

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
 Data File : VD061804.D
 Acq On : 16 Apr 2019 11:29
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 16 11:52:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	709575	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	1152948	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	925024	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	413925	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	268450	45.14	ug/l	-0.04
Spiked Amount			Recovery	=		90.28%
35) Dibromofluoromethane	6.93	113	406750	46.70	ug/l	-0.04
Spiked Amount			Recovery	=		93.40%
50) Toluene-d8	10.42	98	998971	48.40	ug/l	-0.03
Spiked Amount			Recovery	=		96.80%
62) 4-Bromofluorobenzene	13.56	95	362337	43.31	ug/l	-0.02
Spiked Amount			Recovery	=		86.62%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	365853	52.826	ug/l	99
3) Chloromethane	1.76	50	276586	50.111	ug/l	99
4) Vinyl Chloride	1.85	62	300873	54.926	ug/l	98
5) Bromomethane	2.16	94	73054	60.355	ug/l	91
6) Chloroethane	2.28	64	100713	53.894	ug/l	96
7) Trichlorofluoromethane	2.54	101	427501	48.120	ug/l	100
8) Diethyl Ether	2.88	74	120664	51.826	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.16	101	428173	54.052	ug/l	98
10) Methyl Iodide	3.32	142	593972	47.182	ug/l	99
11) Tert butyl alcohol	4.07	59	88874	253.416	ug/l	100
12) 1,1-Dichloroethene	3.14	96	352072	52.867	ug/l	94
13) Acrolein	3.05	56	102570	302.111	ug/l	99
14) Allyl chloride	3.64	41	498734	54.943	ug/l	98
15) Acrylonitrile	4.20	53	265388	241.044	ug/l	95
16) Acetone	3.22	43	469534	320.350	ug/l	95
17) Carbon Disulfide	3.39	76	1157035	53.772	ug/l	100
18) Methyl Acetate	3.65	43	137326	46.746	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	620407	49.920	ug/l	98
20) Methylene Chloride	3.82	84	374192	51.499	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	371262	50.728	ug/l	98
22) Diisopropyl ether	5.13	45	1010843	52.096	ug/l	98
23) Vinyl Acetate	5.06	43	2714198	261.674	ug/l	98
24) 1,1-Dichloroethane	4.99	63	617417	52.482	ug/l	100
25) 2-Butanone	6.08	43	453857	271.991	ug/l	99
26) 2,2-Dichloropropane	6.03	77	517335	50.876	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	398517	50.230	ug/l	95
28) Bromochloromethane	6.44	49	206418	46.194	ug/l	90
29) Tetrahydrofuran	6.46	42	208523	256.542	ug/l	99
30) Chloroform	6.67	83	657816	50.132	ug/l	99
31) Cyclohexane	6.96	56	480160	53.316	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	627674	53.962	ug/l	97
36) 1,1-Dichloropropene	7.16	75	514761	54.637	ug/l	99
37) Ethyl Acetate	6.20	43	198230	49.161	ug/l	96
38) Carbon Tetrachloride	7.12	117	677570	56.955	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	521134	53.266	ug/l	98
40) Benzene	7.47	78	1176306	52.006	ug/l	99
41) Methacrylonitrile	6.45	41	244019	51.200	ug/l	98
42) 1,2-Dichloroethane	7.58	62	402073	51.040	ug/l	99
43) Isopropyl Acetate	9.25	43	294559	51.910	ug/l #	96
44) Trichloroethene	8.55	130	466680	53.596	ug/l	98
45) 1,2-Dichloropropane	8.94	63	309957	52.609	ug/l	100
46) Dibromomethane	9.07	93	205969	49.063	ug/l	96
47) Bromodichloromethane	9.39	83	502091	51.842	ug/l	98
48) Methyl methacrylate	9.13	41	158453	47.505	ug/l	96
49) 1,4-Dioxane	9.08	88	36401	998.456	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	879332	253.402	ug/l	97
52) Toluene	10.52	92	740216	51.068	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	440137	50.435	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	538436	52.562	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	258235	52.871	ug/l	97
56) Ethyl methacrylate	11.05	69	276401	51.562	ug/l	96
57) 1,3-Dichloropropane	11.41	76	386549	52.643	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	598082	234.566	ug/l	98
59) 2-Hexanone	11.54	43	703604	272.997	ug/l	98
60) Dibromochloromethane	11.69	129	406968	50.923	ug/l	96
61) 1,2-Dibromoethane	11.81	107	288187	47.986	ug/l	98
64) Tetrachloroethene	11.27	164	364424	52.531	ug/l	99
65) Chlorobenzene	12.40	112	868944	50.441	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	356861	49.431	ug/l	98
67) Ethyl Benzene	12.53	91	1328902	48.169	ug/l	100
68) m/p-Xylenes	12.67	106	1056511	101.951	ug/l	97
69) o-Xylene	13.05	106	483563	49.645	ug/l	98
70) Styrene	13.08	104	835465	49.844	ug/l	99
71) Bromoform	13.23	173	234009	54.608	ug/l	99
73) Isopropylbenzene	13.40	105	1398185	52.085	ug/l	100
74) N-amyl acetate	13.26	43	362518	50.220	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	281267	53.007	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	280054	51.519	ug/l	100
77) Bromobenzene	13.68	156	419959	55.073	ug/l	96
78) n-propylbenzene	13.78	91	1712308	55.209	ug/l	99
79) 2-Chlorotoluene	13.85	91	897637	49.544	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1096297	51.469	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	89633	50.815	ug/l	99
82) 4-Chlorotoluene	13.95	91	980842	47.296	ug/l	99
83) tert-Butylbenzene	14.19	119	1299165	51.945	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	1109649	51.827	ug/l	99
85) sec-Butylbenzene	14.37	105	1387497	53.665	ug/l	99
86) p-Isopropyltoluene	14.49	119	1294542	53.514	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	685009	51.457	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	666702	50.664	ug/l	96
89) n-Butylbenzene	14.80	91	1049221	48.999	ug/l	97
90) Hexachloroethane	15.01	117	360520	54.678	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	544616	48.840	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	38873	51.666	ug/l	89

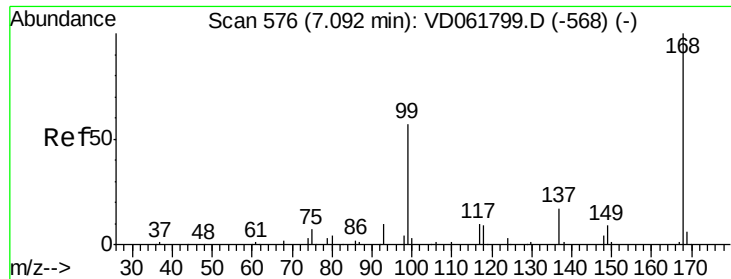
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041619\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	318301	51.972	ug/l	94
94) Hexachlorobutadiene	16.04	225	210222	47.365	ug/l	98
95) Naphthalene	16.13	128	490499	52.252	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	157857	45.230	ug/l	95

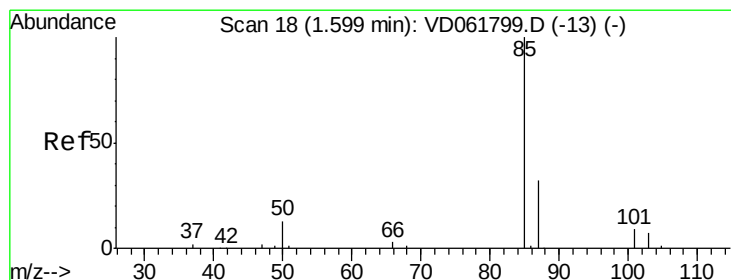
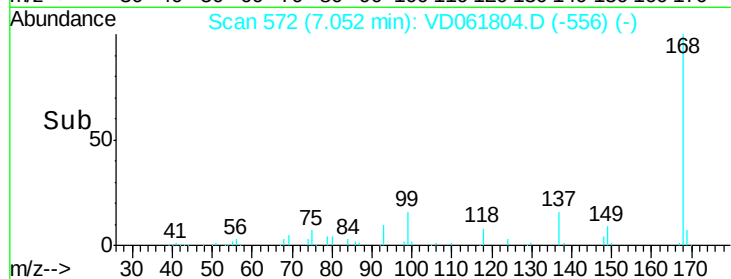
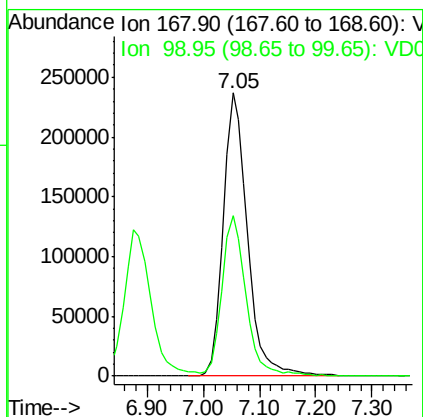
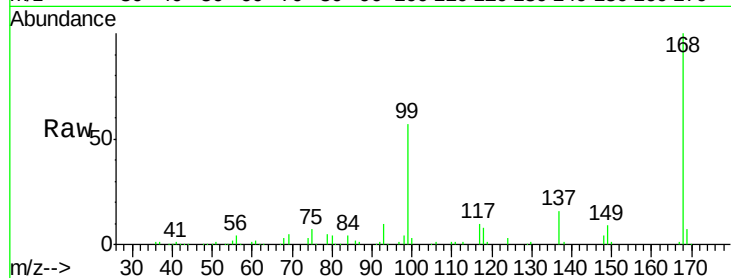
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

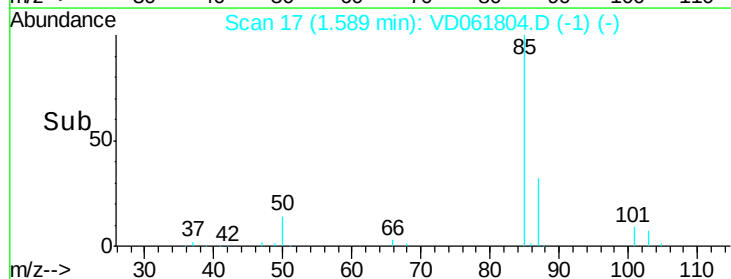
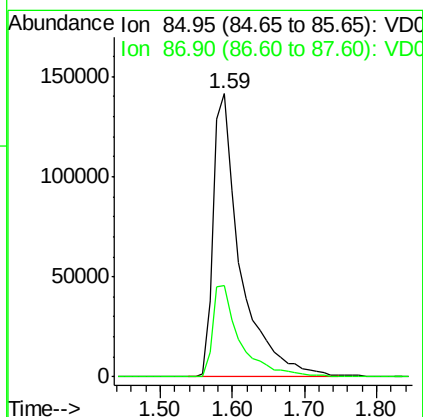
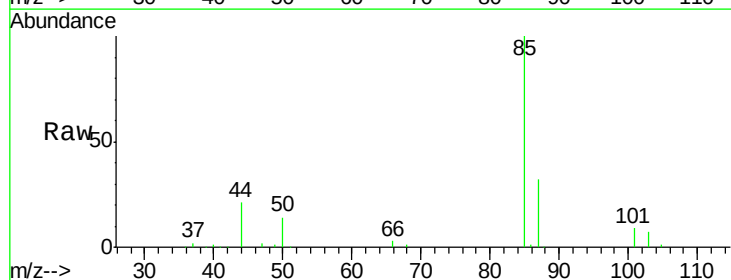
Instrument :
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ClientSampleId :
VSTDCCC050

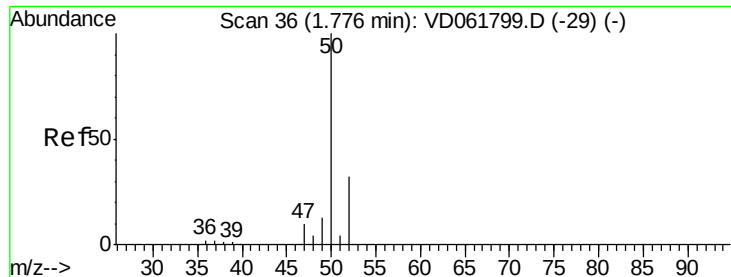
Tot Ion:168 Resp: 709575
Ion Ratio Lower Upper
168 100
99 56.5 46.5 69.7



#2
Dichlorodifluoromethane
Concen: 52.826 ug/l
RT: 1.59 min Scan# 17
Delta R.T. -0.01 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion: 85 Resp: 365853
Ion Ratio Lower Upper
85 100
87 32.1 16.2 48.6





#3

Chloromethane

Concen: 50.111 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.02 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

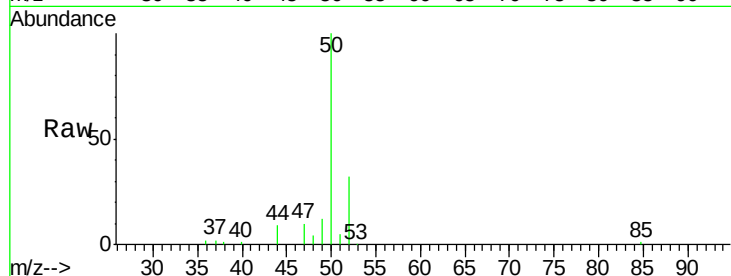
VSTDCCC050

Tot Ion: 50 Resp: 276586

Ion Ratio Lower Upper

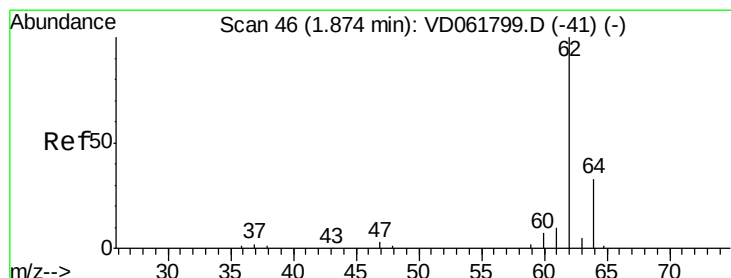
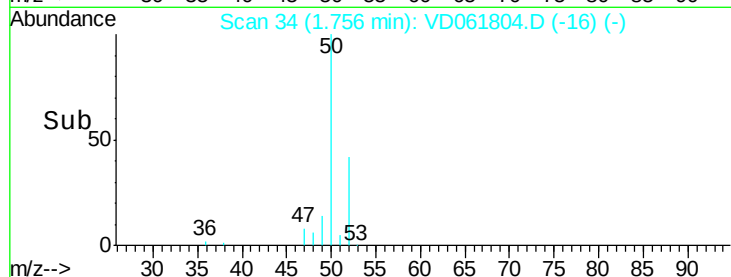
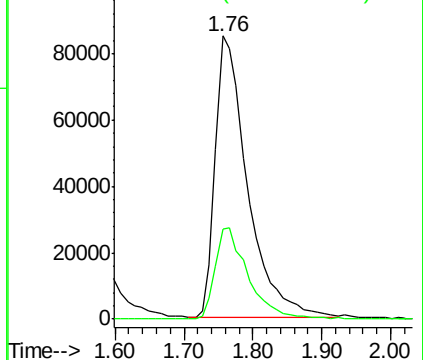
50 100

52 31.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.926 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.02 min

Lab File: VD061804.D

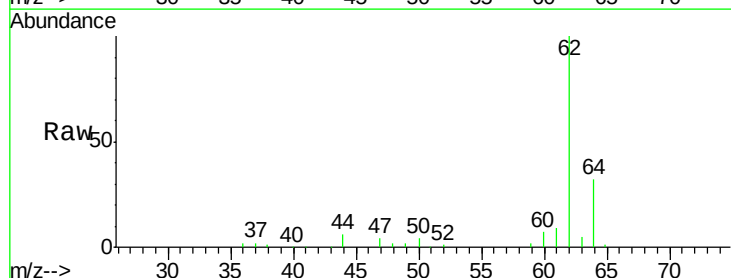
Acq: 16 Apr 2019 11:29

Tgt Ion: 62 Resp: 300873

Ion Ratio Lower Upper

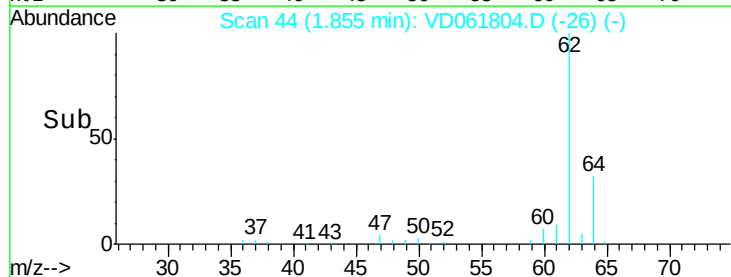
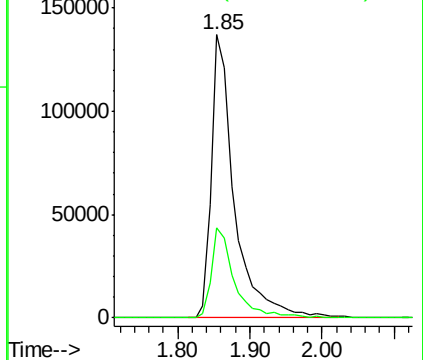
62 100

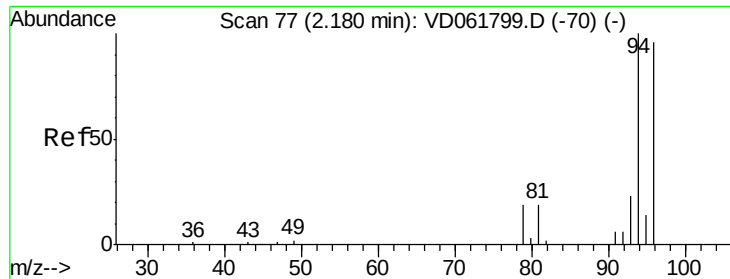
64 31.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 60.355 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.02 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

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ClientSampleId :

VSTDCCC050

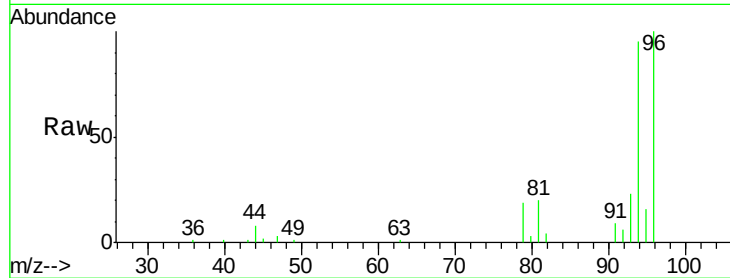
Tot Ion: 94 Resp: 73054

Ion Ratio Lower Upper

94 100

96 105.6 76.6 115.0

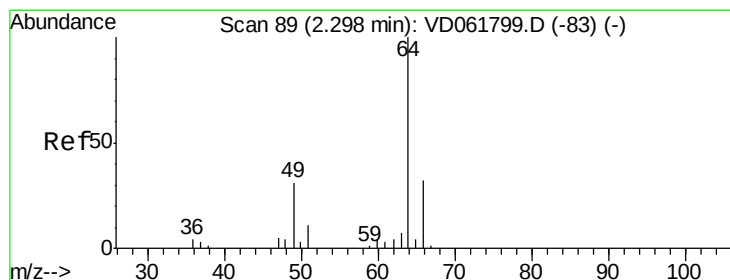
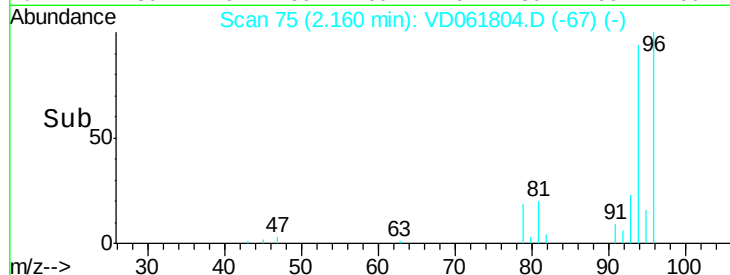
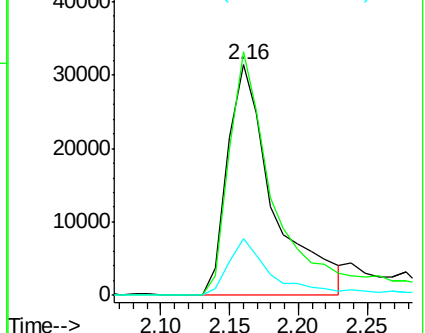
93 24.4 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 53.894 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.02 min

Lab File: VD061804.D

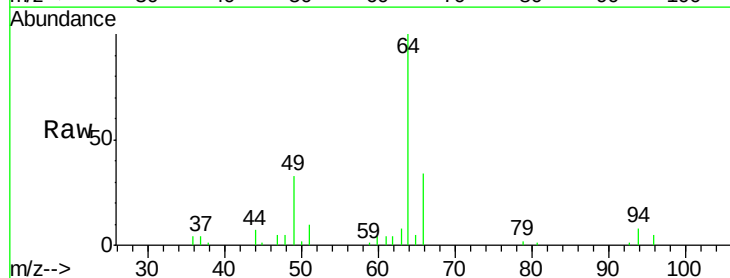
Acq: 16 Apr 2019 11:29

Tgt Ion: 64 Resp: 100713

Ion Ratio Lower Upper

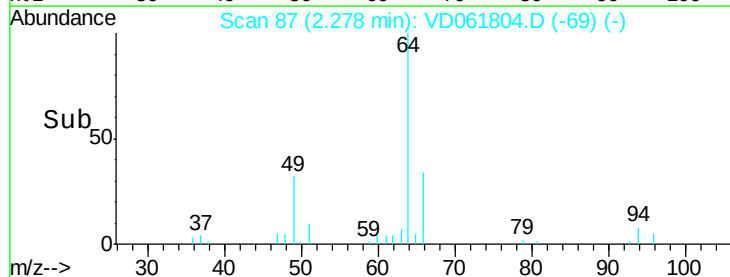
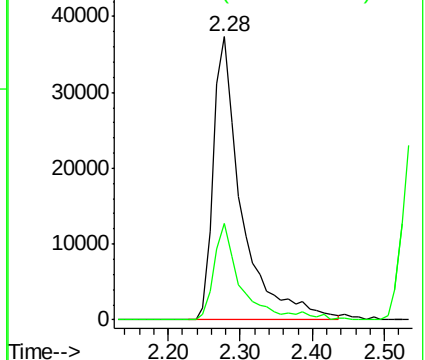
64 100

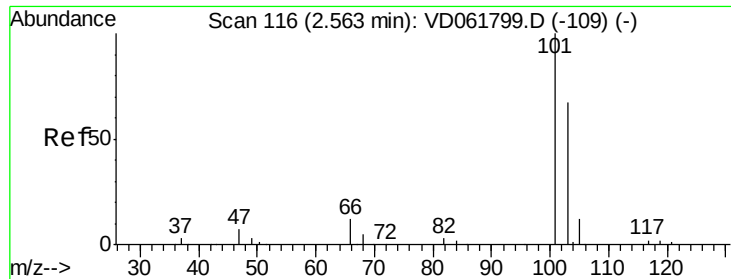
66 34.3 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



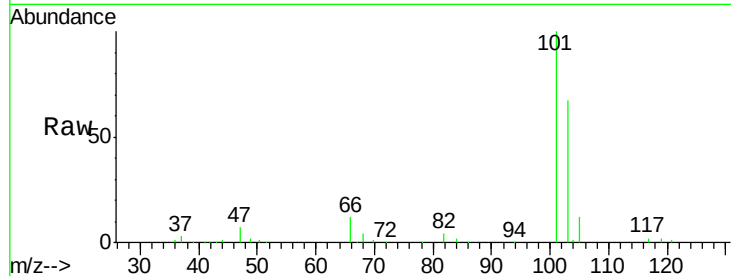


#7

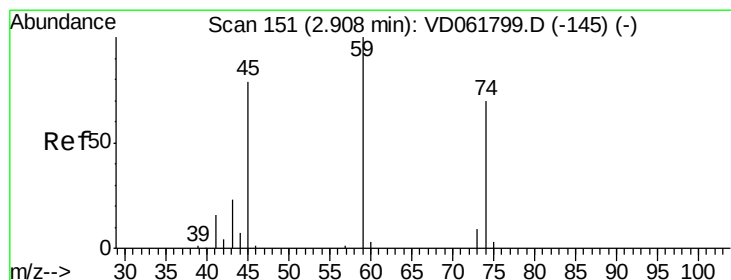
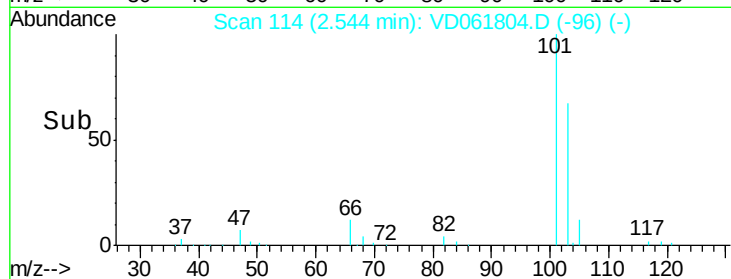
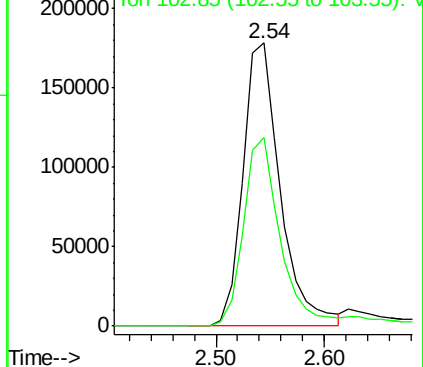
Trichlorofluoromethane
Concen: 48.120 ug/l
RT: 2.54 min Scan# 114
Delta R.T. -0.02 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Instrument :
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Tot Ion:101 Resp: 427501
Ion Ratio Lower Upper
101 100
103 66.6 53.6 80.4



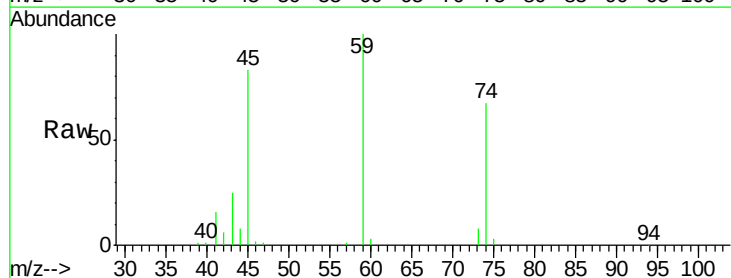
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



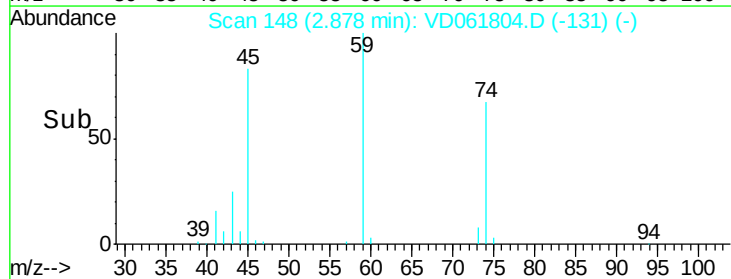
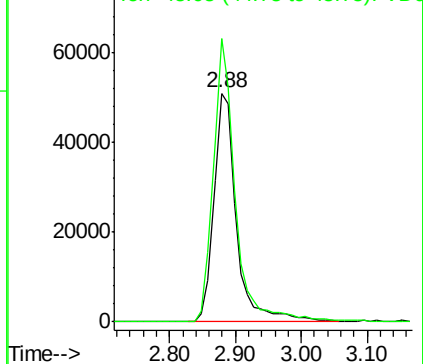
#8

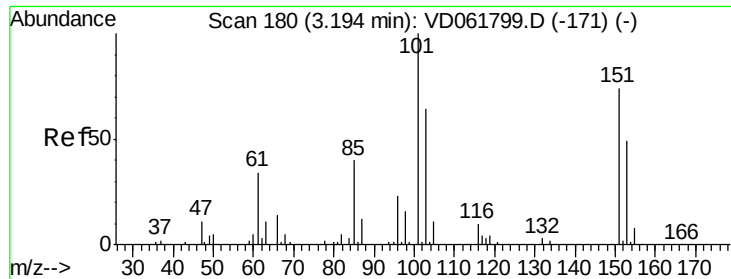
Diethyl Ether
Concen: 51.826 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.03 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion: 74 Resp: 120664
Ion Ratio Lower Upper
74 100
45 123.7 56.9 170.7



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: 54.052 ug/l

RT: 3.16 min Scan# 177

Delta R.T. -0.03 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

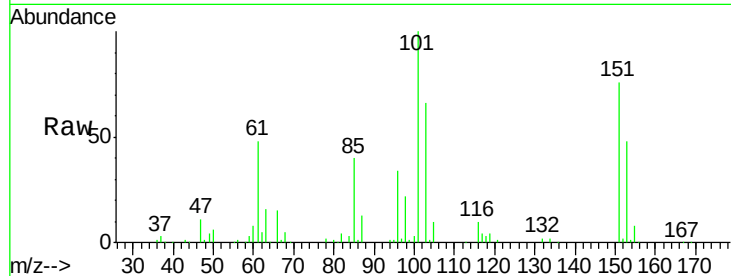
Tot Ion:101 Resp: 428173

Ion Ratio Lower Upper

101 100

85 40.3 32.4 48.6

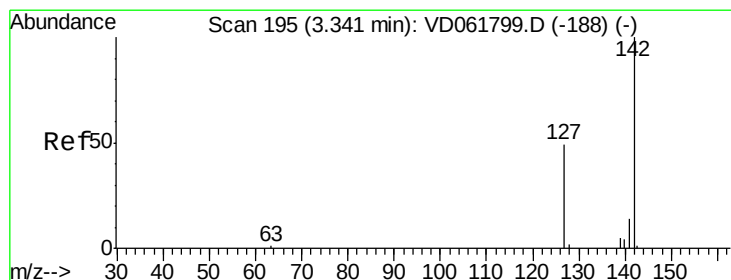
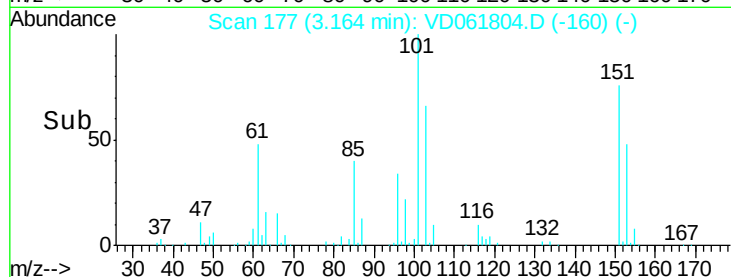
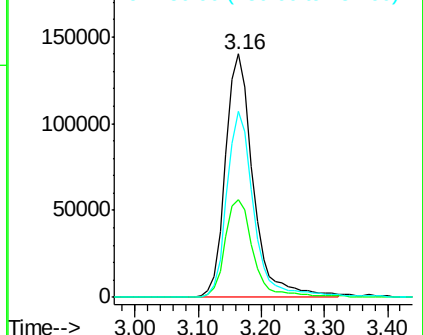
151 76.3 59.4 89.0



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: 47.182 ug/l

RT: 3.32 min Scan# 193

Delta R.T. -0.02 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

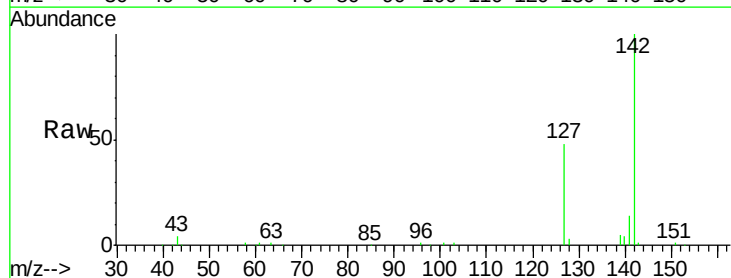
Tgt Ion:142 Resp: 593972

Ion Ratio Lower Upper

142 100

127 48.3 38.8 58.2

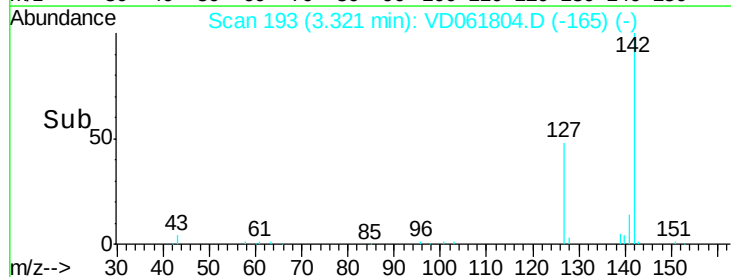
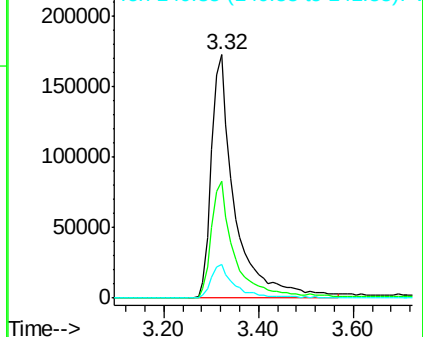
141 13.7 11.4 17.0

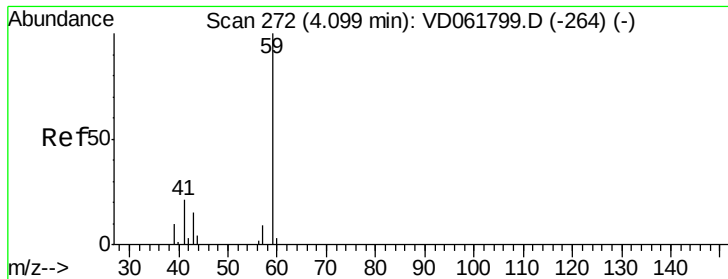


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

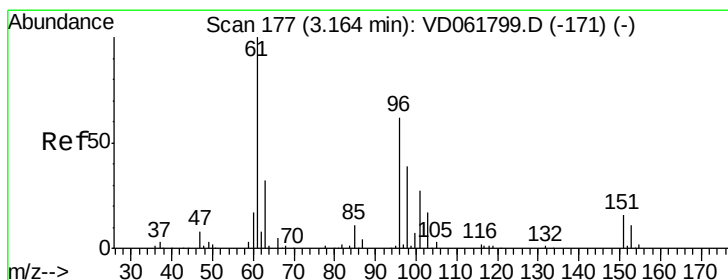
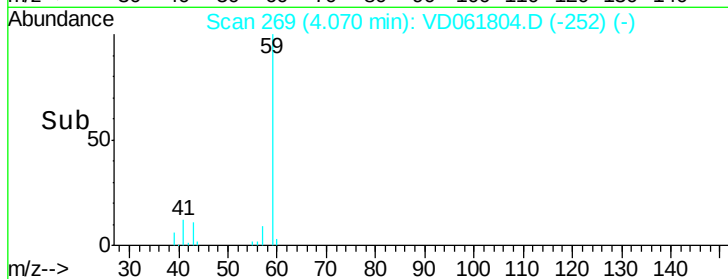
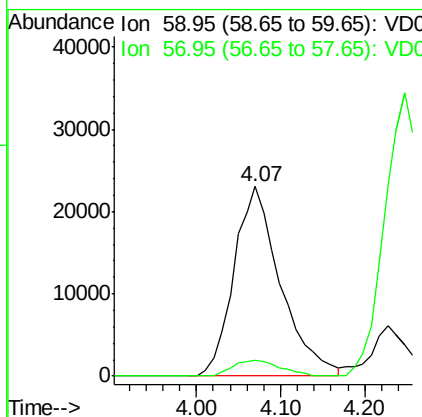
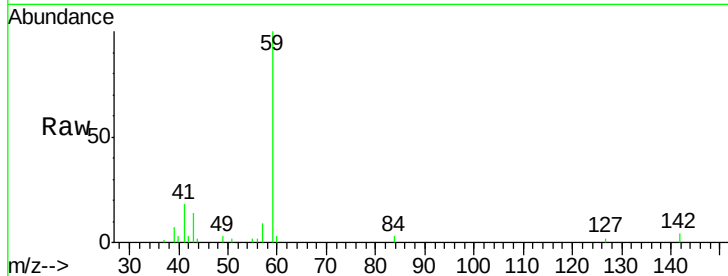




#11
Tert butyl alcohol
Concen: 253.416 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.03 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

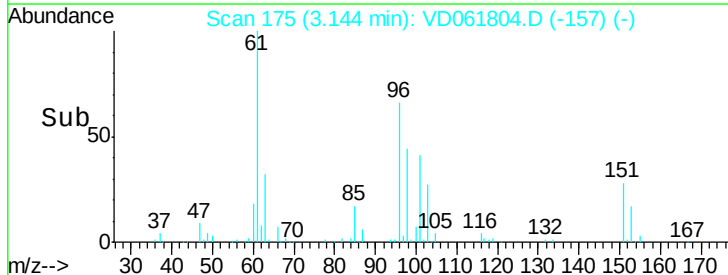
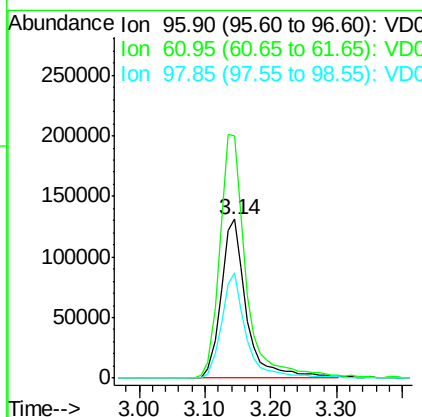
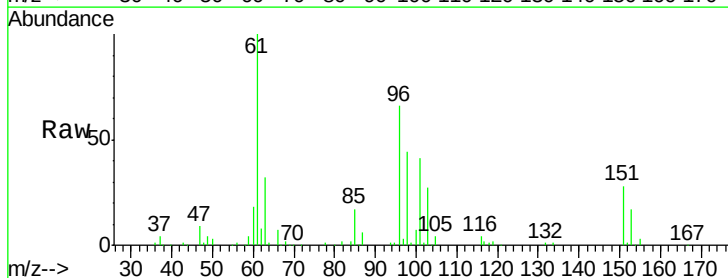
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

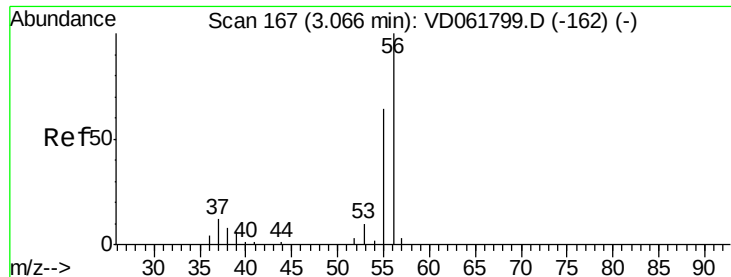
Tot Ion: 59 Resp: 88874
Ion Ratio Lower Upper
59 100
57 8.5 6.9 10.3



#12
1,1-Dichloroethene
Concen: 52.867 ug/l
RT: 3.14 min Scan# 175
Delta R.T. -0.02 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion: 96 Resp: 352072
Ion Ratio Lower Upper
96 100
61 152.4 129.8 194.8
98 66.5 51.2 76.8





#13

Acrolein

Concen: 302.111 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

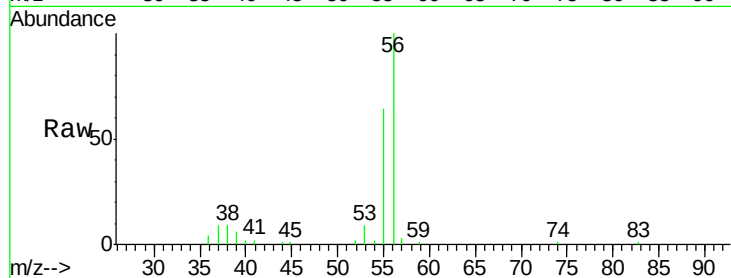
VSTDCCC050

Tot Ion: 56 Resp: 102570

Ion Ratio Lower Upper

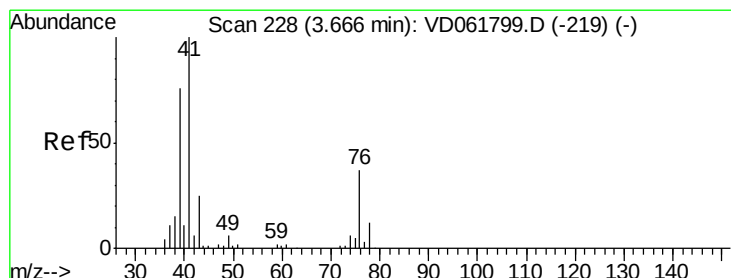
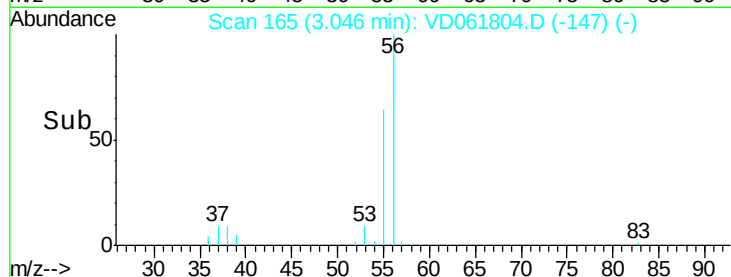
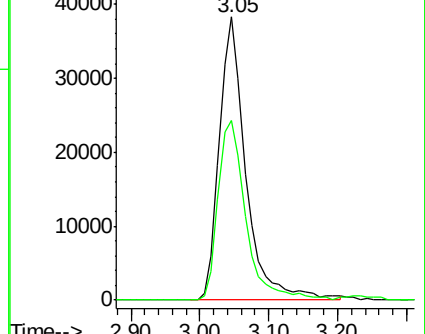
56 100

55 63.7 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.943 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.03 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

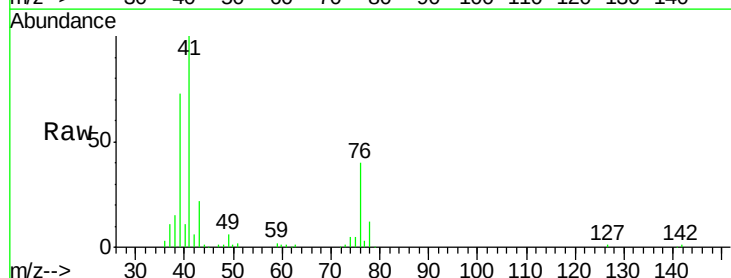
Tgt Ion: 41 Resp: 498734

Ion Ratio Lower Upper

41 100

39 72.7 60.5 90.7

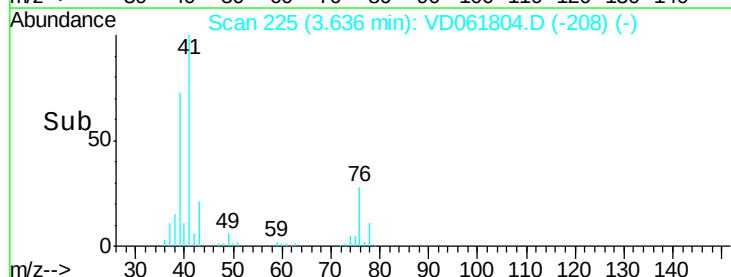
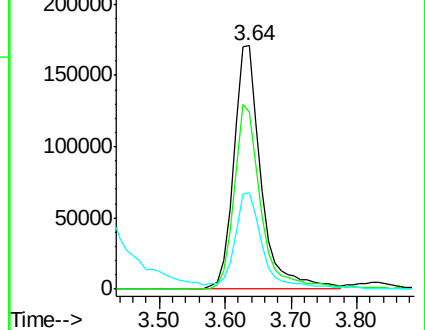
76 39.8 31.8 47.8

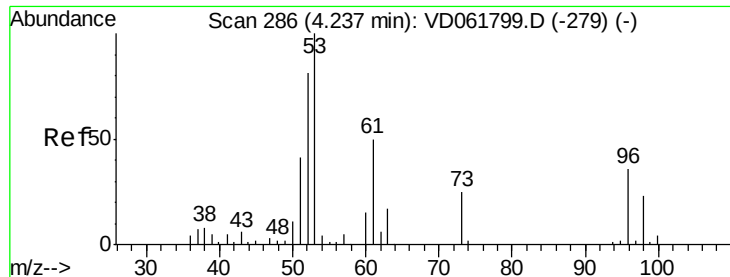


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 241.044 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.04 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

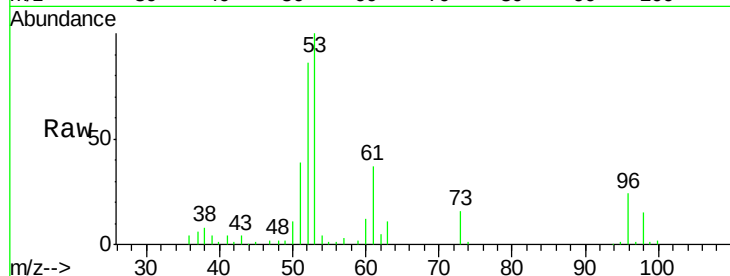
Tot Ion: 53 Resp: 265388

Ion Ratio Lower Upper

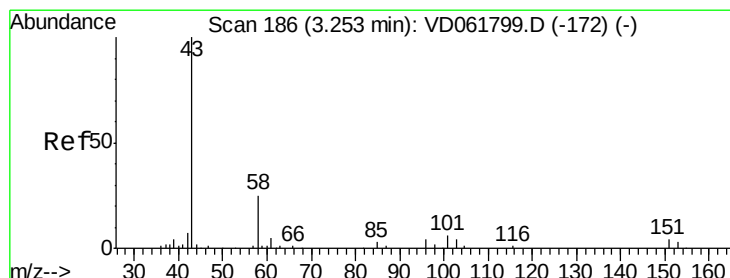
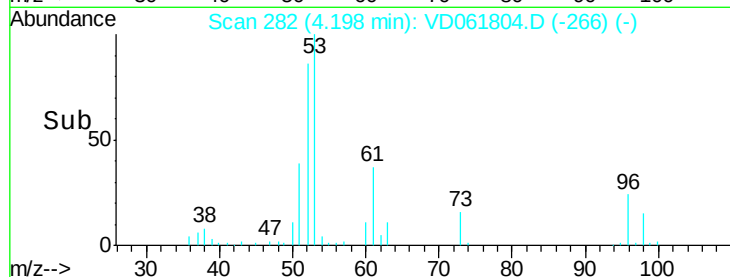
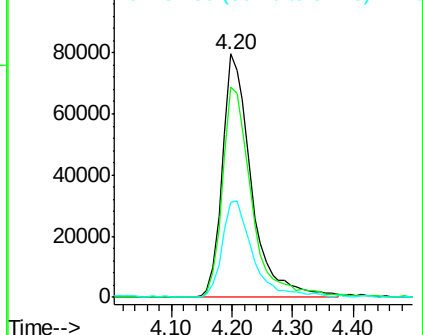
53 100

52 86.4 65.0 97.4

51 39.3 32.6 48.8



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: 320.350 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.03 min

Lab File: VD061804.D

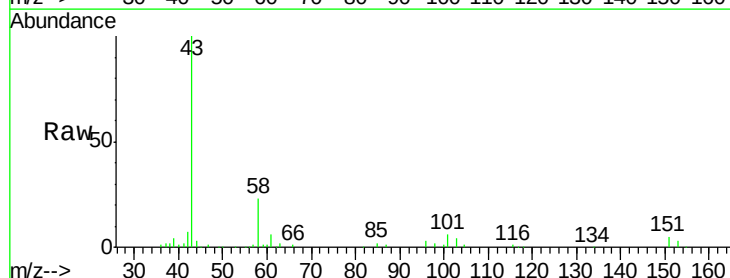
Acq: 16 Apr 2019 11:29

Tgt Ion: 43 Resp: 469534

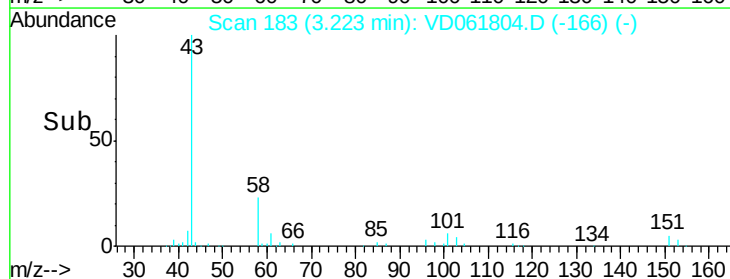
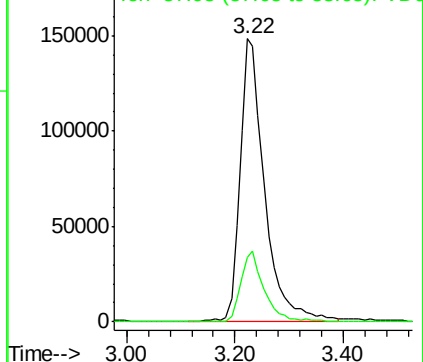
Ion Ratio Lower Upper

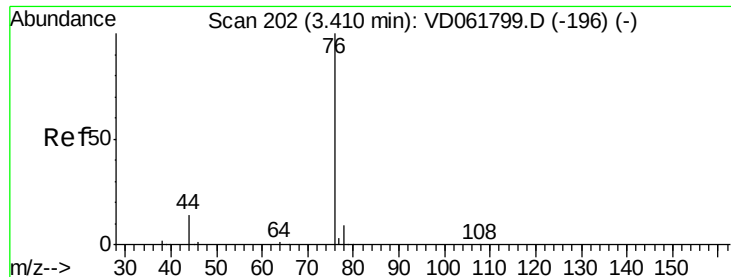
43 100

58 22.6 19.9 29.9



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





#17

Carbon Disulfide

Concen: 53.772 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.02 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

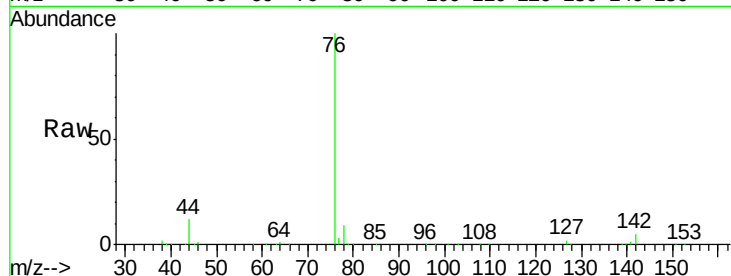
VSTDCCC050

Tot Ion: 76 Resp: 1157035

Ion Ratio Lower Upper

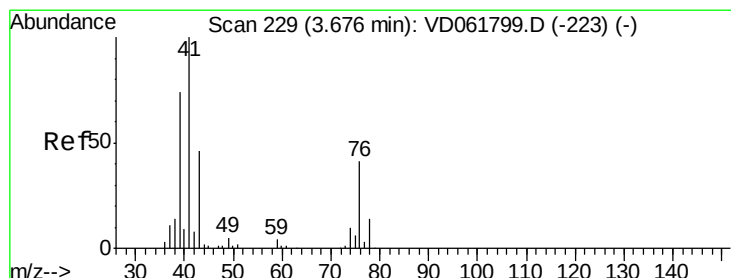
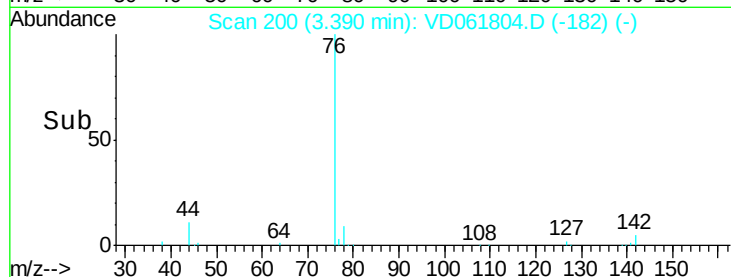
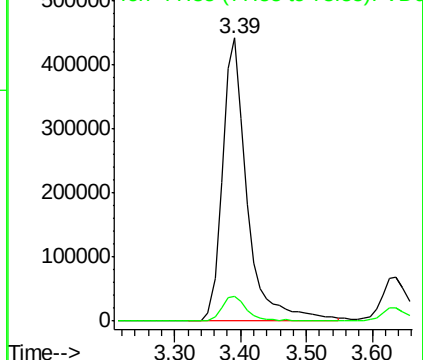
76 100

78 8.9 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 46.746 ug/l

RT: 3.65 min Scan# 226

Delta R.T. -0.03 min

Lab File: VD061804.D

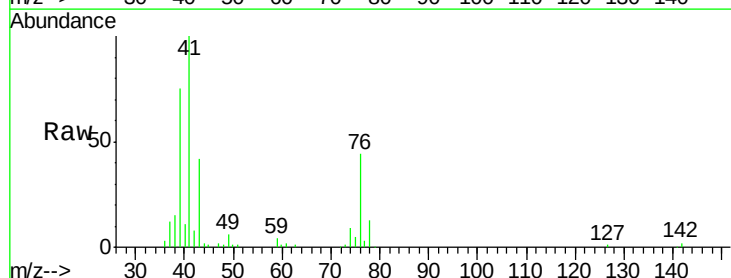
Acq: 16 Apr 2019 11:29

Tgt Ion: 43 Resp: 137326

Ion Ratio Lower Upper

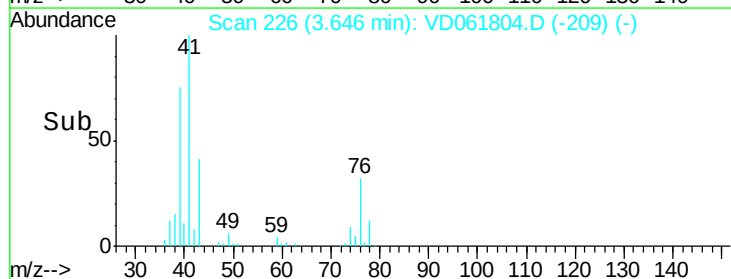
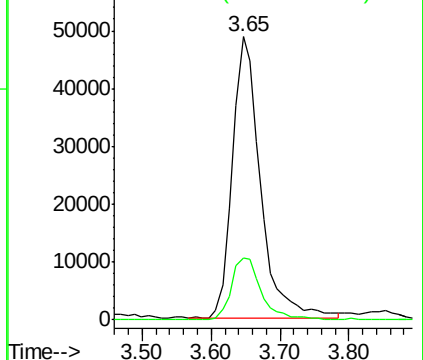
43 100

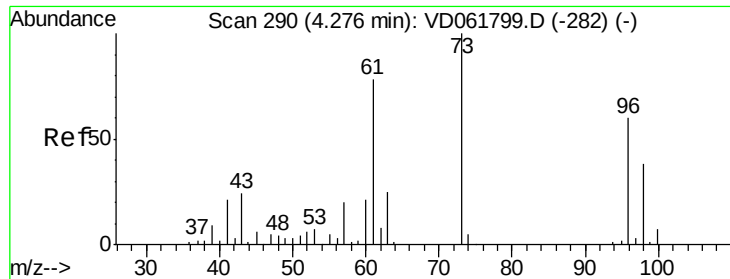
74 22.0 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

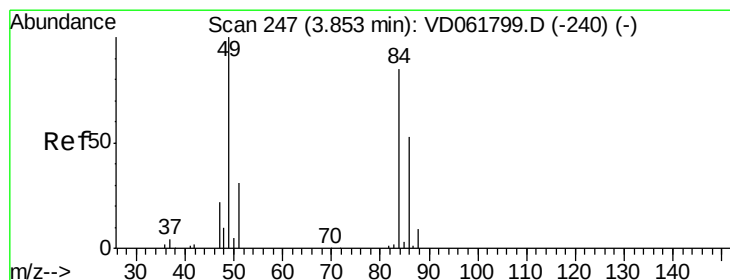
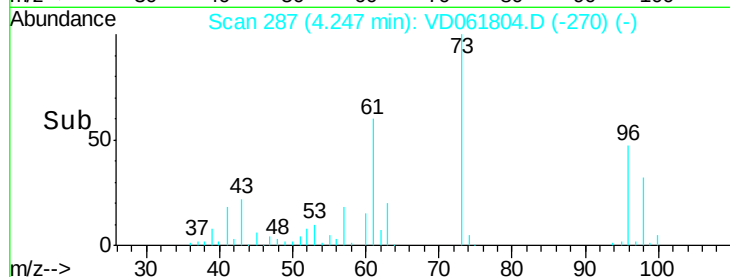
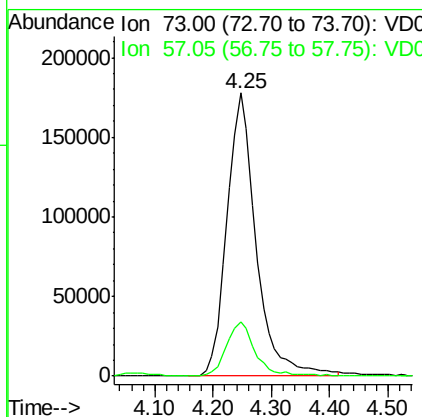
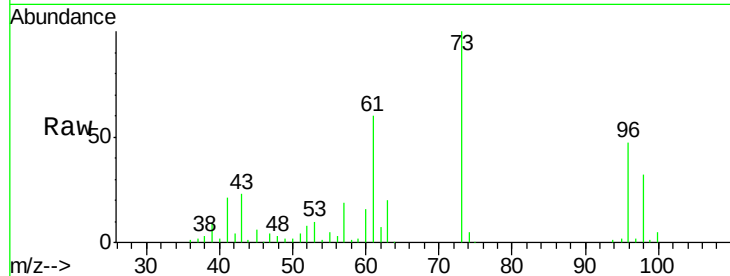




#19
Methyl tert-butyl Ether
Concen: 49.920 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.03 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

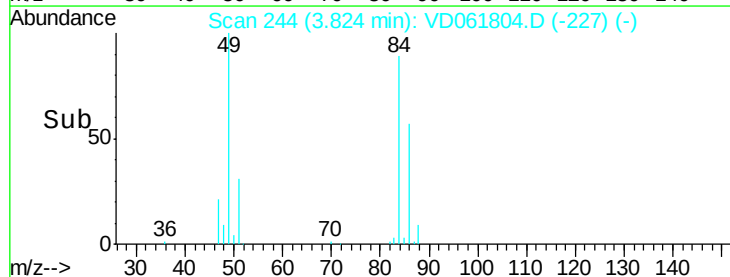
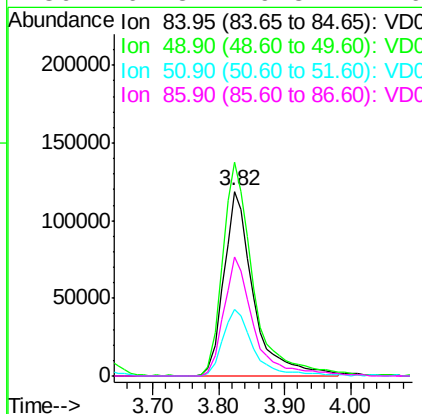
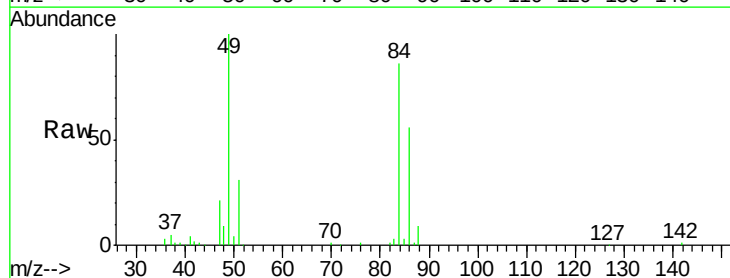
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

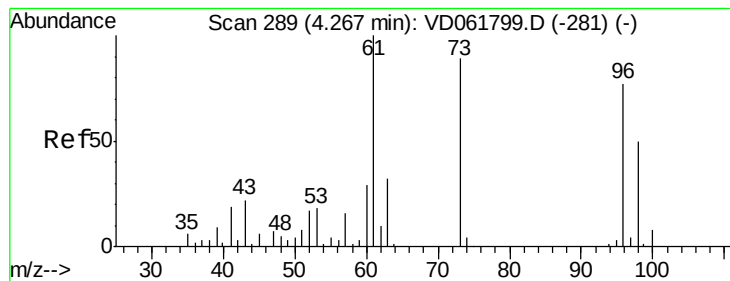
Tot Ion: 73 Resp: 620407
Ion Ratio Lower Upper
73 100
57 19.4 16.3 24.5



#20
Methylene Chloride
Concen: 51.499 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.03 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion: 84 Resp: 374192
Ion Ratio Lower Upper
84 100
49 115.9 94.0 141.0
51 35.9 29.0 43.4
86 64.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 50.728 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.04 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

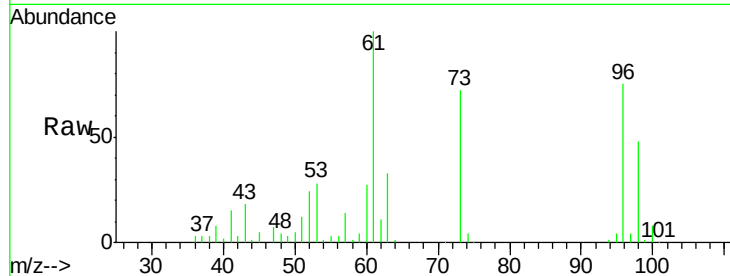
Tot Ion: 96 Resp: 371262

Ion Ratio Lower Upper

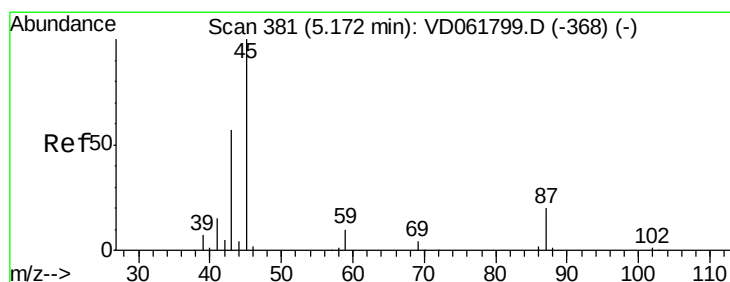
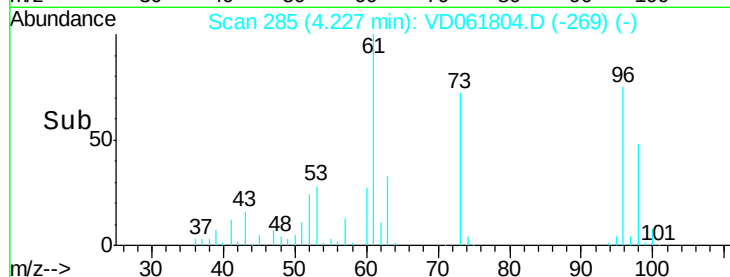
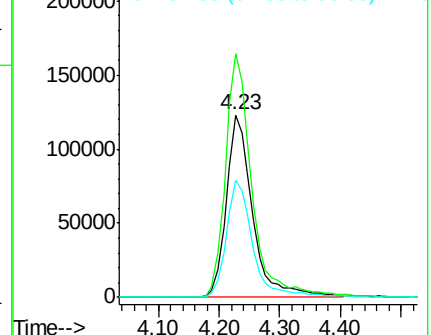
96 100

61 133.2 104.4 156.6

98 64.0 51.8 77.8



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: 52.096 ug/l

RT: 5.13 min Scan# 377

Delta R.T. -0.04 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Tgt Ion: 45 Resp: 1010843

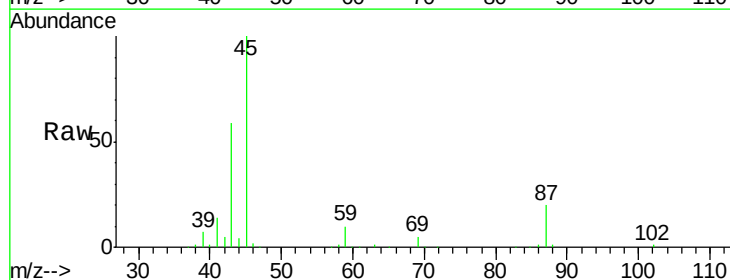
Ion Ratio Lower Upper

45 100

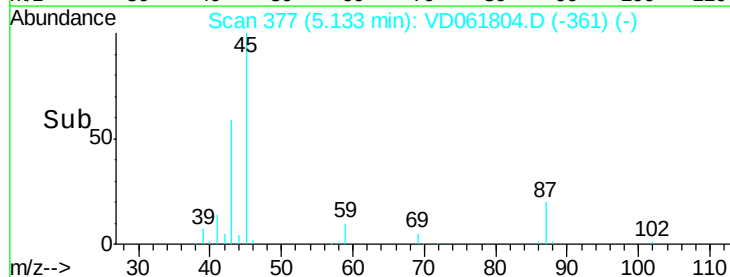
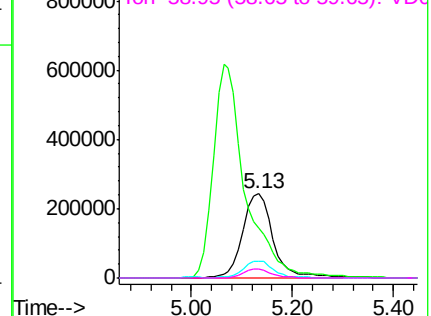
43 59.4 46.2 69.2

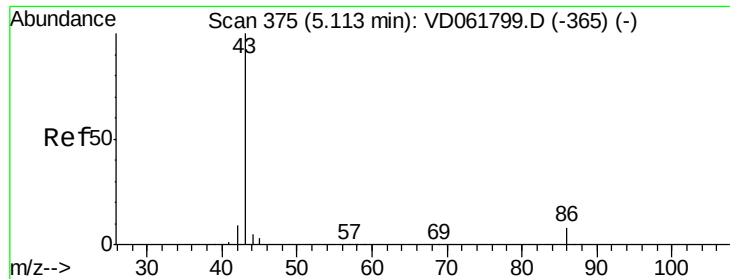
87 20.4 15.9 23.9

59 10.0 7.9 11.9



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: 261.674 ug/l

RT: 5.06 min Scan# 370

Delta R.T. -0.05 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

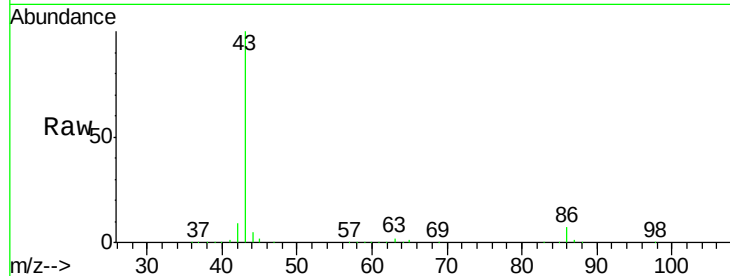
VSTDCCC050

Tot Ion: 43 Resp: 2714198

Ion Ratio Lower Upper

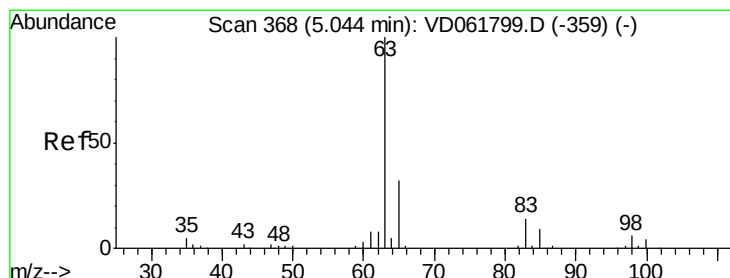
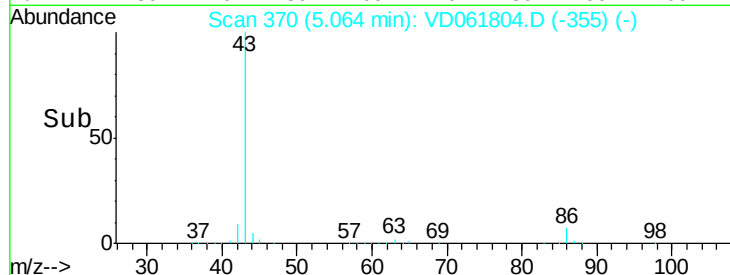
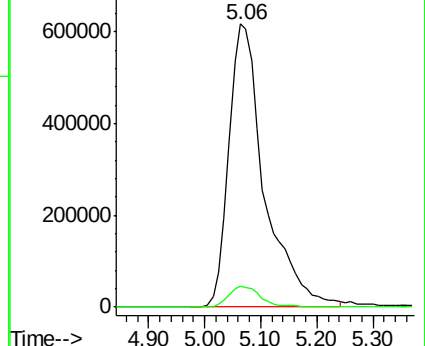
43 100

86 7.3 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.482 ug/l

RT: 4.99 min Scan# 363

Delta R.T. -0.05 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

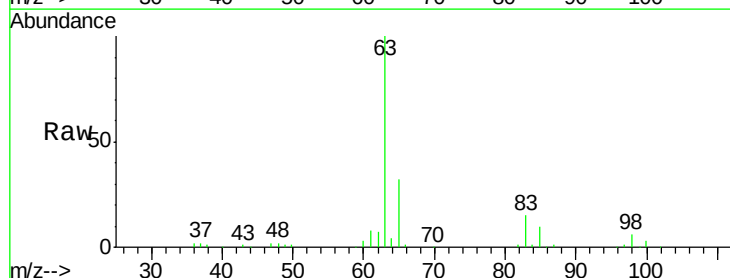
Tgt Ion: 63 Resp: 617417

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

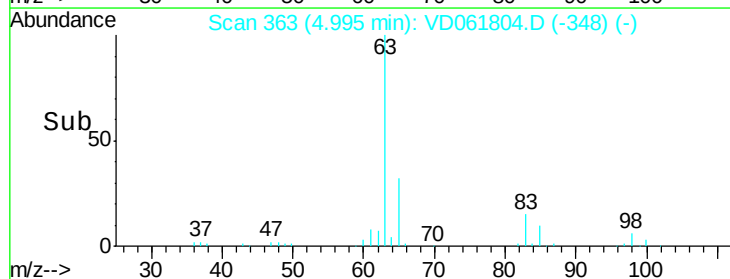
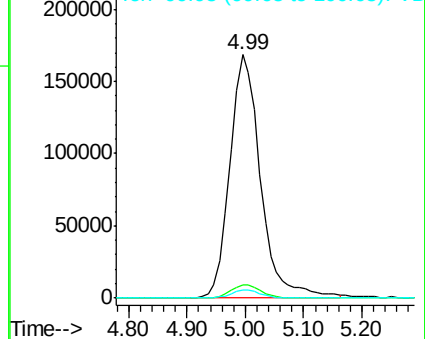
100 3.4 1.8 5.5

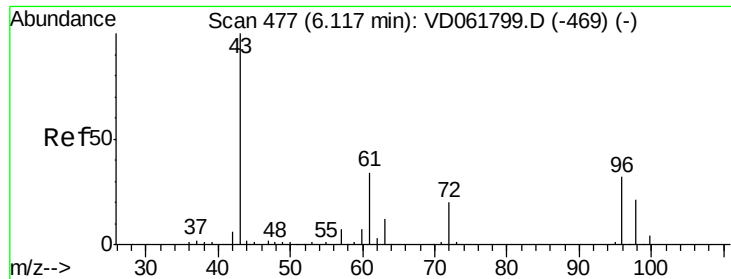


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

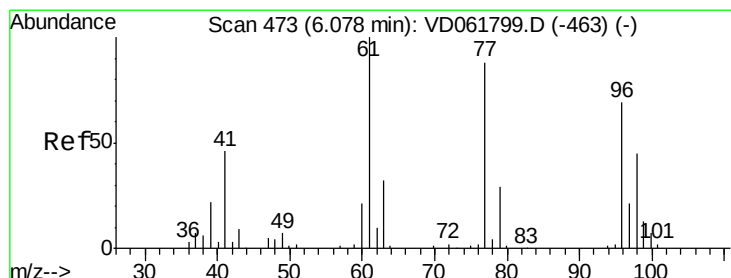
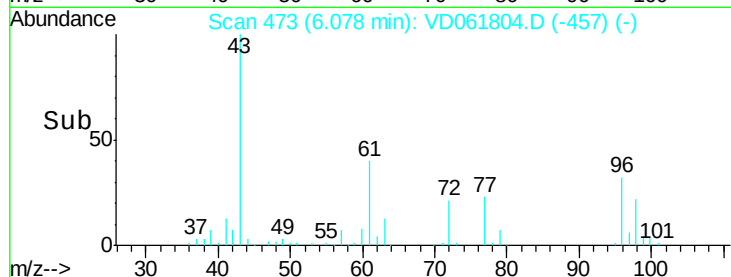
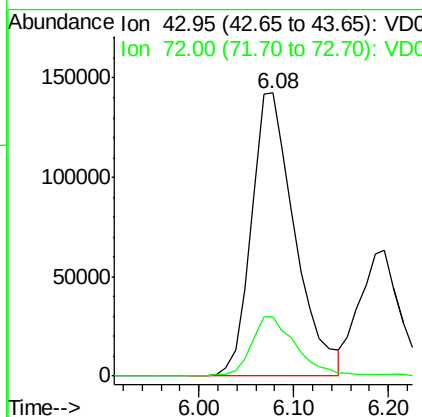
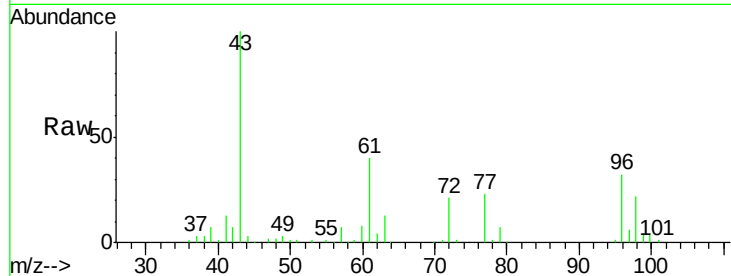




#25
2-Butanone
Concen: 271.991 ug/l
RT: 6.08 min Scan# 473
Delta R.T. -0.04 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

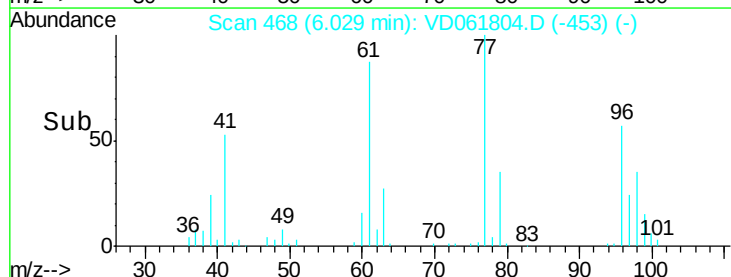
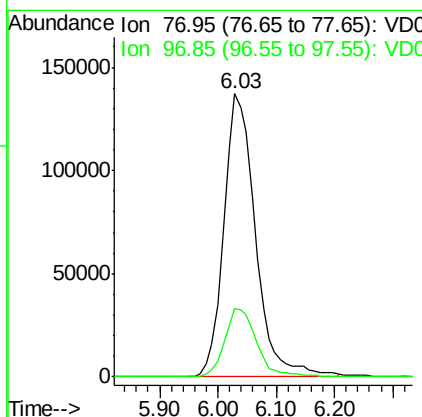
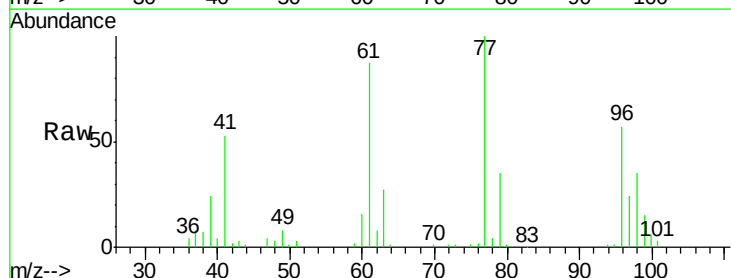
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

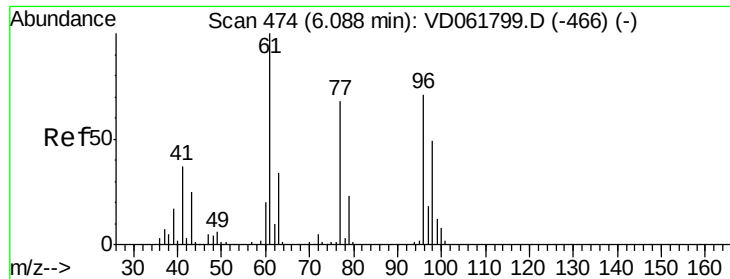
Tot Ion: 43 Resp: 453857
Ion Ratio Lower Upper
43 100
72 20.8 16.2 24.4



#26
2,2-Dichloropropane
Concen: 50.876 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.05 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion: 77 Resp: 517335
Ion Ratio Lower Upper
77 100
97 24.3 11.9 35.9



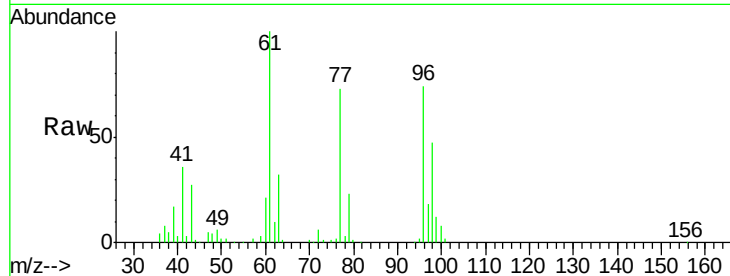


#27

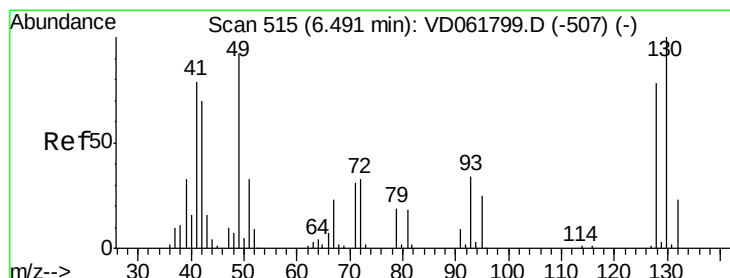
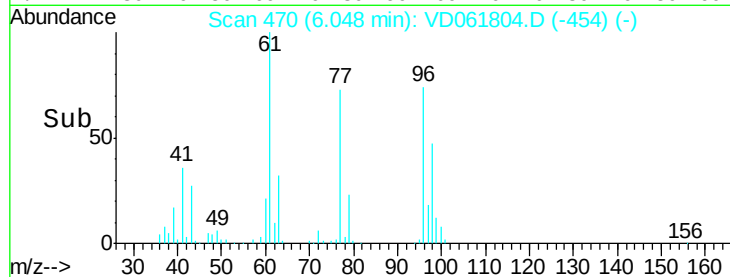
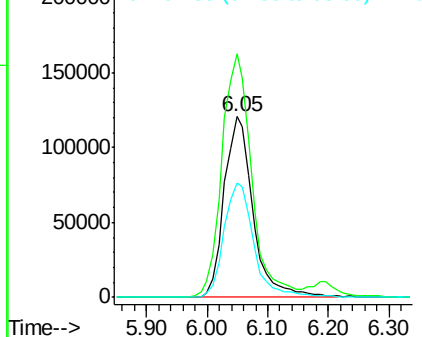
cis-1,2-Dichloroethene
Concen: 50.230 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.04 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	279.8
98	63.6	0.0	136.0



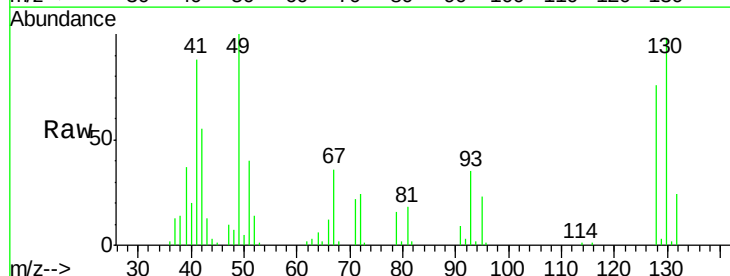
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



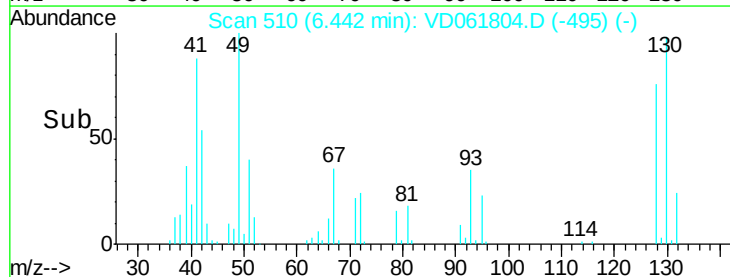
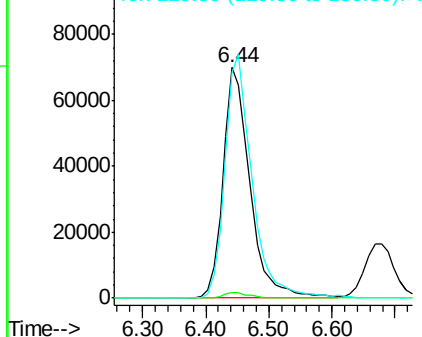
#28

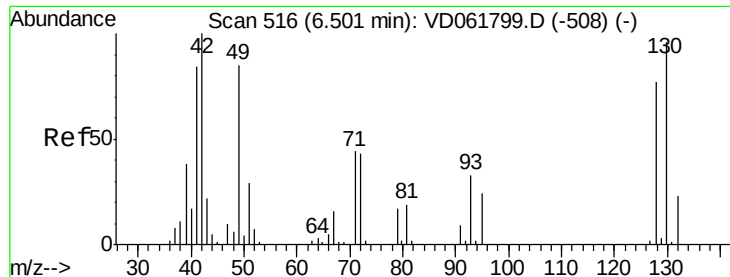
Bromochloromethane
Concen: 46.194 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.05 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	6.6
130	98.0	86.7	130.1



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

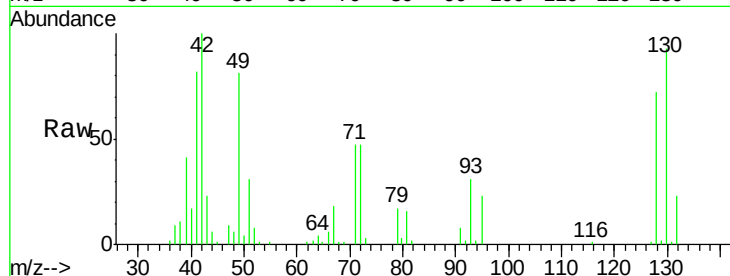




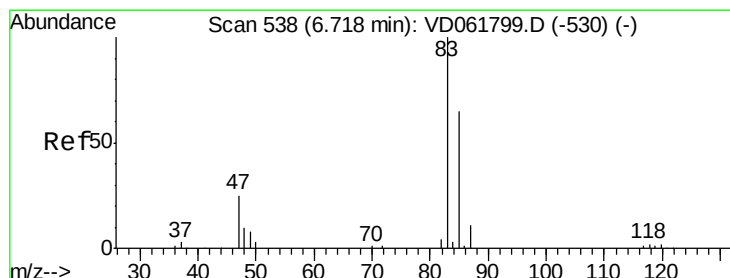
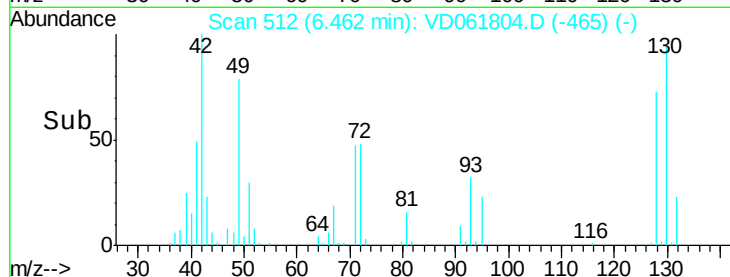
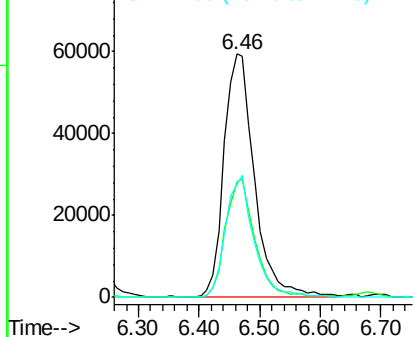
#29
Tetrahydrofuran
Concen: 256.542 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.04 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 208523
Ion Ratio Lower Upper
42 100
72 47.1 37.8 56.6
71 46.4 36.7 55.1

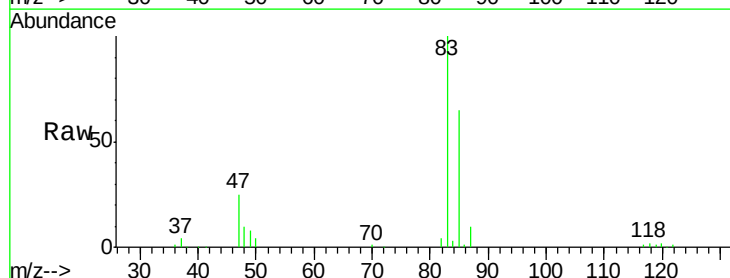


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

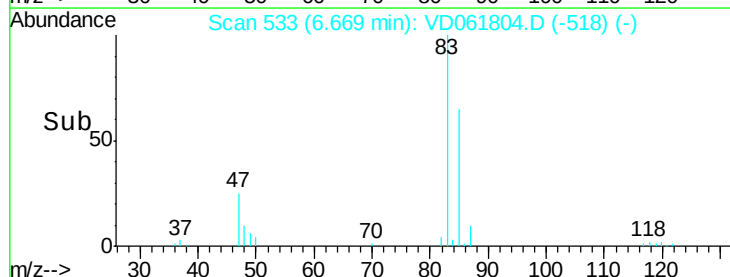
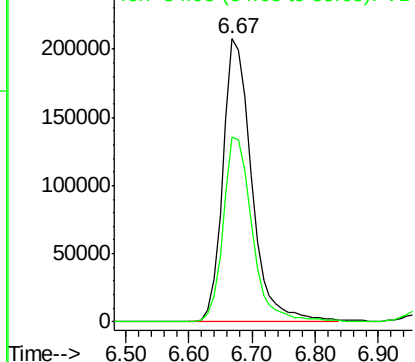


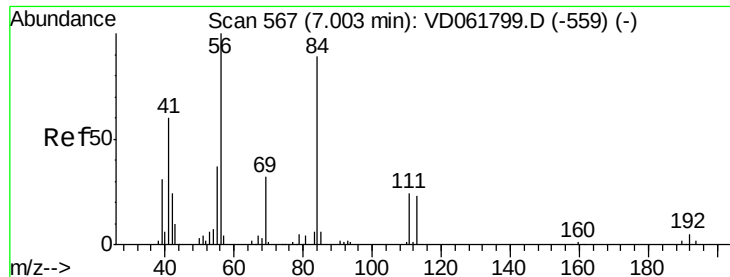
#30
Chloroform
Concen: 50.132 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.05 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion: 83 Resp: 657816
Ion Ratio Lower Upper
83 100
85 65.2 51.7 77.5



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

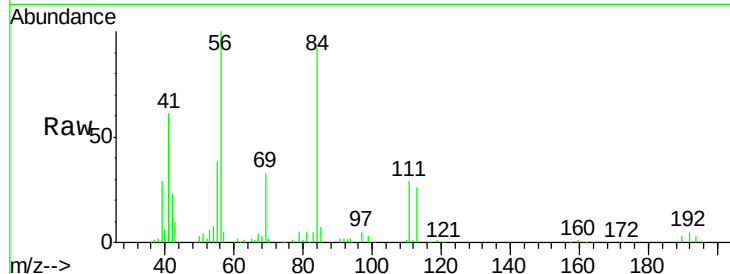




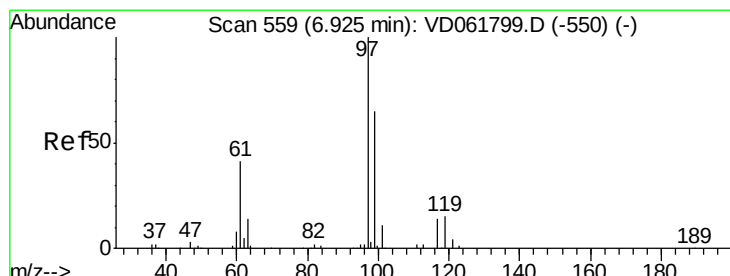
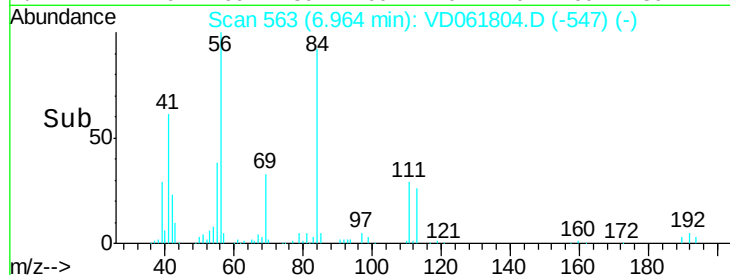
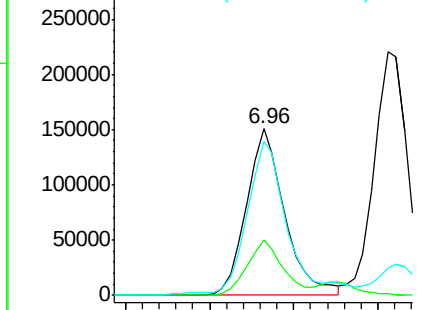
#31
Cyclohexane
Concen: 53.316 ug/l
RT: 6.96 min Scan# 563
Delta R.T. -0.04 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 480160
Ion Ratio Lower Upper
56 100
69 33.0 25.8 38.6
84 92.3 72.2 108.4

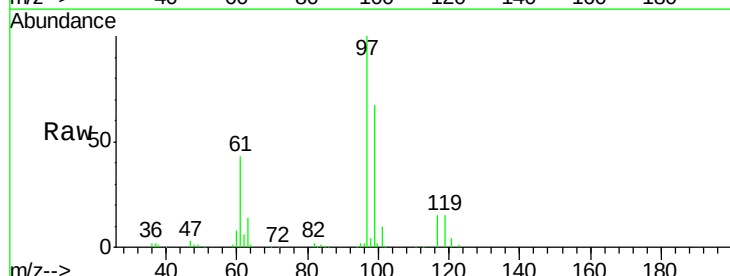


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

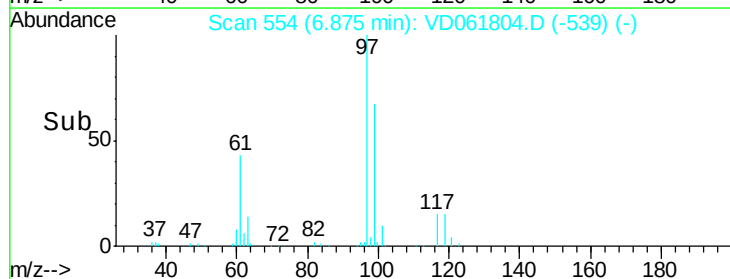
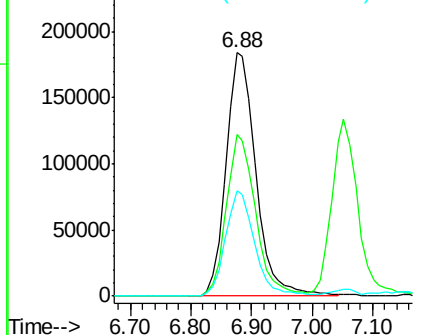


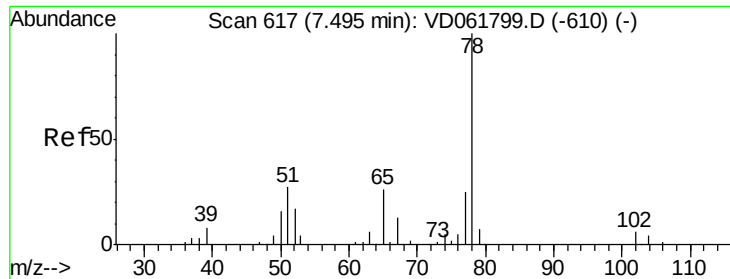
#32
1,1,1-Trichloroethane
Concen: 53.962 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.05 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion: 97 Resp: 627674
Ion Ratio Lower Upper
97 100
99 66.6 52.2 78.2
61 43.0 32.4 48.6



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

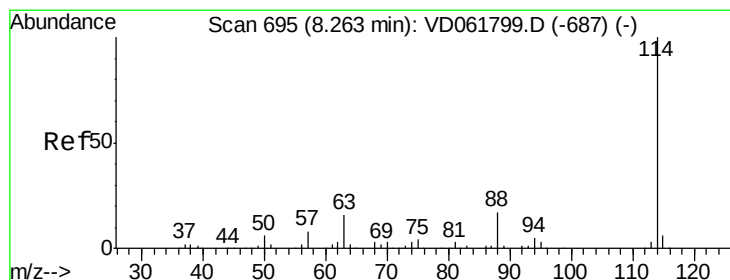
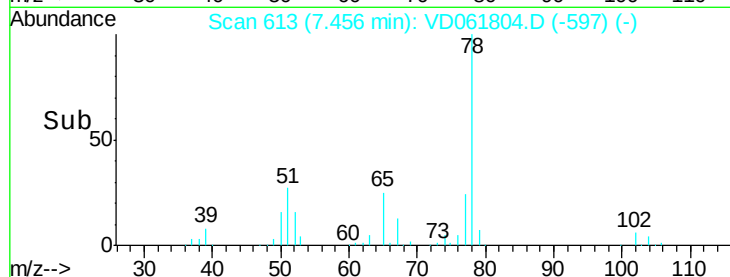
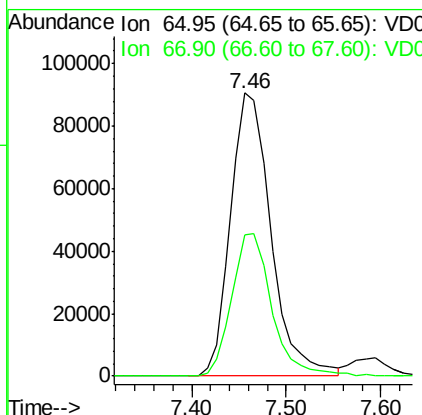
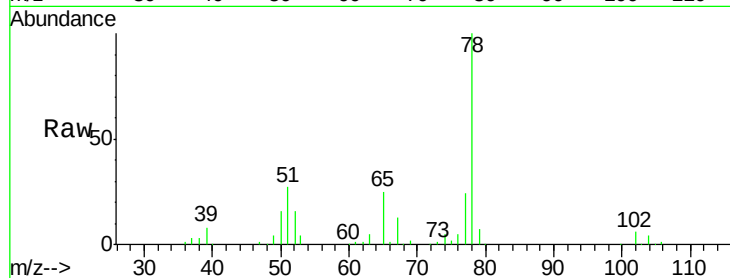




#33
 1,2-Dichloroethane-d4
 Concen: 53.962 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.04 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

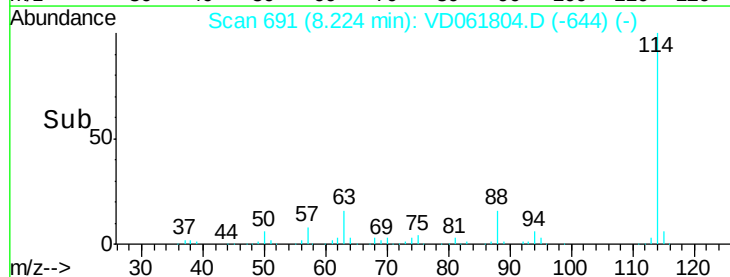
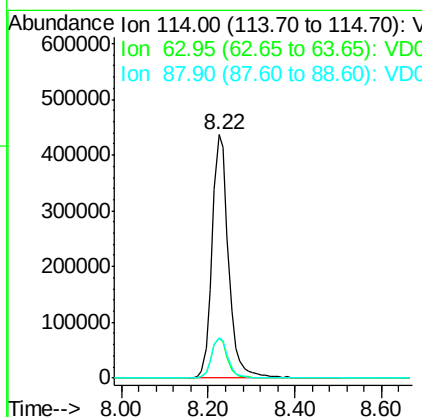
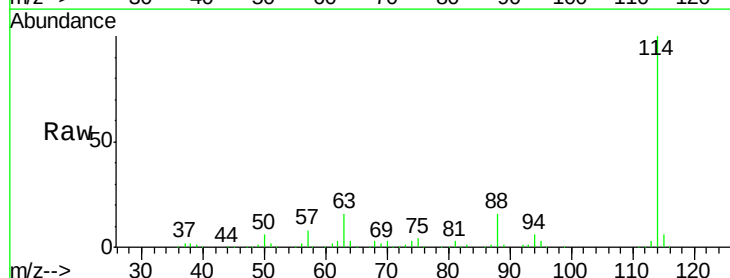
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

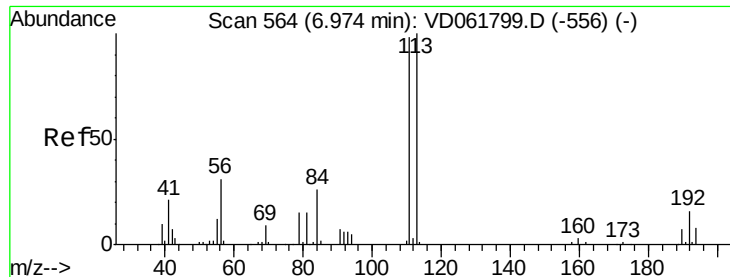
Tot Ion: 65 Resp: 268450
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Tgt Ion: 114 Resp: 1152948
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 32.4
 88 16.4 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.04 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

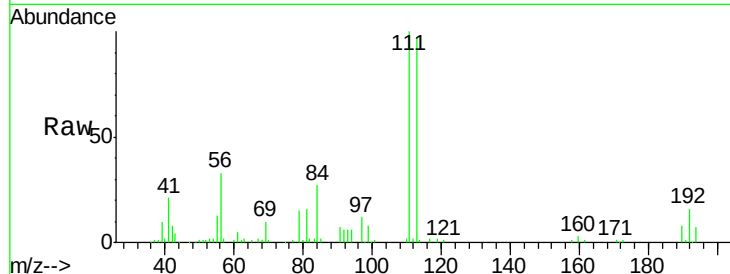
Tot Ion:113 Resp: 406750

Ion Ratio Lower Upper

113 100

111 102.7 78.5 117.7

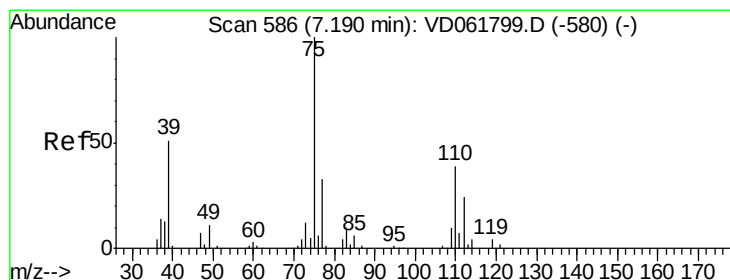
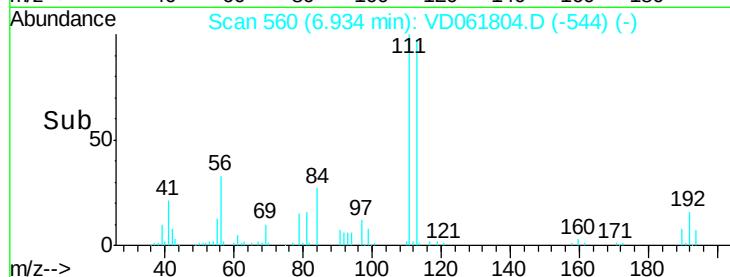
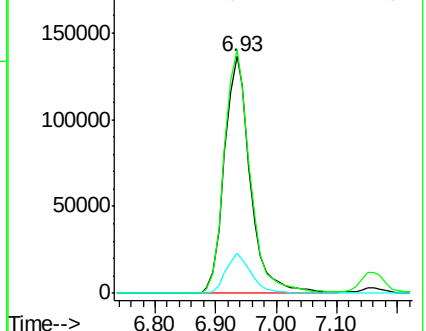
192 16.9 13.0 19.4



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: 54.637 ug/l

RT: 7.16 min Scan# 583

Delta R.T. -0.03 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

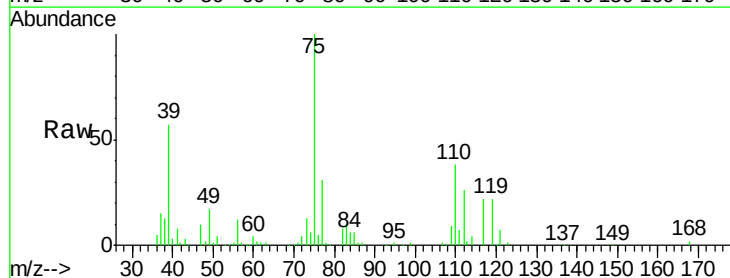
Tgt Ion: 75 Resp: 514761

Ion Ratio Lower Upper

75 100

110 37.9 19.1 57.1

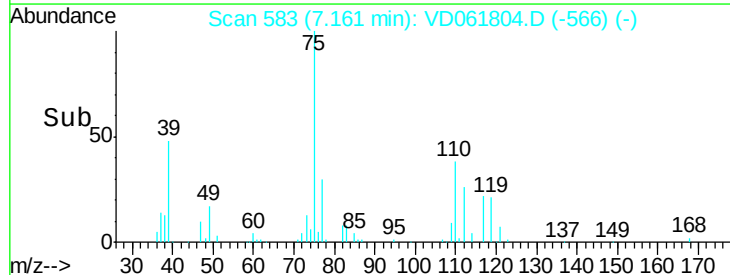
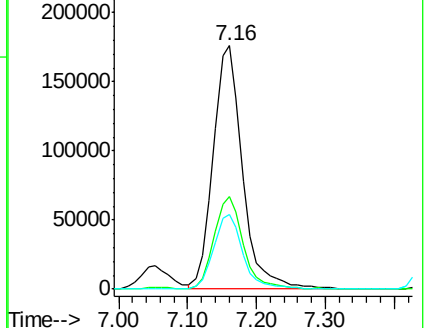
77 30.8 25.6 38.4

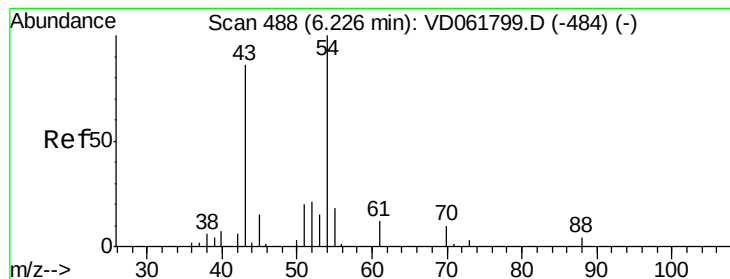


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 49.161 ug/l

RT: 6.20 min Scan# 485

Delta R.T. -0.03 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

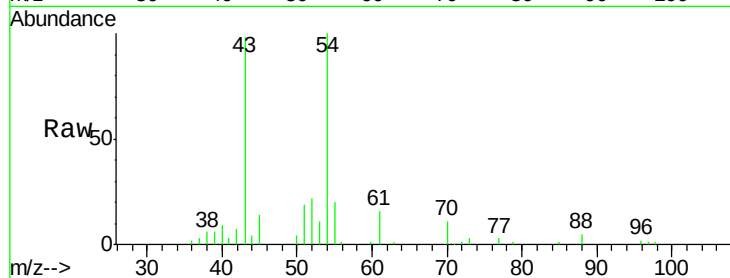
Tot Ion: 43 Resp: 198230

Ion Ratio Lower Upper

43 100

61 16.8 14.7 22.1

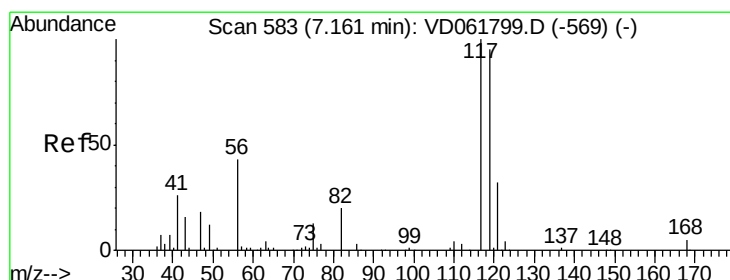
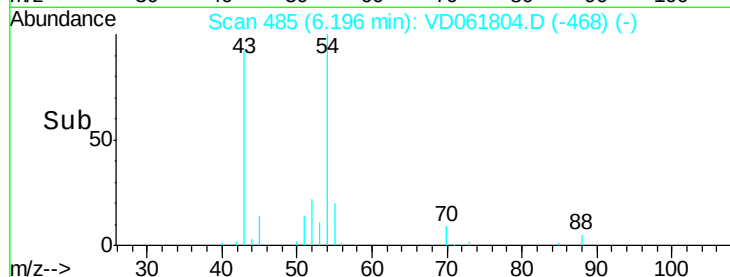
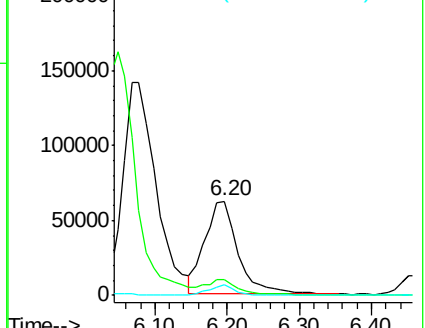
70 11.0 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 56.955 ug/l

RT: 7.12 min Scan# 579

Delta R.T. -0.04 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

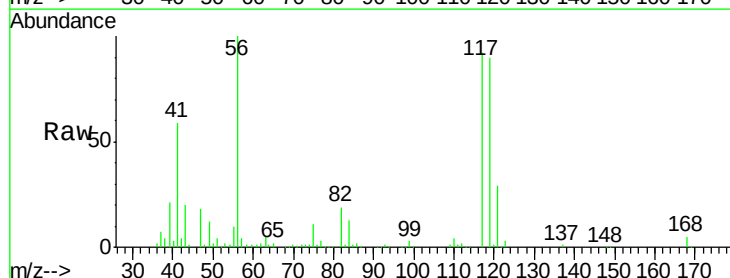
Tgt Ion: 117 Resp: 677570

Ion Ratio Lower Upper

117 100

119 97.4 75.8 113.8

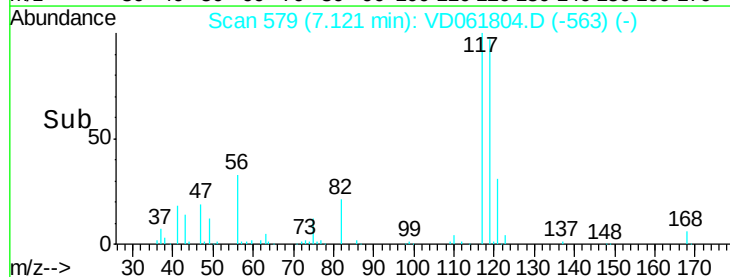
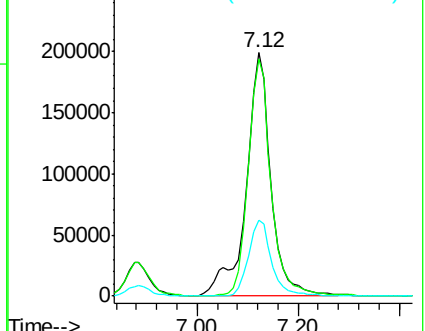
121 31.2 25.9 38.9

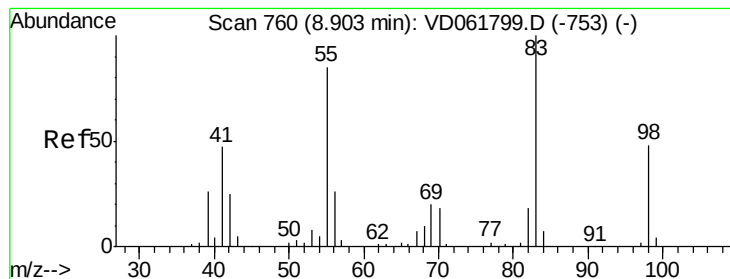


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 53.266 ug/l

RT: 8.87 min Scan# 757

Delta R.T. -0.03 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

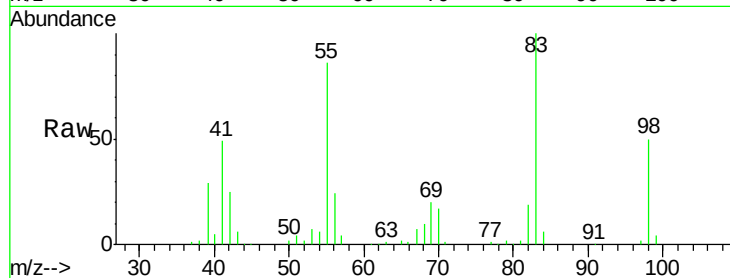
Tot Ion: 83 Resp: 521134

Ion Ratio Lower Upper

83 100

55 86.3 68.2 102.4

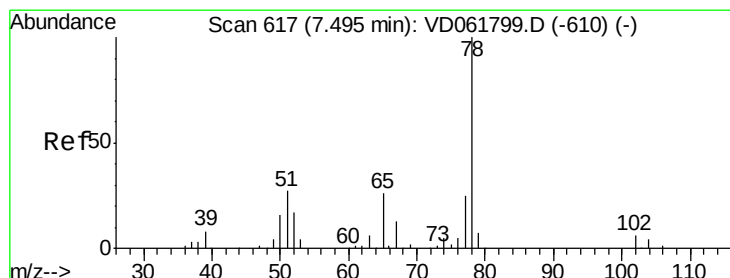
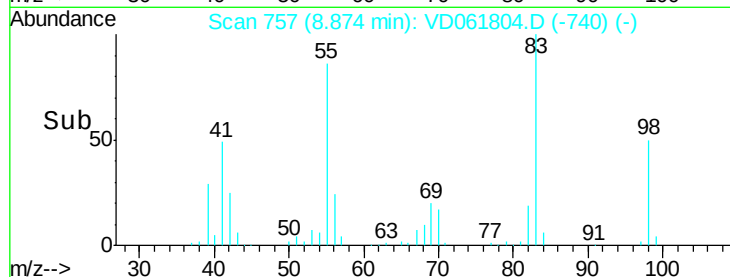
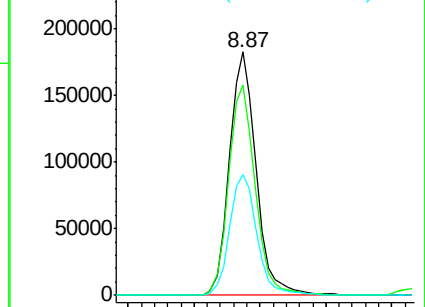
98 49.7 38.2 57.4



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: 52.006 ug/l

RT: 7.47 min Scan# 614

Delta R.T. -0.03 min

Lab File: VD061804.D

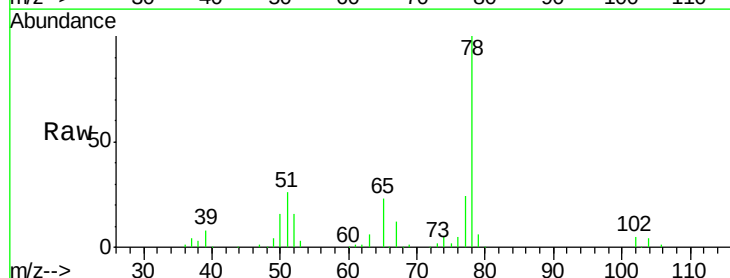
Acq: 16 Apr 2019 11:29

Tgt Ion: 78 Resp: 1176306

Ion Ratio Lower Upper

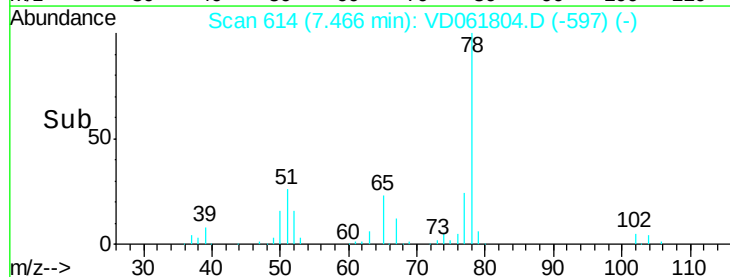
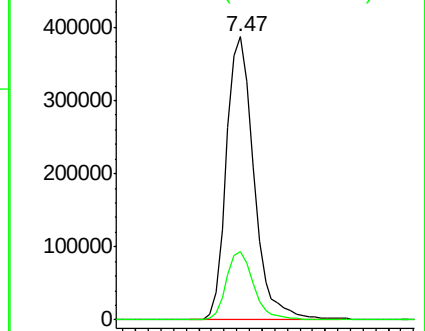
78 100

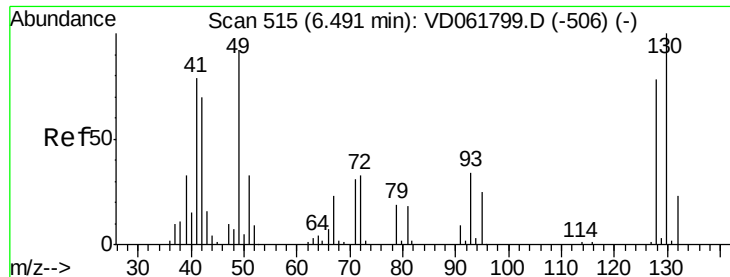
77 24.1 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

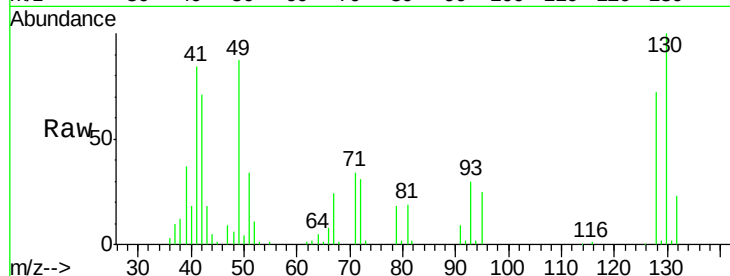




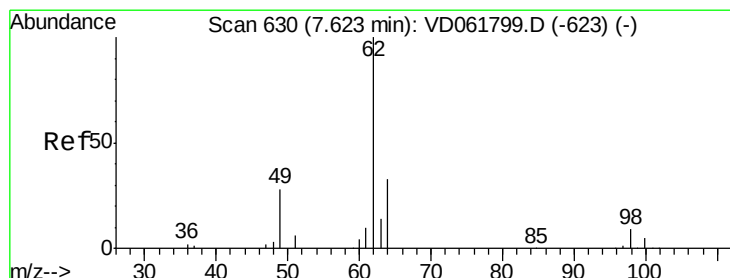
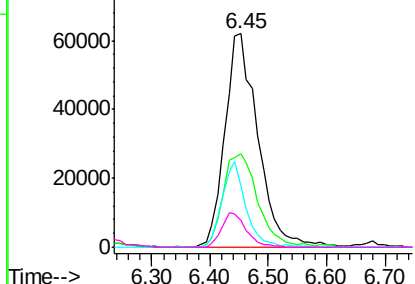
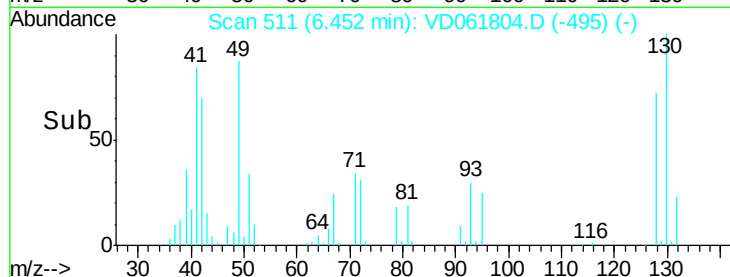
#41
Methacrylonitrile
Concen: 51.200 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.04 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 244019
Ion Ratio Lower Upper
41 100
39 43.7 34.1 51.1
67 28.7 23.8 35.6
52 12.5 8.8 13.2

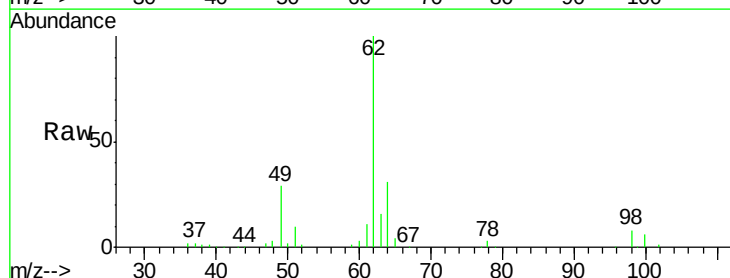


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

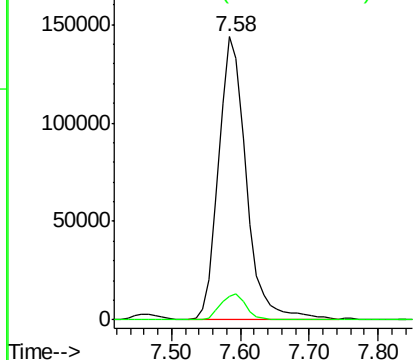
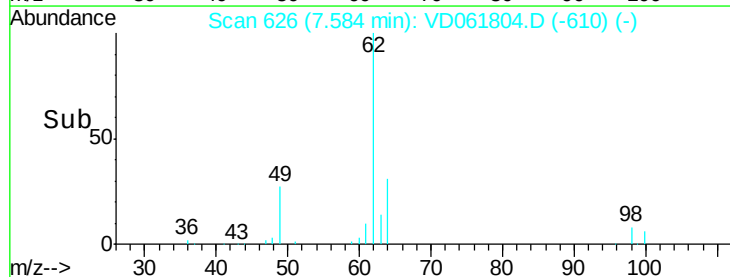


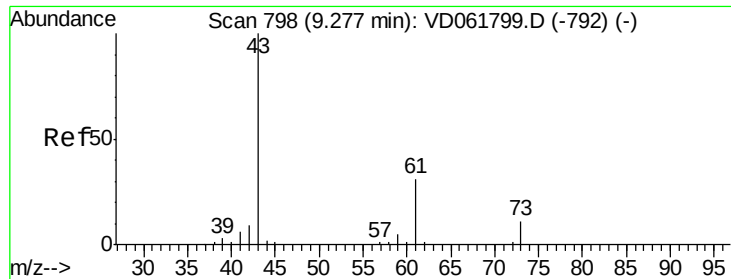
#42
1,2-Dichloroethane
Concen: 51.040 ug/l
RT: 7.58 min Scan# 626
Delta R.T. -0.04 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion: 62 Resp: 402073
Ion Ratio Lower Upper
62 100
98 8.4 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 51.910 ug/l

RT: 9.25 min Scan# 795

Delta R.T. -0.03 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

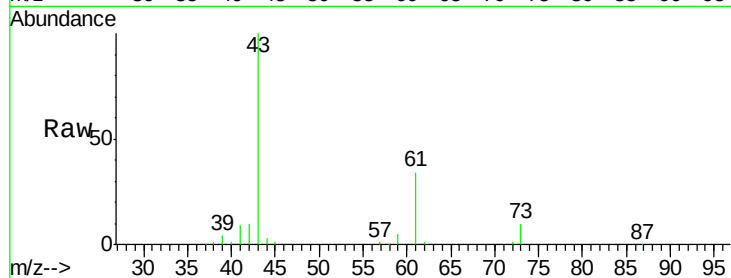
Tot Ion: 43 Resp: 294559

Ion Ratio Lower Upper

43 100

61 33.6 25.1 37.7

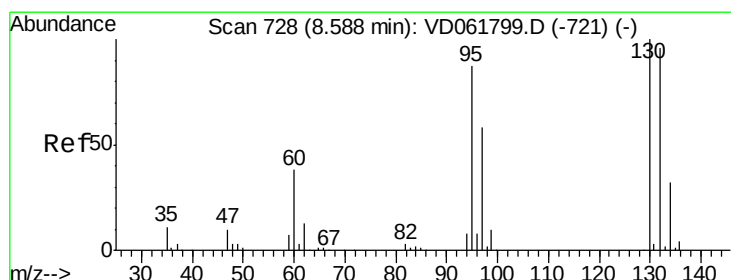
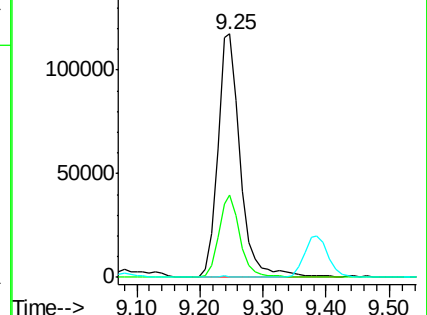
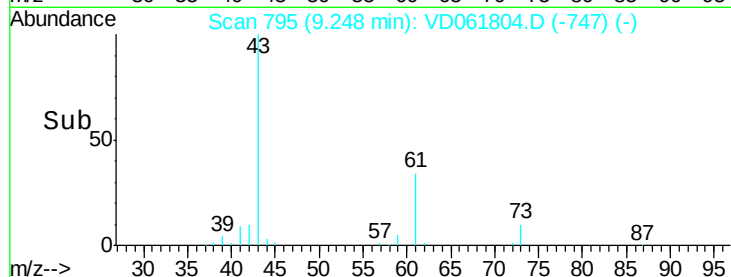
87 0.3 0.0 0.0#



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: 53.596 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.04 min

Lab File: VD061804.D

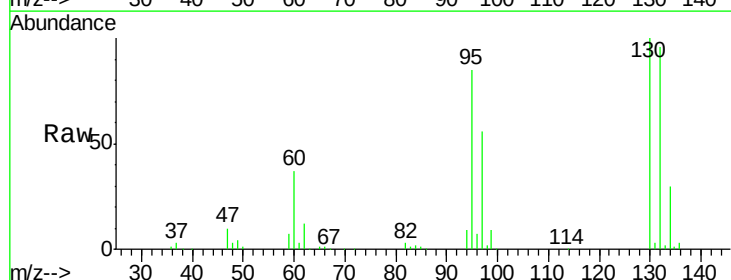
Acq: 16 Apr 2019 11:29

Tgt Ion:130 Resp: 466680

Ion Ratio Lower Upper

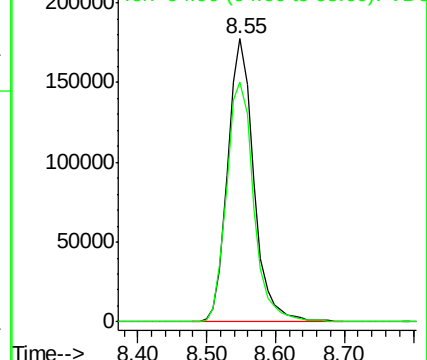
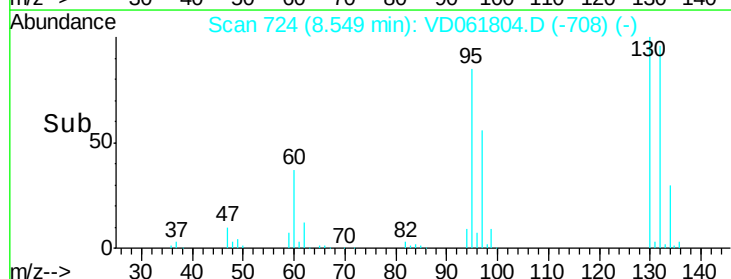
130 100

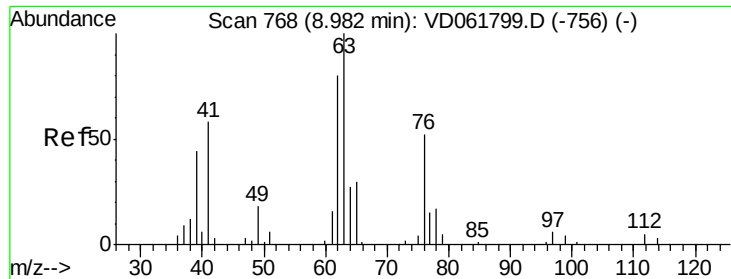
95 84.8 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

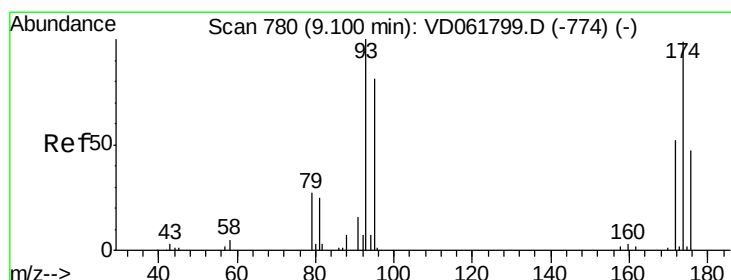
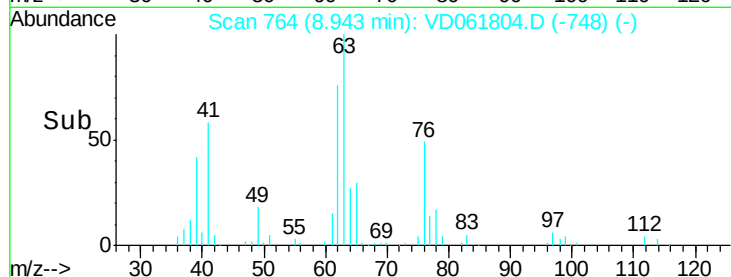
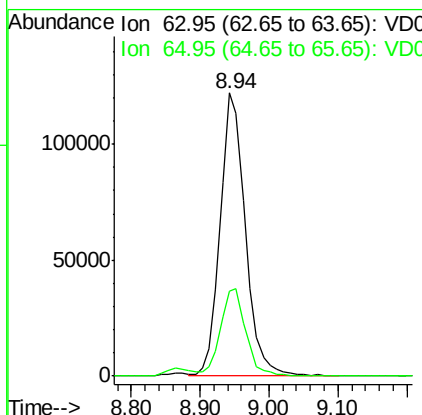
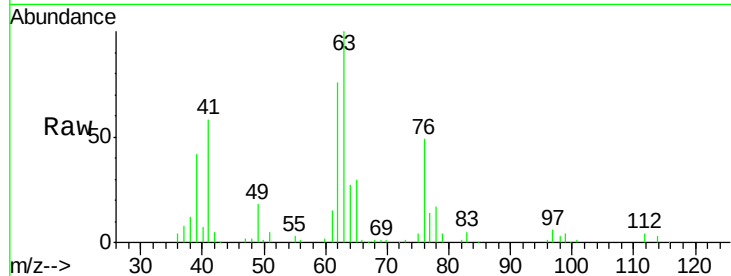




#45
 1,2-Dichloropropane
 Concen: 52.609 ug/l
 RT: 8.94 min Scan# 764
 Delta R.T. -0.04 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

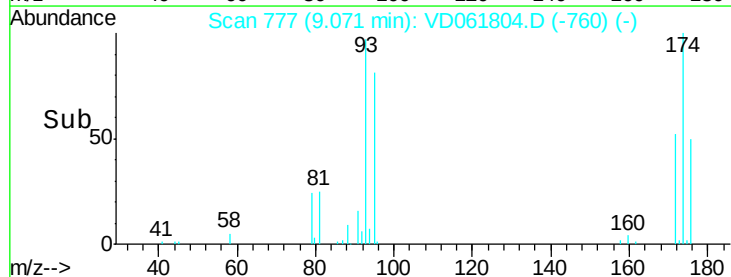
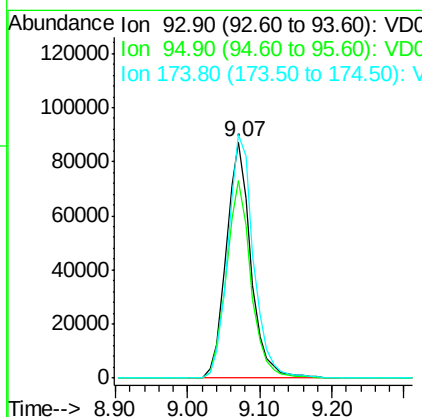
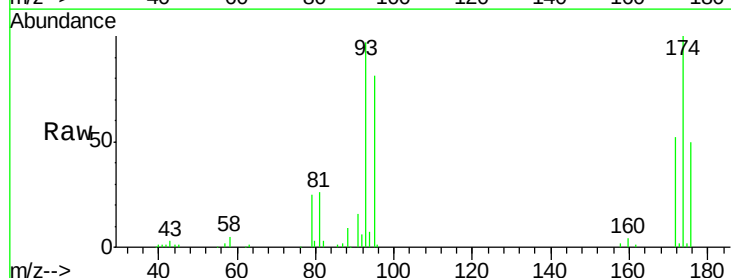
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

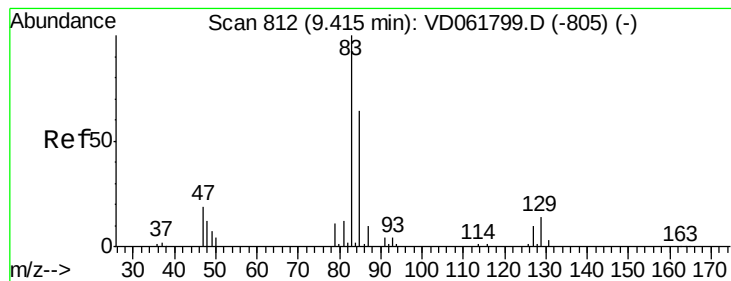
Tot Ion: 63 Resp: 309957
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.8 35.6



#46
 Dibromomethane
 Concen: 49.063 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. -0.03 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Tgt Ion: 93 Resp: 205969
 Ion Ratio Lower Upper
 93 100
 95 83.9 64.8 97.2
 174 103.2 79.3 118.9





#47

Bromodichloromethane

Concen: 51.842 ug/l

RT: 9.39 min Scan# 809

Delta R.T. -0.03 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

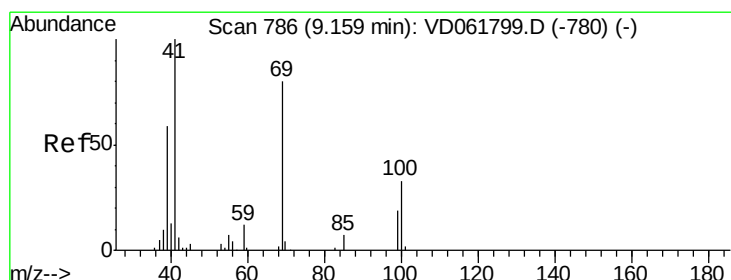
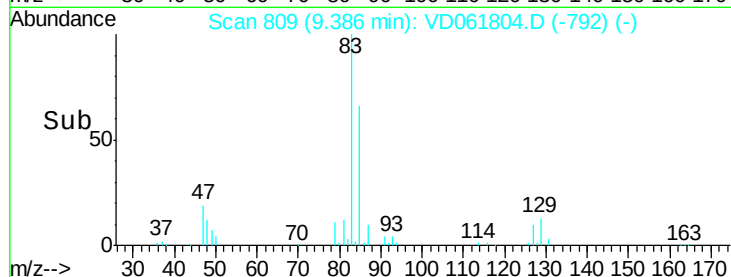
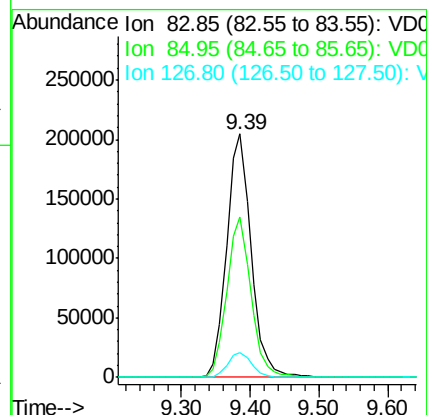
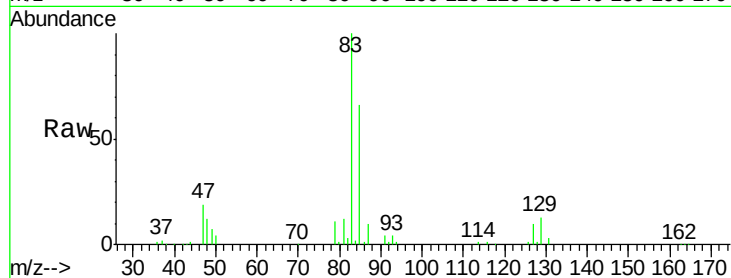
Tot Ion: 83 Resp: 502091

Ion Ratio Lower Upper

83 100

85 65.6 50.9 76.3

127 10.4 8.1 12.1



#48

Methyl methacrylate

Concen: 47.505 ug/l

RT: 9.13 min Scan# 783

Delta R.T. -0.03 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

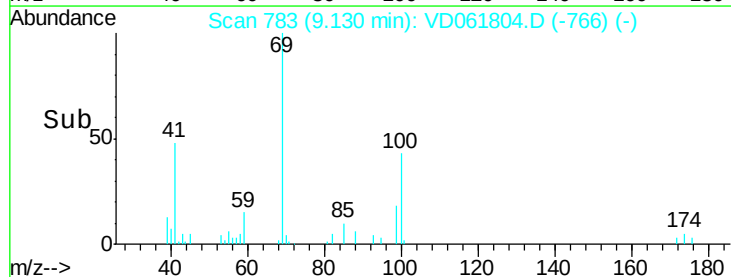
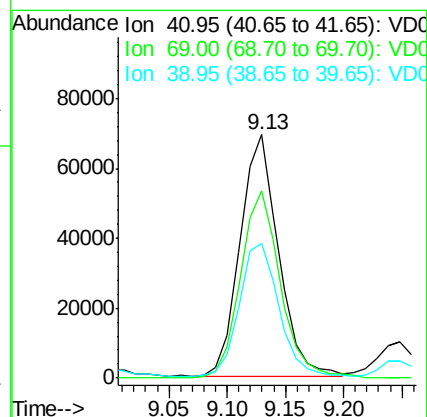
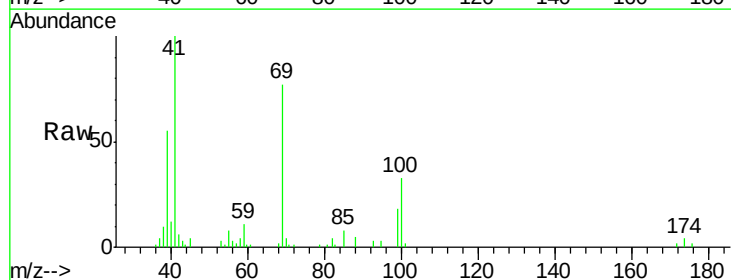
Tgt Ion: 41 Resp: 158453

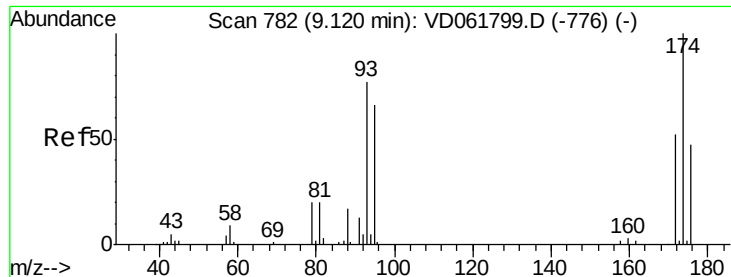
Ion Ratio Lower Upper

41 100

69 76.7 64.2 96.2

39 55.2 46.8 70.2





#49

1,4-Dioxane

Concen: 998.456 ug/l

RT: 9.08 min Scan# 778

Delta R.T. -0.04 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

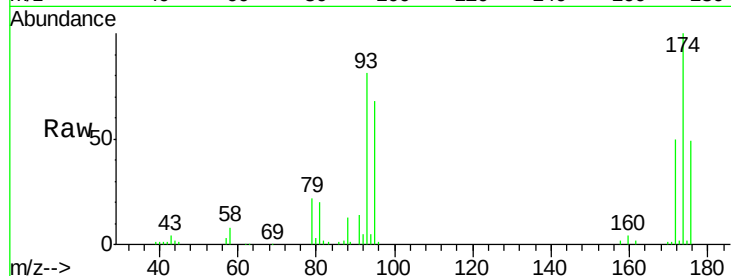
Tot Ion: 88 Resp: 36401

Ion Ratio Lower Upper

88 100

43 32.9 23.4 35.0

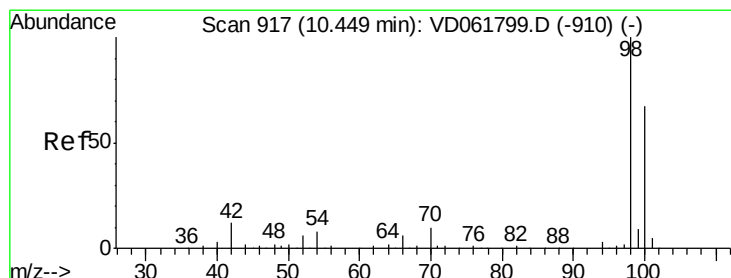
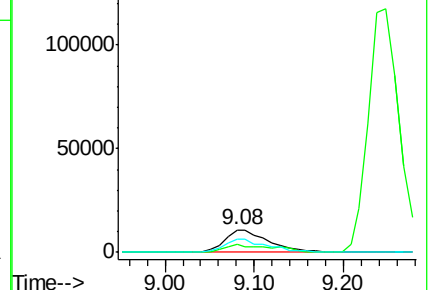
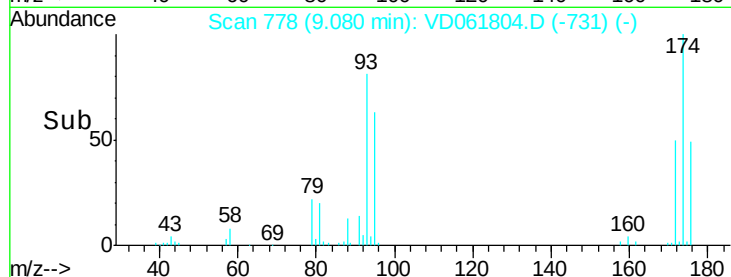
58 56.3 44.0 66.0



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: 998.456 ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.03 min

Lab File: VD061804.D

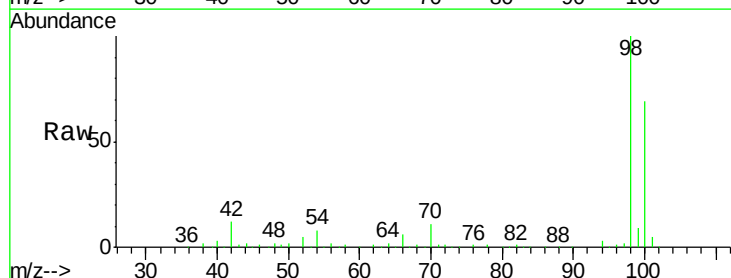
Acq: 16 Apr 2019 11:29

Tgt Ion: 98 Resp: 998971

Ion Ratio Lower Upper

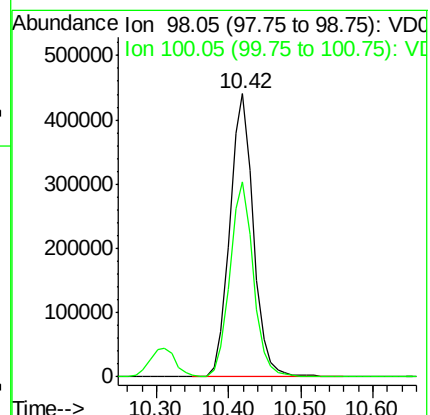
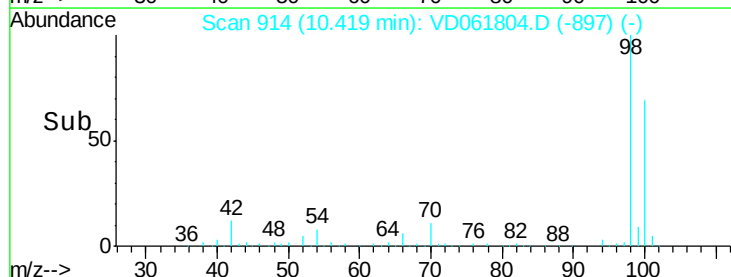
98 100

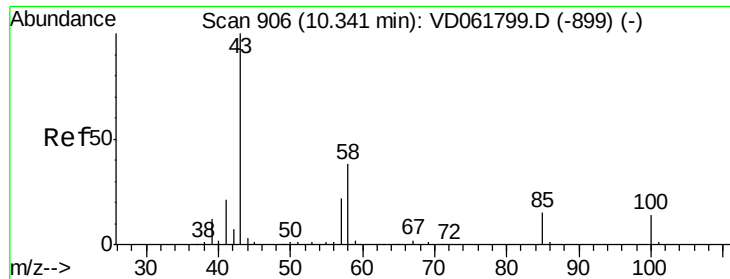
100 69.0 53.8 80.8



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: 253.402 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.04 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

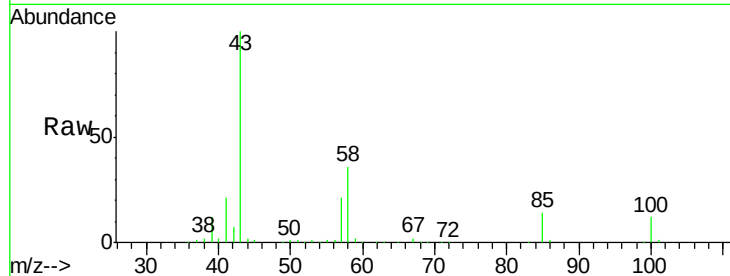
VSTDCCC050

Tot Ion: 43 Resp: 879332

Ion Ratio Lower Upper

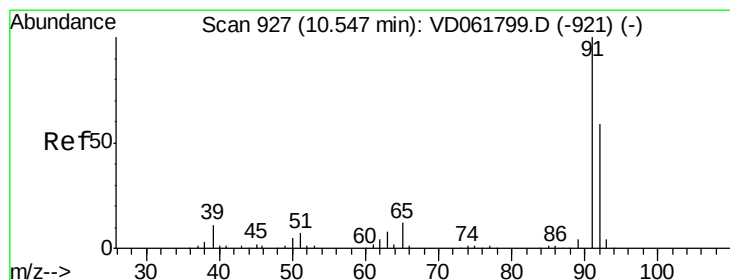
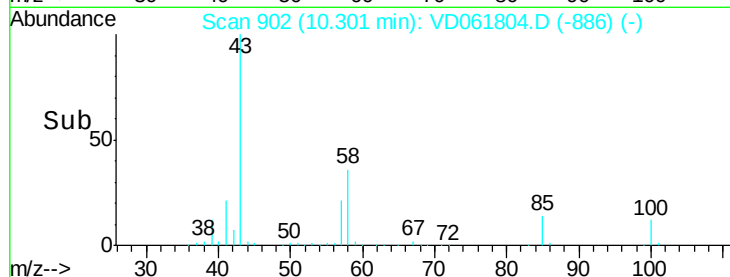
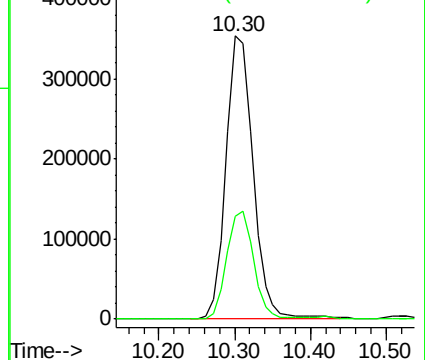
43 100

58 36.4 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.068 ug/l

RT: 10.52 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD061804.D

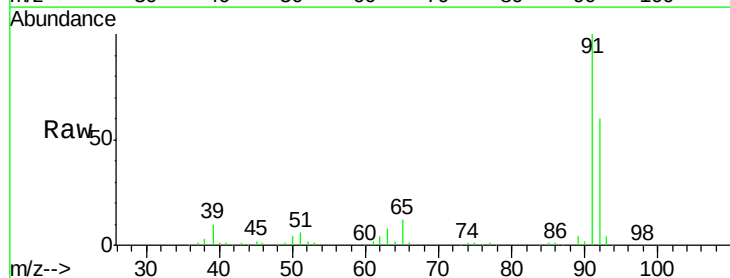
Acq: 16 Apr 2019 11:29

Tgt Ion: 92 Resp: 740216

Ion Ratio Lower Upper

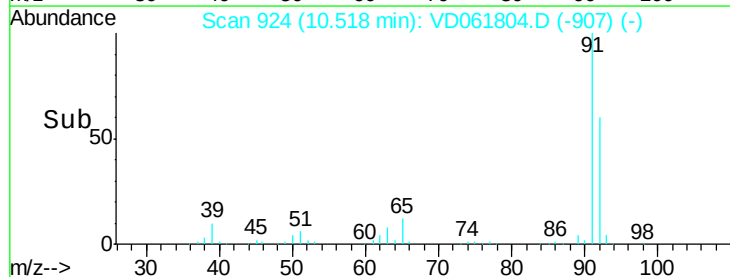
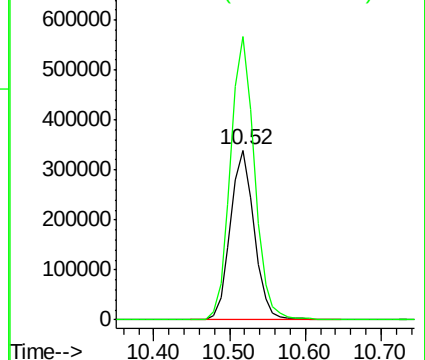
92 100

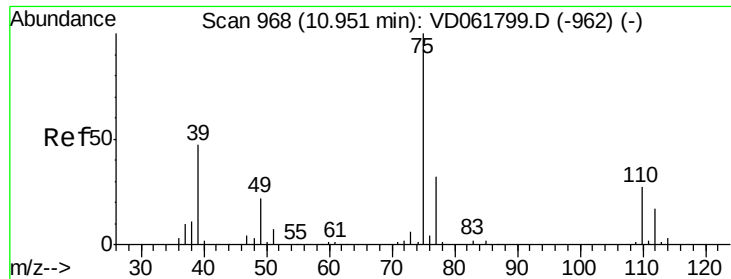
91 166.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

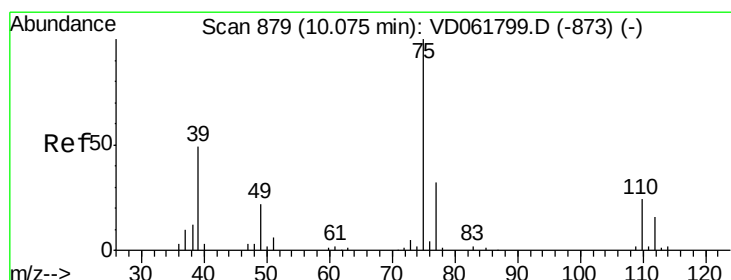
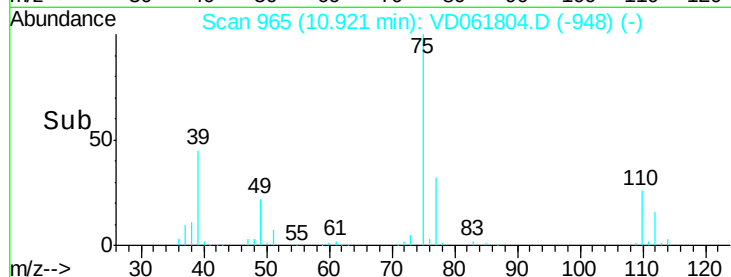
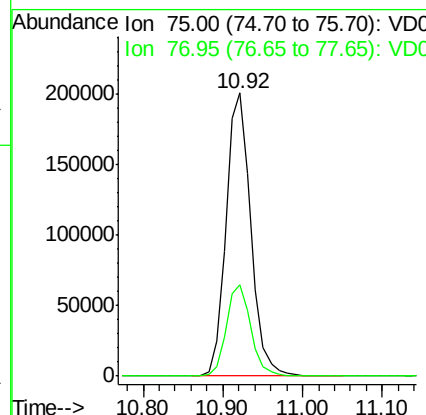
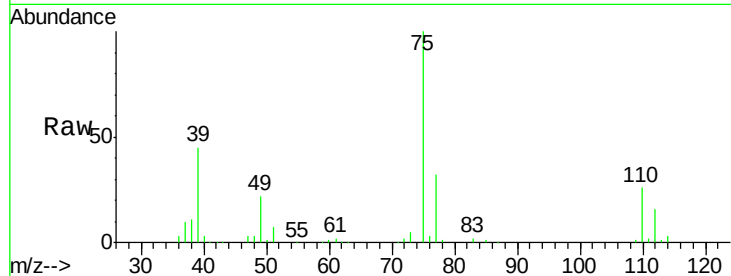




#53
 t-1,3-Dichloropropene
 Concen: 50.435 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. -0.03 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

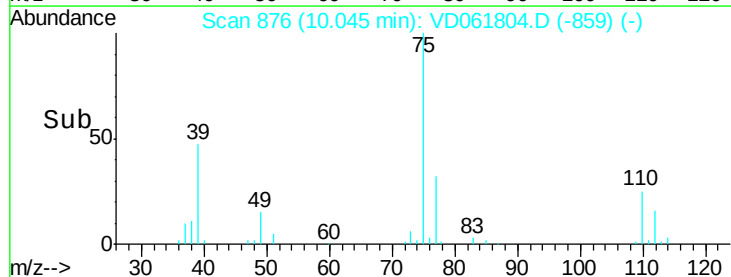
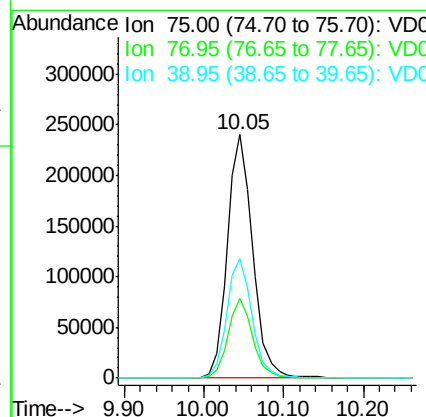
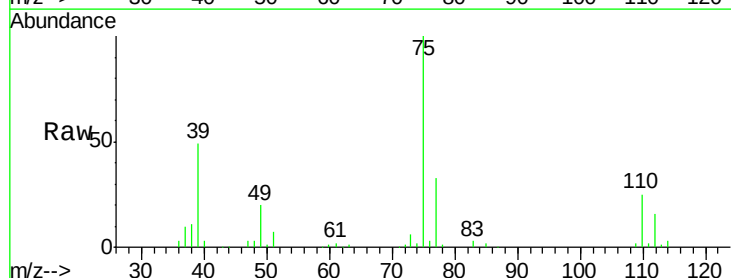
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

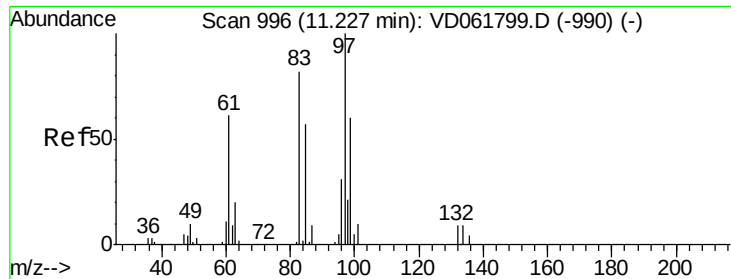
Tot Ion: 75 Resp: 440137
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.562 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. -0.03 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Tgt Ion: 75 Resp: 538436
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.5 38.3
 39 49.0 39.4 59.2

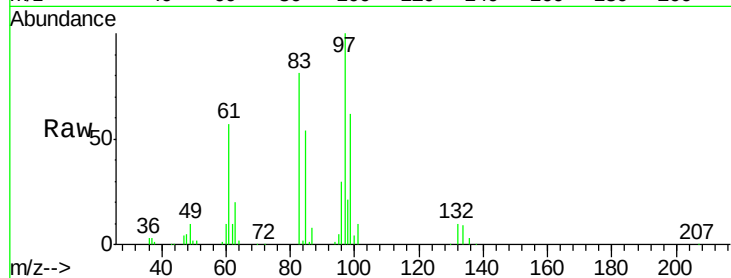




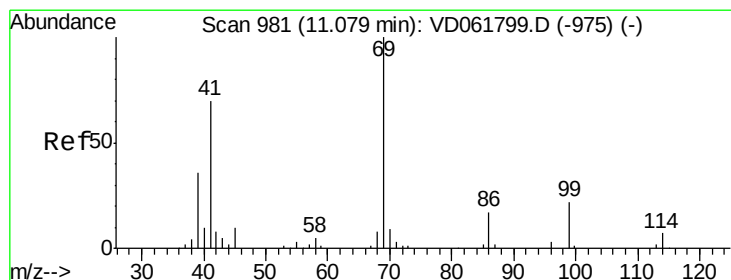
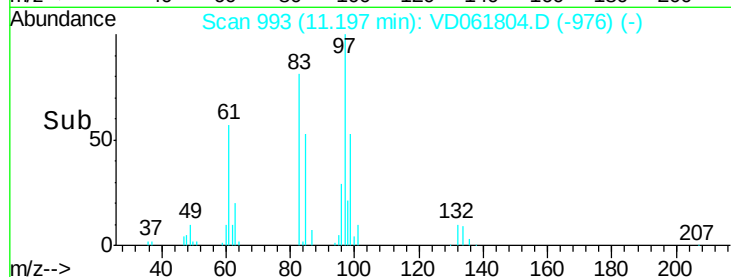
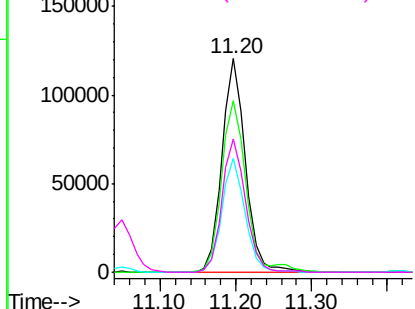
#55
 1,1,2-Trichloroethane
 Concen: 52.871 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. -0.03 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	258235
Ion	Ratio	Lower	Upper
97	100		
83	80.5	65.7	98.5
85	53.5	45.6	68.4
99	62.1	48.4	72.6

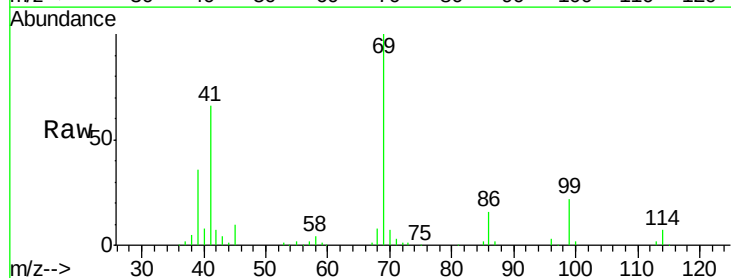


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

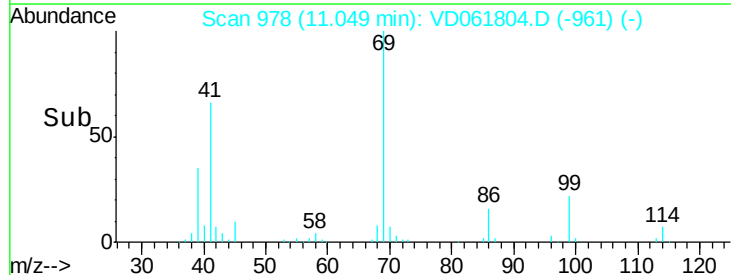
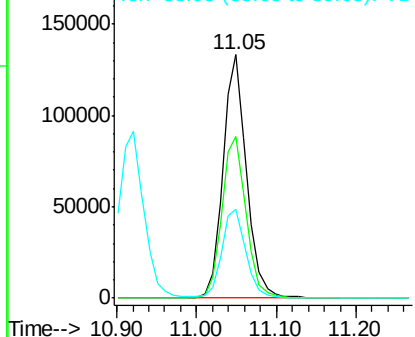


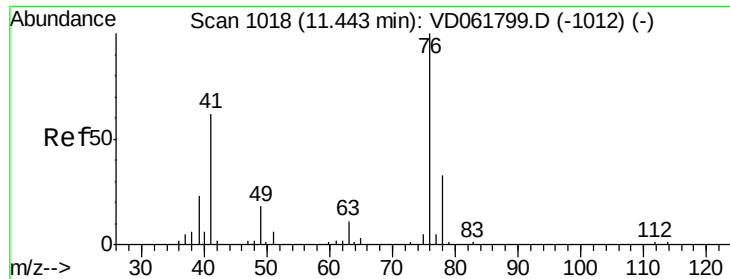
#56
 Ethyl methacrylate
 Concen: 51.562 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. -0.03 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Tgt Ion:	69	Resp:	276401
Ion	Ratio	Lower	Upper
69	100		
41	66.2	56.3	84.5
39	36.3	29.4	44.2



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

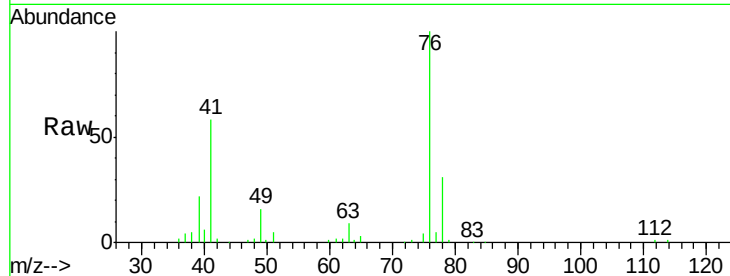




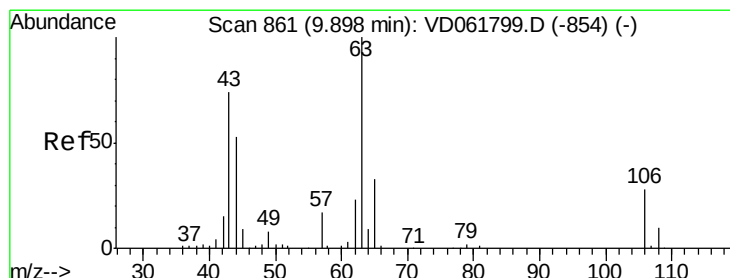
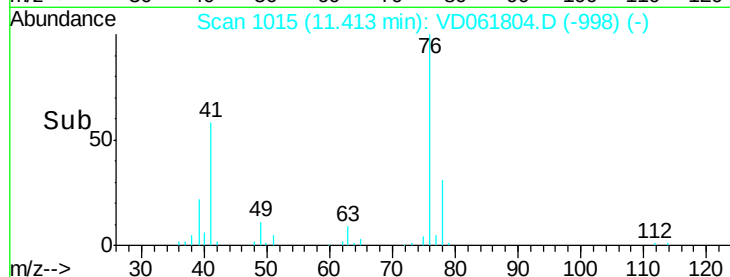
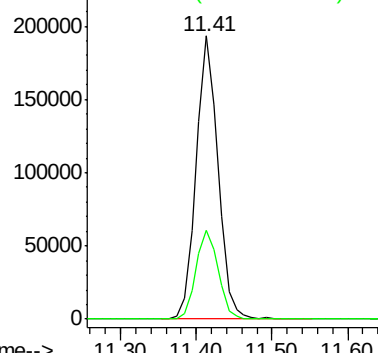
#57
 1,3-Dichloropropane
 Concen: 52.643 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. -0.03 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 386549
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.2 39.2

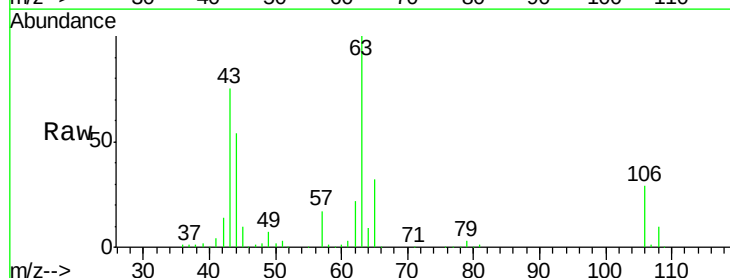


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

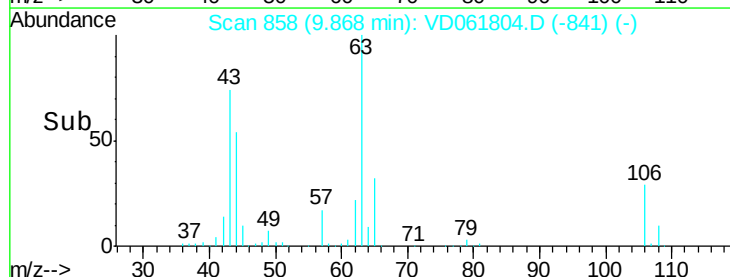
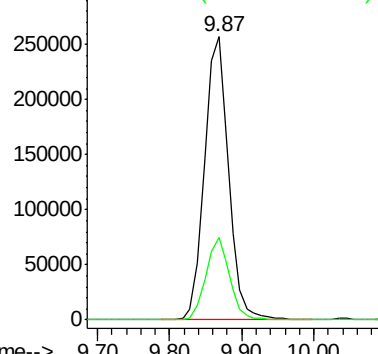


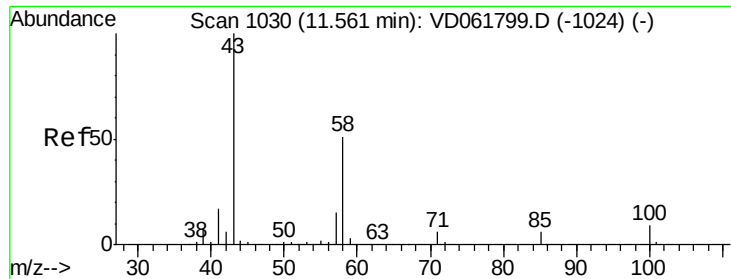
#58
 2-Chloroethyl Vinyl ether
 Concen: 234.566 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Tgt Ion: 63 Resp: 598082
 Ion Ratio Lower Upper
 63 100
 106 29.1 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

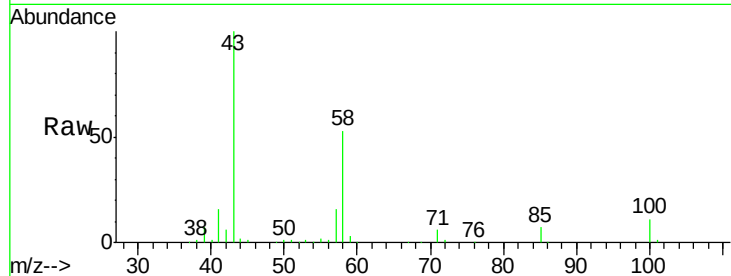




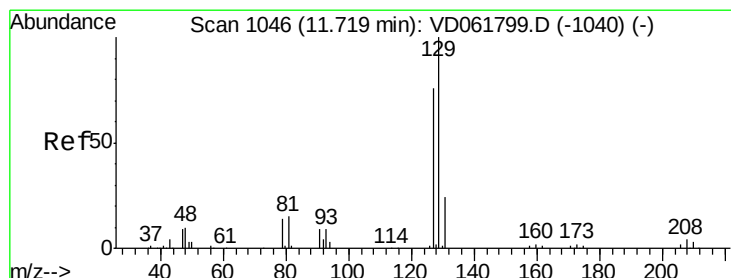
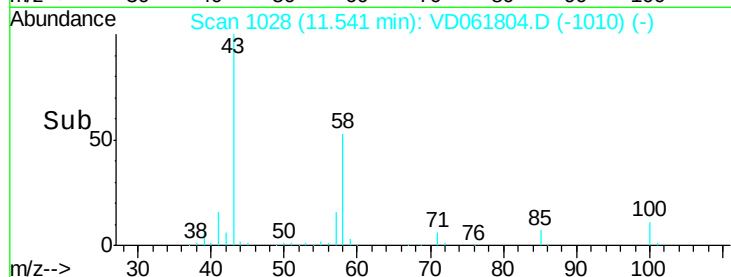
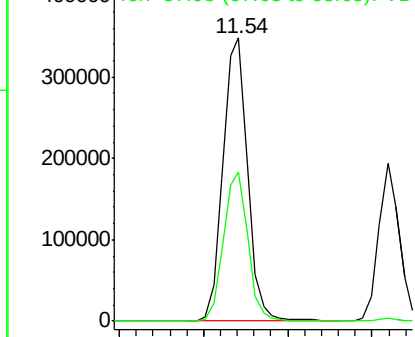
#59
2-Hexanone
Concen: 272.997 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 703604
Ion Ratio Lower Upper
43 100
58 52.5 25.4 76.4

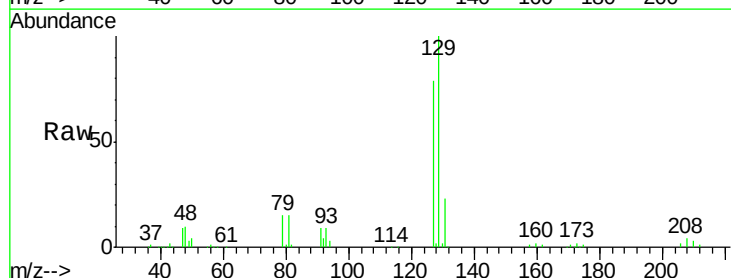


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

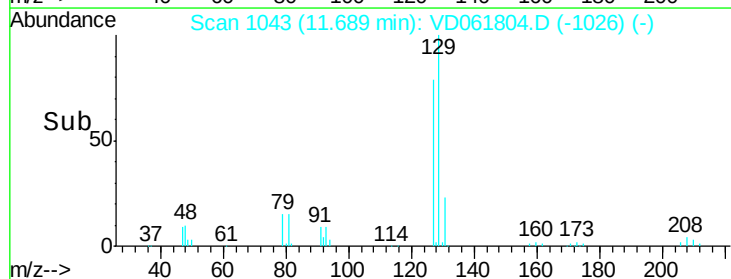
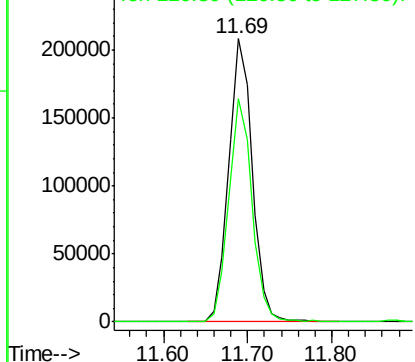


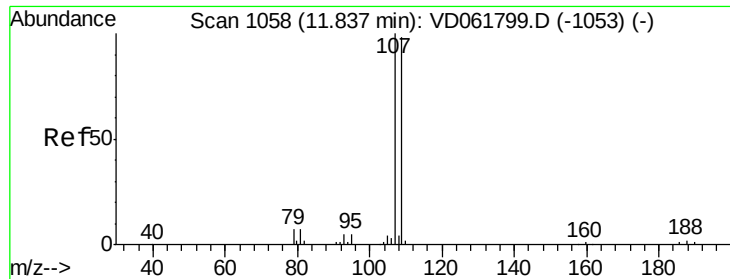
#60
Dibromochloromethane
Concen: 50.923 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.03 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion: 129 Resp: 406968
Ion Ratio Lower Upper
129 100
127 79.1 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

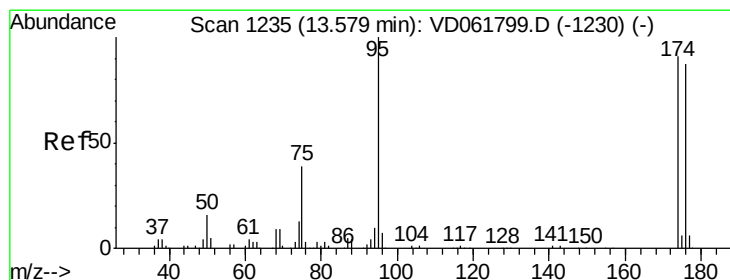
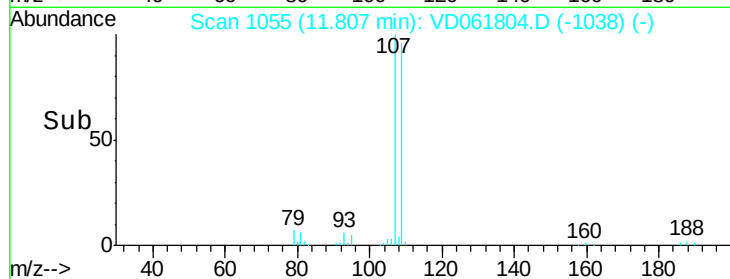
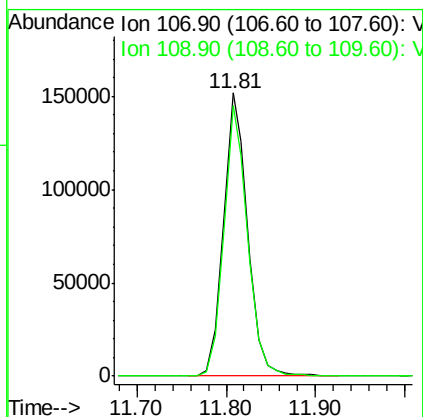
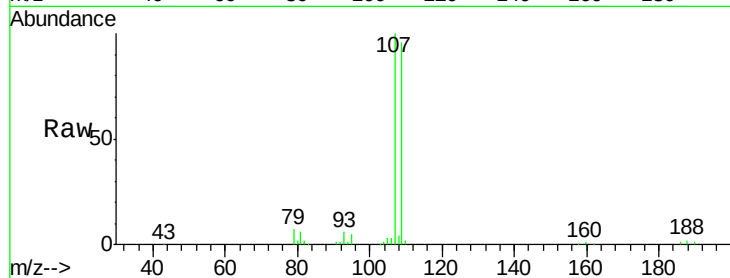




#61
 1,2-Dibromoethane
 Concen: 47.986 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.03 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

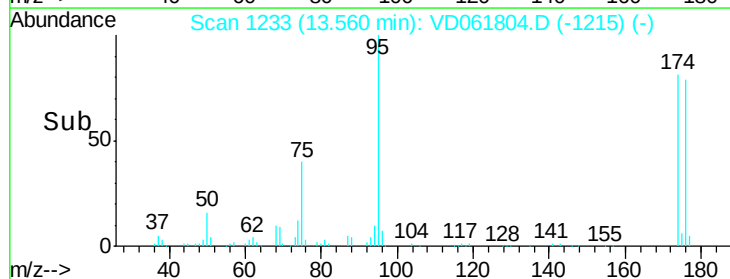
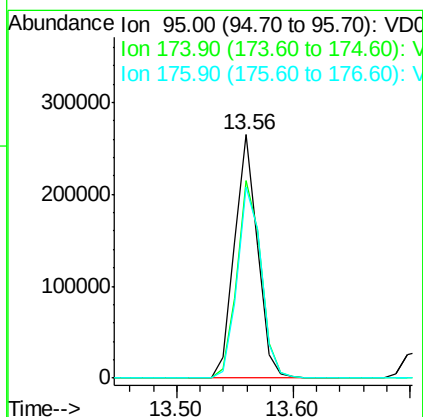
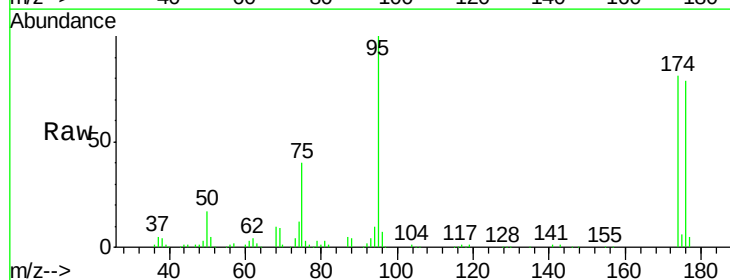
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

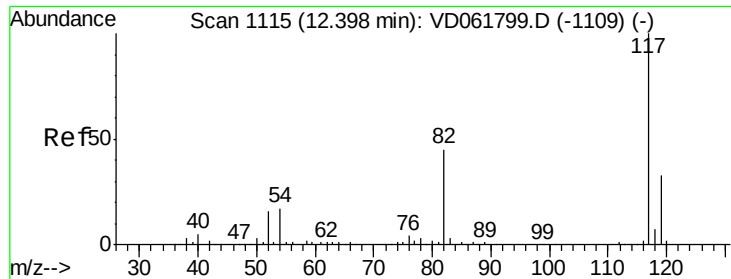
Tot Ion:107 Resp: 288187
 Ion Ratio Lower Upper
 107 100
 109 95.8 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 47.986 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.02 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Tgt Ion: 95 Resp: 362337
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 181.8
 176 78.6 0.0 174.4

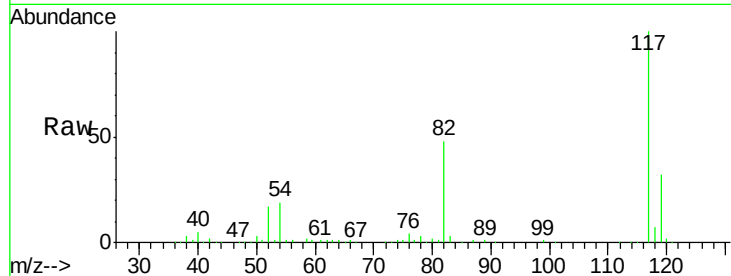




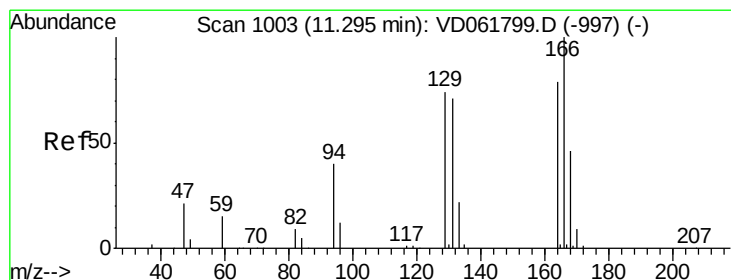
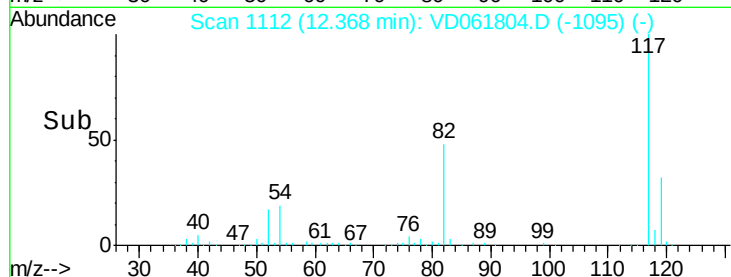
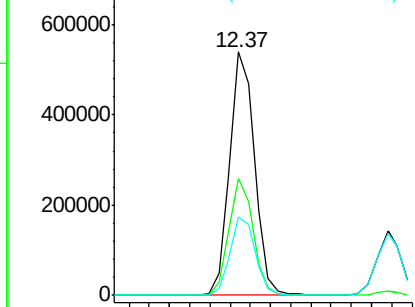
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.03 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 925024
Ion Ratio Lower Upper
117 100
82 48.2 36.2 54.2
119 32.2 26.2 39.4

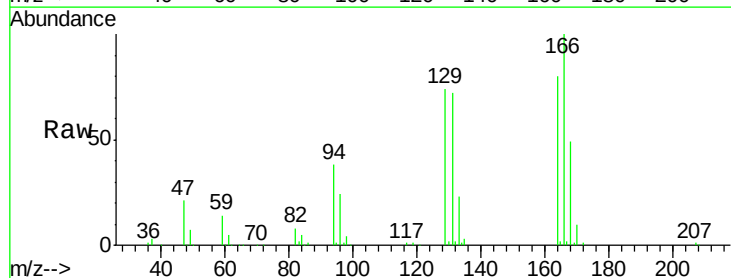


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

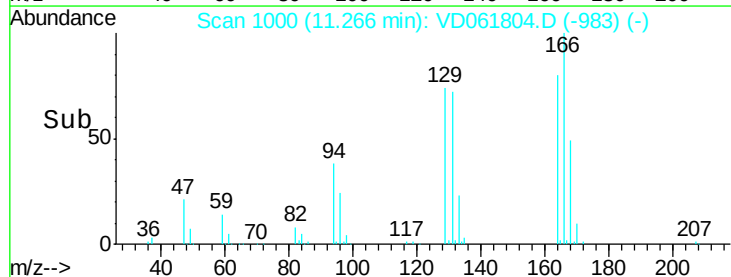
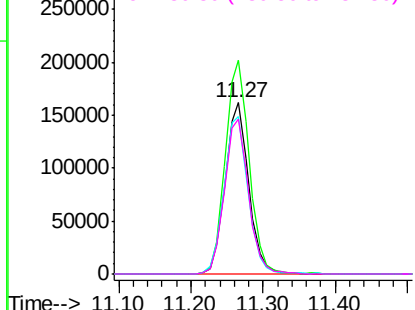


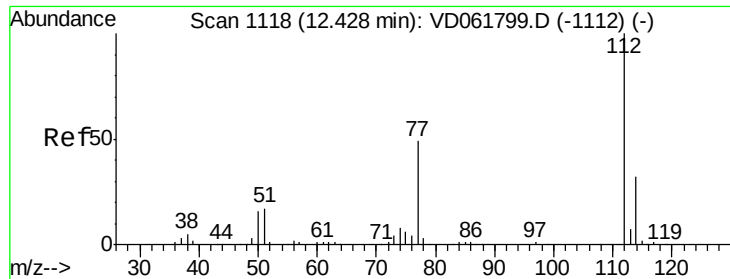
#64
Tetrachloroethene
Concen: 52.531 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. -0.03 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion:164 Resp: 364424
Ion Ratio Lower Upper
164 100
166 125.0 101.5 152.3
129 92.2 74.6 112.0
131 90.6 72.6 108.8



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

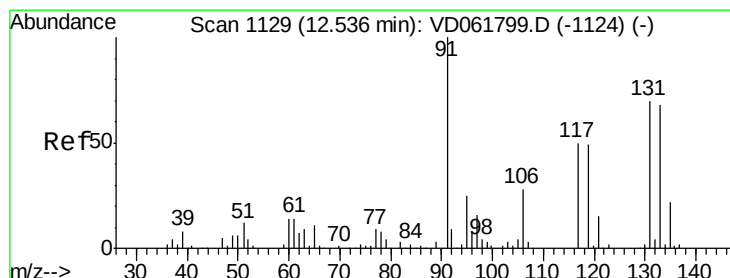
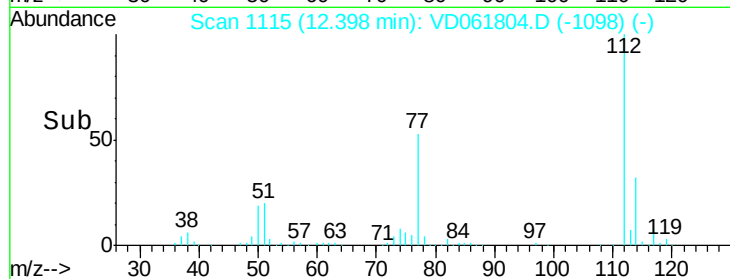
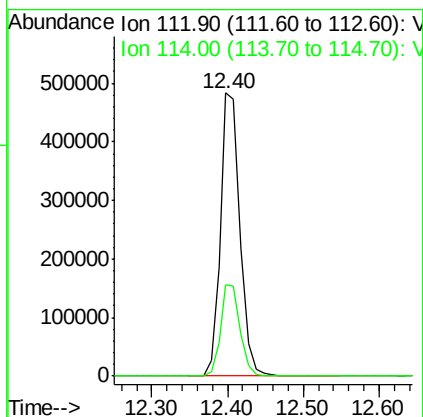
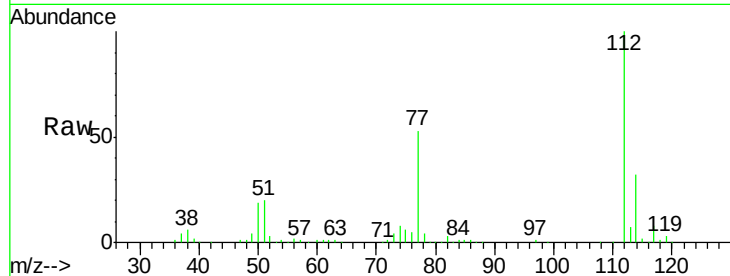




#65
Chlorobenzene
Concen: 50.441 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.03 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

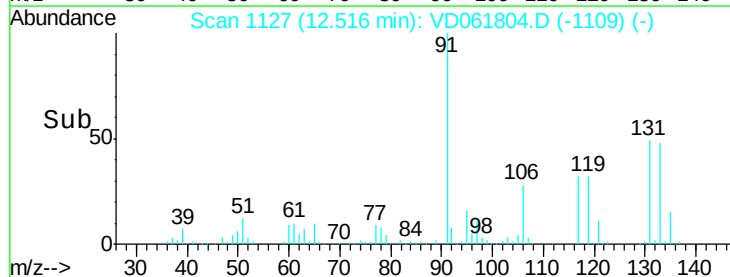
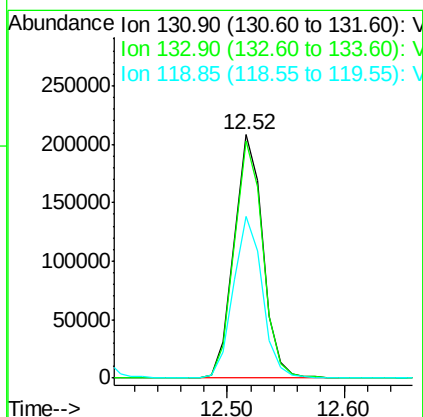
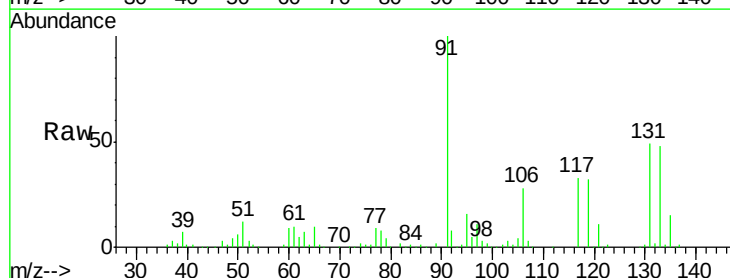
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

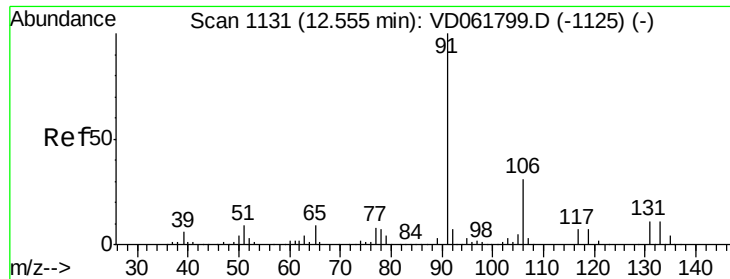
Tot Ion:112 Resp: 868944
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.431 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.02 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion:131 Resp: 356861
Ion Ratio Lower Upper
131 100
133 97.4 48.6 145.8
119 66.2 34.7 104.1

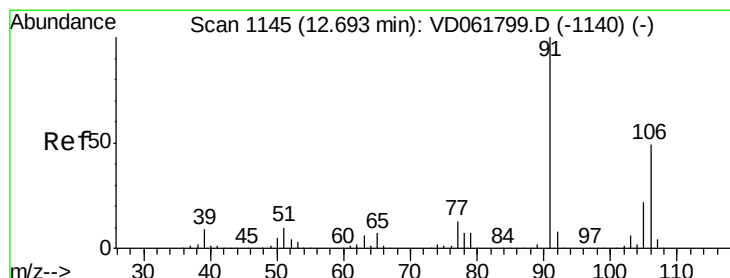
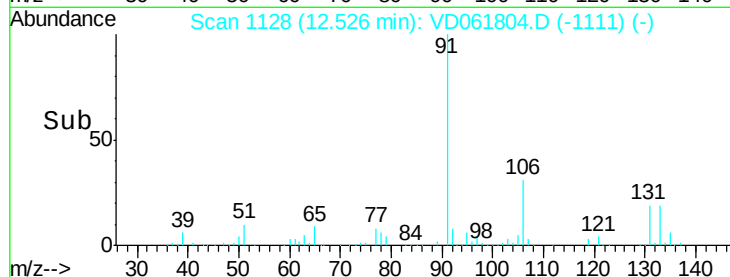
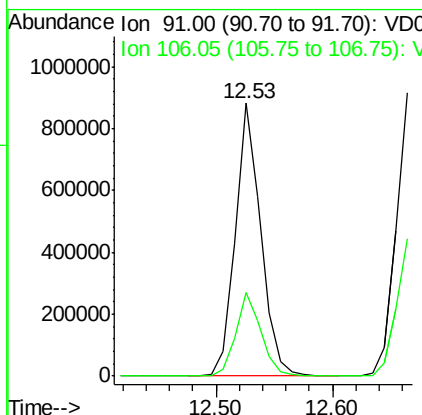
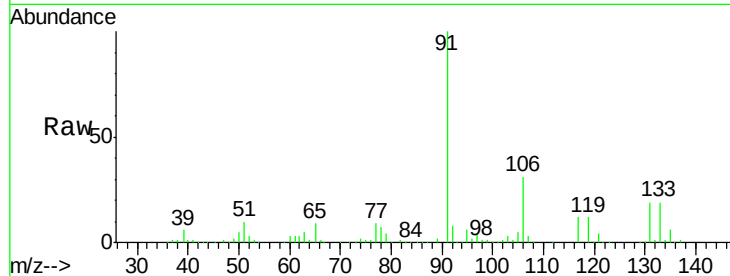




#67
Ethyl Benzene
Concen: 48.169 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.03 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

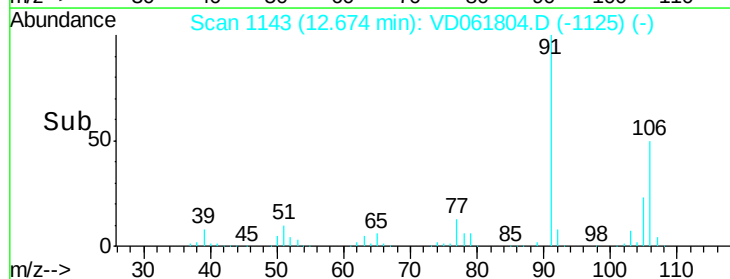
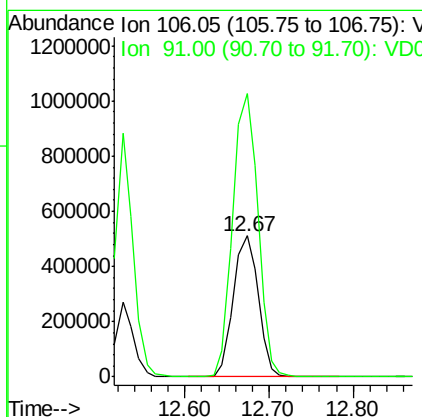
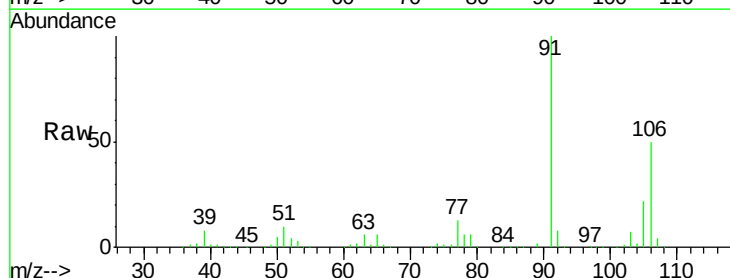
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

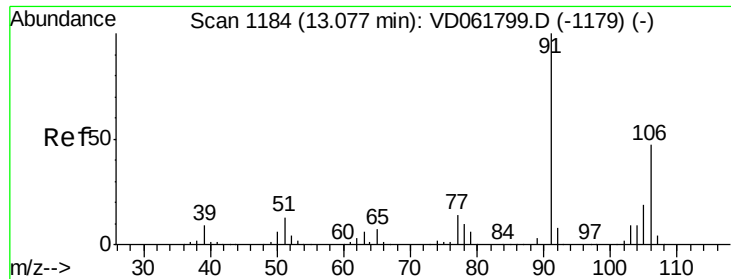
Tot Ion: 91 Resp: 1328902
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1



#68
m/p-Xylenes
Concen: 101.951 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. -0.02 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion:106 Resp: 1056511
Ion Ratio Lower Upper
106 100
91 200.9 164.0 246.0

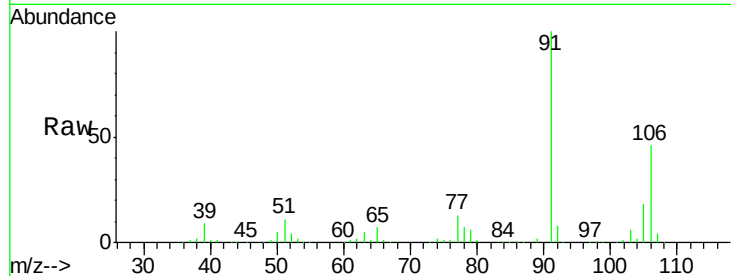




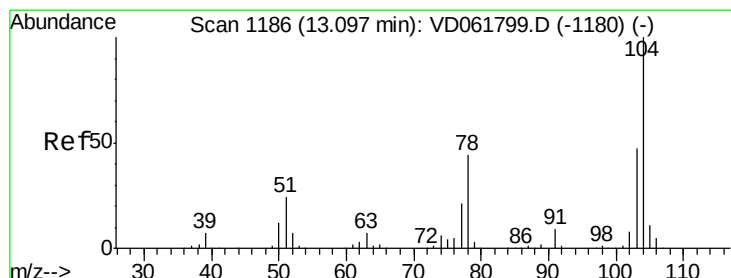
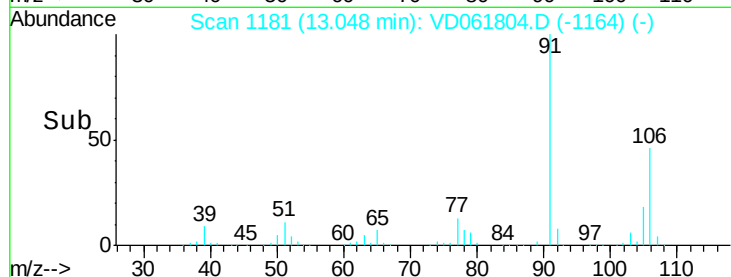
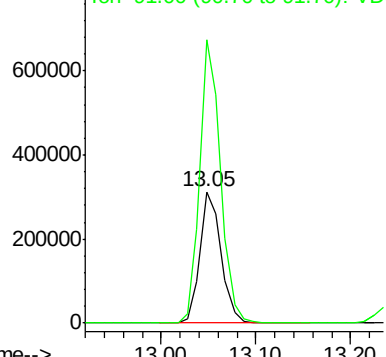
#69
o-Xylene
Concen: 49.645 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.03 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 483563
Ion Ratio Lower Upper
106 100
91 215.8 106.7 319.9

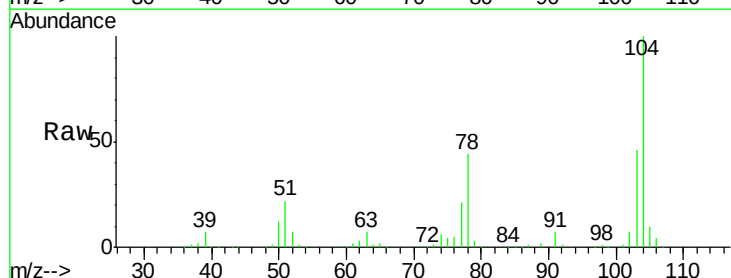


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

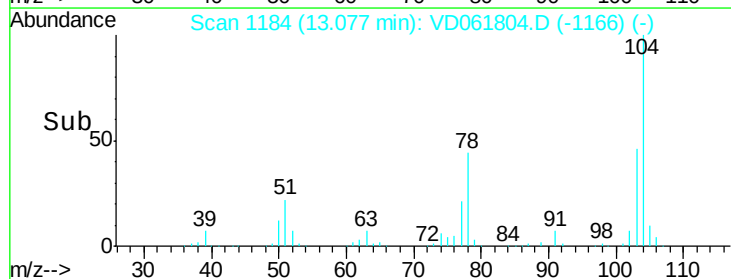
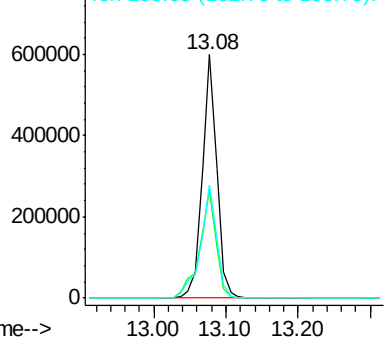


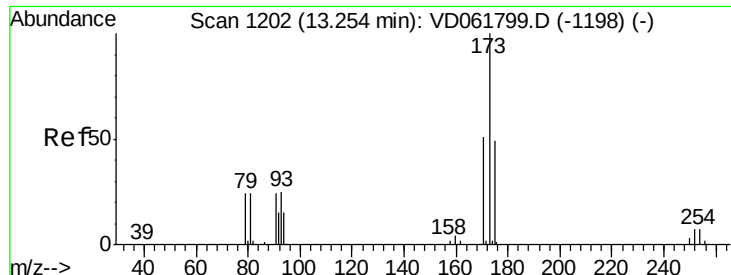
#70
Styrene
Concen: 49.844 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion:104 Resp: 835465
Ion Ratio Lower Upper
104 100
78 44.5 35.4 53.2
103 46.3 37.5 56.3



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





#71

Bromoform

Concen: 54.608 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

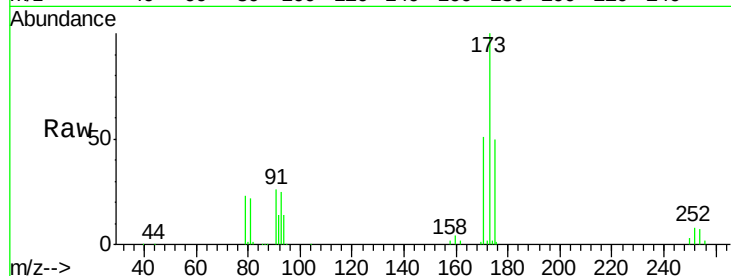
Tot Ion:173 Resp: 234009

Ion Ratio Lower Upper

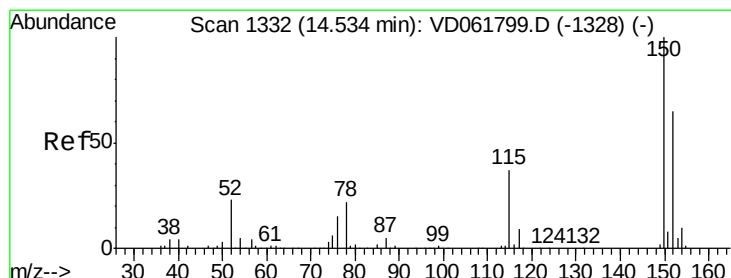
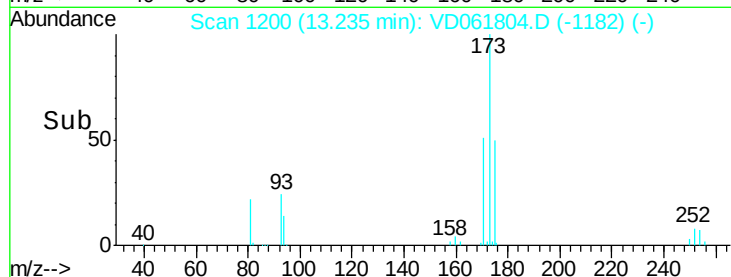
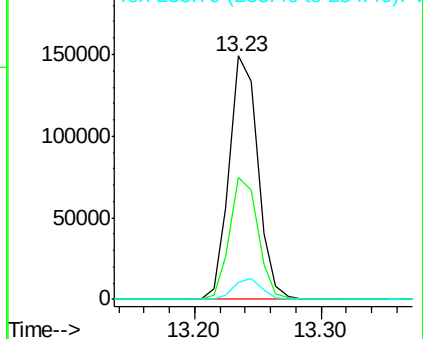
173 100

175 50.0 24.4 73.4

254 7.1 5.4 8.2



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: 14.52 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

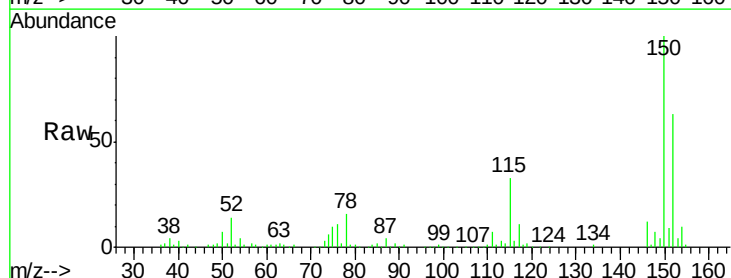
Tgt Ion:152 Resp: 413925

Ion Ratio Lower Upper

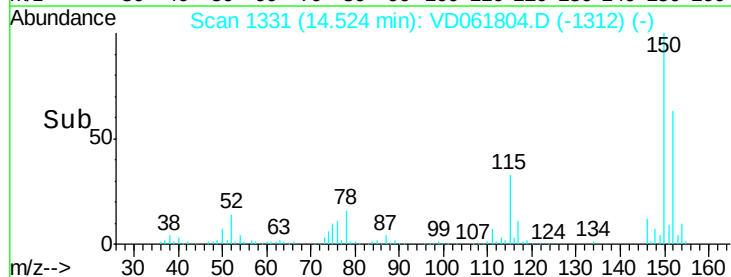
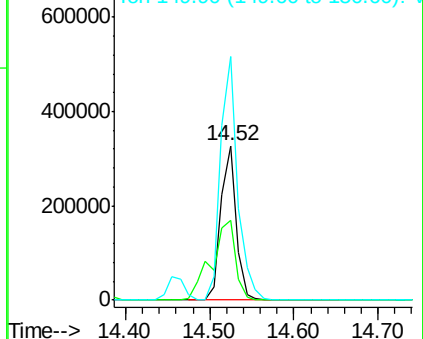
152 100

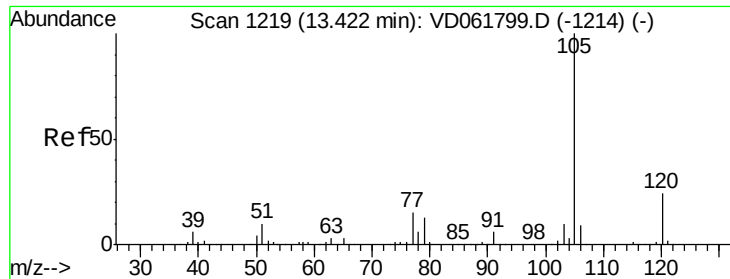
115 51.7 30.9 92.7

150 158.0 0.0 314.8



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: 52.085 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.02 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

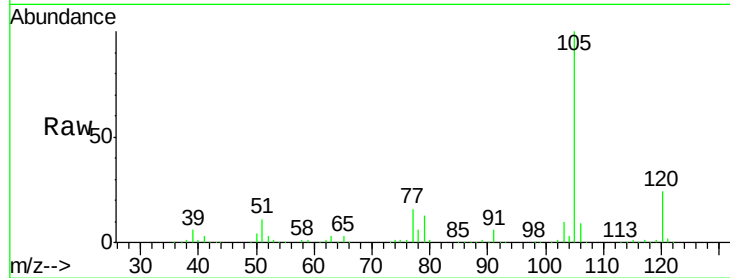
VSTDCCC050

Tot Ion:105 Resp: 1398185

Ion Ratio Lower Upper

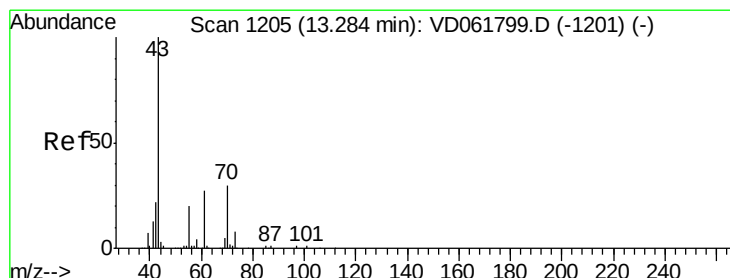
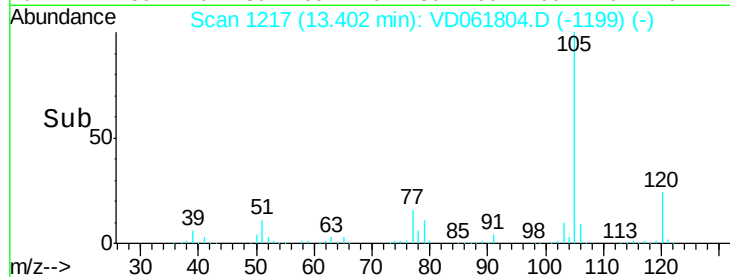
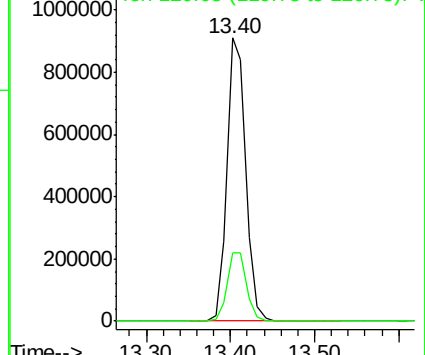
105 100

120 24.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.220 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Tgt Ion: 43 Resp: 362518

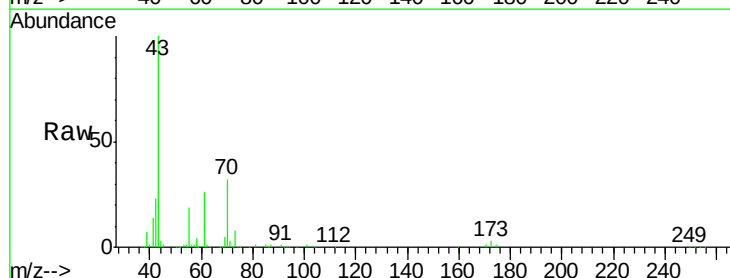
Ion Ratio Lower Upper

43 100

70 31.6 24.2 36.4

55 19.2 16.0 24.0

61 25.8 21.6 32.4

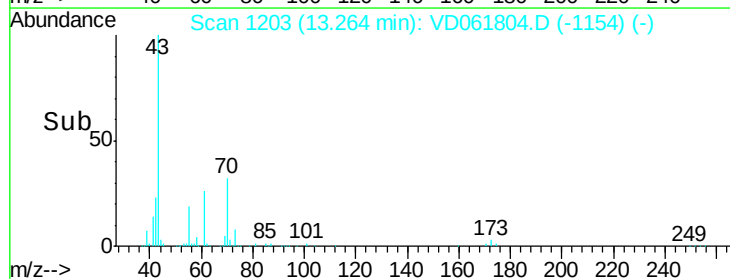
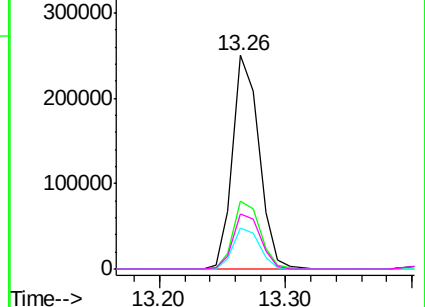


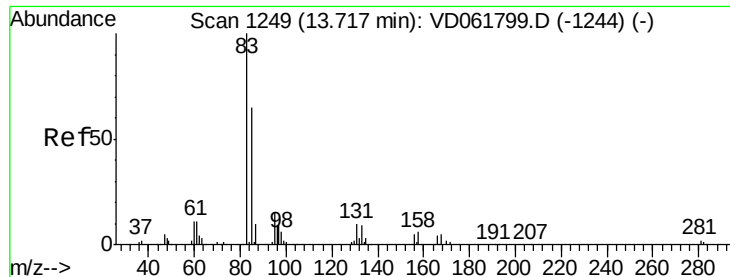
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.007 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

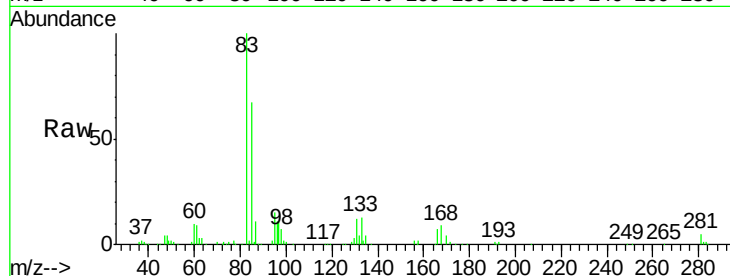
Tot Ion: 83 Resp: 281267

Ion Ratio Lower Upper

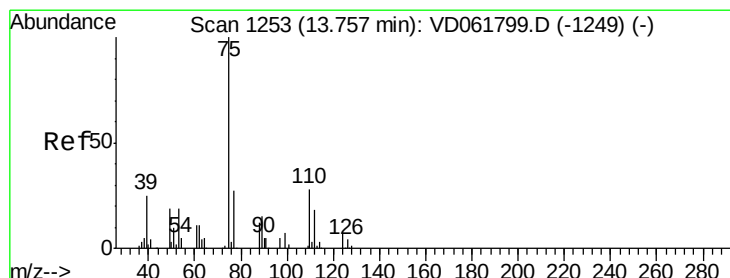
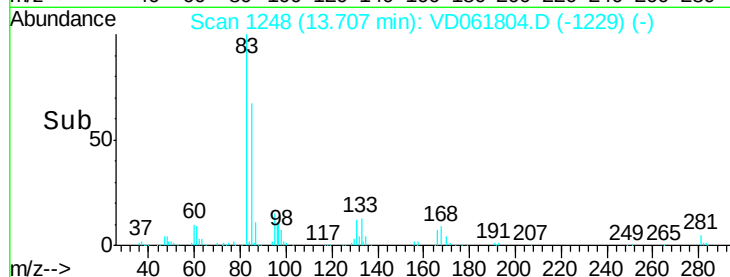
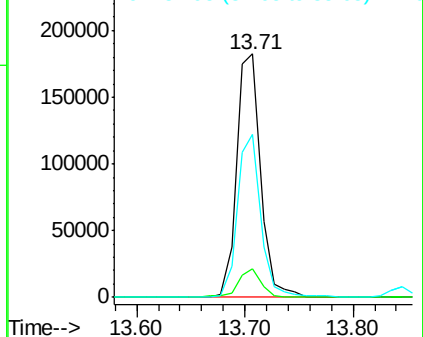
83 100

131 11.7 5.0 14.9

85 66.8 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.519 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. -0.02 min

Lab File: VD061804.D

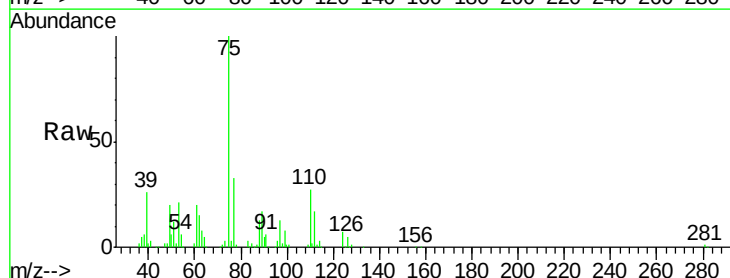
Acq: 16 Apr 2019 11:29

Tgt Ion: 75 Resp: 280054

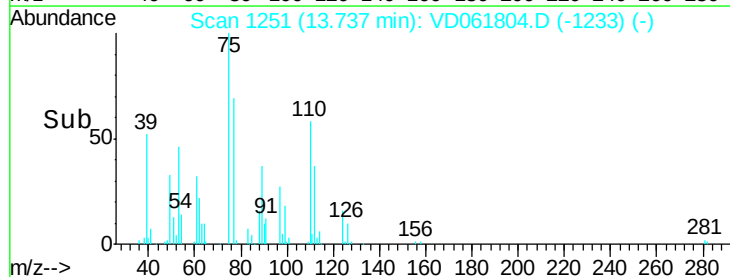
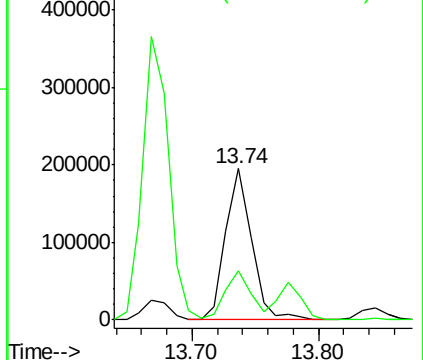
Ion Ratio Lower Upper

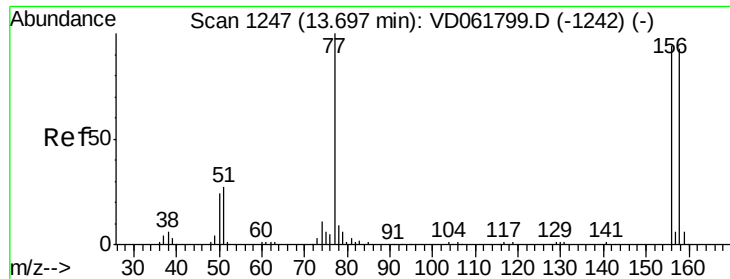
75 100

77 32.7 16.4 49.4



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





#77

Bromobenzene

Concen: 55.073 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

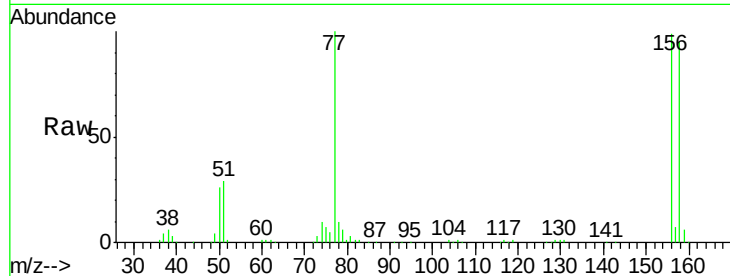
Tot Ion:156 Resp: 419959

Ion Ratio Lower Upper

156 100

77 101.1 53.1 159.4

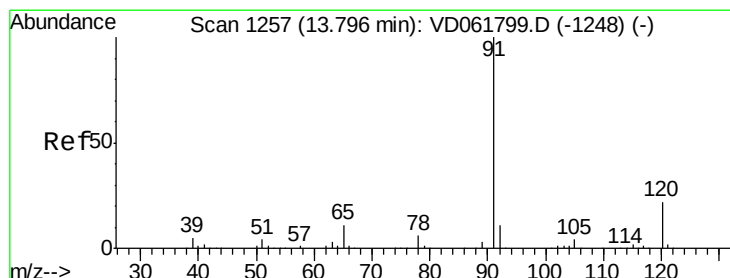
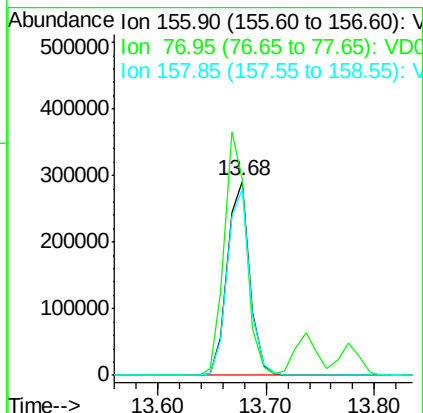
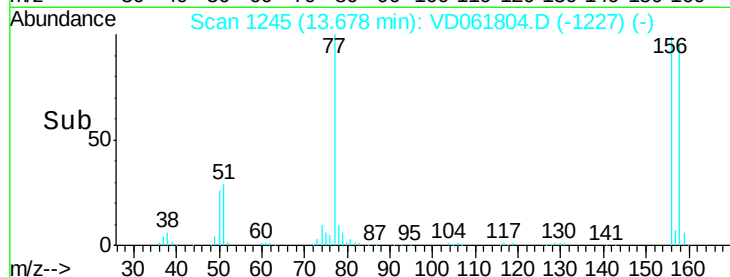
158 96.0 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 55.209 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.02 min

Lab File: VD061804.D

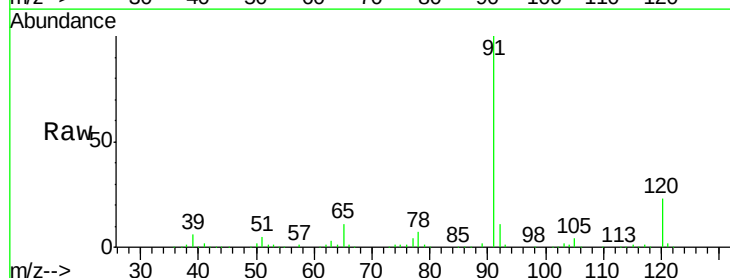
Acq: 16 Apr 2019 11:29

Tgt Ion: 91 Resp: 1712308

Ion Ratio Lower Upper

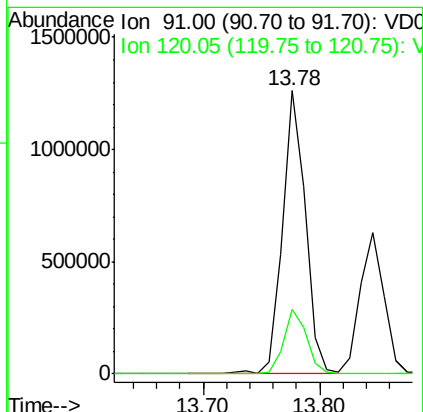
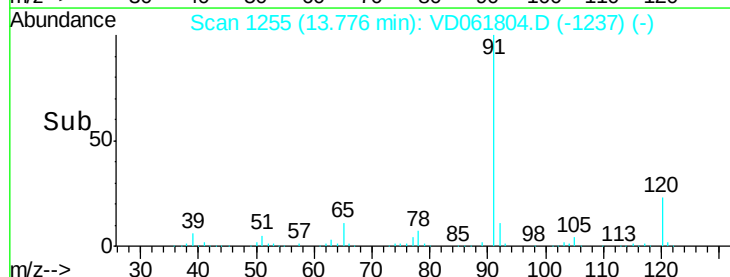
91 100

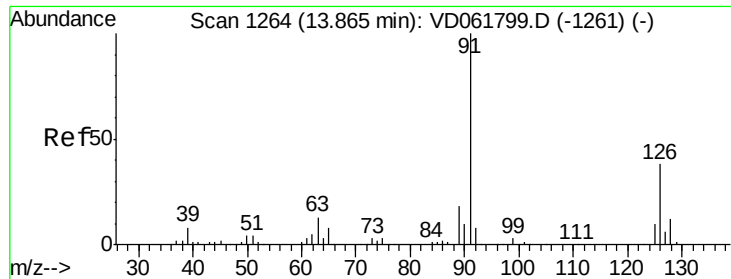
120 22.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

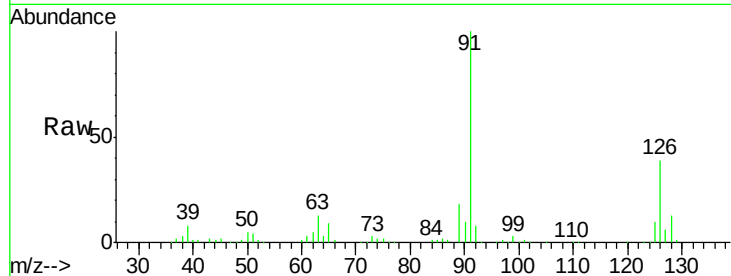




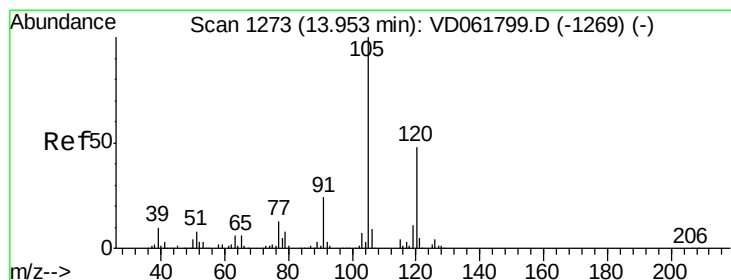
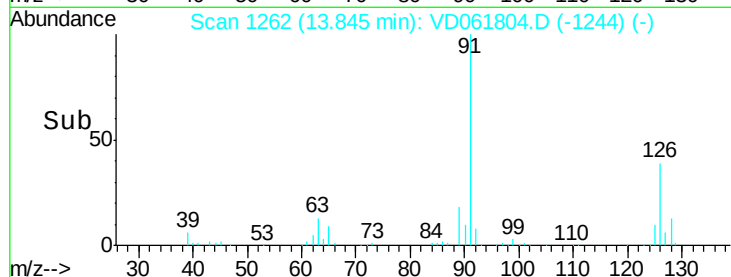
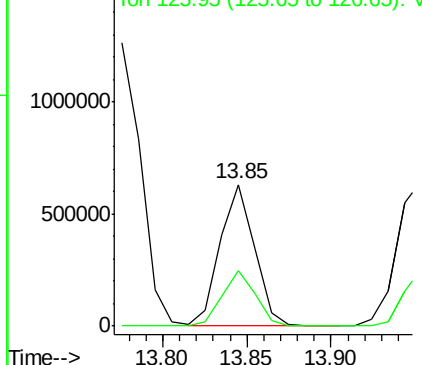
#79
 2-Chlorotoluene
 Concen: 49.544 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 897637
 Ion Ratio Lower Upper
 91 100
 126 38.8 18.6 55.8

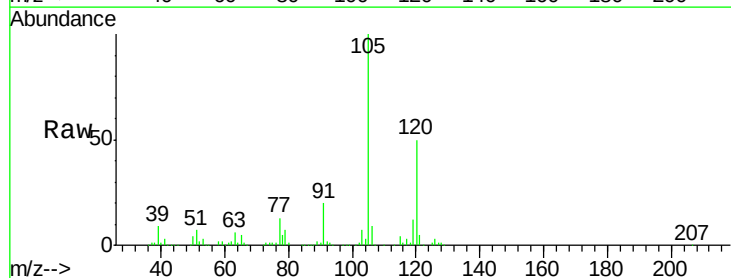


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

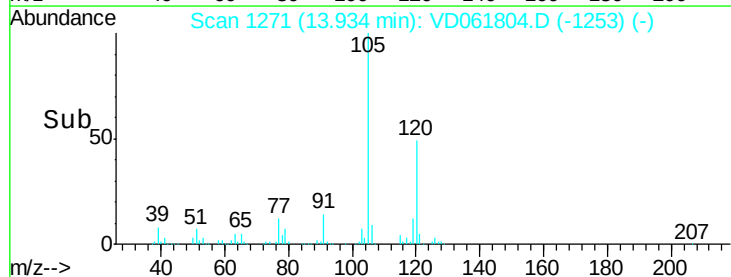
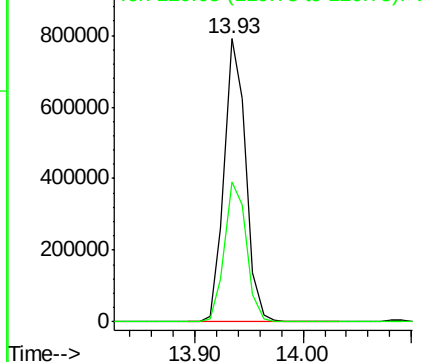


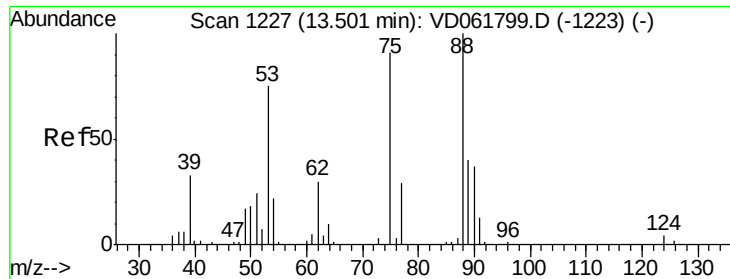
#80
 1,3,5-Trimethylbenzene
 Concen: 51.469 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Tgt Ion: 105 Resp: 1096297
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.0 72.0



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: 50.815 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

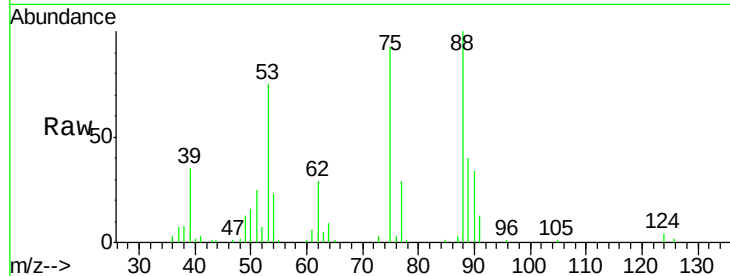
Tot Ion: 75 Resp: 89633

Ion Ratio Lower Upper

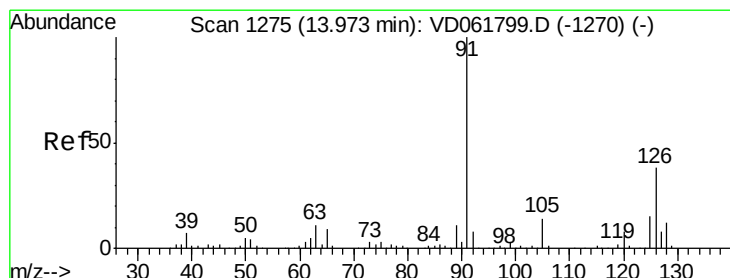
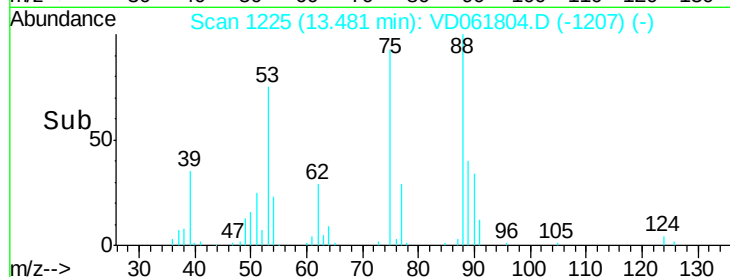
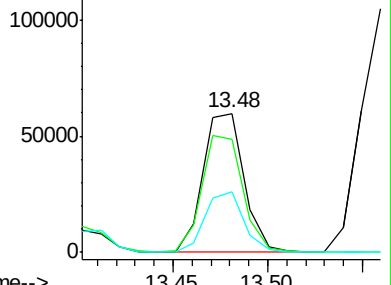
75 100

53 81.1 65.8 98.8

89 43.1 35.0 52.6



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



#82

4-Chlorotoluene

Concen: 47.296 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VD061804.D

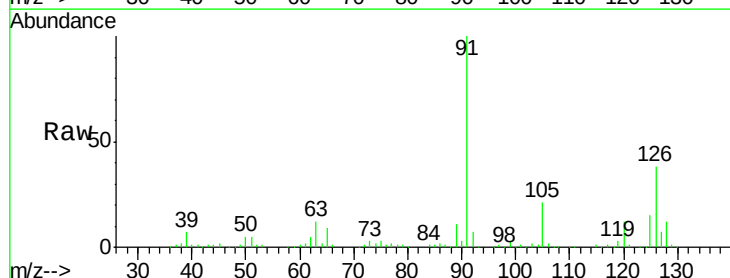
Acq: 16 Apr 2019 11:29

Tgt Ion: 91 Resp: 980842

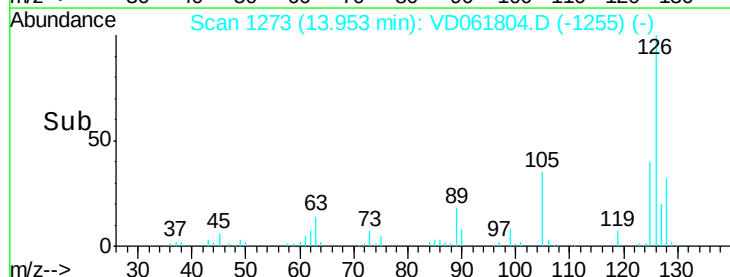
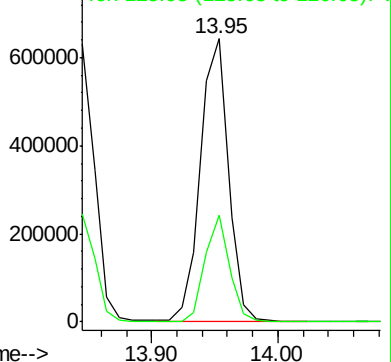
Ion Ratio Lower Upper

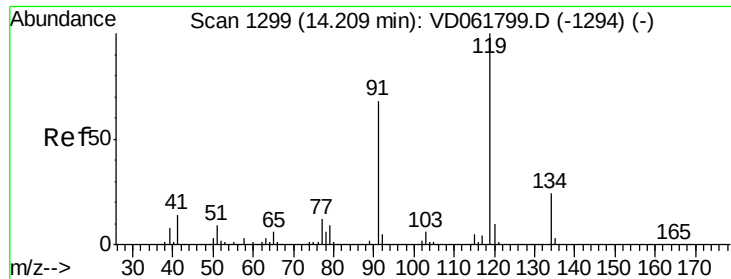
91 100

126 37.9 19.1 57.5



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

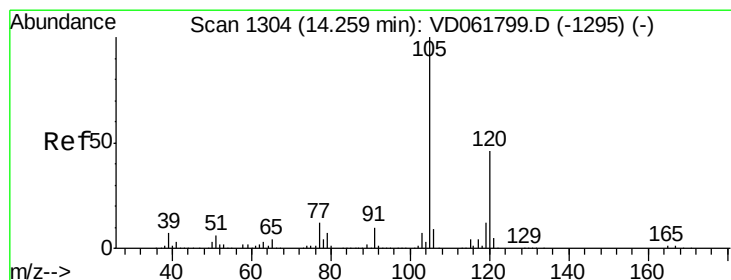
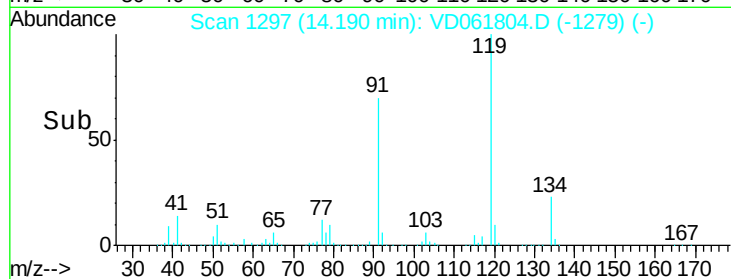
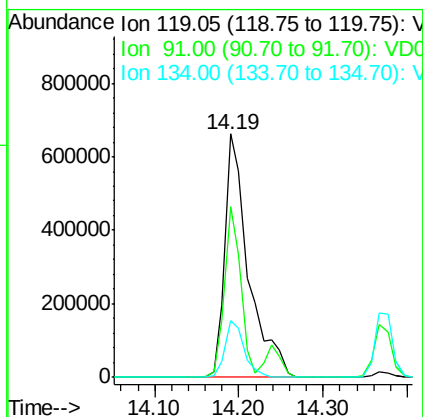
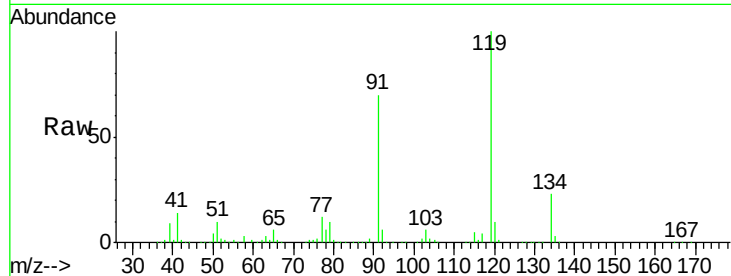




#83
 tert-Butylbenzene
 Concen: 51.945 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

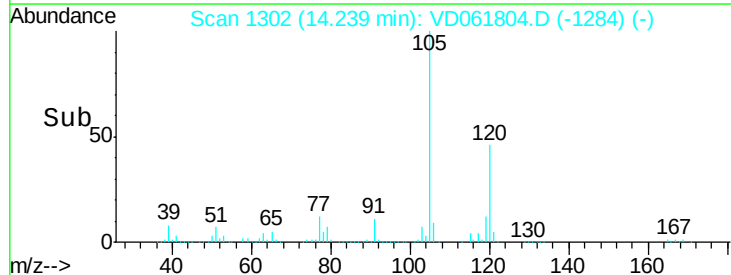
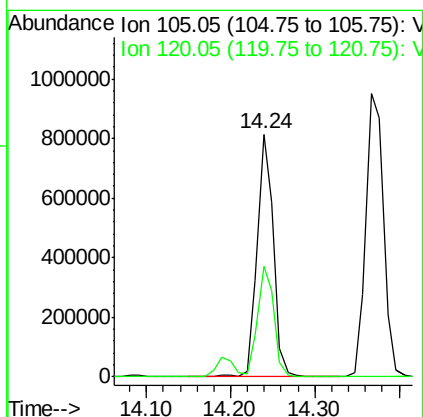
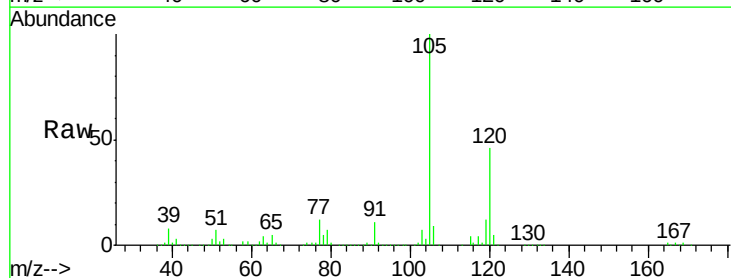
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

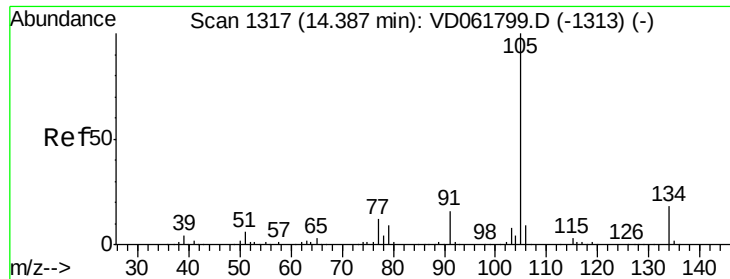
Tot Ion:119 Resp: 1299165
 Ion Ratio Lower Upper
 119 100
 91 70.1 34.2 102.6
 134 23.4 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.827 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Tgt Ion:105 Resp: 1109649
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.1 69.2

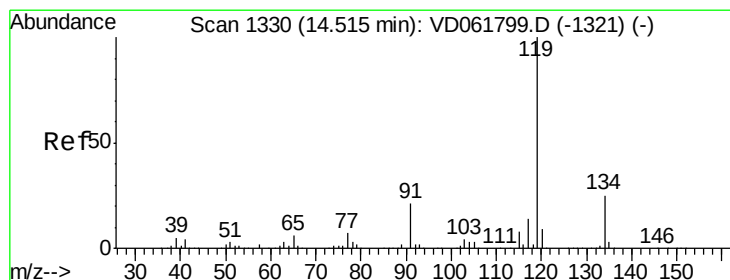
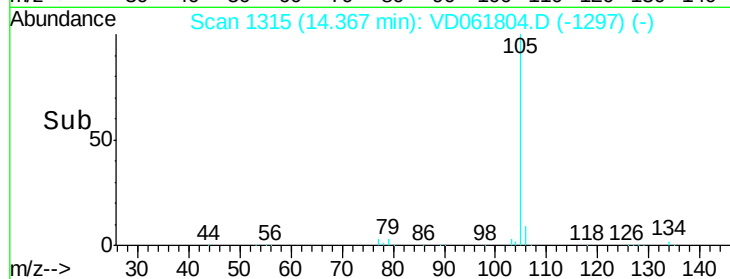
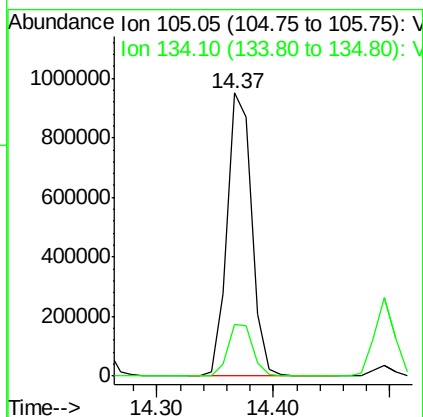
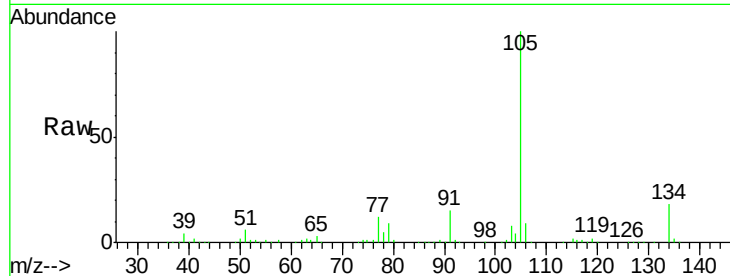




#85
 sec-Butylbenzene
 Concen: 53.665 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.02 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

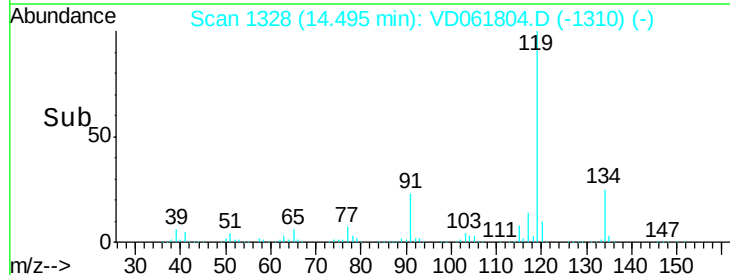
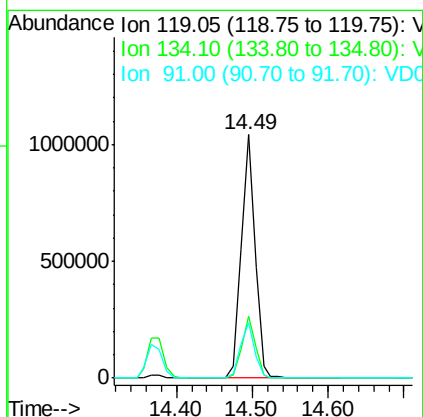
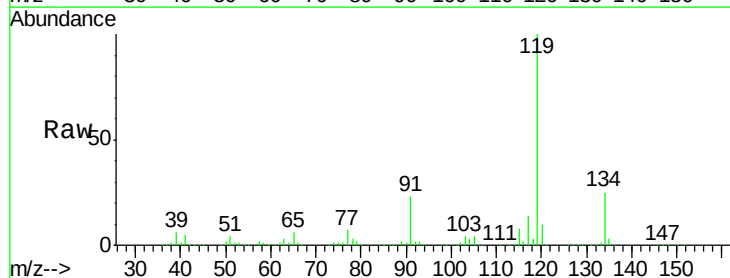
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

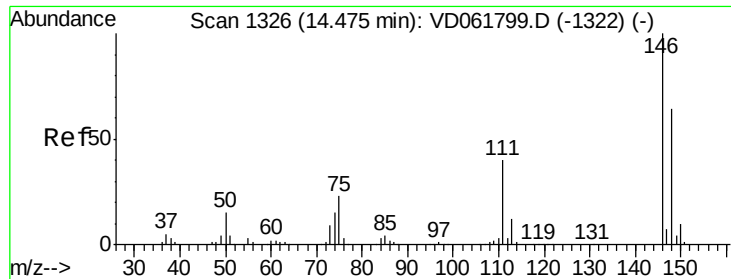
Tot Ion:105 Resp: 1387497
 Ion Ratio Lower Upper
 105 100
 134 18.3 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 53.514 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Tgt Ion:119 Resp: 1294542
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.3
 91 22.8 10.7 32.1

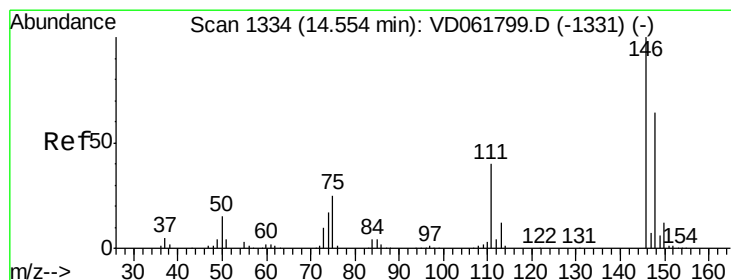
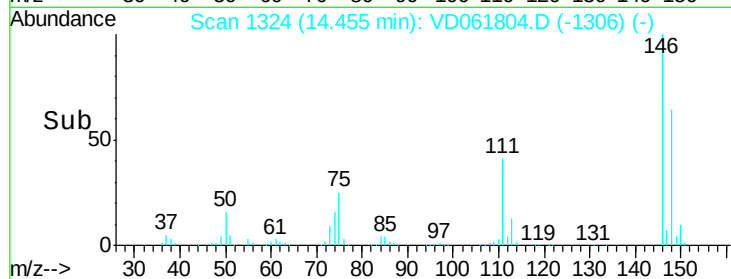
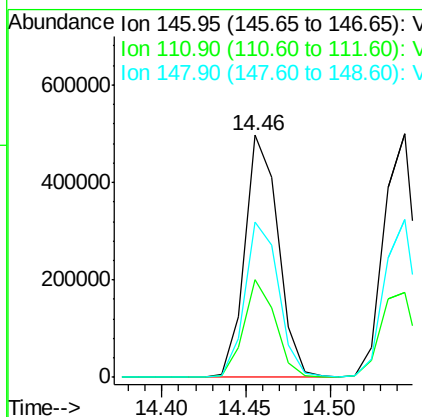
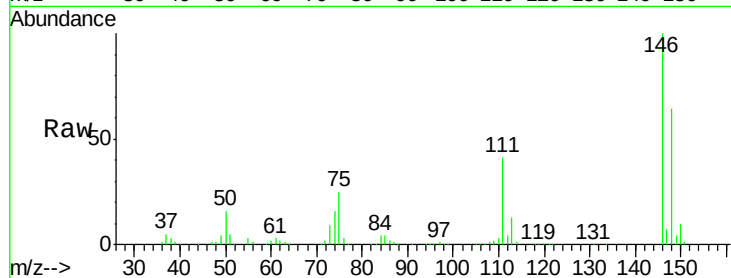




#87
 1,3-Dichlorobenzene
 Concen: 51.457 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

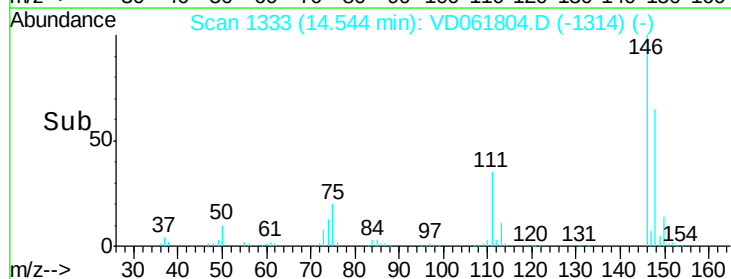
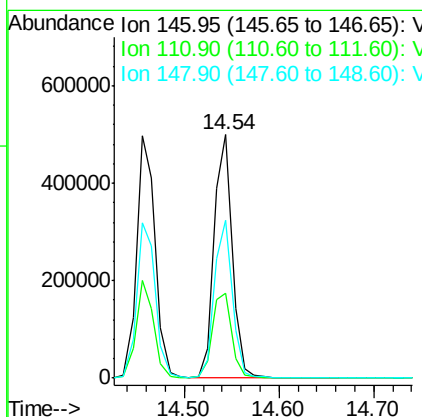
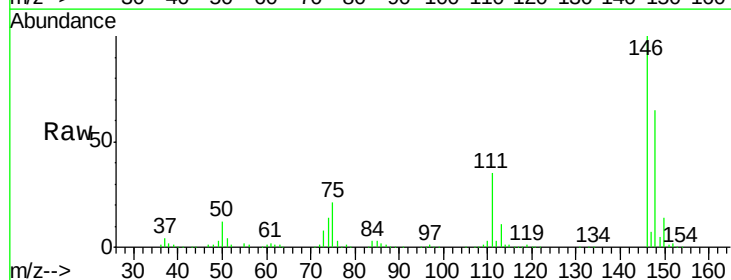
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

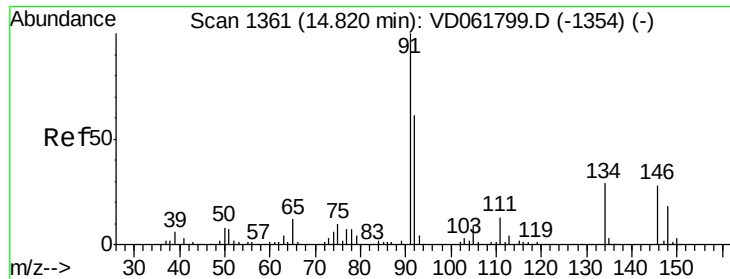
Tot Ion:146 Resp: 685009
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.0 60.0
 148 64.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 50.664 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Tgt Ion:146 Resp: 666702
 Ion Ratio Lower Upper
 146 100
 111 34.8 20.2 60.5
 148 64.8 32.0 96.2





#89

n-Butylbenzene

Concen: 48.999 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VD061804.D

Acq: 16 Apr 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

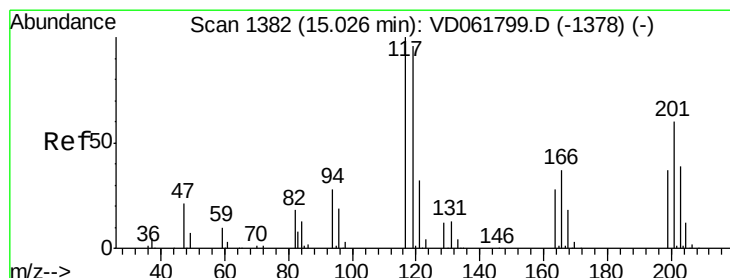
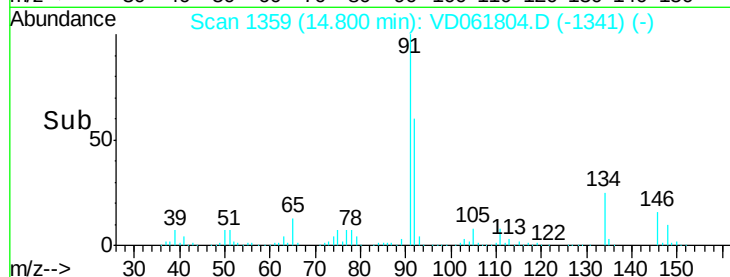
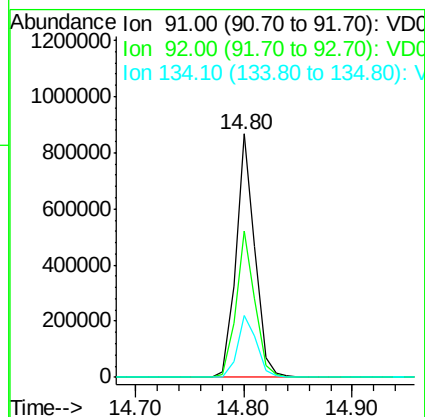
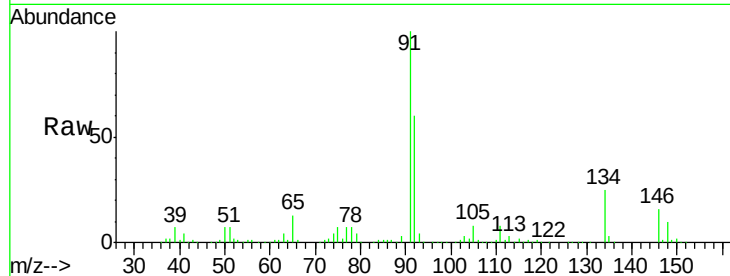
Tot Ion: 91 Resp: 1049221

Ion Ratio Lower Upper

91 100

92 60.0 30.3 91.0

134 25.2 14.5 43.6



#90

Hexachloroethane

Concen: 54.678 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.02 min

Lab File: VD061804.D

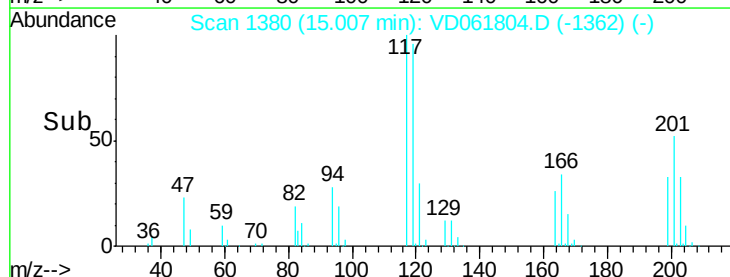
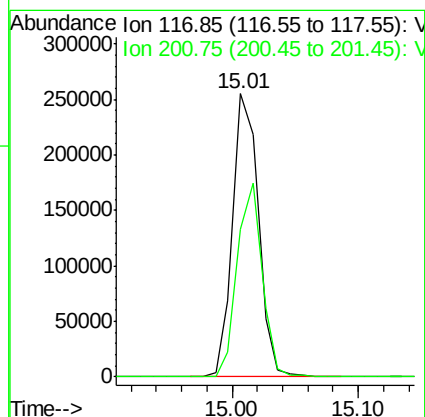
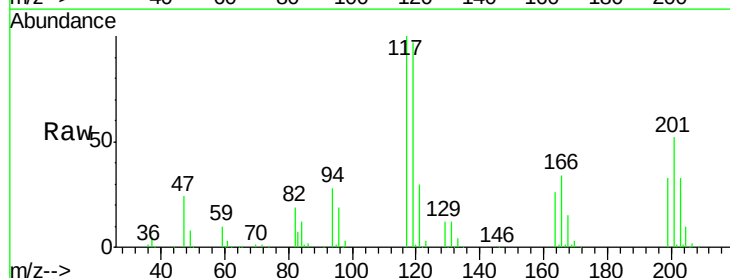
Acq: 16 Apr 2019 11:29

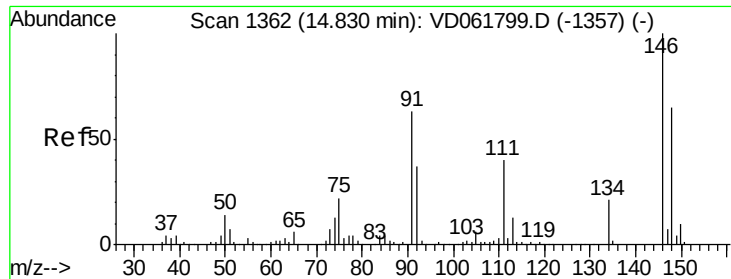
Tgt Ion: 117 Resp: 360520

Ion Ratio Lower Upper

117 100

201 52.1 30.2 90.6

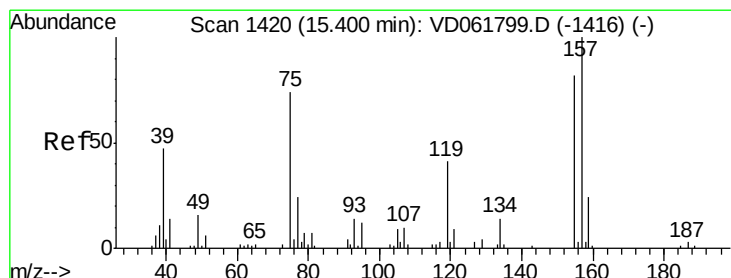
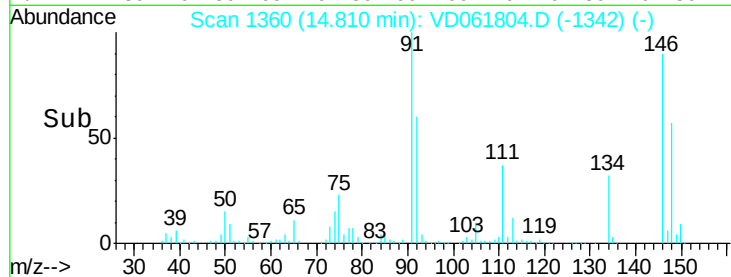
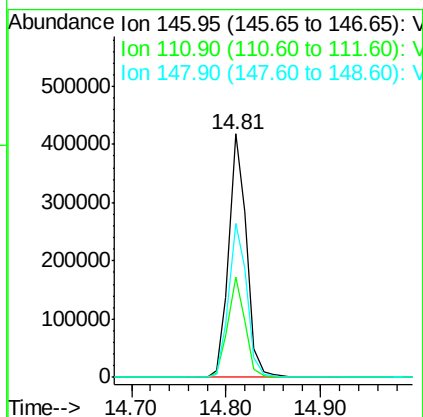
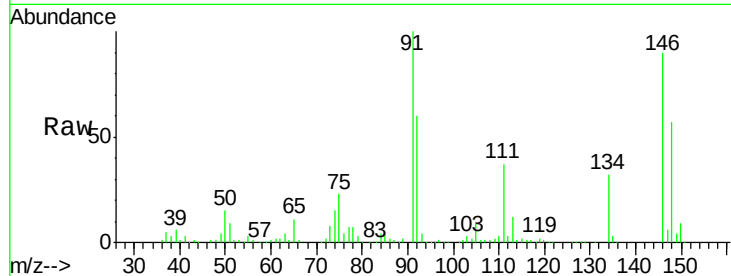




#91
 1,2-Dichlorobenzene
 Concen: 48.840 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

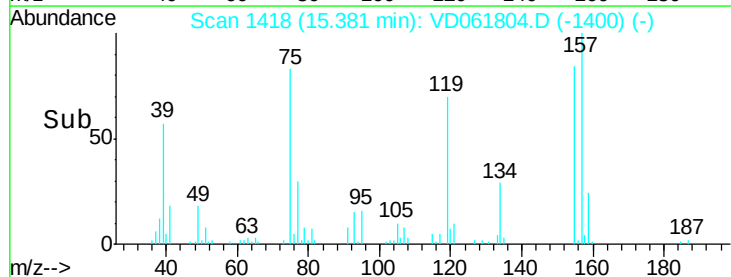
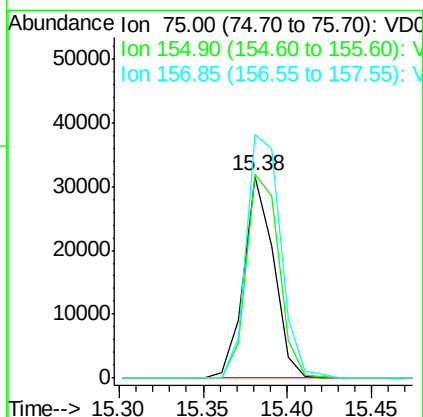
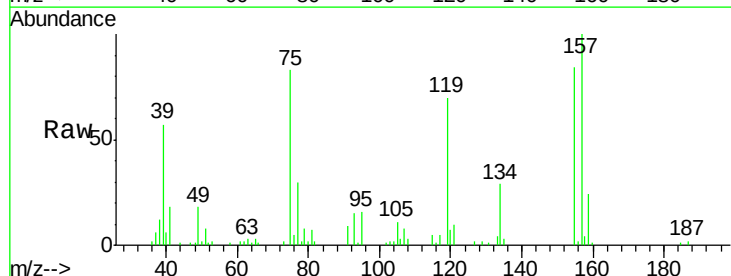
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

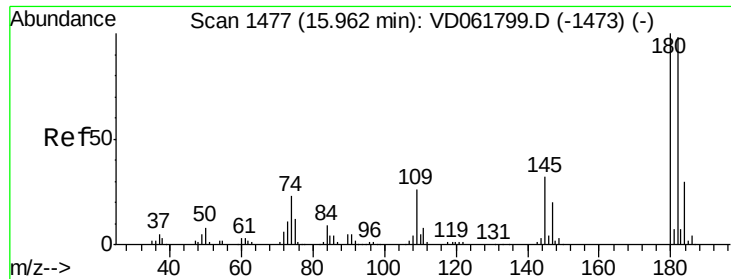
Tot Ion:146 Resp: 544616
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.0 59.9
 148 63.2 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.666 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Tgt Ion: 75 Resp: 38873
 Ion Ratio Lower Upper
 75 100
 155 101.3 55.3 165.8
 157 120.6 67.8 203.2

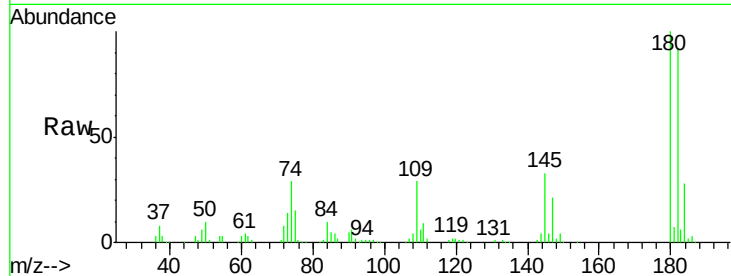




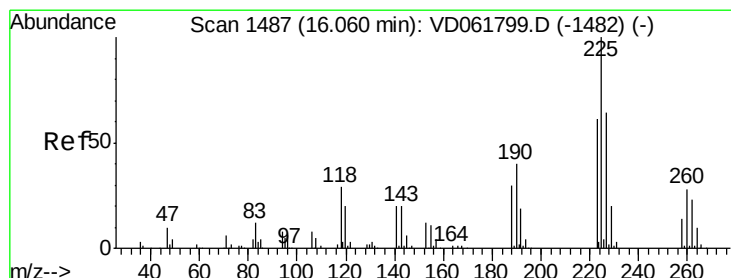
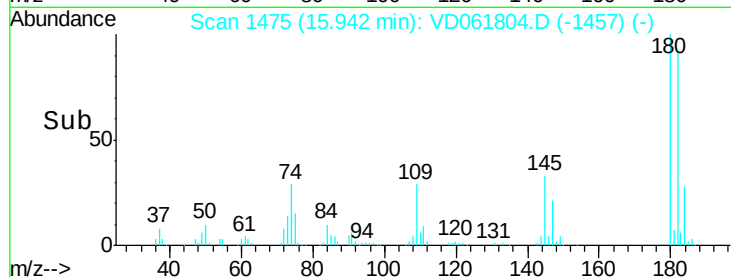
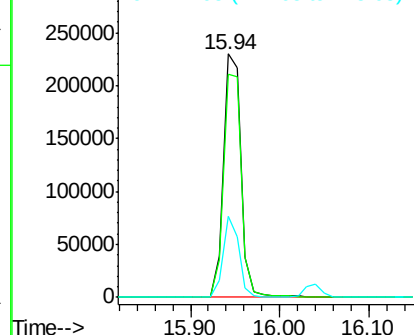
#93
 1,2,4-Trichlorobenzene
 Concen: 51.972 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.02 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.7	49.3	147.8
145	33.5	16.2	48.6

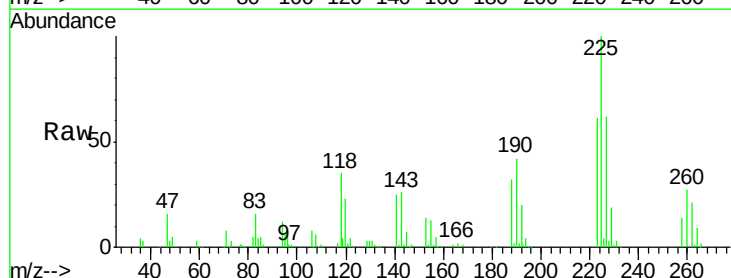


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

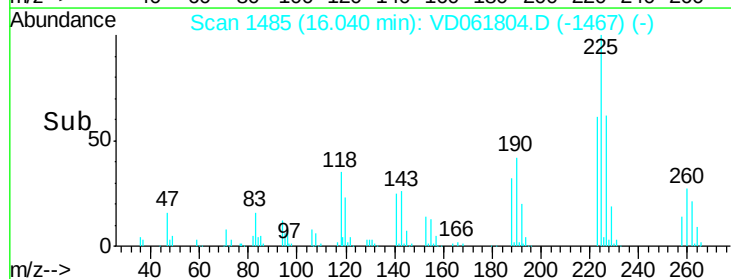
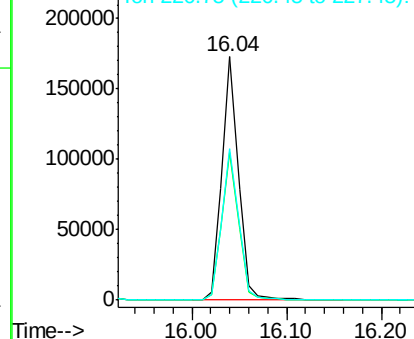


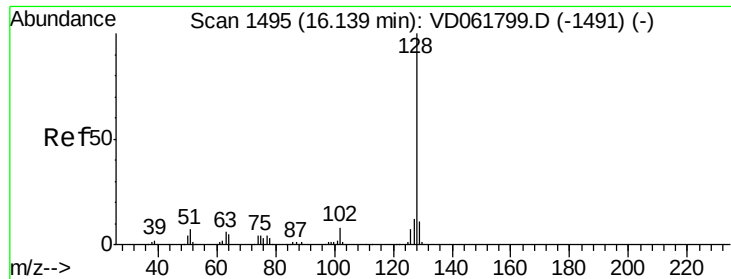
#94
 Hexachlorobutadiene
 Concen: 47.365 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. -0.02 min
 Lab File: VD061804.D
 Acq: 16 Apr 2019 11:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	30.6	92.0
227	62.2	32.0	96.2



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

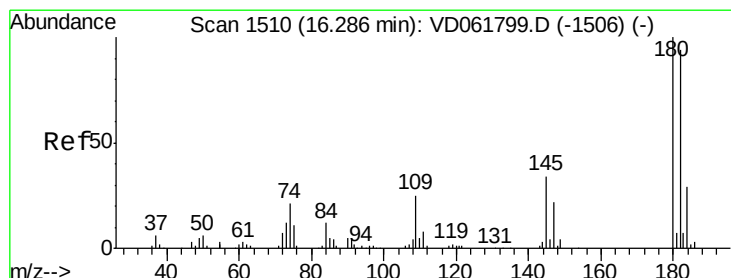
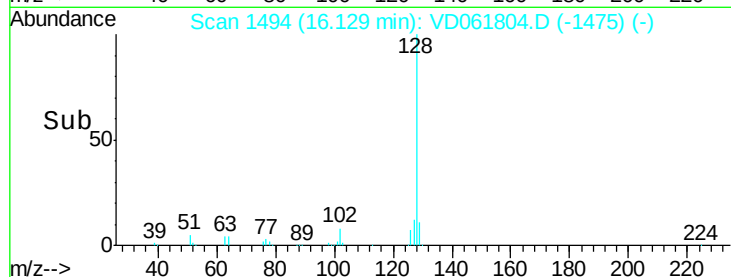
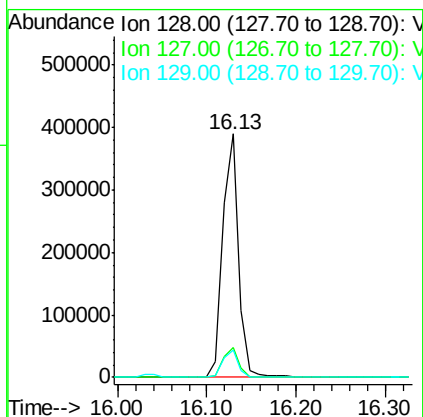
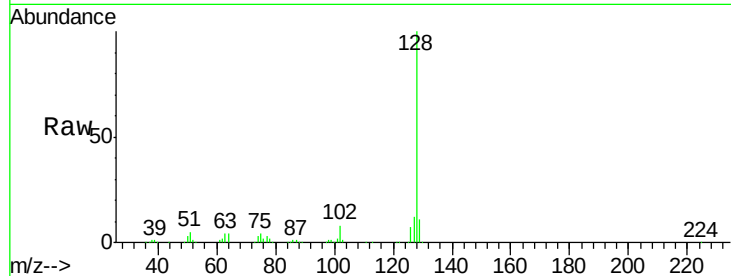




#95
Naphthalene
Concen: 52.252 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 490499
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 45.230 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VD061804.D
Acq: 16 Apr 2019 11:29

Tgt Ion:180 Resp: 157857
Ion Ratio Lower Upper
180 100
182 96.6 47.0 141.0
145 28.2 17.0 51.0

