

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061888.D
 Acq On : 18 Apr 2019 23:50
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 19 01:03:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	494175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	833041	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	695763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	311571	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	227677	54.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.94%	
35) Dibromofluoromethane	6.93	113	341655	54.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.58%	
50) Toluene-d8	10.41	98	783539	52.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	13.56	95	305395	50.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	253309	52.518	ug/l	98
3) Chloromethane	1.75	50	220769	57.433	ug/l	95
4) Vinyl Chloride	1.85	62	220323	57.753	ug/l	97
5) Bromomethane	2.15	94	57974	69.328	ug/l	94
6) Chloroethane	2.26	64	82846	63.657	ug/l	100
7) Trichlorofluoromethane	2.53	101	351973	56.887	ug/l	99
8) Diethyl Ether	2.87	74	88951	54.857	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.15	101	289451	52.467	ug/l	98
10) Methyl Iodide	3.30	142	453013	51.335	ug/l	99
11) Tert butyl alcohol	4.06	59	68799	281.682	ug/l	98
12) 1,1-Dichloroethene	3.13	96	243777	52.561	ug/l	97
13) Acrolein	3.04	56	76526	323.648	ug/l	90
14) Allyl chloride	3.62	41	352460	55.753	ug/l	97
15) Acrylonitrile	4.19	53	216456	282.294	ug/l	93
16) Acetone	3.21	43	261765	256.441	ug/l	96
17) Carbon Disulfide	3.38	76	764345	51.006	ug/l	100
18) Methyl Acetate	3.64	43	107821	52.700	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	454492	52.510	ug/l	95
20) Methylene Chloride	3.81	84	310514	62.330	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	269688	52.911	ug/l	94
22) Diisopropyl ether	5.12	45	782954	57.939	ug/l	97
23) Vinyl Acetate	5.06	43	2126881	294.428	ug/l	99
24) 1,1-Dichloroethane	4.99	63	459351	56.065	ug/l	99
25) 2-Butanone	6.07	43	329747	283.749	ug/l	97
26) 2,2-Dichloropropane	6.03	77	363246	51.294	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	305151	55.227	ug/l	99
28) Bromochloromethane	6.44	49	162597	52.247	ug/l	99
29) Tetrahydrofuran	6.46	42	155642	274.947	ug/l	99
30) Chloroform	6.67	83	535147	58.560	ug/l	98
31) Cyclohexane	6.97	56	336619	53.670	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	464886	57.388	ug/l	98
36) 1,1-Dichloropropene	7.15	75	373365	54.848	ug/l	96
37) Ethyl Acetate	6.18	43	147975	50.790	ug/l #	94
38) Carbon Tetrachloride	7.11	117	503855	58.617	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	373712	52.867	ug/l	97
40) Benzene	7.46	78	877404	53.687	ug/l	99
41) Methacrylonitrile	6.44	41	179131	52.019	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	322483	56.658	ug/l	99
43) Isopropyl Acetate	9.24	43	230650	56.257	ug/l	100
44) Trichloroethene	8.55	130	328730	52.251	ug/l	99
45) 1,2-Dichloropropane	8.94	63	227373	53.413	ug/l	98
46) Dibromomethane	9.06	93	168002	55.387	ug/l	97
47) Bromodichloromethane	9.38	83	390772	55.843	ug/l	97
48) Methyl methacrylate	9.12	41	133191	55.266	ug/l	97
49) 1,4-Dioxane	9.09	88	31332	1189.452	ug/l	100
51) 4-Methyl-2-Pentanone	10.30	43	722836	288.297	ug/l	100
52) Toluene	10.51	92	517935	49.455	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	332113	52.671	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	401248	54.212	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	183531	52.007	ug/l	98
56) Ethyl methacrylate	11.05	69	197631	51.025	ug/l	97
57) 1,3-Dichloropropane	11.41	76	274413	51.723	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	508993	276.286	ug/l	97
59) 2-Hexanone	11.53	43	487730	261.910	ug/l	100
60) Dibromochloromethane	11.69	129	333724	57.795	ug/l	98
61) 1,2-Dibromoethane	11.81	107	211051	48.637	ug/l	97
64) Tetrachloroethene	11.27	164	247544	47.441	ug/l	98
65) Chlorobenzene	12.40	112	701728	54.156	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	264963	48.796	ug/l	97
67) Ethyl Benzene	12.53	91	1010088	48.678	ug/l	98
68) m/p-Xylenes	12.67	106	802443	102.949	ug/l	99
69) o-Xylene	13.05	106	352665	48.137	ug/l	96
70) Styrene	13.08	104	632876	50.199	ug/l	99
71) Bromoform	13.24	173	172872	53.634	ug/l	99
73) Isopropylbenzene	13.40	105	1001153	49.546	ug/l	99
74) N-amyl acetate	13.27	43	272894	50.223	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	212581	53.223	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	224378	54.837	ug/l	99
77) Bromobenzene	13.68	156	304769	53.097	ug/l	98
78) n-propylbenzene	13.78	91	1295849	55.507	ug/l	99
79) 2-Chlorotoluene	13.85	91	755278	55.381	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	886621	55.300	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	63729	48.182	ug/l	98
82) 4-Chlorotoluene	13.95	91	817517	52.371	ug/l	97
83) tert-Butylbenzene	14.19	119	971090	51.583	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	885607	54.951	ug/l	98
85) sec-Butylbenzene	14.37	105	1133113	58.223	ug/l	100
86) p-Isopropyltoluene	14.50	119	958602	52.644	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	548824	54.770	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	504464	50.929	ug/l	96
89) n-Butylbenzene	14.80	91	777661	48.247	ug/l	96
90) Hexachloroethane	15.01	117	284842	57.392	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	433813	51.684	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	33439	57.209	ug/l	84

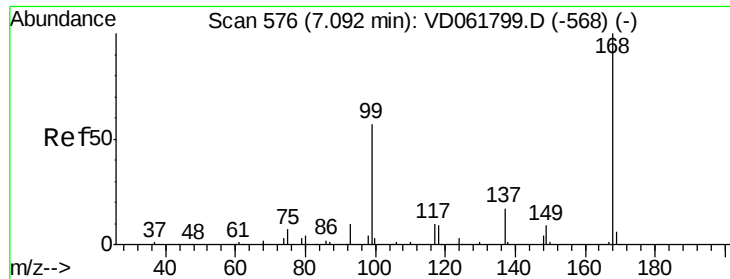
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	247619	53.713	ug/l	97
94) Hexachlorobutadiene	16.04	225	190681	57.076	ug/l	99
95) Naphthalene	16.13	128	423121	59.882	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	157921	60.112	ug/l	97

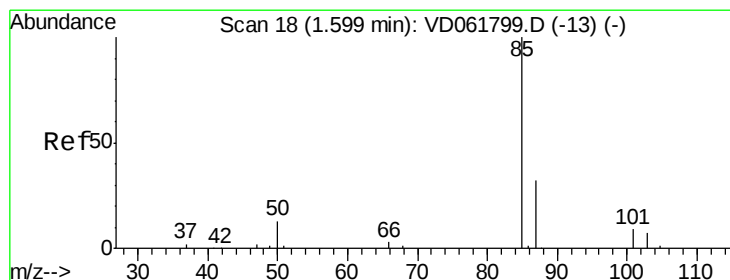
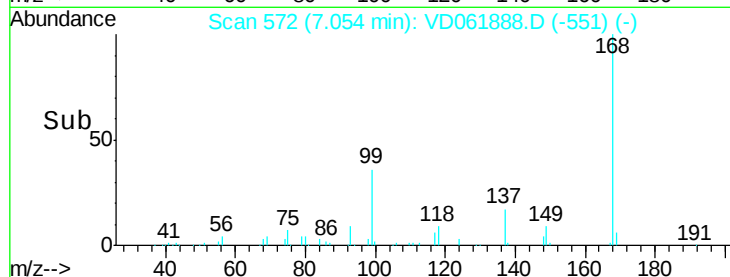
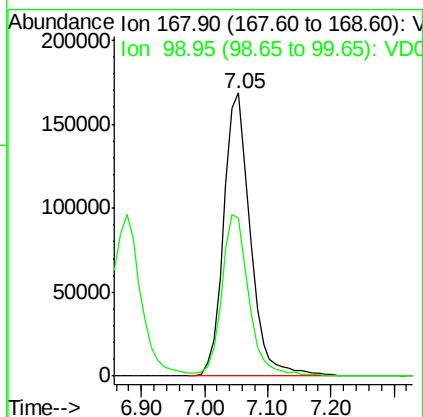
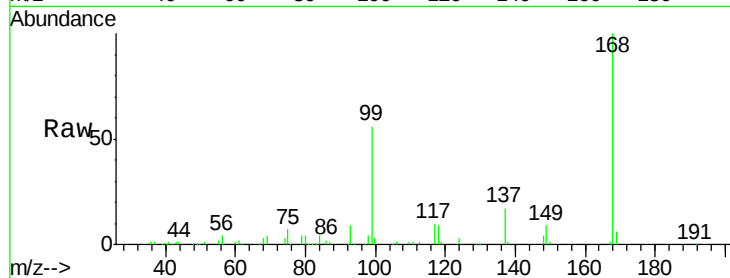
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

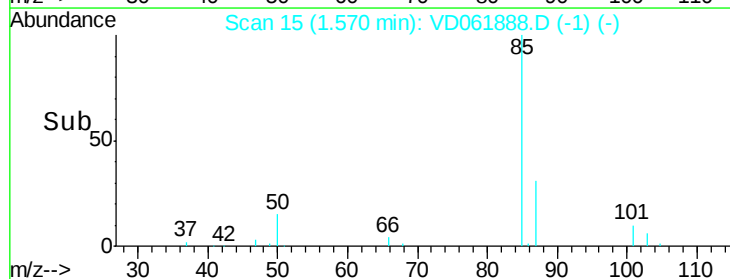
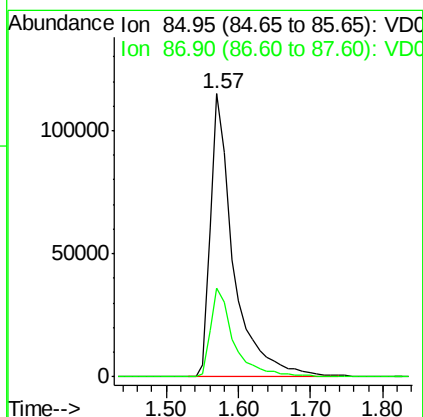
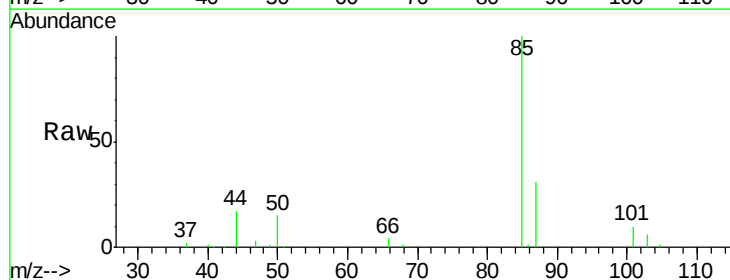
Instrument :
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VSTDCCC050

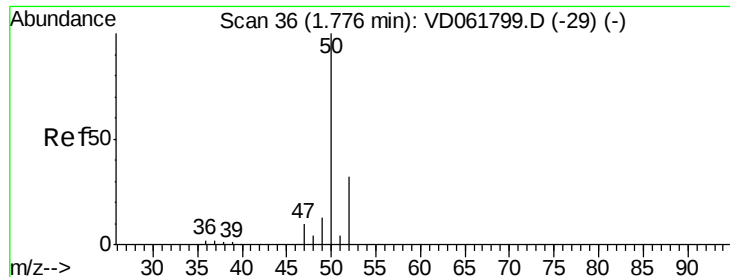
Tot Ion:168 Resp: 494175
Ion Ratio Lower Upper
168 100
99 55.8 46.5 69.7



#2
Dichlorodifluoromethane
Concen: 52.518 ug/l
RT: 1.57 min Scan# 15
Delta R.T. -0.01 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion: 85 Resp: 253309
Ion Ratio Lower Upper
85 100
87 31.3 16.2 48.6





#3

Chloromethane

Concen: 57.433 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

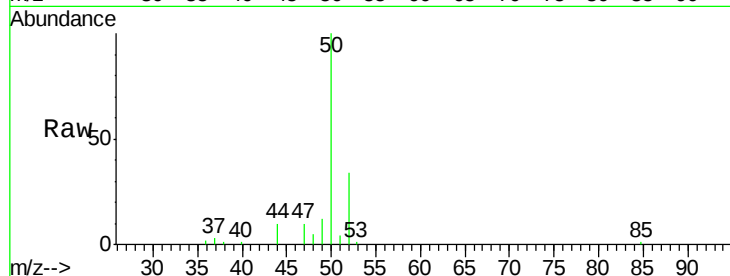
VSTDCCC050

Tot Ion: 50 Resp: 220769

Ion Ratio Lower Upper

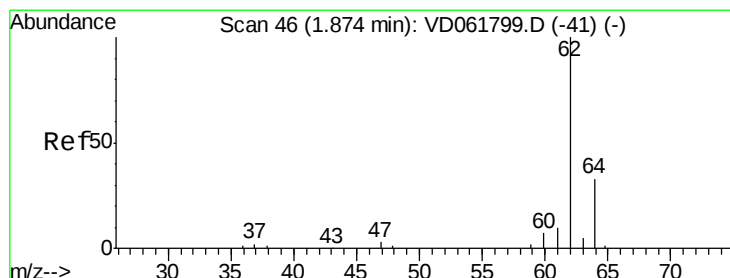
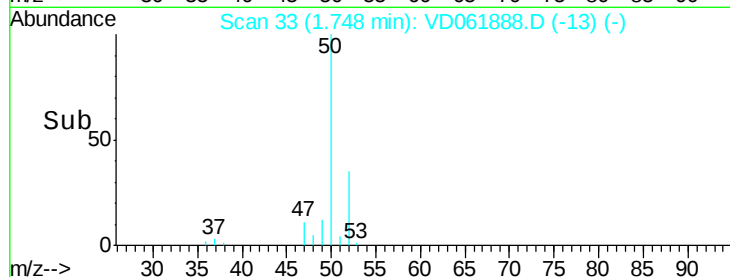
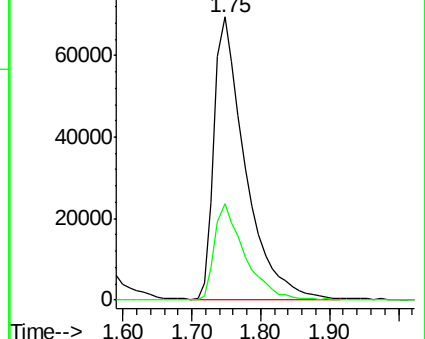
50 100

52 34.0 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: 57.753 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061888.D

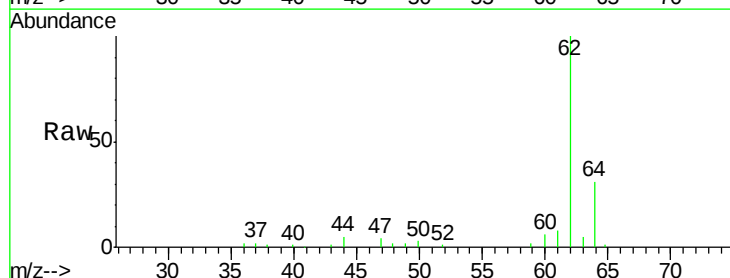
Acq: 18 Apr 2019 23:50

Tgt Ion: 62 Resp: 220323

Ion Ratio Lower Upper

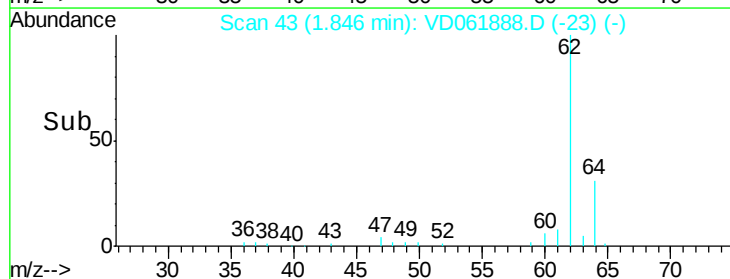
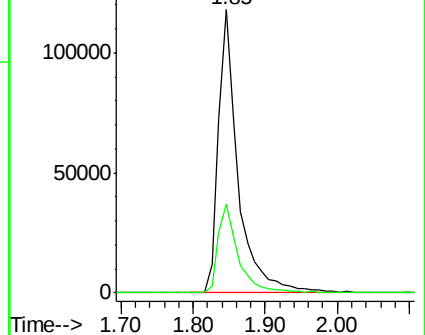
62 100

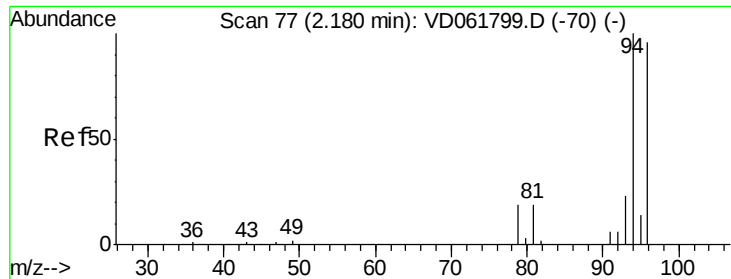
64 31.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 69.328 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

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ClientSampleId :

VSTDCCC050

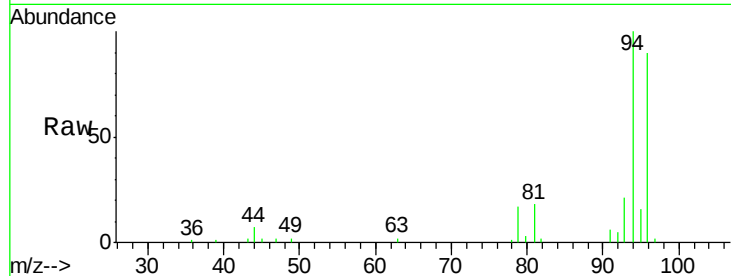
Tot Ion: 94 Resp: 57974

Ion Ratio Lower Upper

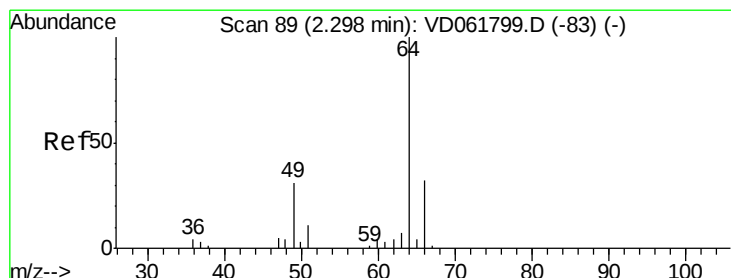
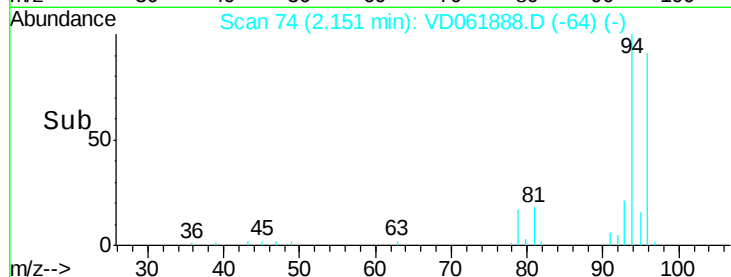
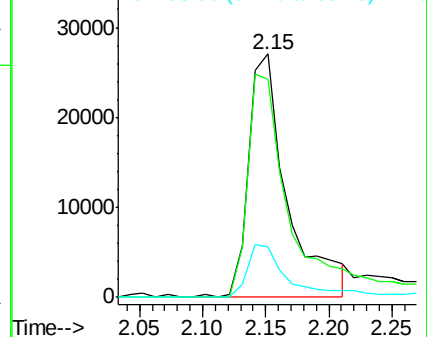
94 100

96 89.7 76.6 115.0

93 20.8 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: 63.657 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061888.D

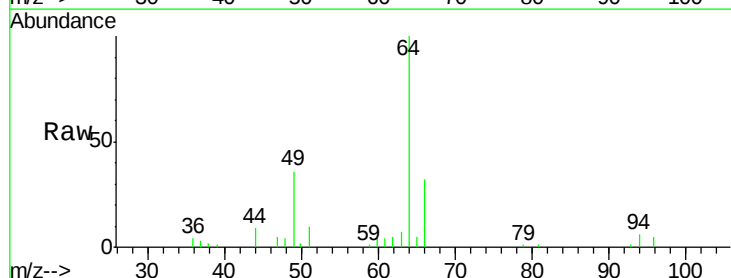
Acq: 18 Apr 2019 23:50

Tgt Ion: 64 Resp: 82846

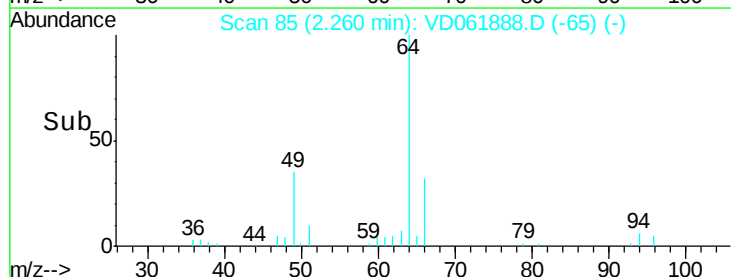
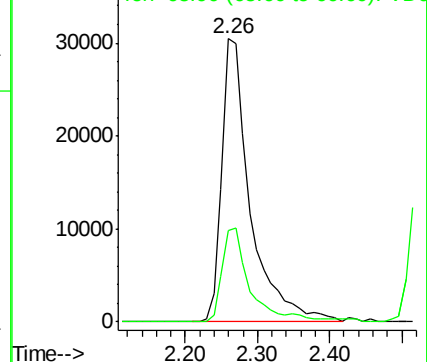
Ion Ratio Lower Upper

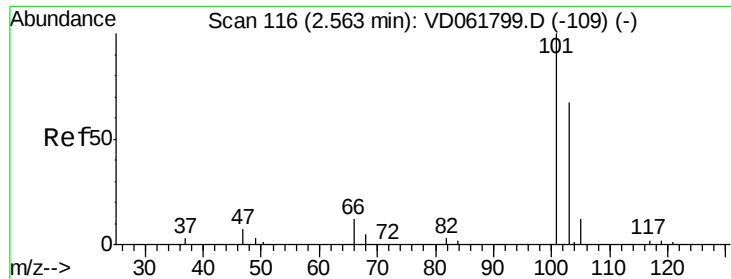
64 100

66 32.2 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



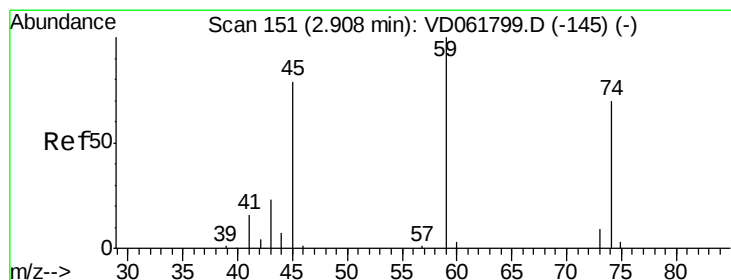
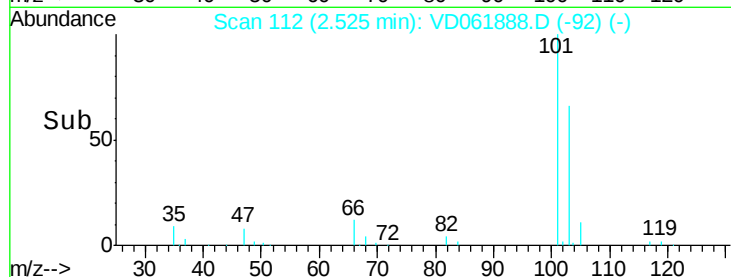
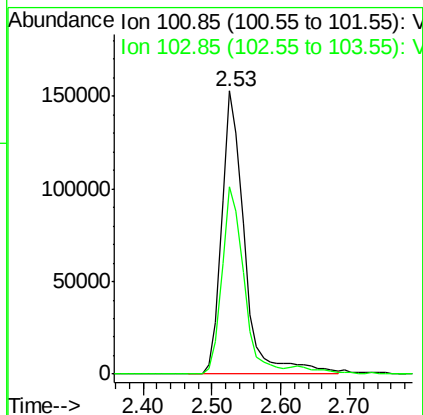
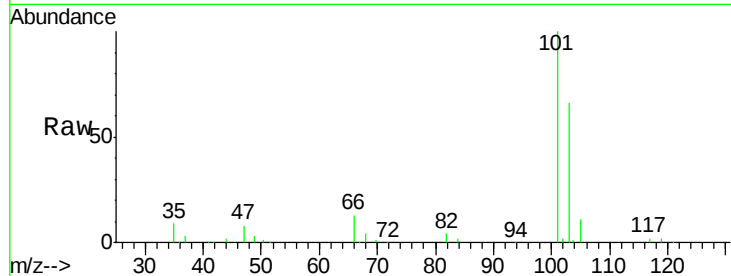


#7

Trichlorofluoromethane
 Concen: 56.887 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

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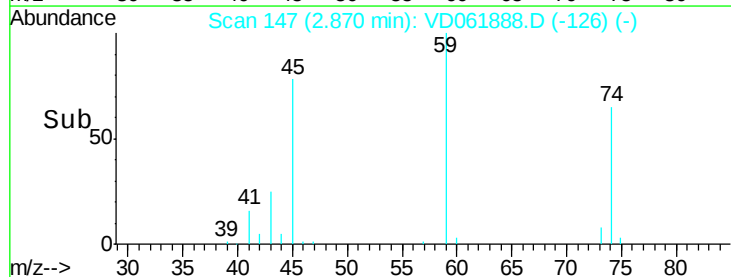
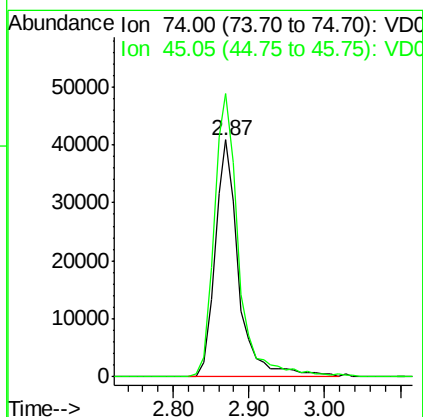
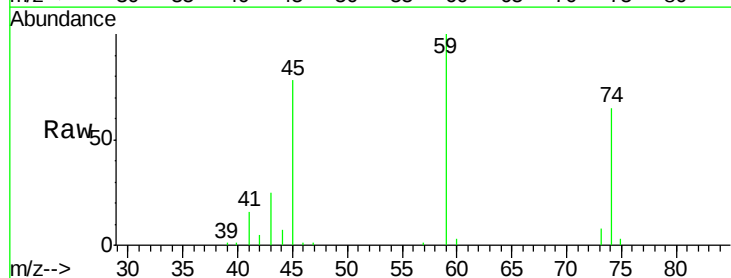
Tot Ion:101 Resp: 351973
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.6 80.4

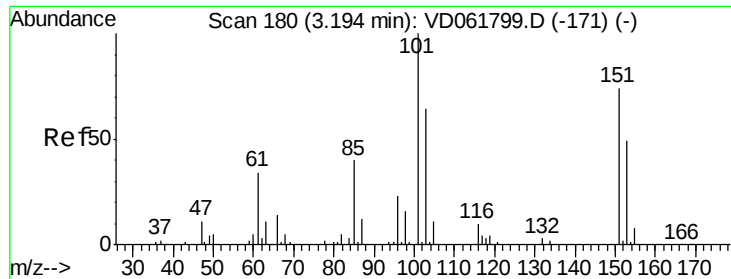


#8

Diethyl Ether
 Concen: 54.857 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Tgt Ion: 74 Resp: 88951
 Ion Ratio Lower Upper
 74 100
 45 119.4 56.9 170.7

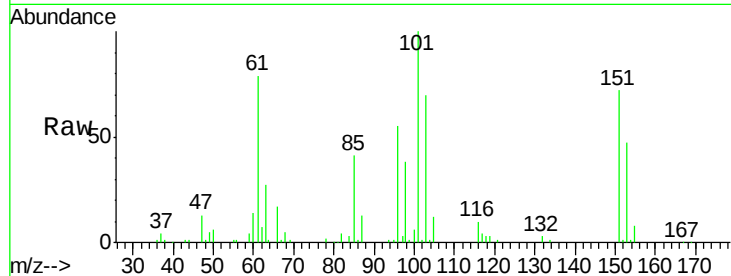




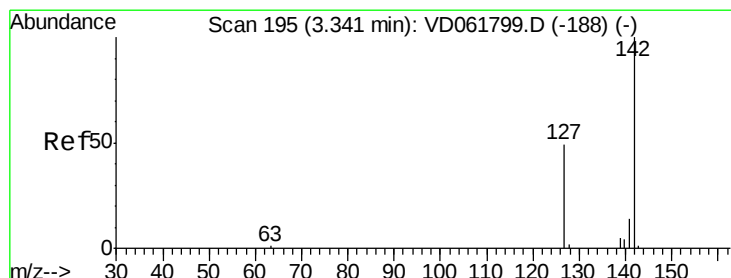
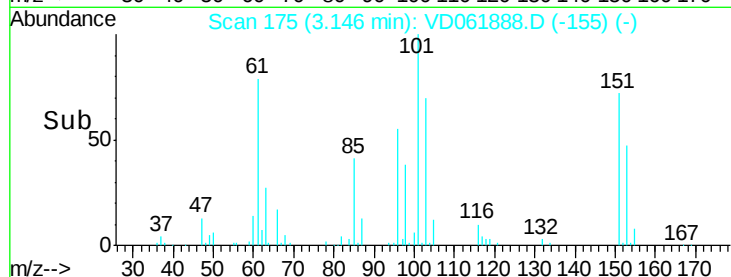
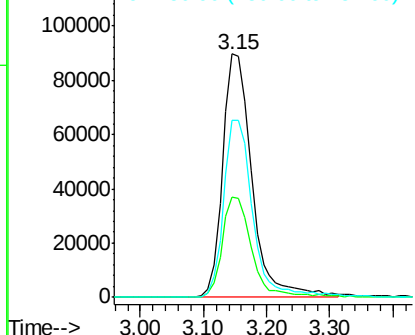
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.467 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. -0.01 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 289451
 Ion Ratio Lower Upper
 101 100
 85 41.2 32.4 48.6
 151 72.5 59.4 89.0

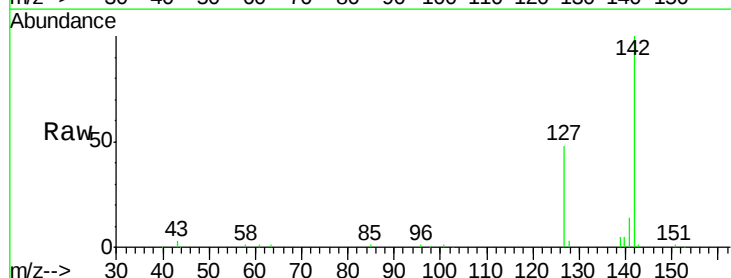


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

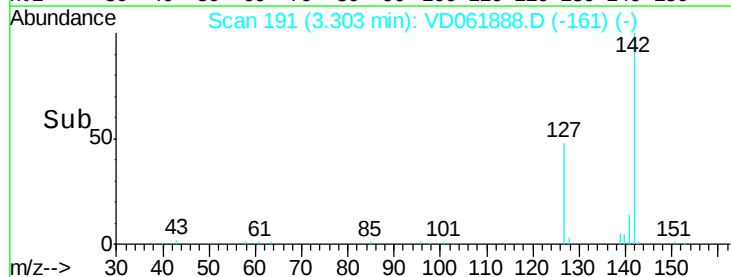
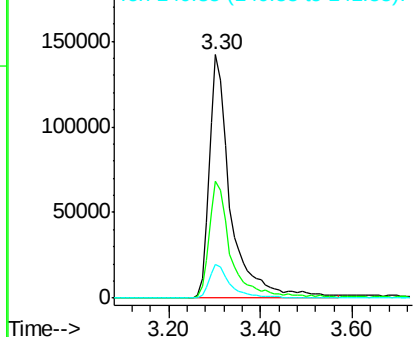


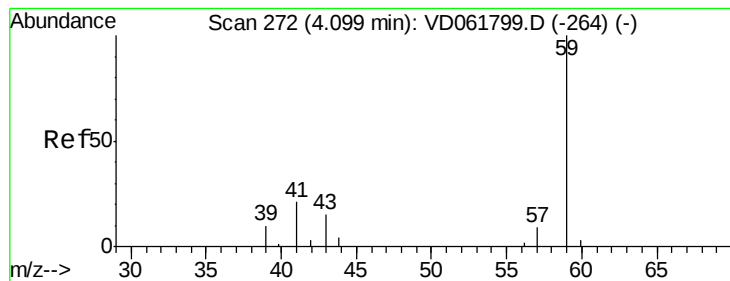
#10
 Methyl Iodide
 Concen: 51.335 ug/l
 RT: 3.30 min Scan# 191
 Delta R.T. -0.01 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Tgt Ion:142 Resp: 453013
 Ion Ratio Lower Upper
 142 100
 127 48.0 38.8 58.2
 141 14.0 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



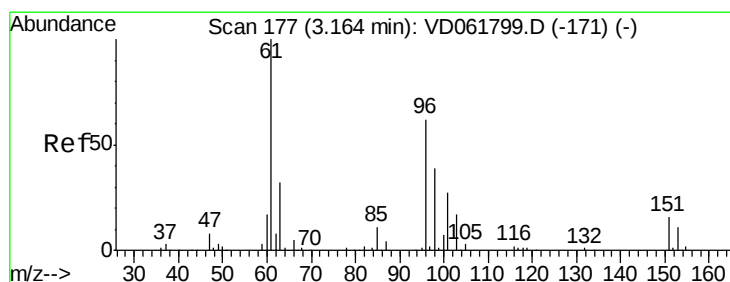
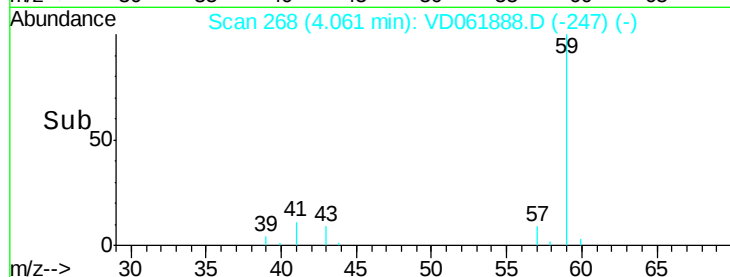
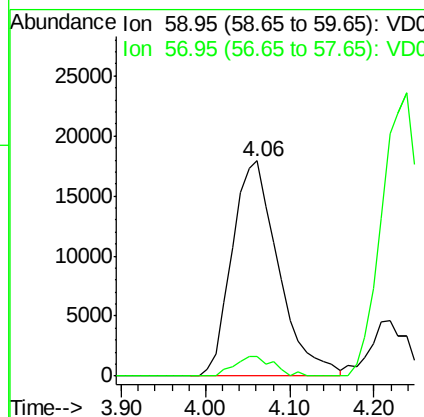
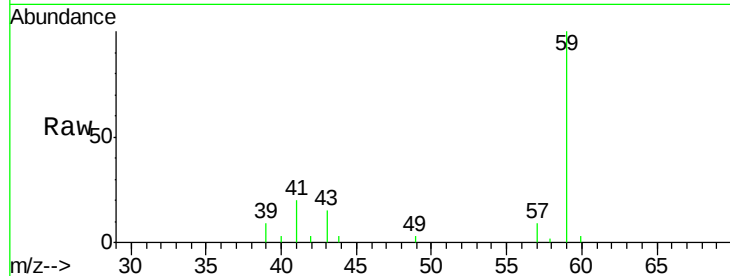


#11

Tert butyl alcohol
 Concen: 281.682 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

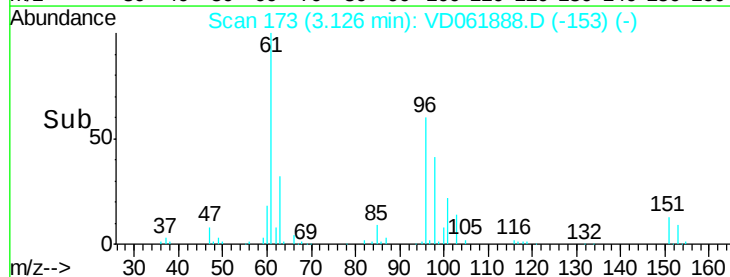
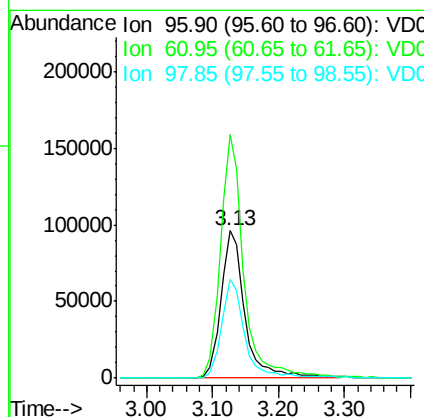
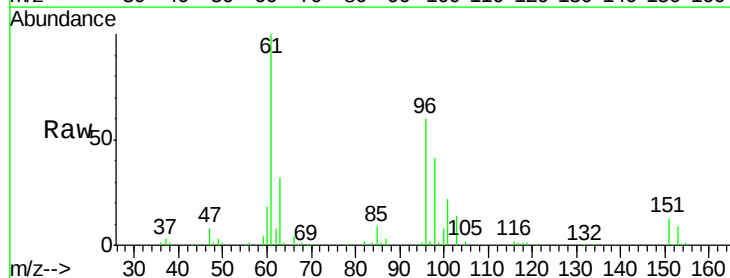
Tot Ion: 59 Resp: 68799
 Ion Ratio Lower Upper
 59 100
 57 9.2 6.9 10.3

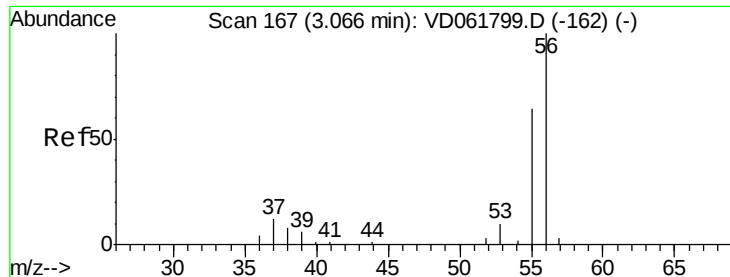


#12

1,1-Dichloroethene
 Concen: 52.561 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Tgt Ion: 96 Resp: 243777
 Ion Ratio Lower Upper
 96 100
 61 165.4 129.8 194.8
 98 67.1 51.2 76.8

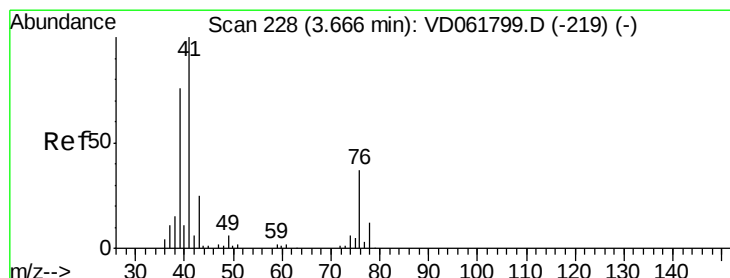
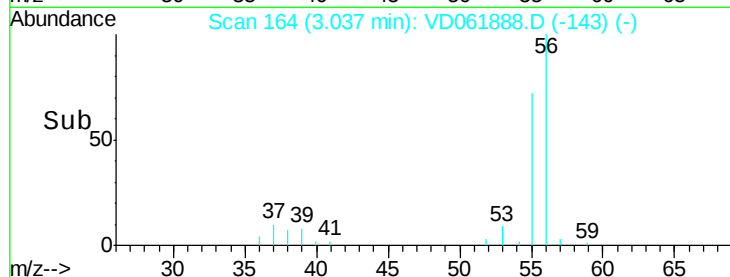
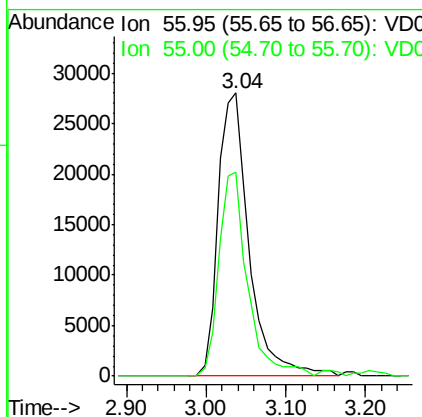
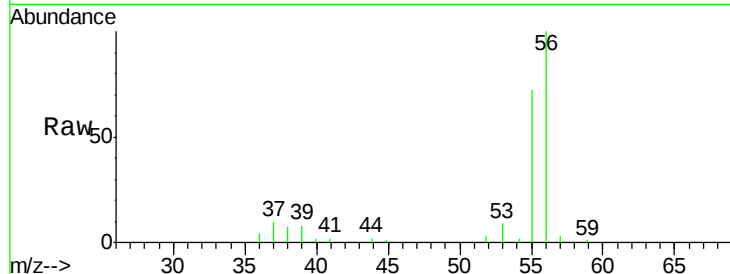




#13
 Acrolein
 Concen: 323.648 ug/l
 RT: 3.04 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

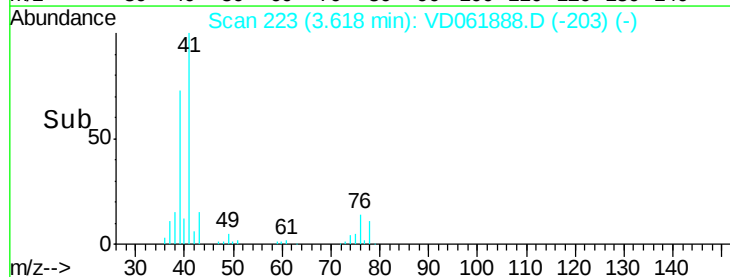
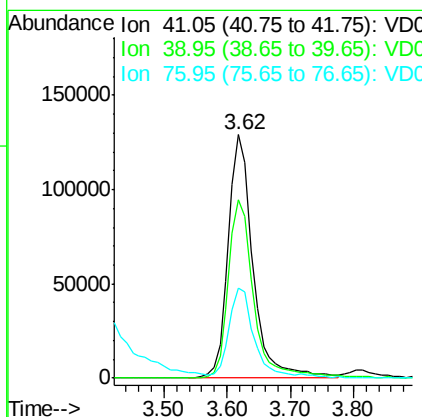
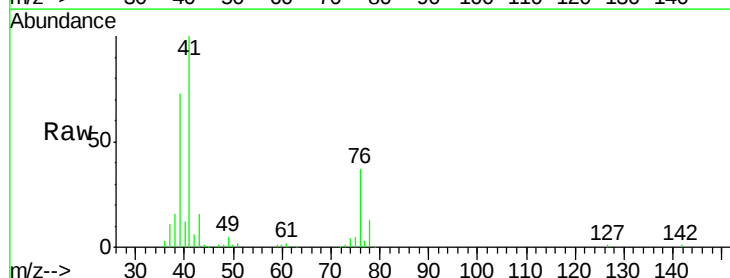
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

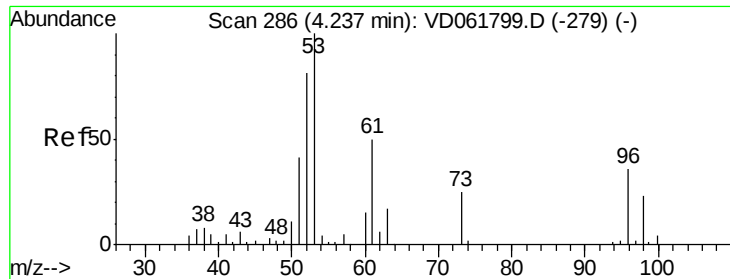
Tot Ion: 56 Resp: 76526
 Ion Ratio Lower Upper
 56 100
 55 72.0 51.4 77.2



#14
 Allyl chloride
 Concen: 55.753 ug/l
 RT: 3.62 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Tgt Ion: 41 Resp: 352460
 Ion Ratio Lower Upper
 41 100
 39 73.5 60.5 90.7
 76 37.2 31.8 47.8





#15

Acrylonitrile

Concen: 282.294 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

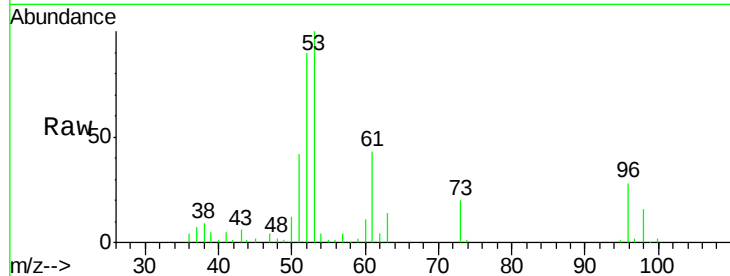
Tot Ion: 53 Resp: 216456

Ion Ratio Lower Upper

53 100

52 89.9 65.0 97.4

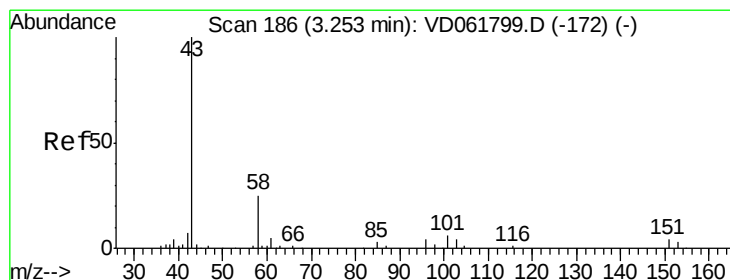
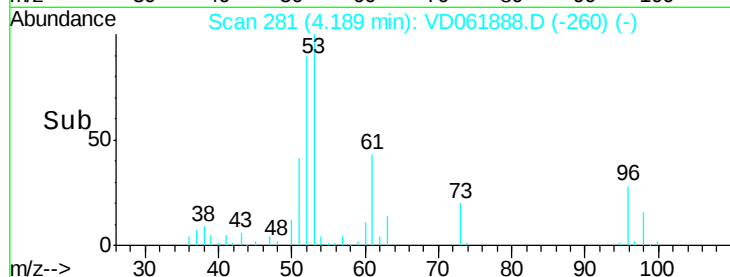
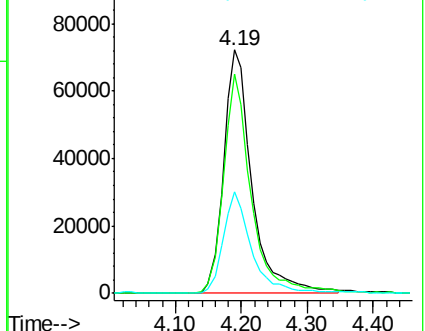
51 41.9 32.6 48.8



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: 256.441 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061888.D

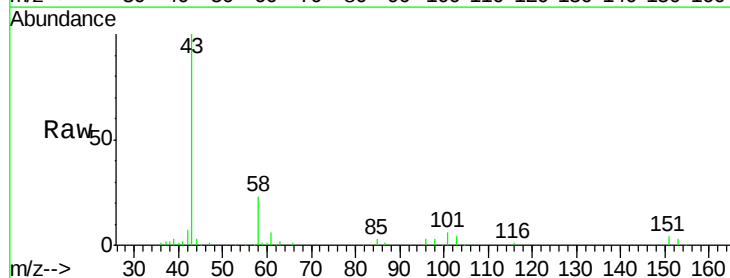
Acq: 18 Apr 2019 23:50

Tgt Ion: 43 Resp: 261765

Ion Ratio Lower Upper

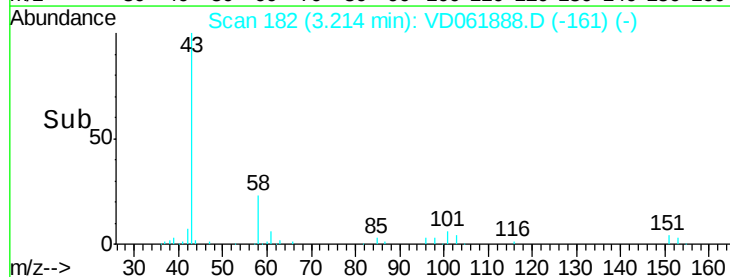
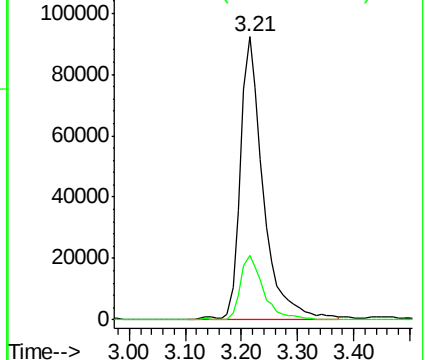
43 100

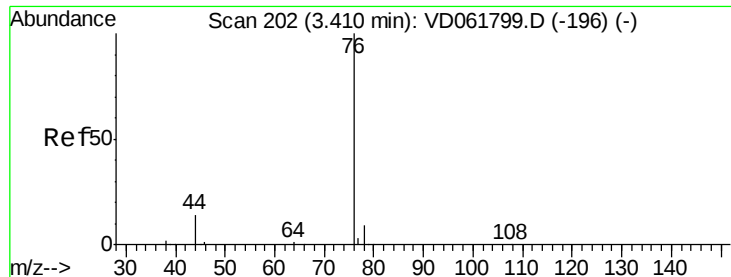
58 22.7 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

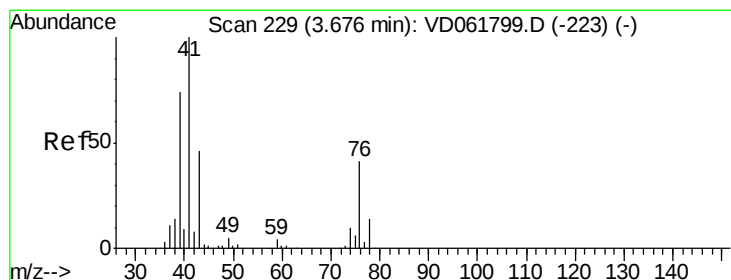
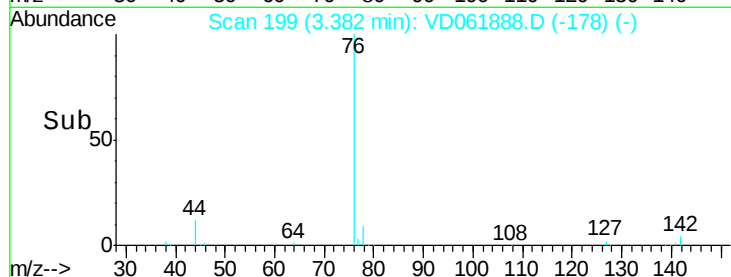
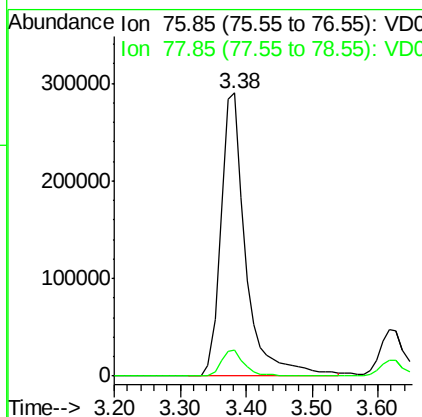
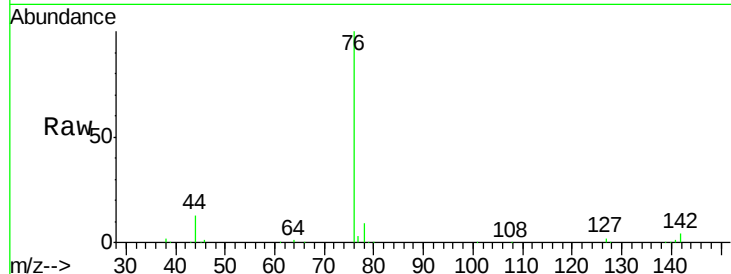




#17
Carbon Disulfide
Concen: 51.006 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

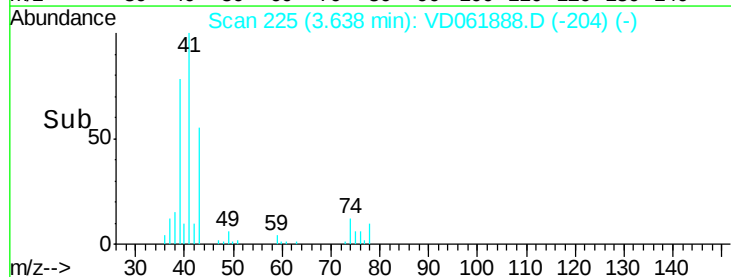
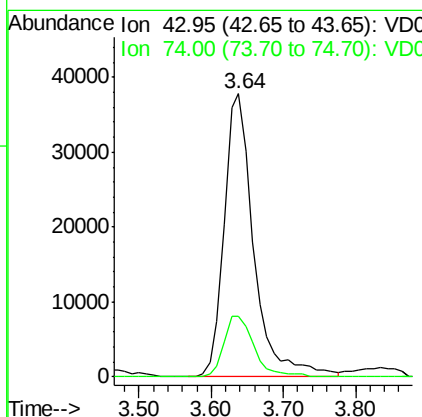
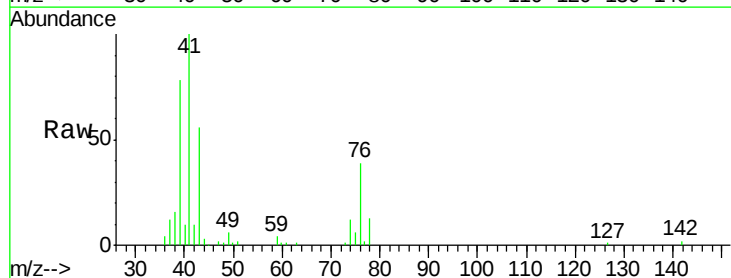
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

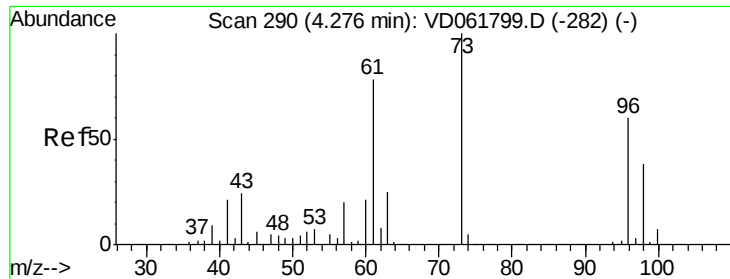
Tot Ion: 76 Resp: 764345
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 52.700 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion: 43 Resp: 107821
Ion Ratio Lower Upper
43 100
74 21.4 18.0 27.0

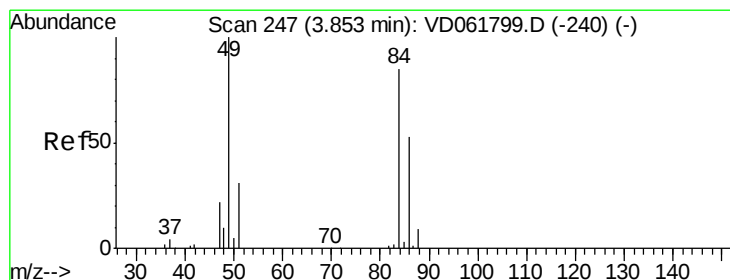
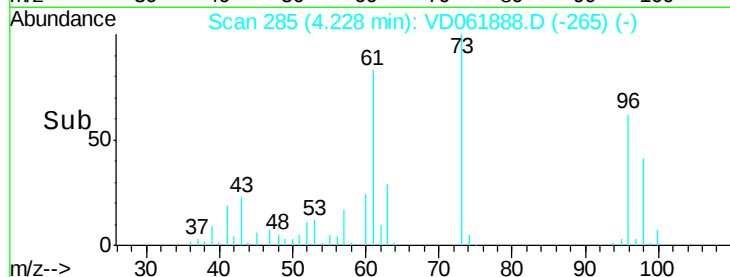
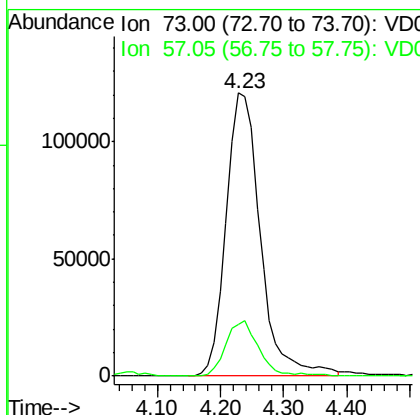
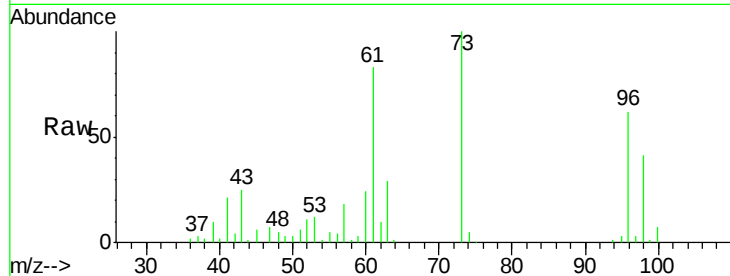




#19
Methyl tert-butyl Ether
Concen: 52.510 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

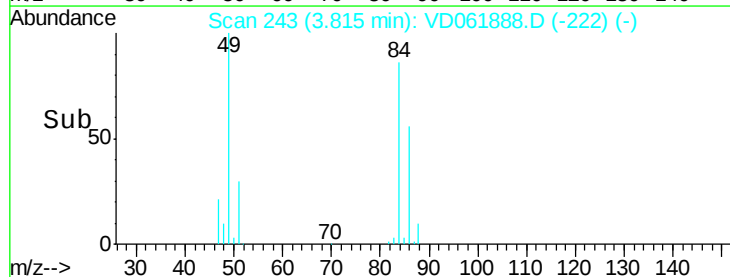
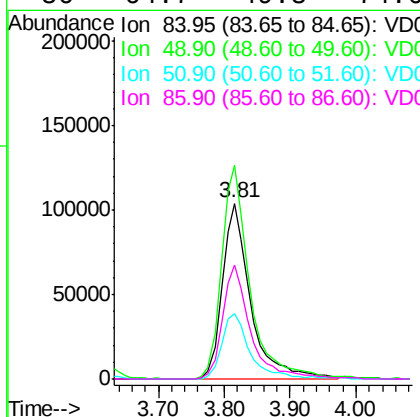
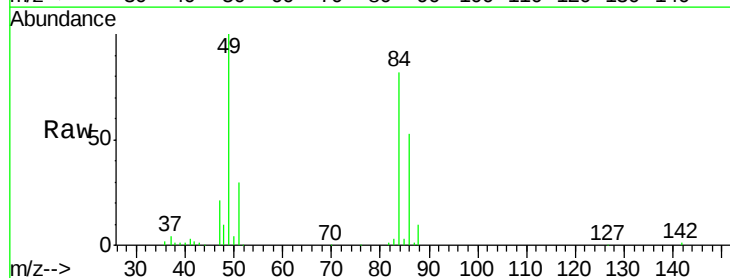
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

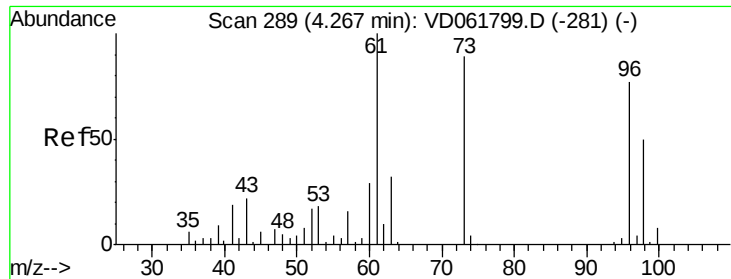
Tot Ion: 73 Resp: 454492
Ion Ratio Lower Upper
73 100
57 18.1 16.3 24.5



#20
Methylene Chloride
Concen: 62.330 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion: 84 Resp: 310514
Ion Ratio Lower Upper
84 100
49 121.4 94.0 141.0
51 37.0 29.0 43.4
86 64.7 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 52.911 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

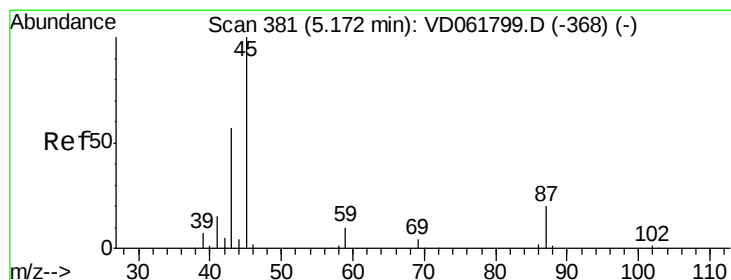
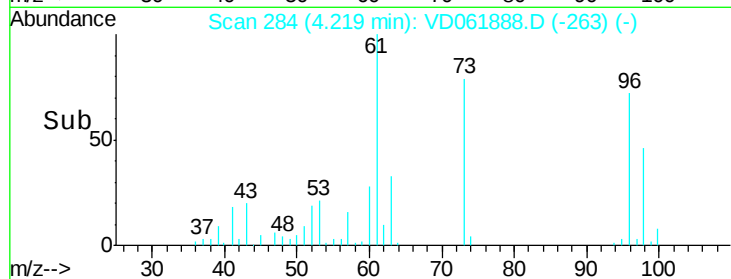
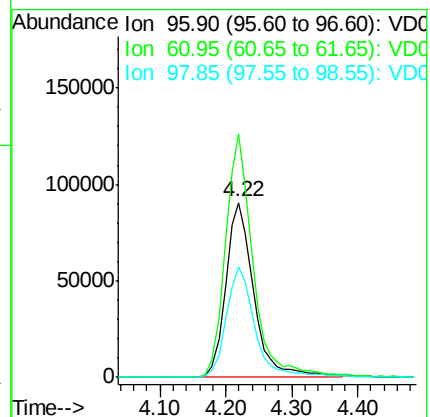
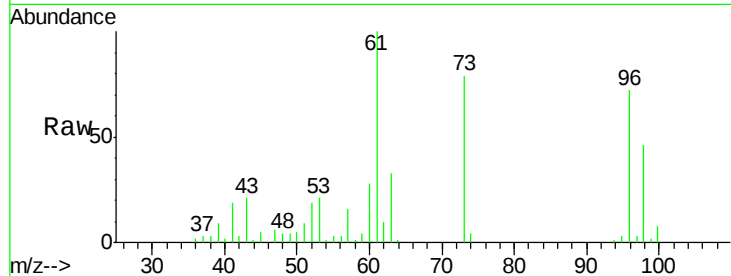
Tot Ion: 96 Resp: 269688

Ion Ratio Lower Upper

96 100

61 139.4 104.4 156.6

98 63.6 51.8 77.8



#22

Diisopropyl ether

Concen: 57.939 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Tgt Ion: 45 Resp: 782954

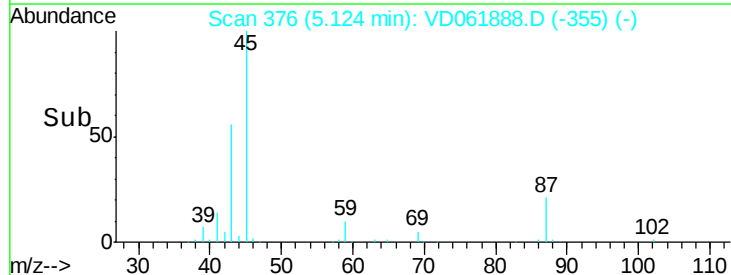
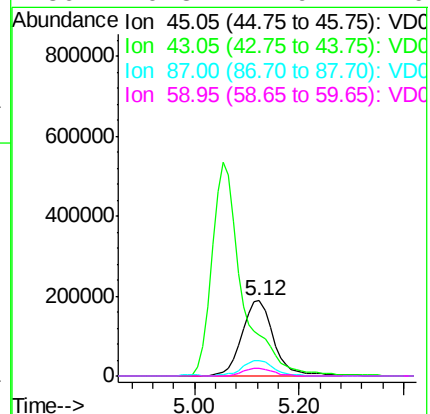
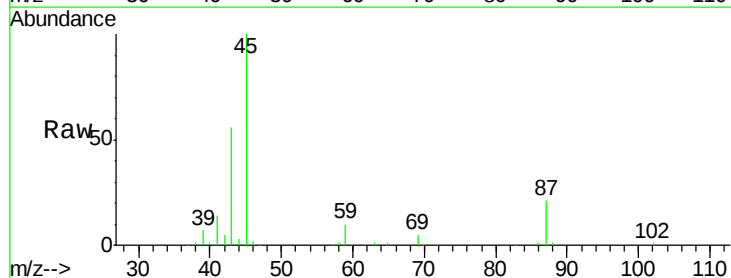
Ion Ratio Lower Upper

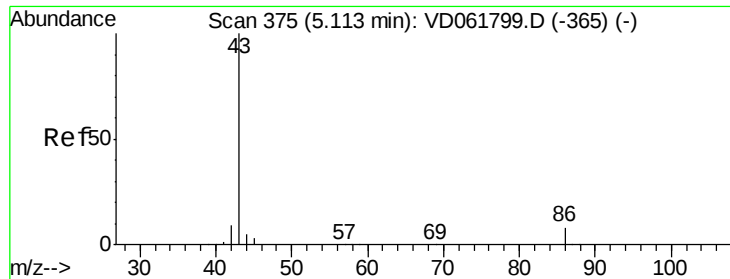
45 100

43 55.5 46.2 69.2

87 21.4 15.9 23.9

59 9.8 7.9 11.9





#23

Vinyl Acetate

Concen: 294.428 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

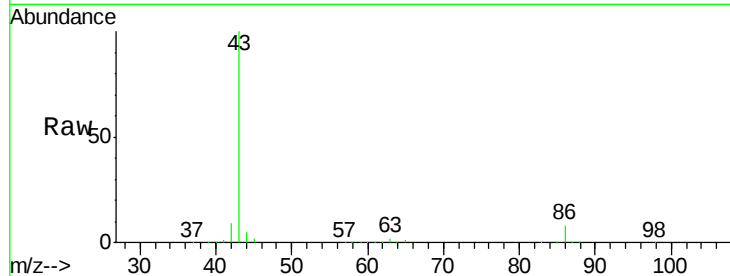
VSTDCCC050

Tot Ion: 43 Resp: 2126881

Ion Ratio Lower Upper

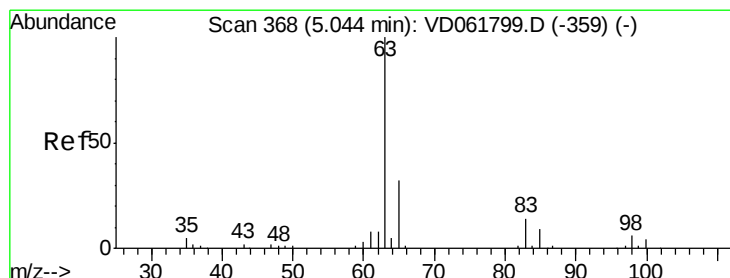
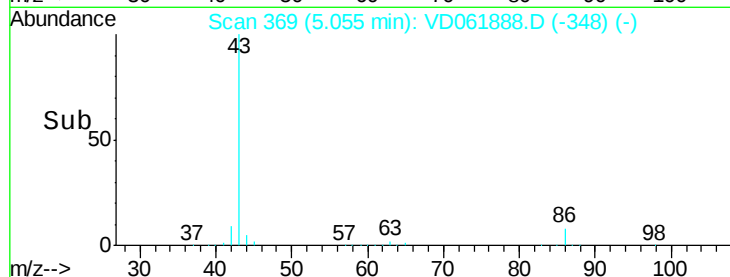
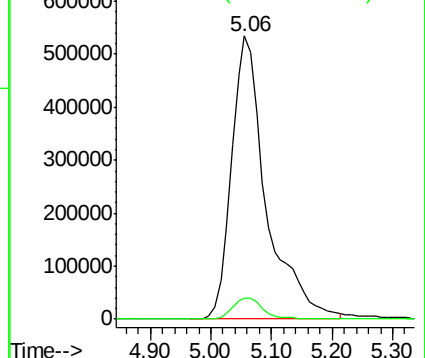
43 100

86 7.5 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: 56.065 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

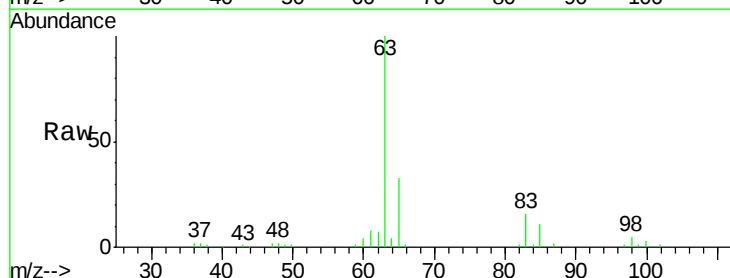
Tgt Ion: 63 Resp: 459351

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

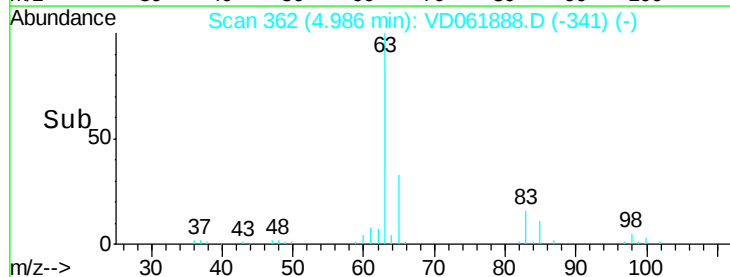
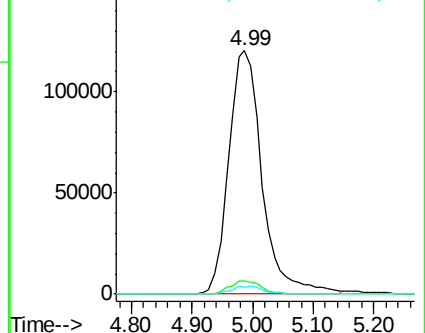
100 3.1 1.8 5.5

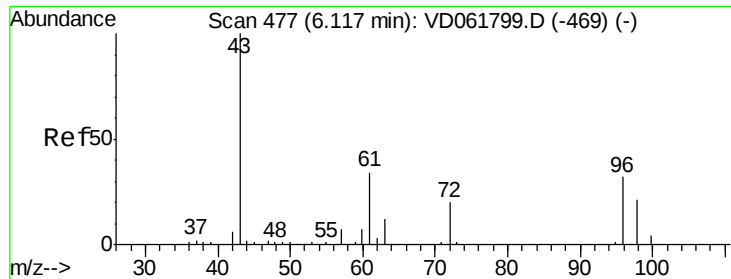


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 283.749 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

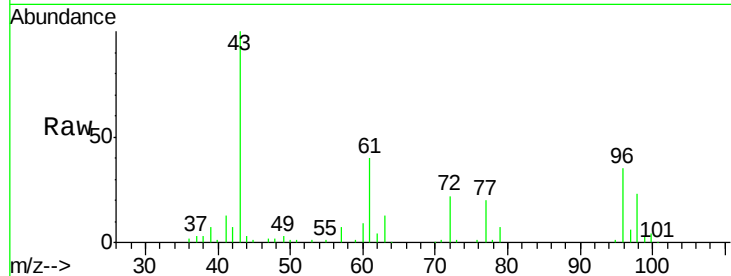
VSTDCCC050

Tot Ion: 43 Resp: 329747

Ion Ratio Lower Upper

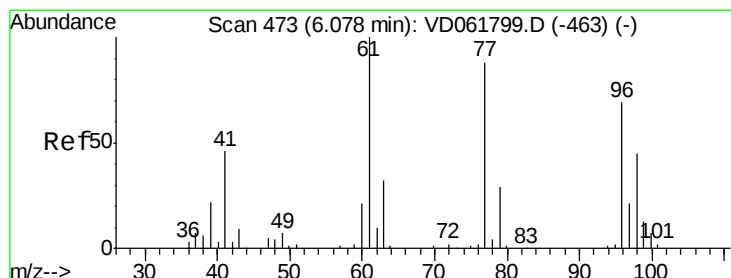
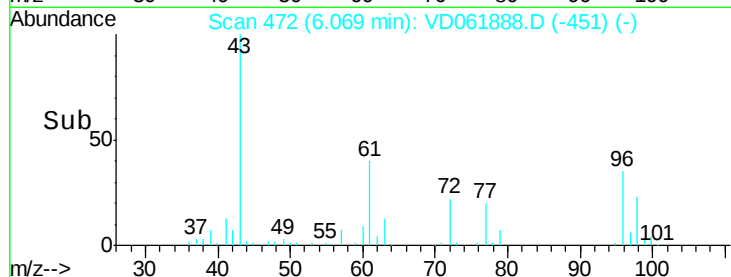
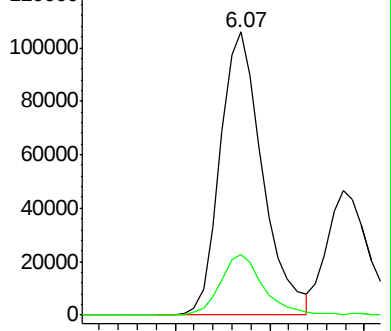
43 100

72 21.6 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.294 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061888.D

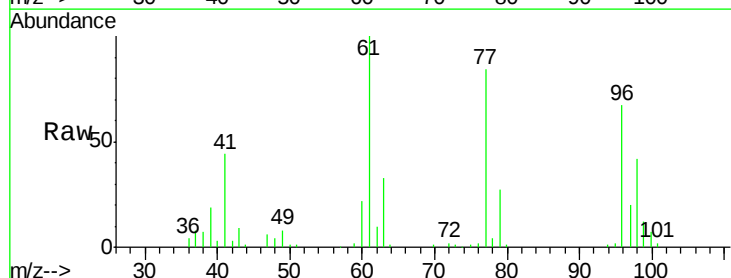
Acq: 18 Apr 2019 23:50

Tgt Ion: 77 Resp: 363246

Ion Ratio Lower Upper

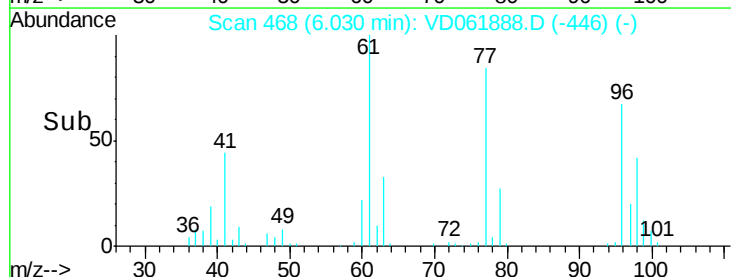
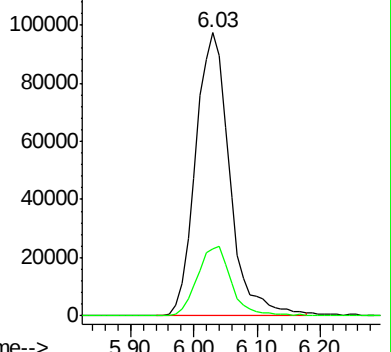
77 100

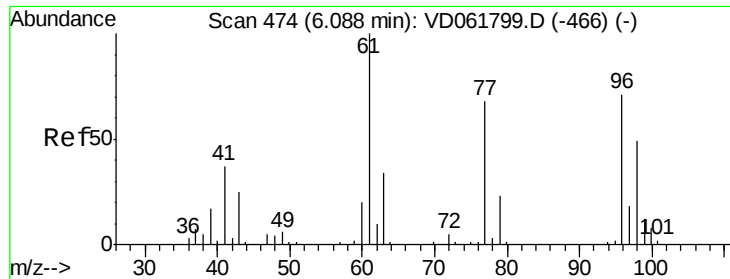
97 23.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



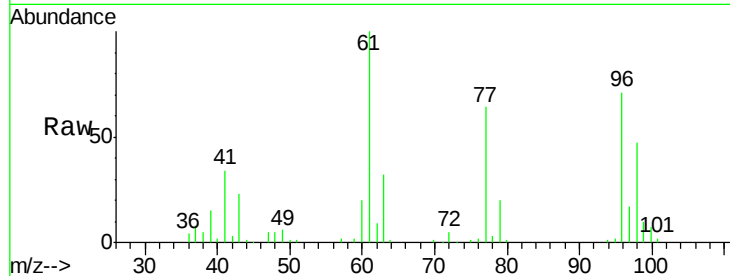


#27

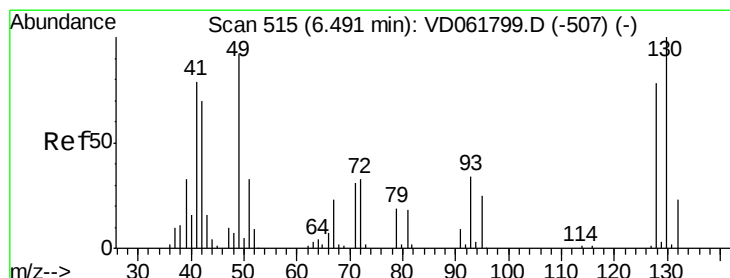
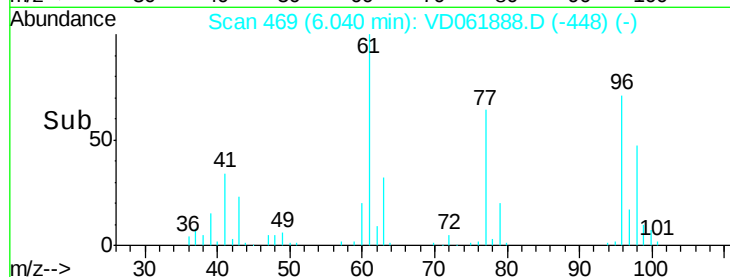
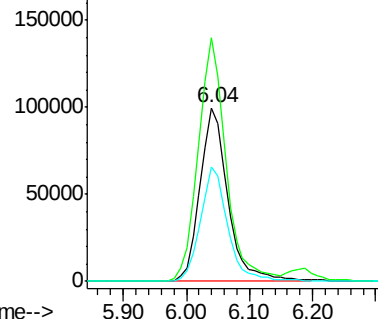
cis-1,2-Dichloroethene
 Concen: 55.227 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 305151
 Ion Ratio Lower Upper
 96 100
 61 140.3 0.0 279.8
 98 65.9 0.0 136.0



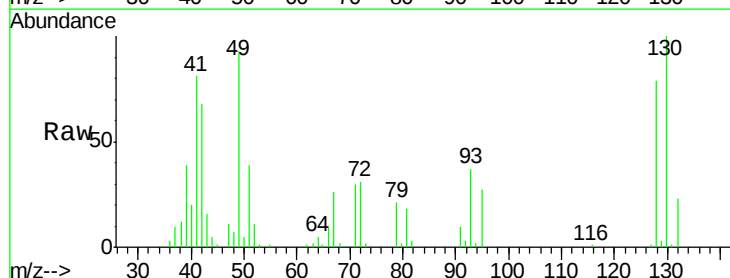
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



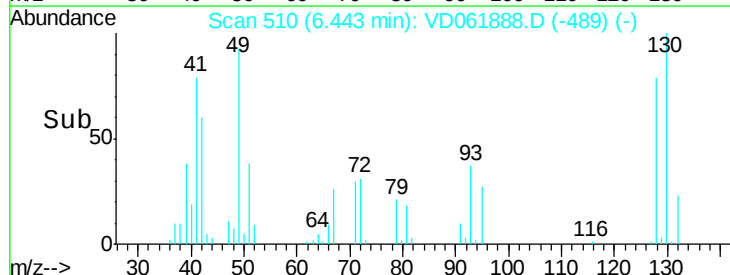
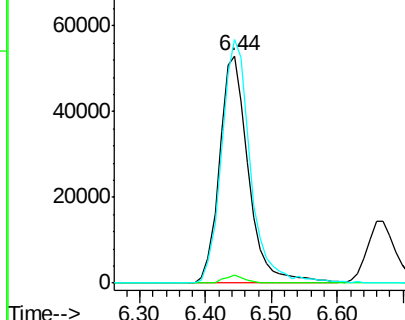
#28

Bromochloromethane
 Concen: 52.247 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Tgt Ion: 49 Resp: 162597
 Ion Ratio Lower Upper
 49 100
 129 3.5 0.0 6.6
 130 107.2 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

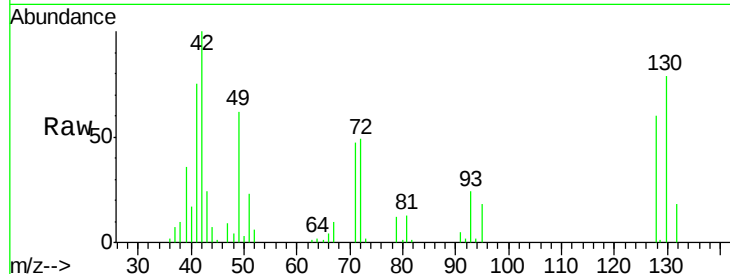




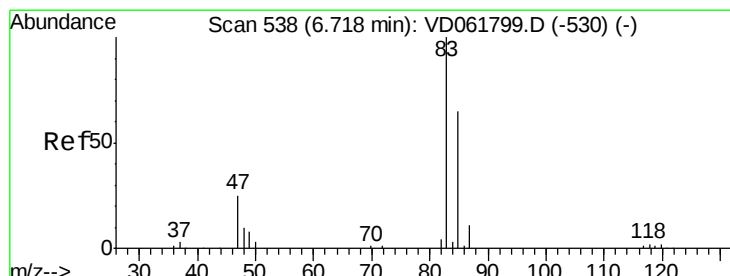
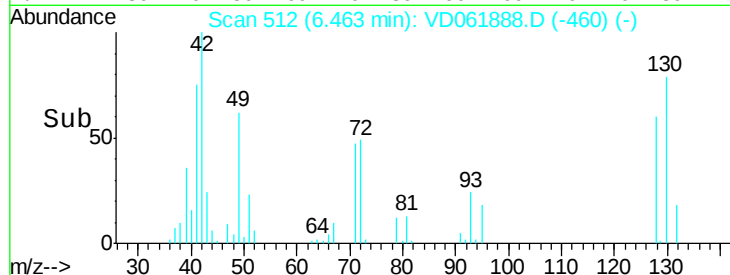
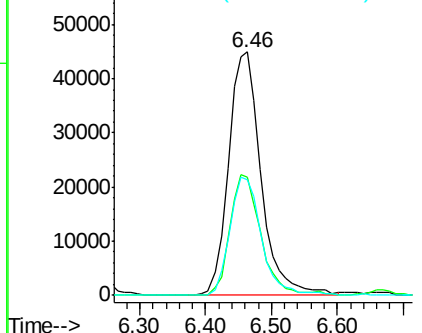
#29
Tetrahydrofuran
Concen: 274.947 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 155642
Ion Ratio Lower Upper
42 100
72 47.4 37.8 56.6
71 47.1 36.7 55.1

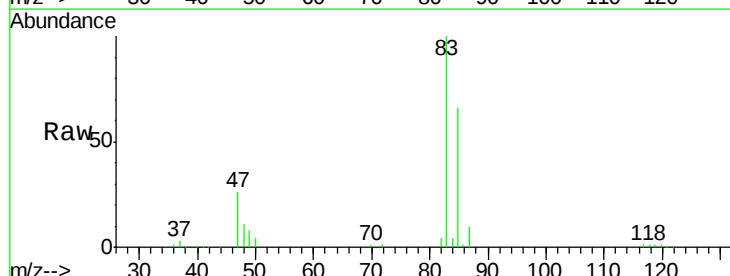


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

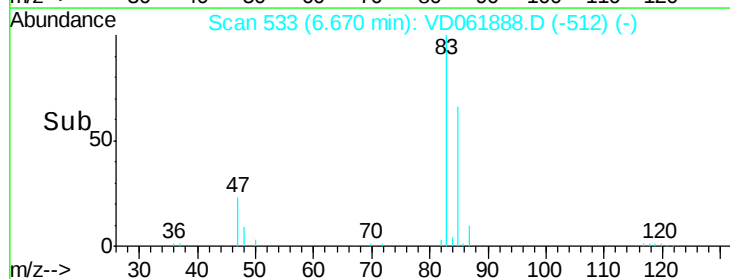
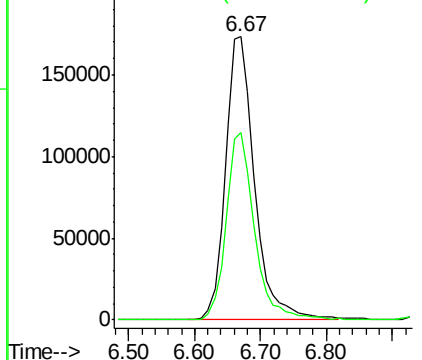


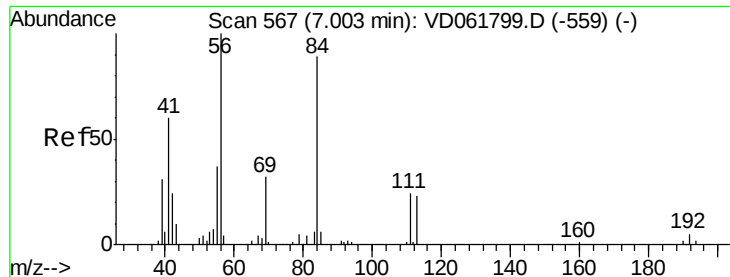
#30
Chloroform
Concen: 58.560 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion: 83 Resp: 535147
Ion Ratio Lower Upper
83 100
85 66.1 51.7 77.5



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

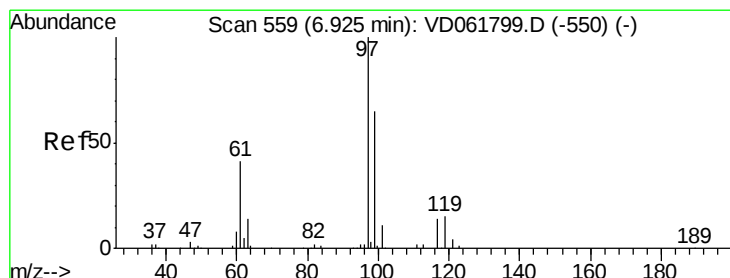
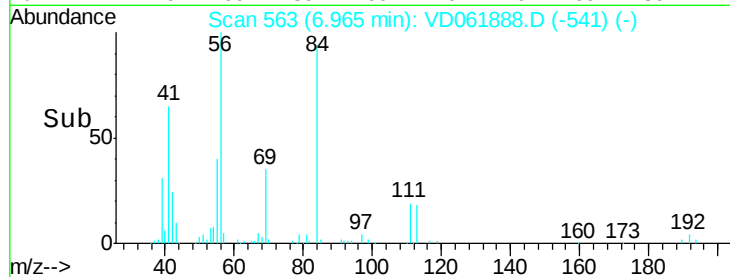
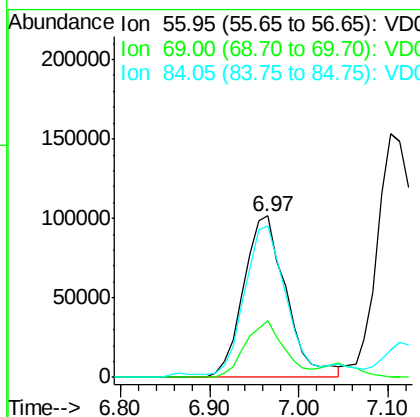
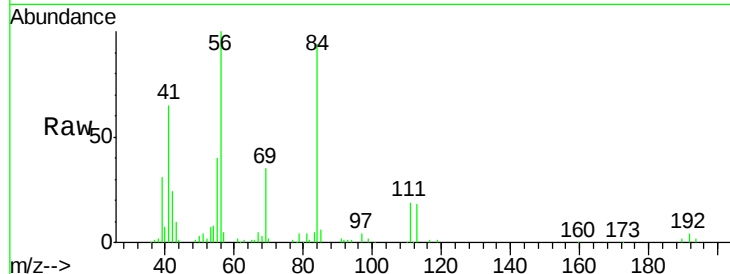




#31
Cyclohexane
Concen: 53.670 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

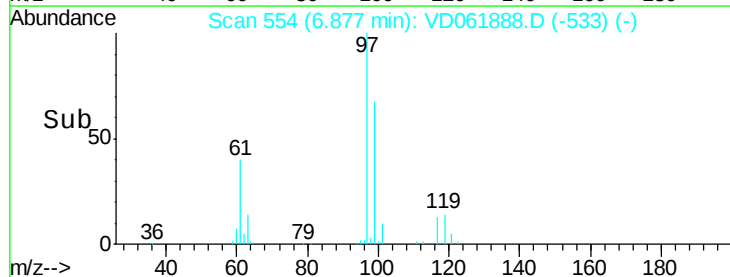
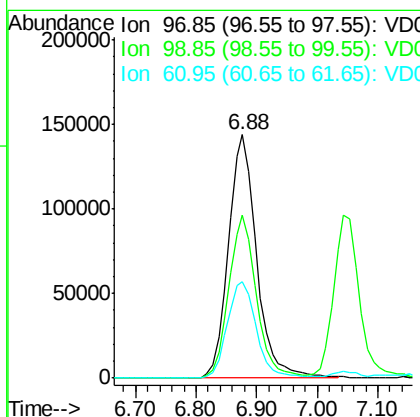
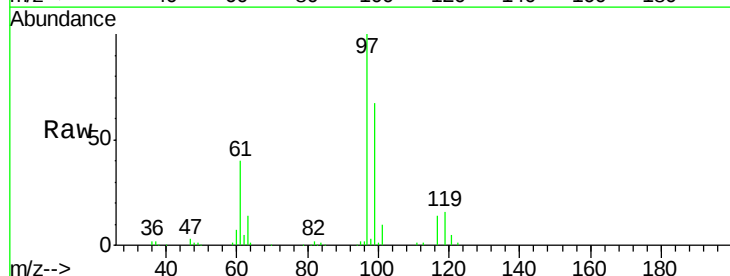
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

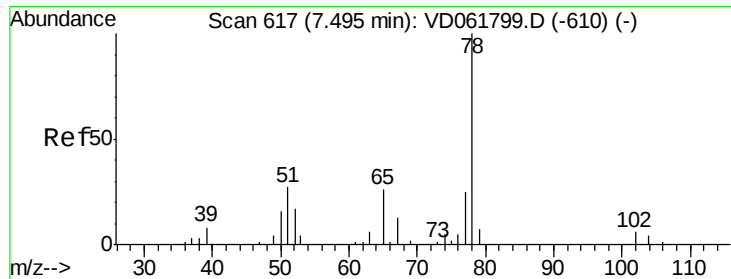
Tot Ion: 56 Resp: 336619
Ion Ratio Lower Upper
56 100
69 35.3 25.8 38.6
84 94.4 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 57.388 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion: 97 Resp: 464886
Ion Ratio Lower Upper
97 100
99 66.8 52.2 78.2
61 39.7 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 57.388 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

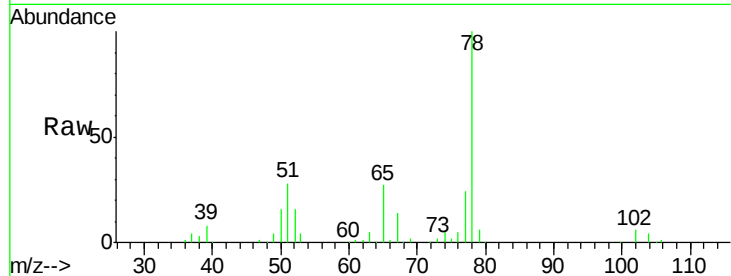
VSTDCCC050

Tot Ion: 65 Resp: 227677

Ion Ratio Lower Upper

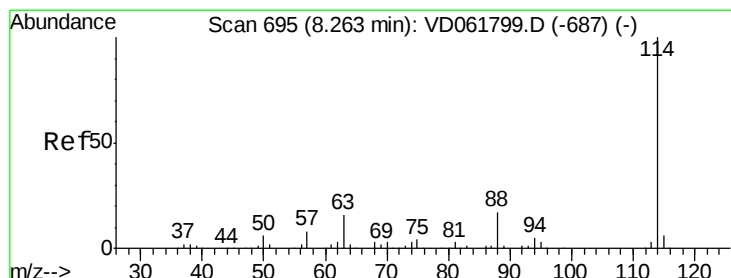
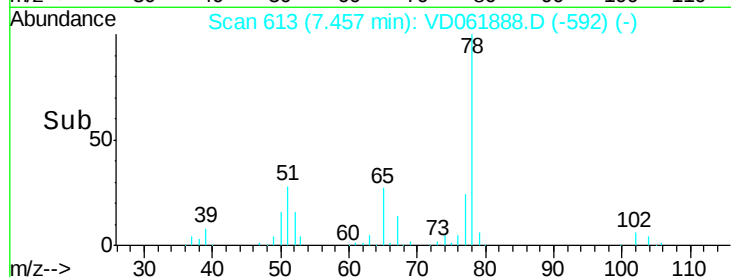
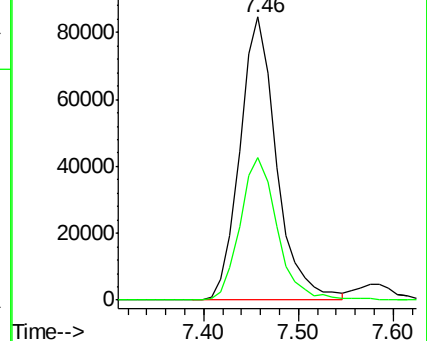
65 100

67 50.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

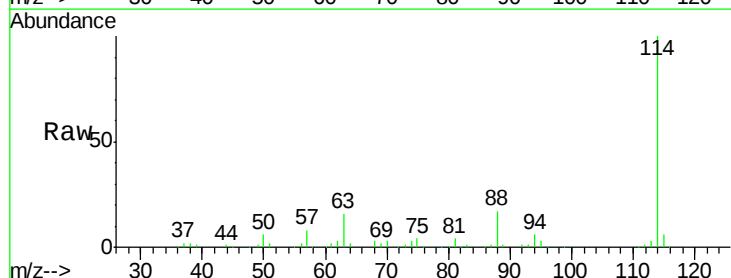
Tgt Ion: 114 Resp: 833041

Ion Ratio Lower Upper

114 100

63 16.0 0.0 32.4

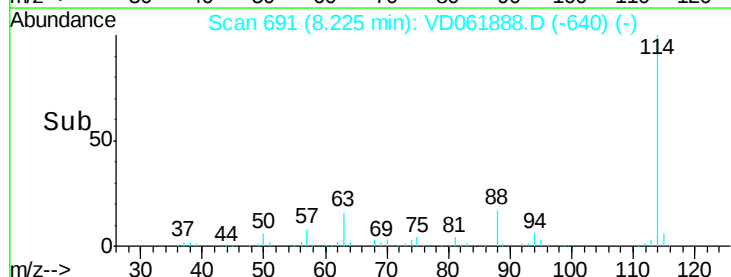
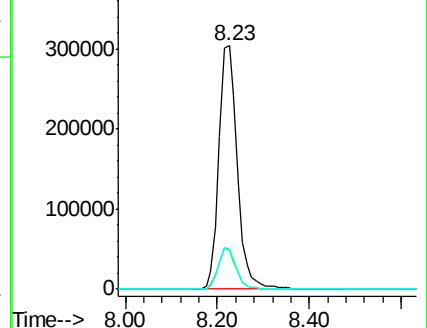
88 16.5 0.0 33.6

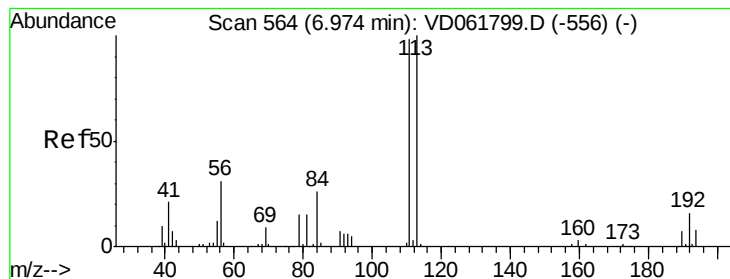


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

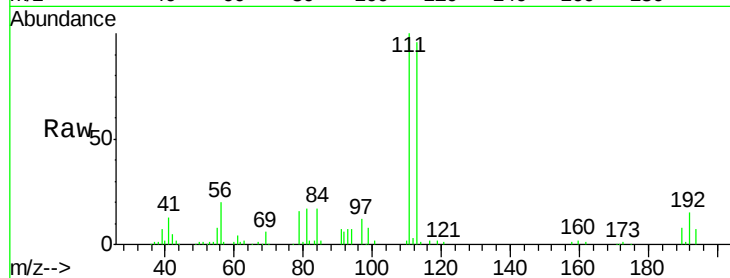
Tot Ion:113 Resp: 341655

Ion Ratio Lower Upper

113 100

111 104.5 78.5 117.7

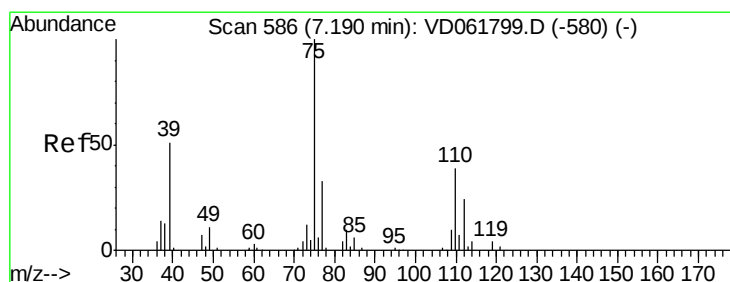
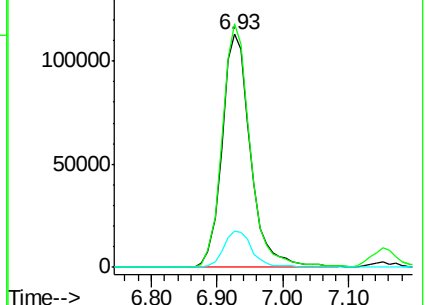
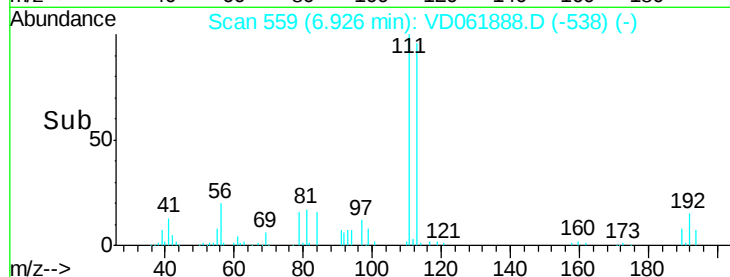
192 15.6 13.0 19.4



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: 54.848 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

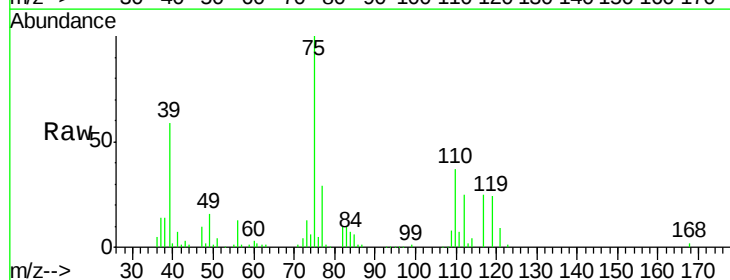
Tgt Ion: 75 Resp: 373365

Ion Ratio Lower Upper

75 100

110 36.6 19.1 57.1

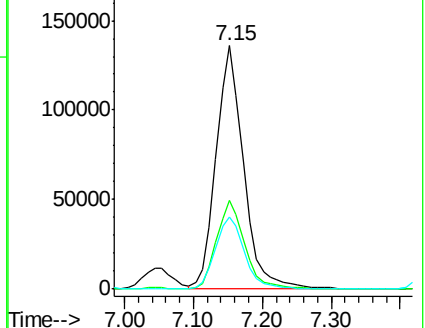
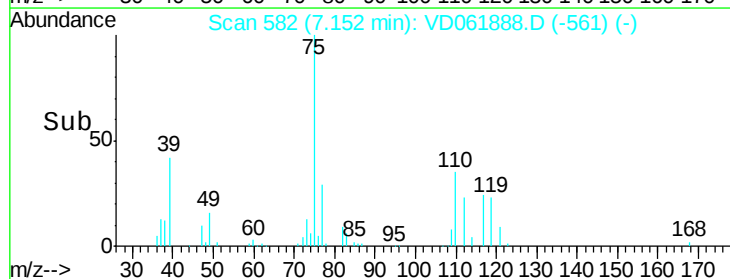
77 29.4 25.6 38.4

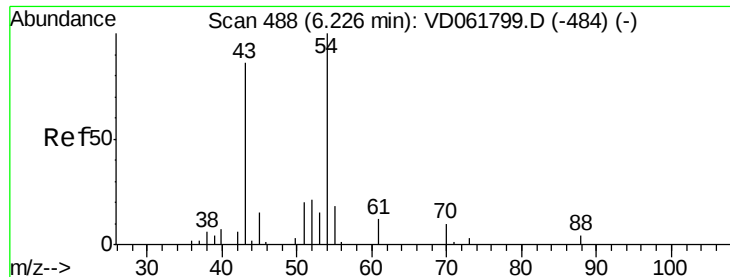


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

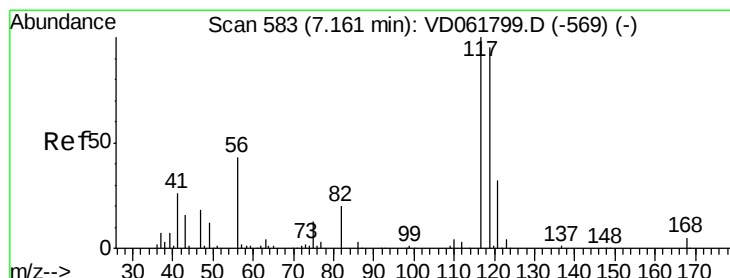
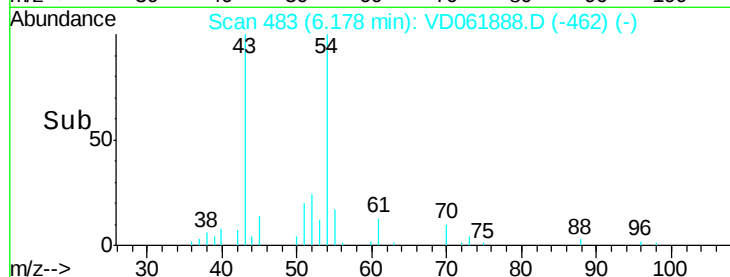
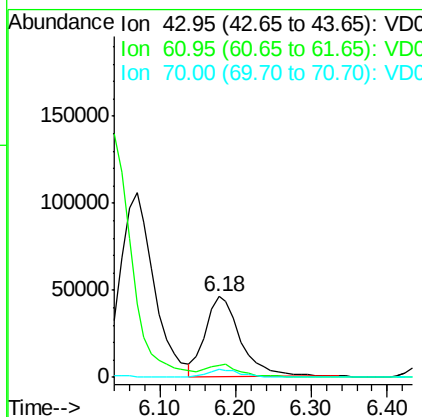
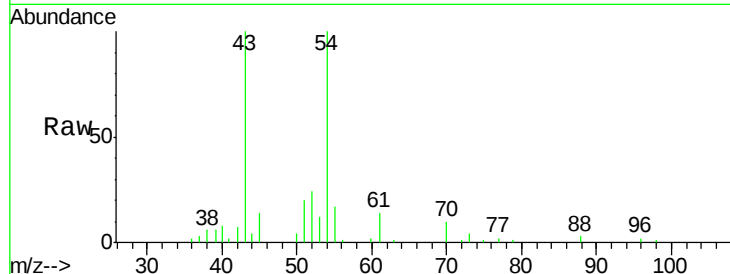




#37
Ethyl Acetate
Concen: 50.790 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

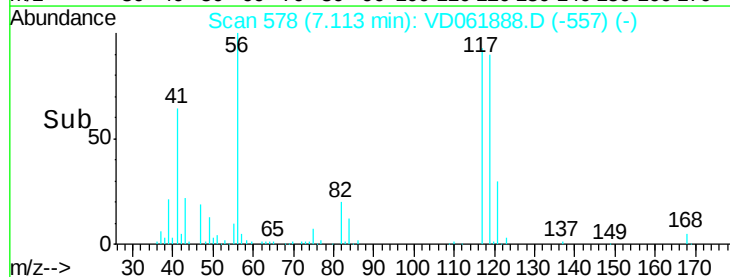
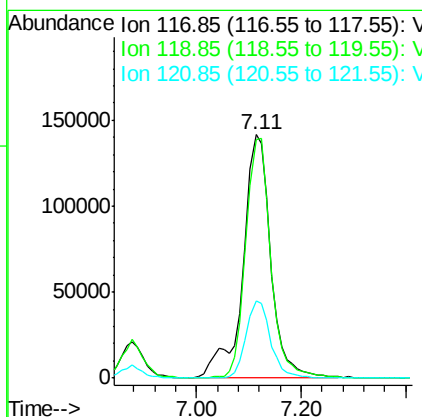
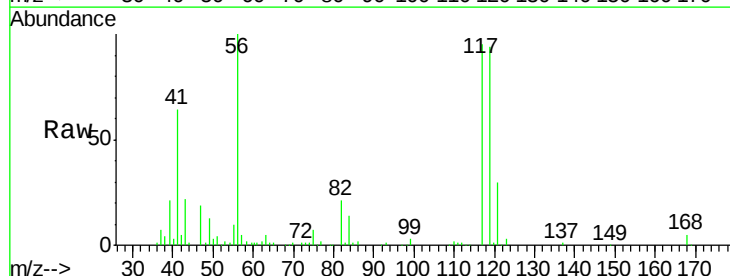
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

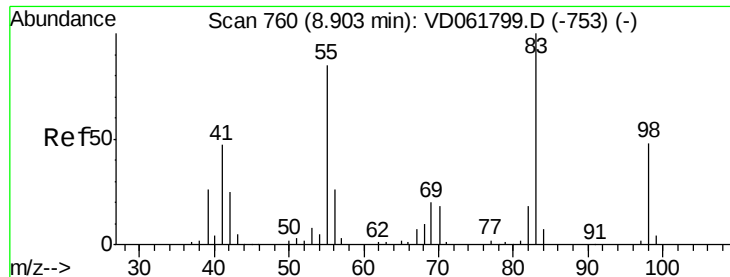
Tot Ion: 43 Resp: 147975
Ion Ratio Lower Upper
43 100
61 14.2 14.7 22.1#
70 9.7 7.8 11.6



#38
Carbon Tetrachloride
Concen: 58.617 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion: 117 Resp: 503855
Ion Ratio Lower Upper
117 100
119 98.2 75.8 113.8
121 31.9 25.9 38.9

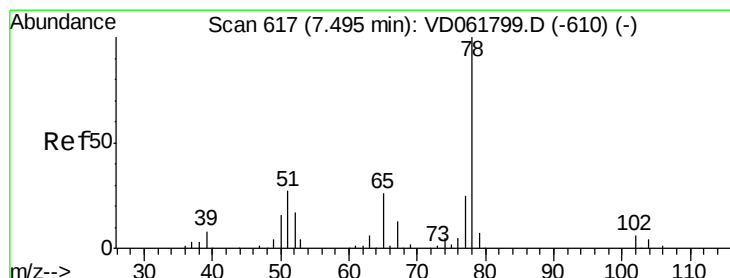
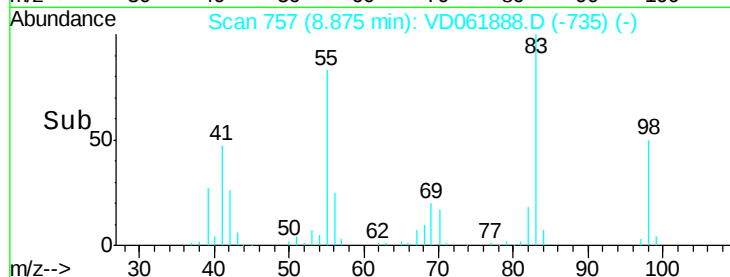
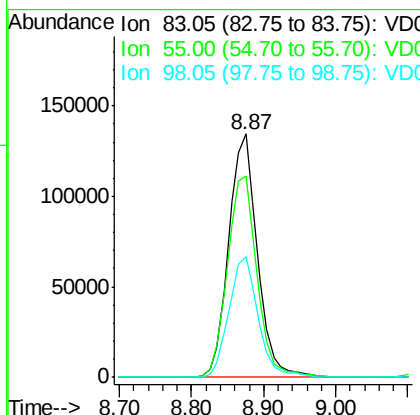
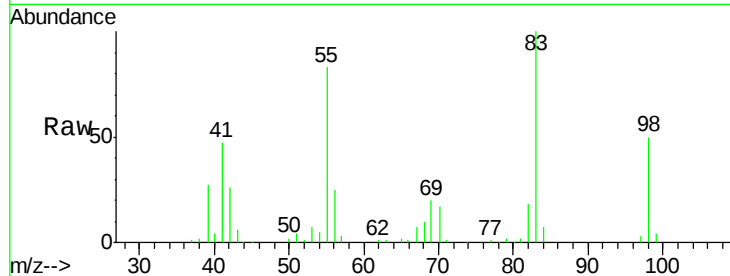




#39
Methvlcvclohexane
Concen: 52.867 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

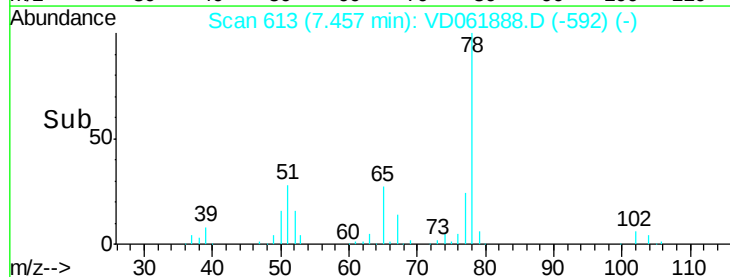
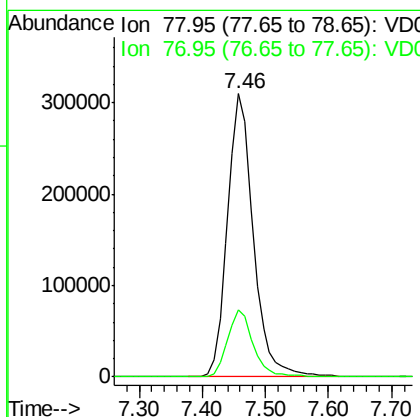
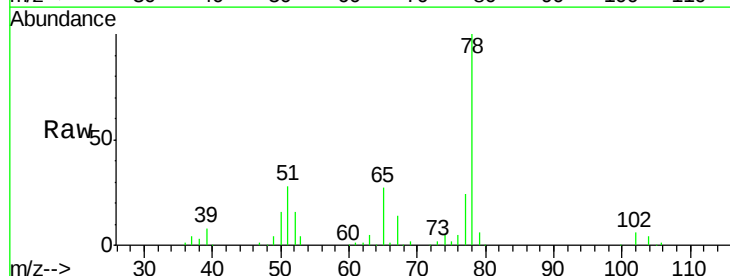
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

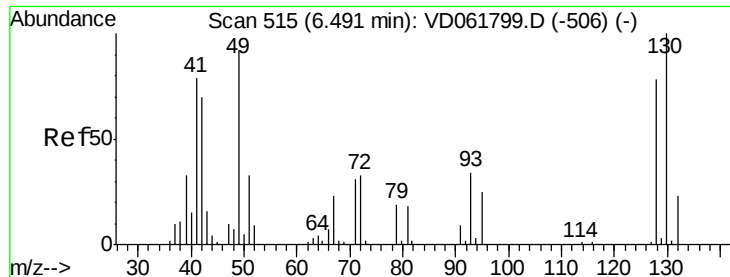
Tot Ion: 83 Resp: 373712
Ion Ratio Lower Upper
83 100
55 82.5 68.2 102.4
98 49.6 38.2 57.4



#40
Benzene
Concen: 53.687 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion: 78 Resp: 877404
Ion Ratio Lower Upper
78 100
77 23.9 19.7 29.5

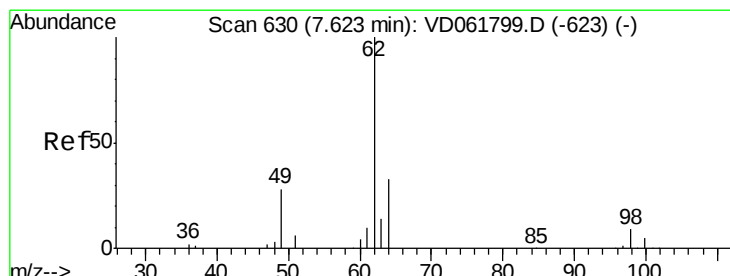
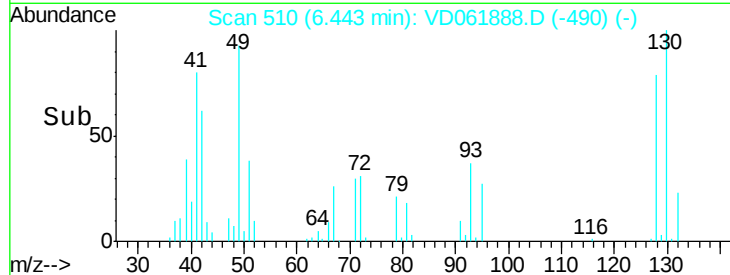
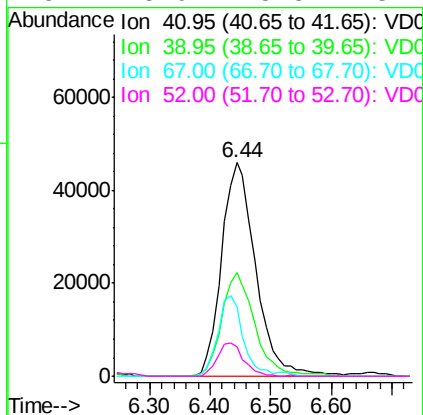
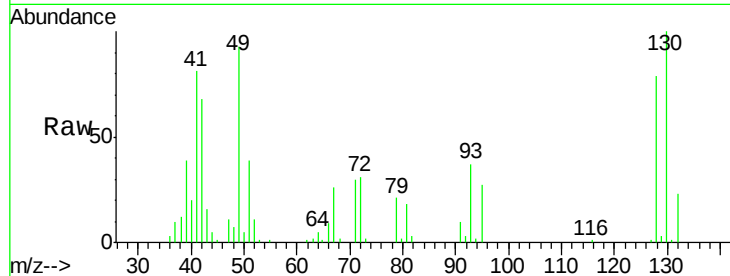




#41
Methacrylonitrile
Concen: 52.019 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

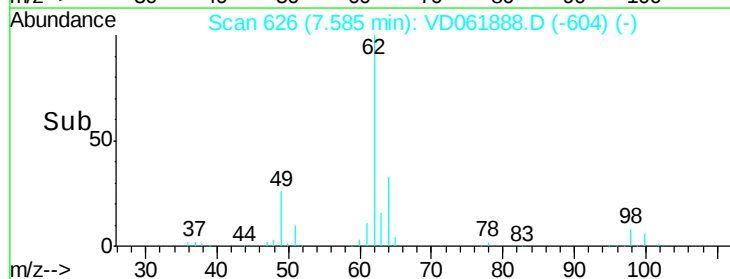
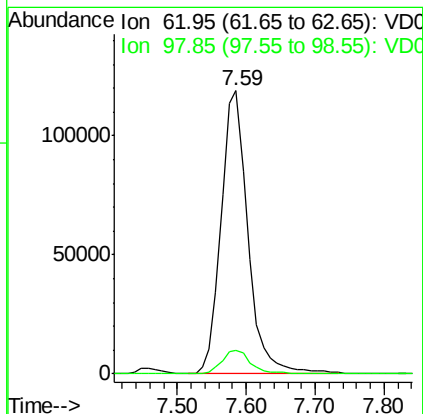
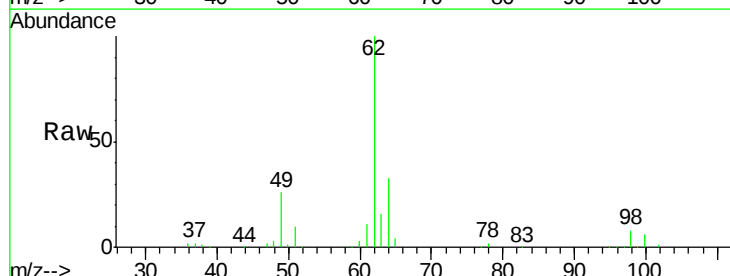
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

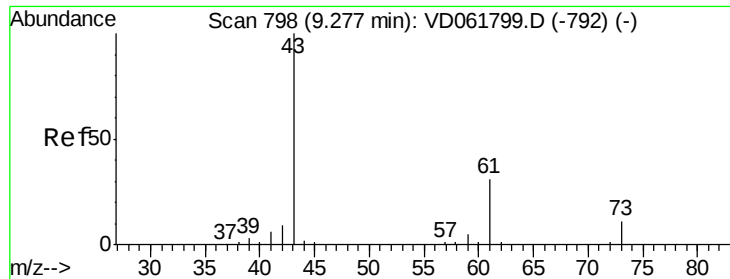
Tot Ion: 41 Resp: 179131
Ion Ratio Lower Upper
41 100
39 48.7 34.1 51.1
67 32.4 23.8 35.6
52 13.9 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 56.658 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion: 62 Resp: 322483
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.8





#43

Isopropyl Acetate

Concen: 56.257 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

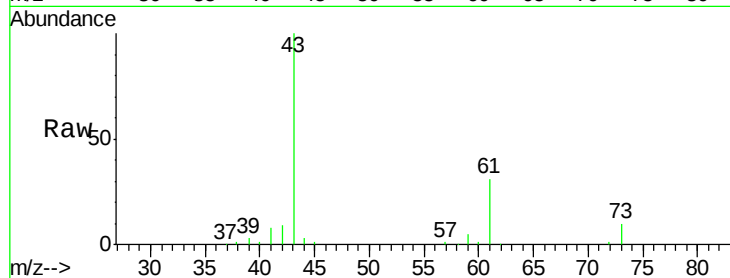
Tot Ion: 43 Resp: 230650

Ion Ratio Lower Upper

43 100

61 31.1 25.1 37.7

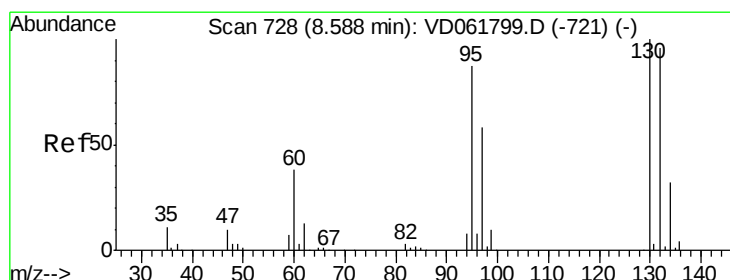
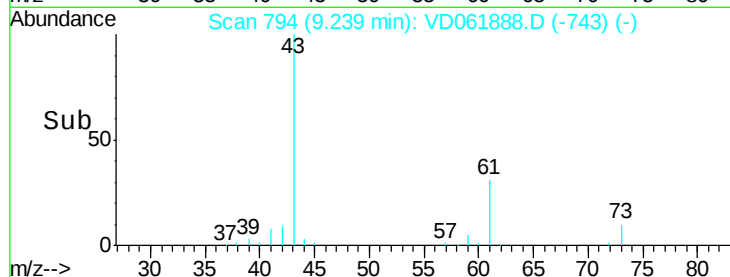
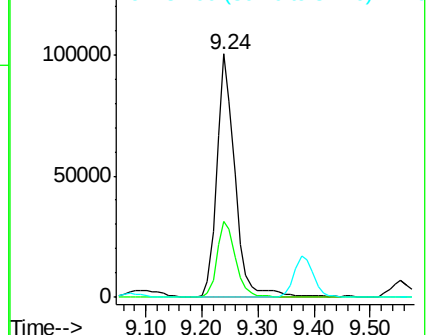
87 0.0 0.0 0.0



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: 52.251 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD061888.D

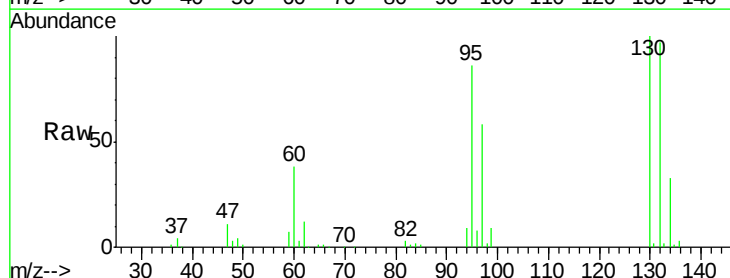
Acq: 18 Apr 2019 23:50

Tgt Ion:130 Resp: 328730

Ion Ratio Lower Upper

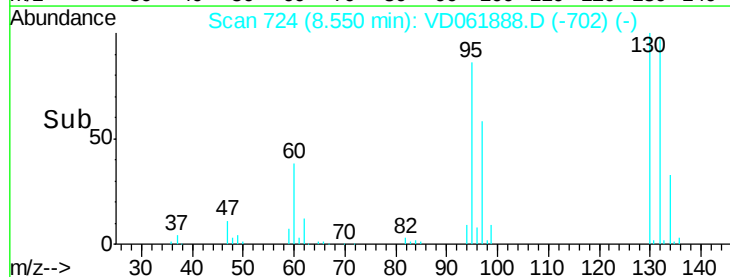
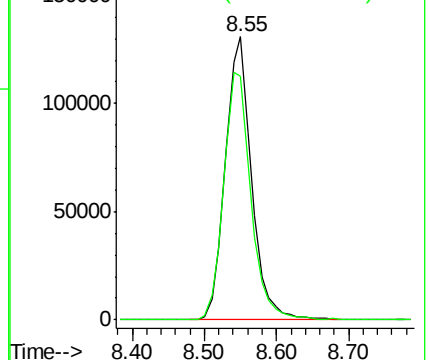
130 100

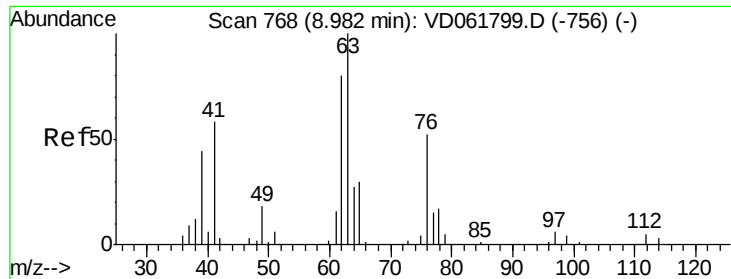
95 86.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.413 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

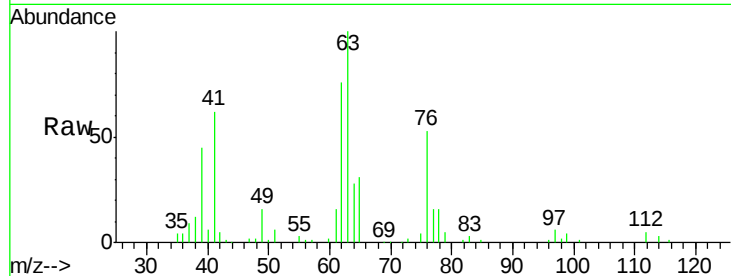
VSTDCCC050

Tot Ion: 63 Resp: 227373

Ion Ratio Lower Upper

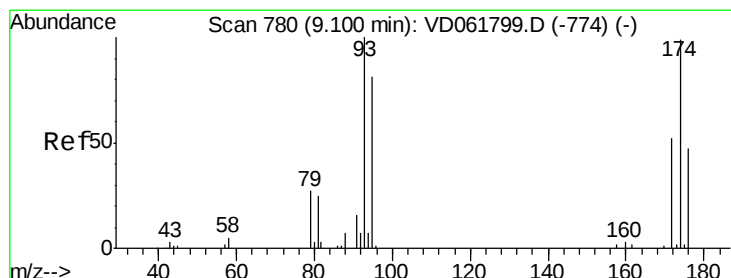
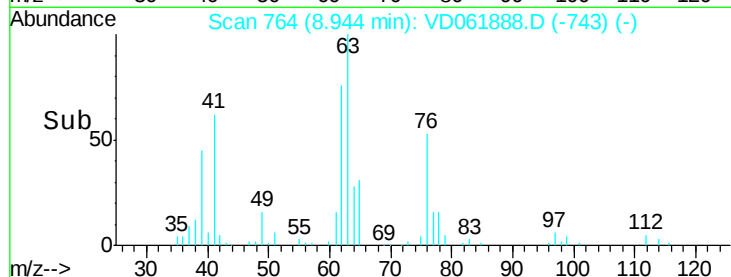
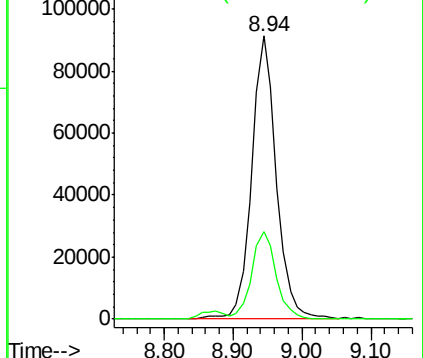
63 100

65 30.9 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.387 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

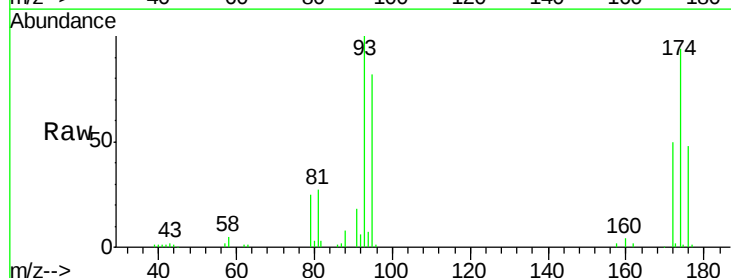
Tgt Ion: 93 Resp: 168002

Ion Ratio Lower Upper

93 100

95 82.0 64.8 97.2

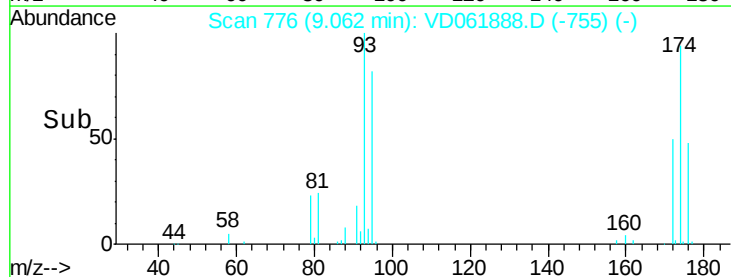
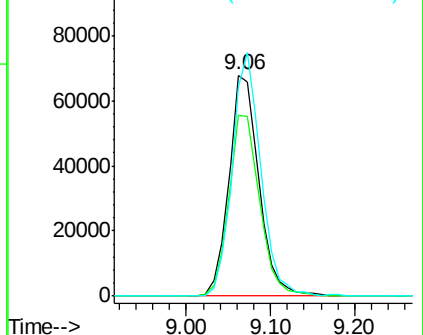
174 94.5 79.3 118.9

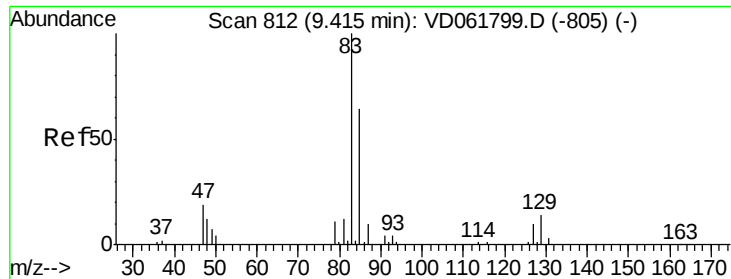


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 55.843 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

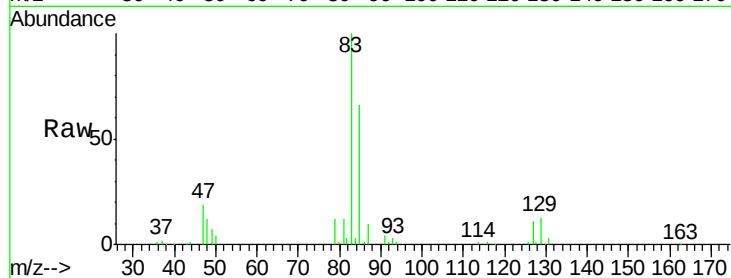
Tot Ion: 83 Resp: 390772

Ion Ratio Lower Upper

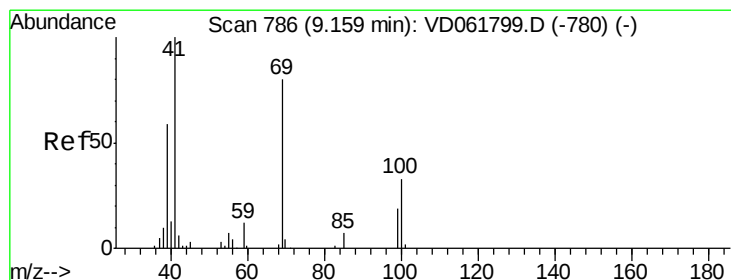
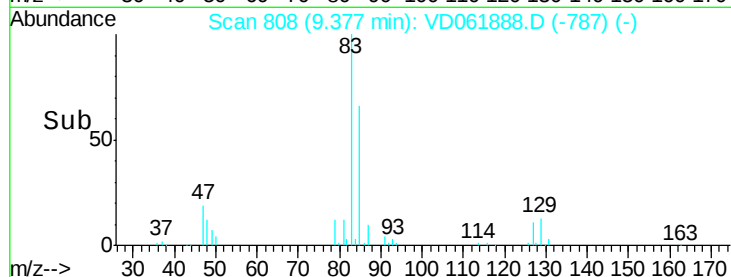
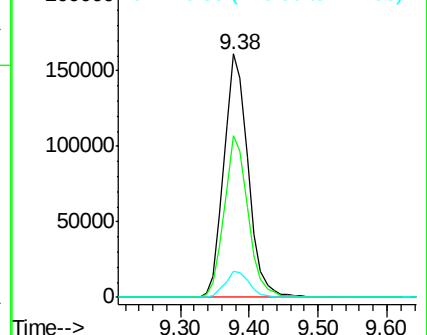
83 100

85 66.5 50.9 76.3

127 10.9 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 55.266 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

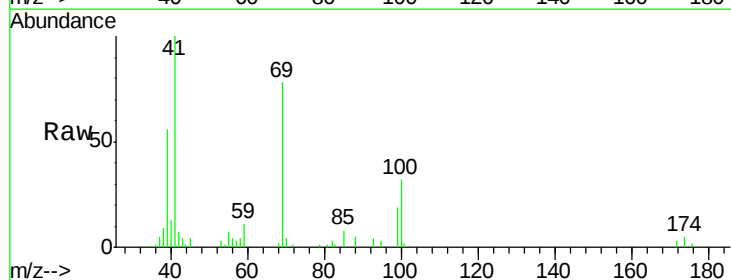
Tgt Ion: 41 Resp: 133191

Ion Ratio Lower Upper

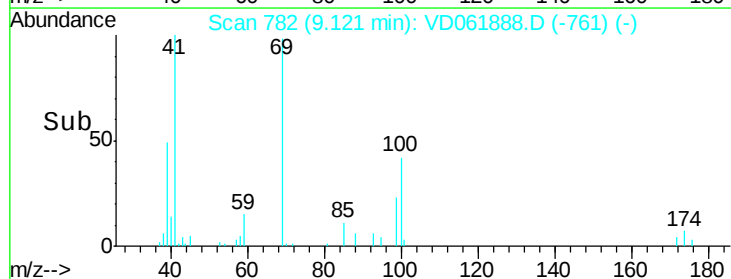
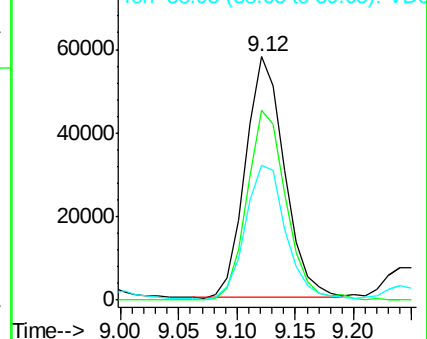
41 100

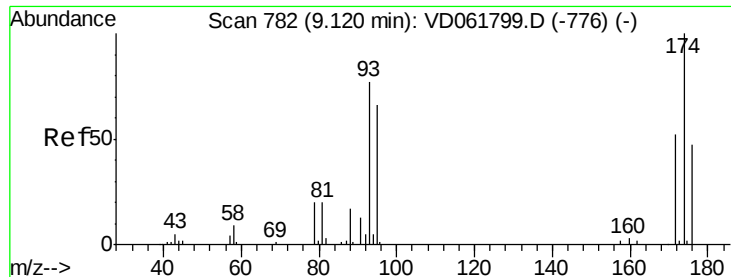
69 77.8 64.2 96.2

39 55.5 46.8 70.2



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





#49

1,4-Dioxane

Concen: 1189.452 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.01 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

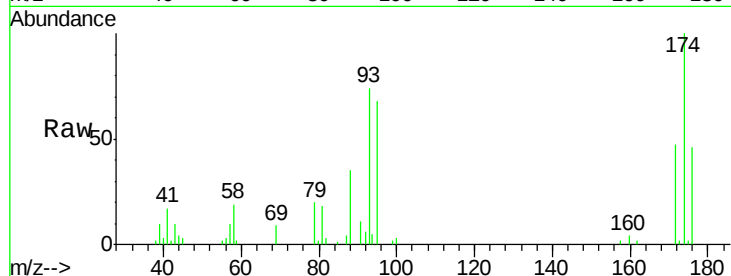
Tot Ion: 88 Resp: 31332

Ion Ratio Lower Upper

88 100

43 29.1 23.4 35.0

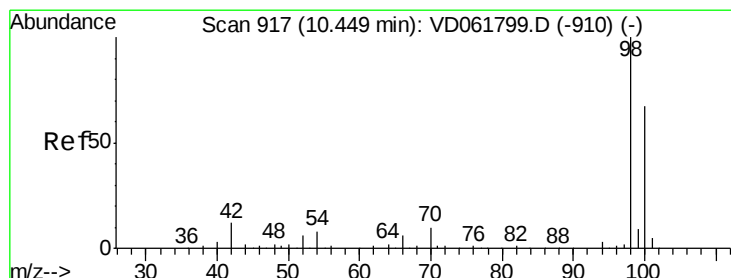
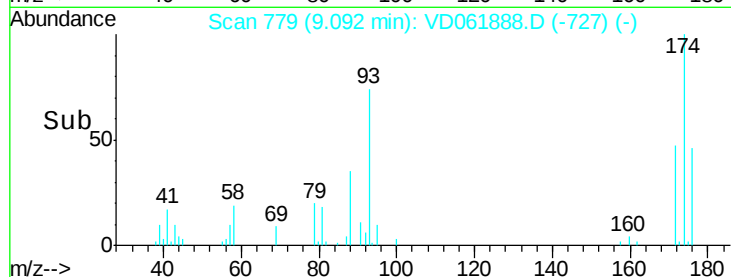
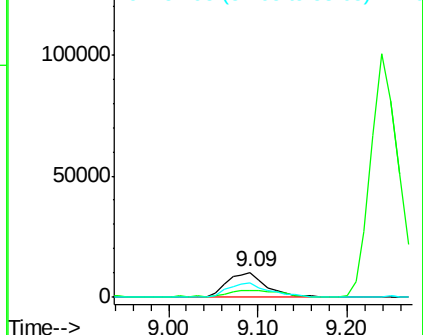
58 54.9 44.0 66.0



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: 1189.452 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD061888.D

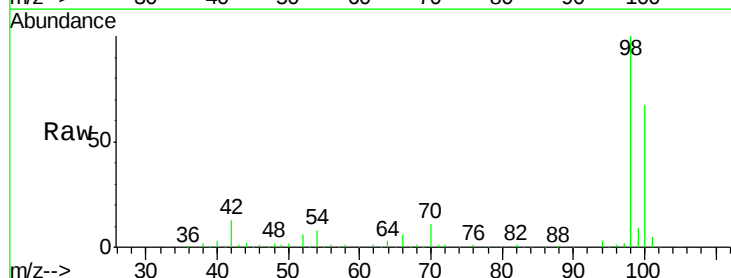
Acq: 18 Apr 2019 23:50

Tgt Ion: 98 Resp: 783539

Ion Ratio Lower Upper

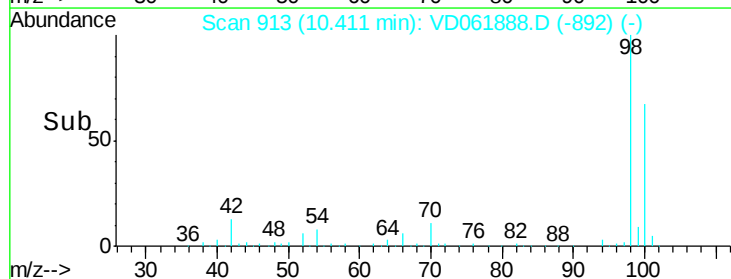
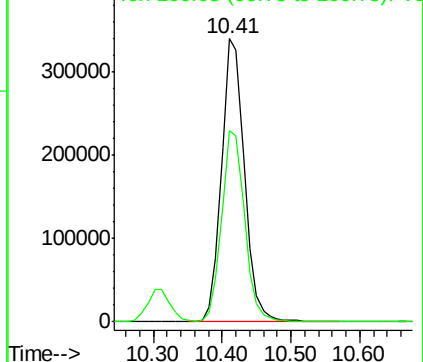
98 100

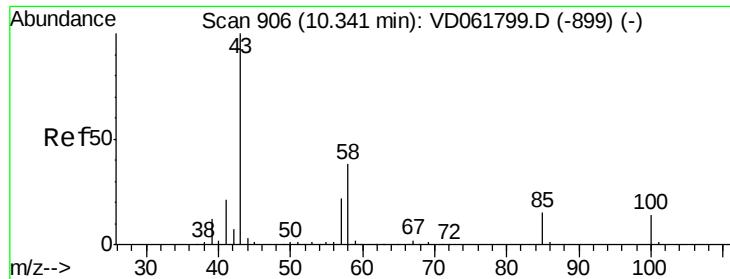
100 67.4 53.8 80.8



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: 288.297 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

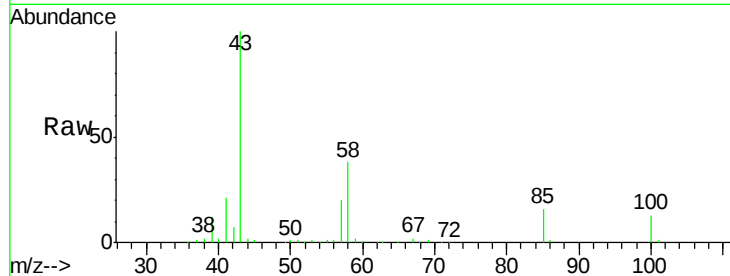
VSTDCCC050

Tot Ion: 43 Resp: 722836

Ion Ratio Lower Upper

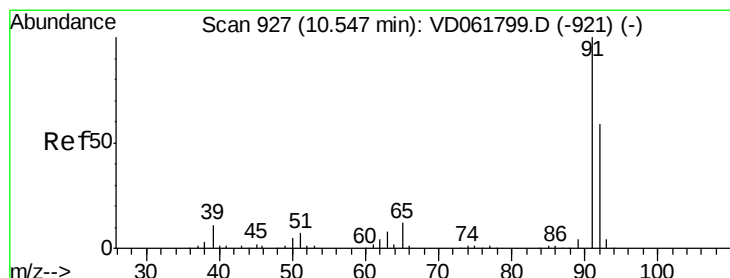
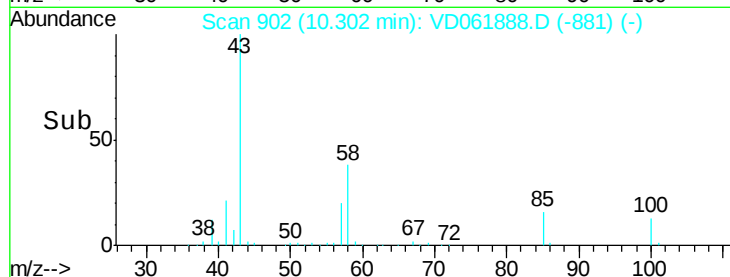
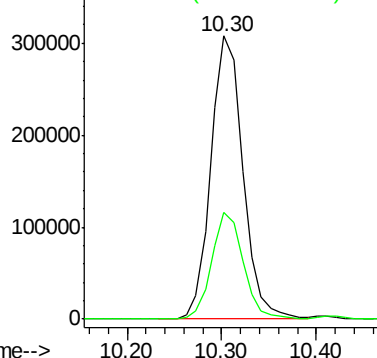
43 100

58 37.9 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: 49.455 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD061888.D

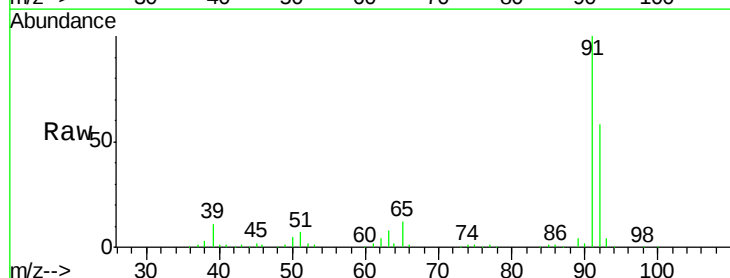
Acq: 18 Apr 2019 23:50

Tgt Ion: 92 Resp: 517935

Ion Ratio Lower Upper

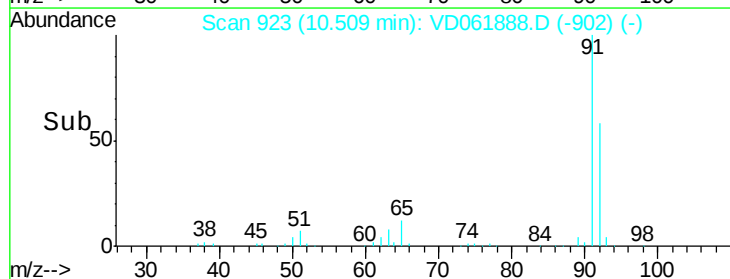
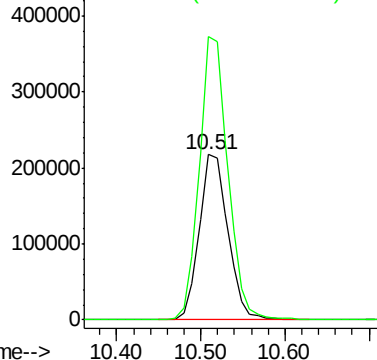
92 100

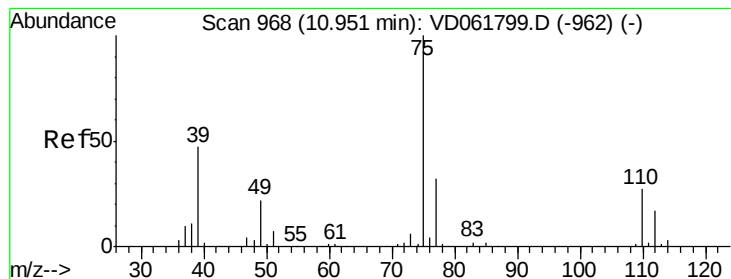
91 171.1 136.6 204.8



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: 52.671 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.01 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

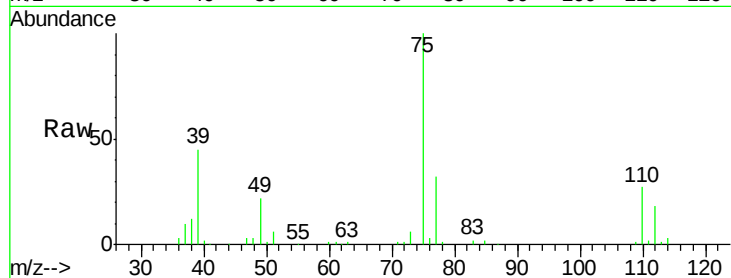
VSTDCCC050

Tot Ion: 75 Resp: 332113

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

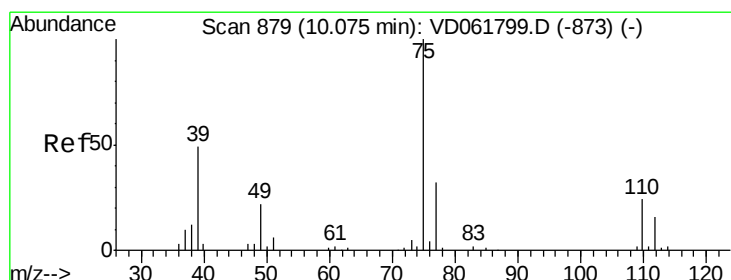
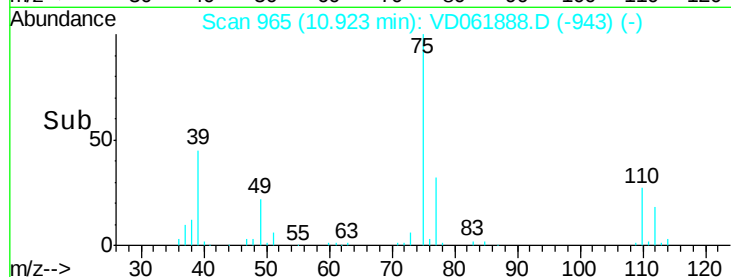
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 54.212 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

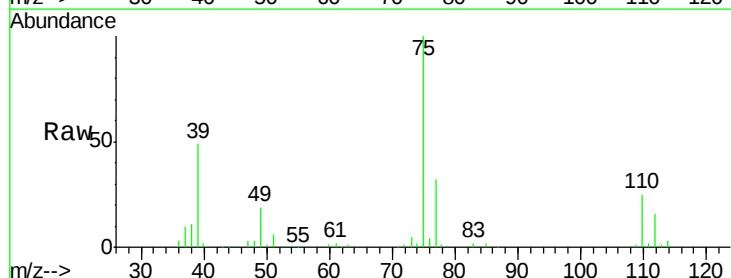
Tgt Ion: 75 Resp: 401248

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

39 48.8 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

250000

200000

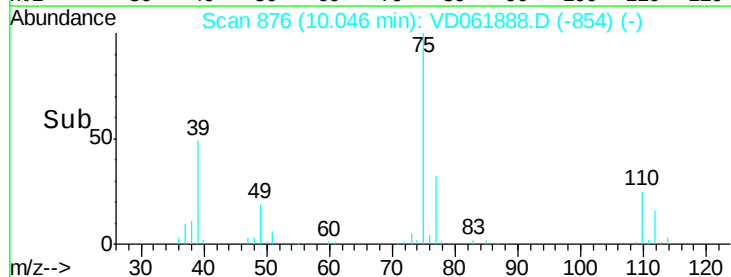
150000

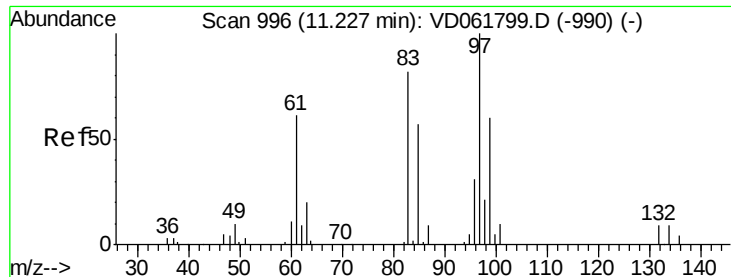
100000

50000

0

Time--> 10.00 10.10 10.20

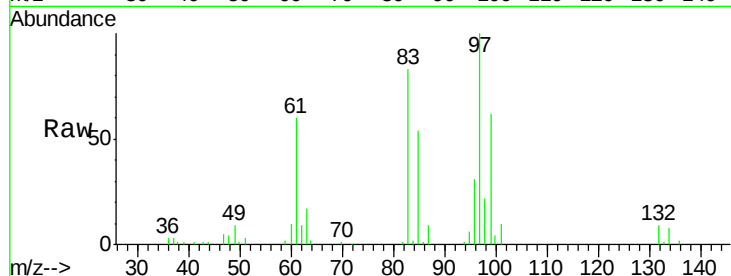




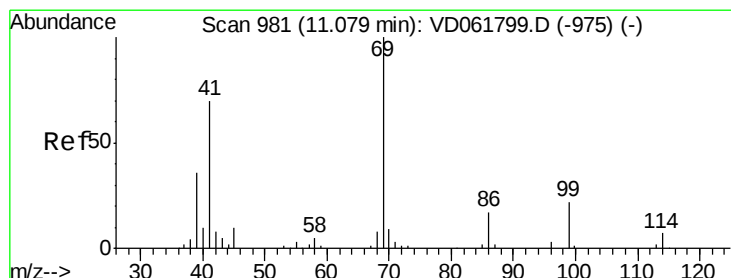
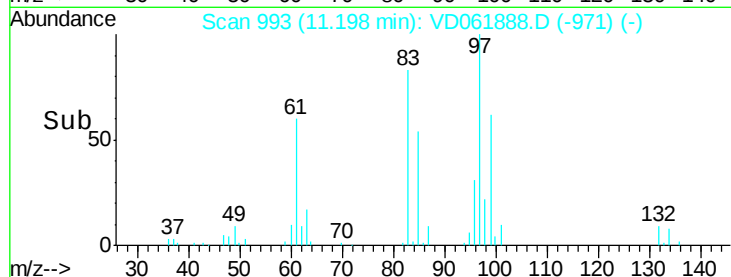
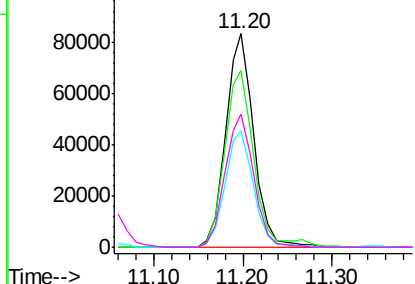
#55
 1,1,2-Trichloroethane
 Concen: 52.007 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	183531
Ion	Ratio	Lower	Upper
97	100		
83	82.8	65.7	98.5
85	54.5	45.6	68.4
99	62.1	48.4	72.6

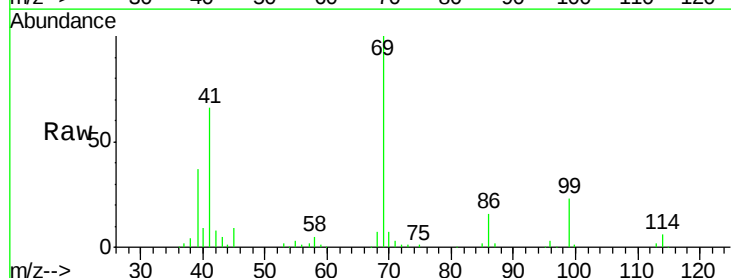


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

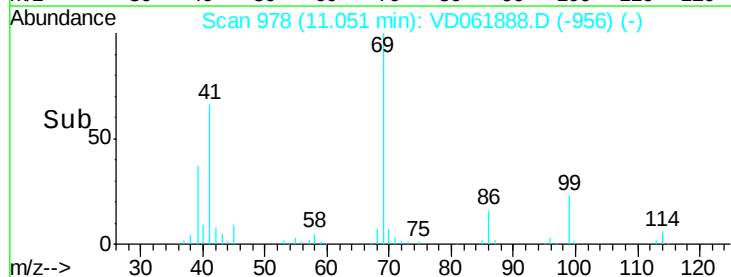
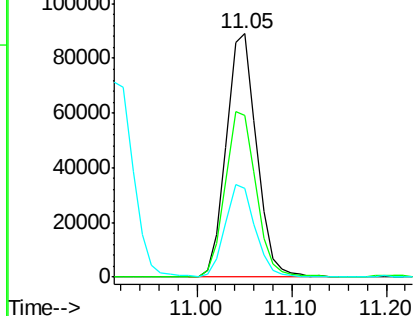


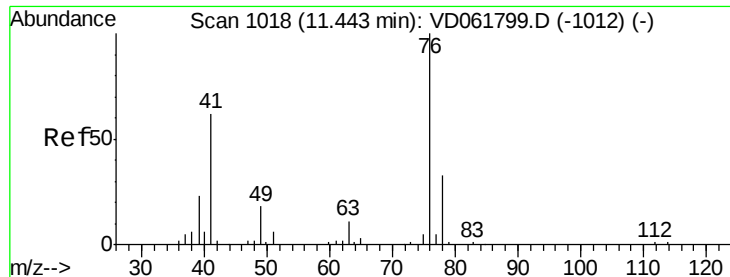
#56
 Ethyl methacrylate
 Concen: 51.025 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Tgt Ion:	69	Resp:	197631
Ion	Ratio	Lower	Upper
69	100		
41	66.3	56.3	84.5
39	36.7	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

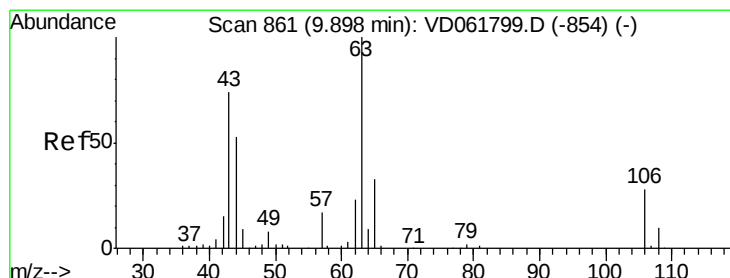
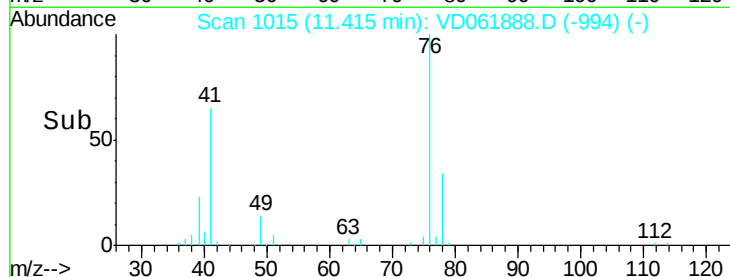
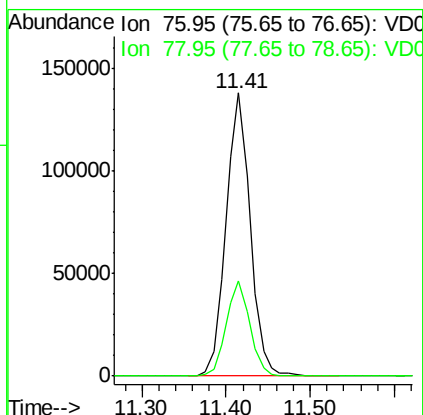
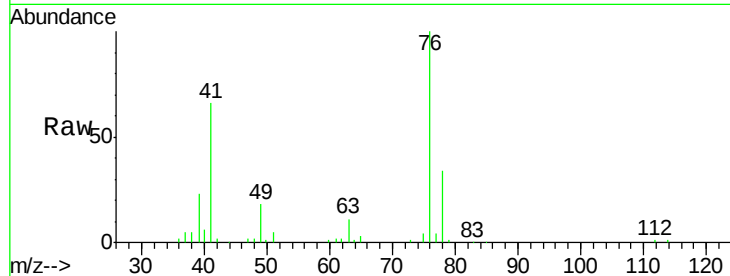




#57
 1,3-Dichloropropane
 Concen: 51.723 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

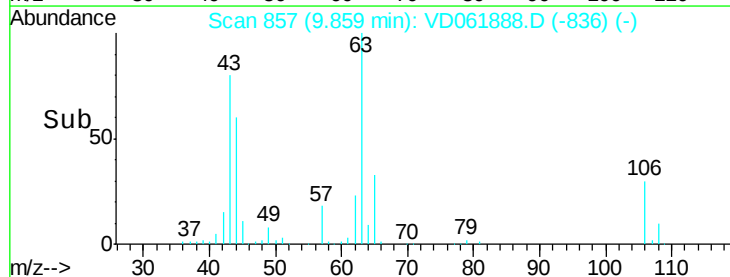
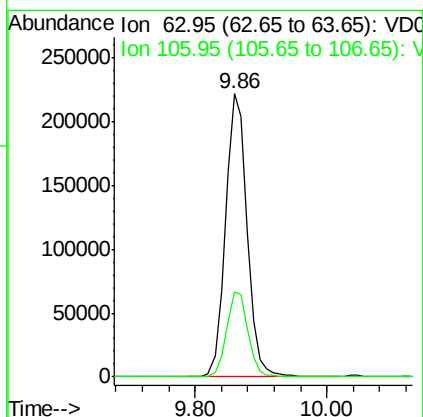
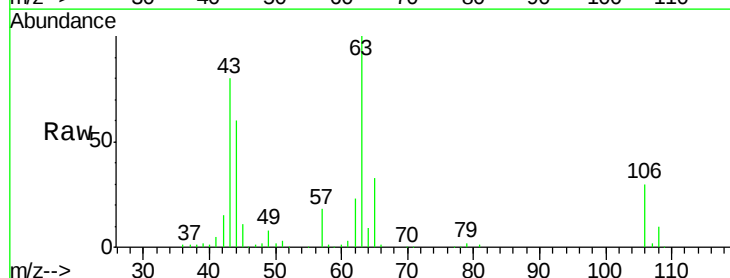
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

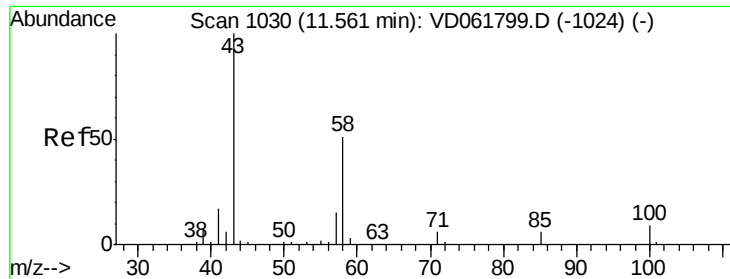
Tot Ion: 76 Resp: 274413
 Ion Ratio Lower Upper
 76 100
 78 33.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.286 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Tgt Ion: 63 Resp: 508993
 Ion Ratio Lower Upper
 63 100
 106 30.0 22.6 34.0

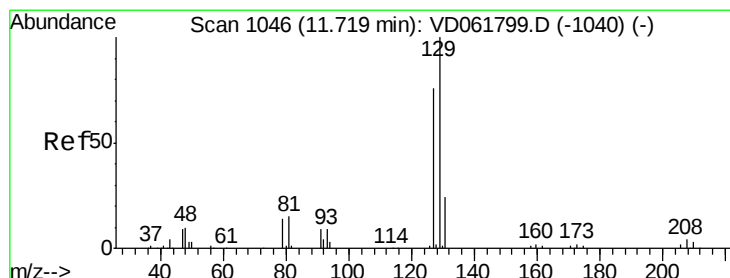
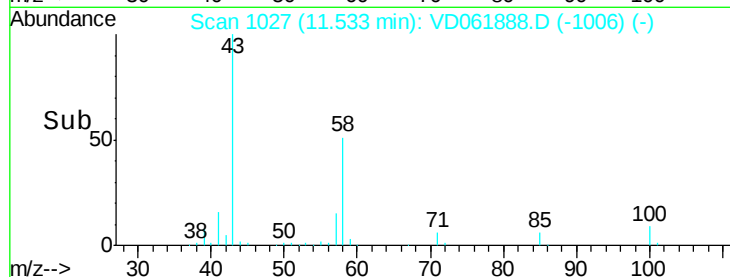
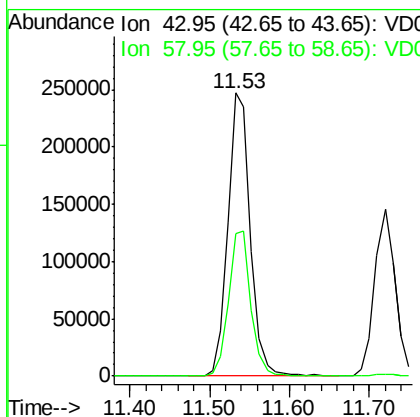
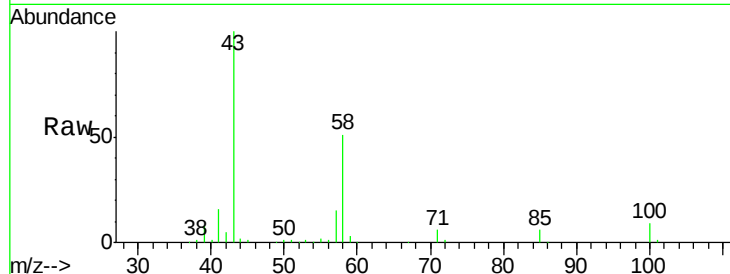




#59
2-Hexanone
Concen: 261.910 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

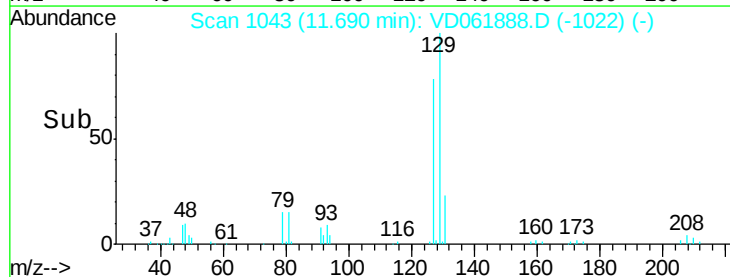
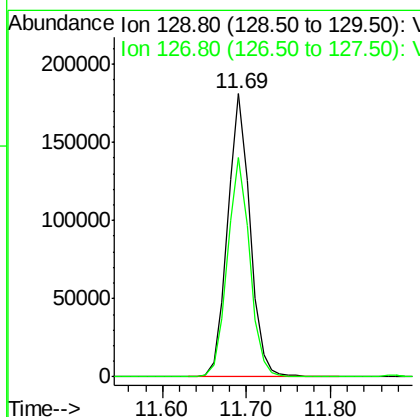
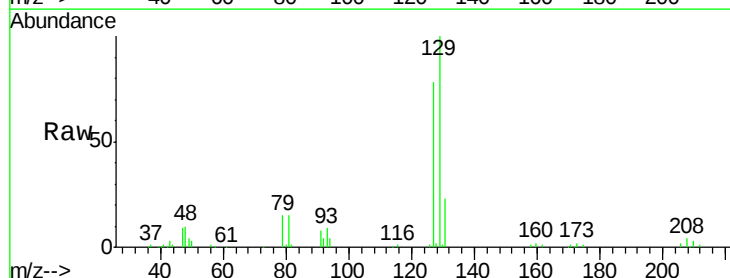
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

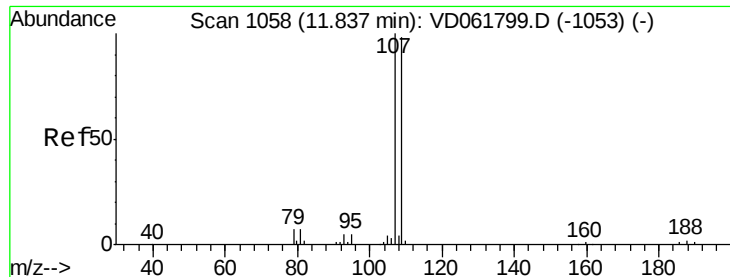
Tot Ion: 43 Resp: 487730
Ion Ratio Lower Upper
43 100
58 50.6 25.4 76.4



#60
Dibromochloromethane
Concen: 57.795 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion: 129 Resp: 333724
Ion Ratio Lower Upper
129 100
127 77.6 38.0 113.9

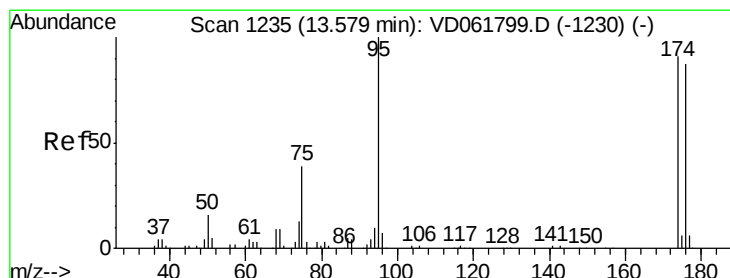
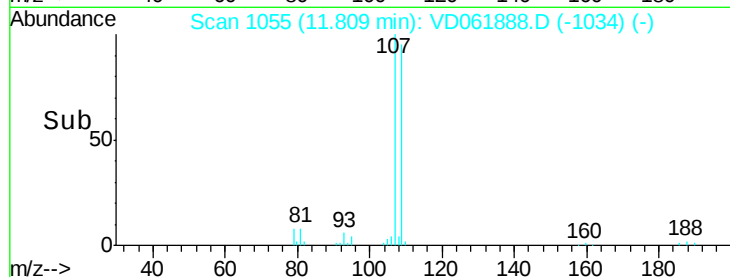
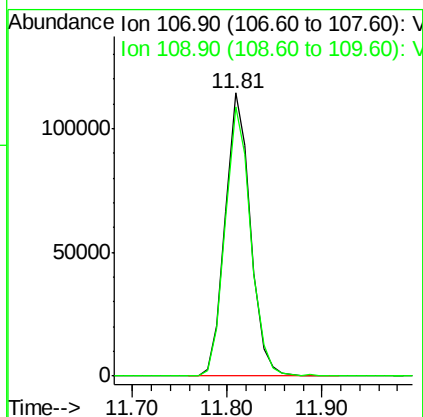
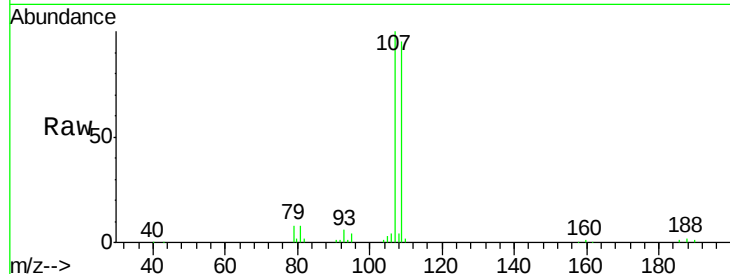




#61
 1,2-Dibromoethane
 Concen: 48.637 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

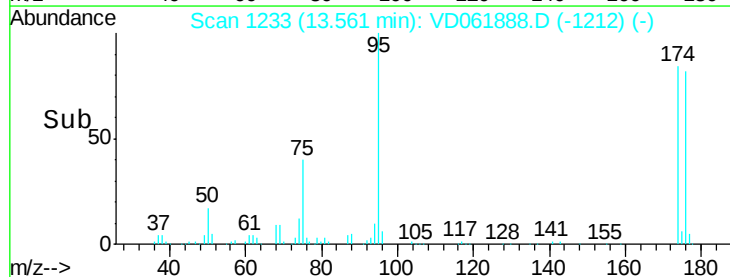
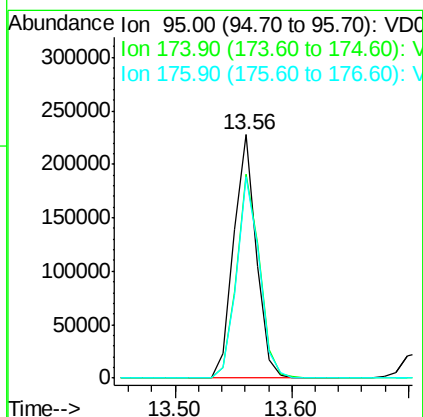
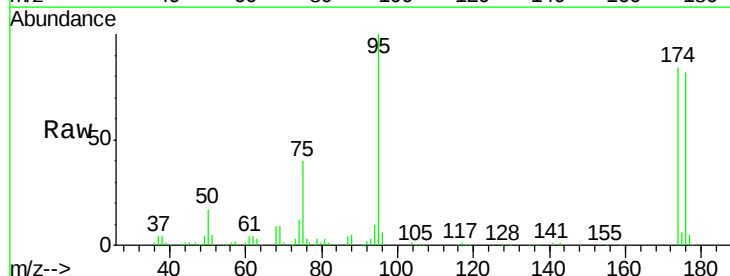
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

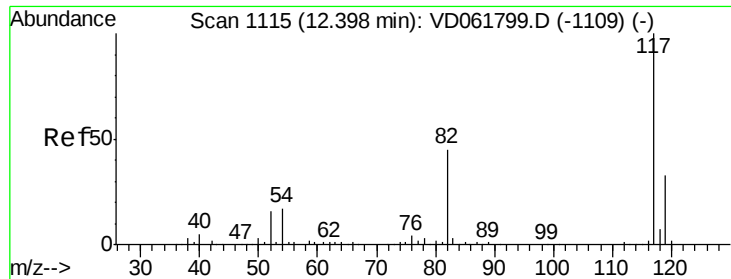
Tot Ion:107 Resp: 211051
 Ion Ratio Lower Upper
 107 100
 109 95.4 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 48.637 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Tgt Ion: 95 Resp: 305395
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 181.8
 176 82.5 0.0 174.4

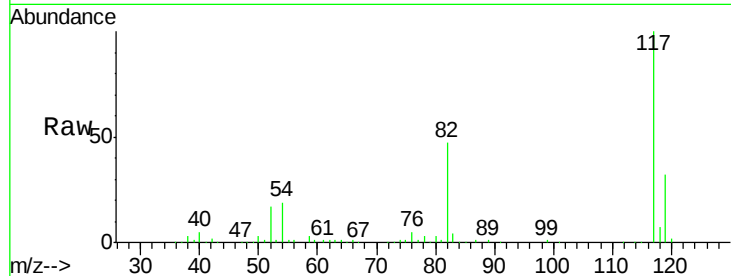




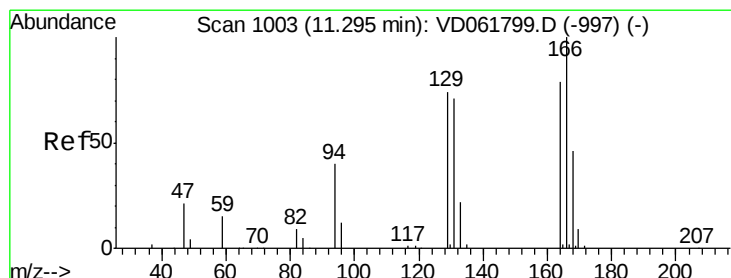
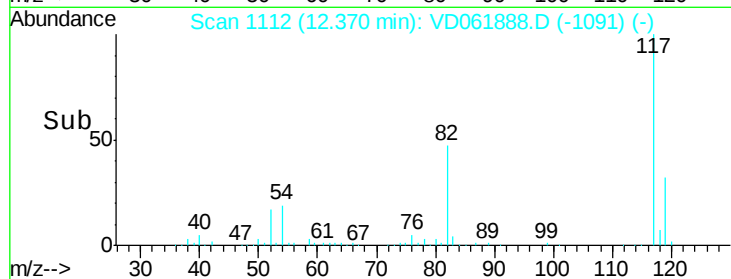
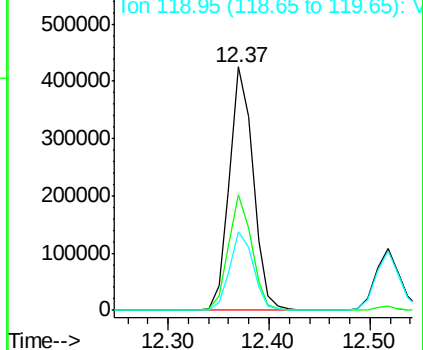
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 695763
Ion Ratio Lower Upper
117 100
82 47.4 36.2 54.2
119 32.1 26.2 39.4

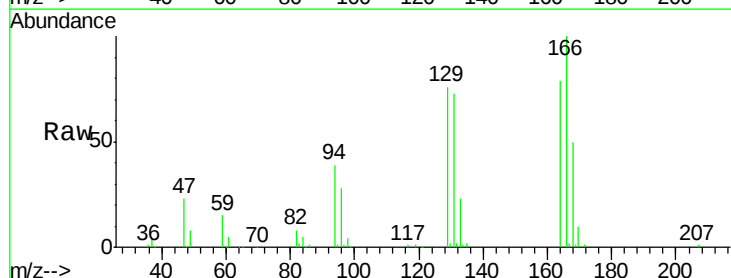


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

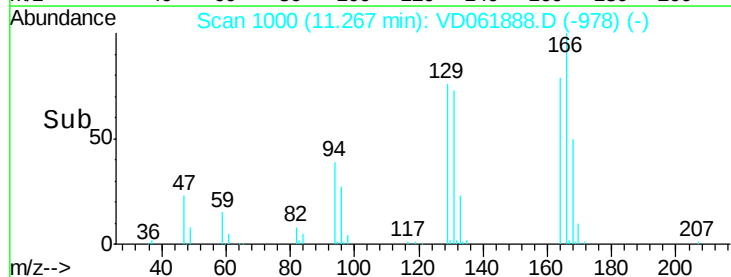
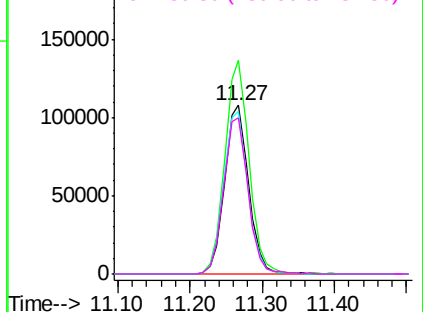


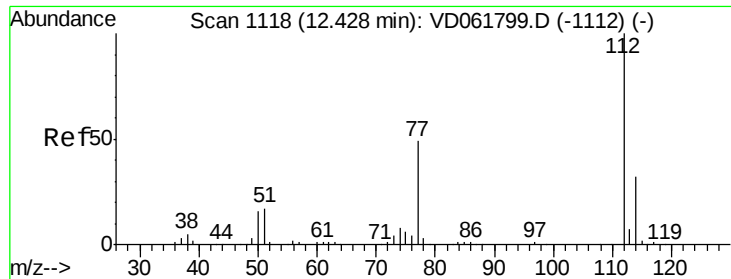
#64
Tetrachloroethene
Concen: 47.441 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion:164 Resp: 247544
Ion Ratio Lower Upper
164 100
166 126.4 101.5 152.3
129 96.0 74.6 112.0
131 92.4 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

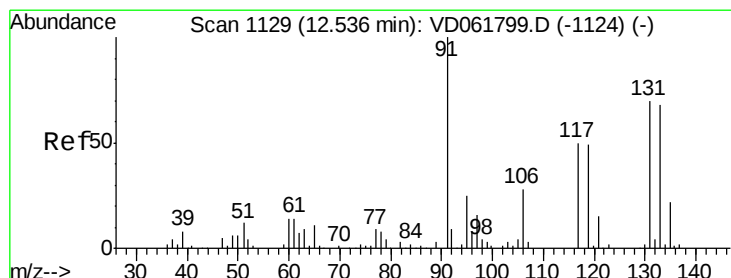
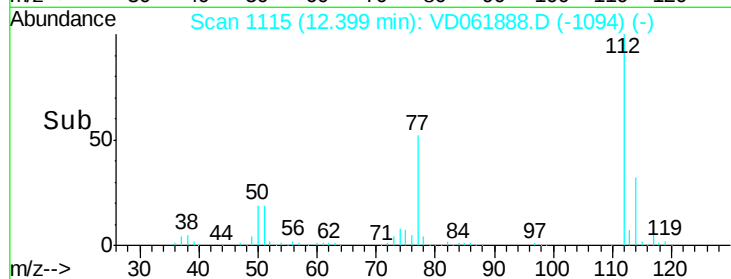
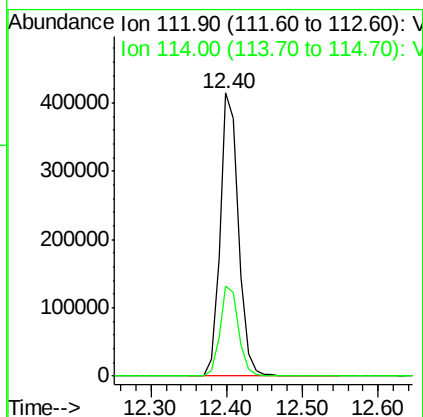
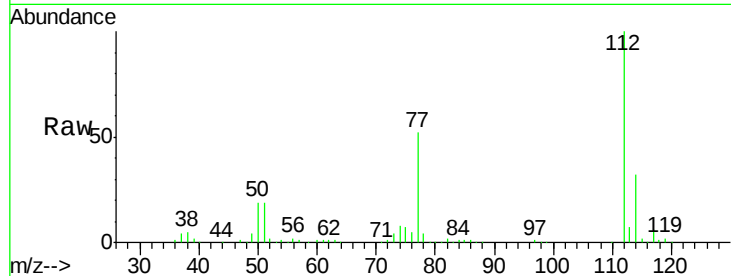




#65
Chlorobenzene
Concen: 54.156 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

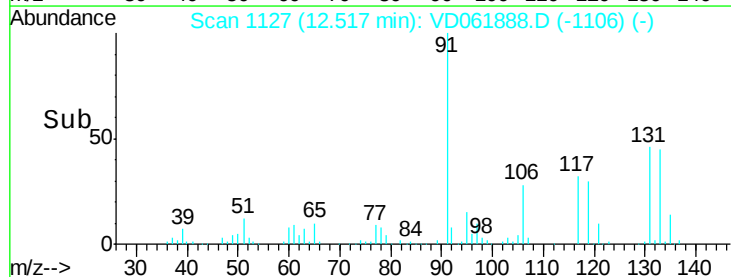
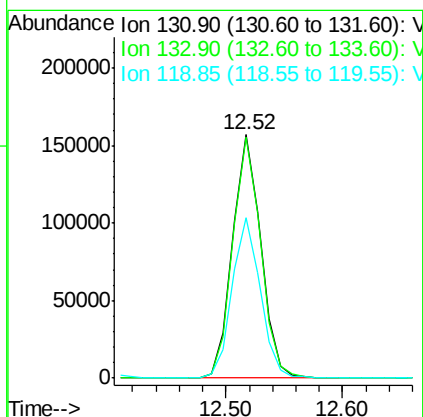
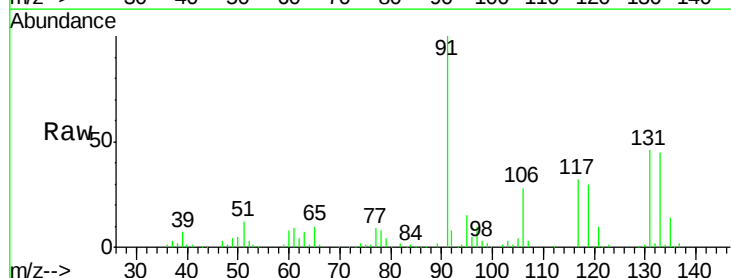
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

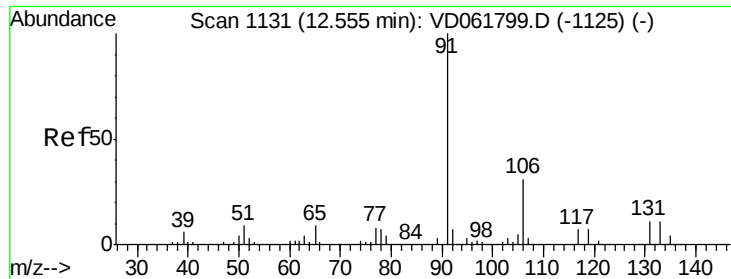
Tot Ion:112 Resp: 701728
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.796 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion:131 Resp: 264963
Ion Ratio Lower Upper
131 100
133 98.8 48.6 145.8
119 66.0 34.7 104.1

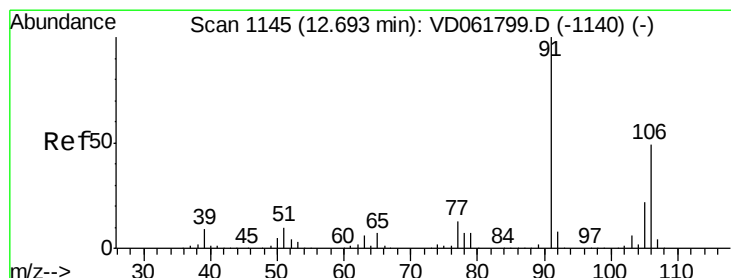
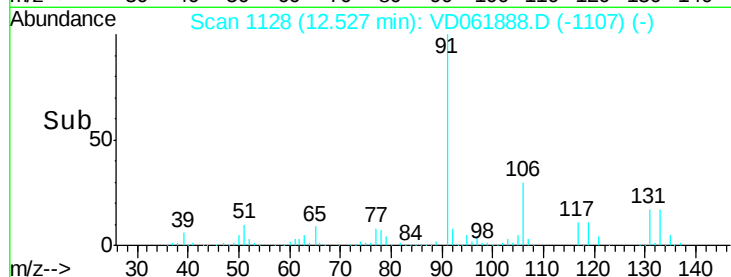
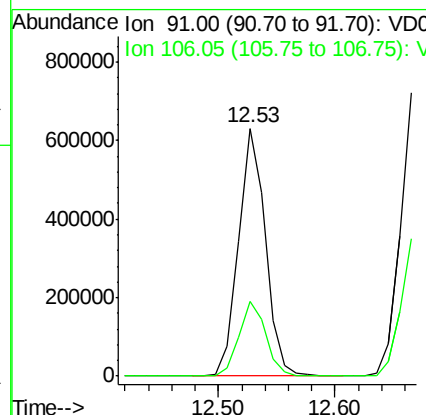
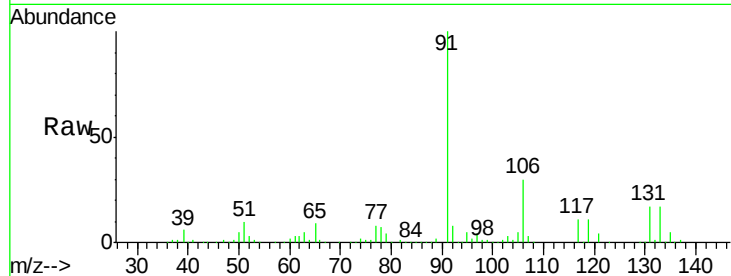




#67
Ethvl Benzene
Concen: 48.678 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

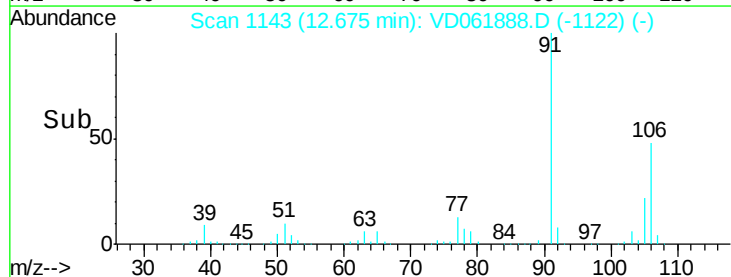
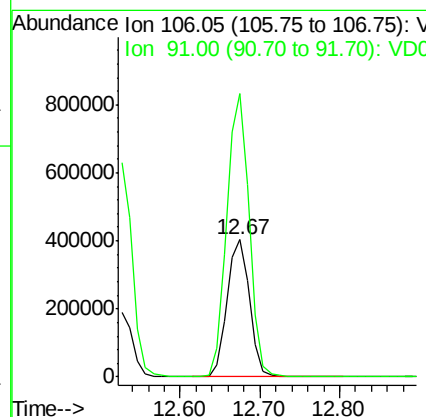
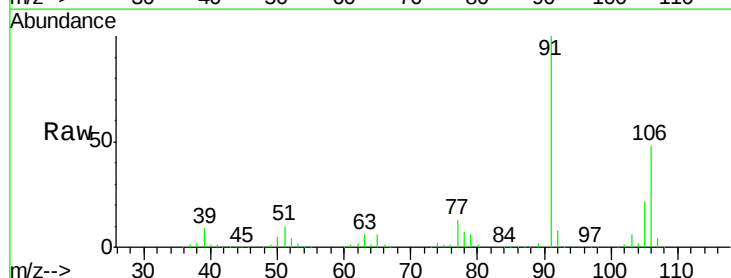
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

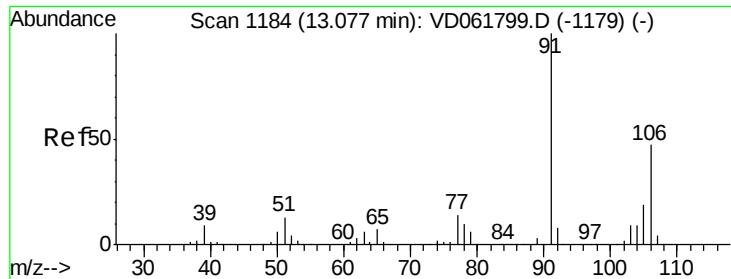
Tot Ion: 91 Resp: 1010088
Ion Ratio Lower Upper
91 100
106 30.0 24.7 37.1



#68
m/p-Xylenes
Concen: 102.949 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion:106 Resp: 802443
Ion Ratio Lower Upper
106 100
91 206.6 164.0 246.0

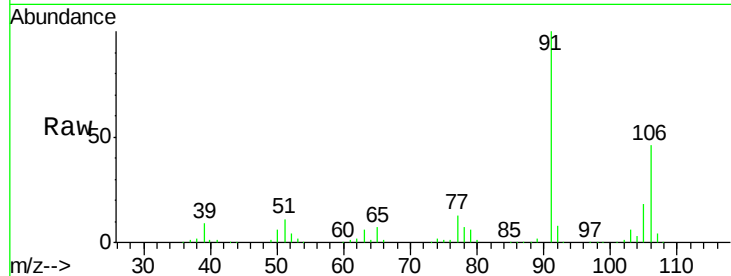




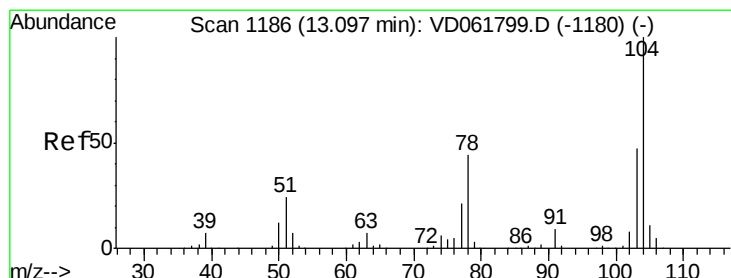
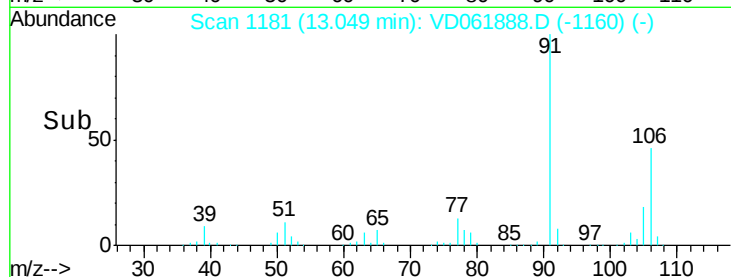
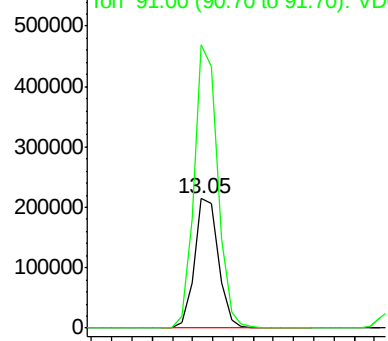
#69
o-Xylene
Concen: 48.137 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 352665
Ion Ratio Lower Upper
106 100
91 218.8 106.7 319.9

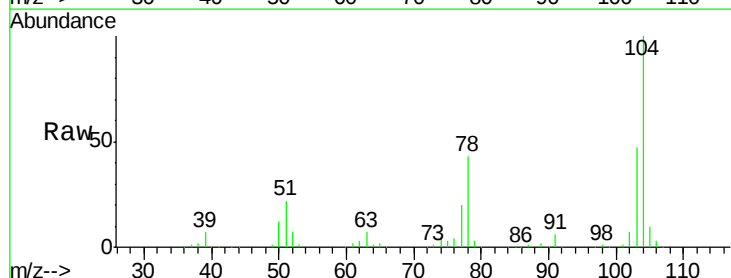


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

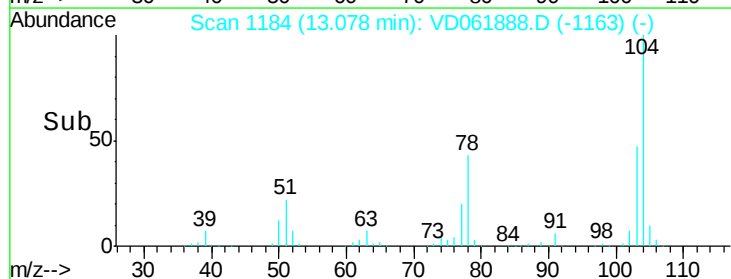
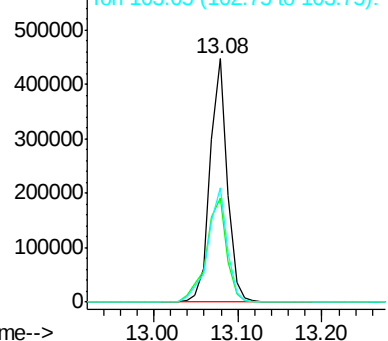


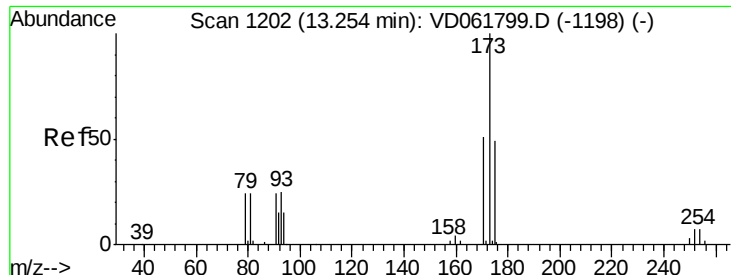
#70
Styrene
Concen: 50.199 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion:104 Resp: 632876
Ion Ratio Lower Upper
104 100
78 42.8 35.4 53.2
103 46.9 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

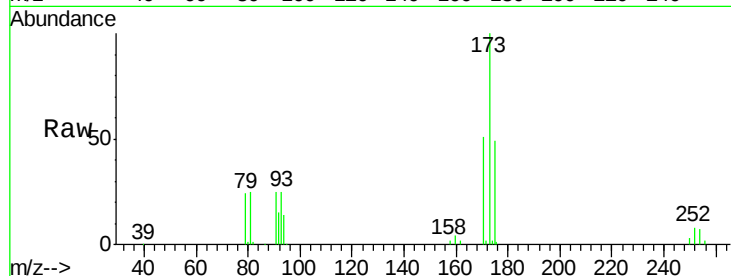




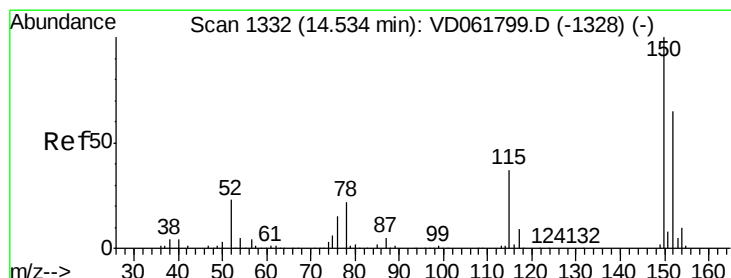
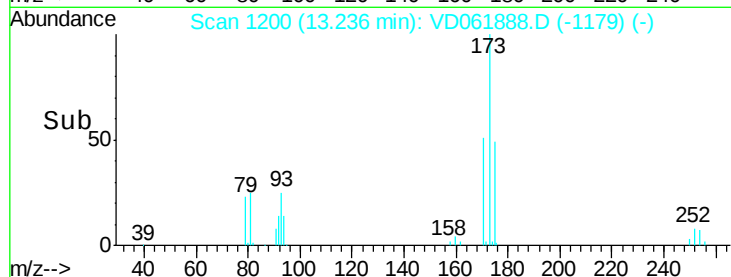
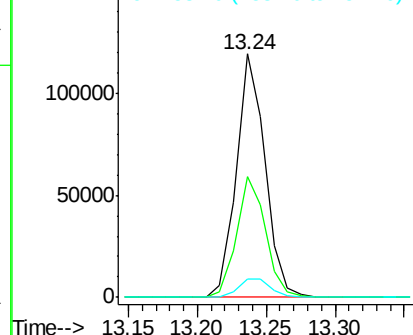
#71
Bromoform
Concen: 53.634 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 172872
Ion Ratio Lower Upper
173 100
175 49.5 24.4 73.4
254 7.4 5.4 8.2

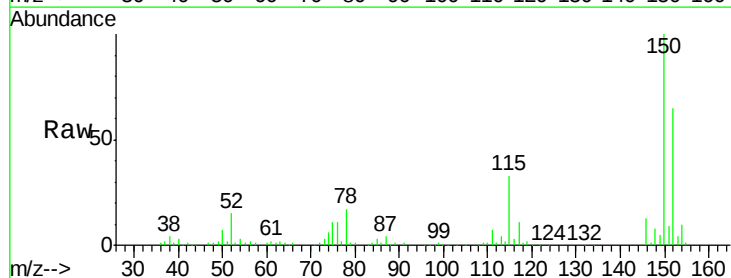


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

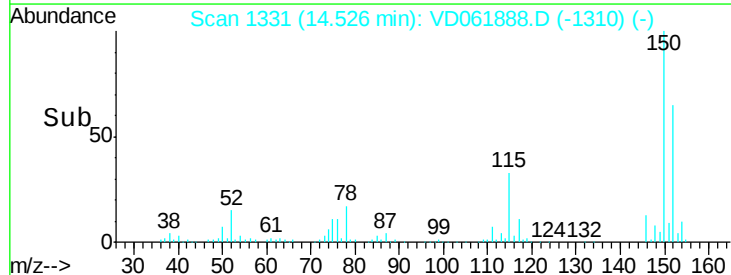
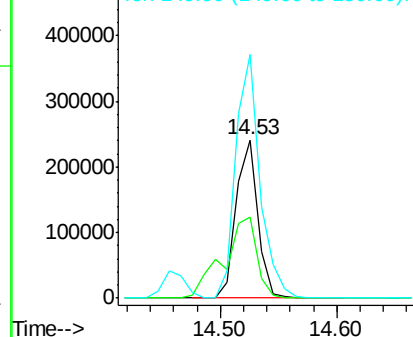


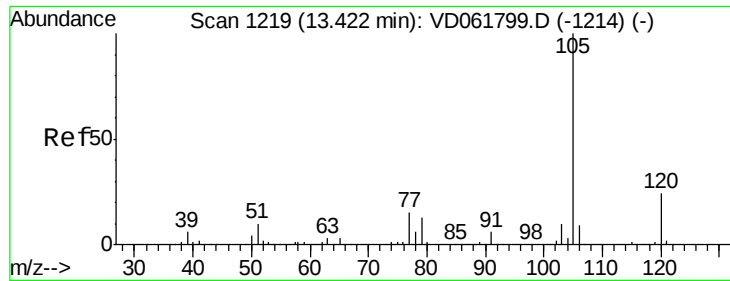
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion:152 Resp: 311571
Ion Ratio Lower Upper
152 100
115 50.8 30.9 92.7
150 153.8 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

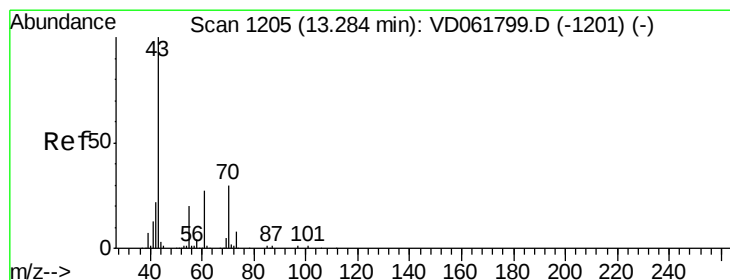
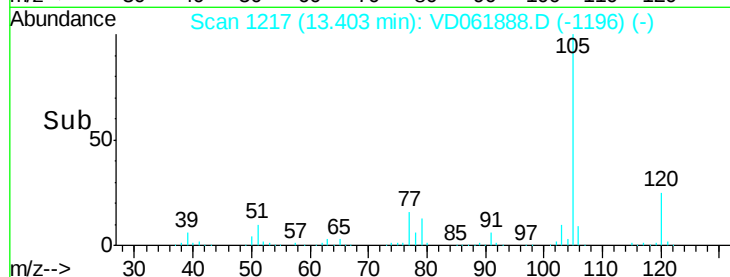
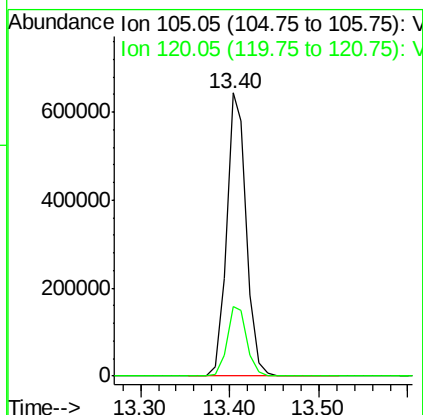
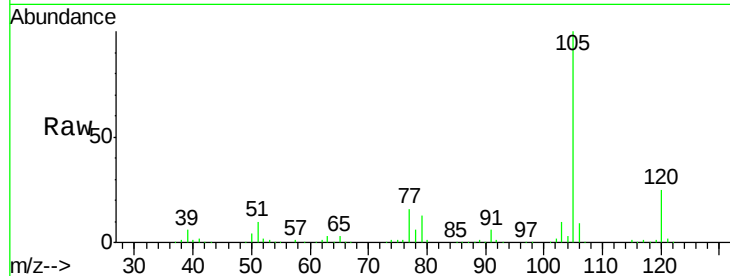




#73
Isopropylbenzene
Concen: 49.546 ug/l
RT: 13.40 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

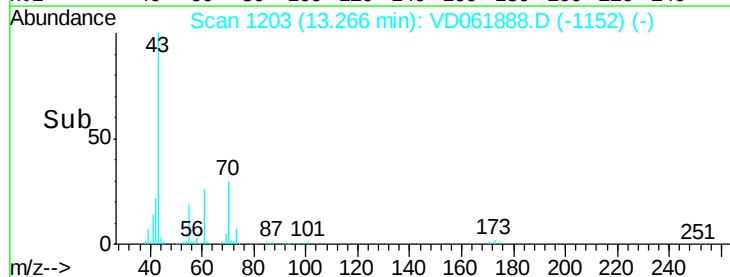
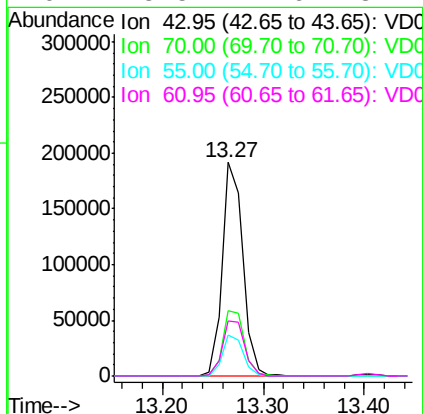
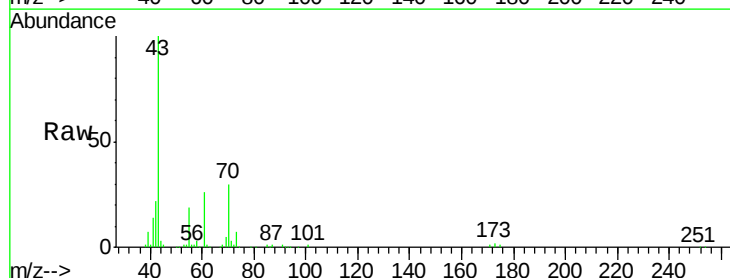
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

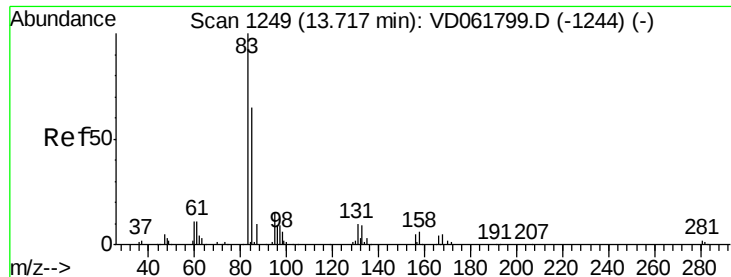
Tot Ion:105 Resp: 1001153
Ion Ratio Lower Upper
105 100
120 24.6 12.0 36.1



#74
N-ethyl acetate
Concen: 50.223 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion: 43 Resp: 272894
Ion Ratio Lower Upper
43 100
70 30.3 24.2 36.4
55 19.2 16.0 24.0
61 25.5 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.223 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

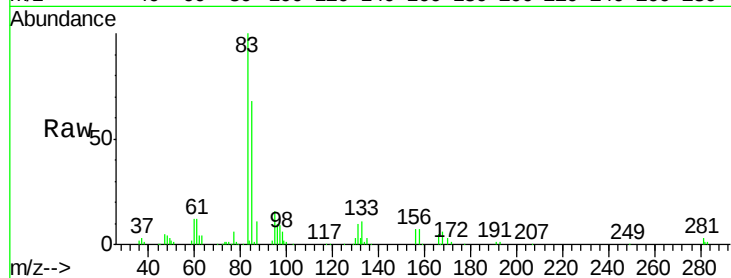
Tot Ion: 83 Resp: 212581

Ion Ratio Lower Upper

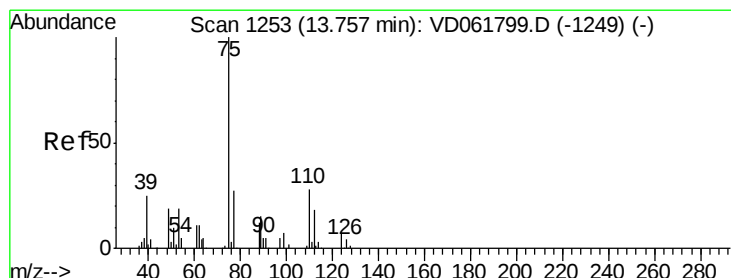
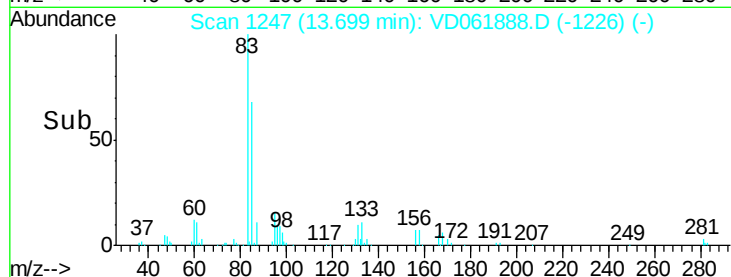
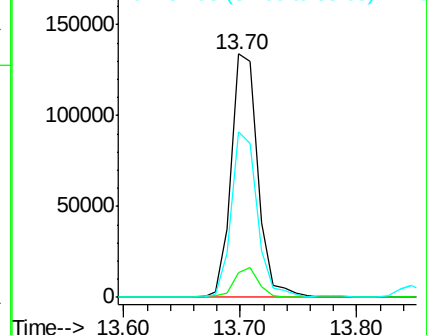
83 100

131 10.2 5.0 14.9

85 67.9 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: 54.837 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061888.D

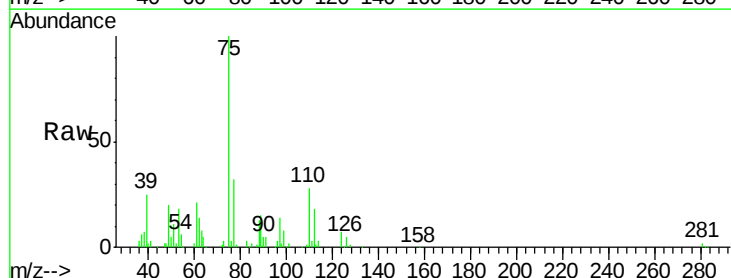
Acq: 18 Apr 2019 23:50

Tgt Ion: 75 Resp: 224378

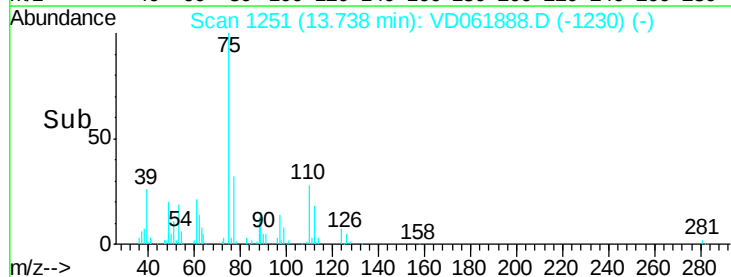
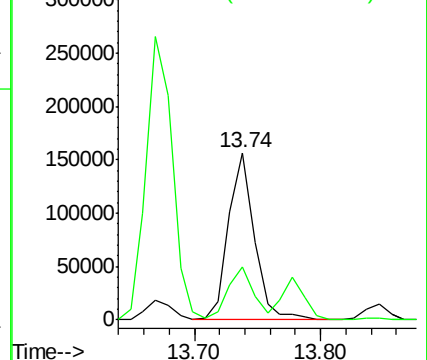
Ion Ratio Lower Upper

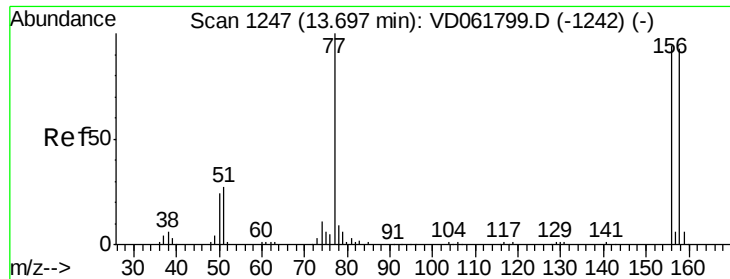
75 100

77 32.1 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: 53.097 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

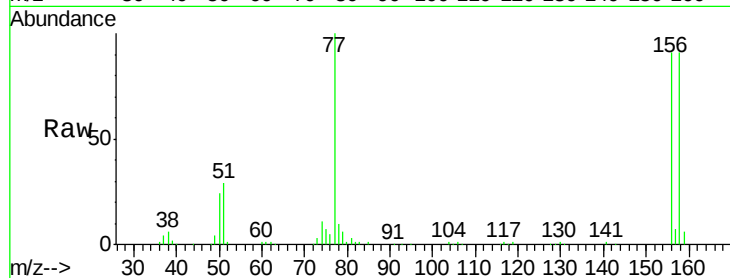
Tot Ion:156 Resp: 304769

Ion Ratio Lower Upper

156 100

77 109.7 53.1 159.4

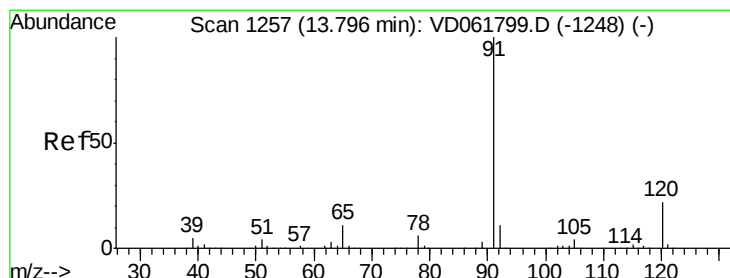
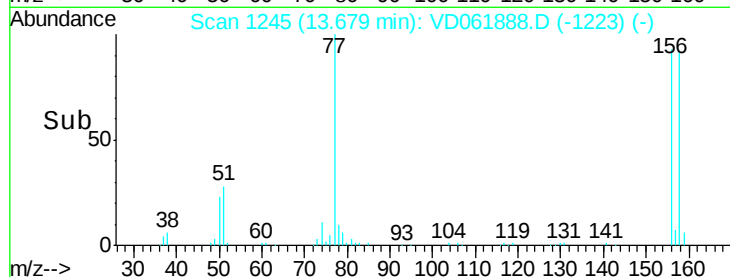
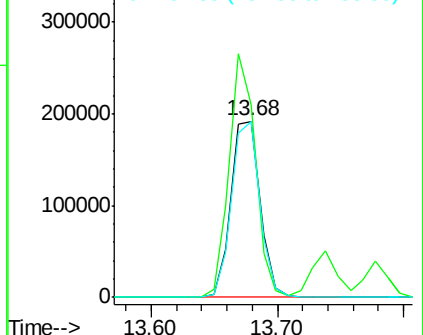
158 99.6 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 55.507 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061888.D

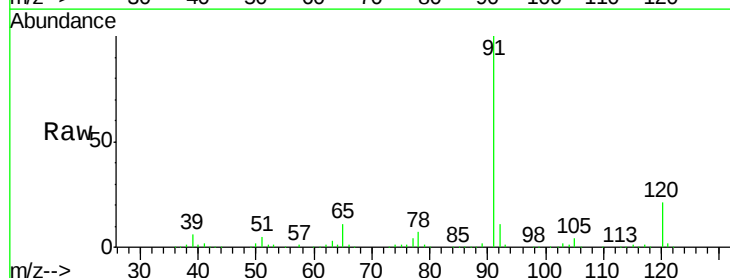
Acq: 18 Apr 2019 23:50

Tgt Ion: 91 Resp: 1295849

Ion Ratio Lower Upper

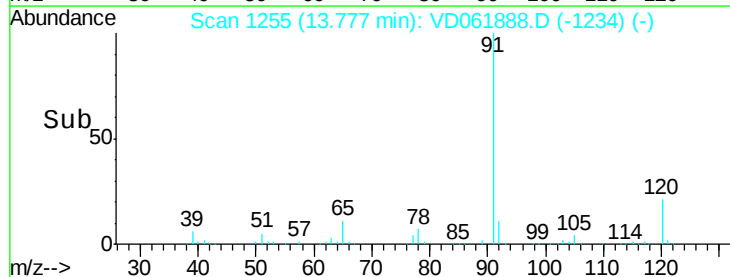
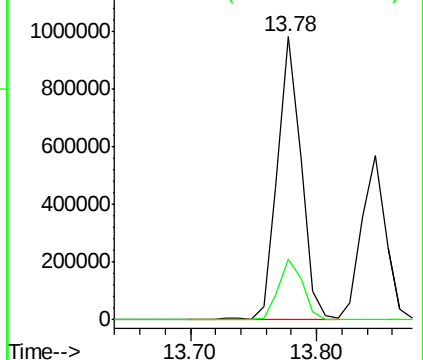
91 100

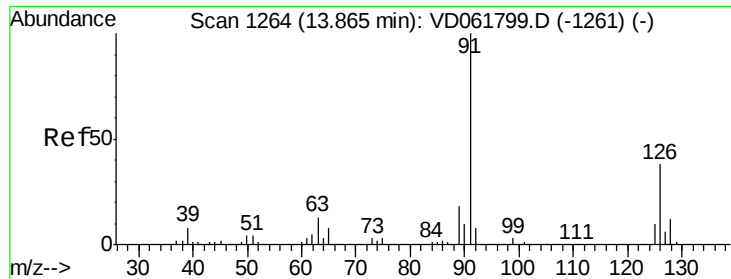
120 21.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 55.381 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

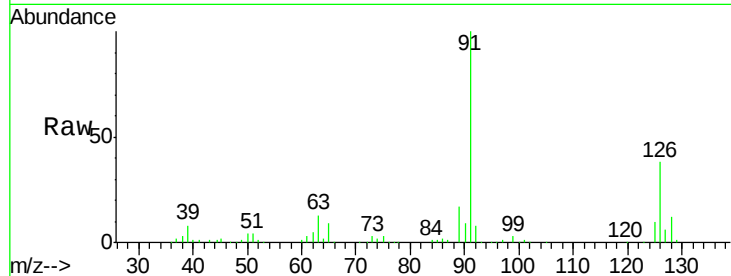
VSTDCCC050

Tot Ion: 91 Resp: 755278

Ion Ratio Lower Upper

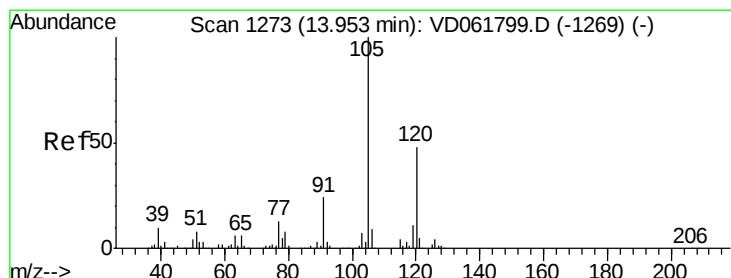
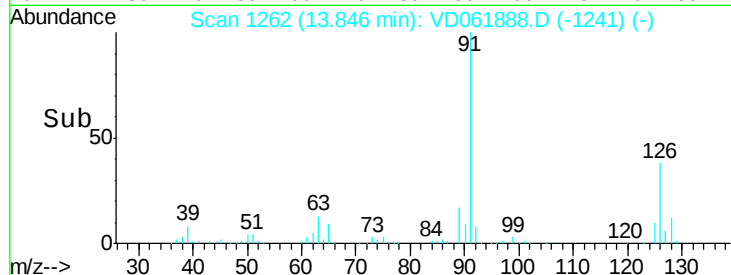
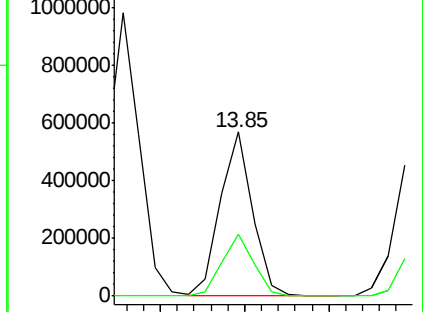
91 100

126 38.1 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: 55.300 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD061888.D

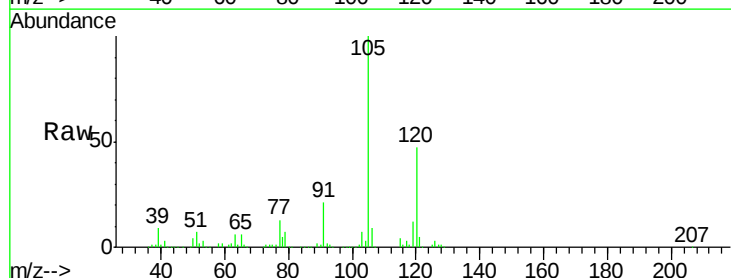
Acq: 18 Apr 2019 23:50

Tgt Ion: 105 Resp: 886621

Ion Ratio Lower Upper

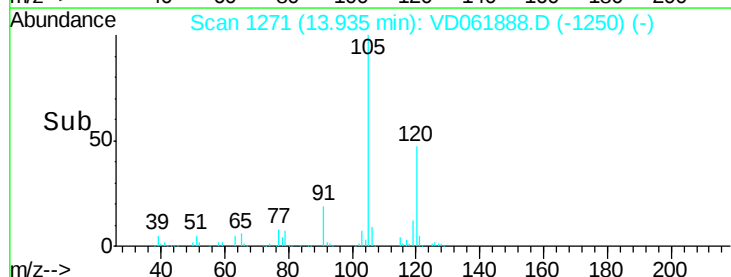
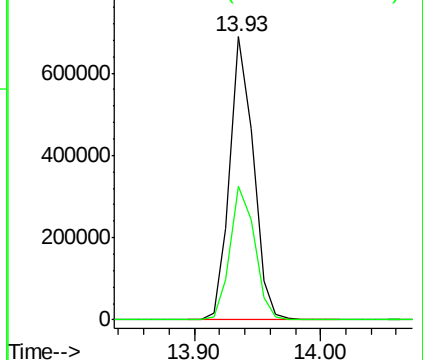
105 100

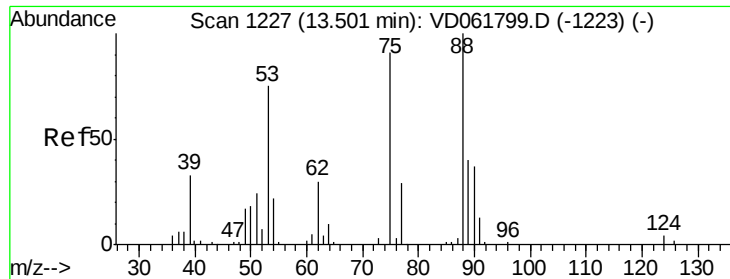
120 47.3 24.0 72.0



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: 48.182 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

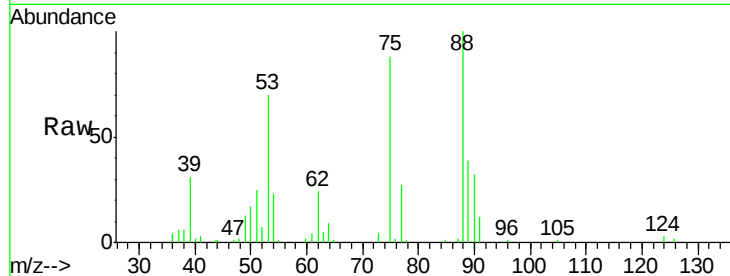
Tot Ion: 75 Resp: 63729

Ion Ratio Lower Upper

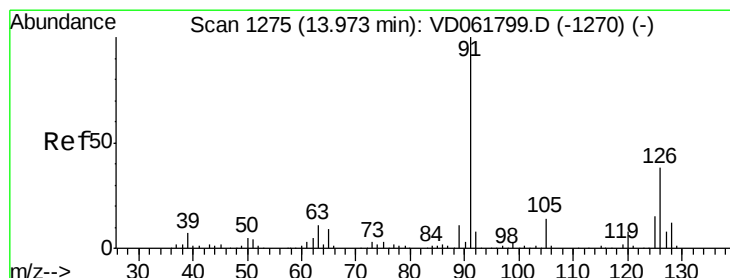
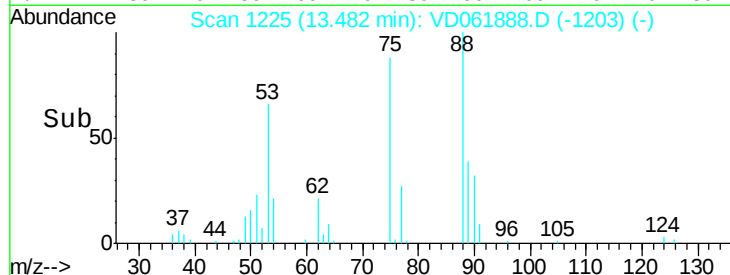
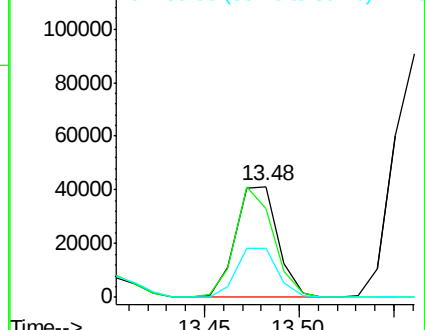
75 100

53 79.7 65.8 98.8

89 44.0 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: 52.371 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061888.D

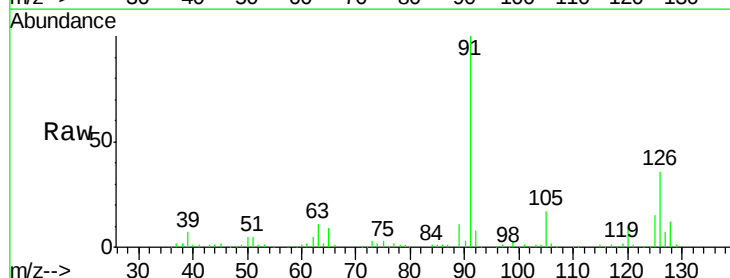
Acq: 18 Apr 2019 23:50

Tgt Ion: 91 Resp: 817517

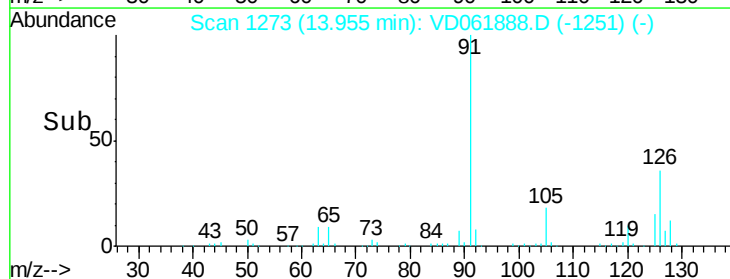
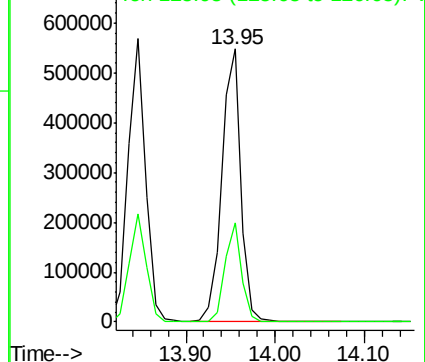
Ion Ratio Lower Upper

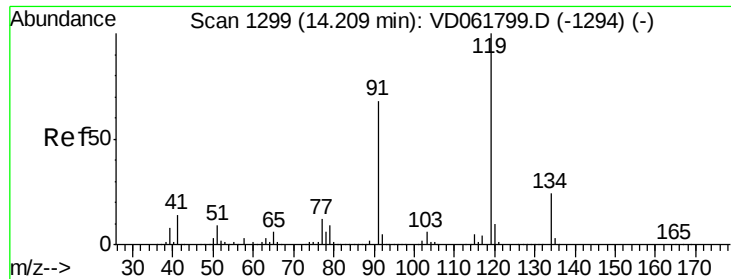
91 100

126 36.4 19.1 57.5



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

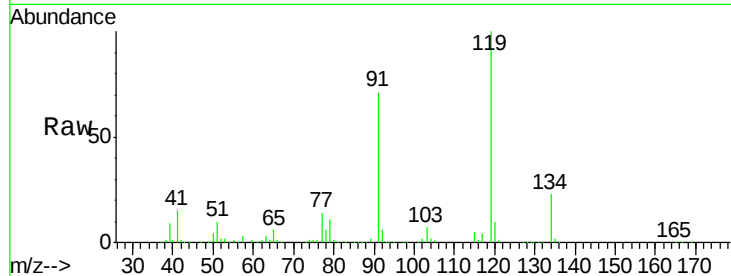




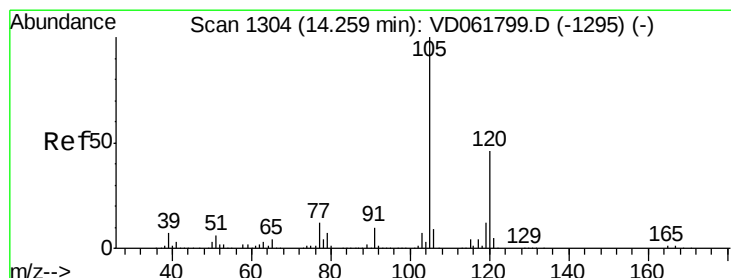
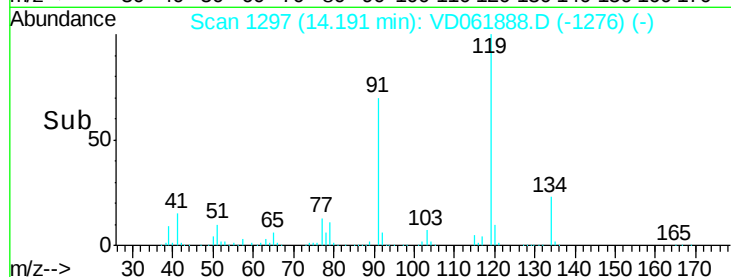
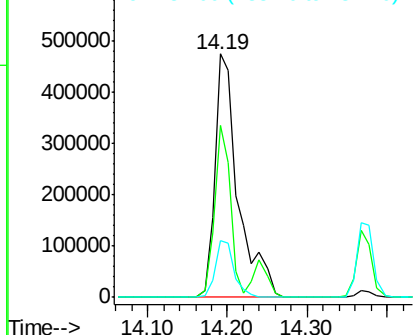
#83
tert-Butylbenzene
Concen: 51.583 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 971090
Ion Ratio Lower Upper
119 100
91 70.9 34.2 102.6
134 23.1 12.0 36.0

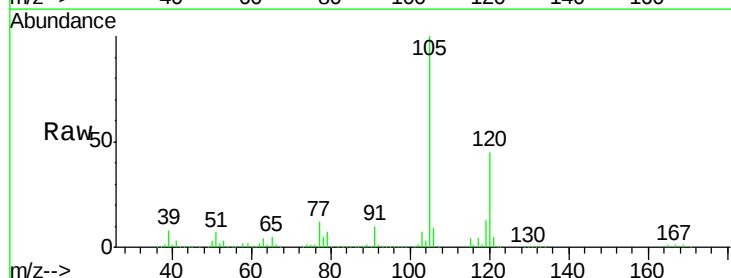


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

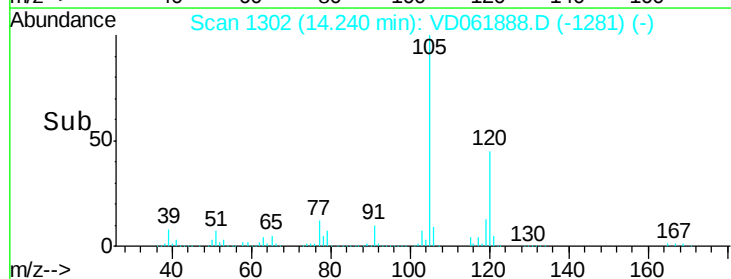
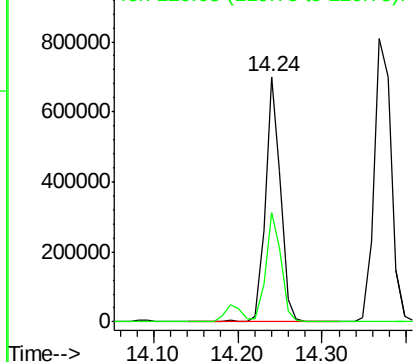


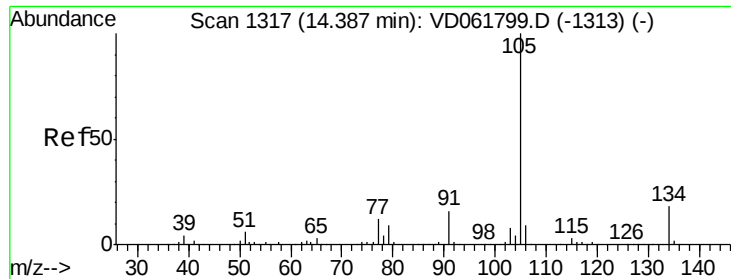
#84
1,2,4-Trimethylbenzene
Concen: 54.951 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion:105 Resp: 885607
Ion Ratio Lower Upper
105 100
120 44.8 23.1 69.2



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

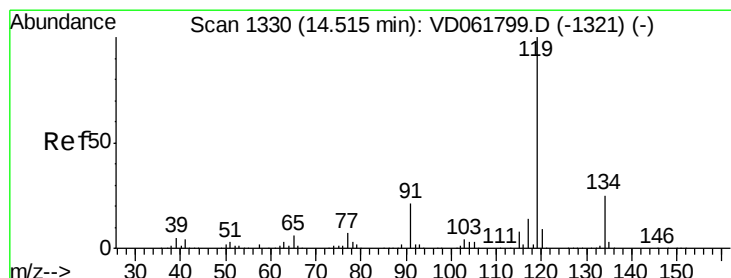
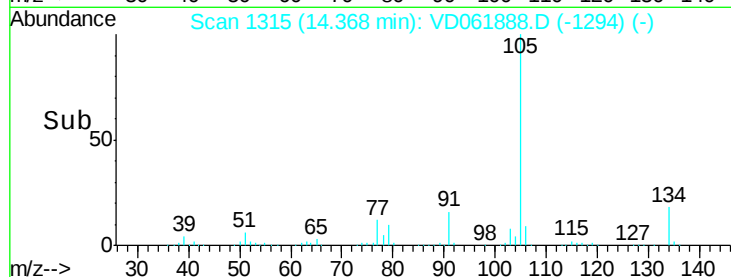
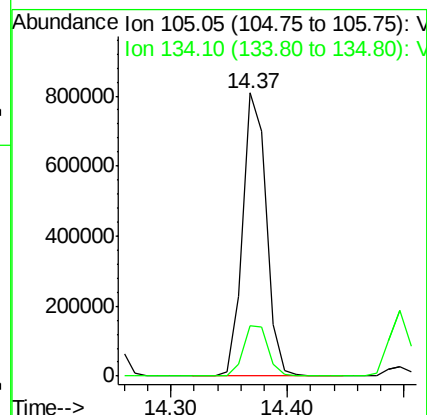
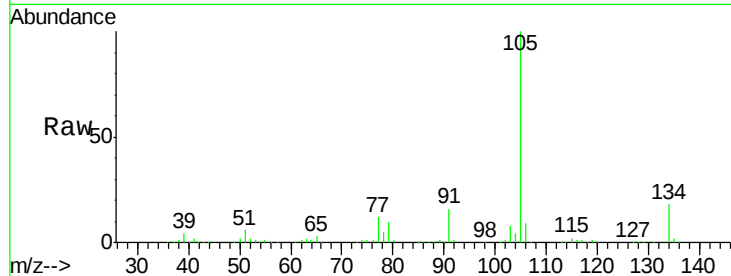




#85
 sec-Butylbenzene
 Concen: 58.223 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

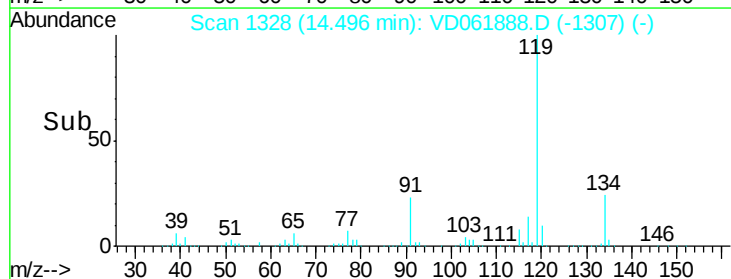
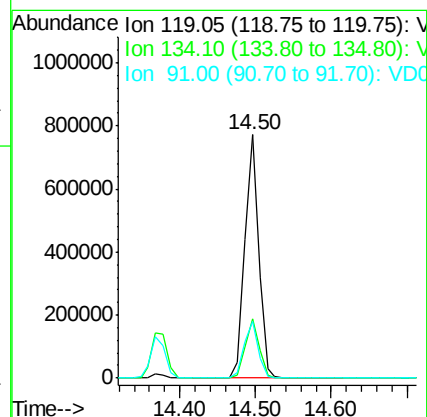
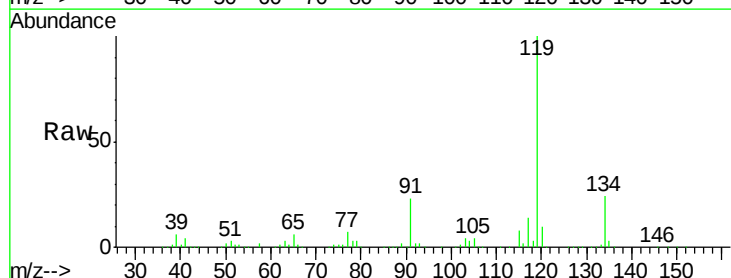
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

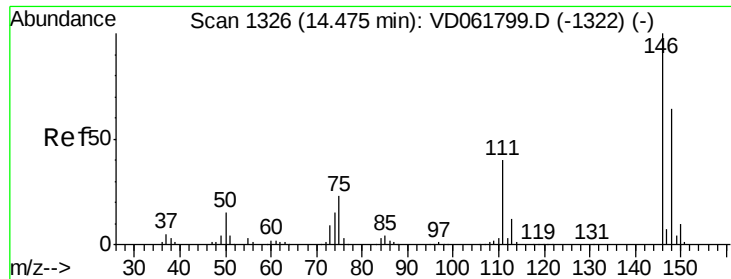
Tot Ion:105 Resp: 1133113
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 52.644 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Tgt Ion:119 Resp: 958602
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.8 38.3
 91 23.1 10.7 32.1

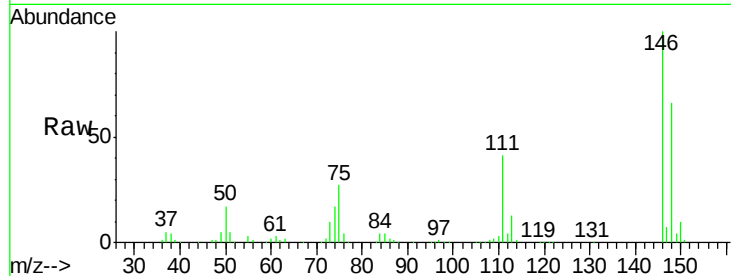




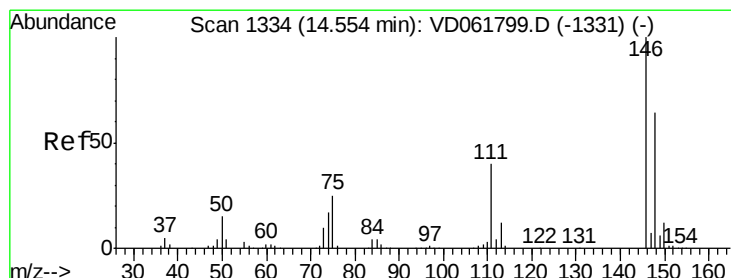
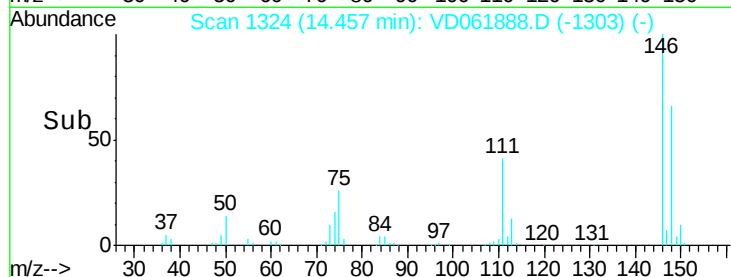
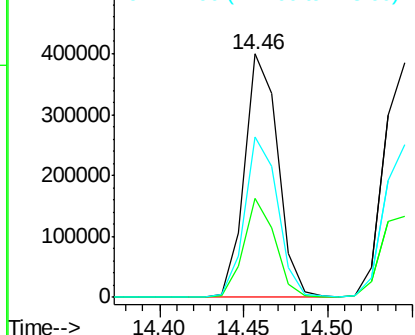
#87
 1,3-Dichlorobenzene
 Concen: 54.770 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 548824
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 60.0
 148 65.8 31.8 95.4

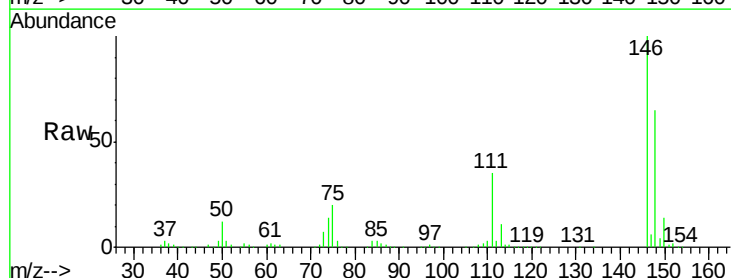


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

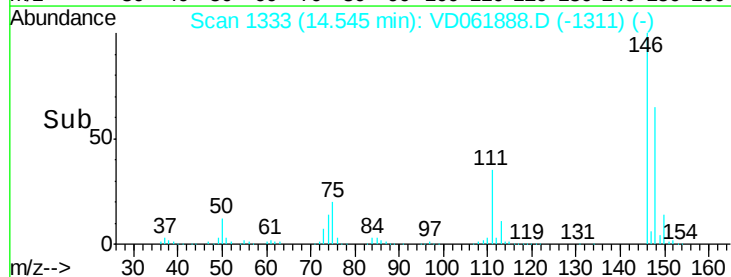
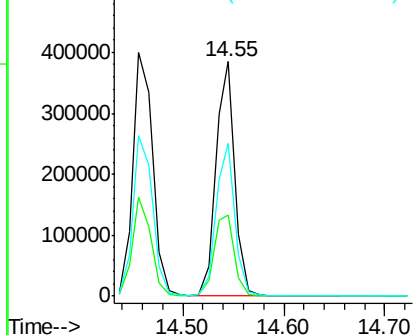


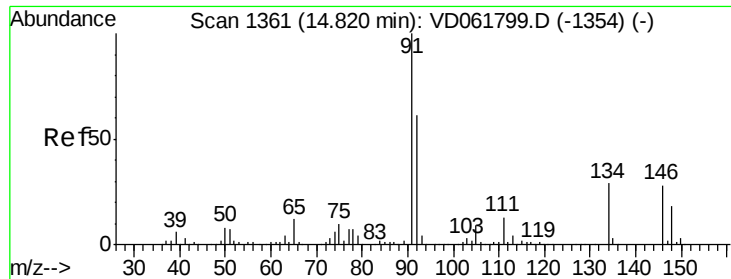
#88
 1,4-Dichlorobenzene
 Concen: 50.929 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Tgt Ion:146 Resp: 504464
 Ion Ratio Lower Upper
 146 100
 111 34.7 20.2 60.5
 148 65.1 32.0 96.2



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





#89

n-Butylbenzene

Concen: 48.247 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061888.D

Acq: 18 Apr 2019 23:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

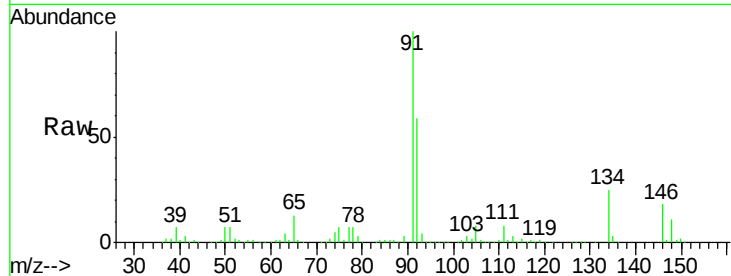
Tot Ion: 91 Resp: 777661

Ion Ratio Lower Upper

91 100

92 59.0 30.3 91.0

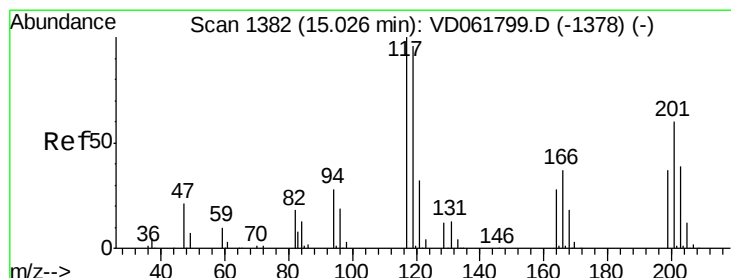
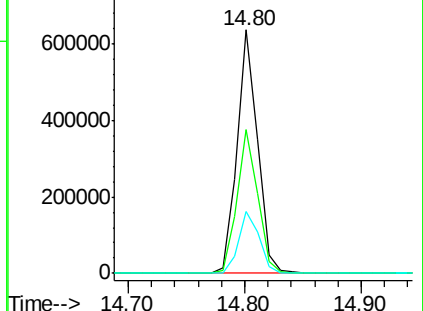
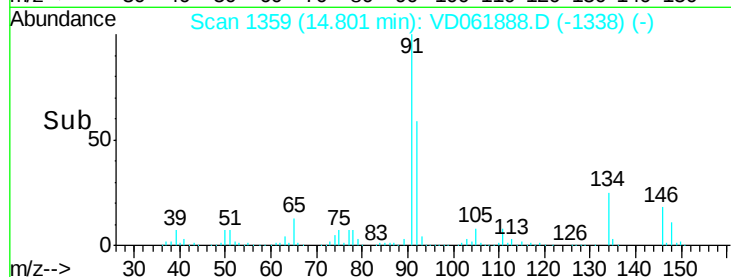
134 25.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 57.392 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061888.D

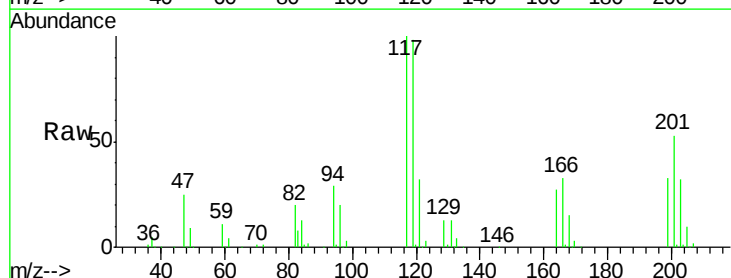
Acq: 18 Apr 2019 23:50

Tgt Ion: 117 Resp: 284842

Ion Ratio Lower Upper

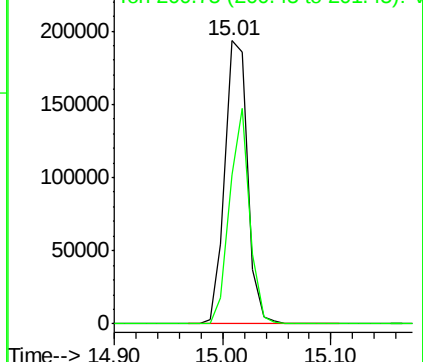
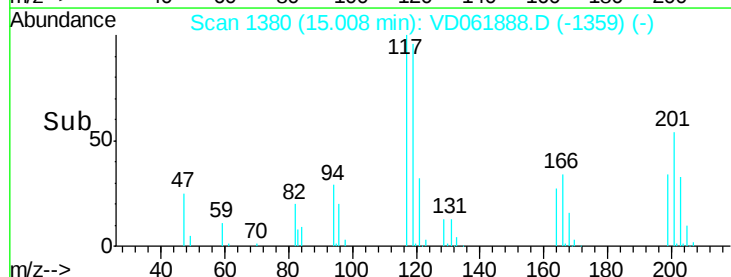
117 100

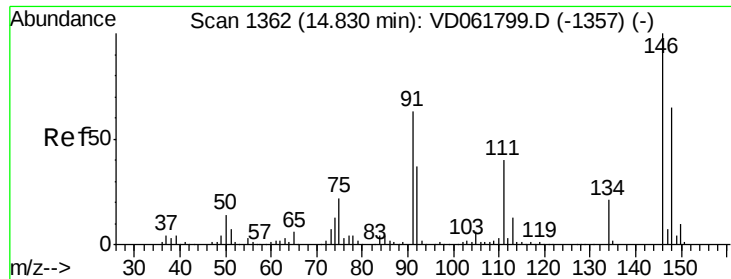
201 52.5 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

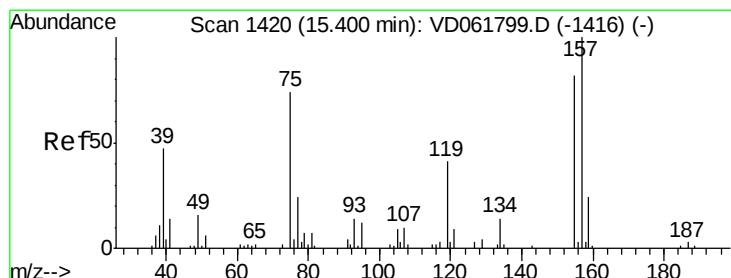
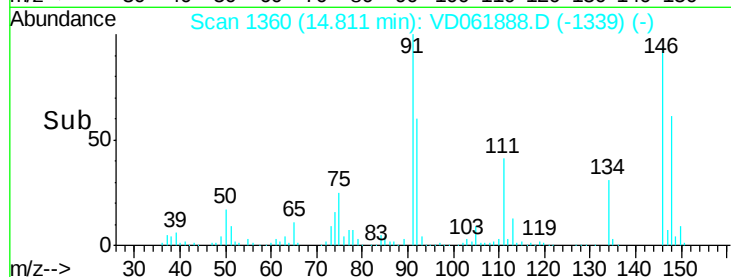
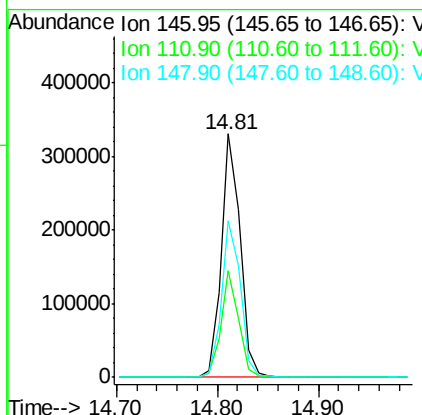
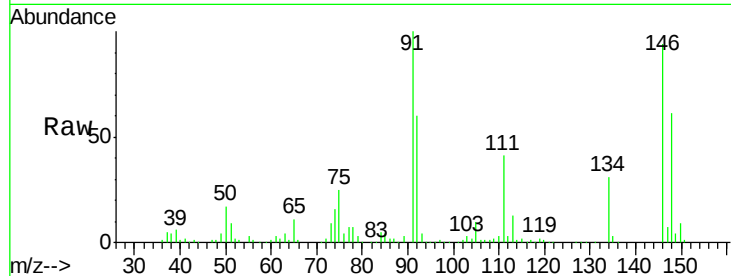




#91
 1,2-Dichlorobenzene
 Concen: 51.684 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

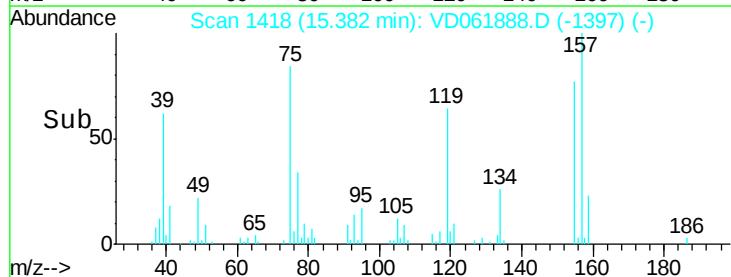
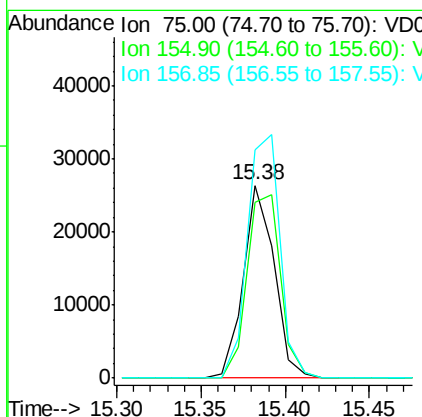
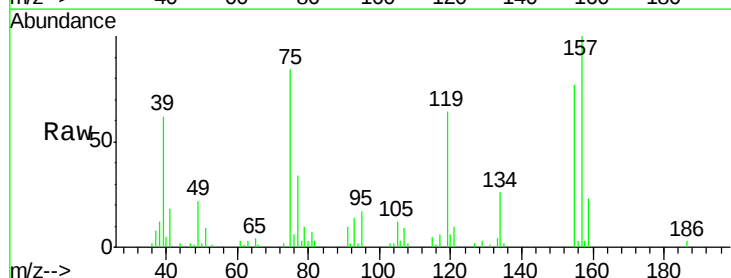
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

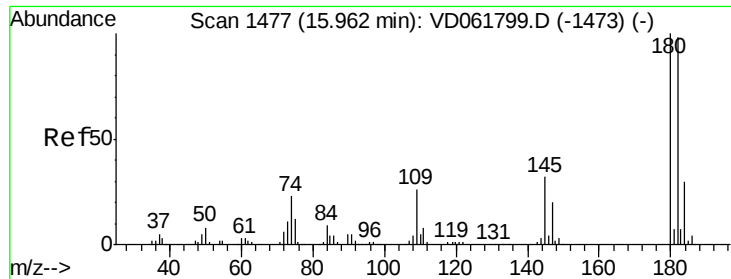
Tot Ion:146 Resp: 433813
 Ion Ratio Lower Upper
 146 100
 111 43.6 20.0 59.9
 148 64.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.209 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Tgt Ion: 75 Resp: 33439
 Ion Ratio Lower Upper
 75 100
 155 90.9 55.3 165.8
 157 118.4 67.8 203.2

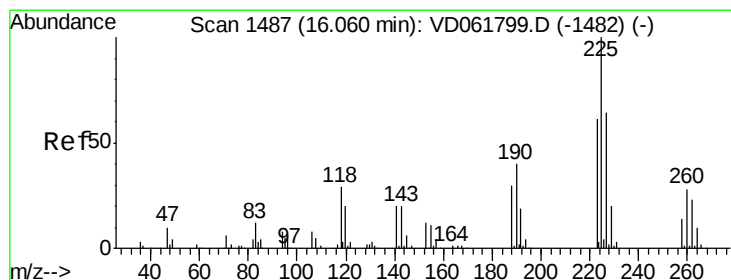
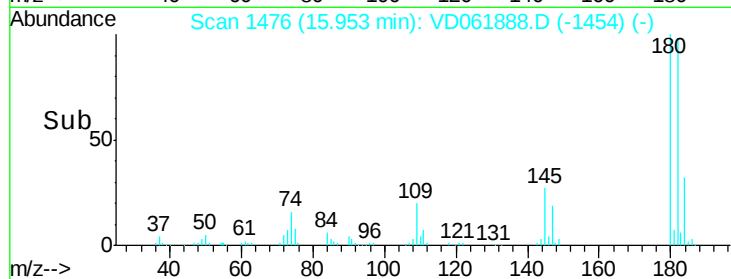
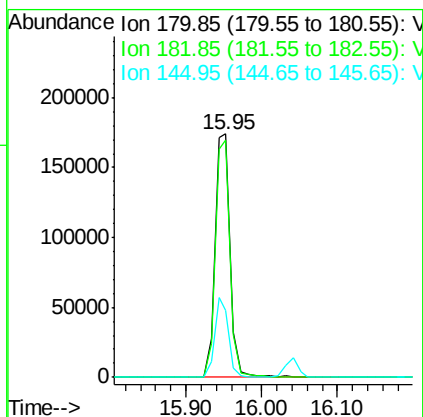
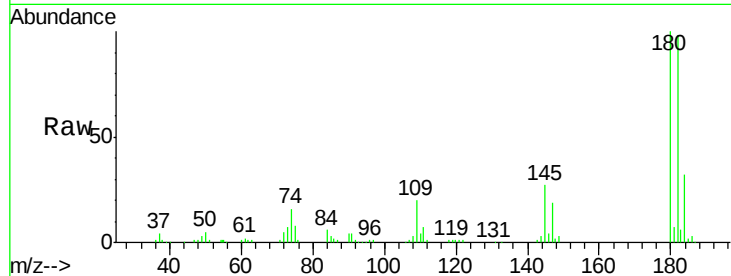




#93
 1,2,4-Trichlorobenzene
 Concen: 53.713 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

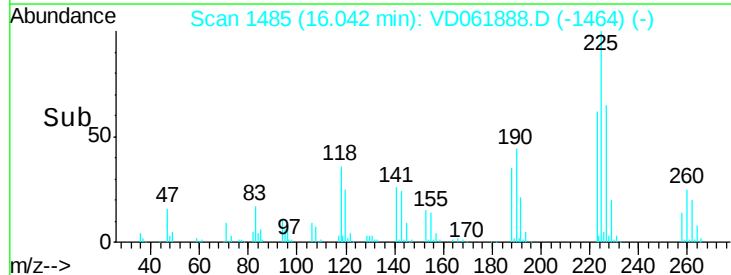
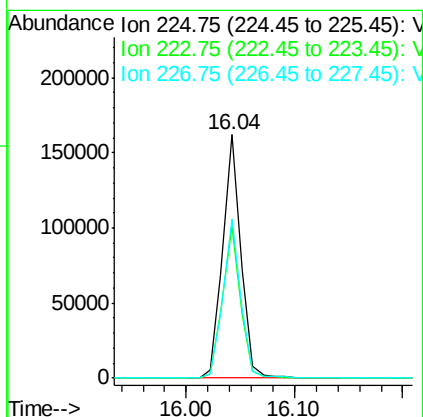
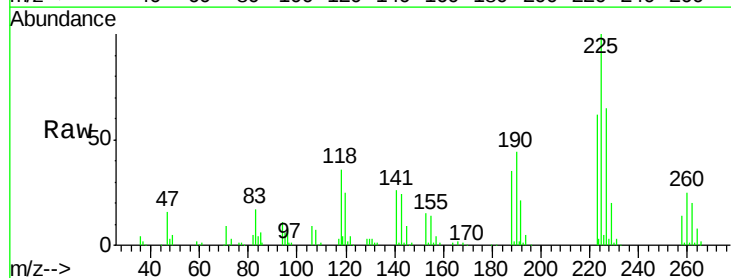
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

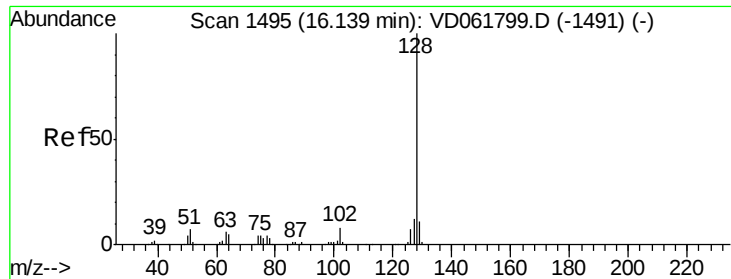
Tot Ion:180 Resp: 247619
 Ion Ratio Lower Upper
 180 100
 182 97.6 49.3 147.8
 145 27.3 16.2 48.6



#94
 Hexachlorobutadiene
 Concen: 57.076 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061888.D
 Acq: 18 Apr 2019 23:50

Tgt Ion:225 Resp: 190681
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.6 92.0
 227 65.4 32.0 96.2

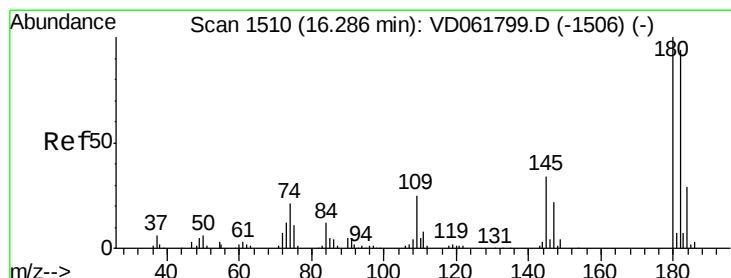
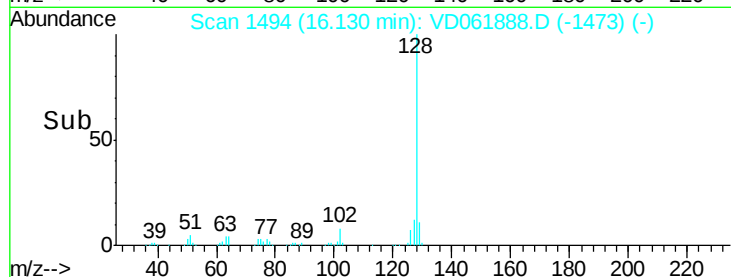
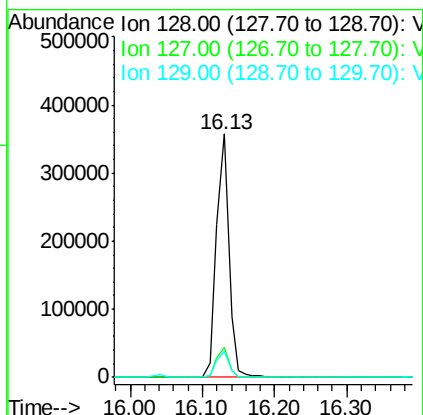
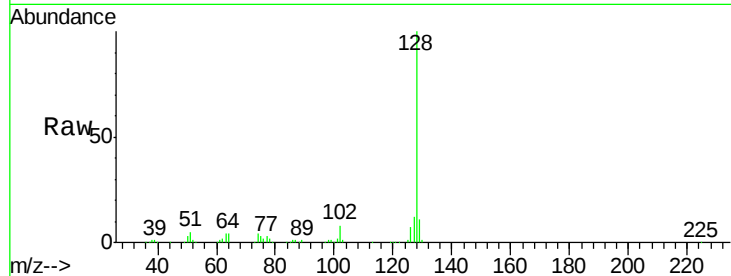




#95
Naphthalene
Concen: 59.882 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 423121
Ion Ratio Lower Upper
128 100
127 12.3 9.8 14.8
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 60.112 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061888.D
Acq: 18 Apr 2019 23:50

Tgt Ion:180 Resp: 157921
Ion Ratio Lower Upper
180 100
182 96.3 47.0 141.0
145 30.3 17.0 51.0

