

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051719\
 Data File : VD062432.D
 Acq On : 17 May 2019 11:28
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: May 17 11:51:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	690169	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	951596	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	732213	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	385174	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	292217	45.56	ug/l	0.04
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	6.93	113	358939	45.46	ug/l	0.04
Spiked Amount	50.000		Recovery	=	90.92%	
50) Toluene-d8	10.42	98	737161	38.72	ug/l	0.02
Spiked Amount	50.000		Recovery	=	77.44%	
62) 4-Bromofluorobenzene	13.56	95	339763	44.45	ug/l	0.01
Spiked Amount	50.000		Recovery	=	88.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	313029	47.422	ug/l	100
3) Chloromethane	1.75	50	186914	39.188	ug/l	100
4) Vinyl Chloride	1.86	62	222917	47.556	ug/l	98
5) Bromomethane	2.15	94	81895	74.561	ug/l	95
6) Chloroethane	2.26	64	110394	56.125	ug/l	92
7) Trichlorofluoromethane	2.54	101	557803	61.208	ug/l	98
8) Diethyl Ether	2.88	74	68690	39.082	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.16	101	345196	50.073	ug/l	96
10) Methyl Iodide	3.31	142	453987	43.573	ug/l	89
11) Tert butyl alcohol	4.08	59	86706	264.839	ug/l	96
12) 1,1-Dichloroethene	3.13	96	258785	49.176	ug/l	89
13) Acrolein	3.04	56	71379	210.792	ug/l	97
14) Allyl chloride	3.63	41	371415	48.541	ug/l #	78
15) Acrylonitrile	4.20	53	212925	247.434	ug/l	94
16) Acetone	3.22	43	380986	283.251	ug/l #	82
17) Carbon Disulfide	3.38	76	617520	40.792	ug/l	100
18) Methyl Acetate	3.65	43	121709	50.598	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	589628	52.273	ug/l	96
20) Methylene Chloride	3.83	84	259130	46.141	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	294725	50.330	ug/l	89
22) Diisopropyl ether	5.13	45	845752	51.943	ug/l	94
23) Vinyl Acetate	5.07	43	2393725	278.641	ug/l	97
24) 1,1-Dichloroethane	5.00	63	492205	50.110	ug/l	96
25) 2-Butanone	6.08	43	412524	281.179	ug/l	97
26) 2,2-Dichloropropane	6.03	77	588527	60.150	ug/l	93
27) cis-1,2-Dichloroethene	6.05	96	332825	50.777	ug/l	95
28) Bromochloromethane	6.45	49	236026	61.075	ug/l	91
29) Tetrahydrofuran	6.47	42	171505	253.709	ug/l	96
30) Chloroform	6.68	83	648607	54.791	ug/l	97
31) Cyclohexane	6.96	56	328185	48.769	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	639059	57.115	ug/l	100
36) 1,1-Dichloropropene	7.16	75	430765	55.211	ug/l	95
37) Ethyl Acetate	6.19	43	168203	50.835	ug/l #	90
38) Carbon Tetrachloride	7.12	117	723760	67.022	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	373093	49.909	ug/l	94
40) Benzene	7.47	78	839638	47.657	ug/l	99
41) Methacrylonitrile	6.45	41	226400	55.991	ug/l #	88
42) 1,2-Dichloroethane	7.59	62	438231	58.708	ug/l	93
43) Isopropyl Acetate	9.25	43	244281	52.056	ug/l	90
44) Trichloroethene	8.55	130	373410	55.620	ug/l	91
45) 1,2-Dichloropropane	8.95	63	216221	49.616	ug/l	98
46) Dibromomethane	9.07	93	189432	53.455	ug/l	94
47) Bromodichloromethane	9.39	83	492281	56.792	ug/l	98
48) Methyl methacrylate	9.13	41	159328	55.122	ug/l #	85
49) 1,4-Dioxane	9.10	88	33579	1076.709	ug/l	91
51) 4-Methyl-2-Pentanone	10.31	43	816719	270.755	ug/l	92
52) Toluene	10.52	92	535308	46.698	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	436856	58.312	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	467153	57.159	ug/l #	86
55) 1,1,2-Trichloroethane	11.21	97	216422	53.359	ug/l	95
56) Ethyl methacrylate	11.05	69	230468	54.682	ug/l #	81
57) 1,3-Dichloropropane	11.42	76	314342	51.300	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	621985	270.167	ug/l	100
59) 2-Hexanone	11.54	43	632074	284.303	ug/l	91
60) Dibromochloromethane	11.70	129	392223	55.956	ug/l	98
61) 1,2-Dibromoethane	11.82	107	258680	52.459	ug/l	99
64) Tetrachloroethene	11.26	164	301704	52.694	ug/l	96
65) Chlorobenzene	12.41	112	677725	49.695	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	339773	57.246	ug/l	93
67) Ethyl Benzene	12.53	91	1207716	52.897	ug/l	95
68) m/p-Xylenes	12.68	106	899382	108.273	ug/l	90
69) o-Xylene	13.06	106	424682	54.992	ug/l	86
70) Styrene	13.08	104	682591	52.177	ug/l #	92
71) Bromoform	13.24	173	245286	59.400	ug/l #	96
73) Isopropylbenzene	13.41	105	1315604	56.981	ug/l	97
74) N-amyl acetate	13.27	43	321834	53.166	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	224147	51.281	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	248915	54.378	ug/l	98
77) Bromobenzene	13.68	156	337516	52.220	ug/l	90
78) n-propylbenzene	13.78	91	1560431	56.656	ug/l	97
79) 2-Chlorotoluene	13.84	91	899861	57.048	ug/l	87
80) 1,3,5-Trimethylbenzene	13.94	105	1082503	55.677	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	71859	55.608	ug/l #	77
82) 4-Chlorotoluene	13.95	91	1018750	54.884	ug/l	84
83) tert-Butylbenzene	14.20	119	1276879	58.430	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	1070876	54.887	ug/l	92
85) sec-Butylbenzene	14.37	105	1236840	51.621	ug/l	98
86) p-Isopropyltoluene	14.49	119	1259159	58.821	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	603617	51.124	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	611320	52.695	ug/l	99
89) n-Butylbenzene	14.81	91	1189273	61.896	ug/l	96
90) Hexachloroethane	15.01	117	326057	56.009	ug/l	87
91) 1,2-Dichlorobenzene	14.82	146	567799	58.393	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	39575	55.157	ug/l	95

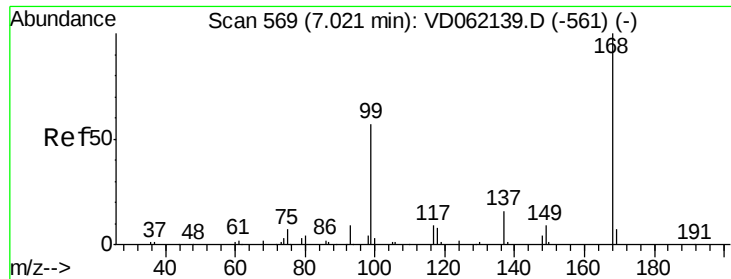
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD051719\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	443735	62.696	ug/l	96
94) Hexachlorobutadiene	16.05	225	327832	62.278	ug/l	99
95) Naphthalene	16.13	128	632682	64.030	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	337721	75.893	ug/l	99

(#) = 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. 0.03 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

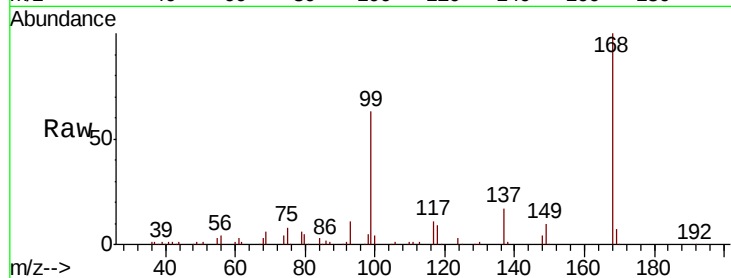
VSTDCCC050

Tgt Ion:168 Resp: 690169

Ion Ratio Lower Upper

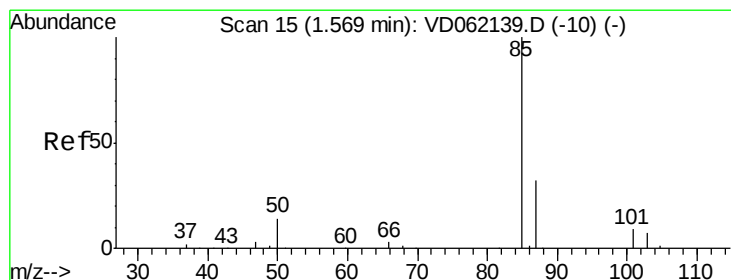
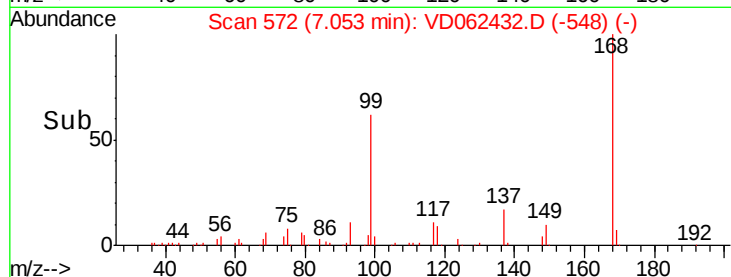
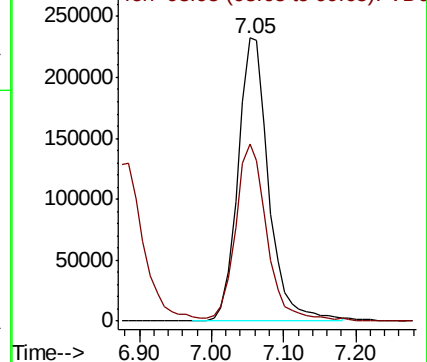
168 100

99 62.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.422 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062432.D

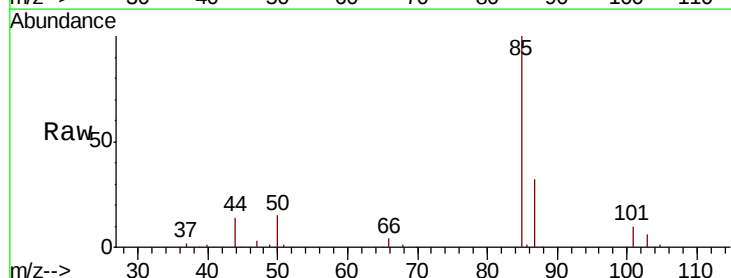
Acq: 17 May 2019 11:28

Tgt Ion: 85 Resp: 313029

Ion Ratio Lower Upper

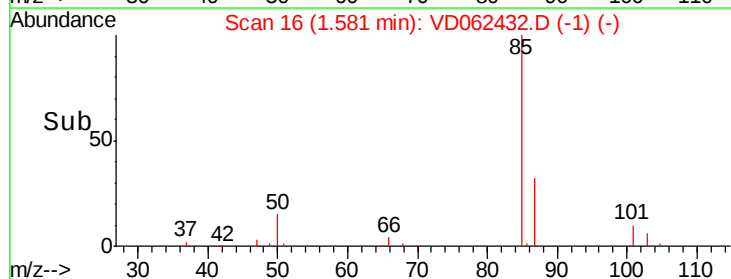
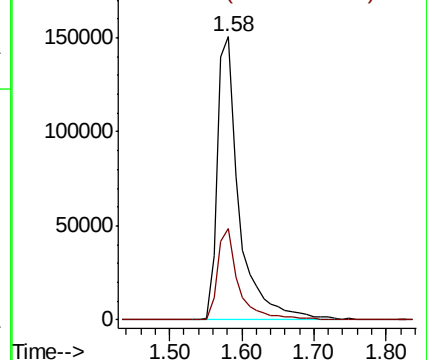
85 100

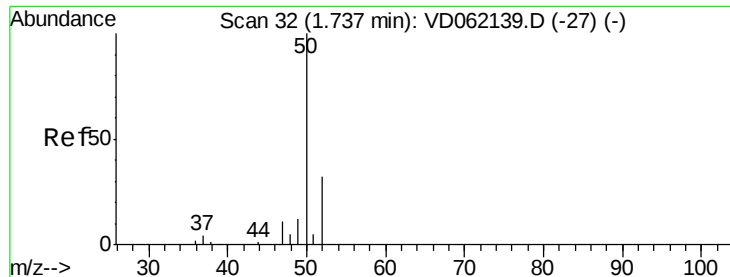
87 32.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.188 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

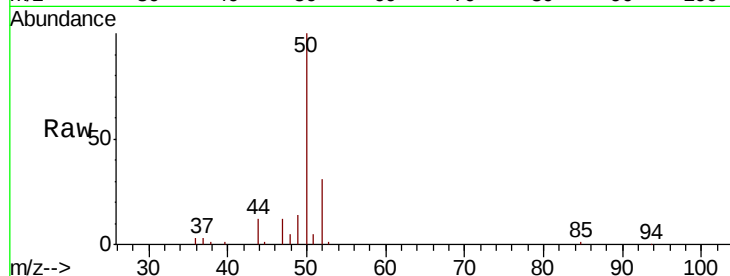
VSTDCCC050

Tgt Ion: 50 Resp: 186914

Ion Ratio Lower Upper

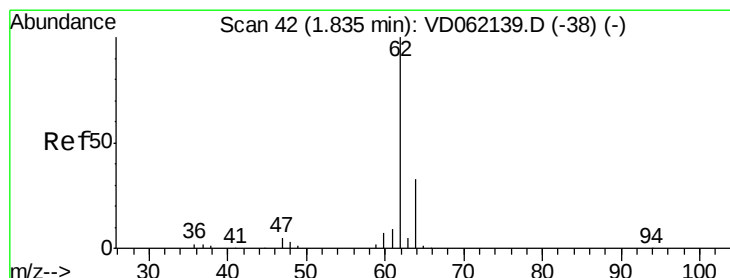
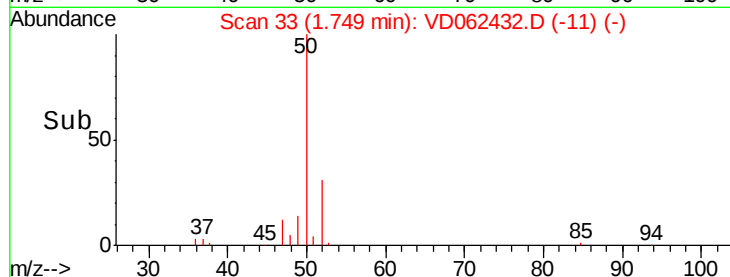
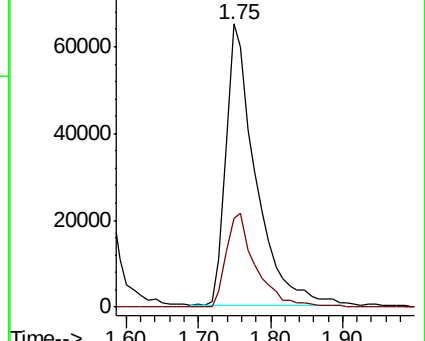
50 100

52 31.5 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: 47.556 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062432.D

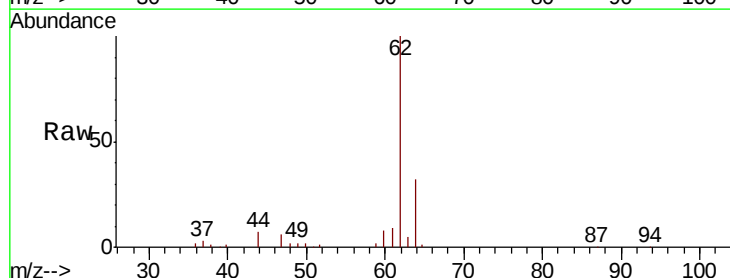
Acq: 17 May 2019 11:28

Tgt Ion: 62 Resp: 222917

Ion Ratio Lower Upper

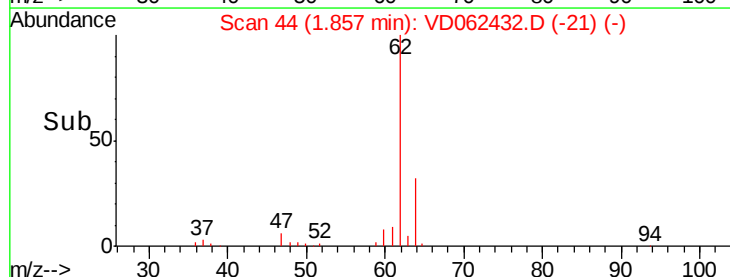
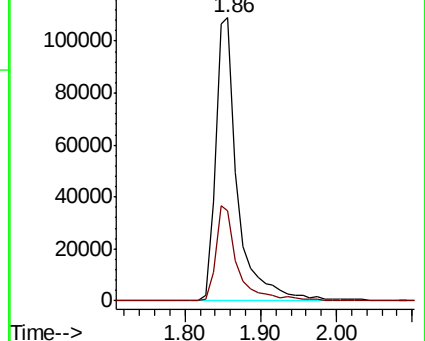
62 100

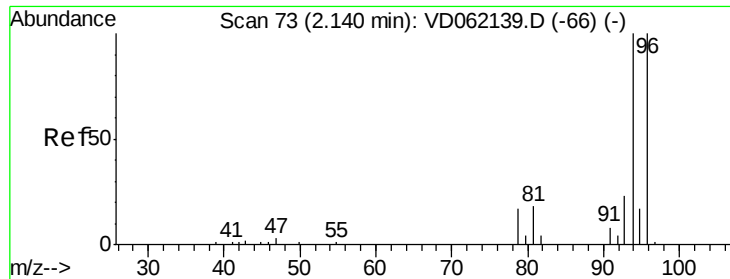
64 31.9 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 74.561 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

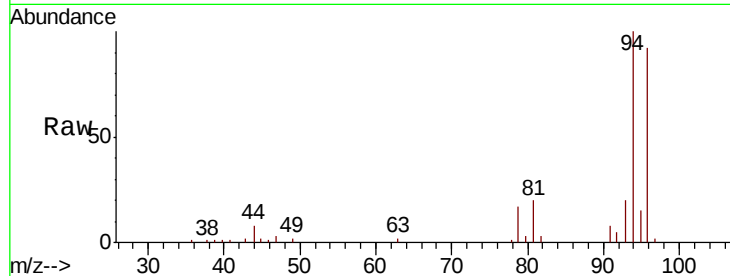
Tgt Ion: 94 Resp: 81895

Ion Ratio Lower Upper

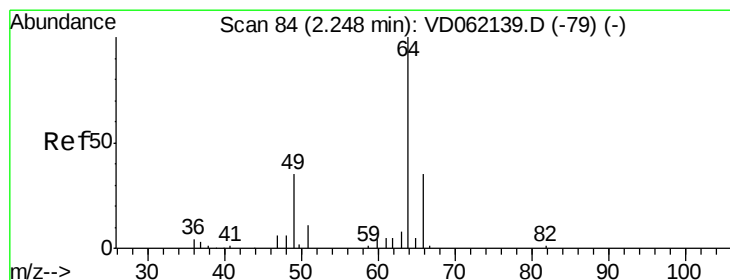
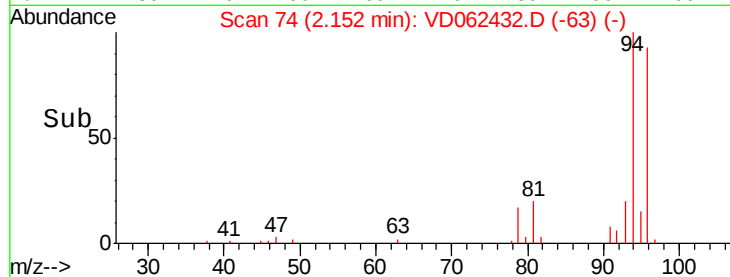
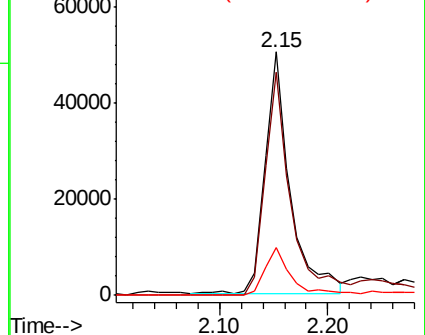
94 100

96 91.5 76.6 115.0

93 19.8 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: 56.125 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062432.D

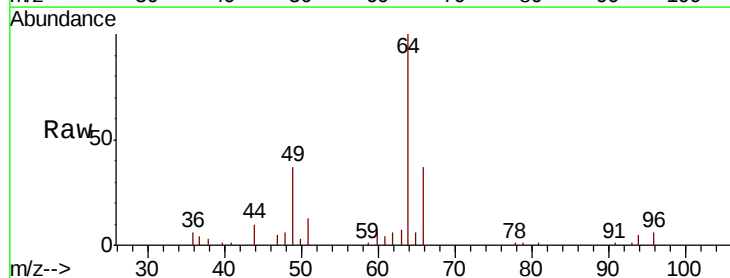
Acq: 17 May 2019 11:28

Tgt Ion: 64 Resp: 110394

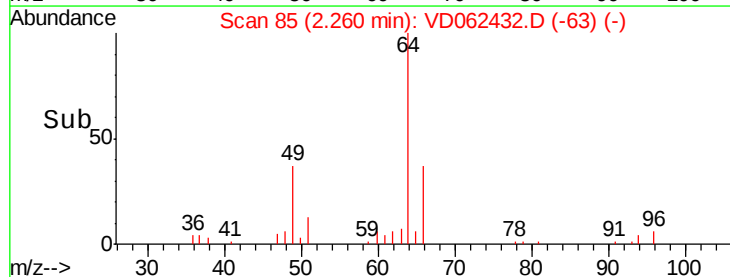
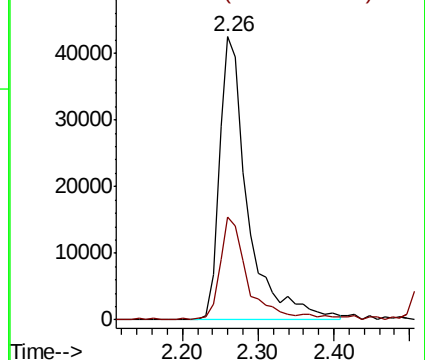
Ion Ratio Lower Upper

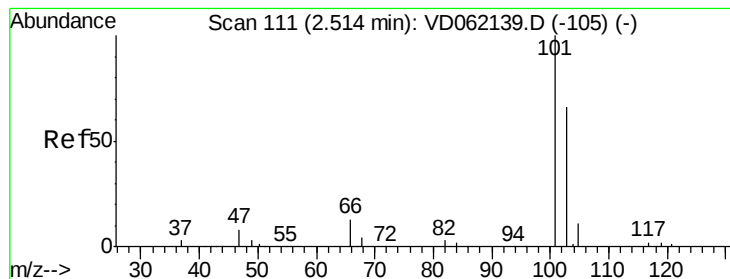
64 100

66 36.5 25.6 38.4



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



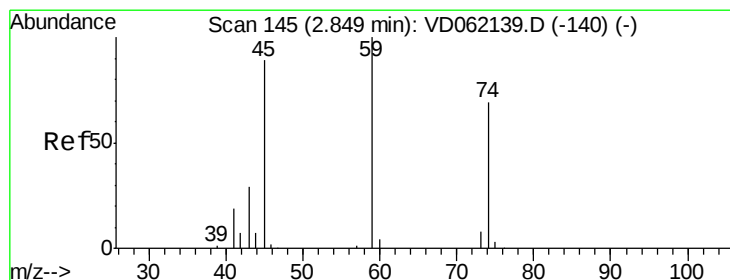
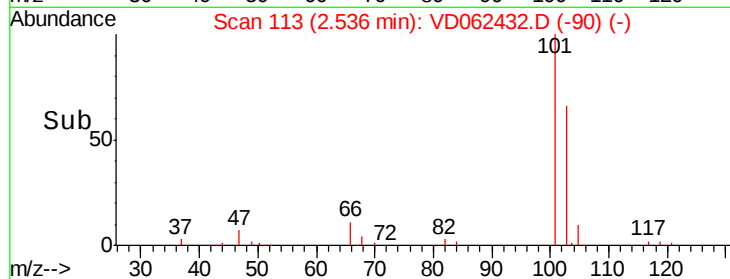
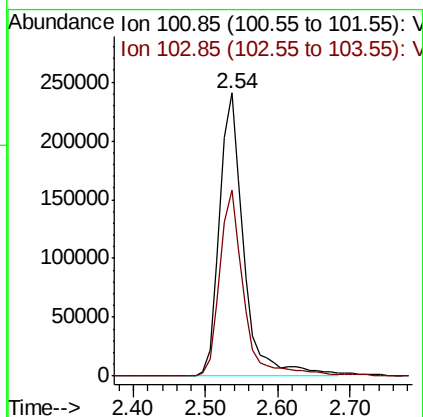
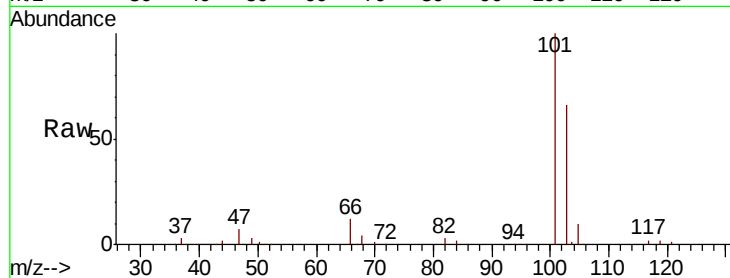


#7

Trichlorofluoromethane
 Concen: 61.208 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

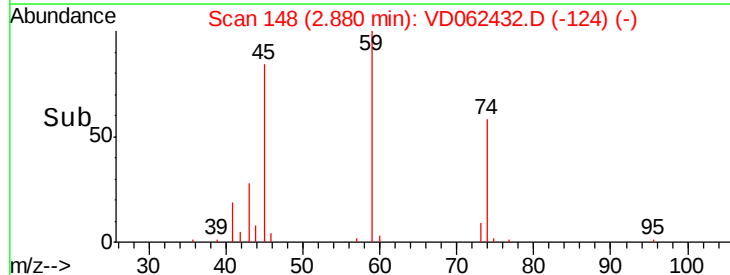
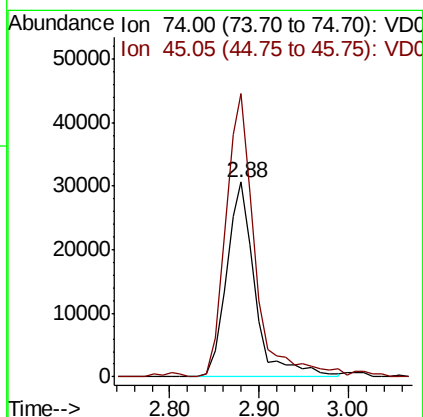
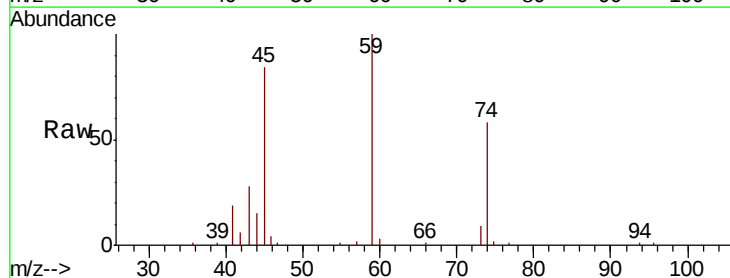
Tgt Ion: 101 Resp: 557803
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.6 80.4

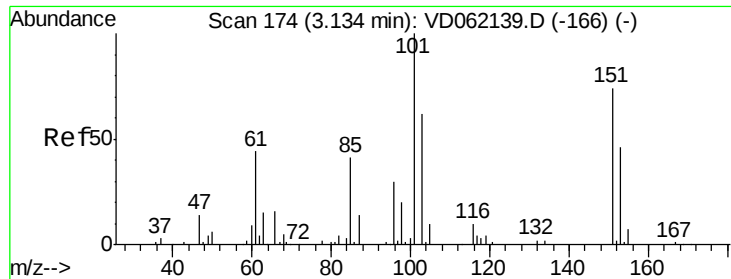


#8

Diethyl Ether
 Concen: 39.082 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Tgt Ion: 74 Resp: 68690
 Ion Ratio Lower Upper
 74 100
 45 145.3 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.073 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

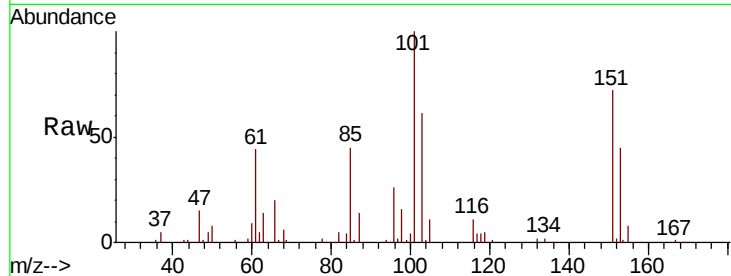
Tgt Ion:101 Resp: 345196

Ion Ratio Lower Upper

101 100

85 44.7 32.4 48.6

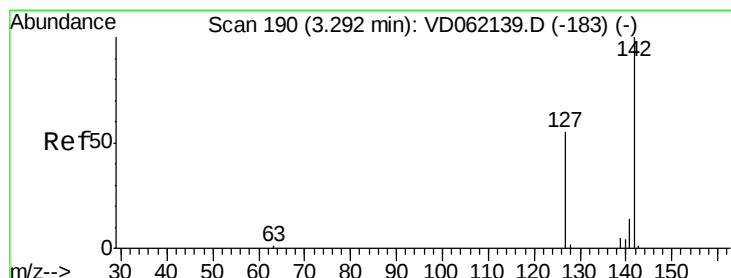
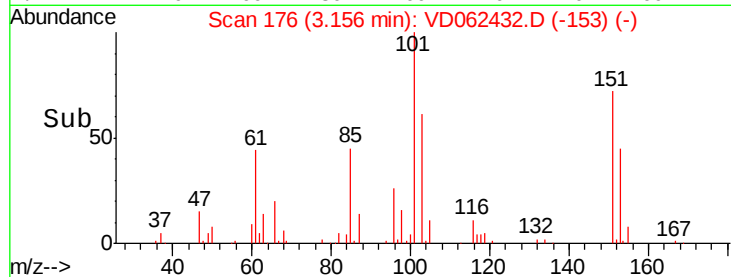
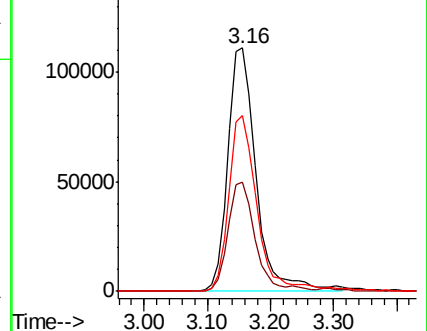
151 72.3 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 43.573 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

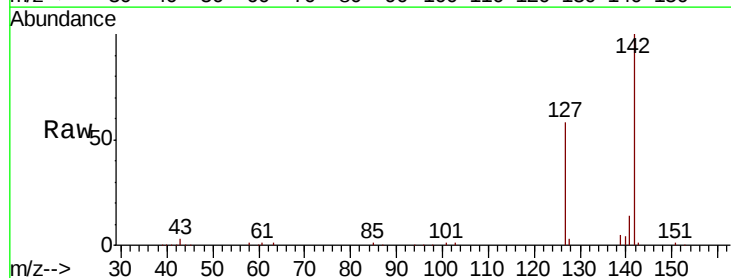
Tgt Ion:142 Resp: 453987

Ion Ratio Lower Upper

142 100

127 58.0 38.8 58.2

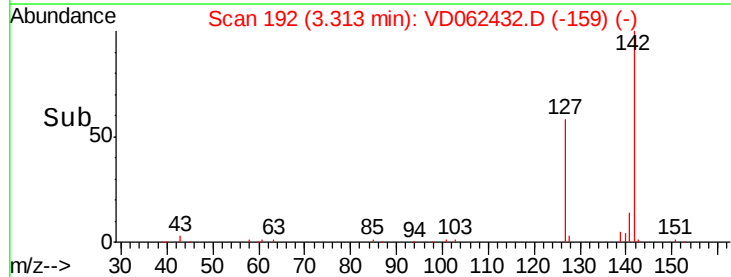
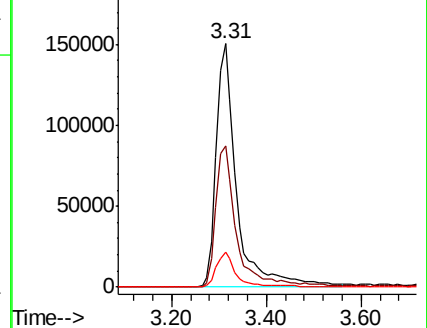
141 14.4 11.4 17.0

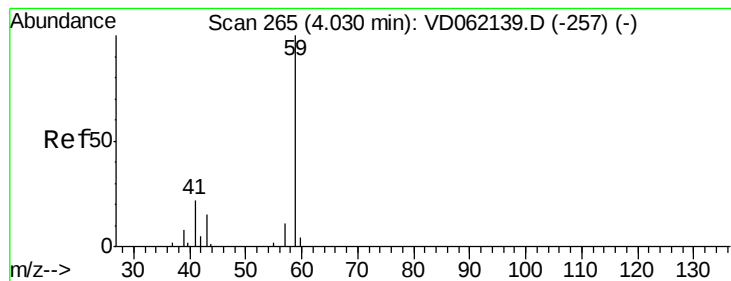


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



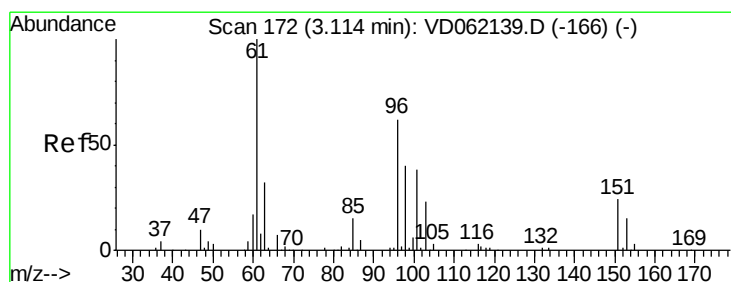
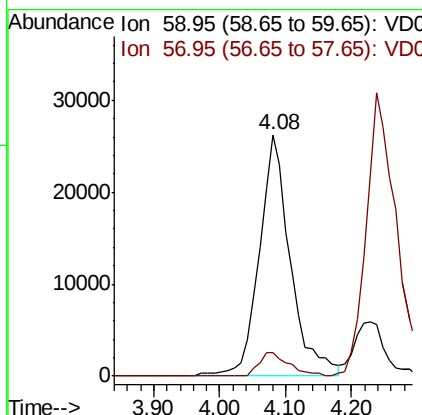
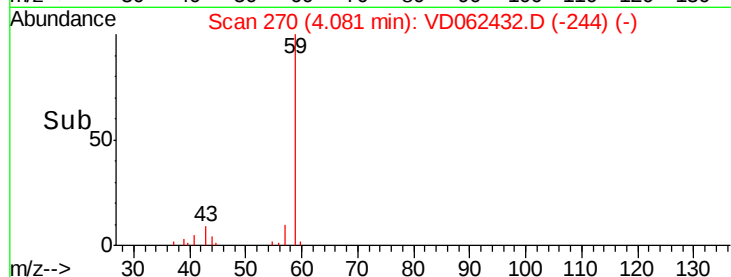
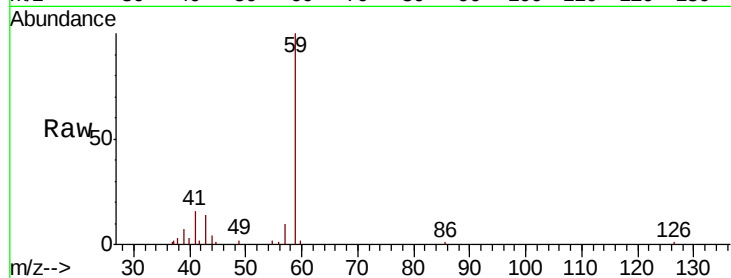


#11

Tert butyl alcohol
Concen: 264.839 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.05 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

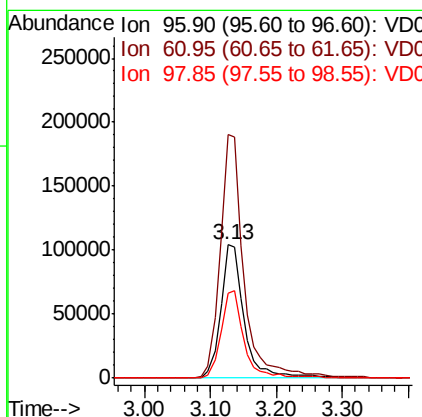
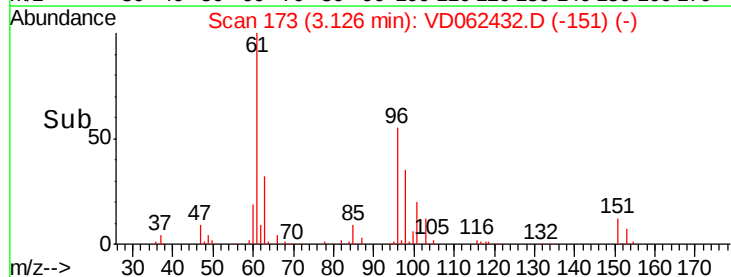
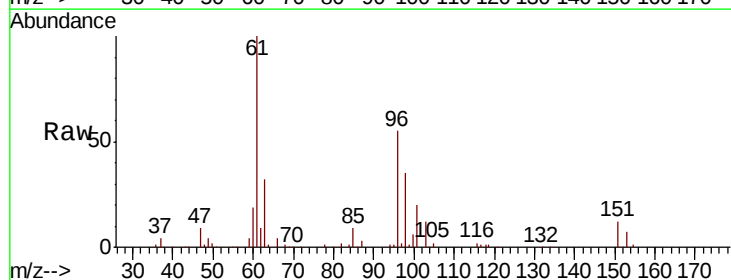
Tgt Ion: 59 Resp: 86706
Ion Ratio Lower Upper
59 100
57 9.9 6.9 10.3

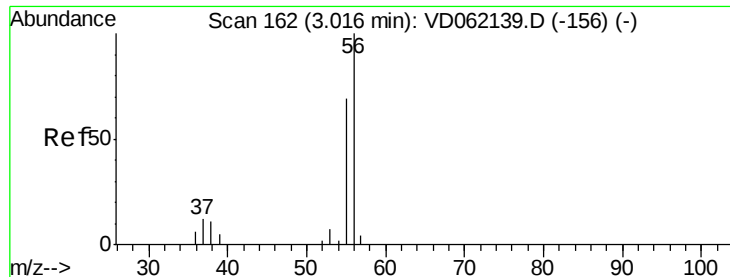


#12

1,1-Dichloroethene
Concen: 49.176 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion: 96 Resp: 258785
Ion Ratio Lower Upper
96 100
61 182.5 129.8 194.8
98 63.3 51.2 76.8

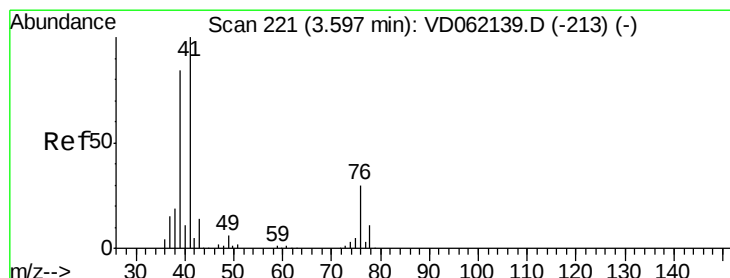
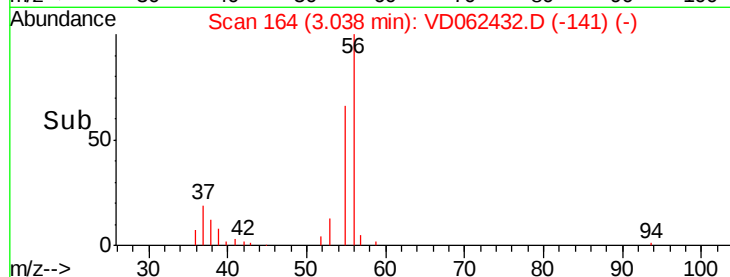
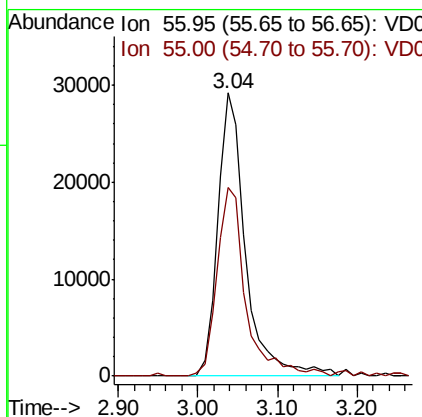
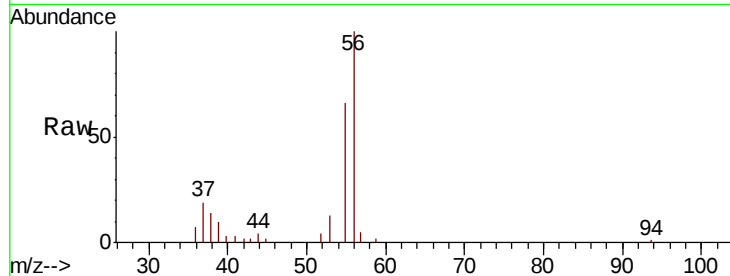




#13
Acrolein
Concen: 210.792 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

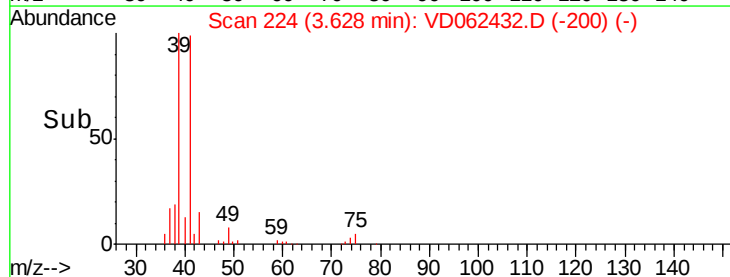
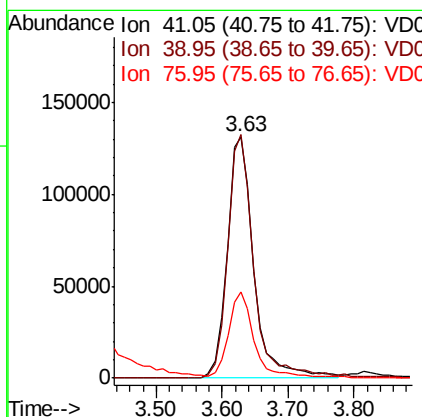
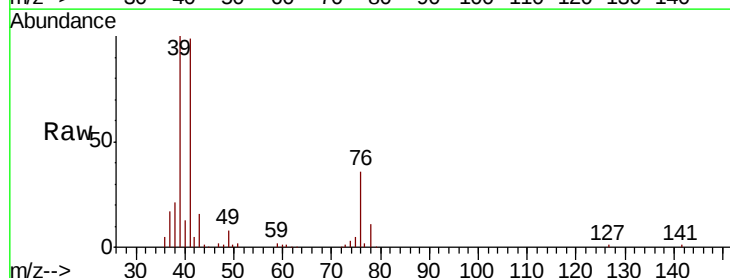
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 71379
Ion Ratio Lower Upper
56 100
55 66.4 51.4 77.2



#14
Allyl chloride
Concen: 48.541 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.03 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion: 41 Resp: 371415
Ion Ratio Lower Upper
41 100
39 100.9 60.5 90.7#
76 35.9 31.8 47.8

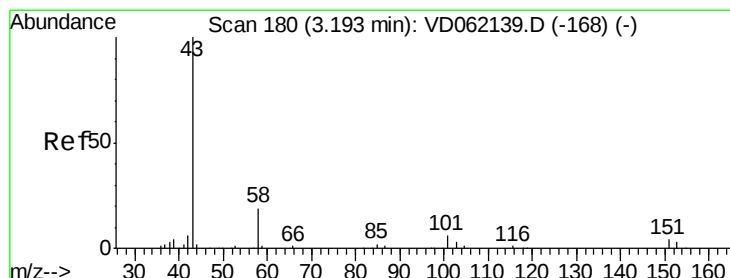
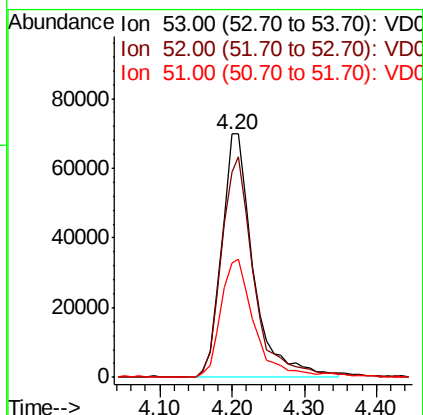
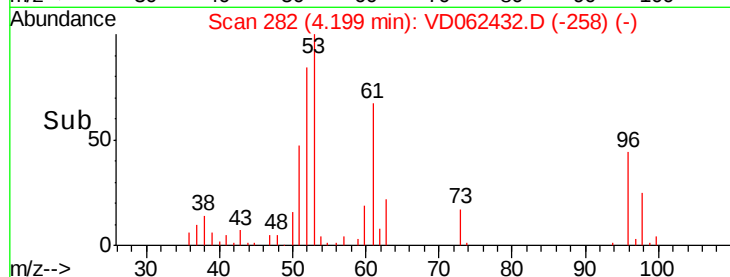
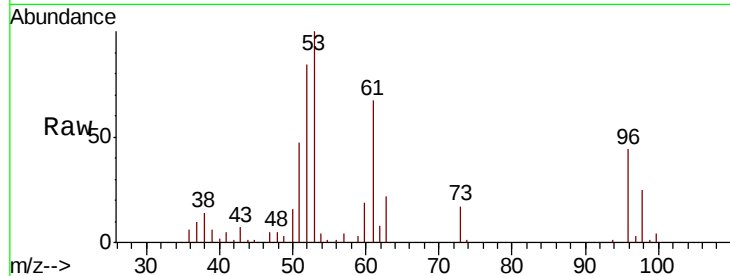




#15
 Acrylonitrile
 Concen: 247.434 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.03 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

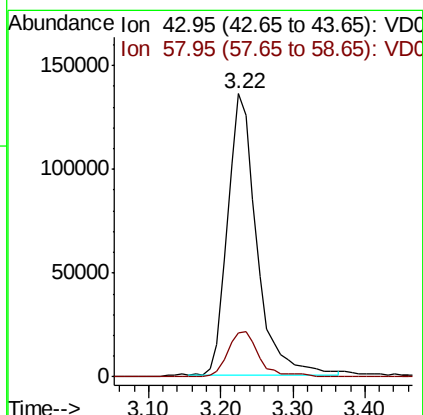
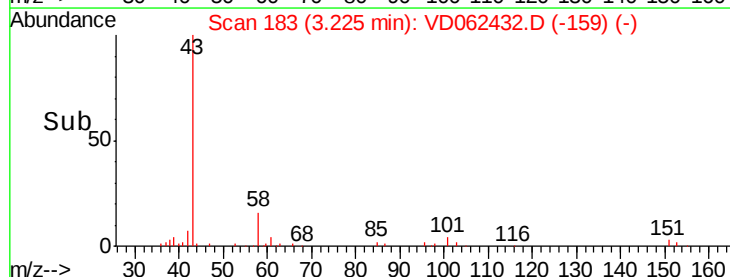
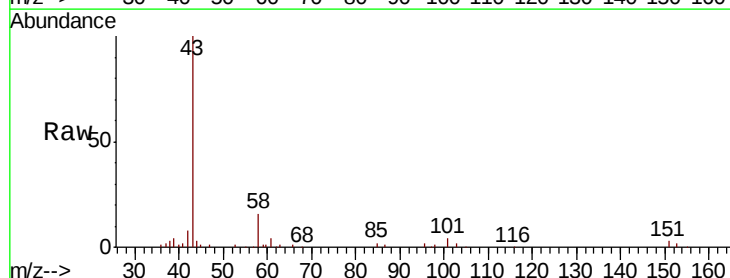
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

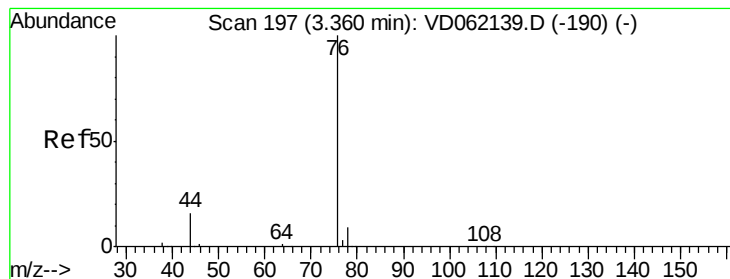
Tgt Ion: 53 Resp: 212925
 Ion Ratio Lower Upper
 53 100
 52 84.3 65.0 97.4
 51 47.1 32.6 48.8



#16
 Acetone
 Concen: 283.251 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. 0.03 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Tgt Ion: 43 Resp: 380986
 Ion Ratio Lower Upper
 43 100
 58 15.7 19.9 29.9#





#17

Carbon Disulfide

Concen: 40.792 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

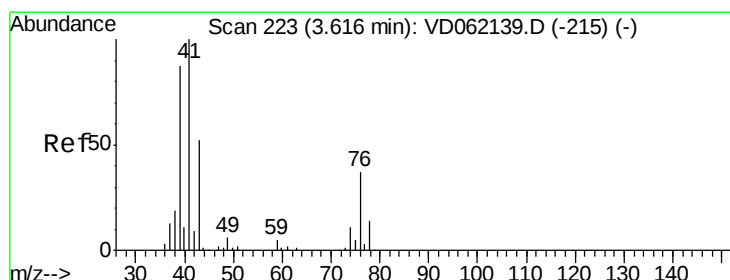
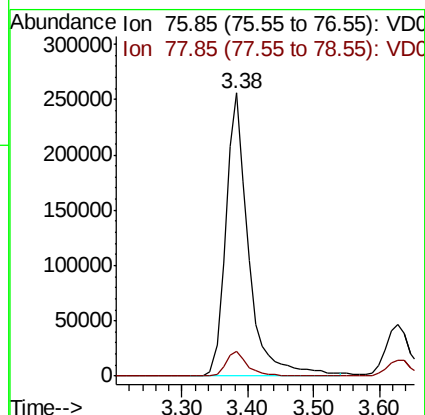
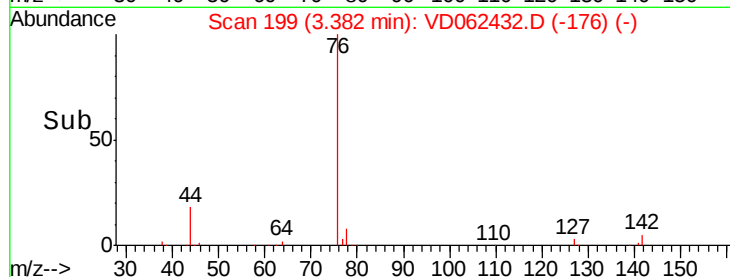
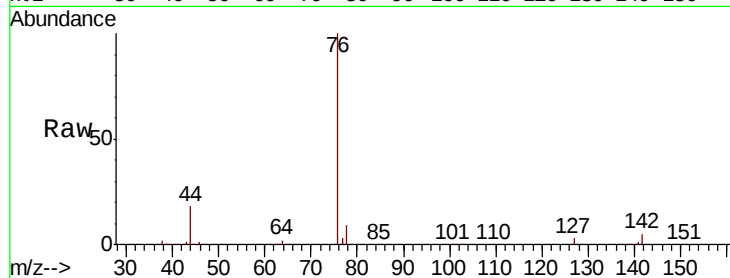
VSTDCCC050

Tgt Ion: 76 Resp: 617520

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



#18

Methyl Acetate

Concen: 50.598 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD062432.D

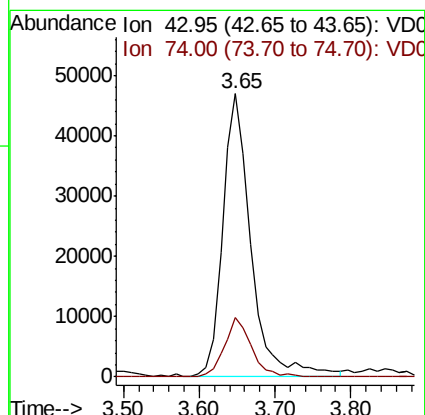
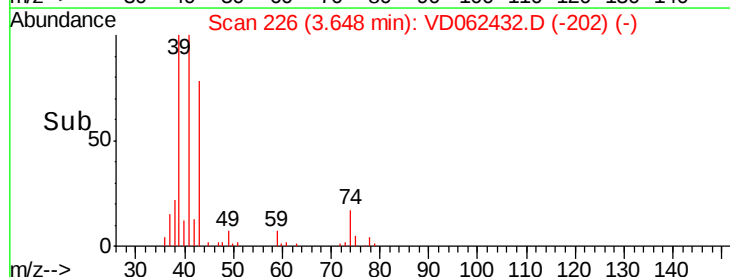
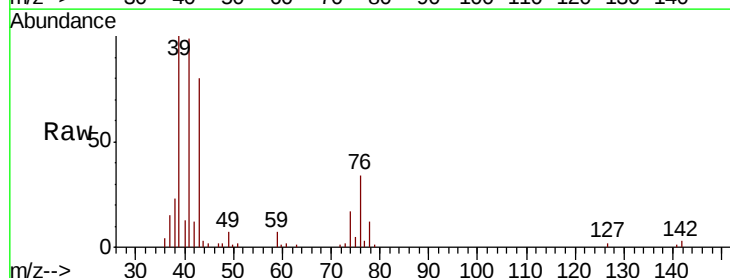
Acq: 17 May 2019 11:28

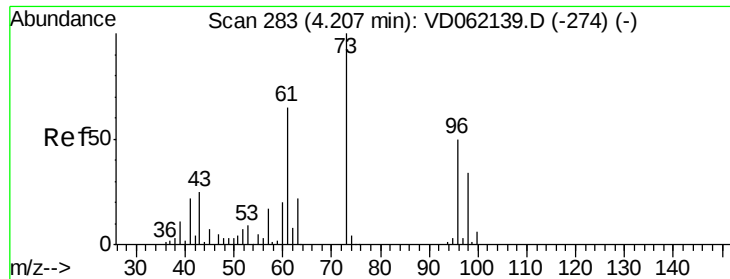
Tgt Ion: 43 Resp: 121709

Ion Ratio Lower Upper

43 100

74 20.9 18.0 27.0

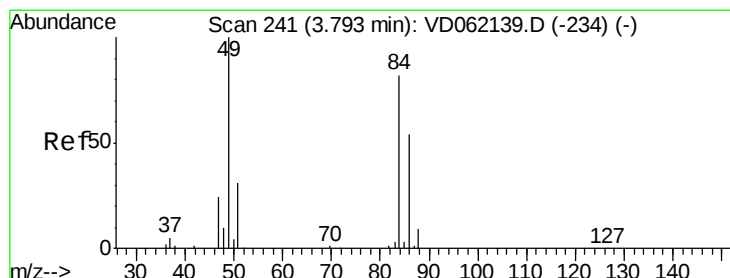
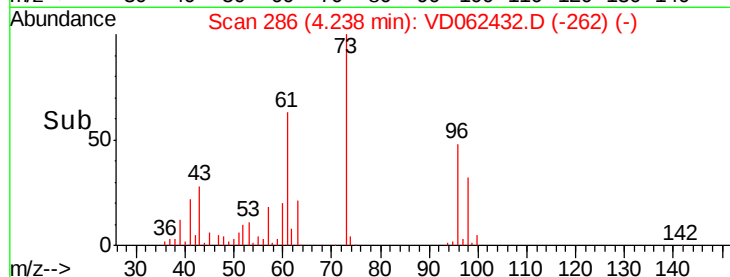
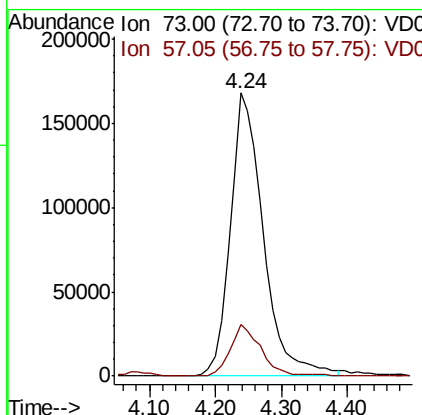
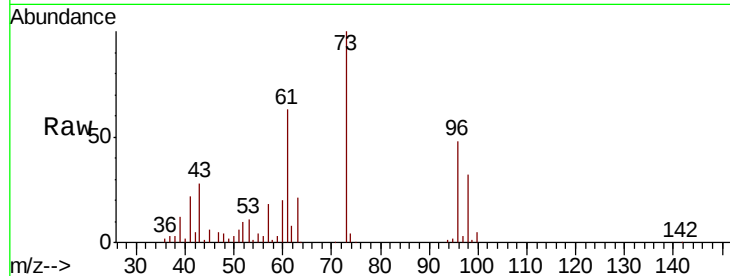




#19
Methyl tert-butyl Ether
Concen: 52.273 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.03 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

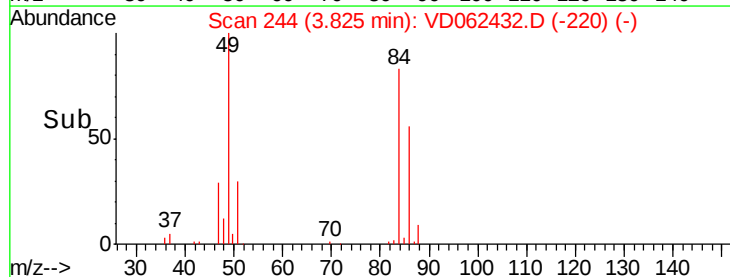
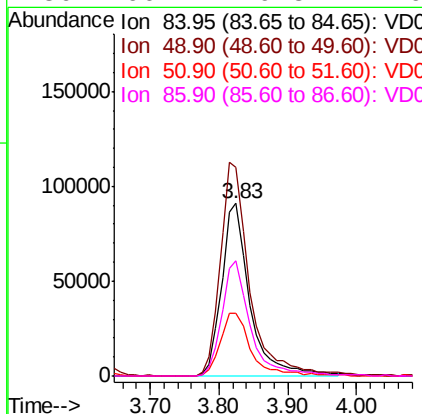
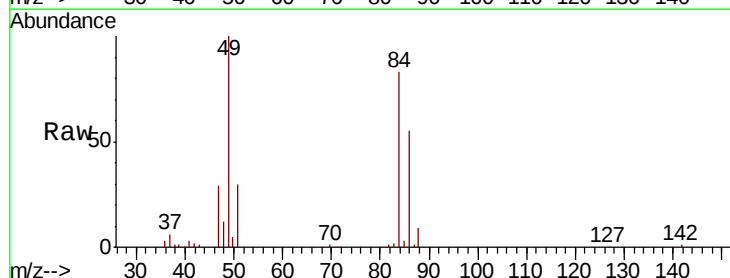
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

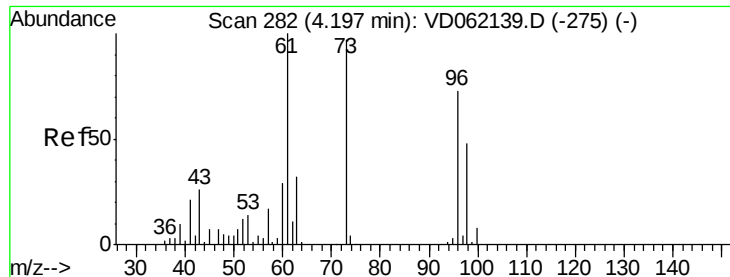
Tgt Ion: 73 Resp: 589628
Ion Ratio Lower Upper
73 100
57 18.3 16.3 24.5



#20
Methylene Chloride
Concen: 46.141 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion: 84 Resp: 259130
Ion Ratio Lower Upper
84 100
49 120.6 94.0 141.0
51 36.2 29.0 43.4
86 66.7 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 50.330 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

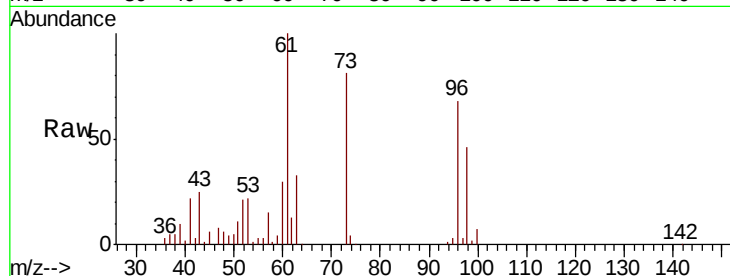
Tgt Ion: 96 Resp: 294725

Ion Ratio Lower Upper

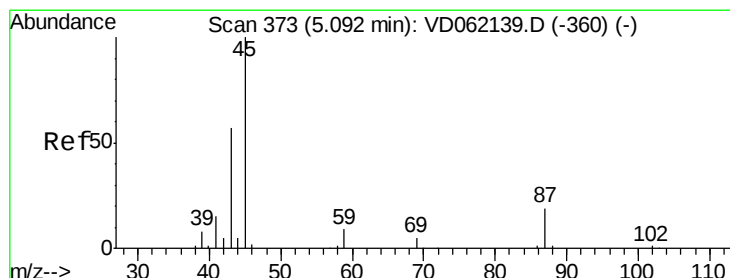
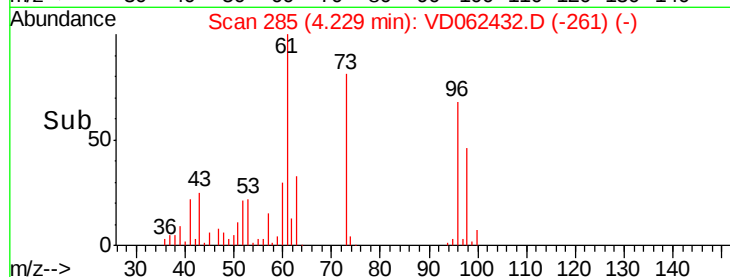
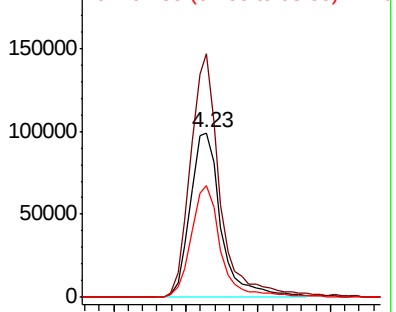
96 100

61 148.1 104.4 156.6

98 67.8 51.8 77.8



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



#22

Diisopropyl ether

Concen: 51.943 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Tgt Ion: 45 Resp: 845752

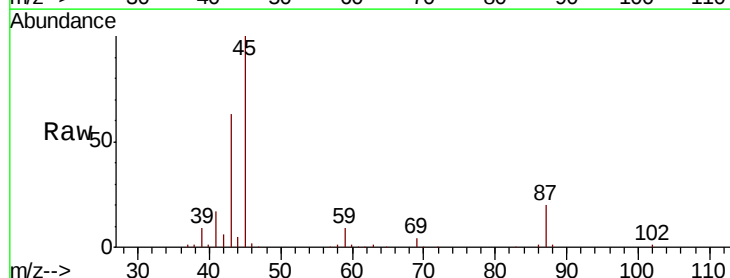
Ion Ratio Lower Upper

45 100

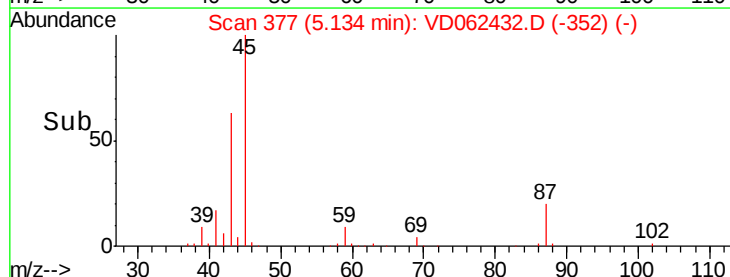
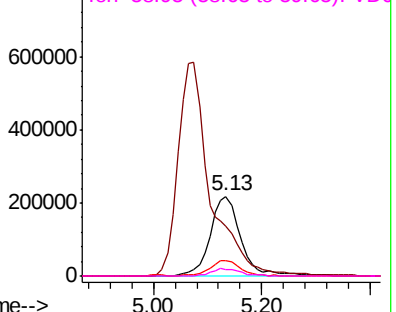
43 63.5 46.2 69.2

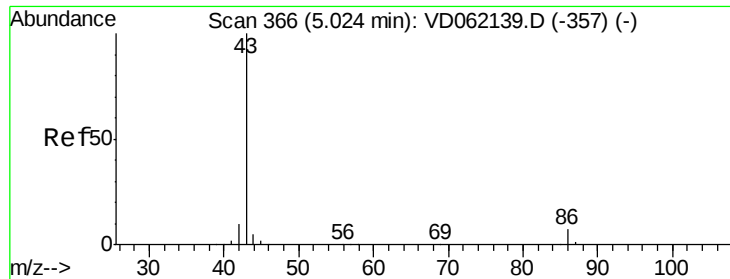
87 19.7 15.9 23.9

59 8.6 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 278.641 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

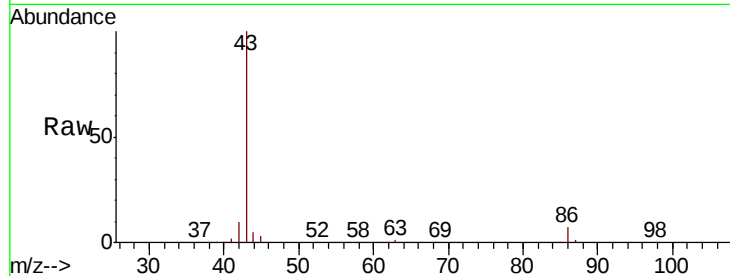
VSTDCCC050

Tgt Ion: 43 Resp: 2393725

Ion Ratio Lower Upper

43 100

86 6.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.07

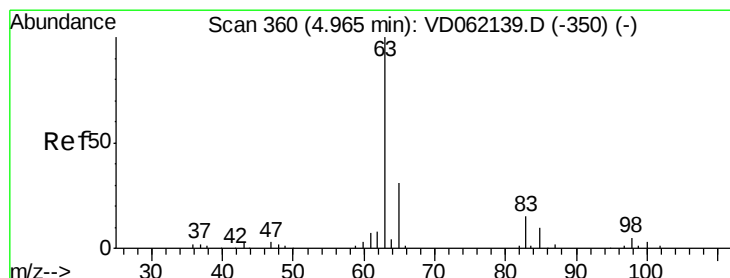
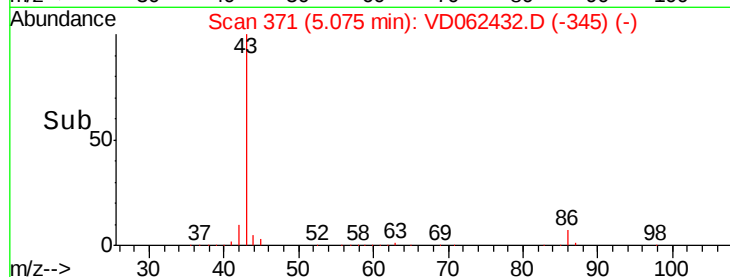
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.110 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

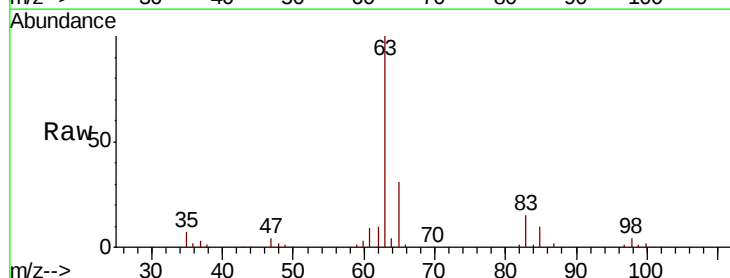
Tgt Ion: 63 Resp: 492205

Ion Ratio Lower Upper

63 100

98 4.2 2.8 8.4

100 2.2 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

5.00

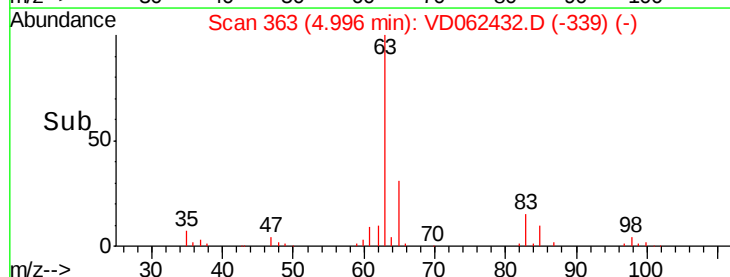
150000

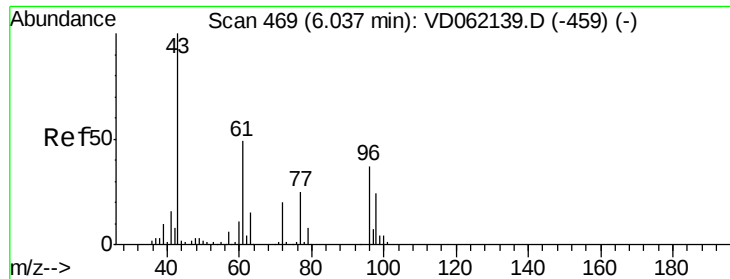
100000

50000

0

Time-->





#25

2-Butanone

Concen: 281.179 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

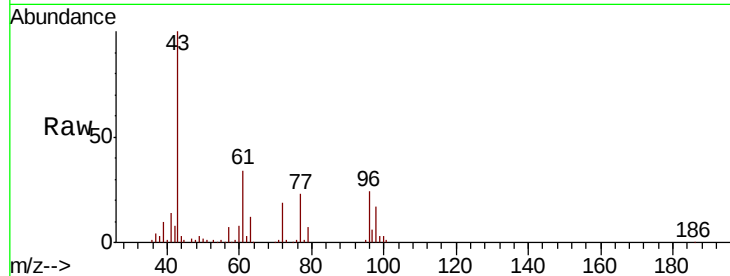
VSTDCCC050

Tgt Ion: 43 Resp: 412524

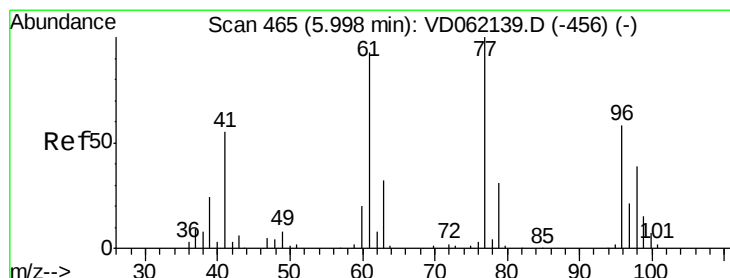
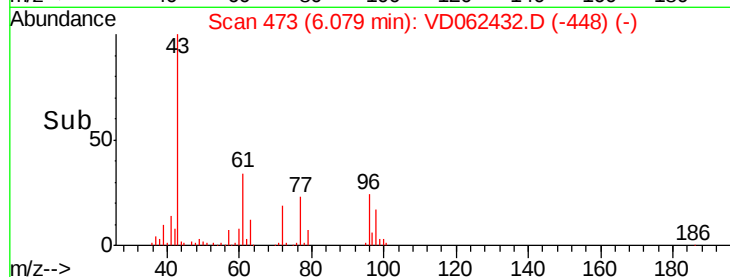
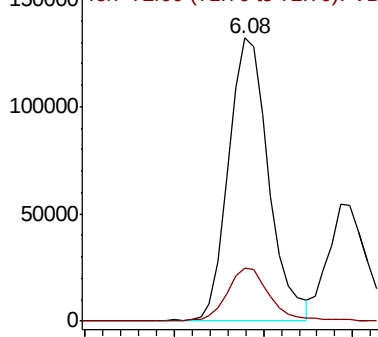
Ion Ratio Lower Upper

43 100

72 18.8 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: 60.150 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD062432.D

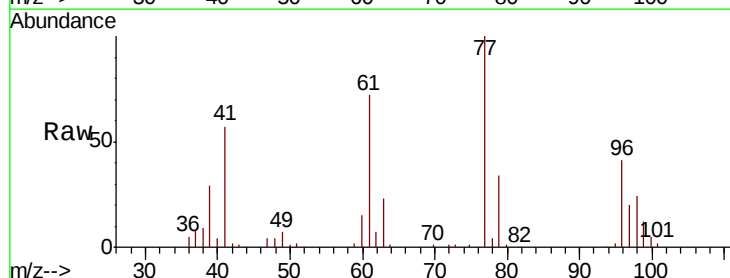
Acq: 17 May 2019 11:28

Tgt Ion: 77 Resp: 588527

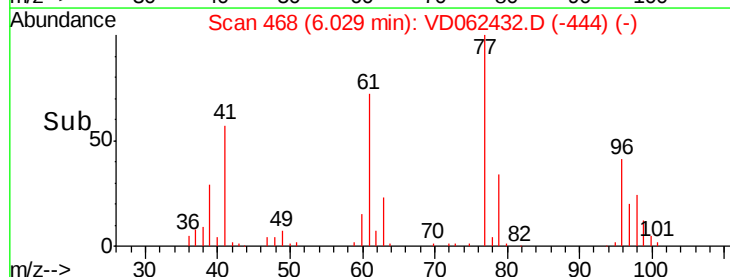
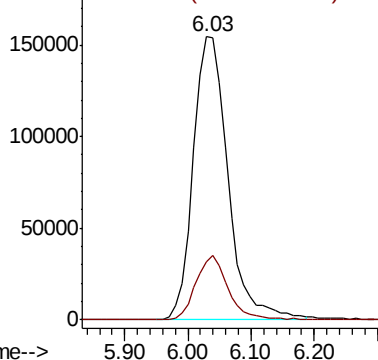
Ion Ratio Lower Upper

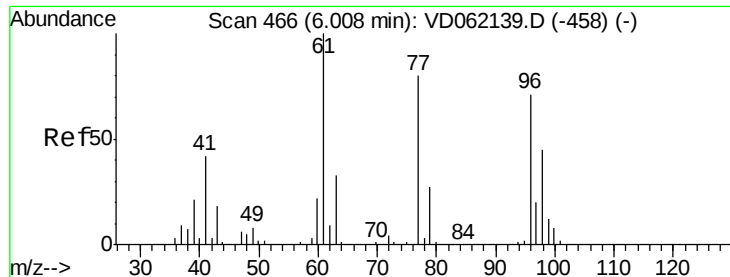
77 100

97 20.4 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



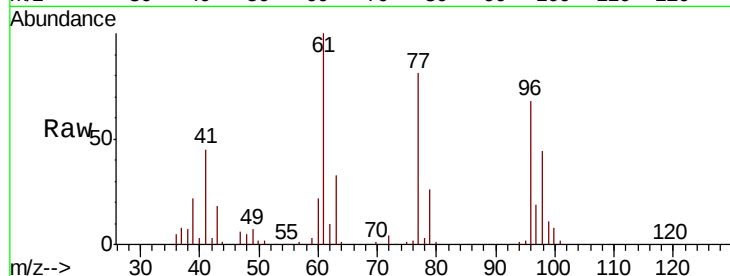


#27

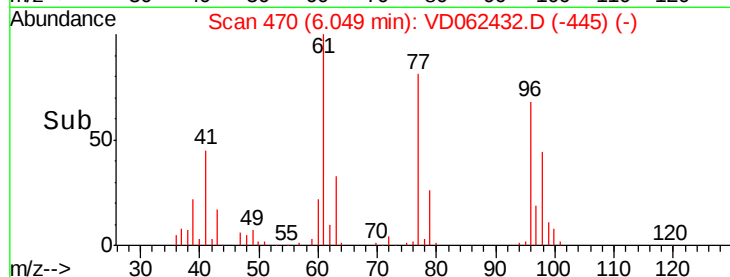
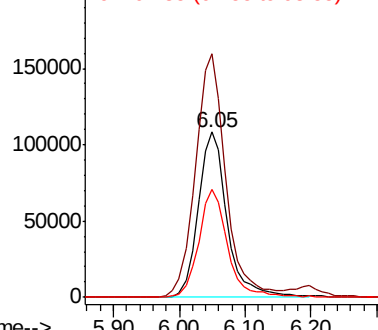
cis-1,2-Dichloroethene
Concen: 50.777 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 332825
Ion Ratio Lower Upper
96 100
61 147.3 0.0 279.8
98 65.0 0.0 136.0



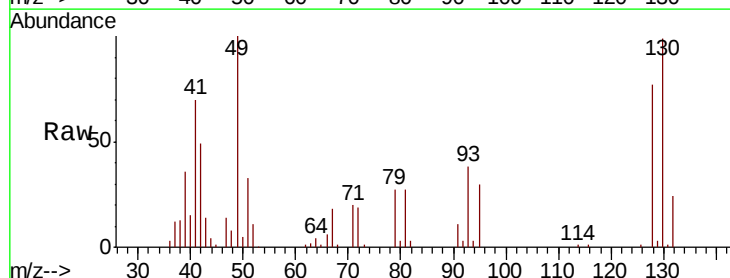
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



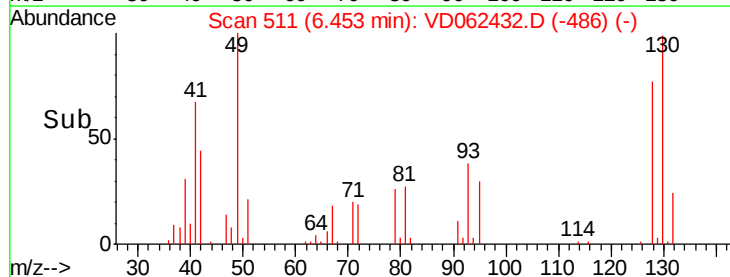
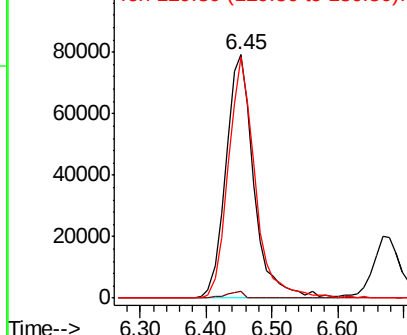
#28

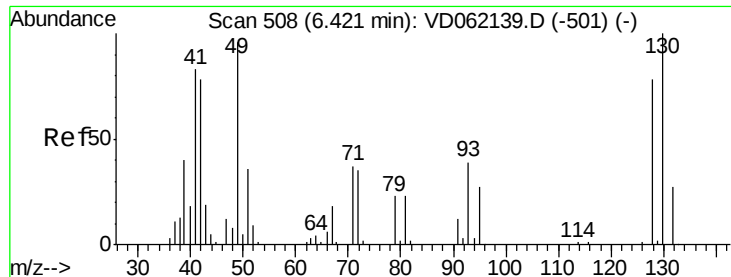
Bromochloromethane
Concen: 61.075 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion: 49 Resp: 236026
Ion Ratio Lower Upper
49 100
129 2.6 0.0 6.6
130 99.2 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

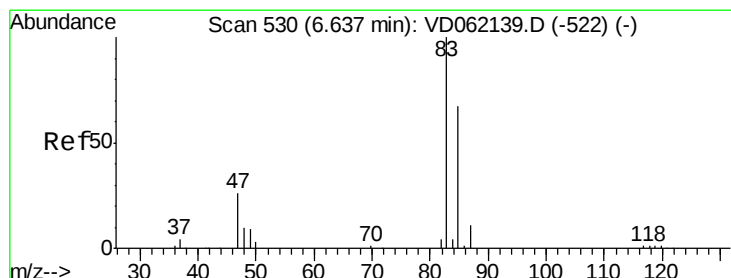
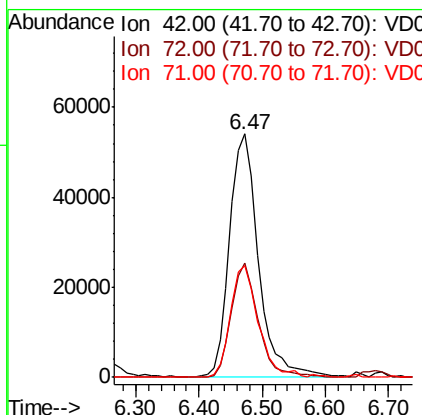
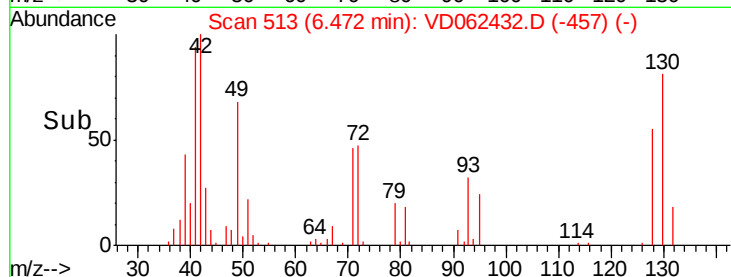
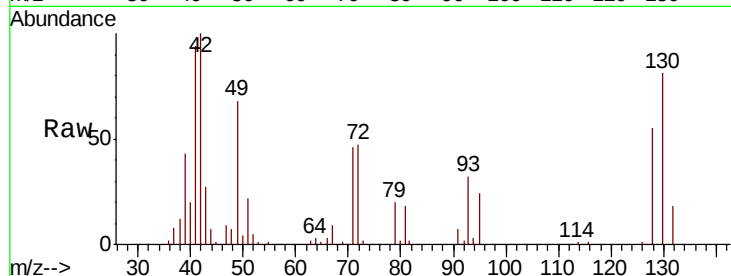




#29
Tetrahydrofuran
Concen: 253.709 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

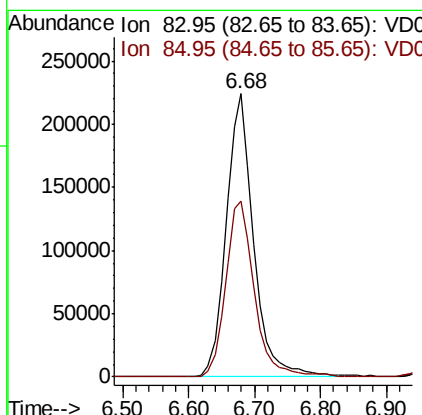
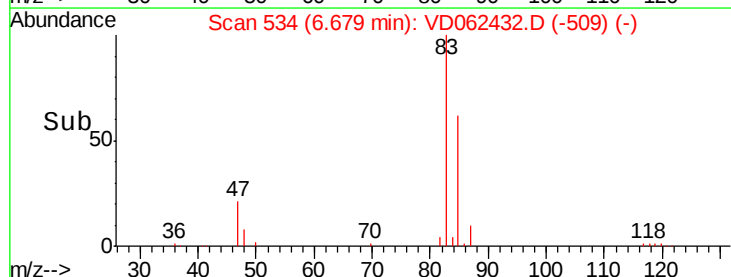
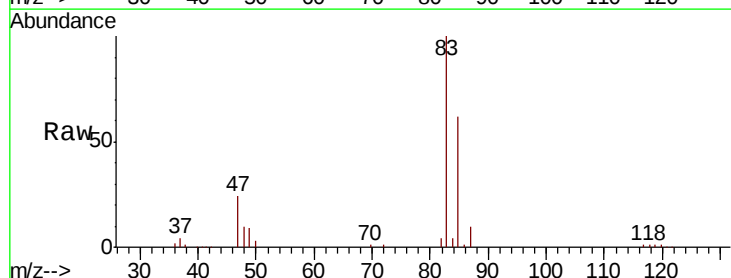
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

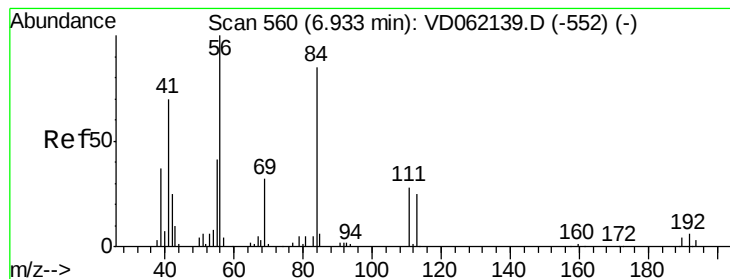
Tgt Ion: 42 Resp: 171505
Ion Ratio Lower Upper
42 100
72 43.6 37.8 56.6
71 43.7 36.7 55.1



#30
Chloroform
Concen: 54.791 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion: 83 Resp: 648607
Ion Ratio Lower Upper
83 100
85 62.3 51.7 77.5





#31

Cyclohexane

Concen: 48.769 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

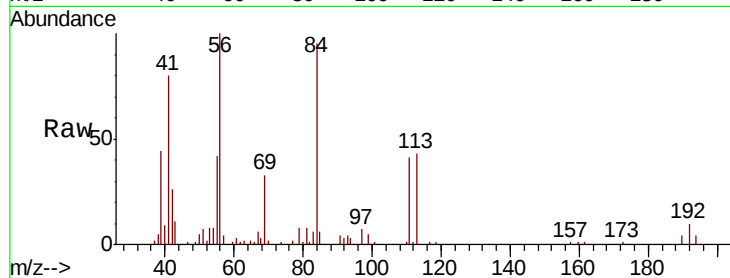
Tgt Ion: 56 Resp: 328185

Ion Ratio Lower Upper

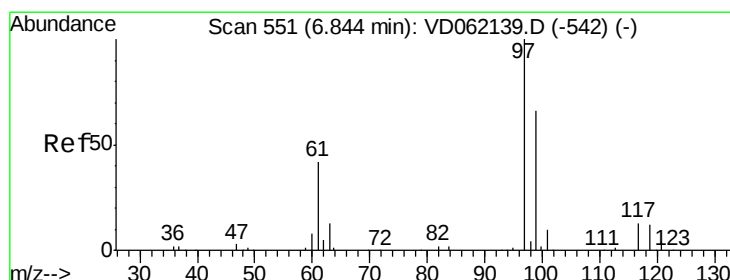
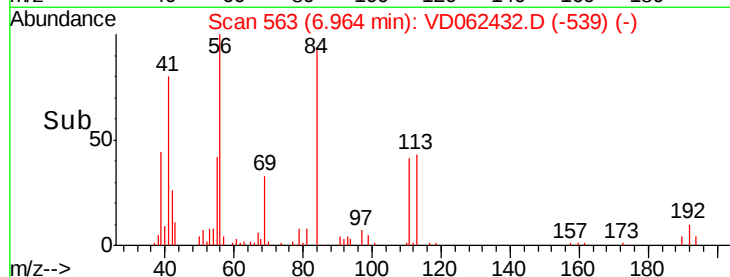
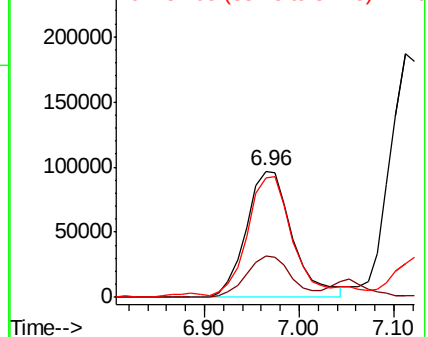
56 100

69 33.0 25.8 38.6

84 94.7 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 57.115 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.04 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

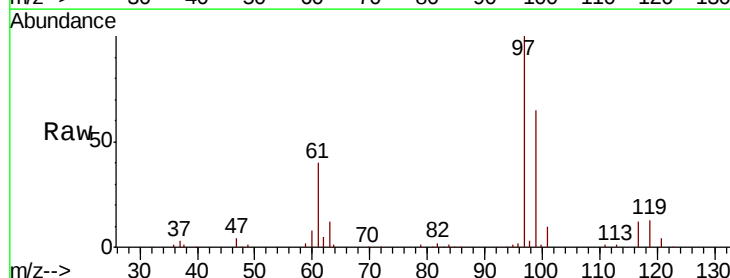
Tgt Ion: 97 Resp: 639059

Ion Ratio Lower Upper

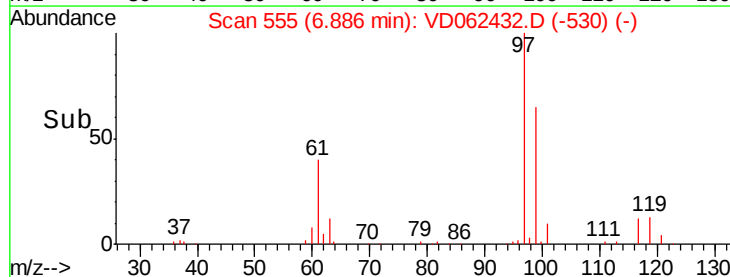
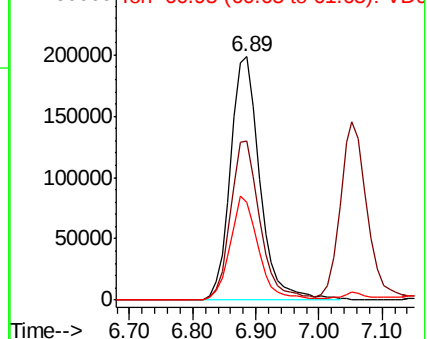
97 100

99 65.3 52.2 78.2

61 40.0 32.4 48.6



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

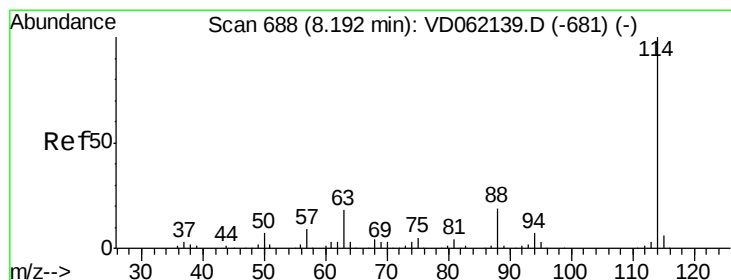
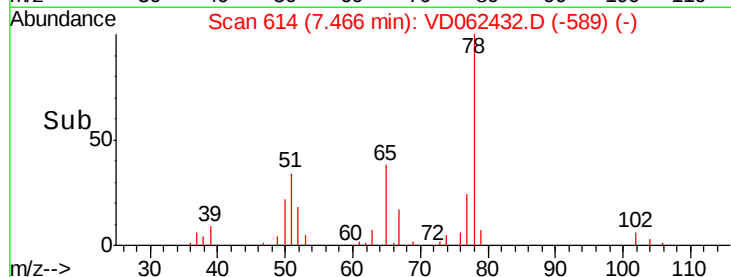
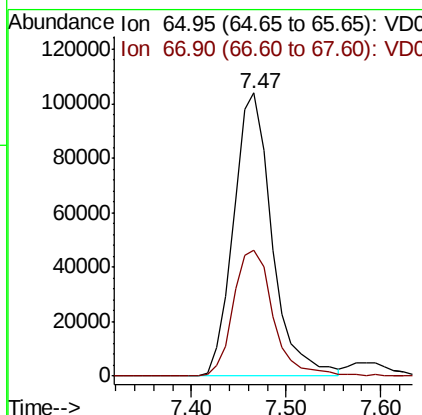
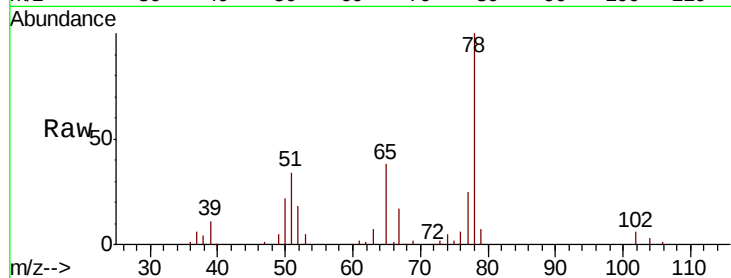




#33
 1,2-Dichloroethane-d4
 Concen: 45.560 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

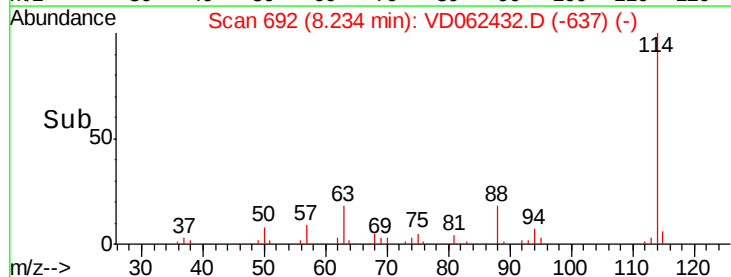
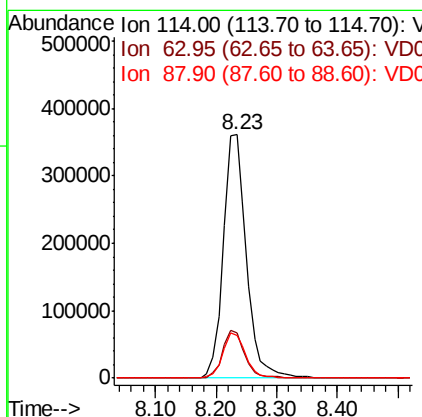
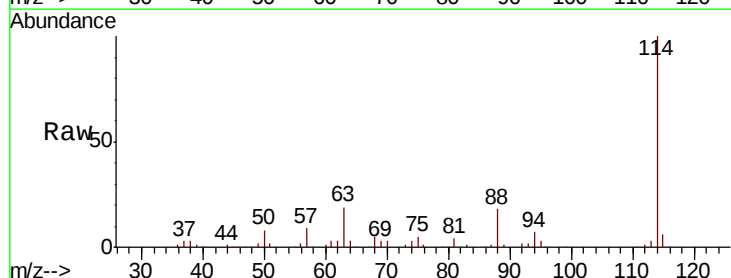
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

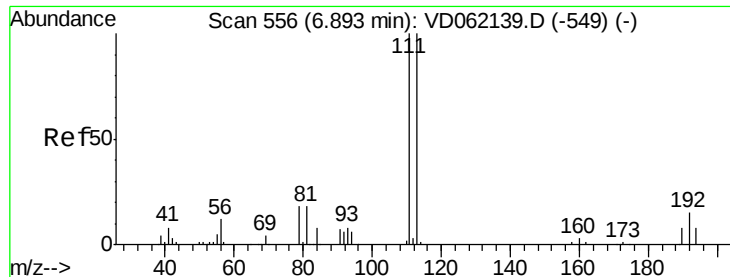
Tgt Ion: 65 Resp: 292217
 Ion Ratio Lower Upper
 65 100
 67 44.4 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Tgt Ion: 114 Resp: 951596
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 32.4
 88 17.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 45.461 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

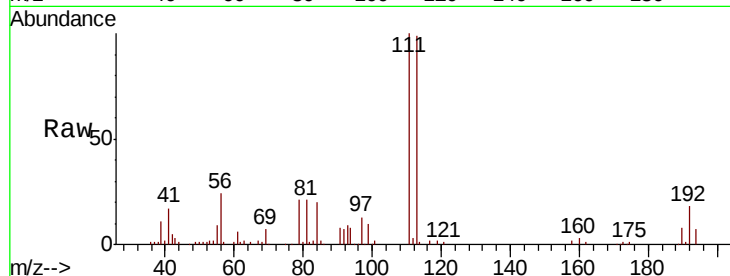
Tgt Ion:113 Resp: 358939

Ion Ratio Lower Upper

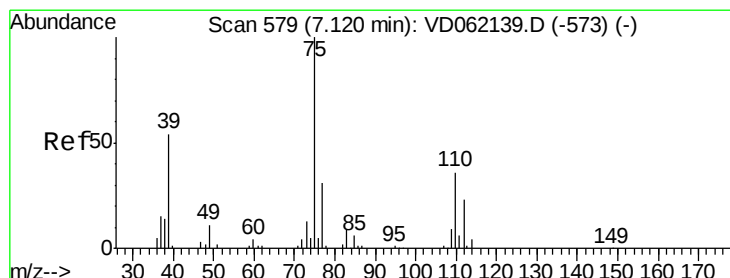
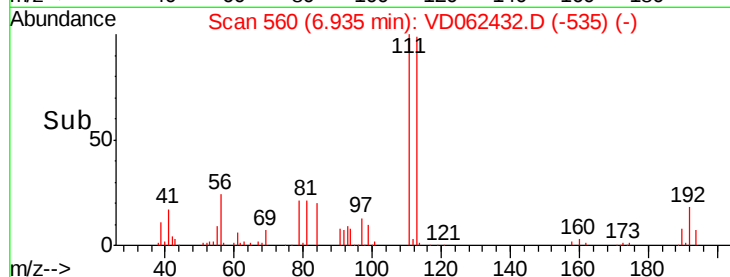
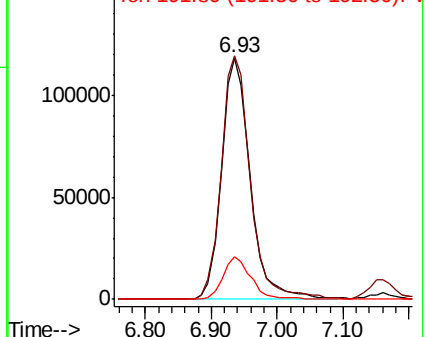
113 100

111 100.8 78.5 117.7

192 17.7 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: 55.211 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

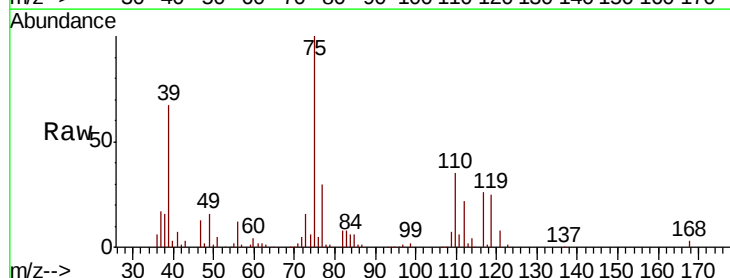
Tgt Ion: 75 Resp: 430765

Ion Ratio Lower Upper

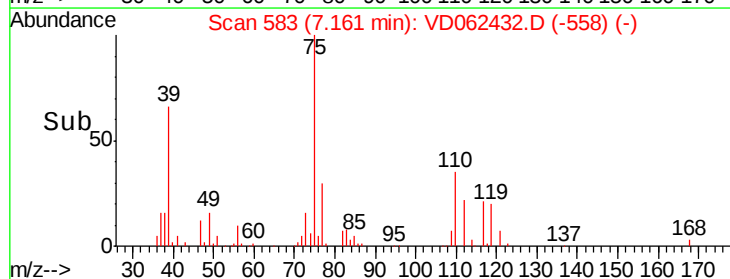
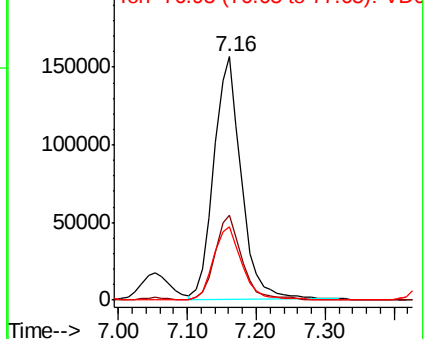
75 100

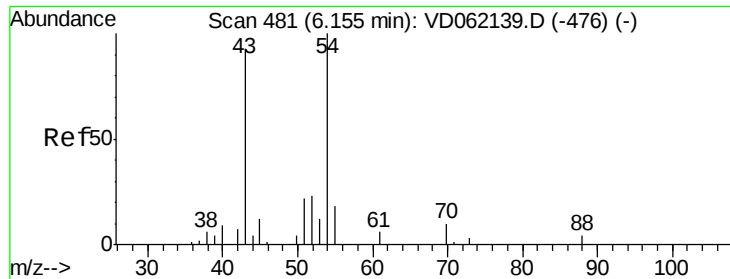
110 34.8 19.1 57.1

77 30.0 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: 50.835 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.03 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

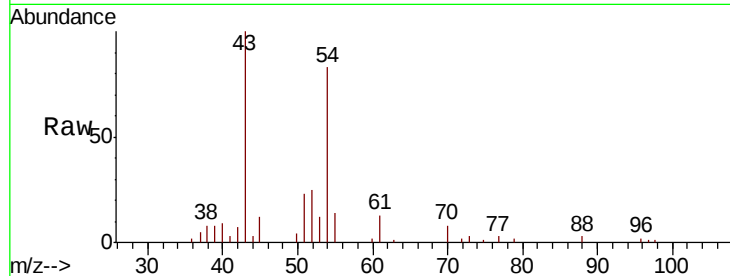
Tgt Ion: 43 Resp: 168203

Ion Ratio Lower Upper

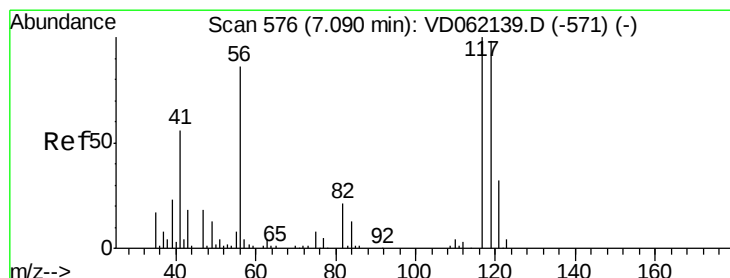
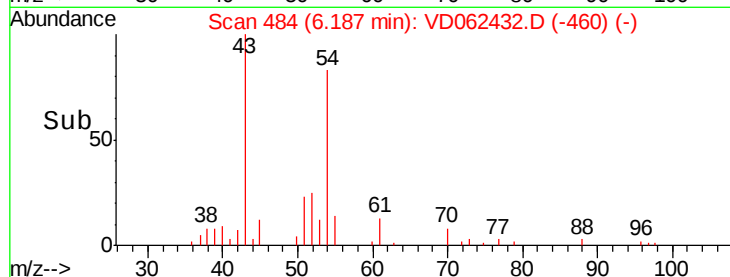
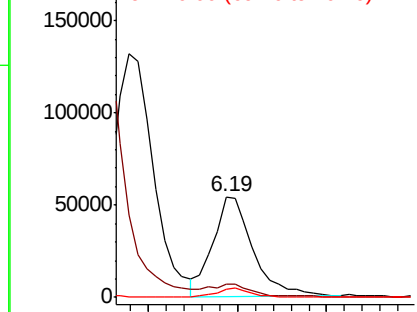
43 100

61 12.6 14.7 22.1#

70 8.4 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 67.022 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.03 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

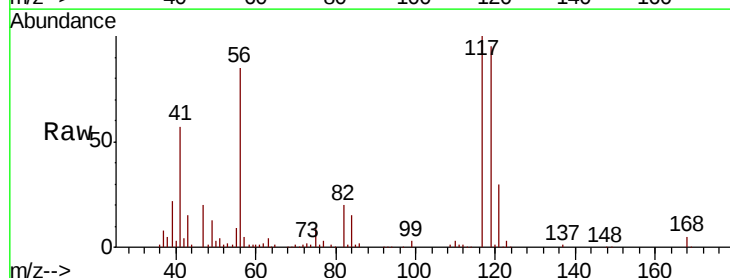
Tgt Ion: 117 Resp: 723760

Ion Ratio Lower Upper

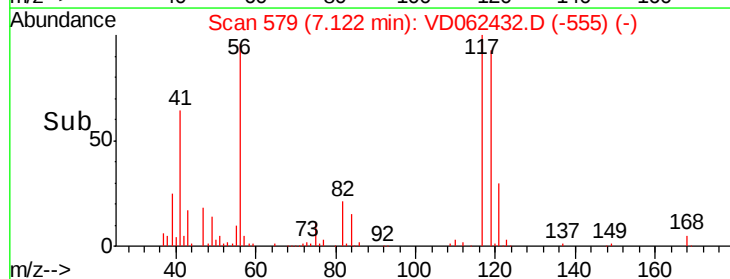
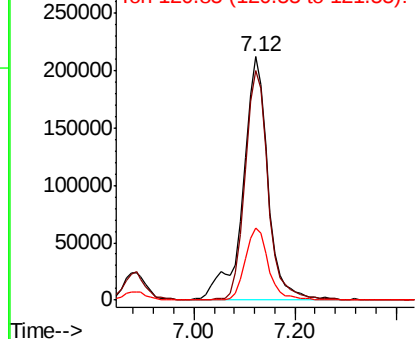
117 100

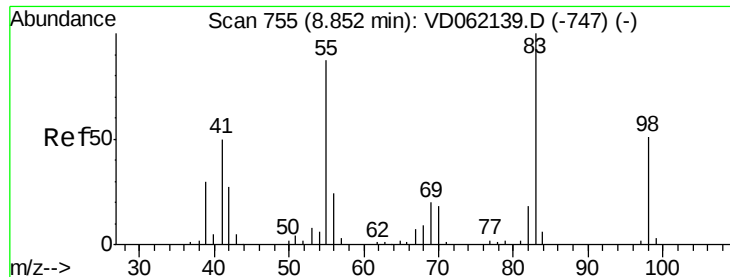
119 94.5 75.8 113.8

121 29.9 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

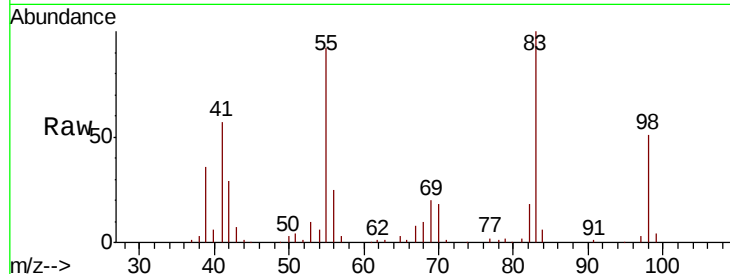




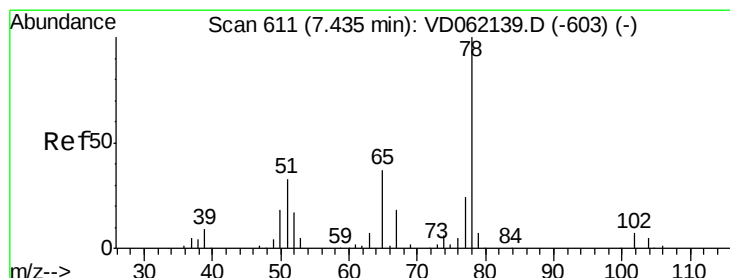
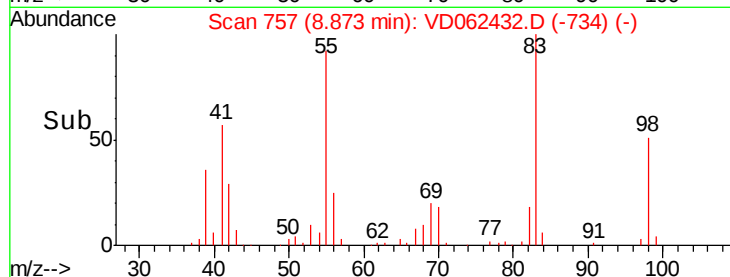
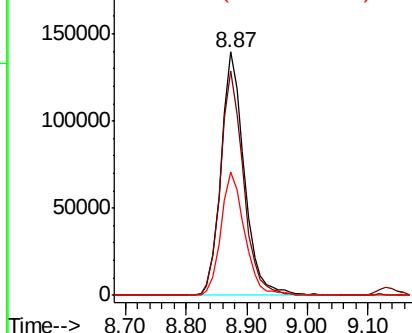
#39
Methylcyclohexane
Concen: 49.909 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 373093
Ion Ratio Lower Upper
83 100
55 92.3 68.2 102.4
98 50.8 38.2 57.4

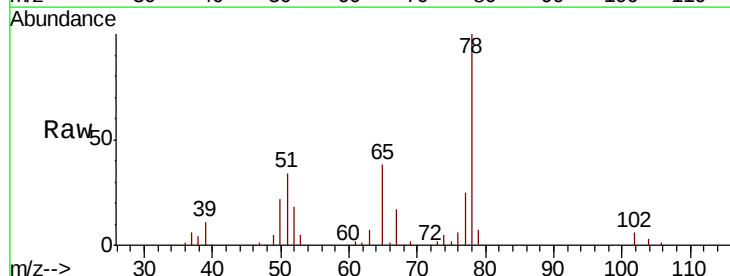


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

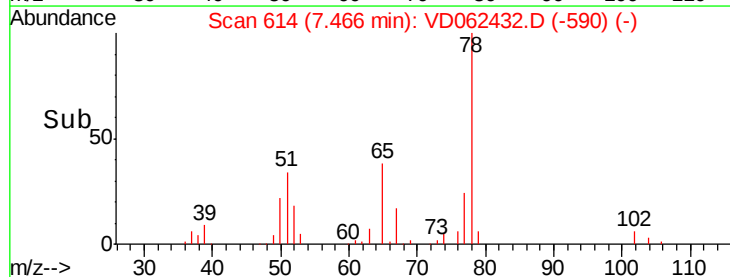
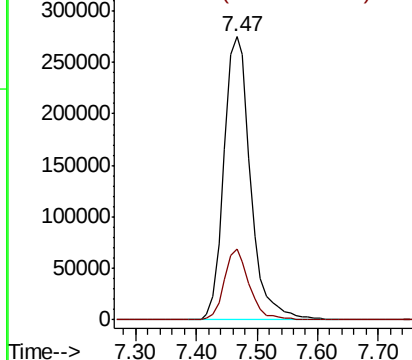


#40
Benzene
Concen: 47.657 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion: 78 Resp: 839638
Ion Ratio Lower Upper
78 100
77 24.9 19.7 29.5



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

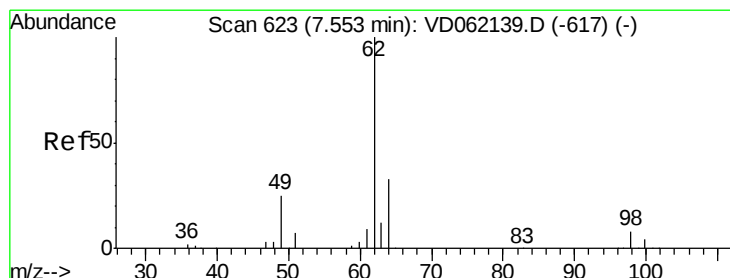
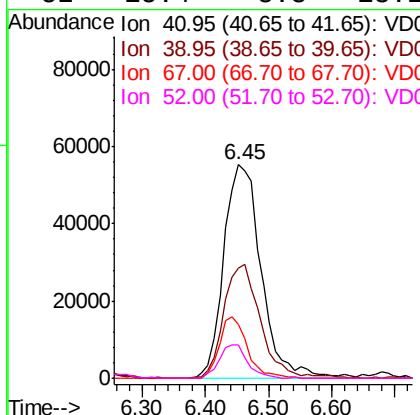
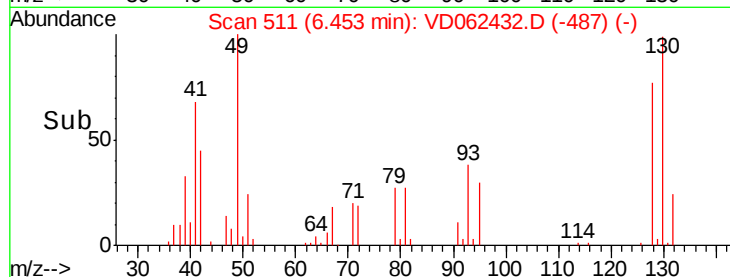
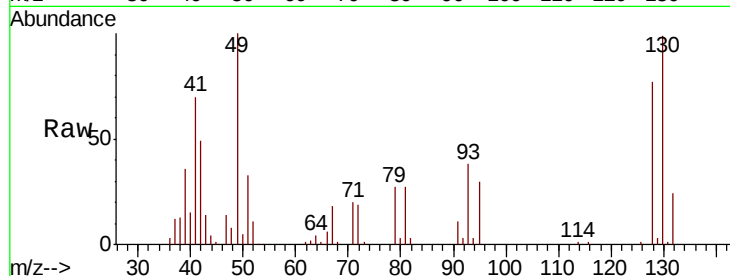




#41
Methacrylonitrile
Concen: 55.991 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

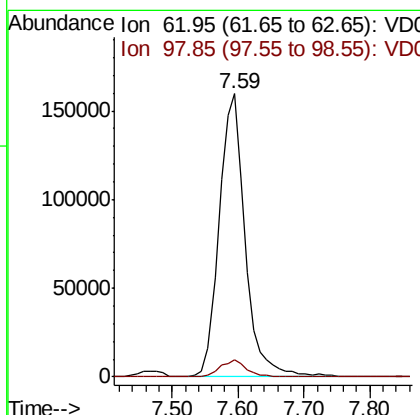
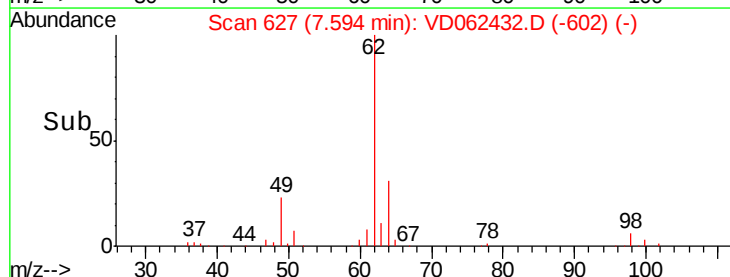
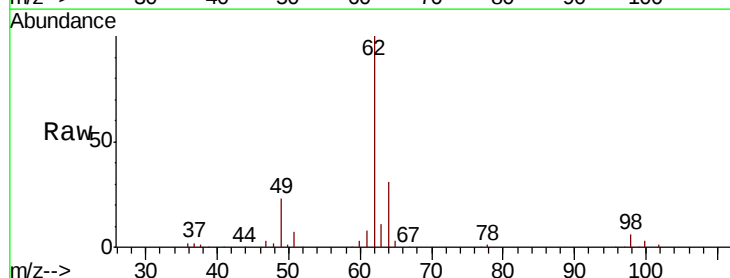
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

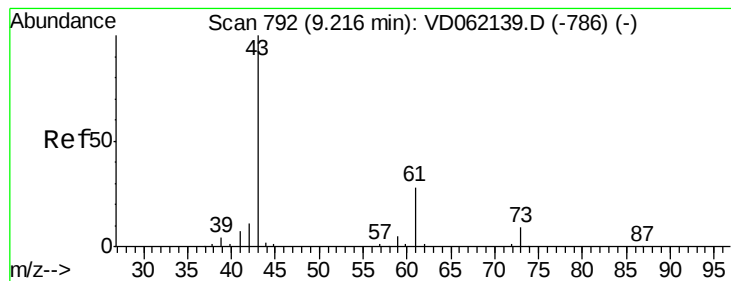
Tgt Ion: 41 Resp: 226400
Ion Ratio Lower Upper
41 100
39 51.5 34.1 51.1#
67 25.3 23.8 35.6
52 15.4 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 58.708 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion: 62 Resp: 438231
Ion Ratio Lower Upper
62 100
98 6.2 0.0 17.8





#43

Isopropyl Acetate

Concen: 52.056 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

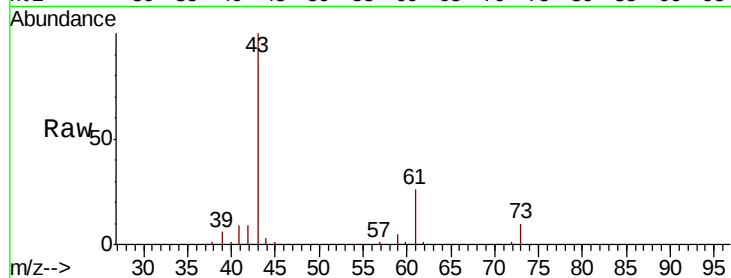
Tgt Ion: 43 Resp: 244281

Ion Ratio Lower Upper

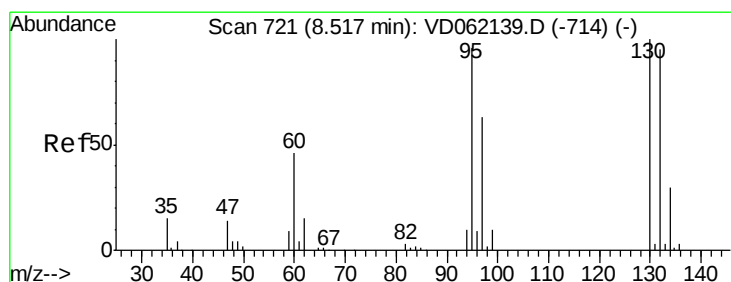
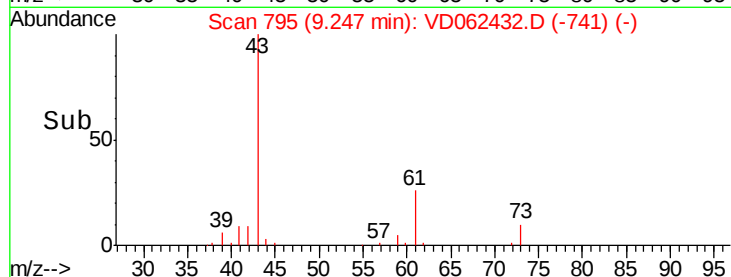
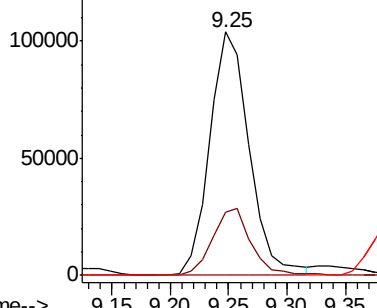
43 100

61 26.1 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: 55.620 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD062432.D

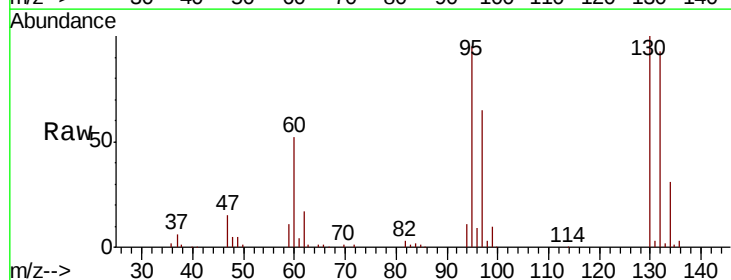
Acq: 17 May 2019 11:28

Tgt Ion: 130 Resp: 373410

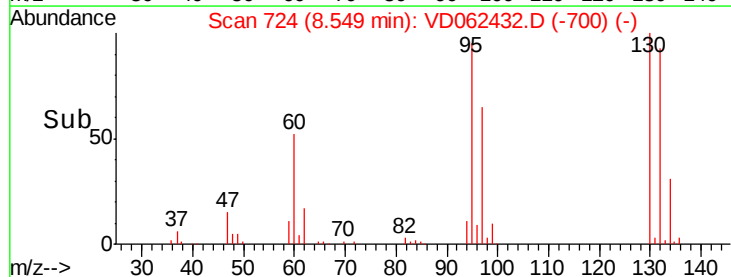
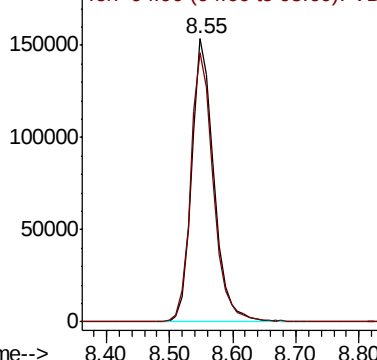
Ion Ratio Lower Upper

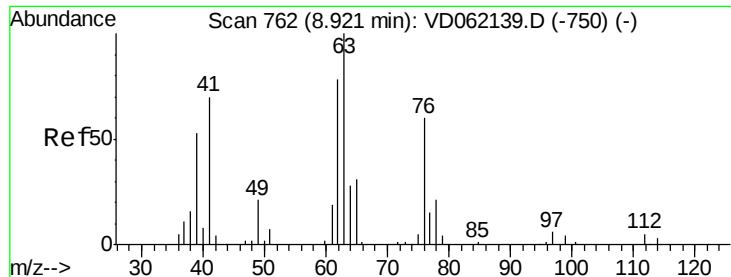
130 100

95 95.1 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 49.616 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

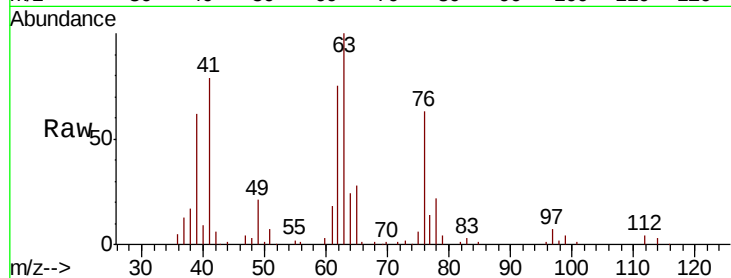
VSTDCCC050

Tgt Ion: 63 Resp: 216221

Ion Ratio Lower Upper

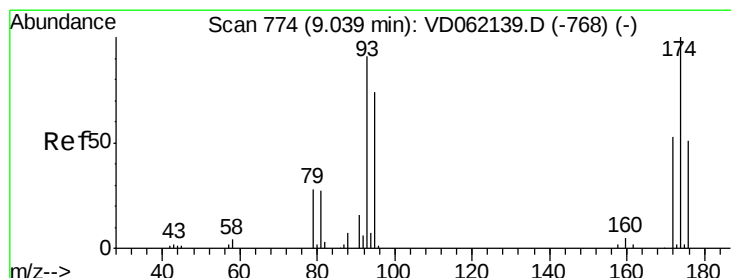
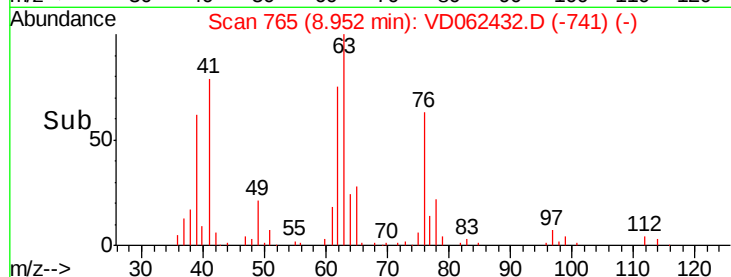
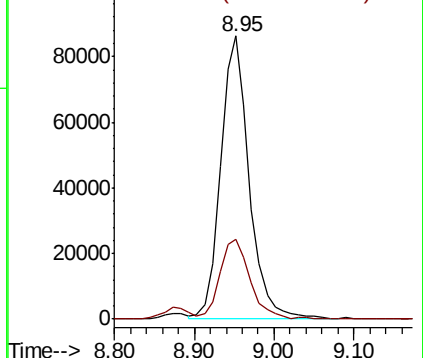
63 100

65 28.4 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: 53.455 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

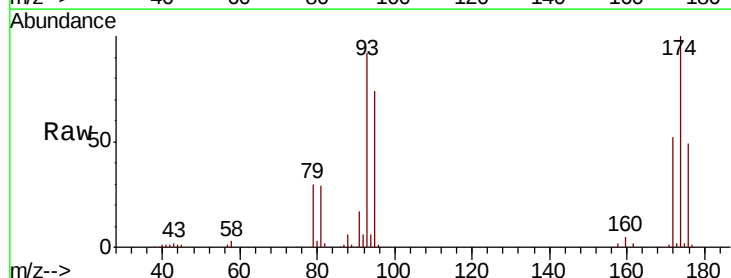
Tgt Ion: 93 Resp: 189432

Ion Ratio Lower Upper

93 100

95 80.9 64.8 97.2

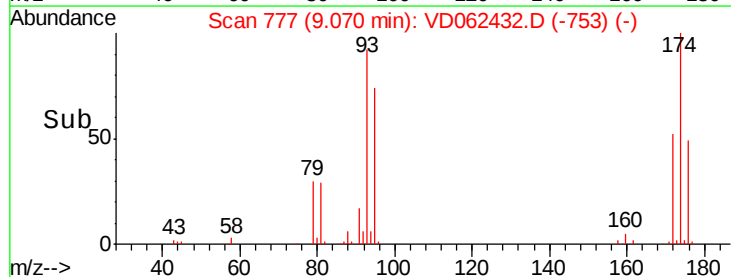
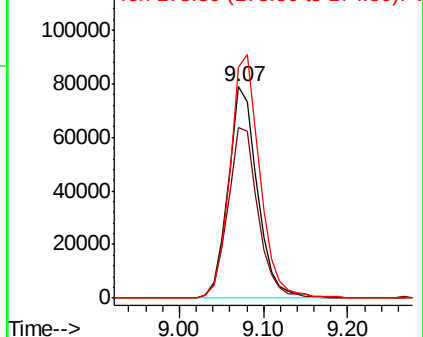
174 109.1 79.3 118.9

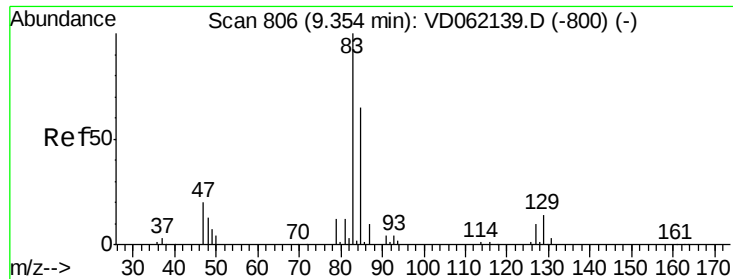


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 56.792 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

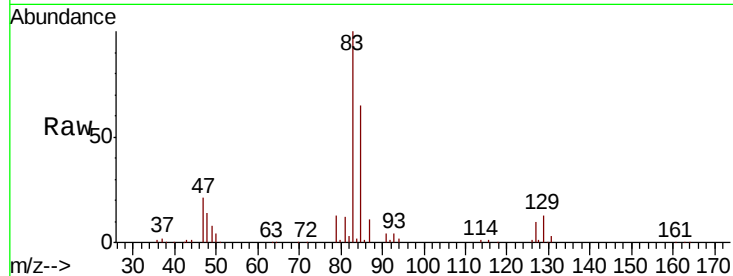
Tgt Ion: 83 Resp: 492281

Ion Ratio Lower Upper

83 100

85 65.0 50.9 76.3

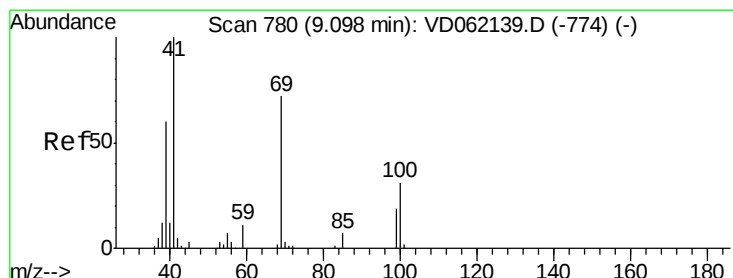
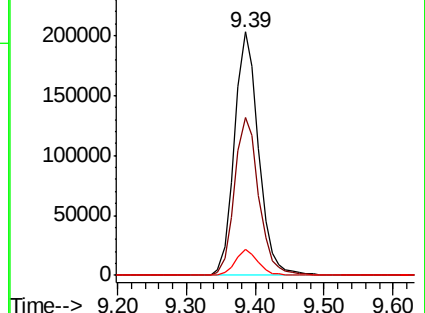
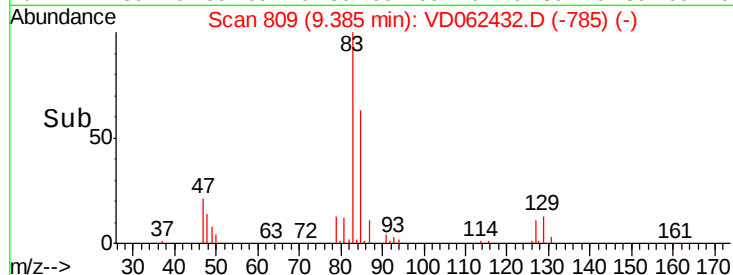
127 10.5 8.1 12.1



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: 55.122 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.03 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

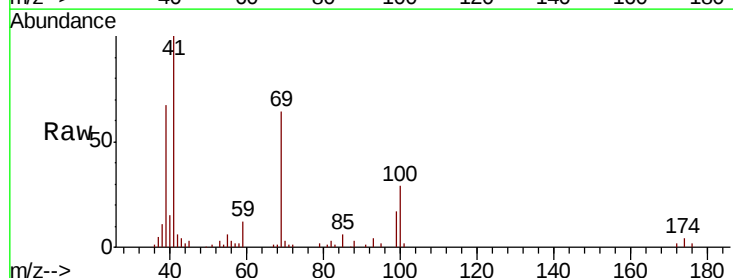
Tgt Ion: 41 Resp: 159328

Ion Ratio Lower Upper

41 100

69 64.1 64.2 96.2#

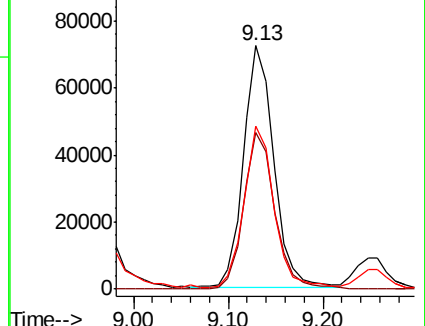
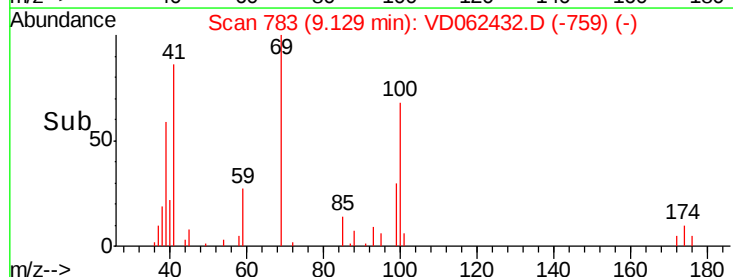
39 66.7 46.8 70.2

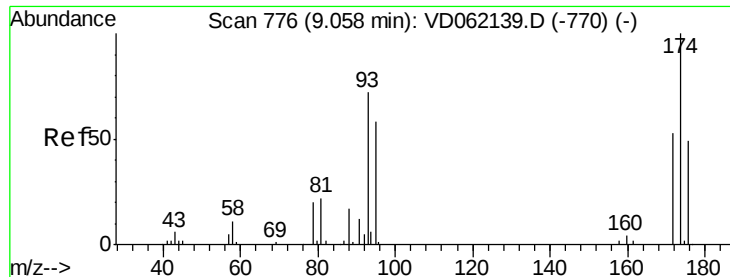


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

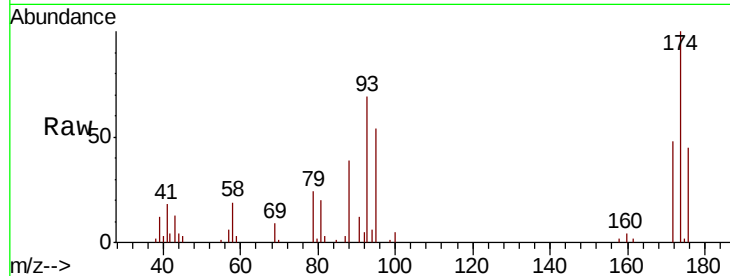




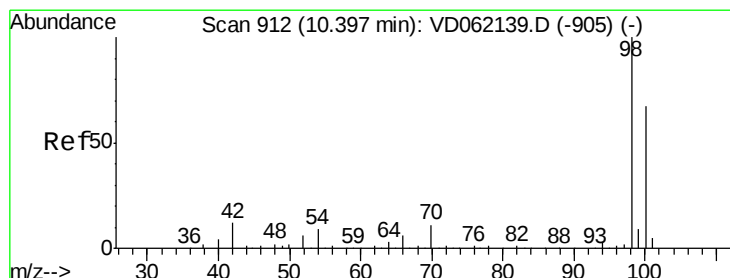
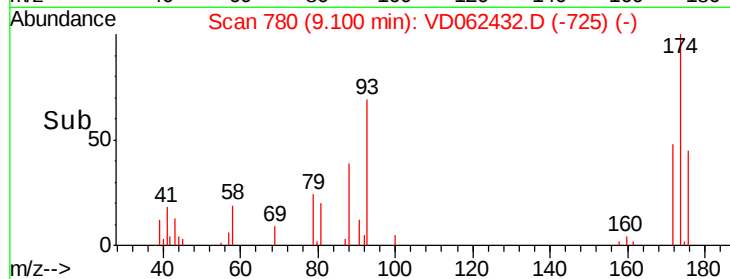
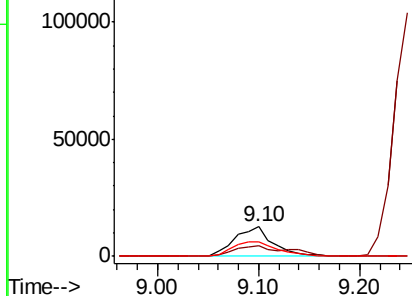
#49
1,4-Dioxane
Concen: 1076.709 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.04 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 33579
Ion Ratio Lower Upper
88 100
43 34.0 23.4 35.0
58 48.0 44.0 66.0

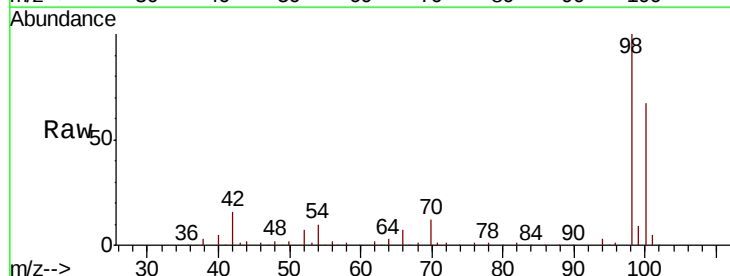


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

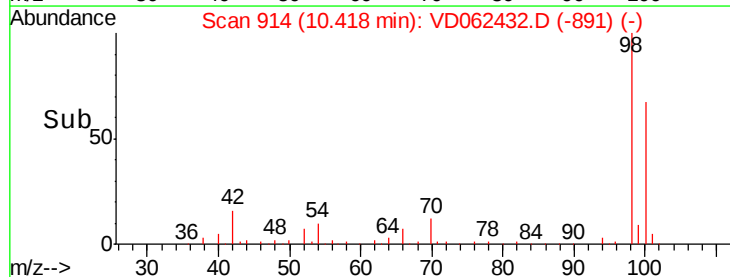
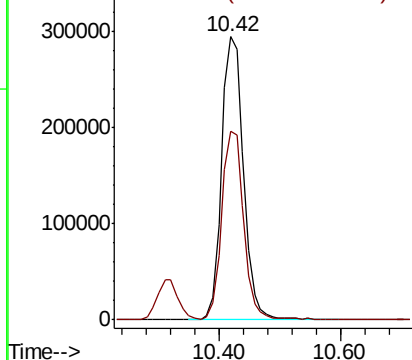


#50
Toluene-d8
Concen: 38.723 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion: 98 Resp: 737161
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

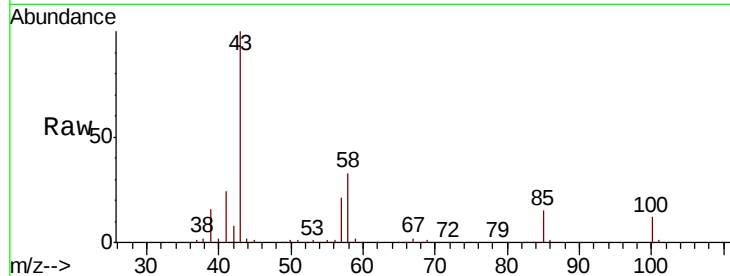




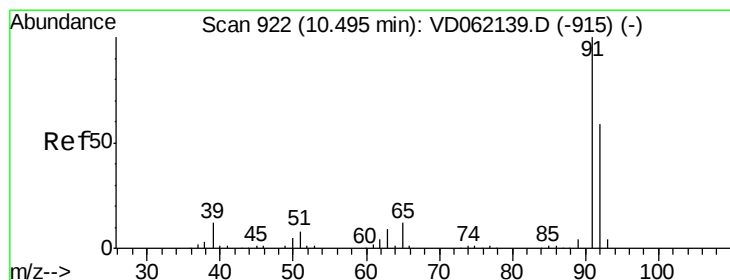
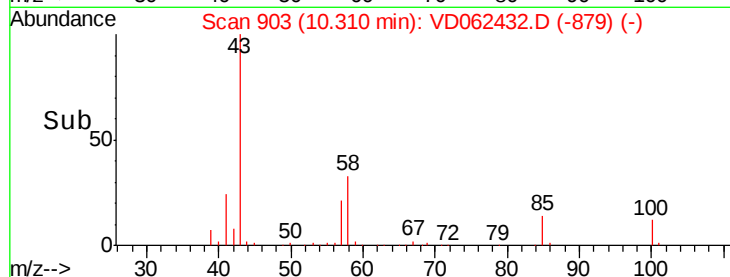
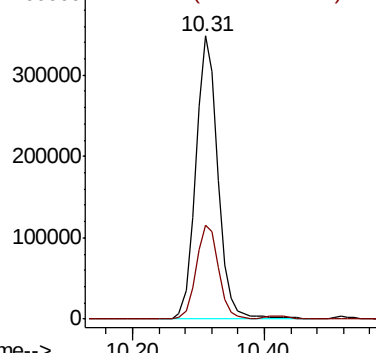
#51
 4-Methyl-2-Pentanone
 Concen: 270.755 ug/l
 RT: 10.31 min Scan# 903
 Delta R.T. 0.03 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 816719
 Ion Ratio Lower Upper
 43 100
 58 33.2 30.4 45.6

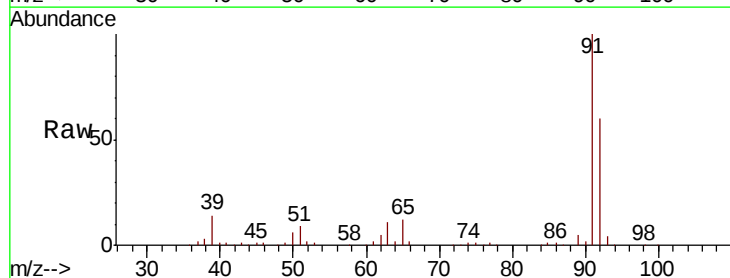


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

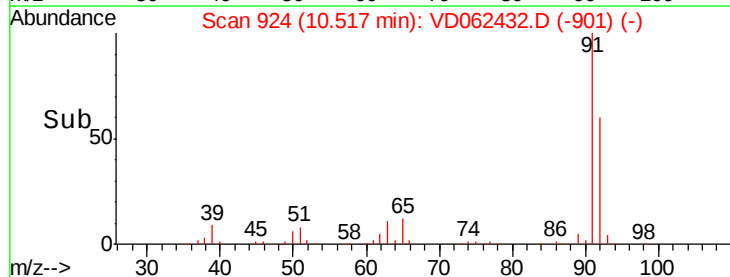
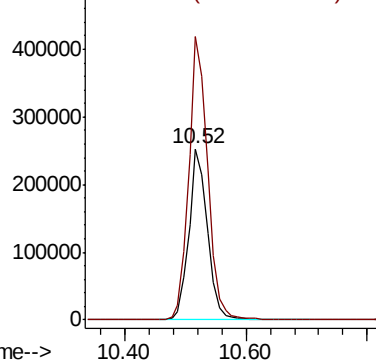


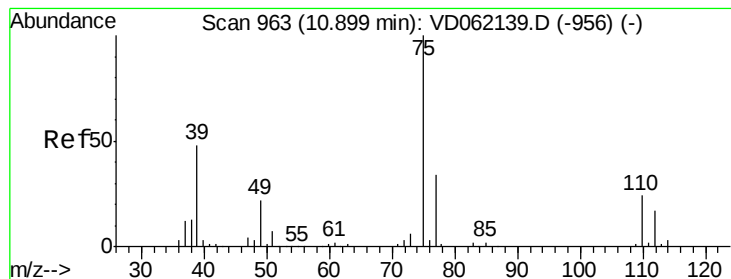
#52
 Toluene
 Concen: 46.698 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Tgt Ion: 92 Resp: 535308
 Ion Ratio Lower Upper
 92 100
 91 165.6 136.6 204.8



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: 58.312 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

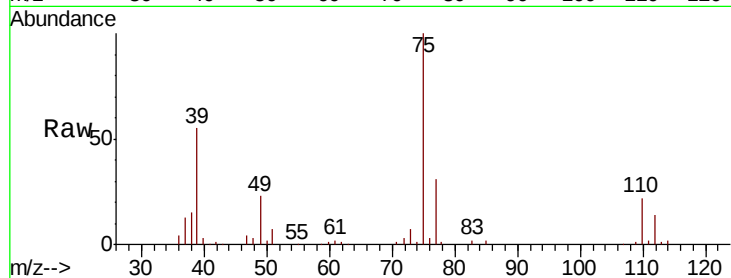
VSTDCCC050

Tgt Ion: 75 Resp: 436856

Ion Ratio Lower Upper

75 100

77 30.7 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

250000

200000

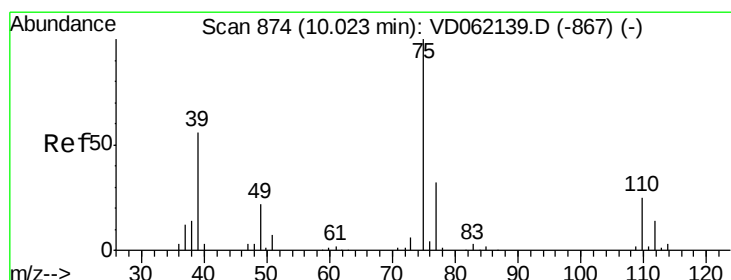
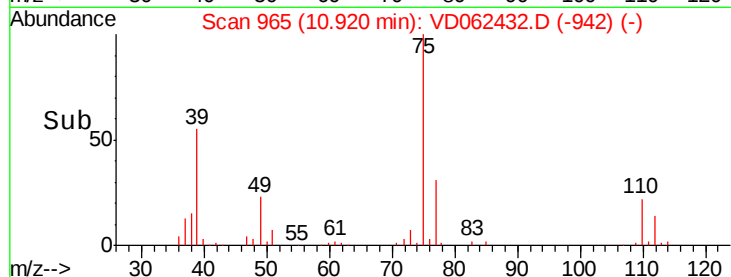
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 57.159 ug/l

RT: 10.05 min Scan# 877

Delta R.T. 0.03 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

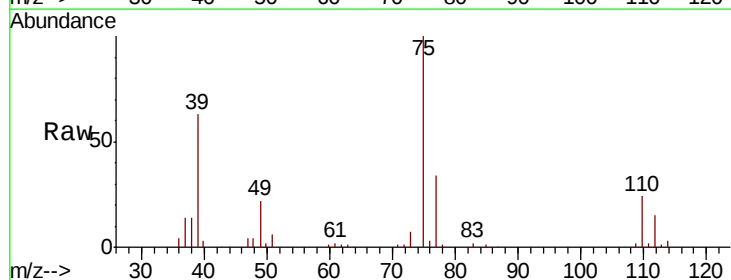
Tgt Ion: 75 Resp: 467153

Ion Ratio Lower Upper

75 100

77 34.0 25.5 38.3

39 62.9 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

10.05

250000

200000

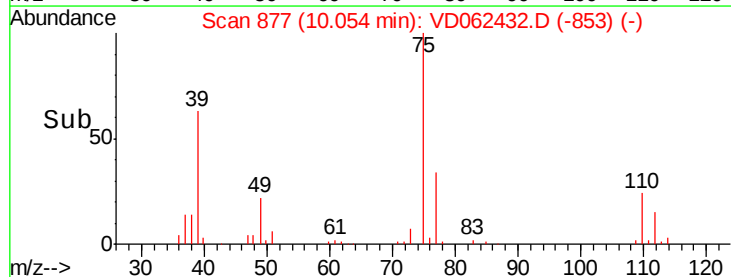
150000

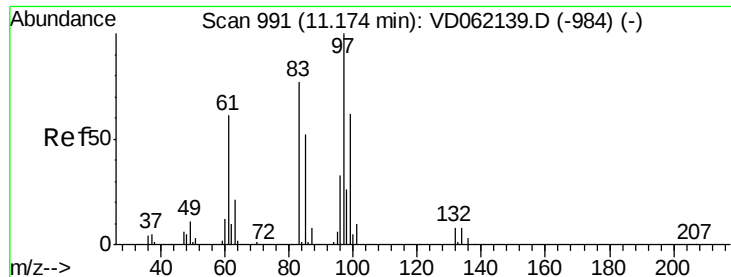
100000

50000

0

Time-->

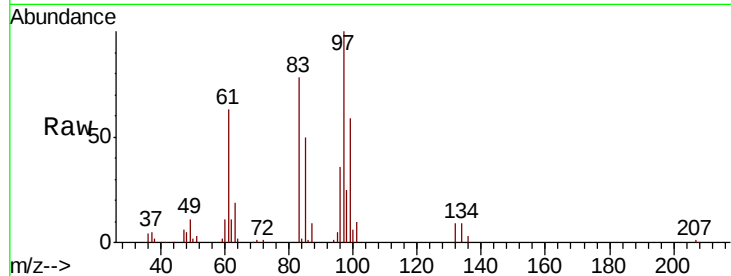




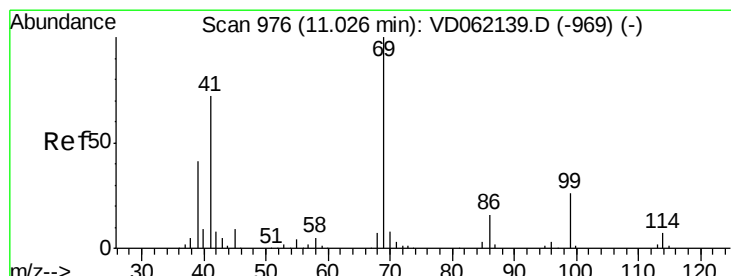
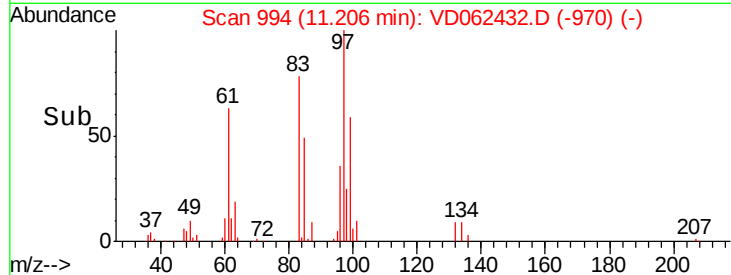
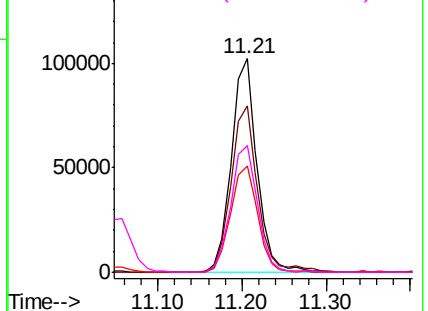
#55
 1,1,2-Trichloroethane
 Concen: 53.359 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 216422
 Ion Ratio Lower Upper
 97 100
 83 77.8 65.7 98.5
 85 49.5 45.6 68.4
 99 59.3 48.4 72.6

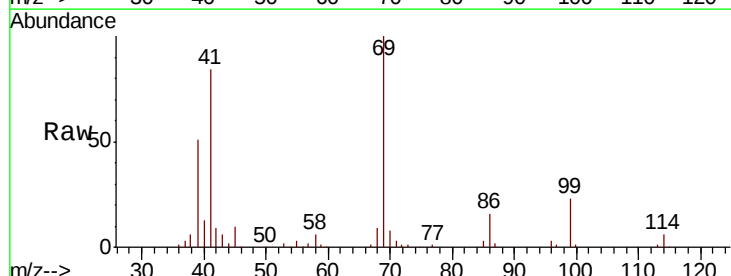


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

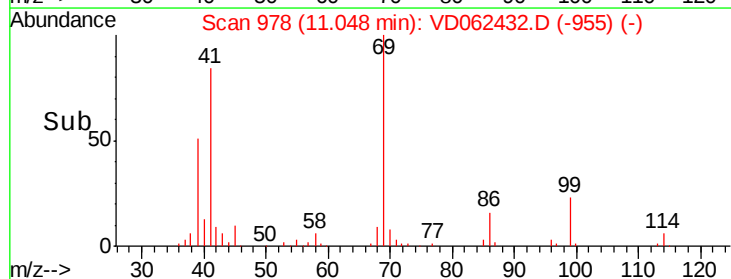
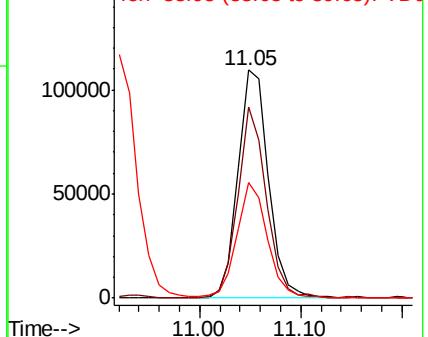


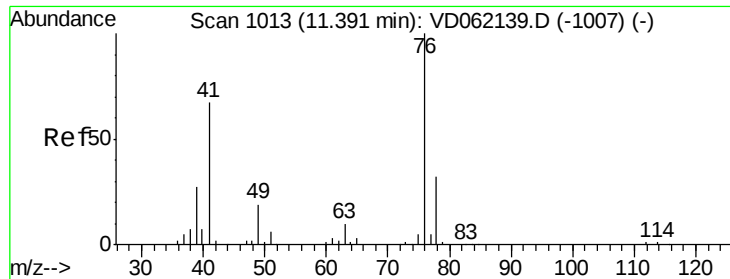
#56
 Ethyl methacrylate
 Concen: 54.682 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Tgt Ion: 69 Resp: 230468
 Ion Ratio Lower Upper
 69 100
 41 83.6 56.3 84.5
 39 51.0 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

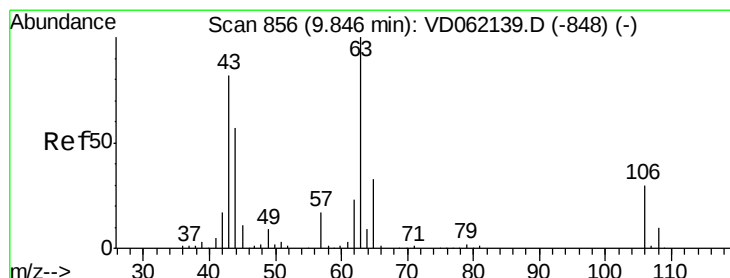
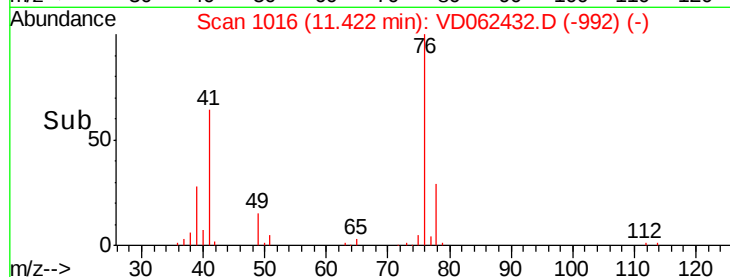
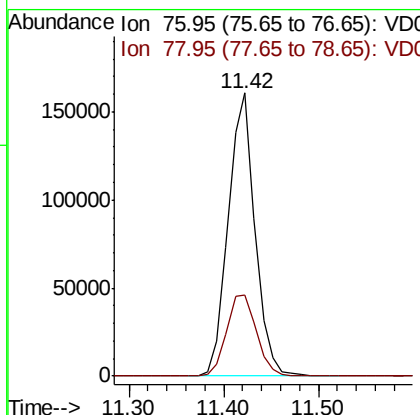
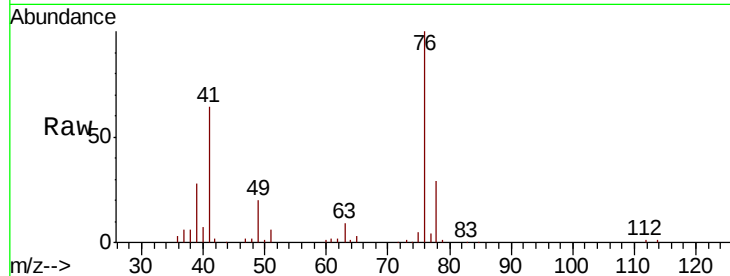




#57
 1,3-Dichloropropane
 Concen: 51.300 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

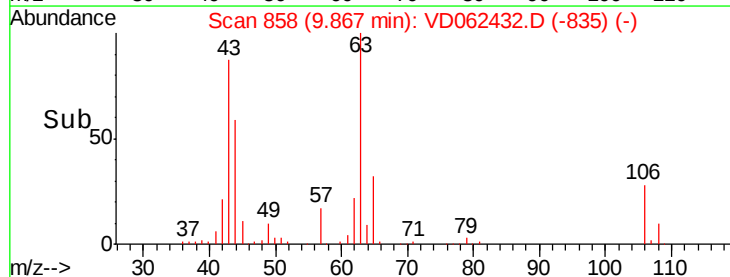
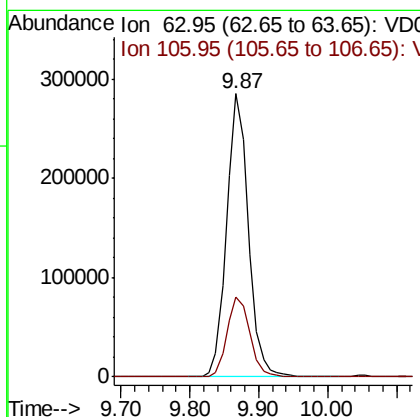
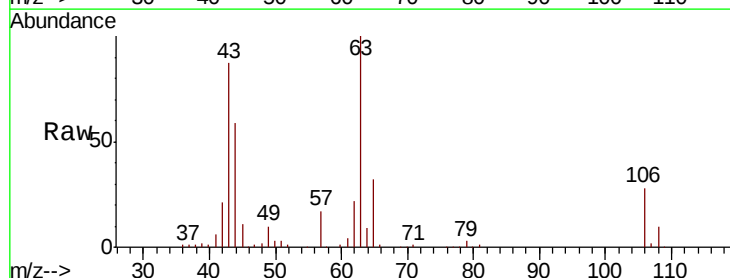
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 314342
 Ion Ratio Lower Upper
 76 100
 78 28.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.167 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Tgt Ion: 63 Resp: 621985
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.6 34.0

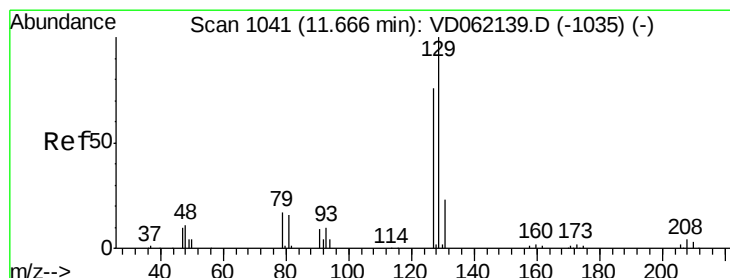
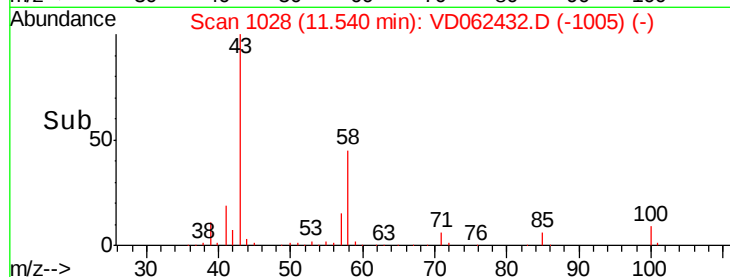
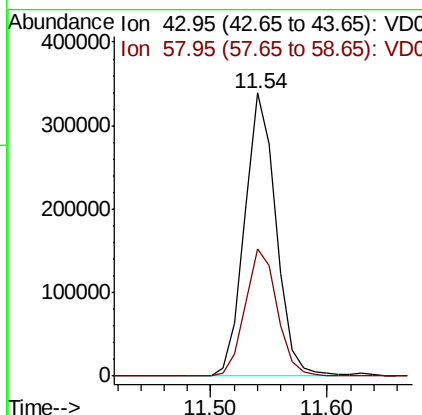
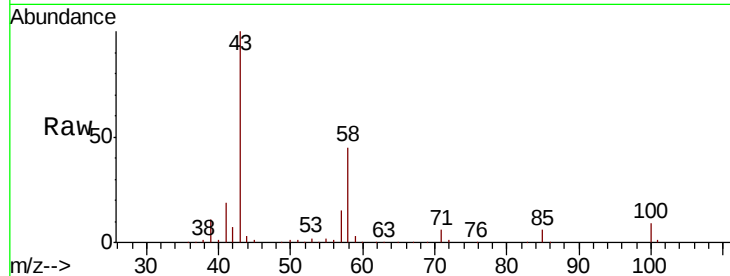




#59
2-Hexanone
Concen: 284.303 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

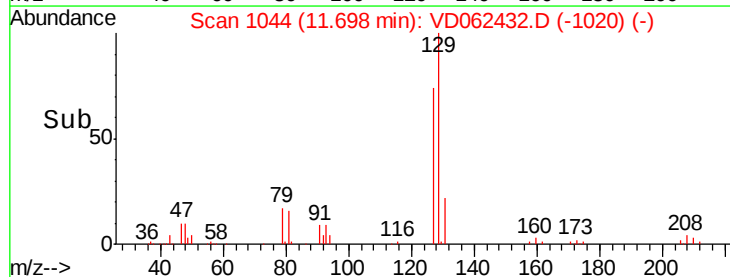
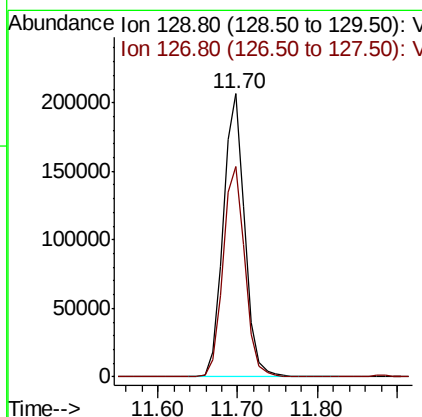
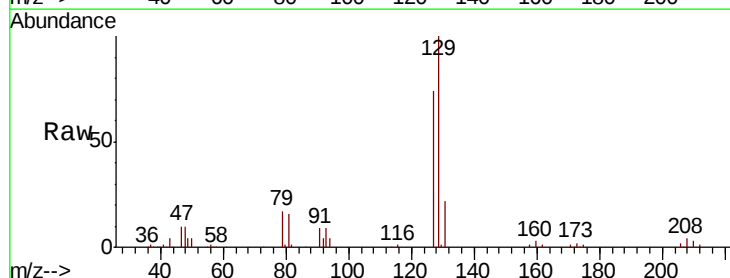
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 632074
Ion Ratio Lower Upper
43 100
58 45.0 25.4 76.4



#60
Dibromochloromethane
Concen: 55.956 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion: 129 Resp: 392223
Ion Ratio Lower Upper
129 100
127 74.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 52.459 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

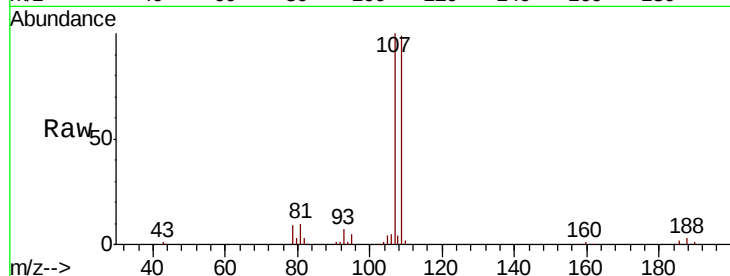
VSTDCCC050

Tgt Ion:107 Resp: 258680

Ion Ratio Lower Upper

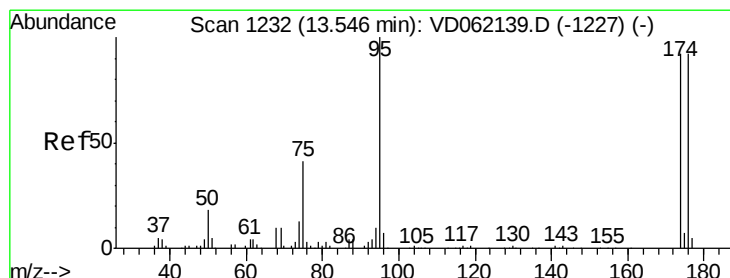
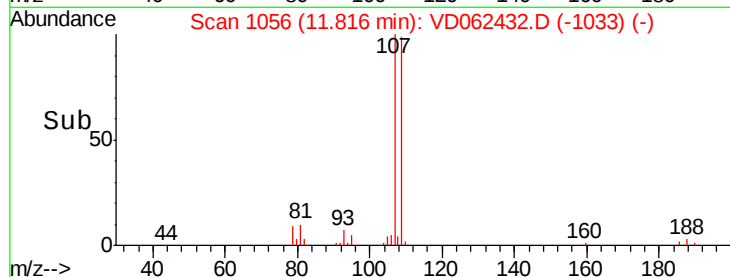
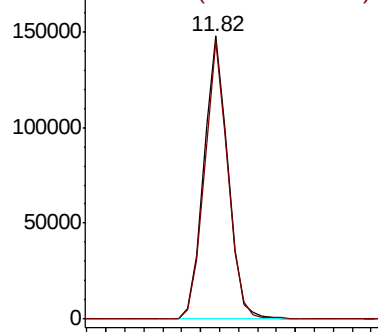
107 100

109 98.5 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 44.446 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

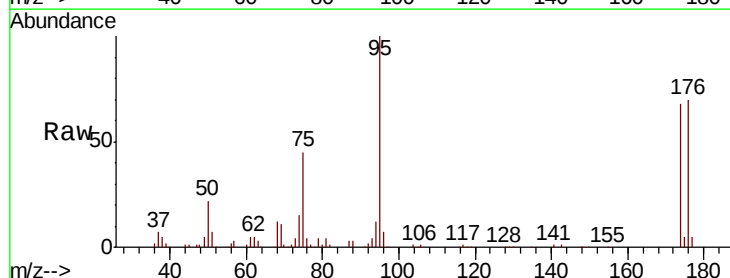
Tgt Ion: 95 Resp: 339763

Ion Ratio Lower Upper

95 100

174 67.6 0.0 181.8

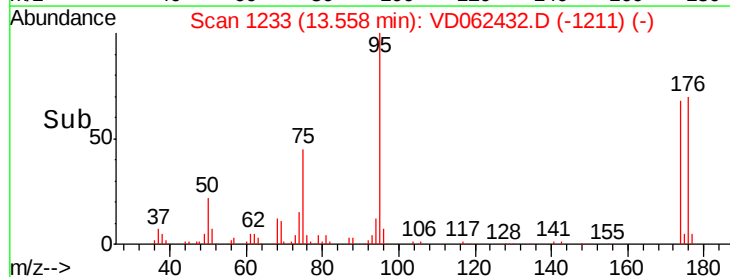
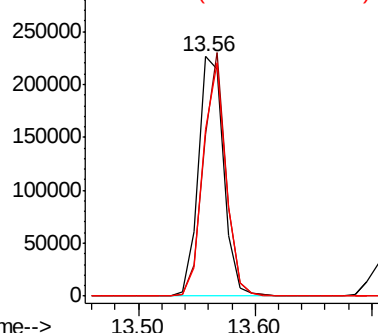
176 69.6 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

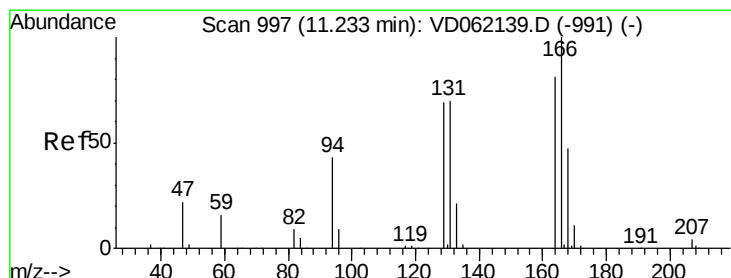
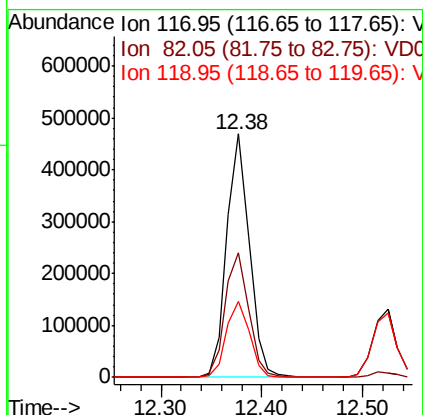
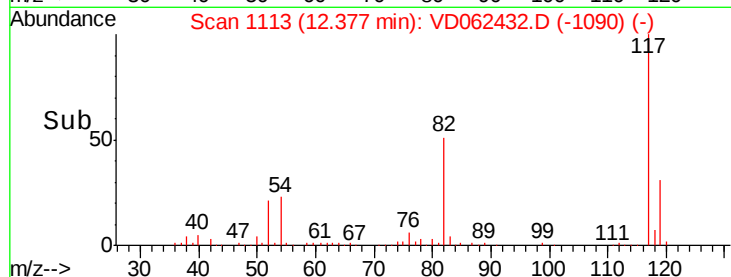
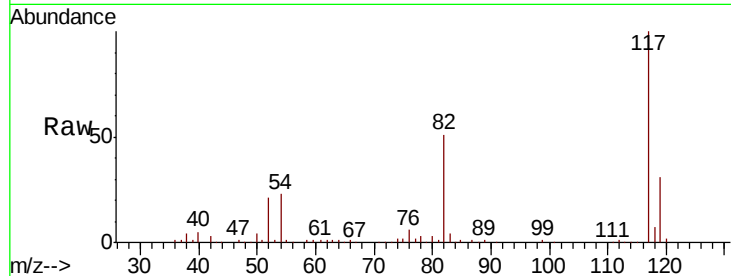




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

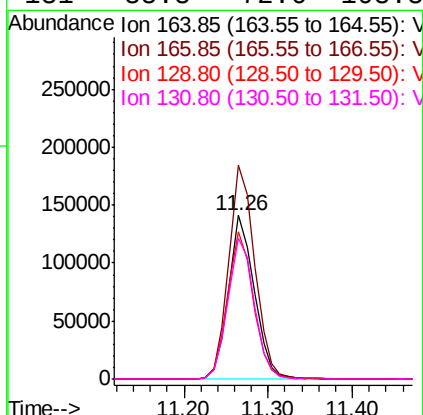
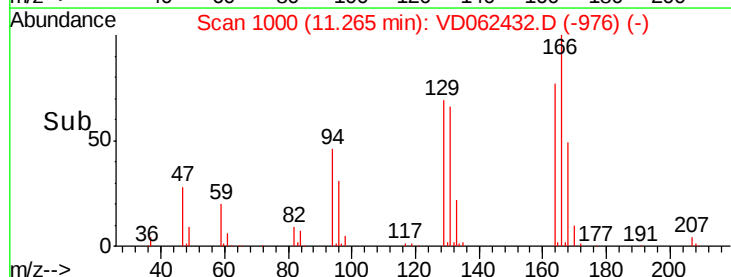
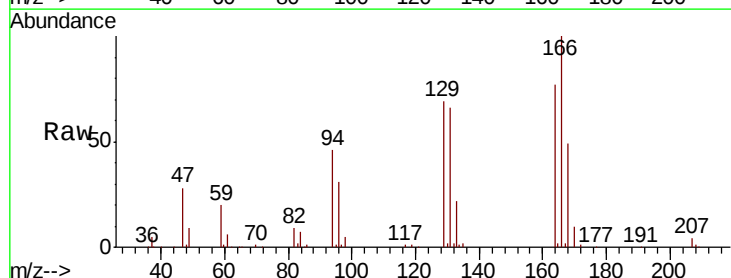
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 732213
Ion Ratio Lower Upper
117 100
82 51.0 36.2 54.2
119 31.4 26.2 39.4



#64
Tetrachloroethene
Concen: 52.694 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion:164 Resp: 301704
Ion Ratio Lower Upper
164 100
166 130.5 101.5 152.3
129 89.6 74.6 112.0
131 85.8 72.6 108.8

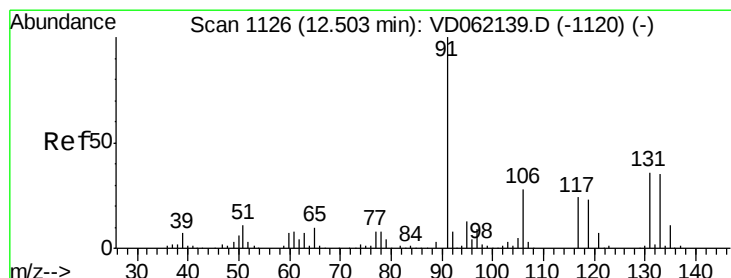
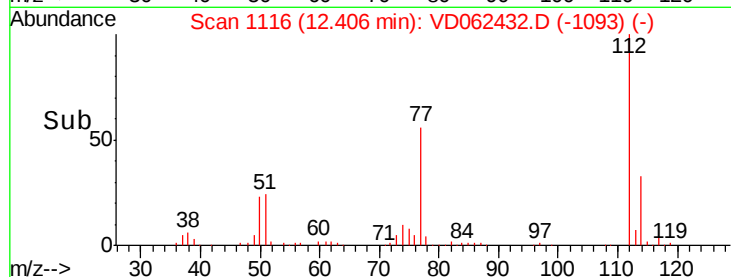
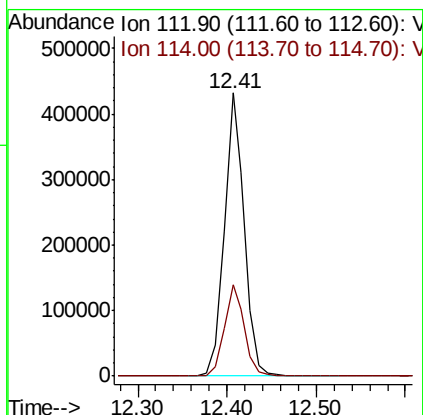
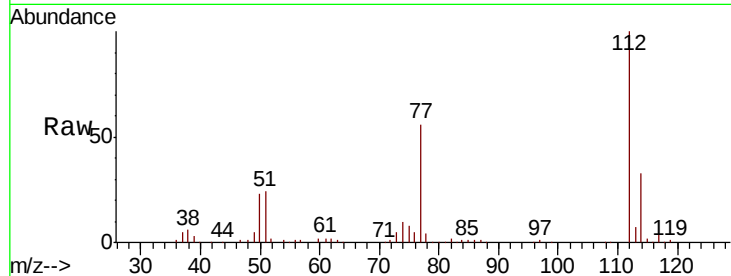




#65
Chlorobenzene
Concen: 49.695 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

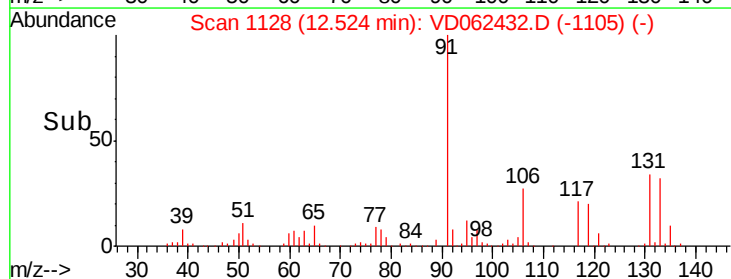
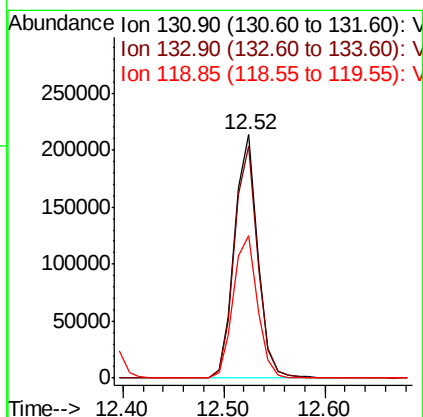
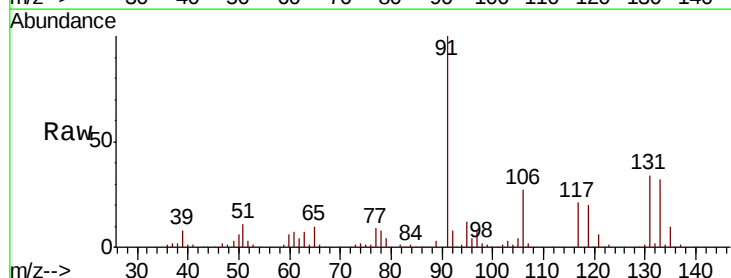
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 677725
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 57.246 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion:131 Resp: 339773
Ion Ratio Lower Upper
131 100
133 95.1 48.6 145.8
119 58.4 34.7 104.1

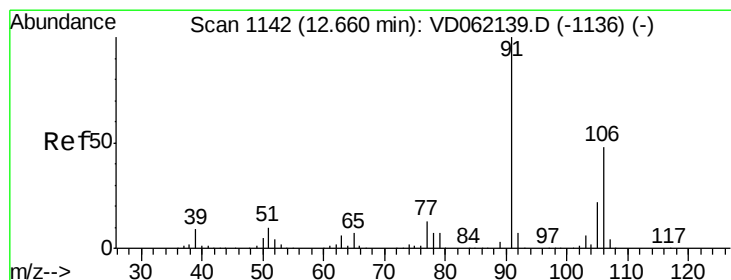
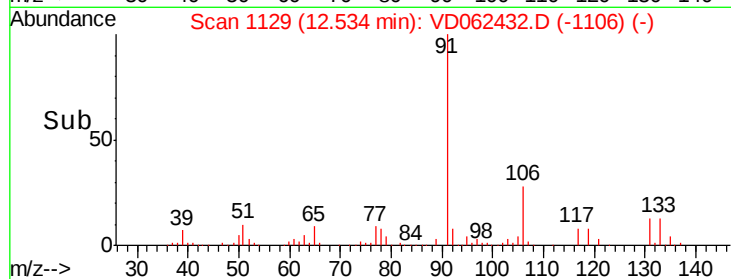
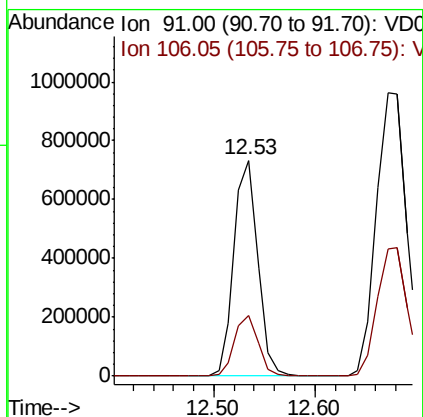
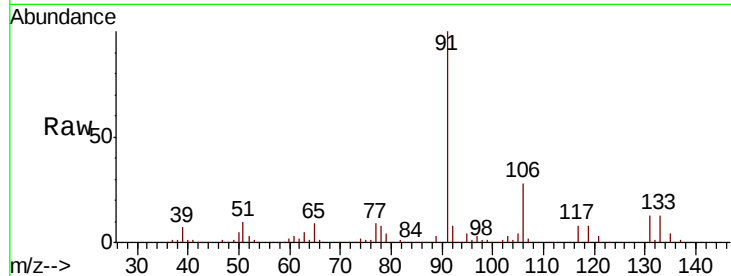




#67
Ethyl Benzene
Concen: 52.897 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

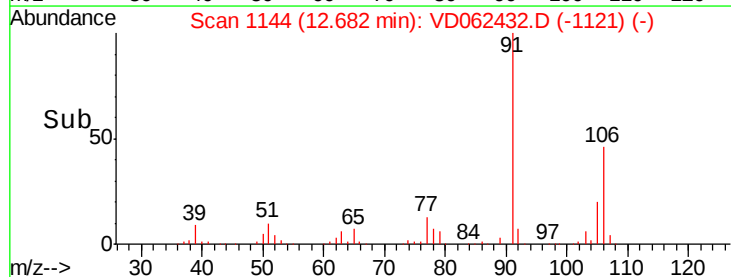
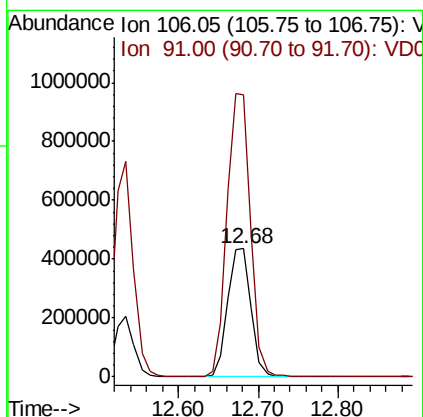
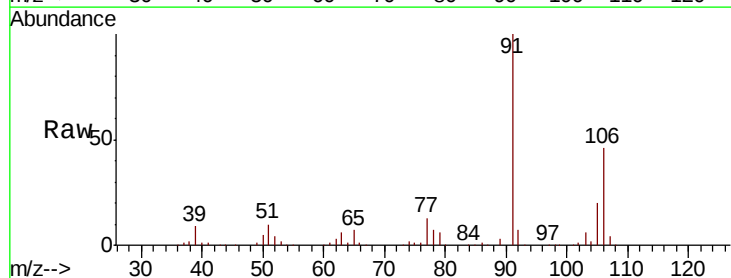
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

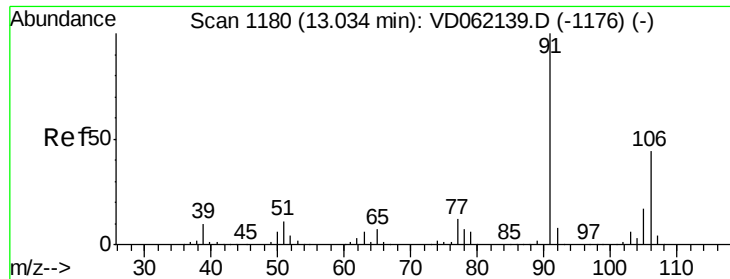
Tgt Ion: 91 Resp: 1207716
Ion Ratio Lower Upper
91 100
106 28.3 24.7 37.1



#68
m/p-Xylenes
Concen: 108.273 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion: 106 Resp: 899382
Ion Ratio Lower Upper
106 100
91 219.7 164.0 246.0

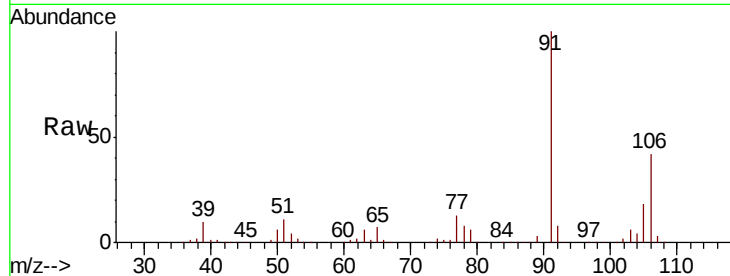




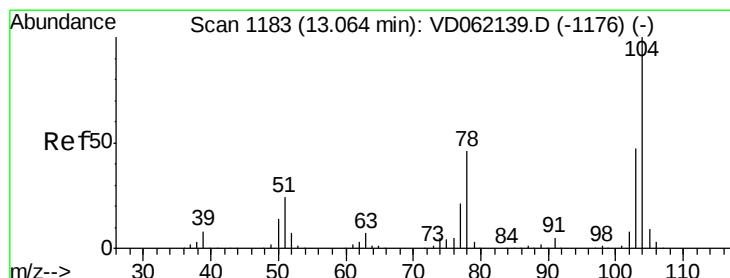
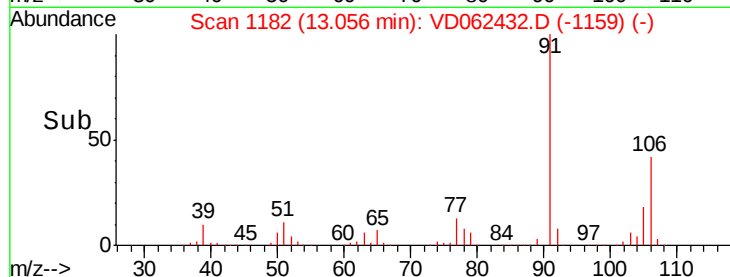
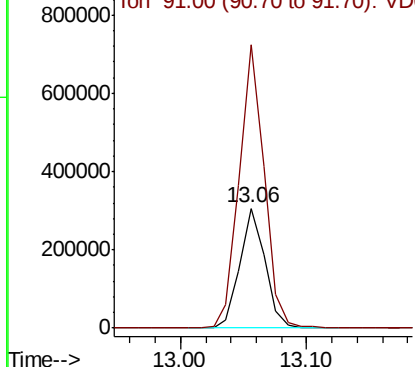
#69
o-Xylene
Concen: 54.992 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 424682
Ion Ratio Lower Upper
106 100
91 235.9 106.7 319.9

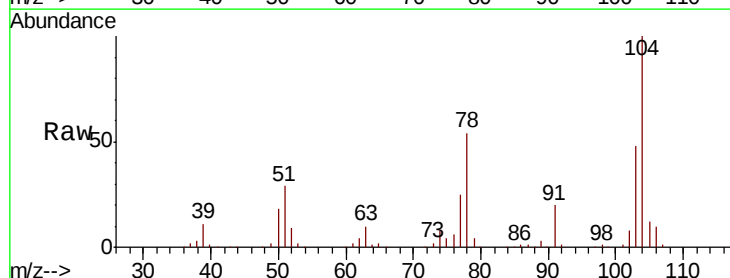


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

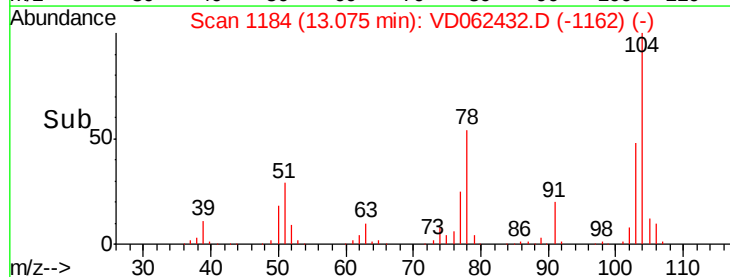
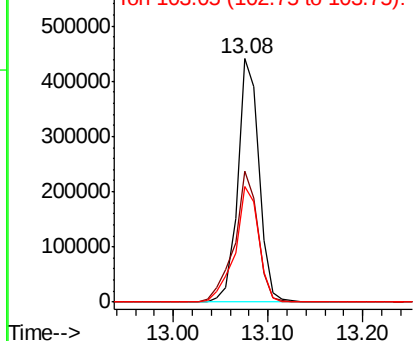


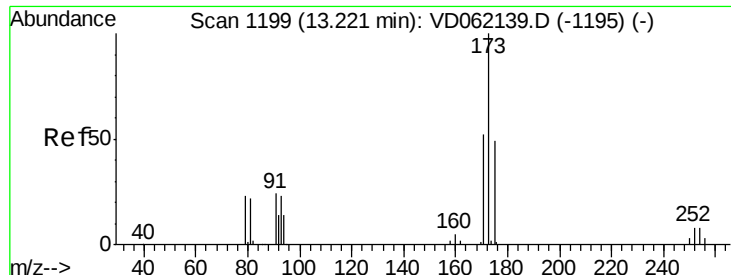
#70
Styrene
Concen: 52.177 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion:104 Resp: 682591
Ion Ratio Lower Upper
104 100
78 53.8 35.4 53.2#
103 47.6 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

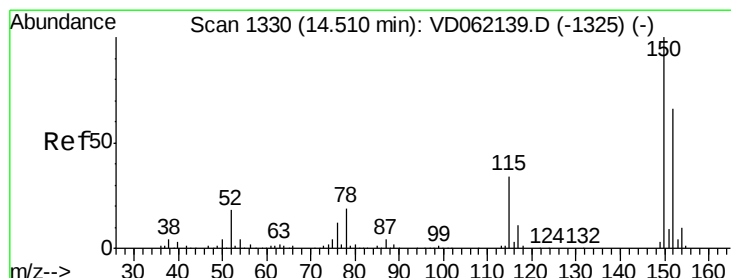
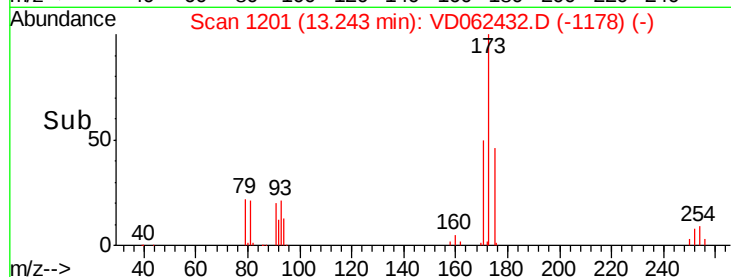
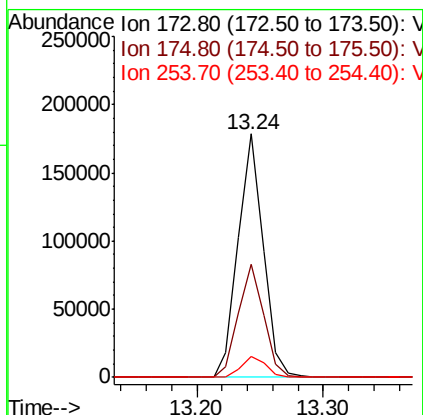
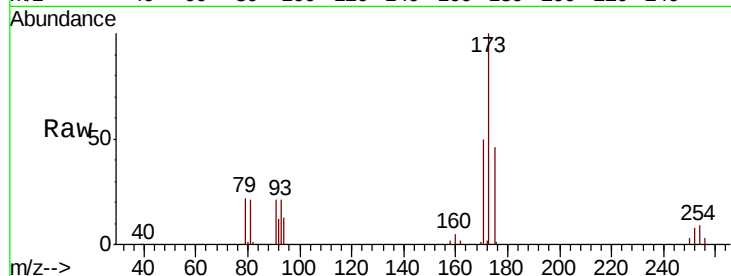




#71
Bromoform
Concen: 59.400 ug/l
RT: 13.24 min Scan# 1201
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

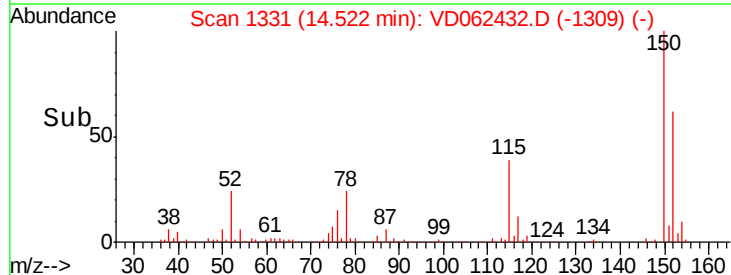
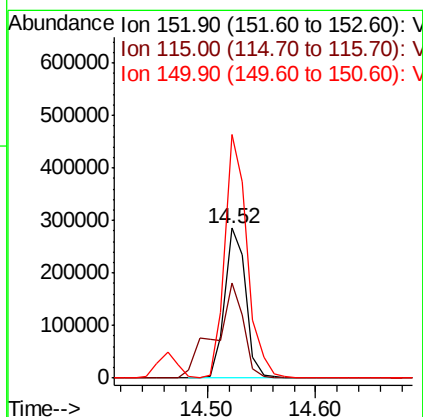
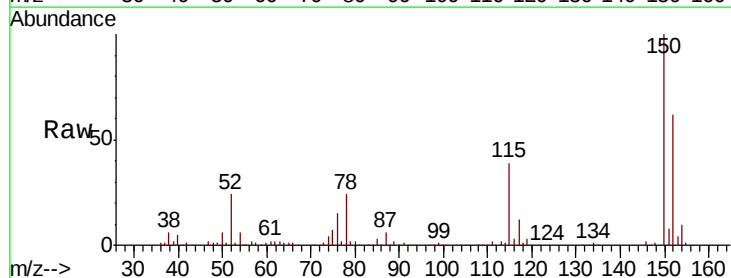
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

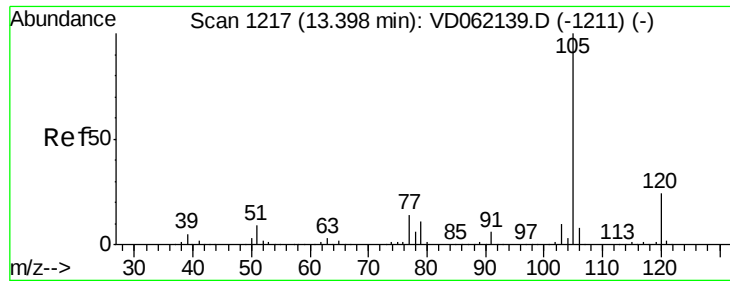
Tgt Ion:173 Resp: 245286
Ion Ratio Lower Upper
173 100
175 46.3 24.4 73.4
254 8.7 5.4 8.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion:152 Resp: 385174
Ion Ratio Lower Upper
152 100
115 63.1 30.9 92.7
150 162.2 0.0 314.8





#73

Isopropylbenzene

Concen: 56.981 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

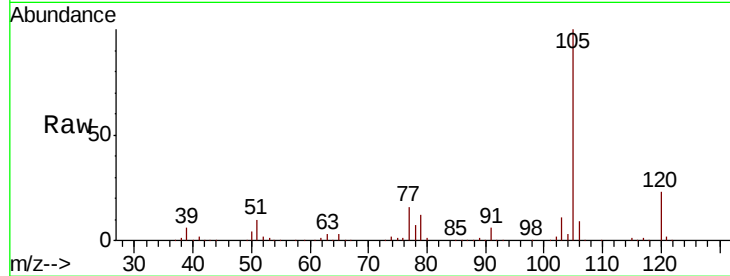
VSTDCCC050

Tgt Ion:105 Resp: 1315604

Ion Ratio Lower Upper

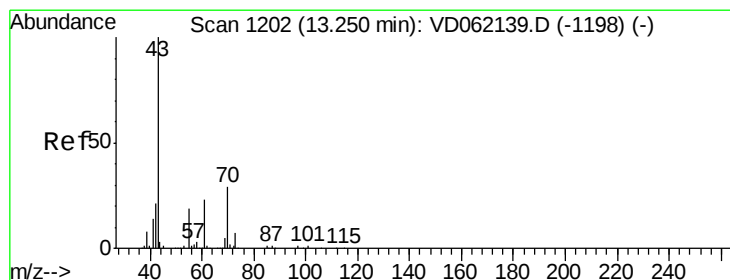
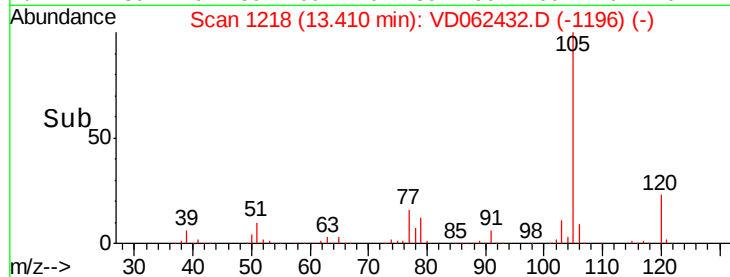
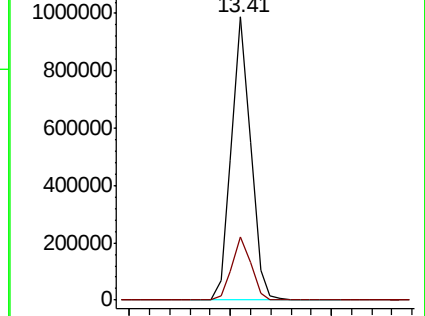
105 100

120 22.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-aryl acetate

Concen: 53.166 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Tgt Ion: 43 Resp: 321834

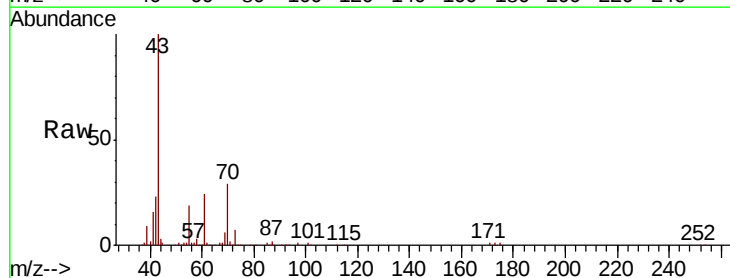
Ion Ratio Lower Upper

43 100

70 28.6 24.2 36.4

55 19.1 16.0 24.0

61 24.4 21.6 32.4

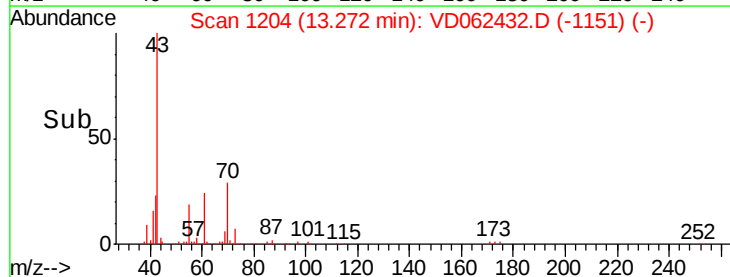
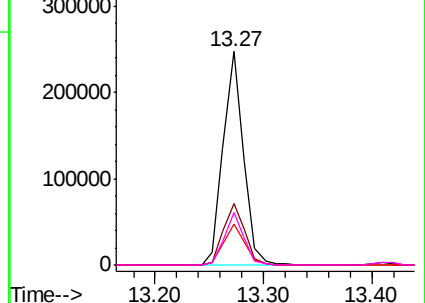


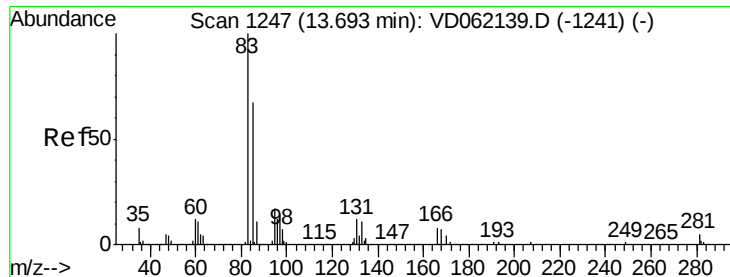
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 51.281 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

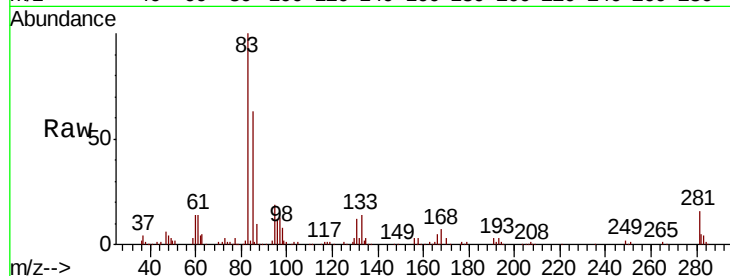
Tgt Ion: 83 Resp: 224147

Ion Ratio Lower Upper

83 100

131 11.6 5.0 14.9

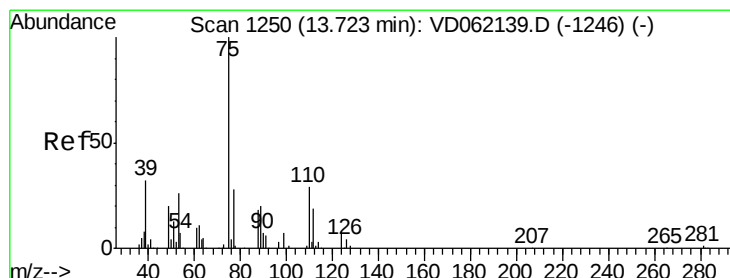
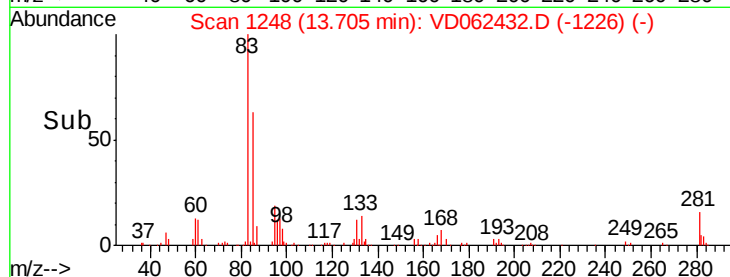
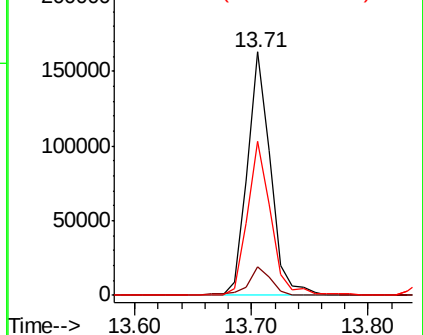
85 63.5 32.6 97.7



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: 54.378 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062432.D

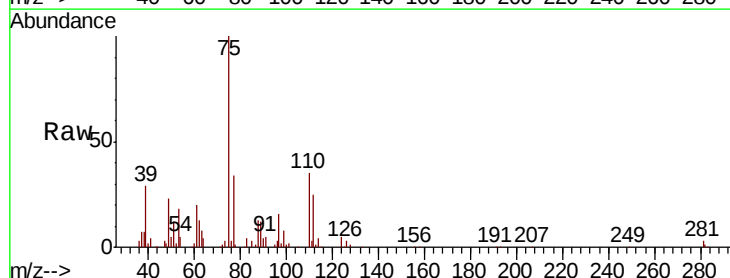
Acq: 17 May 2019 11:28

Tgt Ion: 75 Resp: 248915

Ion Ratio Lower Upper

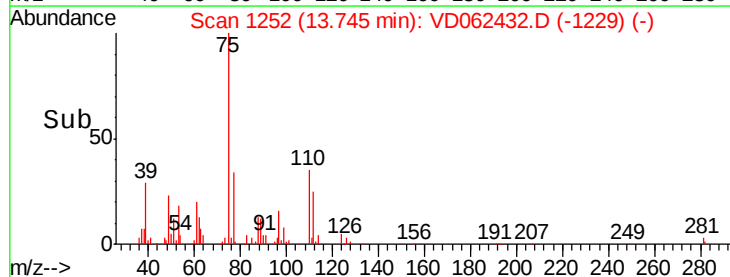
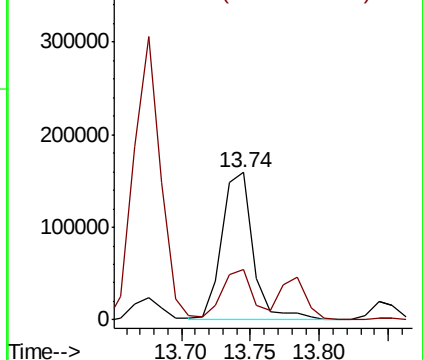
75 100

77 34.0 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: 52.220 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

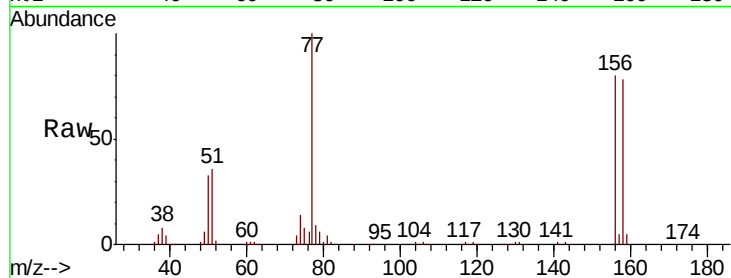
Tgt Ion:156 Resp: 337516

Ion Ratio Lower Upper

156 100

77 124.9 53.1 159.4

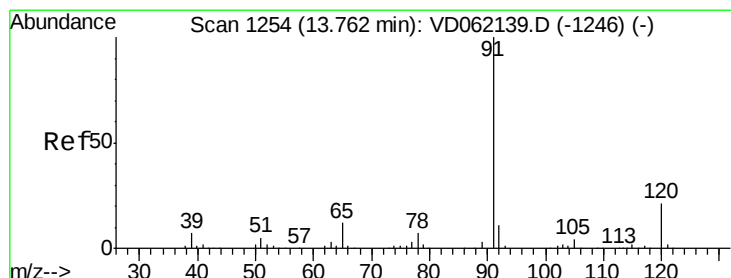
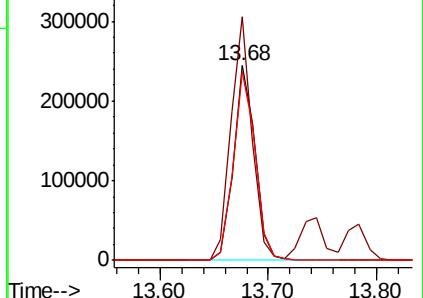
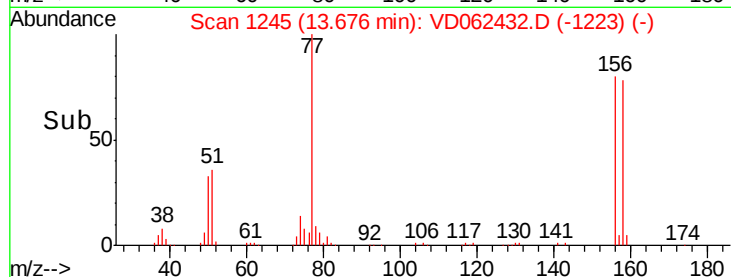
158 96.9 49.4 148.0



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: 56.656 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062432.D

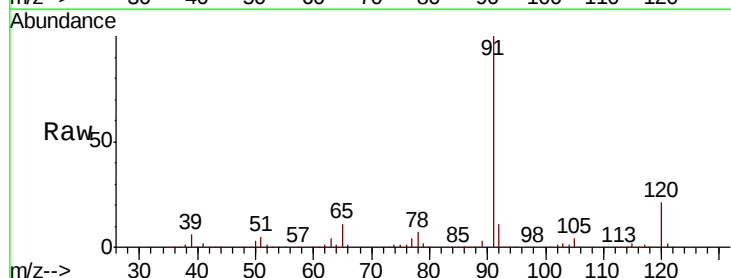
Acq: 17 May 2019 11:28

Tgt Ion: 91 Resp: 1560431

Ion Ratio Lower Upper

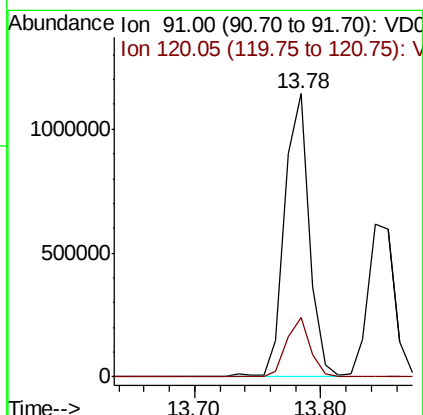
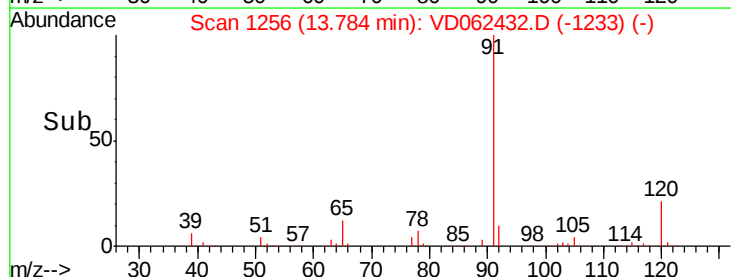
91 100

120 20.8 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: 57.048 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

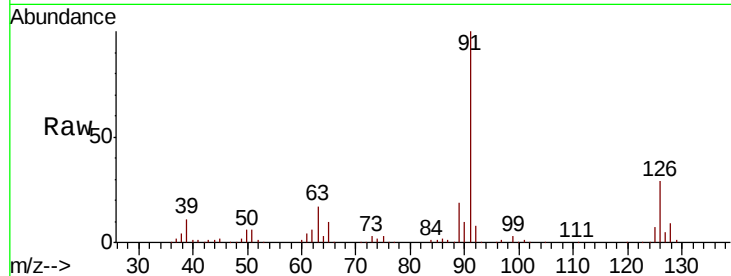
VSTDCCC050

Tgt Ion: 91 Resp: 899861

Ion Ratio Lower Upper

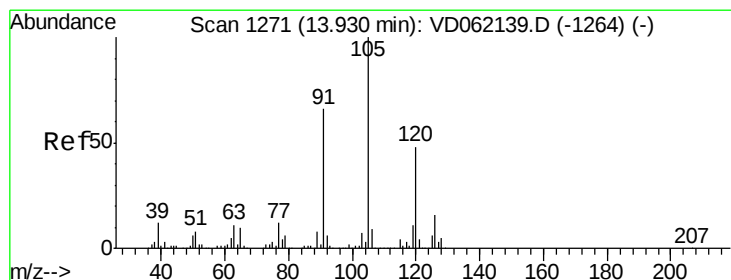
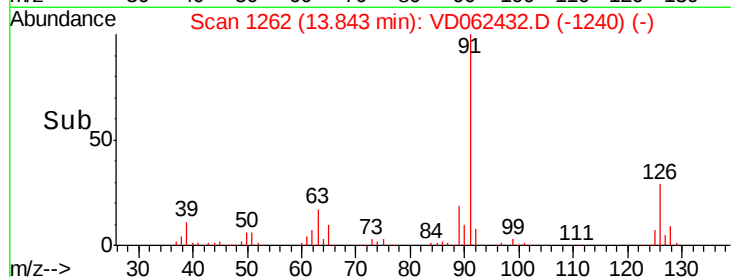
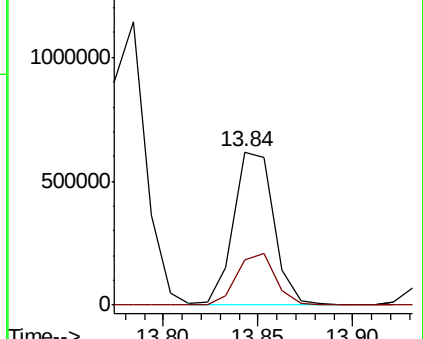
91 100

126 29.4 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: 55.677 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062432.D

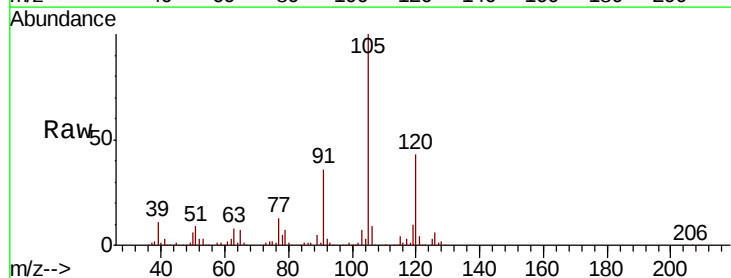
Acq: 17 May 2019 11:28

Tgt Ion: 105 Resp: 1082503

Ion Ratio Lower Upper

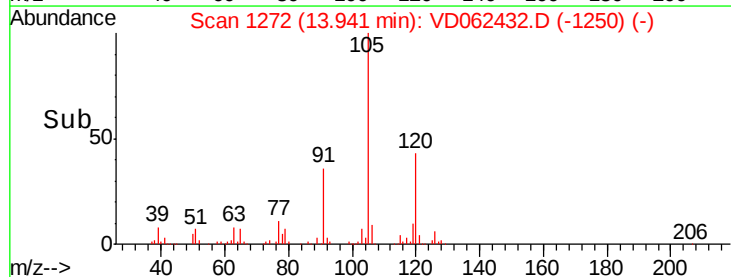
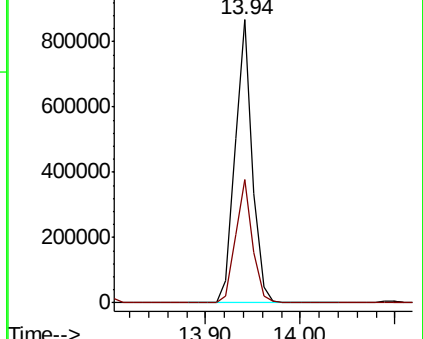
105 100

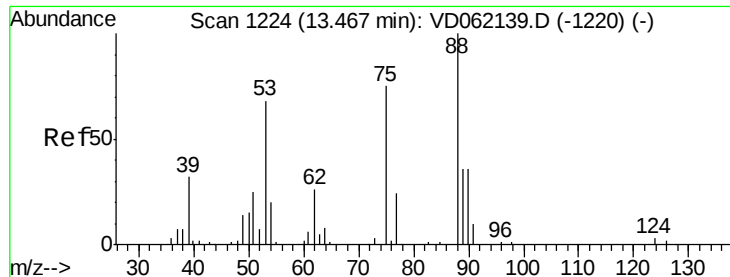
120 43.4 24.0 72.0



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: 55.608 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062432.D

Acq: 17 May 2019 11:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

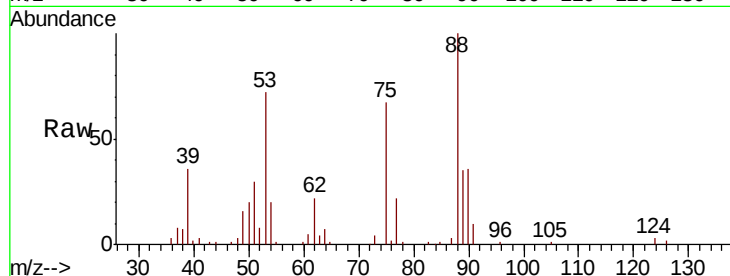
Tgt Ion: 75 Resp: 71859

Ion Ratio Lower Upper

75 100

53 107.9 65.8 98.8#

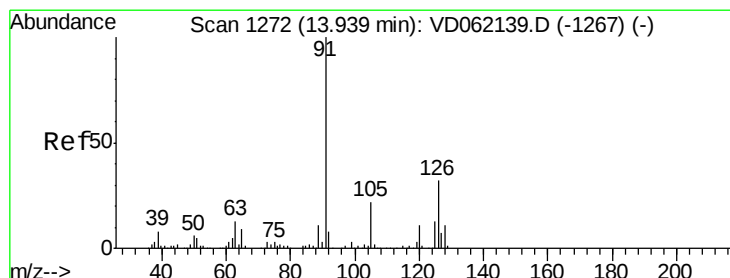
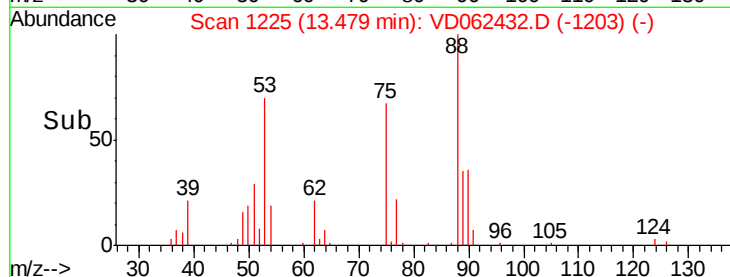
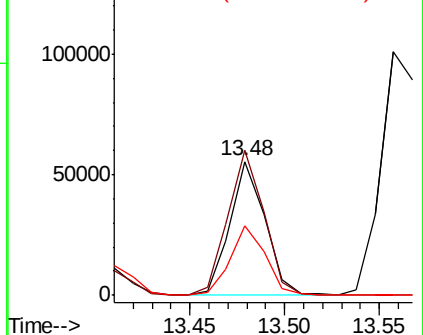
89 52.2 35.0 52.6



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: 54.884 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062432.D

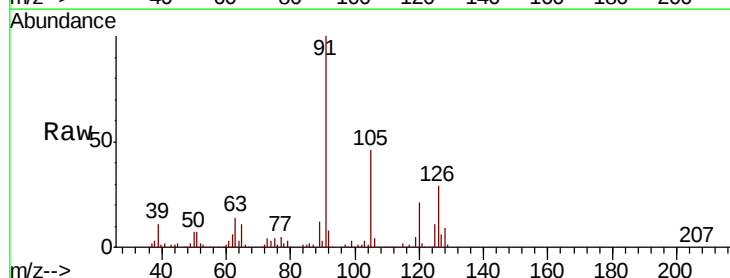
Acq: 17 May 2019 11:28

Tgt Ion: 91 Resp: 1018750

Ion Ratio Lower Upper

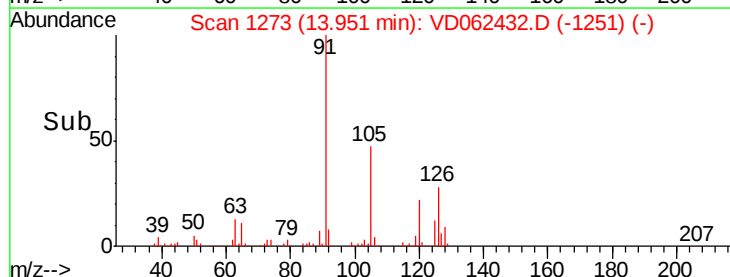
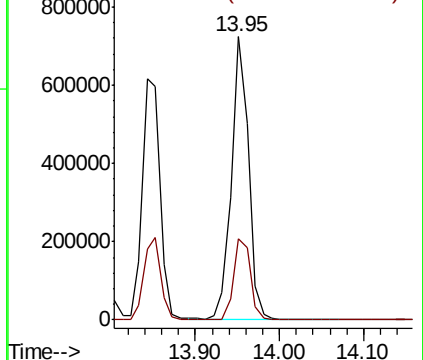
91 100

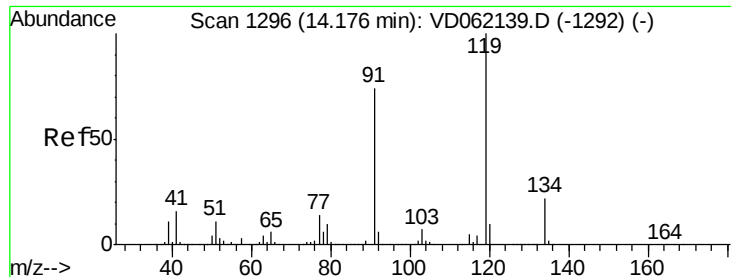
126 28.8 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

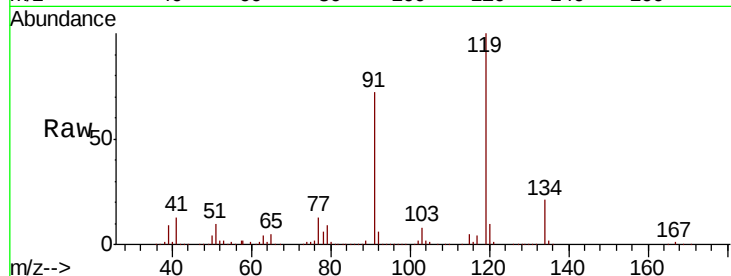




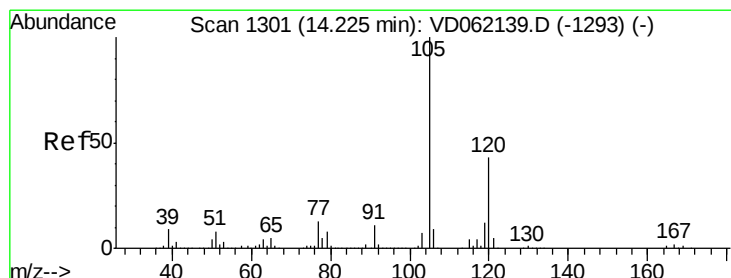
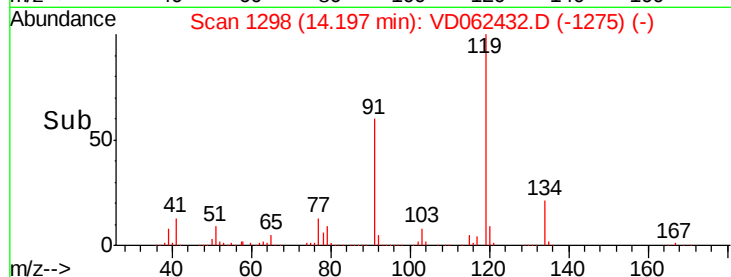
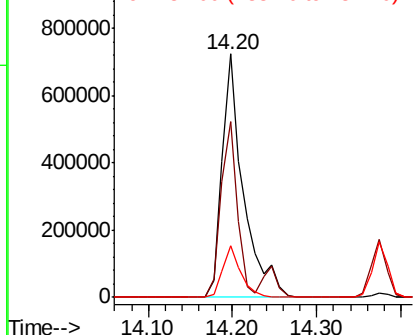
#83
tert-Butylbenzene
Concen: 58.430 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 1276879
Ion Ratio Lower Upper
119 100
91 72.0 34.2 102.6
134 21.0 12.0 36.0

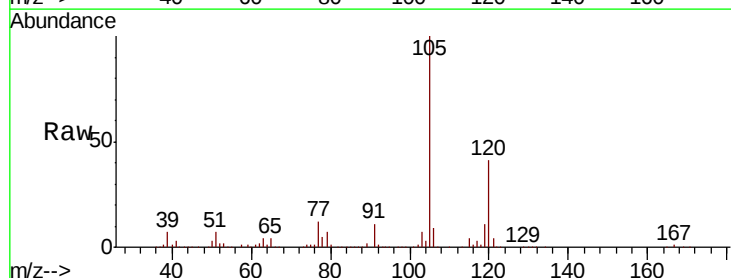


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

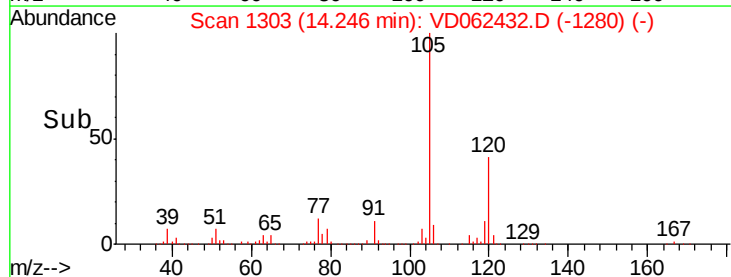
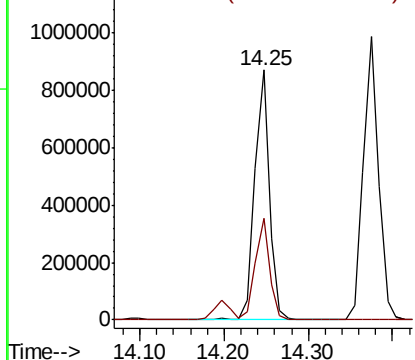


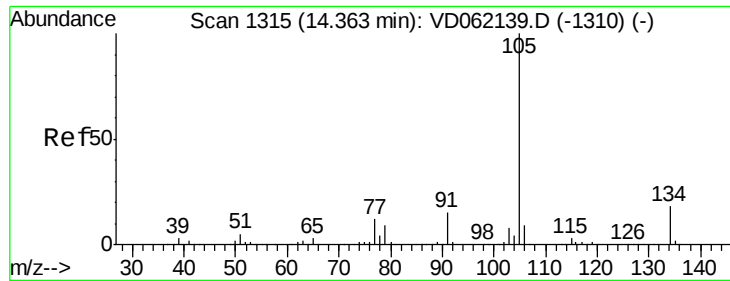
#84
1,2,4-Trimethylbenzene
Concen: 54.887 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion:105 Resp: 1070876
Ion Ratio Lower Upper
105 100
120 40.6 23.1 69.2



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

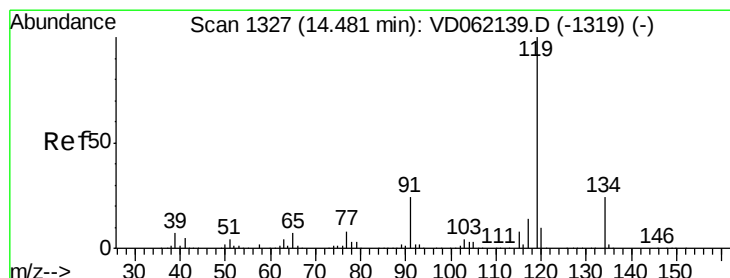
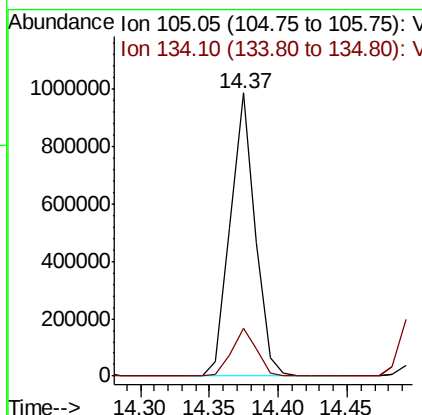
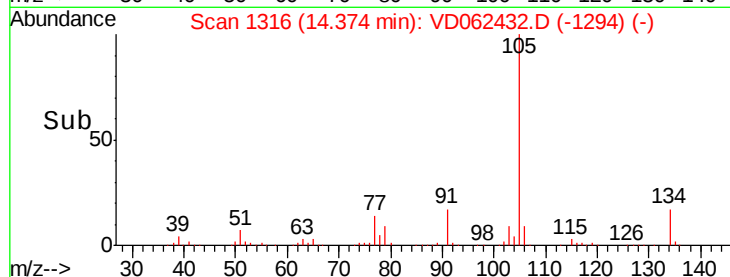
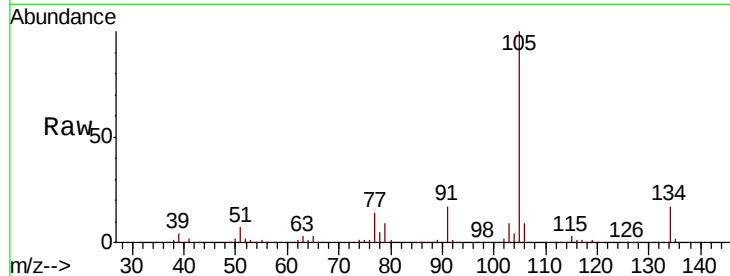




#85
 sec-Butylbenzene
 Concen: 51.621 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

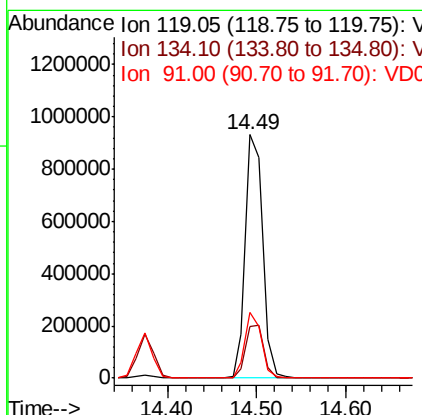
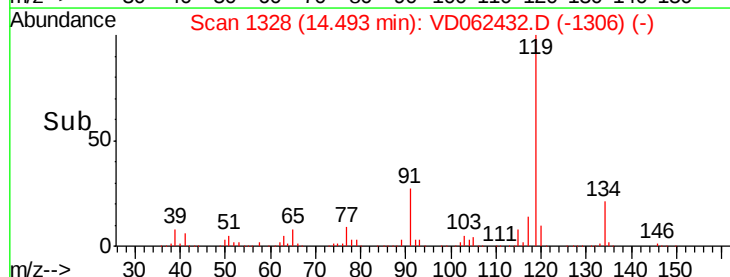
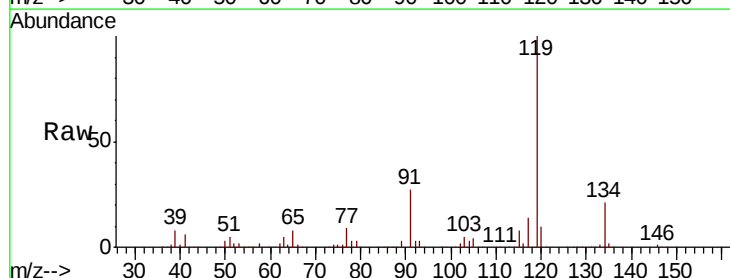
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

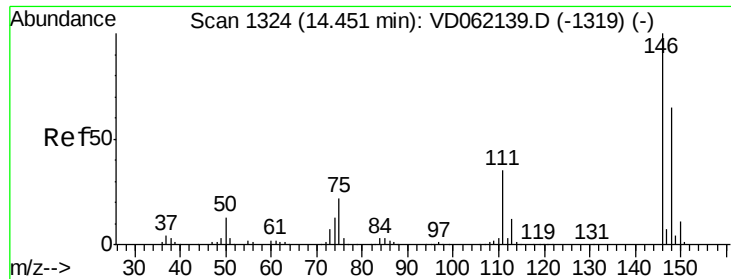
Tgt Ion:105 Resp: 1236840
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 58.821 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Tgt Ion:119 Resp: 1259159
 Ion Ratio Lower Upper
 119 100
 134 21.4 12.8 38.3
 91 27.2 10.7 32.1

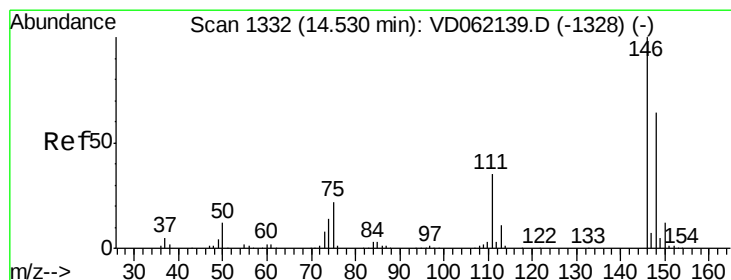
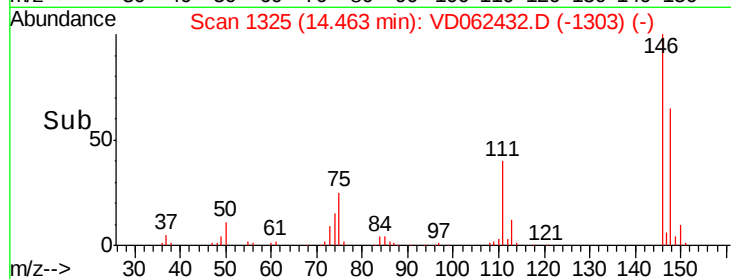
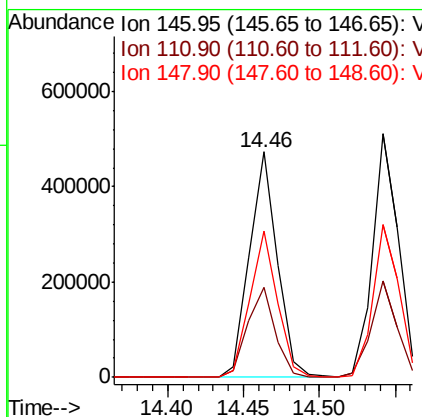
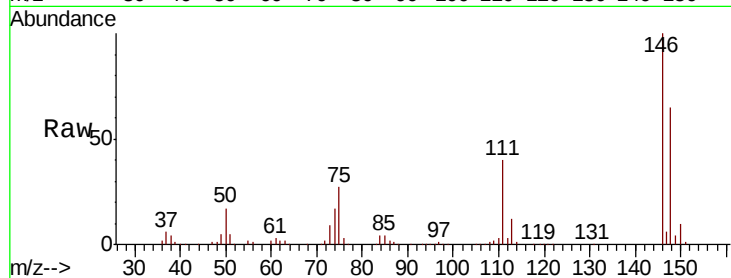




#87
 1,3-Dichlorobenzene
 Concen: 51.124 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

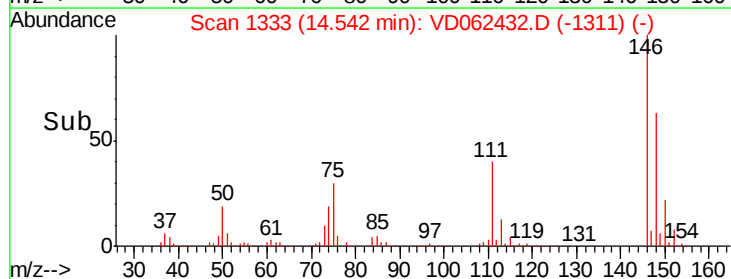
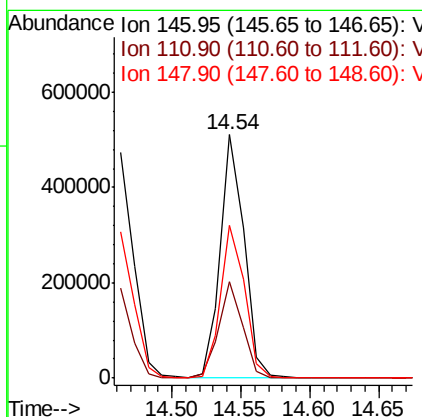
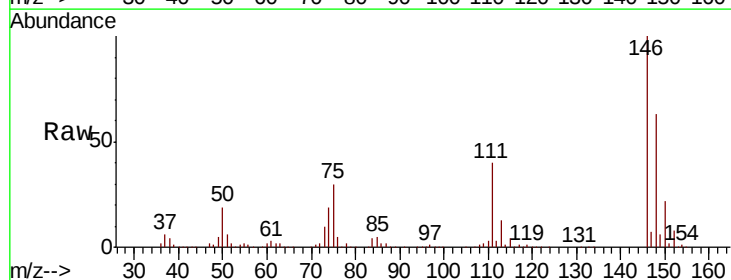
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 603617
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 60.0
 148 64.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 52.695 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Tgt Ion:146 Resp: 611320
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.2 60.5
 148 62.8 32.0 96.2

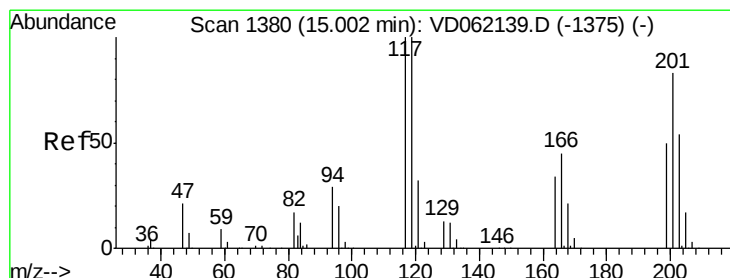
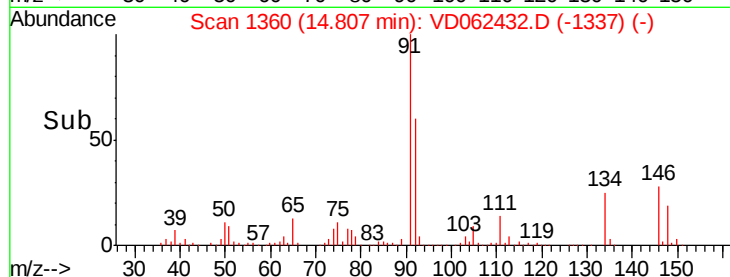
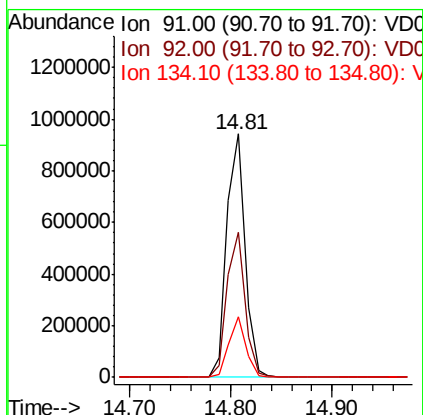
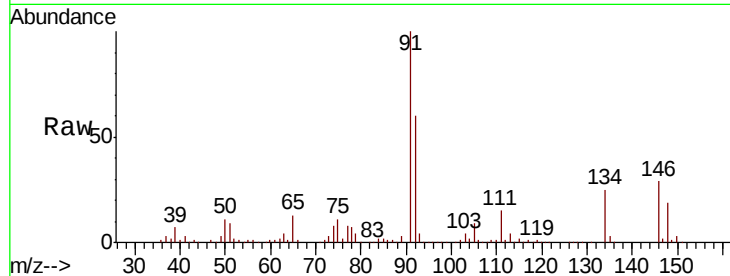




#89
n-Butylbenzene
Concen: 61.896 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

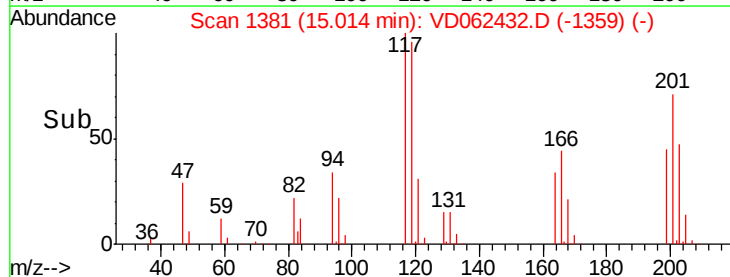
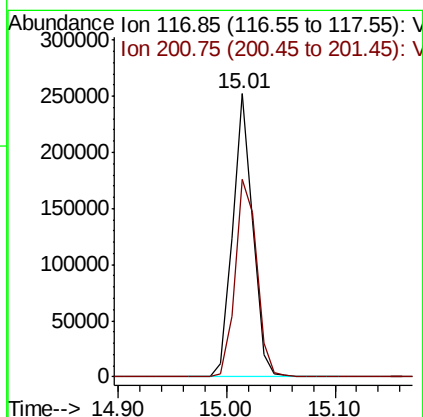
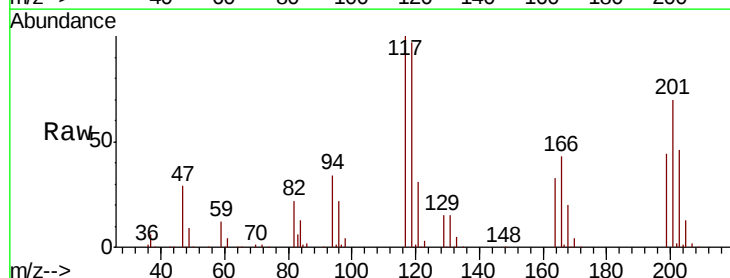
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

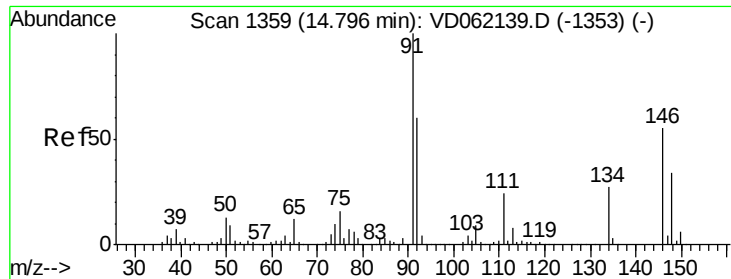
Tgt Ion: 91 Resp: 1189273
Ion Ratio Lower Upper
91 100
92 59.6 30.3 91.0
134 24.8 14.5 43.6



#90
Hexachloroethane
Concen: 56.009 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion: 117 Resp: 326057
Ion Ratio Lower Upper
117 100
201 69.9 30.2 90.6

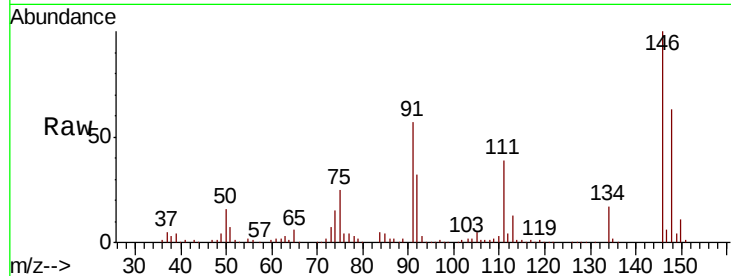




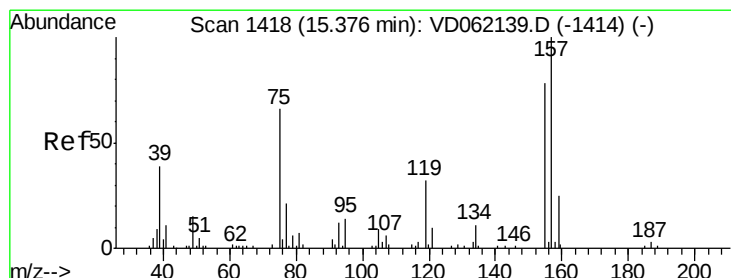
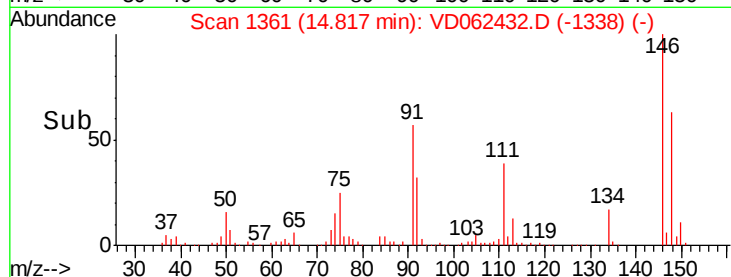
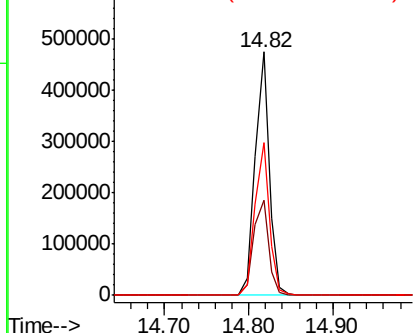
#91
 1,2-Dichlorobenzene
 Concen: 58.393 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 567799
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.0 59.9
 148 62.9 32.3 96.8

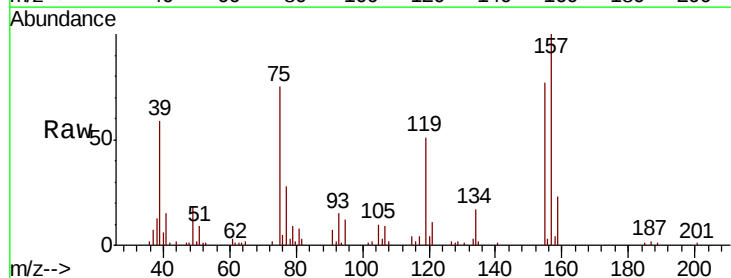


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

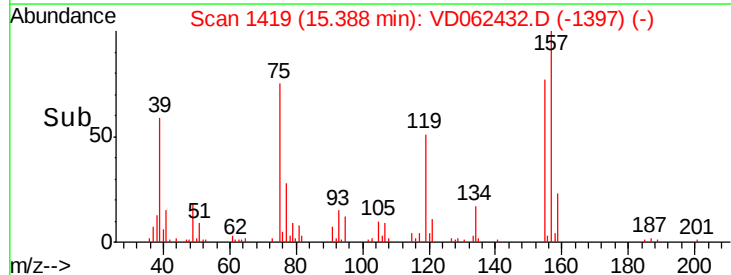
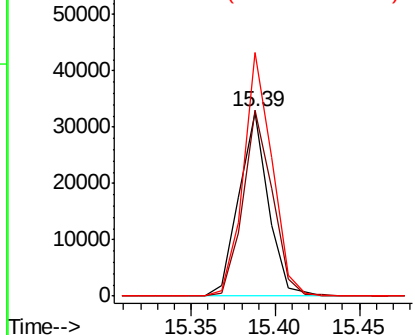


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.157 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Tgt Ion: 75 Resp: 39575
 Ion Ratio Lower Upper
 75 100
 155 101.4 55.3 165.8
 157 132.5 67.8 203.2



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

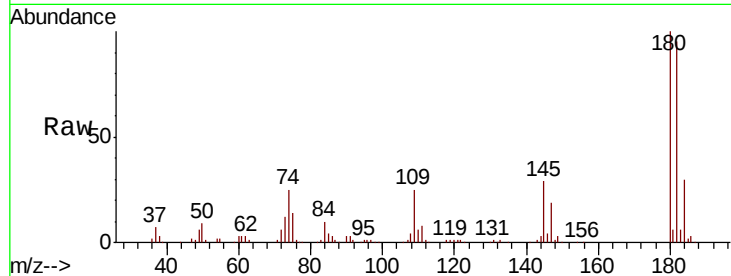




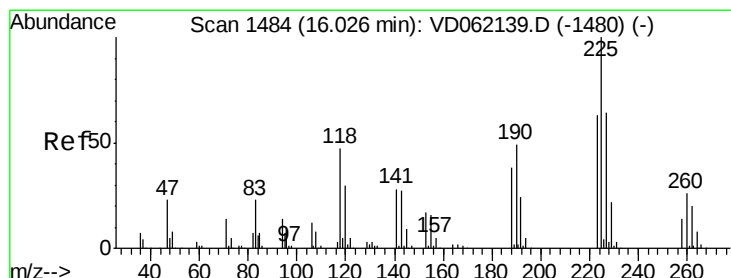
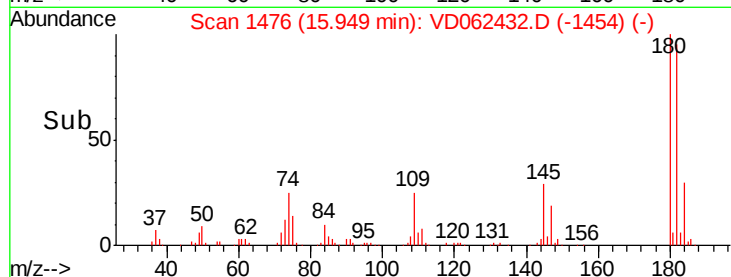
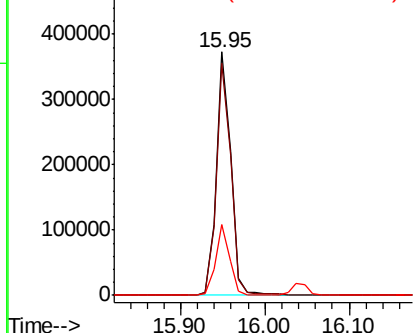
#93
 1,2,4-Trichlorobenzene
 Concen: 62.696 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 443735
 Ion Ratio Lower Upper
 180 100
 182 95.5 49.3 147.8
 145 29.1 16.2 48.6

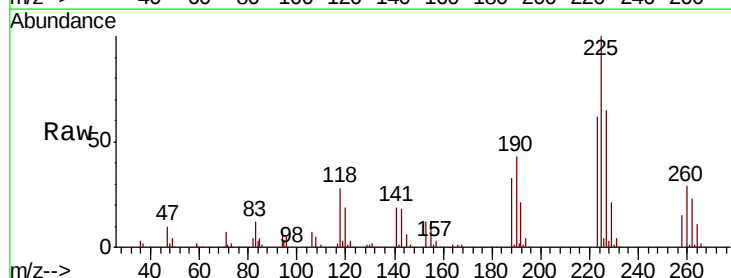


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

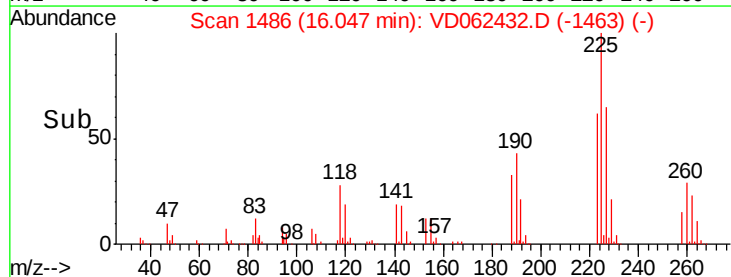
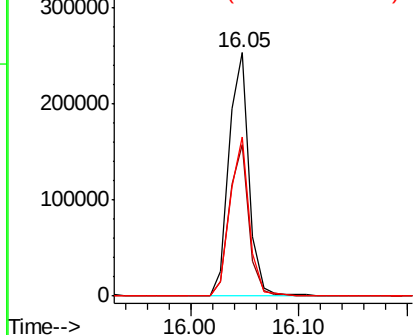


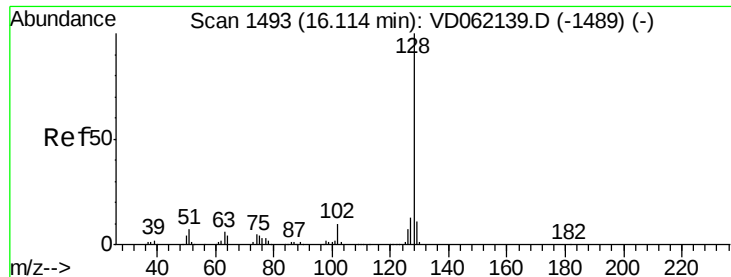
#94
 Hexachlorobutadiene
 Concen: 62.278 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062432.D
 Acq: 17 May 2019 11:28

Tgt Ion:225 Resp: 327832
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.6 92.0
 227 65.1 32.0 96.2



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

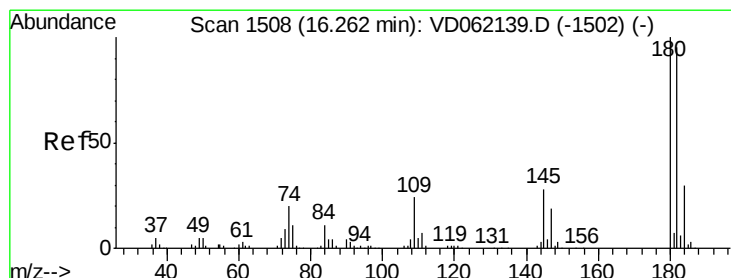
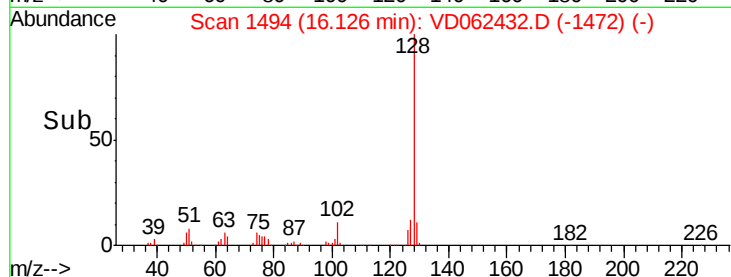
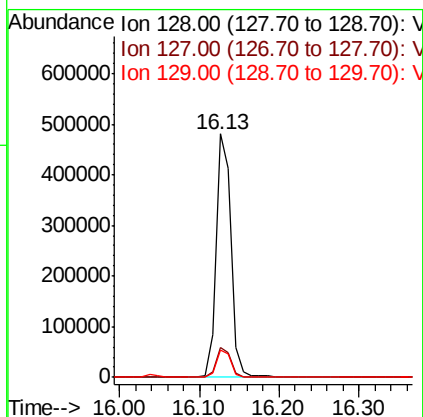
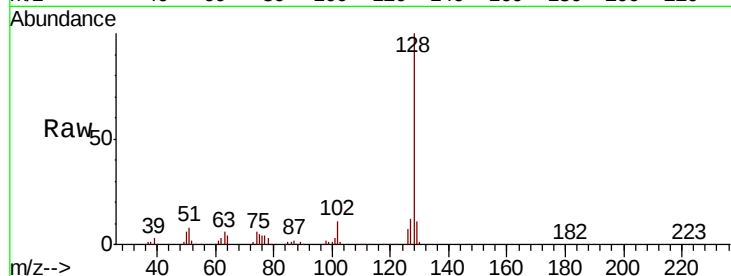




#95
Naphthalene
Concen: 64.030 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 632682
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 75.893 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062432.D
Acq: 17 May 2019 11:28

Tgt Ion:180 Resp: 337721
Ion Ratio Lower Upper
180 100
182 93.2 47.0 141.0
145 32.7 17.0 51.0

