower Upper
180 100
182 98.1 46.4 139.1
145 33.9 15.3 45.9

