

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
 Data File : VD063032.D
 Acq On : 8 Jul 2019 13:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 09 05:17:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	988710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1346490	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1105901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	572661	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	511169	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
35) Dibromofluoromethane	6.93	113	542885	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
50) Toluene-d8	10.41	98	1141155	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
62) 4-Bromofluorobenzene	13.56	95	524208	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	546246	42.695	ug/l	99
3) Chloromethane	1.75	50	431255	44.819	ug/l	99
4) Vinyl Chloride	1.85	62	459041	48.116	ug/l	96
5) Bromomethane	2.15	94	213431	47.771	ug/l	98
6) Chloroethane	2.27	64	226863	52.524	ug/l #	88
7) Trichlorofluoromethane	2.54	101	986259	51.081	ug/l	96
8) Diethyl Ether	2.87	74	127224	51.861	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	573499	54.828	ug/l	93
10) Methyl Iodide	3.30	142	729644	52.874	ug/l	99
11) Tert butyl alcohol	4.08	59	132456	270.609	ug/l	98
12) 1,1-Dichloroethene	3.13	96	409057	52.131	ug/l	86
13) Acrolein	3.04	56	107834	215.799	ug/l	94
14) Allyl chloride	3.62	41	608752	52.504	ug/l	97
15) Acrylonitrile	4.20	53	307862	267.675	ug/l	97
16) Acetone	3.23	43	591497	272.017	ug/l	95
17) Carbon Disulfide	3.37	76	1142893	45.574	ug/l	95
18) Methyl Acetate	3.64	43	167817	51.727	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	966842	56.918	ug/l	97
20) Methylene Chloride	3.82	84	422027	51.490	ug/l	92
21) trans-1,2-Dichloroethene	4.22	96	444981	53.259	ug/l	88
22) Diisopropyl ether	5.13	45	1280843	54.321	ug/l	94
23) Vinyl Acetate	5.07	43	4038334	273.704	ug/l	100
24) 1,1-Dichloroethane	4.99	63	790686	51.505	ug/l	99
25) 2-Butanone	6.07	43	550874	274.061	ug/l	97
26) 2,2-Dichloropropane	6.02	77	914050	56.173	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	463642	52.476	ug/l	95
28) Bromochloromethane	6.44	49	265225	49.053	ug/l	84
29) Tetrahydrofuran	6.46	42	256880	270.108	ug/l	96
30) Chloroform	6.67	83	986349	52.831	ug/l	100
31) Cyclohexane	6.96	56	535494	53.060	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	1020940	52.501	ug/l	96
36) 1,1-Dichloropropene	7.15	75	645274	50.624	ug/l	95
37) Ethyl Acetate	6.19	43	271589	50.739	ug/l	97
38) Carbon Tetrachloride	7.11	117	969999m	50.600	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	597943	53.293	ug/l	98
40) Benzene	7.46	78	1371638	53.609	ug/l	96
41) Methacrylonitrile	6.45	41	346885	51.605	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	714347	51.179	ug/l	99
43) Isopropyl Acetate	9.24	43	348323	52.125	ug/l	92
44) Trichloroethene	8.54	130	543017	54.135	ug/l	95
45) 1,2-Dichloropropane	8.95	63	340500	53.520	ug/l	97
46) Dibromomethane	9.06	93	276211	50.540	ug/l	98
47) Bromodichloromethane	9.38	83	746463	52.592	ug/l	100
48) Methyl methacrylate	9.12	41	243007	51.172	ug/l	96
49) 1,4-Dioxane	9.08	88	41240	1043.828	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	1230125	259.637	ug/l	100
52) Toluene	10.51	92	924649	53.762	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	605137	52.090	ug/l	93
54) cis-1,3-Dichloropropene	10.04	75	688398	54.518	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	307346	52.014	ug/l	92
56) Ethyl methacrylate	11.04	69	347490	55.028	ug/l	97
57) 1,3-Dichloropropane	11.42	76	482417	53.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	794029	244.926	ug/l	93
59) 2-Hexanone	11.53	43	977412	289.667	ug/l	98
60) Dibromochloromethane	11.69	129	560405	50.917	ug/l	93
61) 1,2-Dibromoethane	11.81	107	365410	52.361	ug/l	97
64) Tetrachloroethene	11.26	164	480722	52.816	ug/l	98
65) Chlorobenzene	12.40	112	1160142	56.525	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	514924	53.647	ug/l	91
67) Ethyl Benzene	12.53	91	2023514	54.913	ug/l	100
68) m/p-Xylenes	12.67	106	1402935	109.312	ug/l	94
69) o-Xylene	13.05	106	634987	54.122	ug/l	100
70) Styrene	13.07	104	1104597	53.602	ug/l	97
71) Bromoform	13.24	173	357388	54.345	ug/l	99
73) Isopropylbenzene	13.40	105	1902283	51.808	ug/l	99
74) N-amyl acetate	13.27	43	536502	60.167	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	348949	58.327	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	385710	58.344	ug/l	95
77) Bromobenzene	13.67	156	544044	55.087	ug/l	89
78) n-propylbenzene	13.78	91	2474688	57.906	ug/l	98
79) 2-Chlorotoluene	13.84	91	1411794	57.806	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1697372	55.035	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	101345	58.492	ug/l	97
82) 4-Chlorotoluene	13.95	91	1608275	54.698	ug/l	95
83) tert-Butylbenzene	14.19	119	1971047	57.335	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1671282	52.870	ug/l	99
85) sec-Butylbenzene	14.37	105	2009456	53.781	ug/l	97
86) p-Isopropyltoluene	14.50	119	1858027	54.357	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	904278	51.079	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	999953	56.236	ug/l	96
89) n-Butylbenzene	14.80	91	1739895	54.383	ug/l	95
90) Hexachloroethane	15.01	117	527493	57.395	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	859506	56.745	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	66335	56.809	ug/l #	54

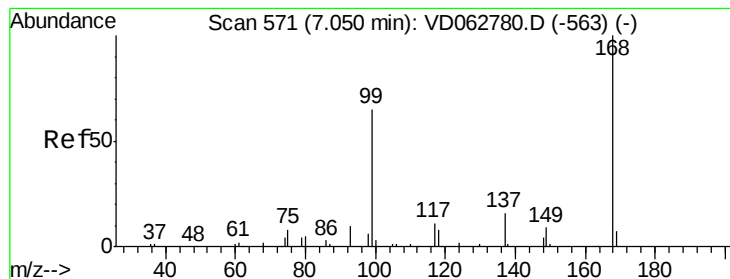
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	623957	52.734	ug/l	98
94) Hexachlorobutadiene	16.04	225	479009	52.992	ug/l	97
95) Naphthalene	16.12	128	901956	54.387	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	474940	52.243	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

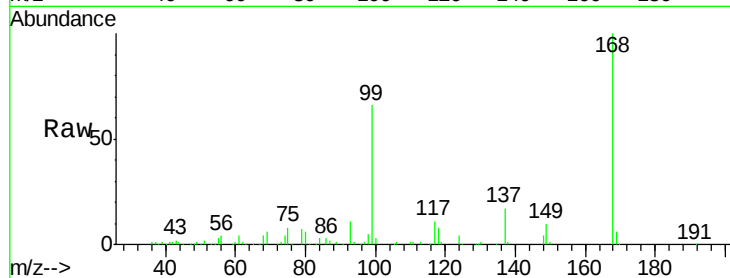
VSTDCCC050

Tot Ion:168 Resp: 988710

Ion Ratio Lower Upper

168 100

99 65.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

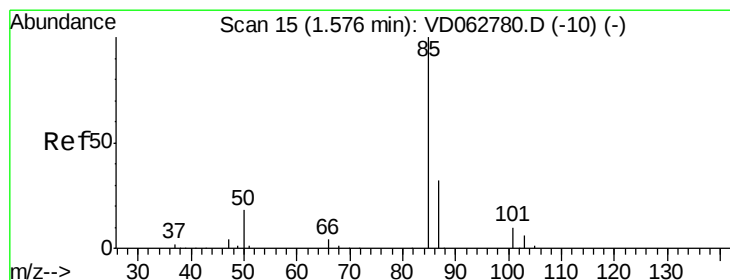
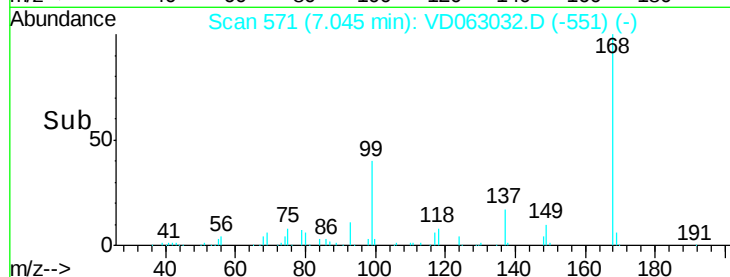
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 42.695 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063032.D

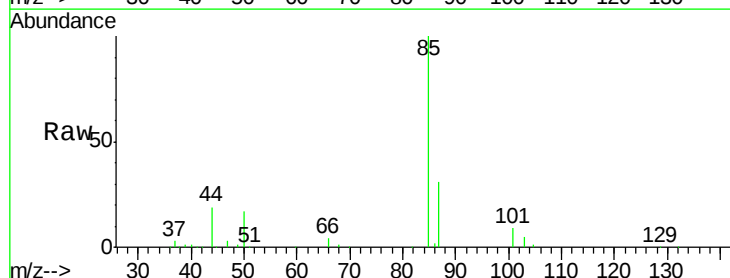
Acq: 8 Jul 2019 13:04

Tgt Ion: 85 Resp: 546246

Ion Ratio Lower Upper

85 100

87 30.9 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

250000

200000

150000

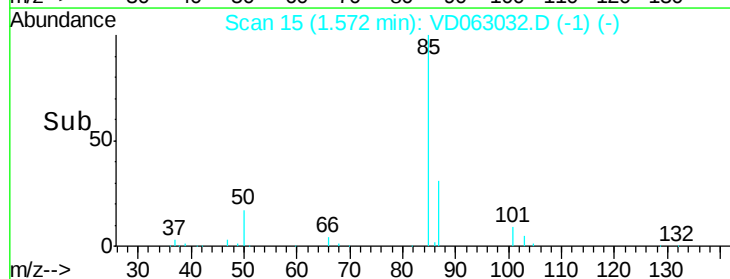
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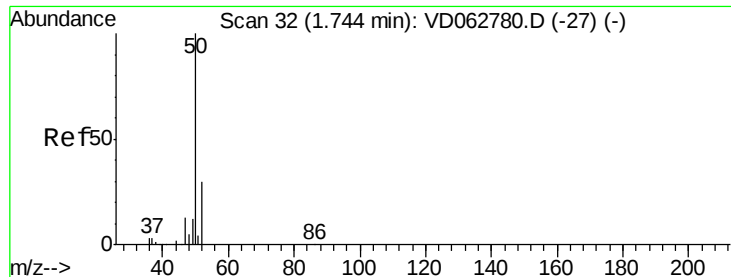
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 44.819 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

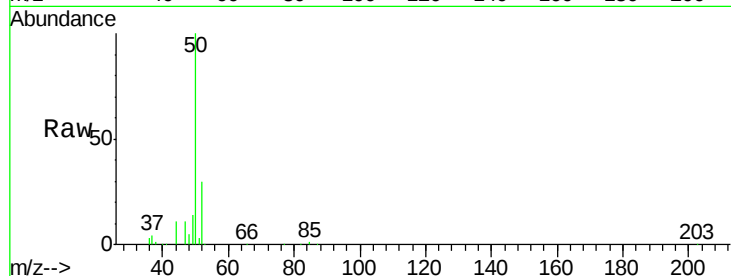
VSTDCCC050

Tot Ion: 50 Resp: 431255

Ion Ratio Lower Upper

50 100

52 30.3 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

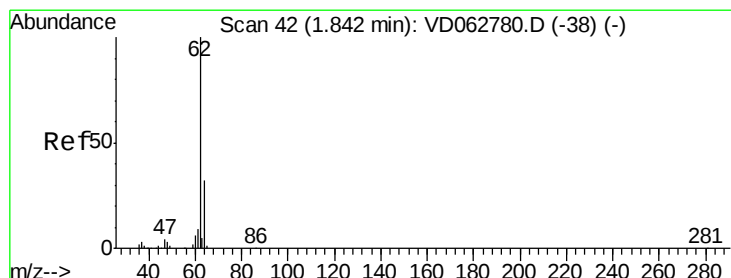
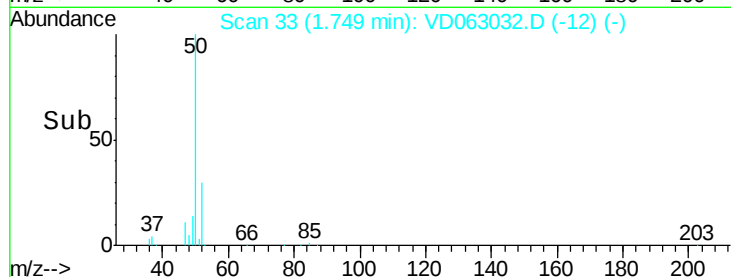
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.116 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063032.D

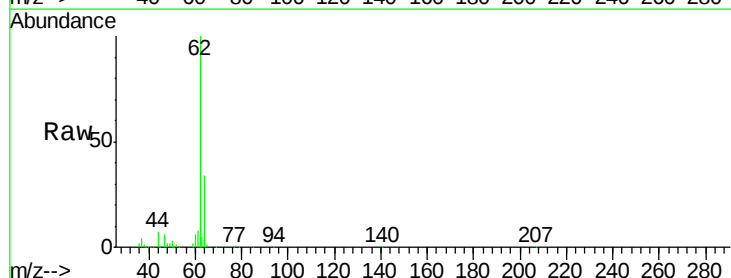
Acq: 8 Jul 2019 13:04

Tgt Ion: 62 Resp: 459041

Ion Ratio Lower Upper

62 100

64 34.5 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

250000

200000

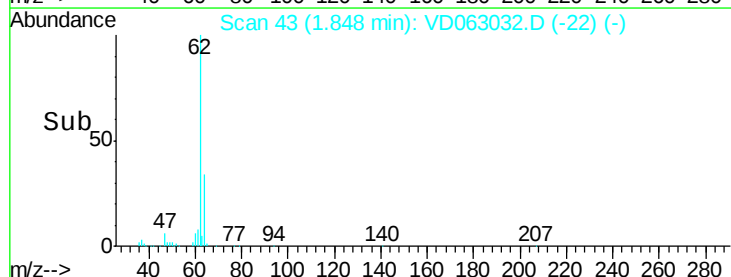
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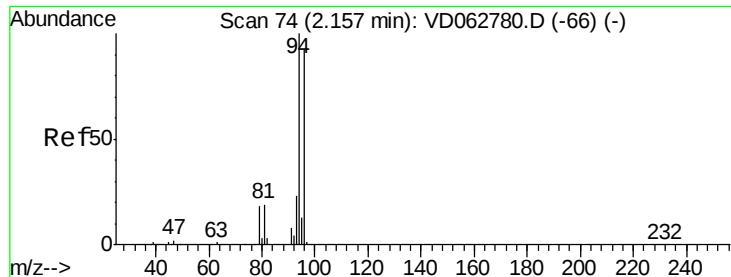
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.771 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

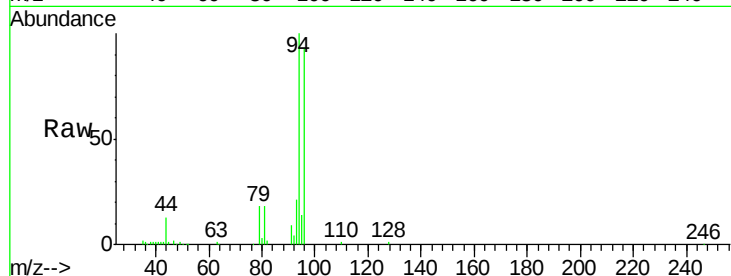
Tot Ion: 94 Resp: 213431

Ion Ratio Lower Upper

94 100

96 92.8 73.4 110.2

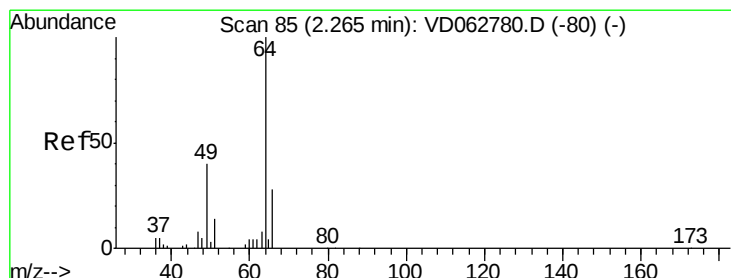
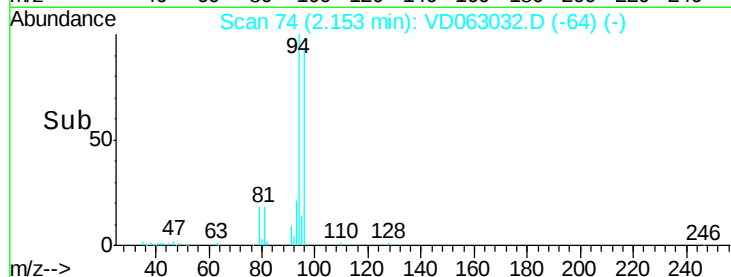
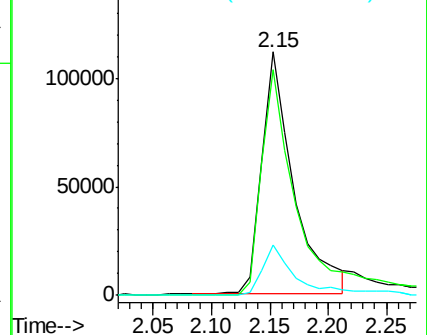
93 20.7 18.2 27.4



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: 52.524 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063032.D

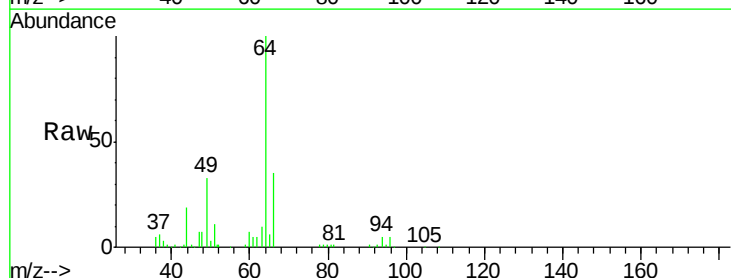
Acq: 8 Jul 2019 13:04

Tgt Ion: 64 Resp: 226863

Ion Ratio Lower Upper

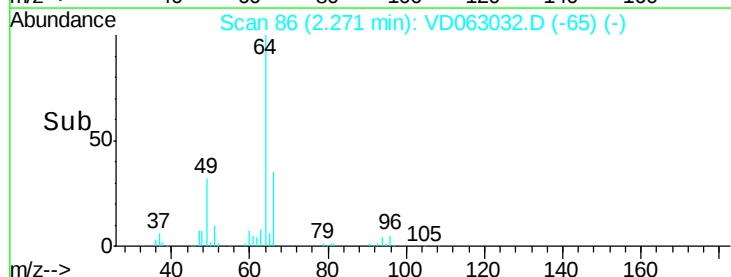
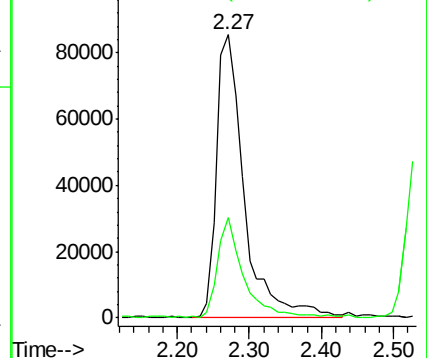
64 100

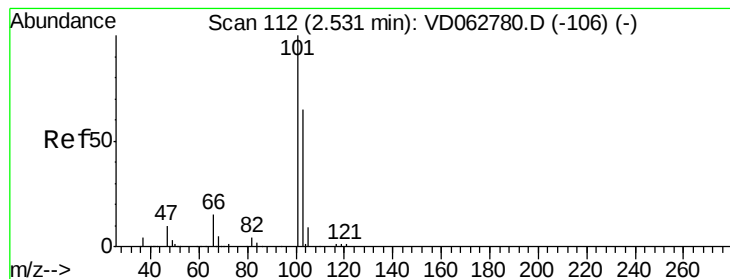
66 35.3 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



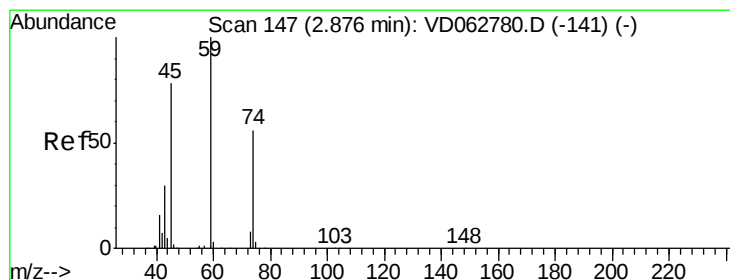
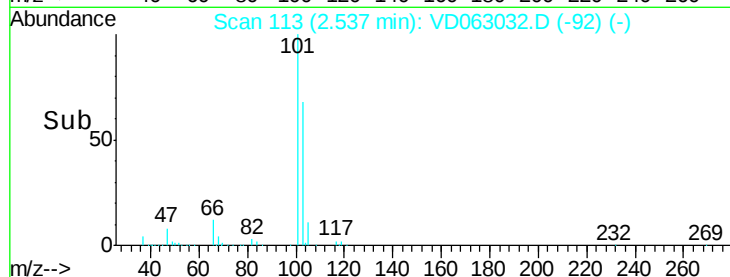
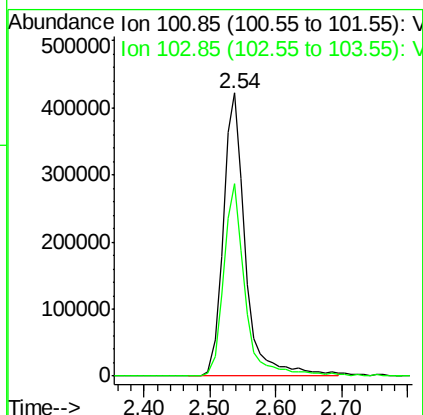
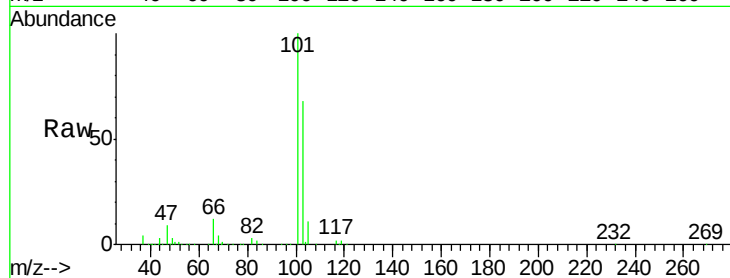


#7

Trichlorofluoromethane
 Concen: 51.081 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Instrument :
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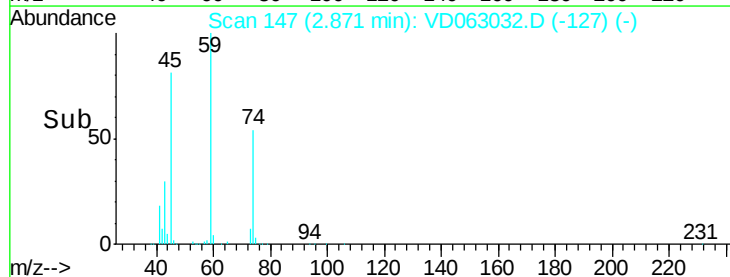
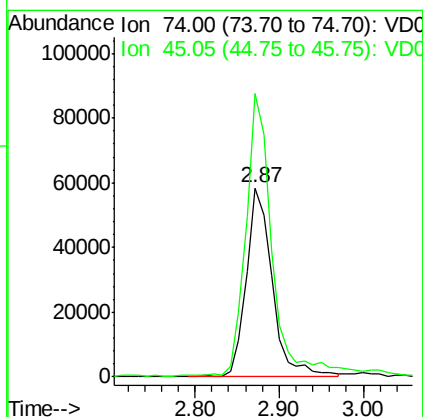
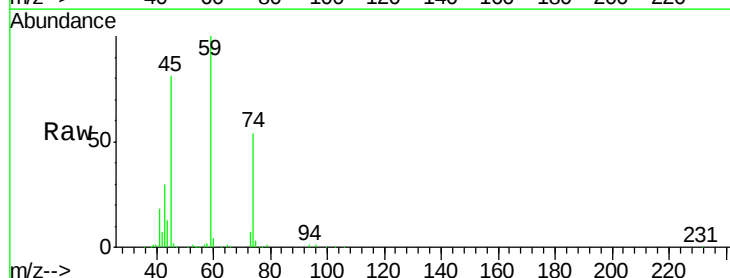
Tot Ion:101 Resp: 986259
 Ion Ratio Lower Upper
 101 100
 103 68.1 51.8 77.8

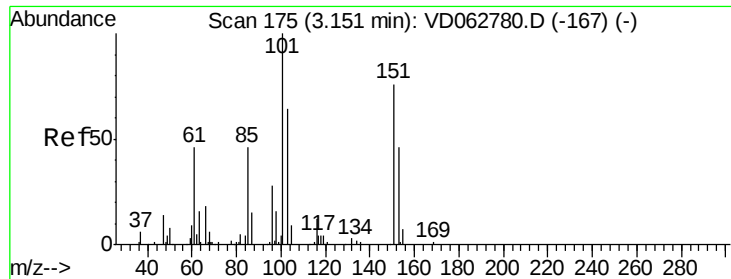


#8

Diethyl Ether
 Concen: 51.861 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Tgt Ion: 74 Resp: 127224
 Ion Ratio Lower Upper
 74 100
 45 149.7 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.828 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

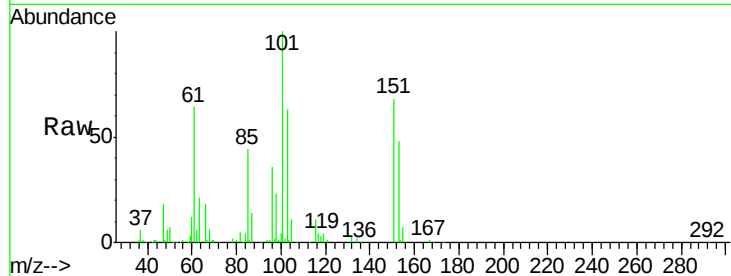
Tot Ion:101 Resp: 573499

Ion Ratio Lower Upper

101 100

85 43.8 37.0 55.4

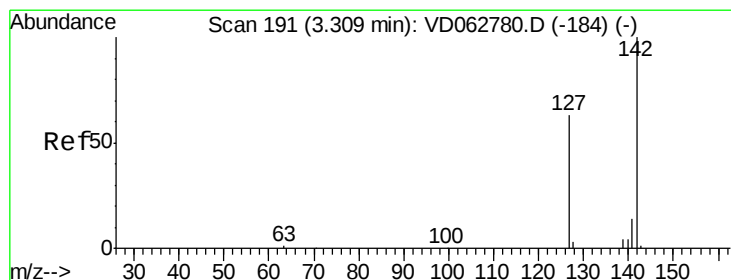
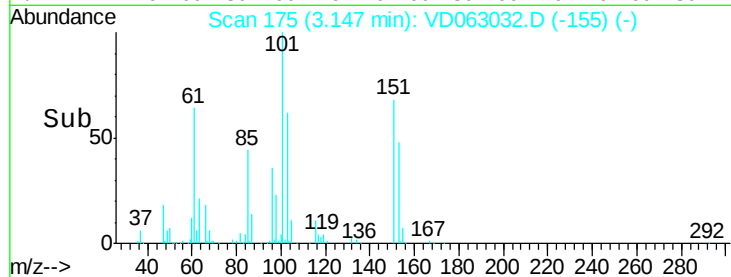
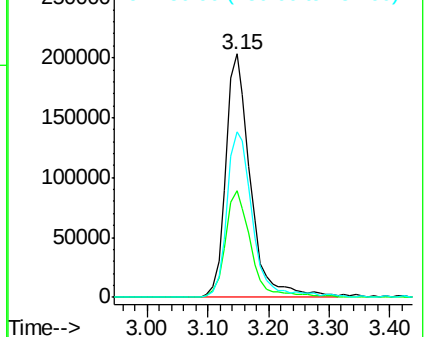
151 68.2 60.5 90.7



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: 52.874 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

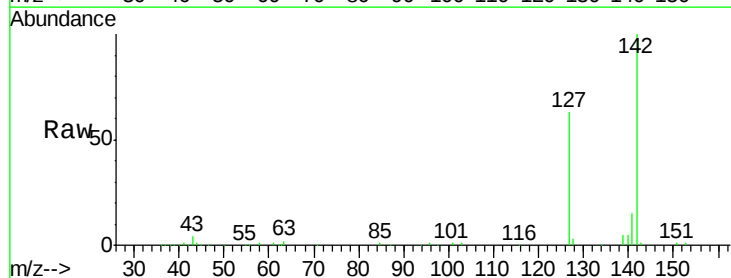
Tgt Ion:142 Resp: 729644

Ion Ratio Lower Upper

142 100

127 63.3 50.1 75.1

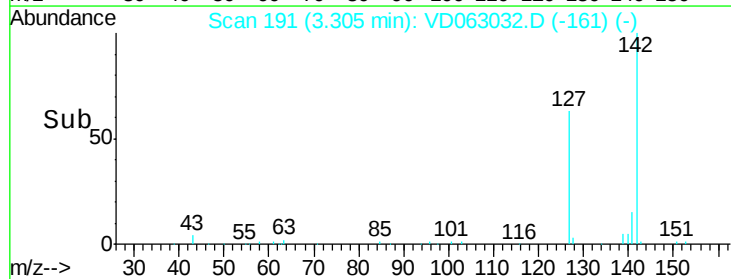
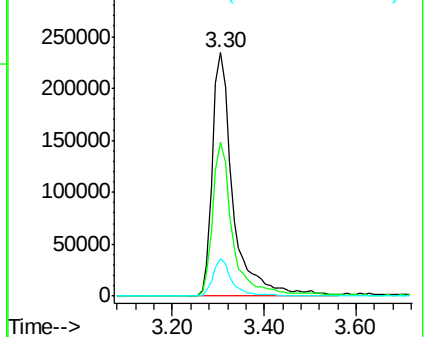
141 15.3 11.0 16.4

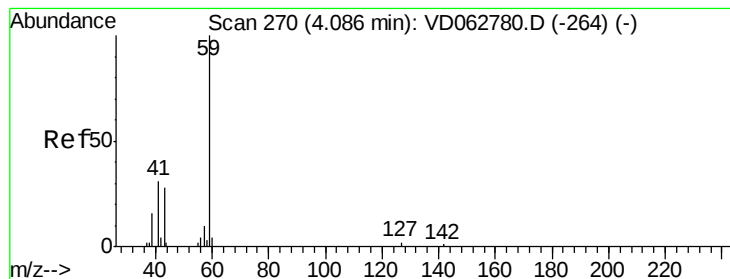


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



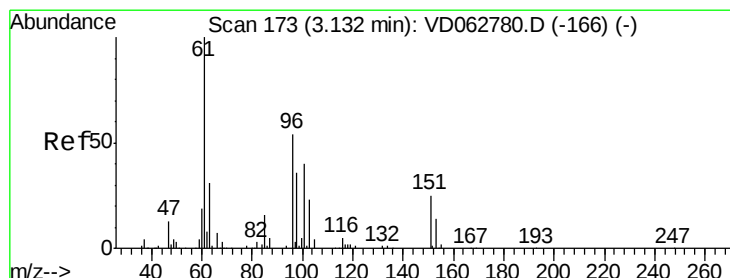
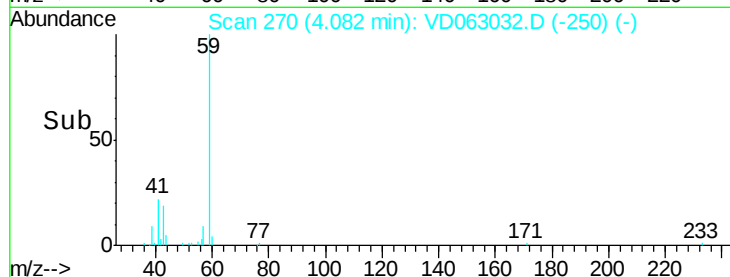
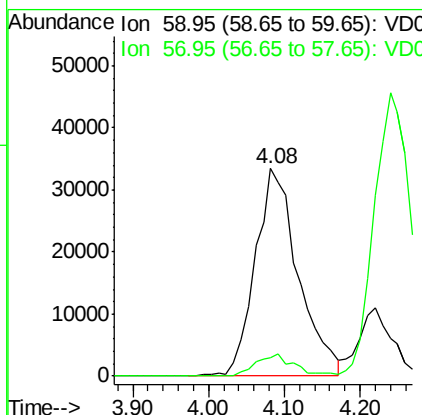
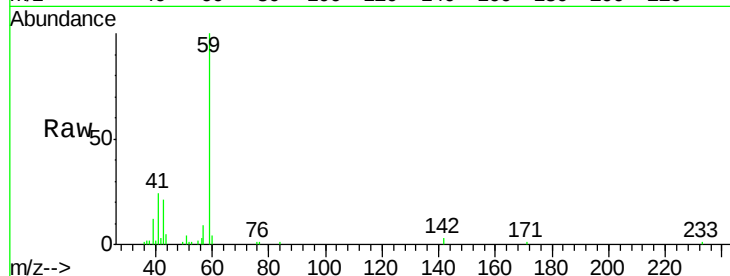


#11

Tert butyl alcohol
 Concen: 270.609 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

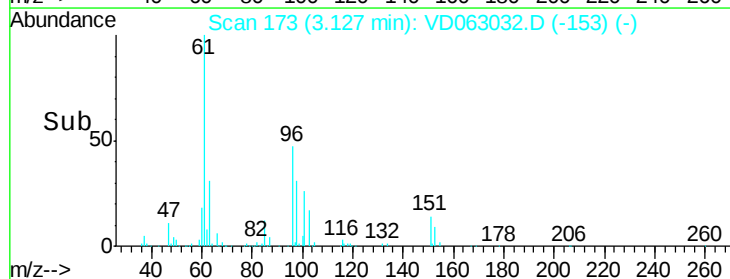
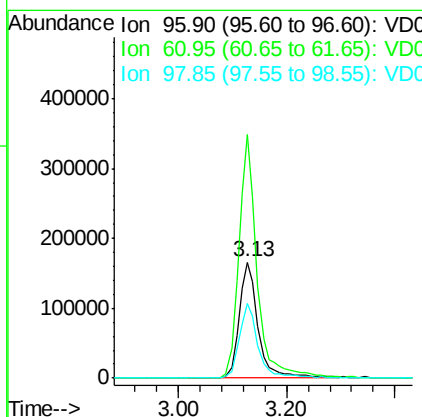
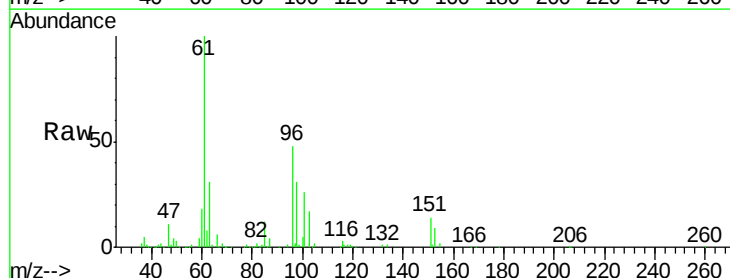
Tot Ion: 59 Resp: 132456
 Ion Ratio Lower Upper
 59 100
 57 9.1 6.6 10.0

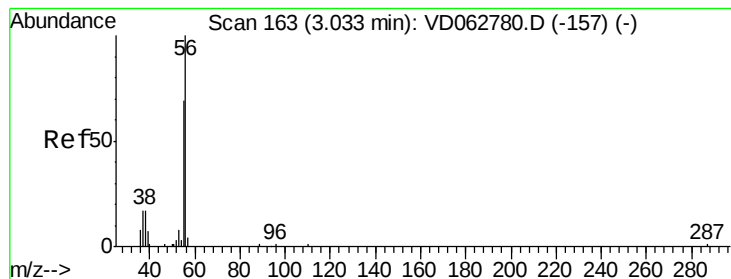


#12

1,1-Dichloroethene
 Concen: 52.131 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Tgt Ion: 96 Resp: 409057
 Ion Ratio Lower Upper
 96 100
 61 210.1 147.1 220.7
 98 64.9 52.6 79.0





#13

Acrolein

Concen: 215.799 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

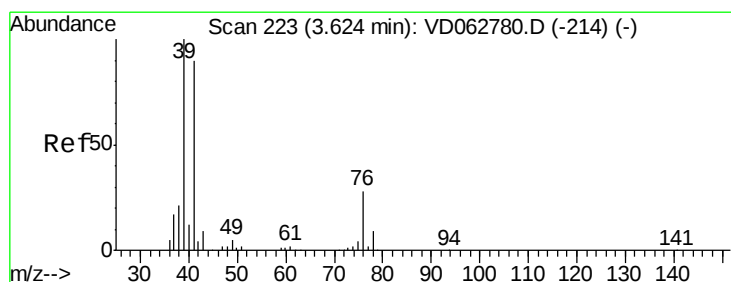
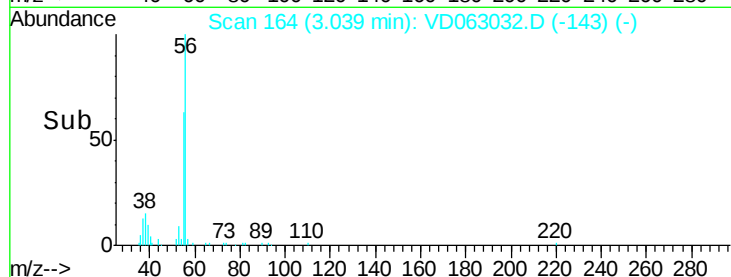
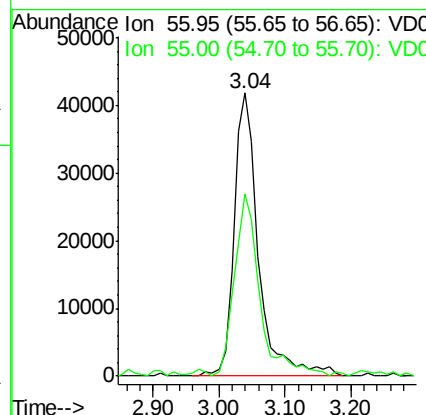
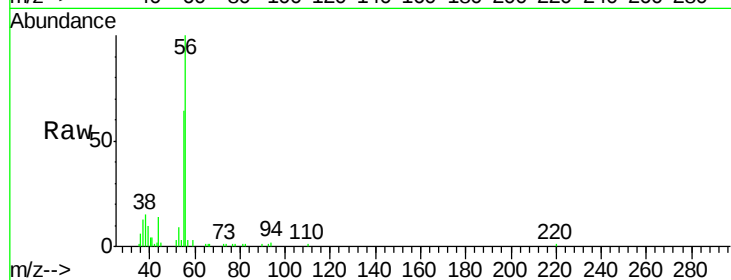
VSTDCCC050

Tot Ion: 56 Resp: 107834

Ion Ratio Lower Upper

56 100

55 64.2 55.4 83.0



#14

Allyl chloride

Concen: 52.504 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

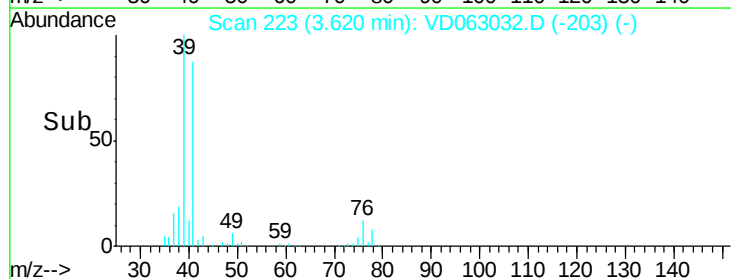
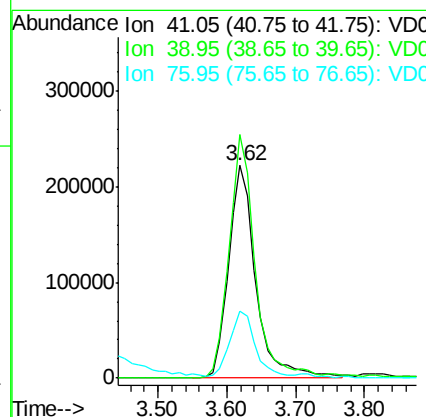
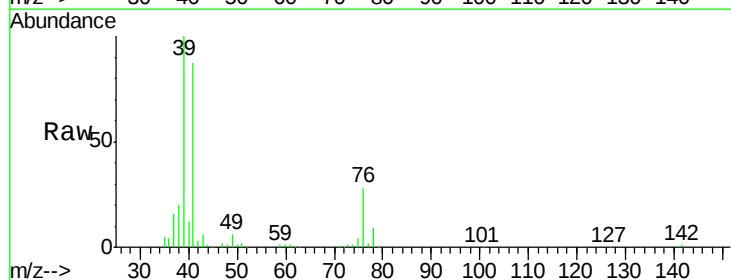
Tgt Ion: 41 Resp: 608752

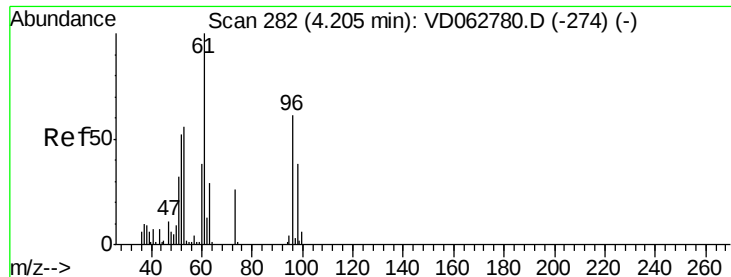
Ion Ratio Lower Upper

41 100

39 114.6 88.8 133.2

76 31.5 26.7 40.1





#15

Acrylonitrile

Concen: 267.675 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

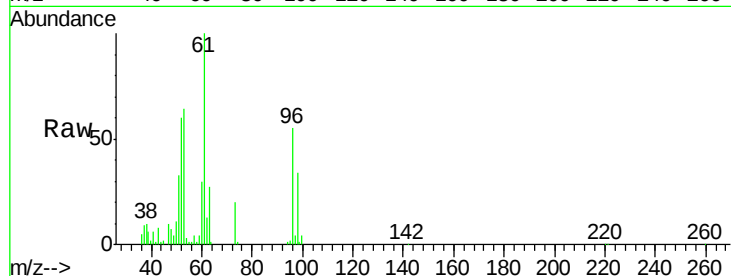
Tot Ion: 53 Resp: 307862

Ion Ratio Lower Upper

53 100

52 93.2 73.3 109.9

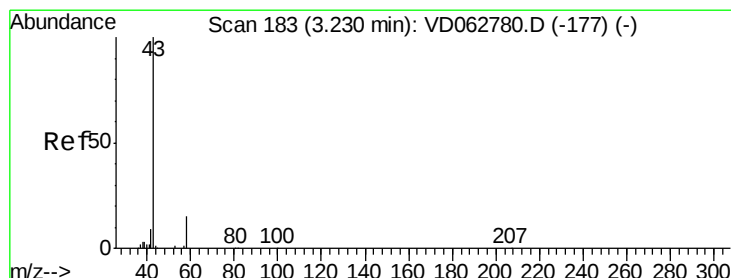
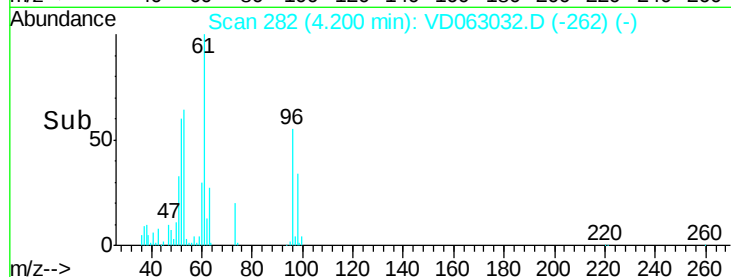
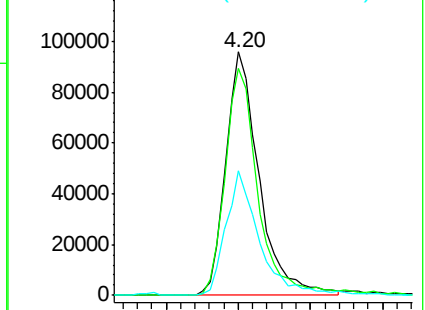
51 51.4 44.8 67.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 272.017 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063032.D

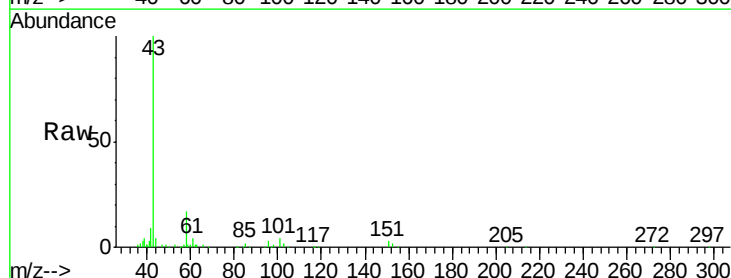
Acq: 8 Jul 2019 13:04

Tgt Ion: 43 Resp: 591497

Ion Ratio Lower Upper

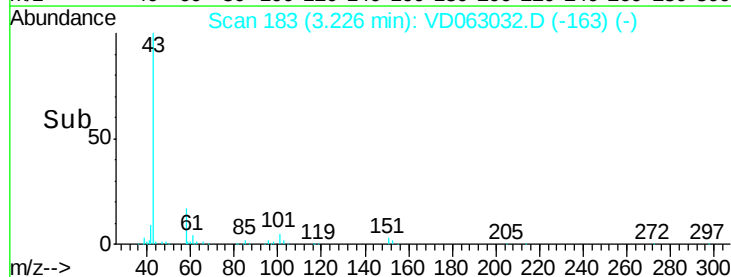
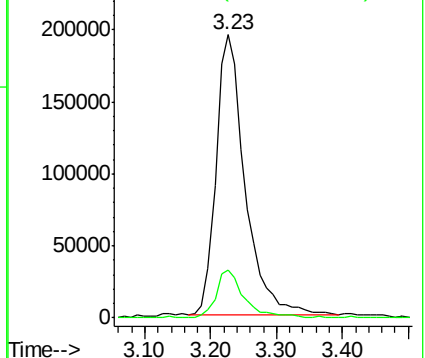
43 100

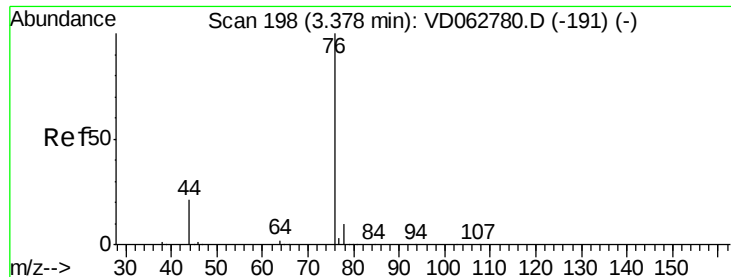
58 17.0 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

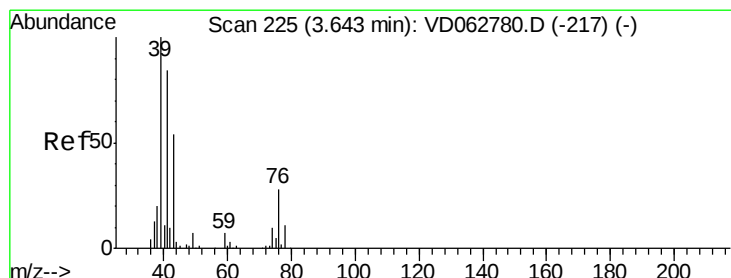
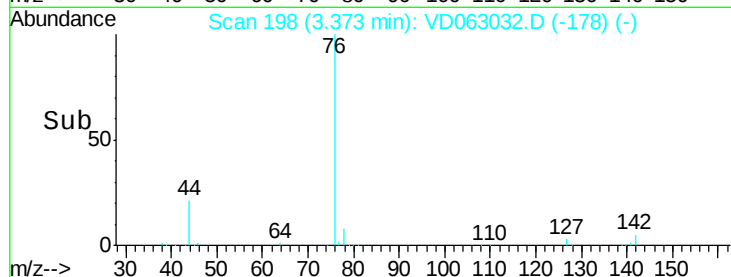
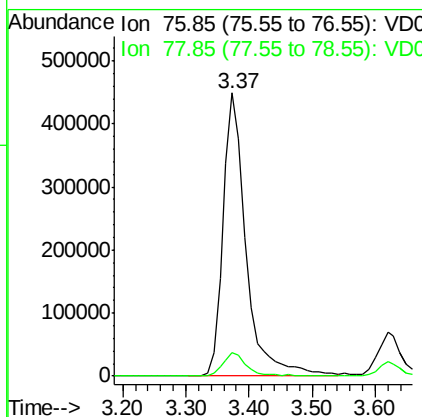
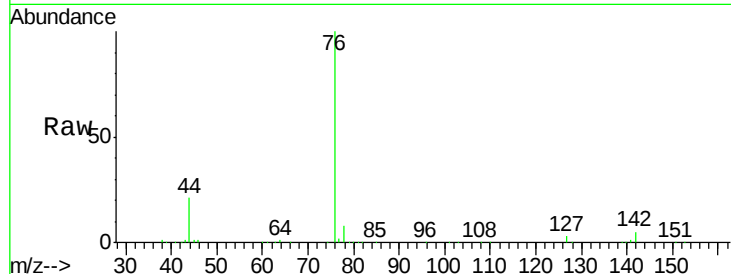




#17
Carbon Disulfide
Concen: 45.574 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

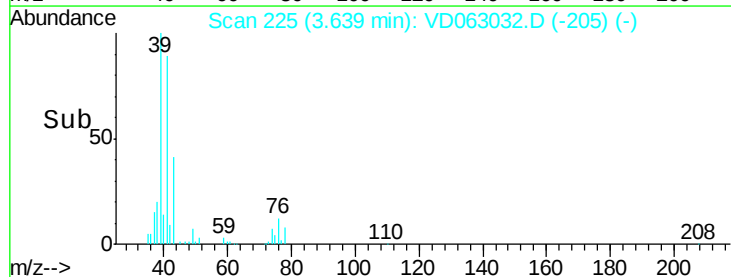
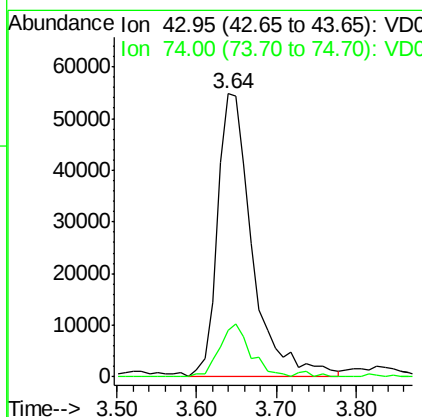
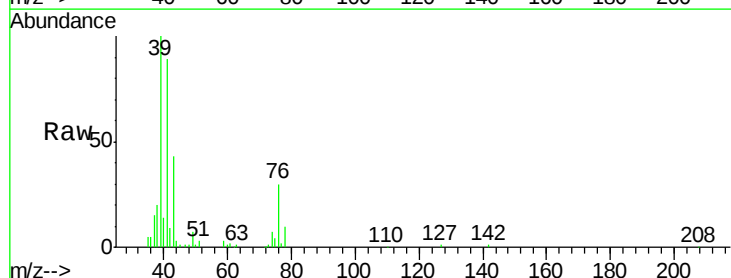
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

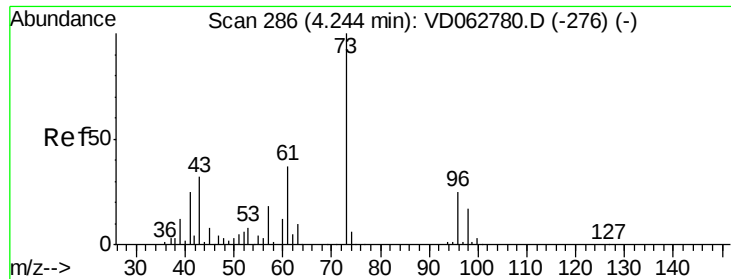
Tot Ion: 76 Resp: 1142893
Ion Ratio Lower Upper
76 100
78 8.2 8.0 12.0



#18
Methyl Acetate
Concen: 51.727 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion: 43 Resp: 167817
Ion Ratio Lower Upper
43 100
74 16.6 15.2 22.8

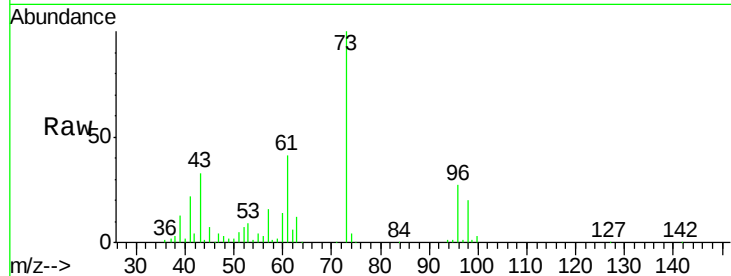




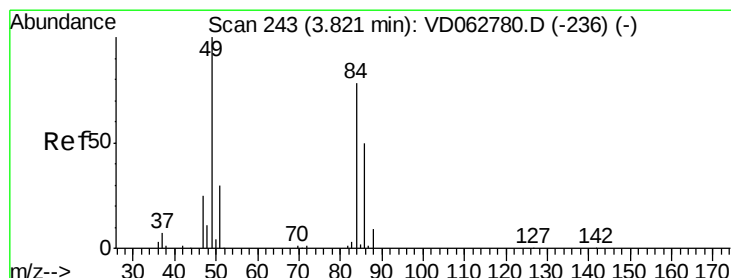
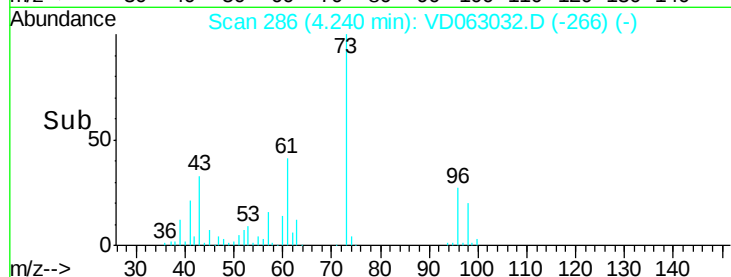
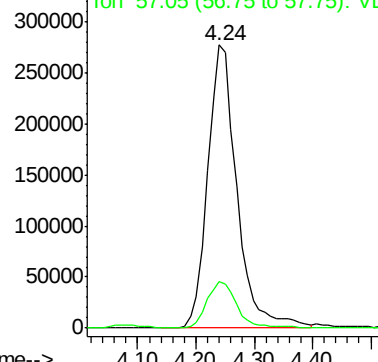
#19
Methvl tert-butvl Ether
Concen: 56.918 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 966842
Ion Ratio Lower Upper
73 100
57 16.5 14.3 21.5

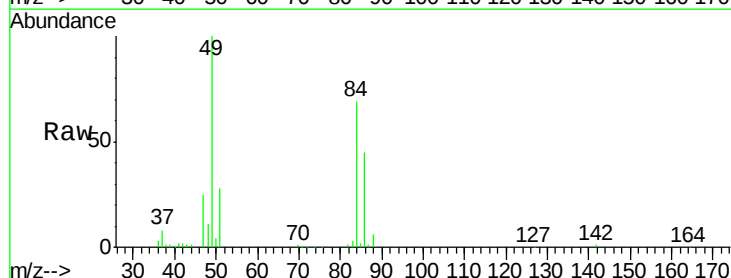


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

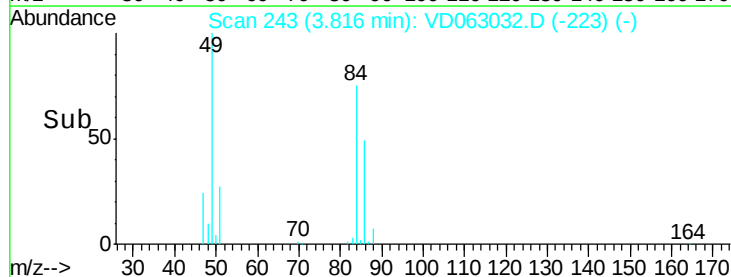
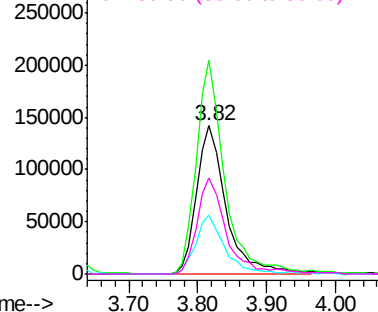


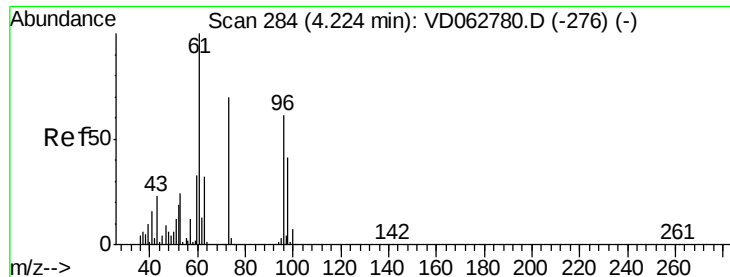
#20
Methylene Chloride
Concen: 51.490 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion: 84 Resp: 422027
Ion Ratio Lower Upper
84 100
49 144.1 102.9 154.3
51 40.0 31.2 46.8
86 64.6 51.4 77.2



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 53.259 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

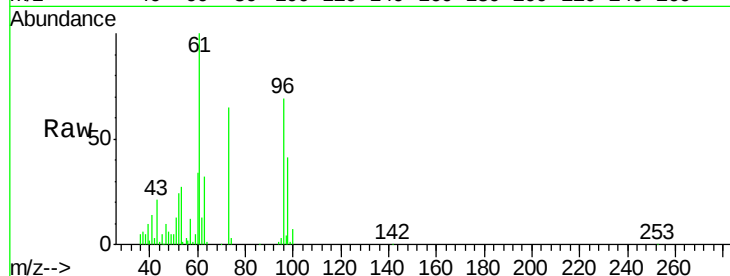
Tot Ion: 96 Resp: 444981

Ion Ratio Lower Upper

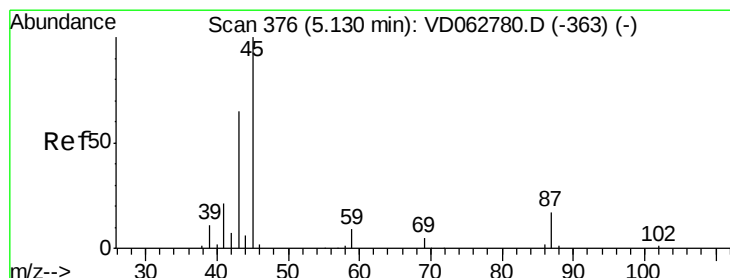
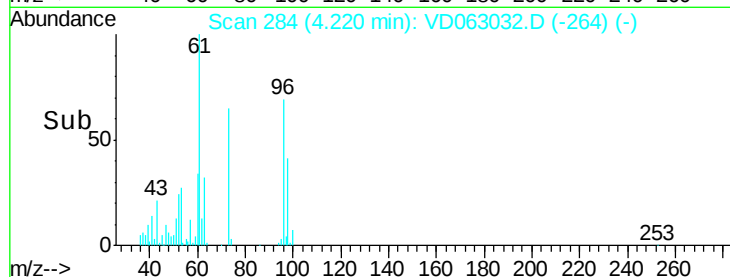
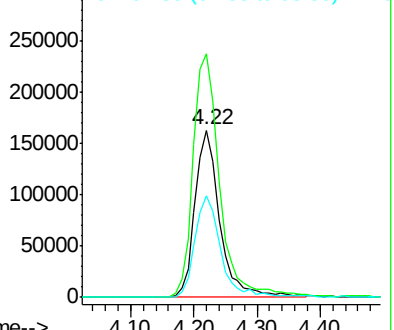
96 100

61 145.7 131.0 196.4

98 60.4 53.2 79.8



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: 54.321 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Tgt Ion: 45 Resp: 1280843

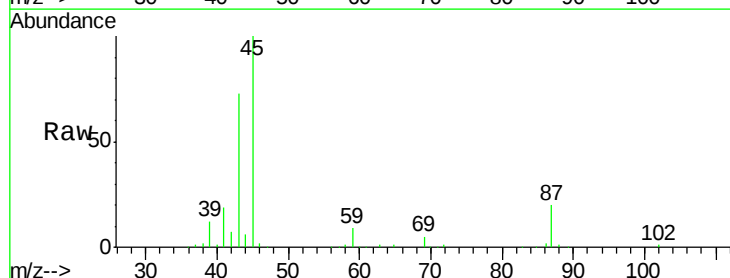
Ion Ratio Lower Upper

45 100

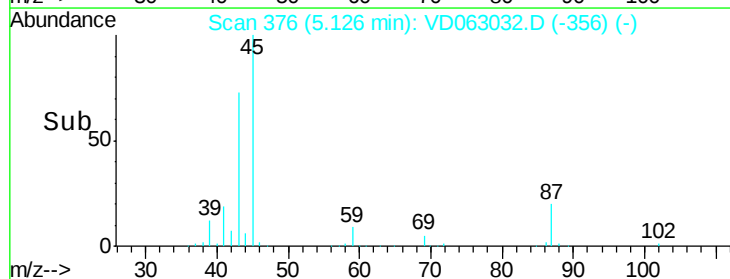
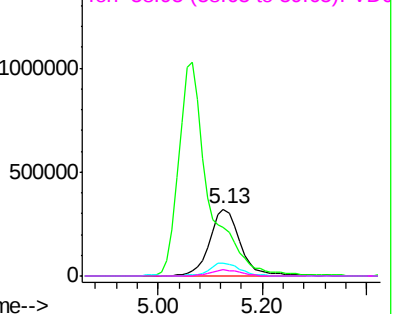
43 72.5 53.4 80.0

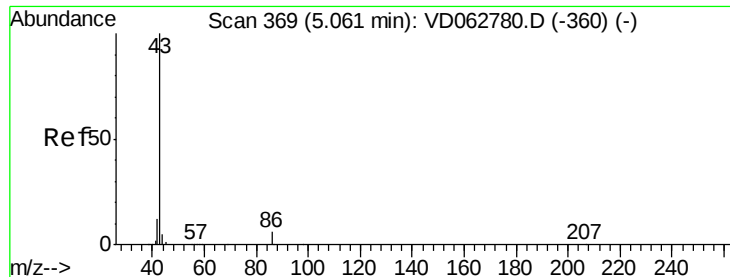
87 20.1 14.6 22.0

59 9.4 7.8 11.8



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: 273.704 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleID :

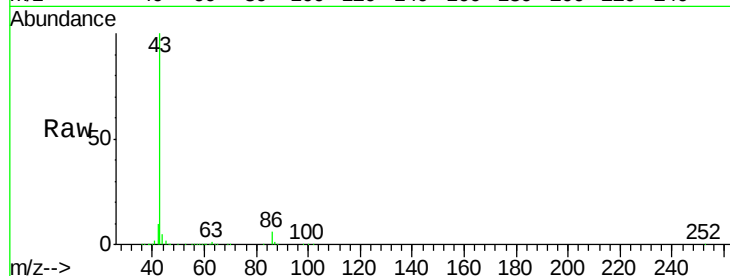
VSTDCCC050

Tot Ion: 43 Resp: 4038334

Ion Ratio Lower Upper

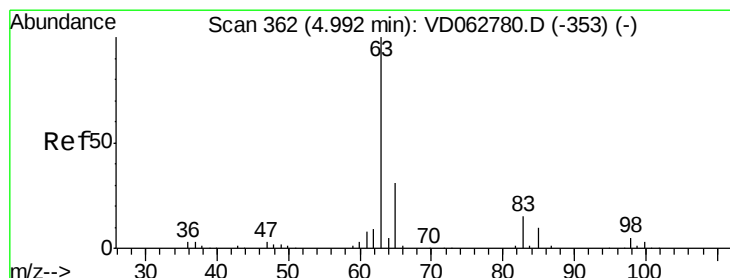
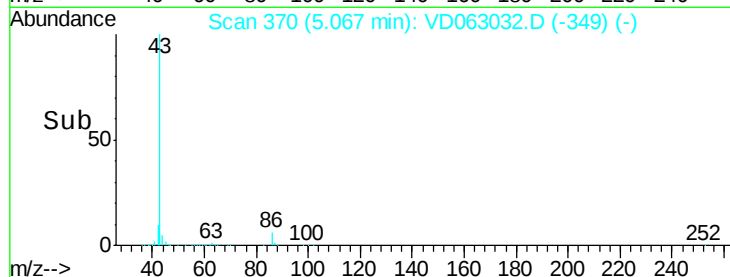
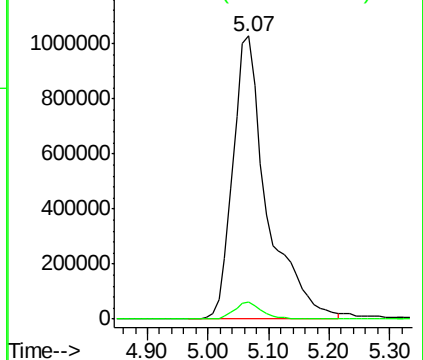
43 100

86 6.0 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.505 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

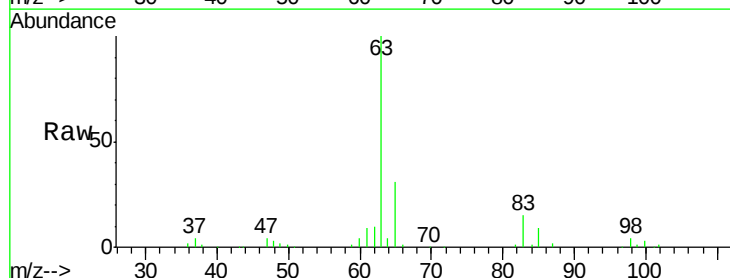
Tgt Ion: 63 Resp: 790686

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

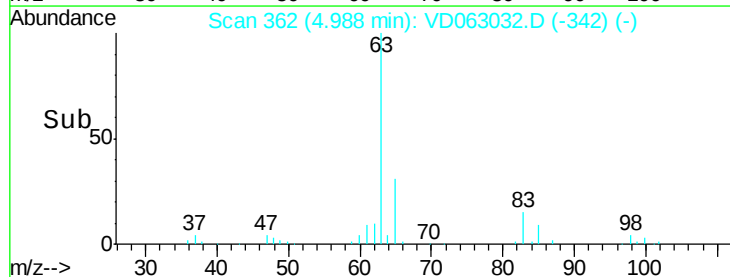
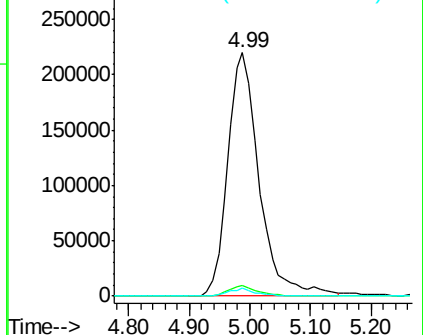
100 3.1 1.7 5.1

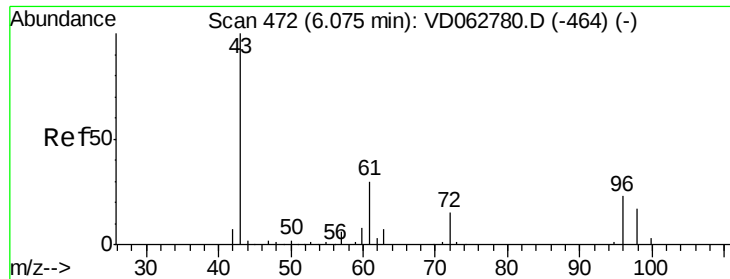


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 274.061 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

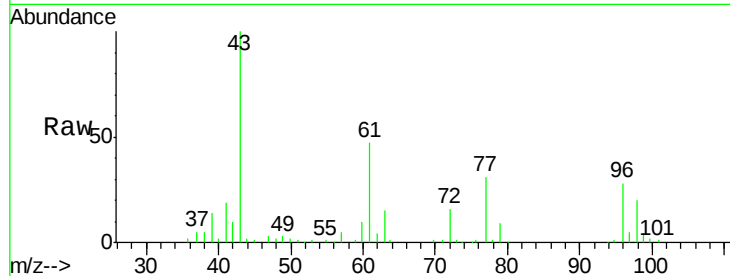
VSTDCCC050

Tot Ion: 43 Resp: 550874

Ion Ratio Lower Upper

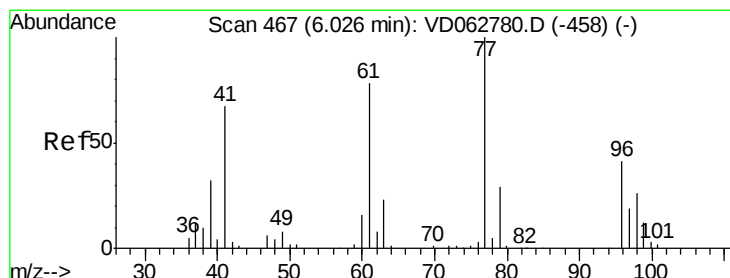
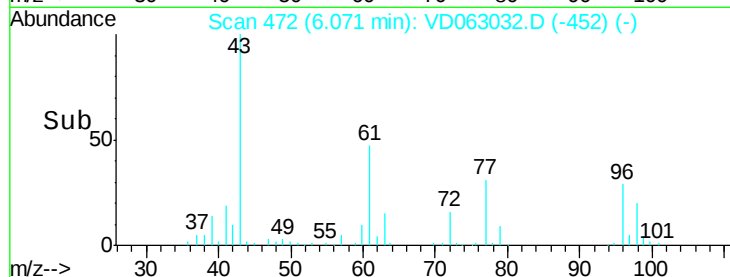
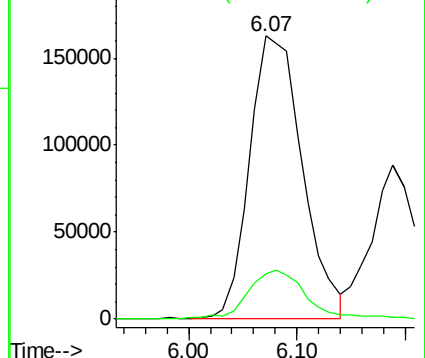
43 100

72 16.2 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 56.173 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD063032.D

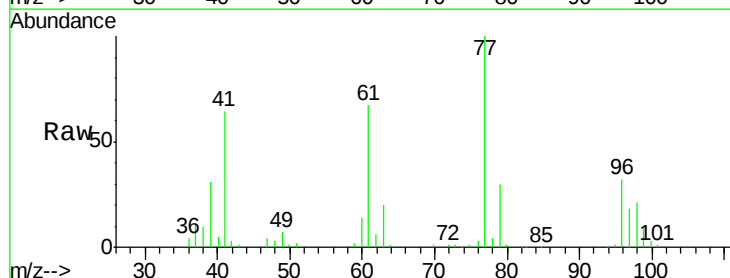
Acq: 8 Jul 2019 13:04

Tgt Ion: 77 Resp: 914050

Ion Ratio Lower Upper

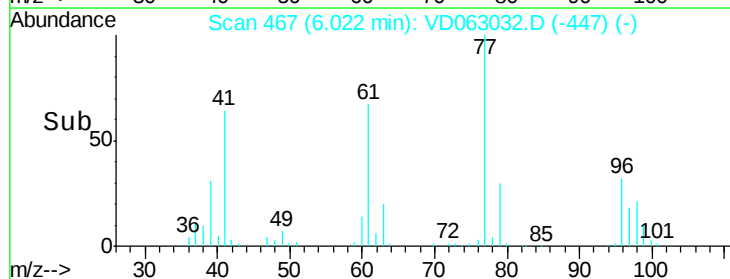
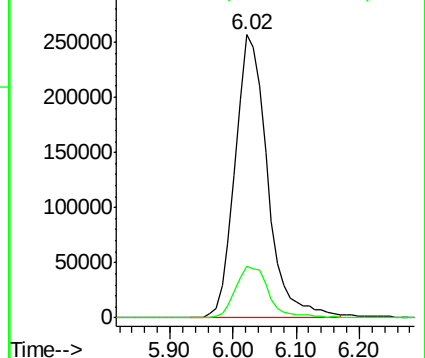
77 100

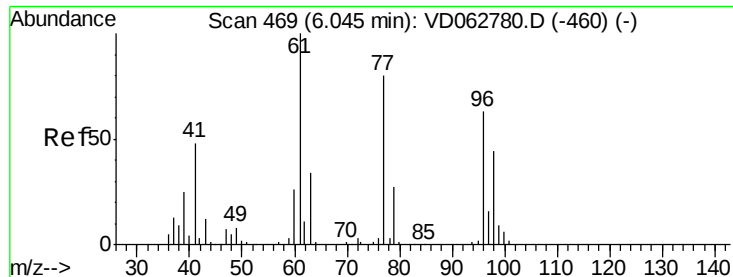
97 18.1 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



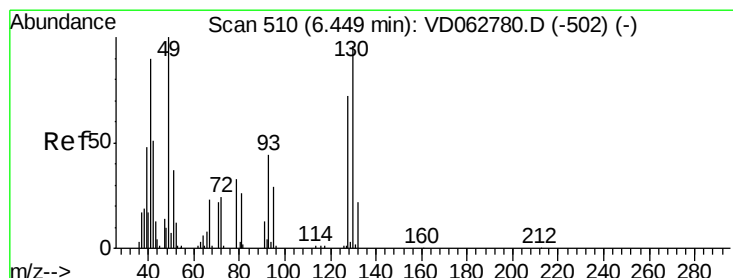
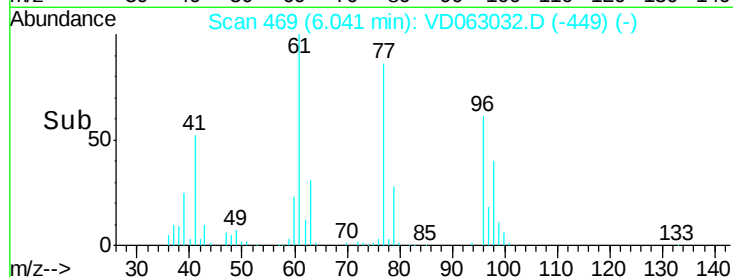
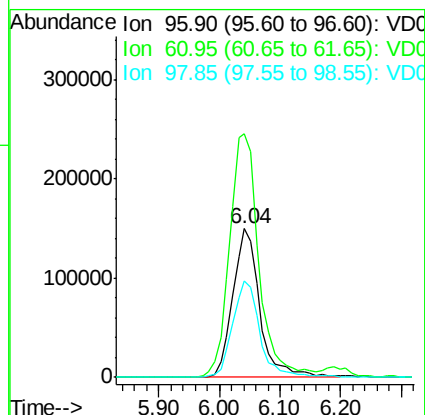
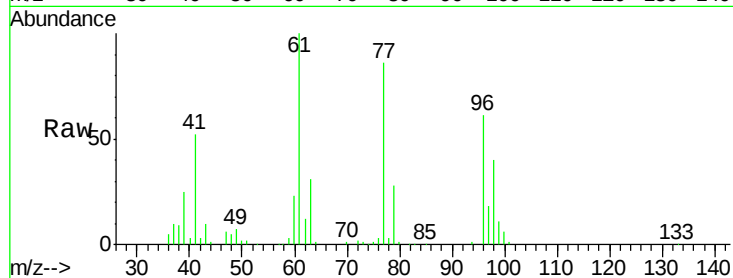


#27

cis-1,2-Dichloroethene
Concen: 52.476 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

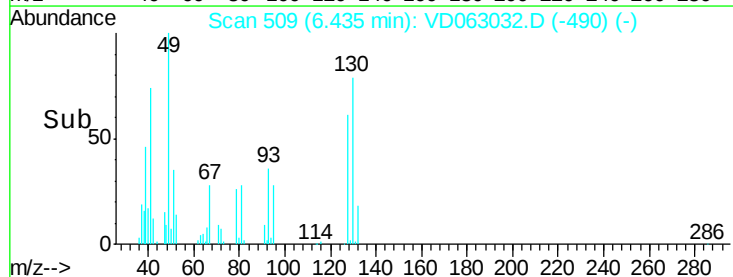
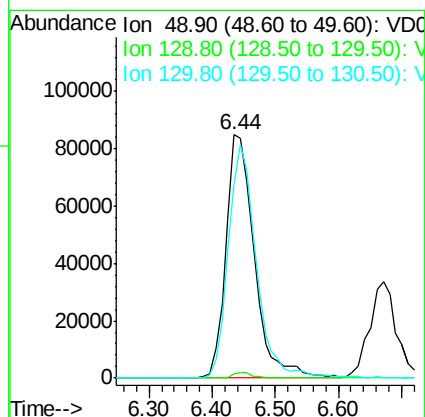
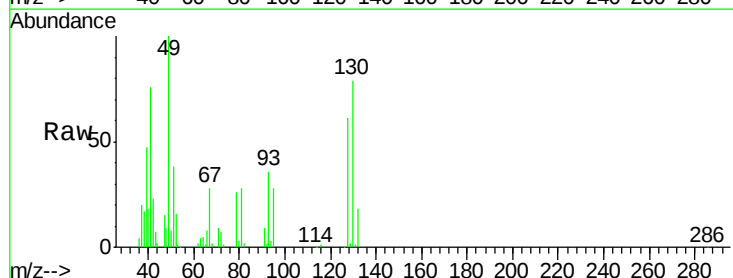
Tot Ion: 96 Resp: 463642
Ion Ratio Lower Upper
96 100
61 163.6 0.0 316.0
98 64.6 0.0 138.4

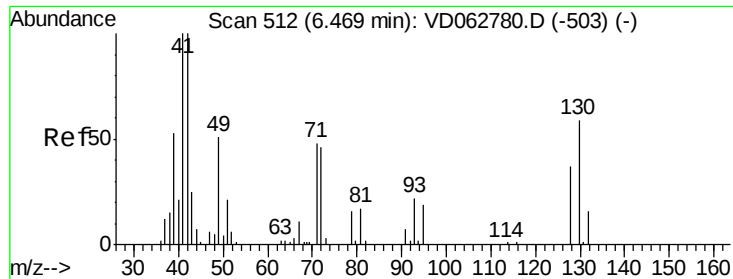


#28

Bromochloromethane
Concen: 49.053 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion: 49 Resp: 265225
Ion Ratio Lower Upper
49 100
129 1.9 0.0 5.6
130 79.5 76.6 114.8





#29

Tetrahydrofuran

Concen: 270.108 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

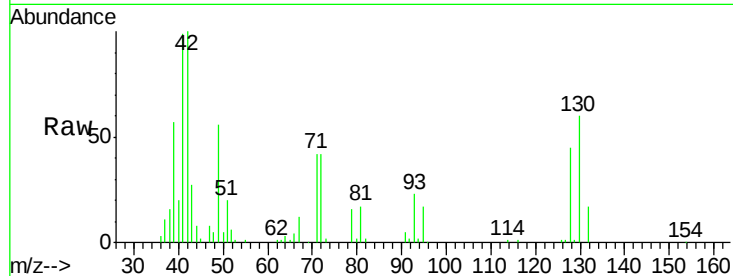
Tot Ion: 42 Resp: 256880

Ion Ratio Lower Upper

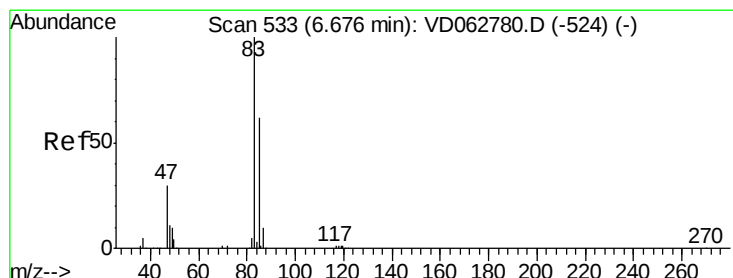
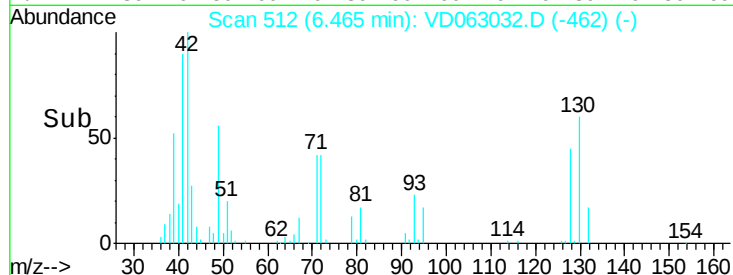
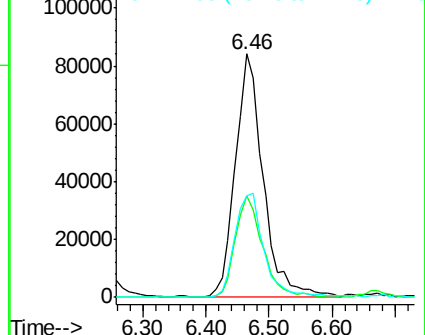
42 100

72 41.2 35.0 52.6

71 44.1 33.3 49.9



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



#30

Chloroform

Concen: 52.831 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD063032.D

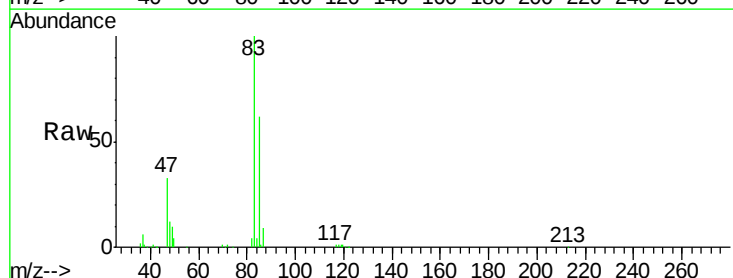
Acq: 8 Jul 2019 13:04

Tgt Ion: 83 Resp: 986349

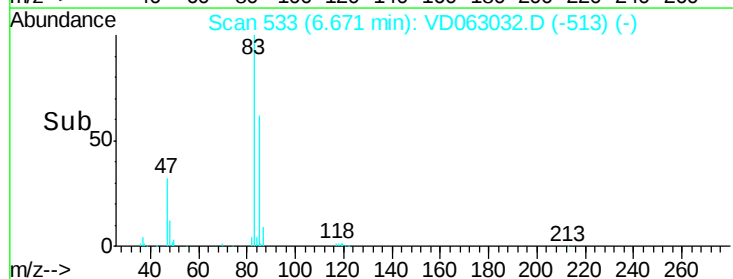
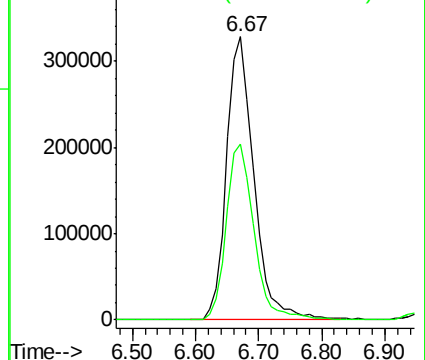
Ion Ratio Lower Upper

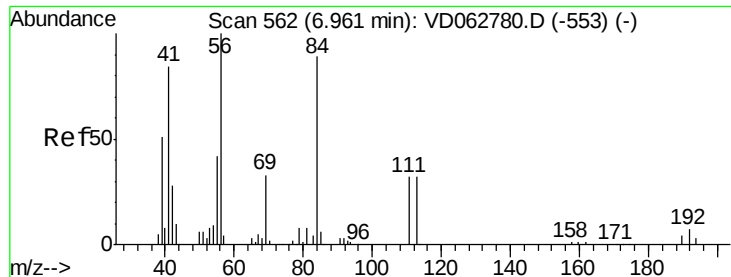
83 100

85 62.1 49.8 74.6



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

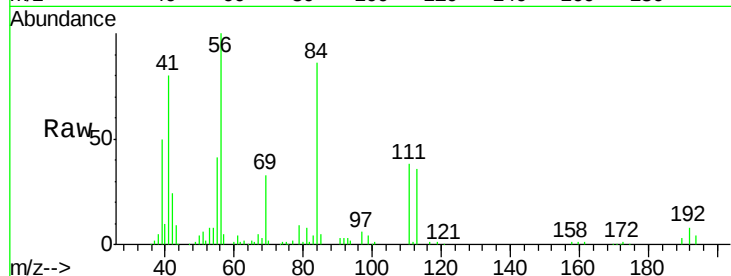




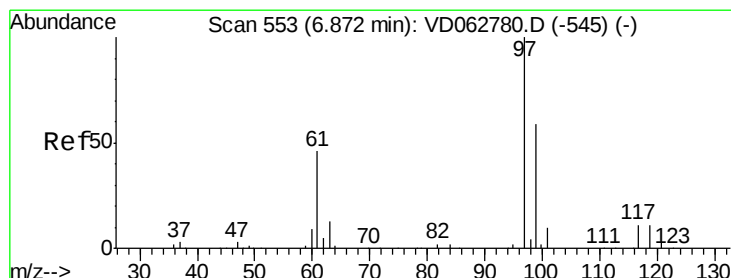
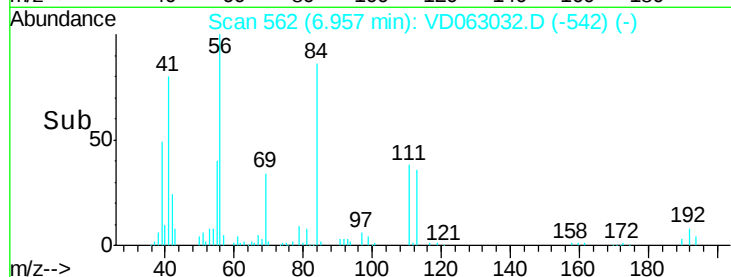
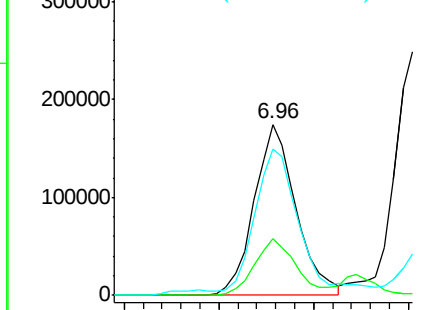
#31
Cyclohexane
Concen: 53.060 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 535494
Ion Ratio Lower Upper
56 100
69 33.5 26.6 39.8
84 85.8 75.5 113.3

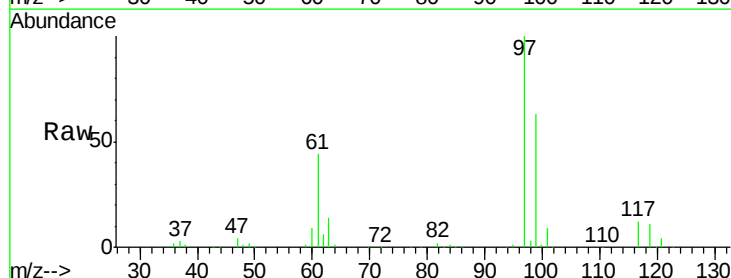


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

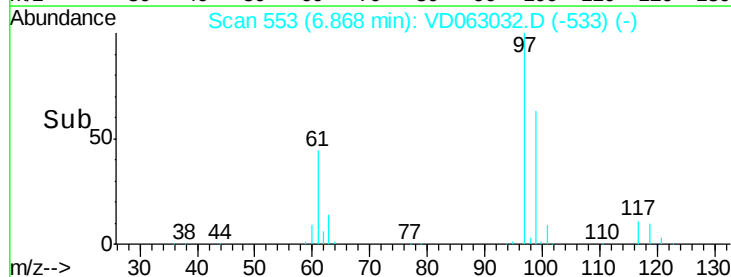
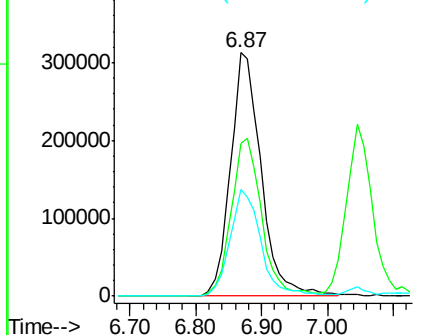


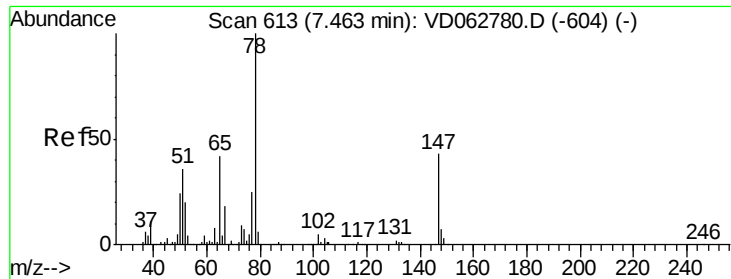
#32
1,1,1-Trichloroethane
Concen: 52.501 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion: 97 Resp: 1020940
Ion Ratio Lower Upper
97 100
99 62.6 47.4 71.2
61 43.9 37.2 55.8



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





#33

1,2-Dichloroethane-d4

Concen: 47.563 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

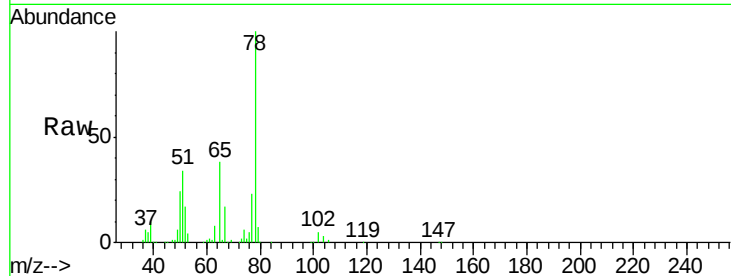
VSTDCCC050

Tot Ion: 65 Resp: 511169

Ion Ratio Lower Upper

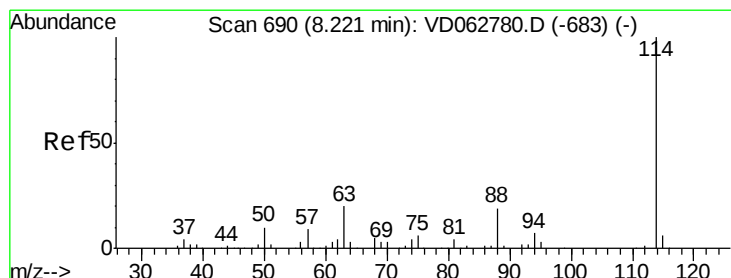
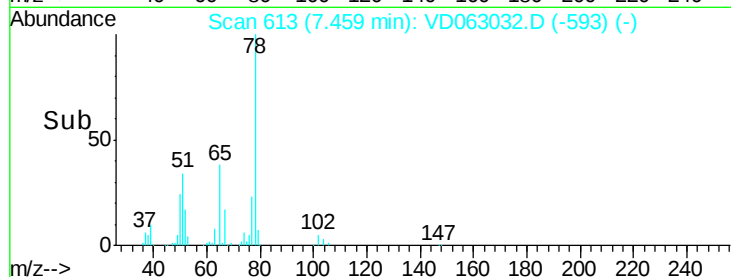
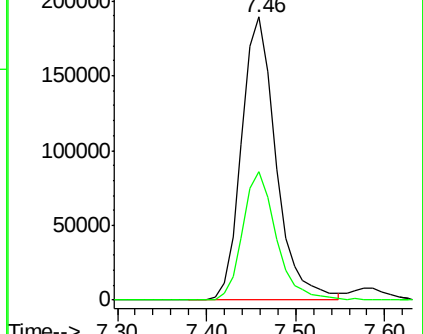
65 100

67 45.2 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

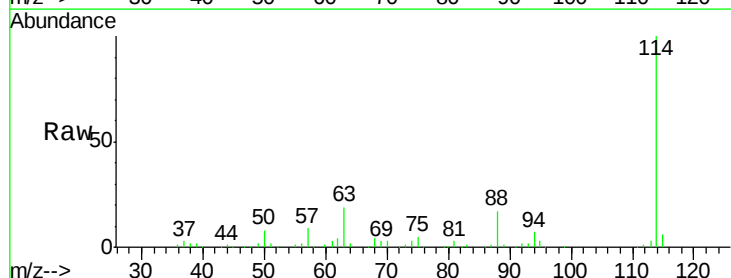
Tgt Ion: 114 Resp: 1346490

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

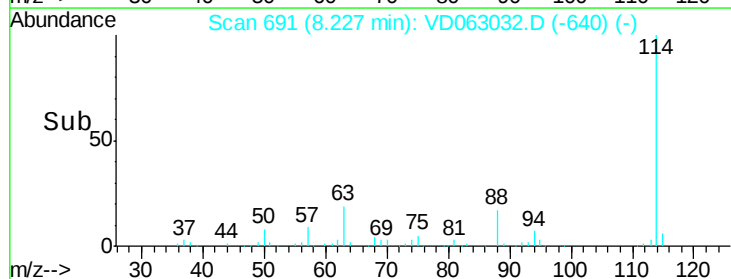
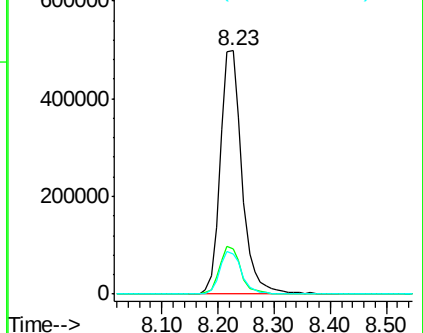
88 16.7 0.0 38.8

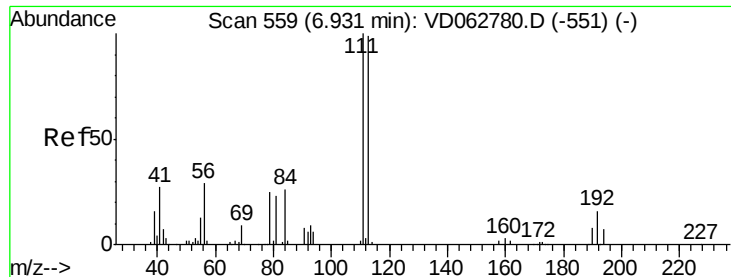


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

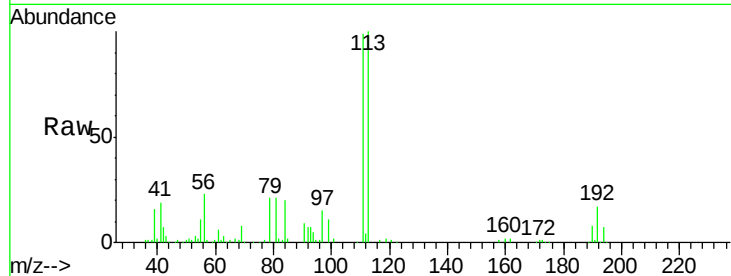




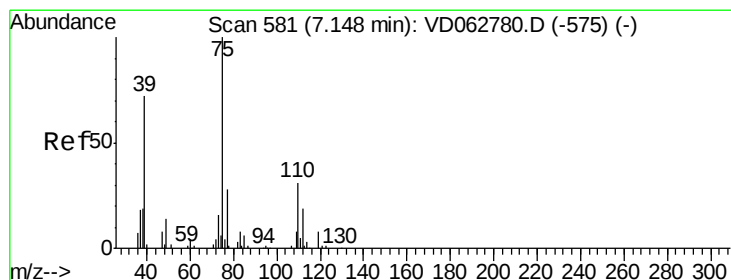
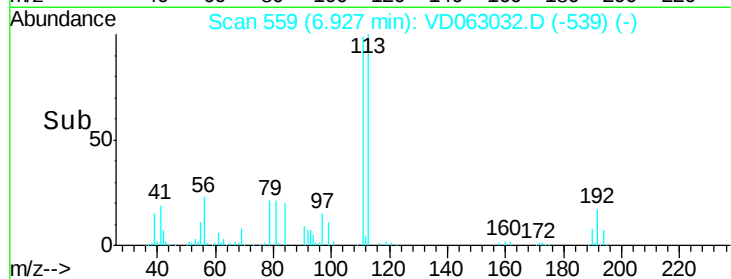
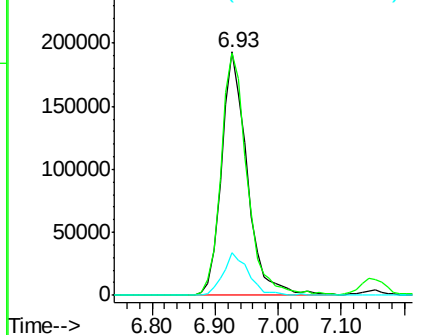
#35
 Dibromofluoromethane
 Concen: 47.816 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 542885
 Ion Ratio Lower Upper
 113 100
 111 99.3 81.2 121.8
 192 17.4 12.9 19.3

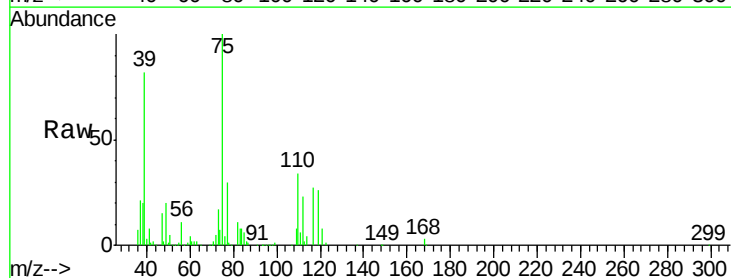


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

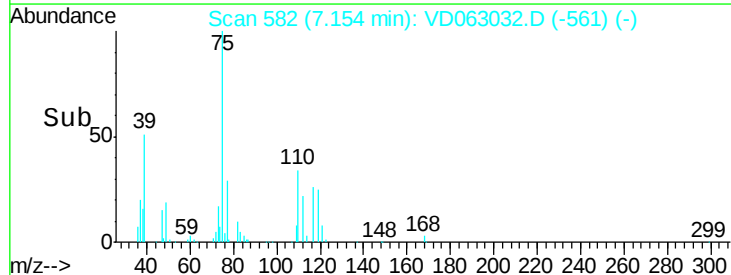
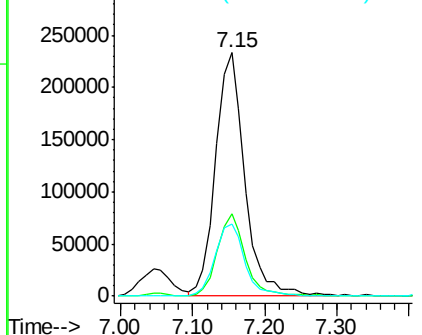


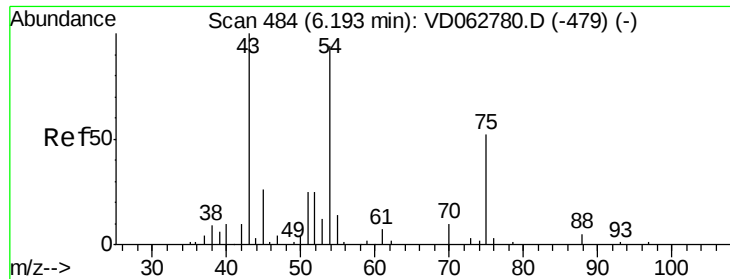
#36
 1,1-Dichloropropene
 Concen: 50.624 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Tgt Ion: 75 Resp: 645274
 Ion Ratio Lower Upper
 75 100
 110 33.7 15.0 45.1
 77 29.6 22.2 33.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

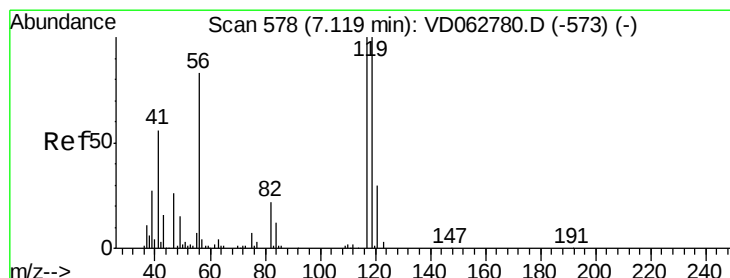
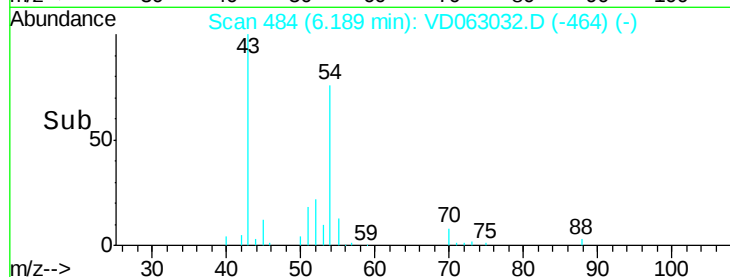
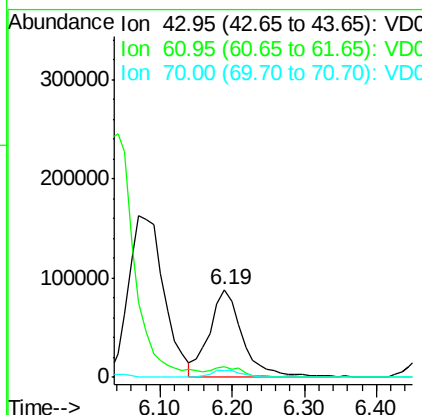
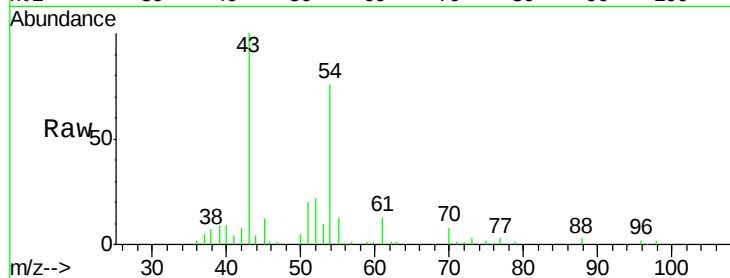




#37
Ethyl Acetate
Concen: 50.739 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

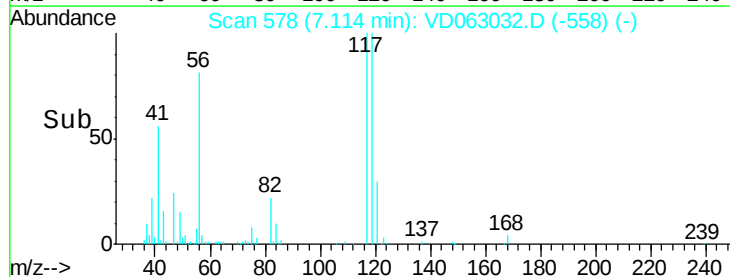
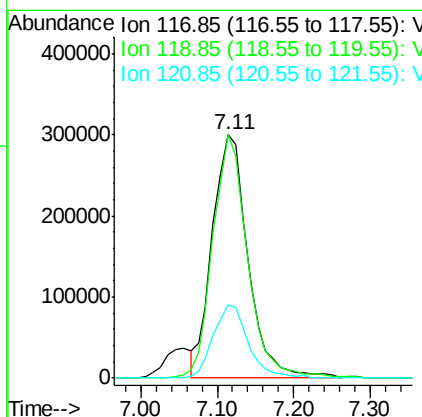
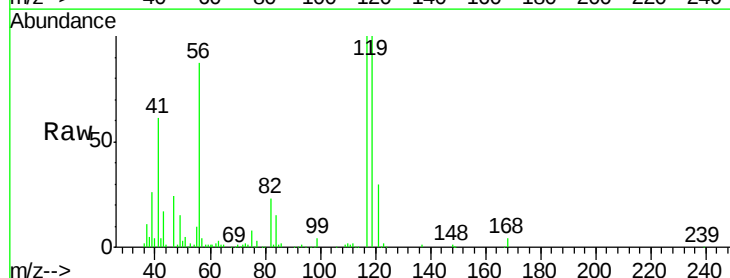
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

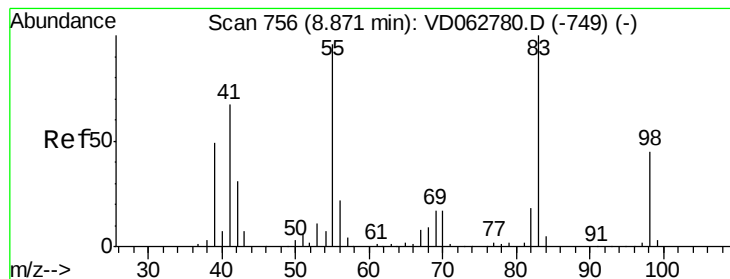
Tot Ion: 43 Resp: 271589
Ion Ratio Lower Upper
43 100
61 12.8 11.6 17.4
70 8.4 6.4 9.6



#38
Carbon Tetrachloride
Concen: 50.600 ug/l m
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion: 117 Resp: 969999
Ion Ratio Lower Upper
117 100
119 100.2 75.4 113.2
121 30.2 22.3 33.5





#39

Methvlcvclohexane

Concen: 53.293 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

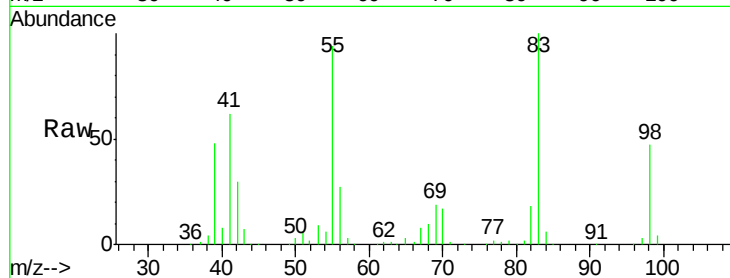
Tot Ion: 83 Resp: 597943

Ion Ratio Lower Upper

83 100

55 94.1 76.6 115.0

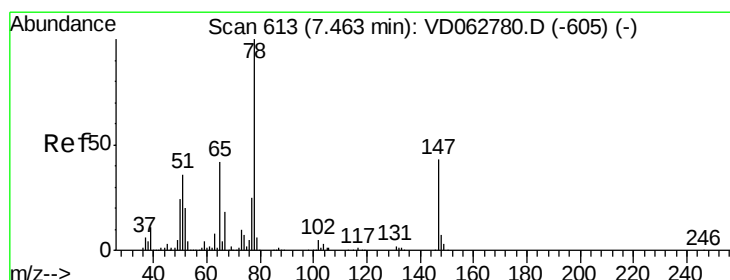
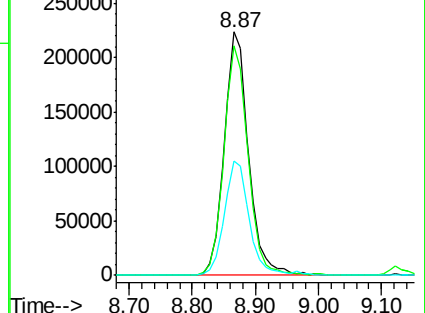
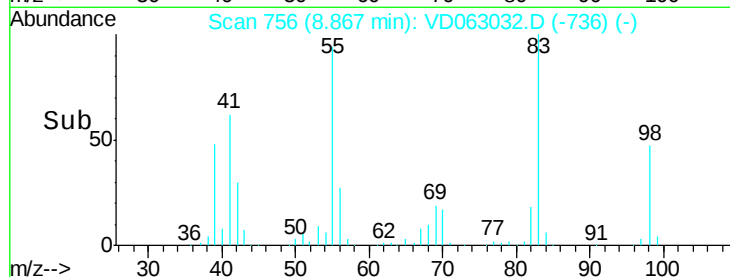
98 47.1 35.7 53.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 53.609 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063032.D

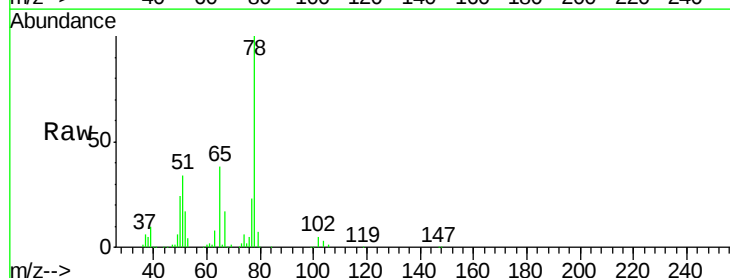
Acq: 8 Jul 2019 13:04

Tgt Ion: 78 Resp: 1371638

Ion Ratio Lower Upper

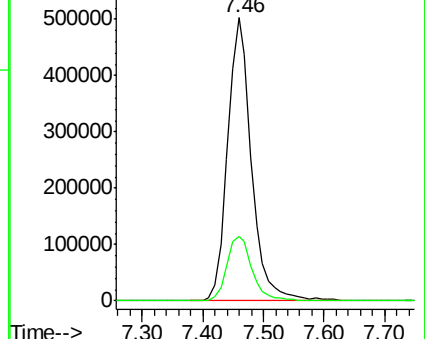
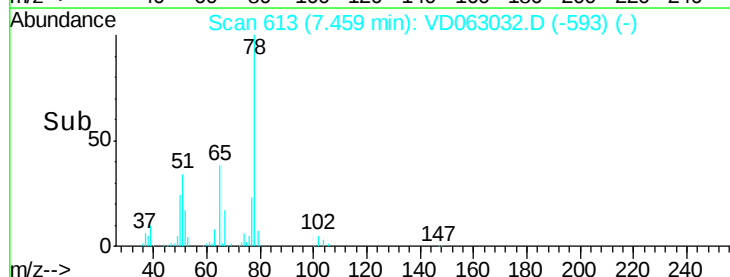
78 100

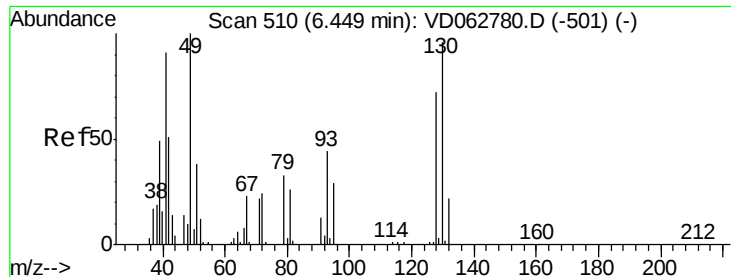
77 22.9 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 51.605 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 346885

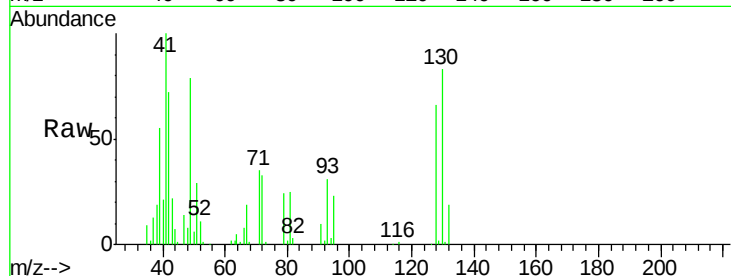
Ion Ratio Lower Upper

41 100

39 55.2 43.2 64.8

67 18.9 19.9 29.9#

52 11.5 10.2 15.4

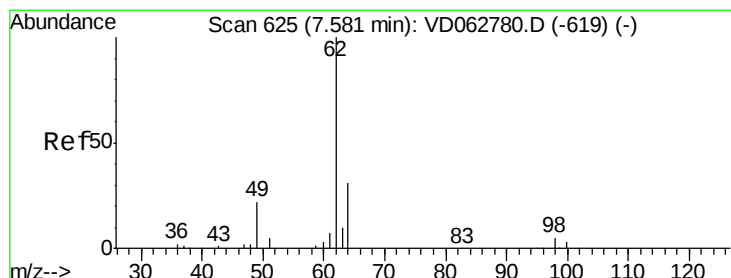
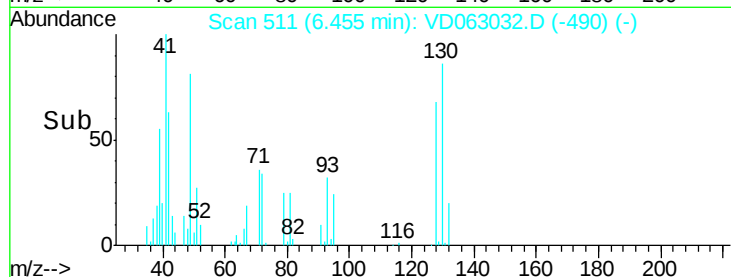
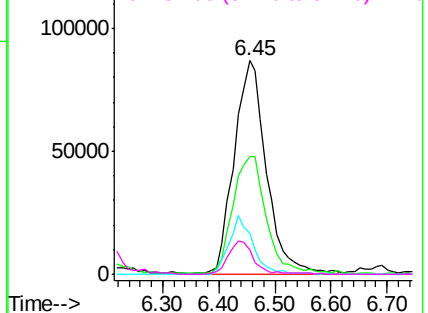


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.179 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD063032.D

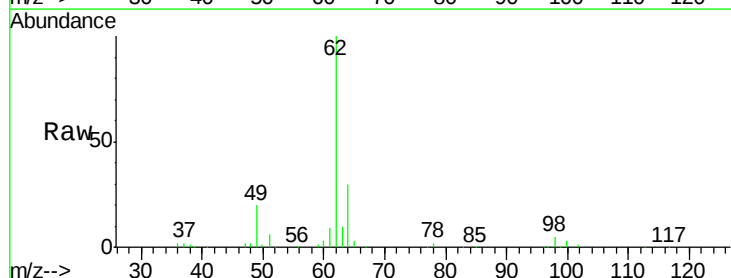
Acq: 8 Jul 2019 13:04

Tgt Ion: 62 Resp: 714347

Ion Ratio Lower Upper

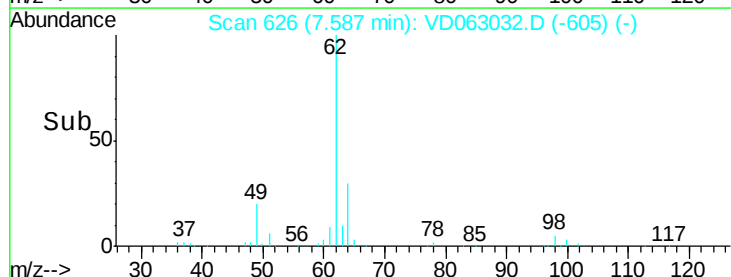
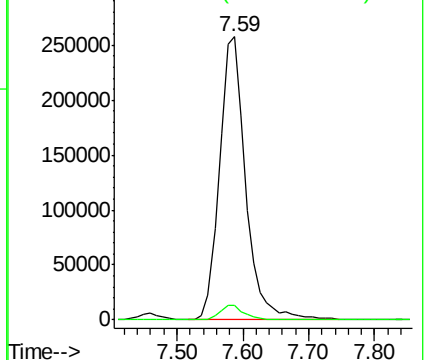
62 100

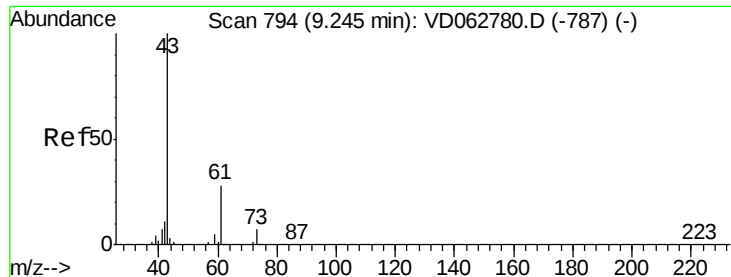
98 5.3 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



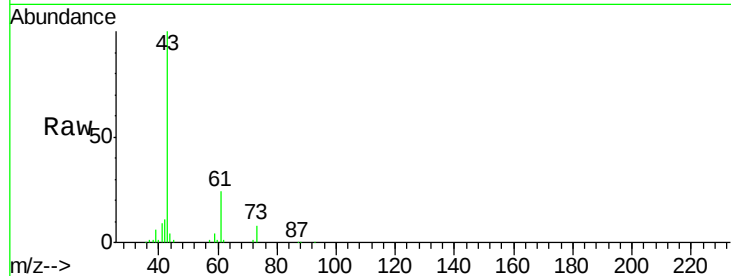


#43

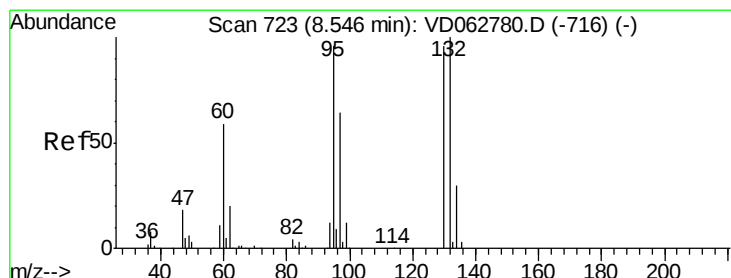
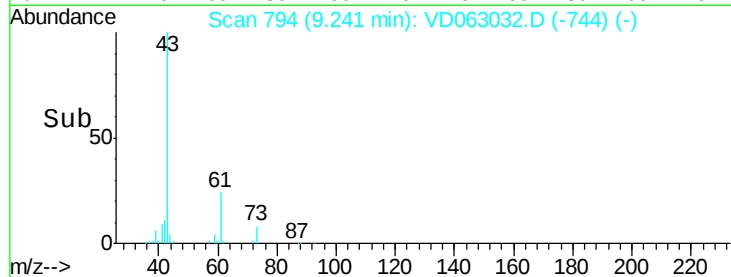
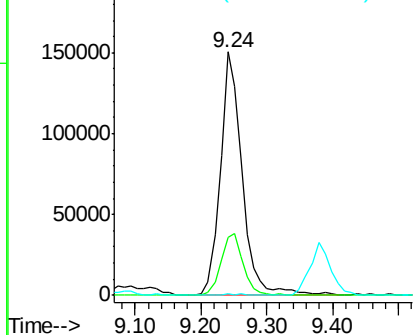
Isopropyl Acetate
 Concen: 52.125 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 348323
 Ion Ratio Lower Upper
 43 100
 61 23.6 22.4 33.6
 87 0.5 0.3 0.5



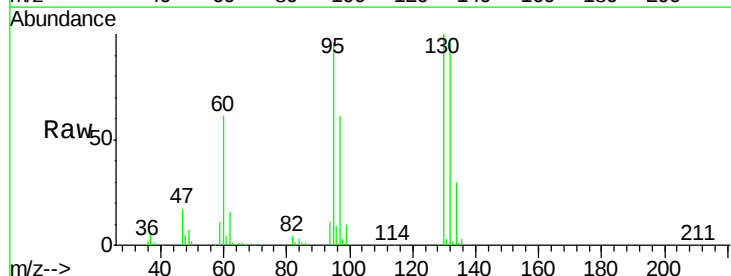
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



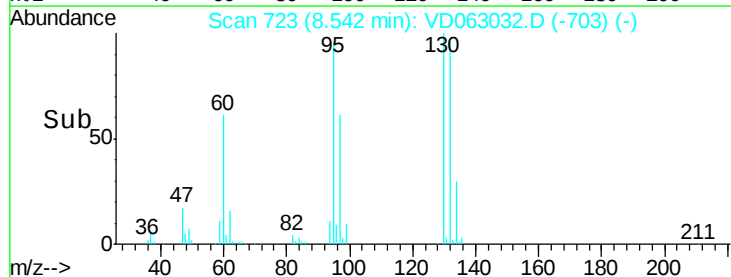
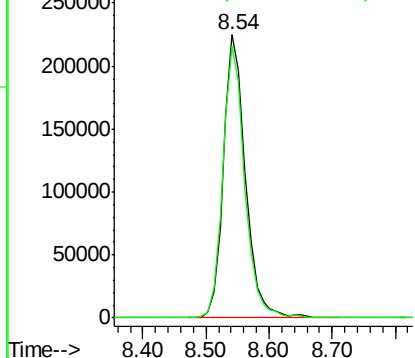
#44

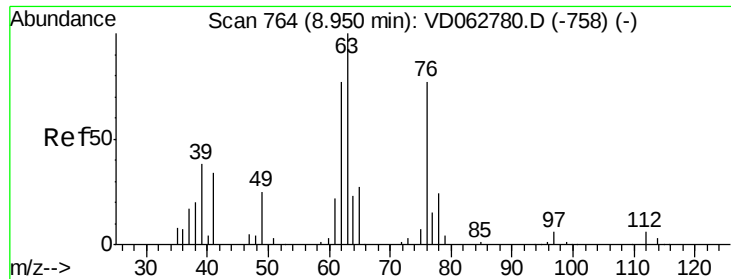
Trichloroethene
 Concen: 54.135 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Tgt Ion: 130 Resp: 543017
 Ion Ratio Lower Upper
 130 100
 95 96.1 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 53.520 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

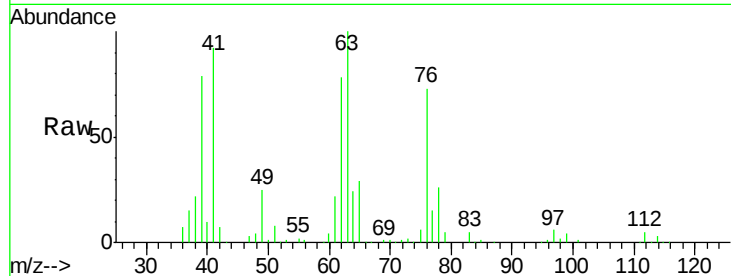
VSTDCCC050

Tot Ion: 63 Resp: 340500

Ion Ratio Lower Upper

63 100

65 28.6 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

150000

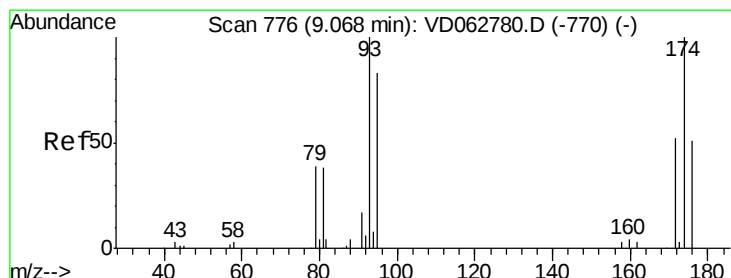
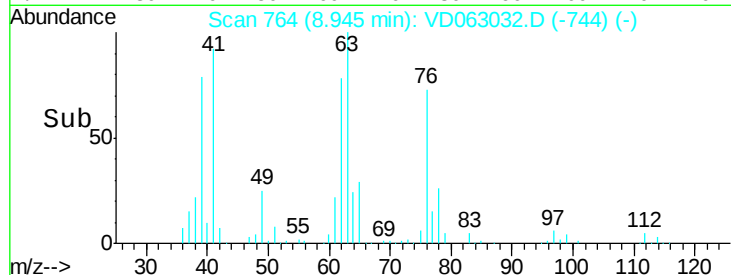
100000

50000

0

Time-->

8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 50.540 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

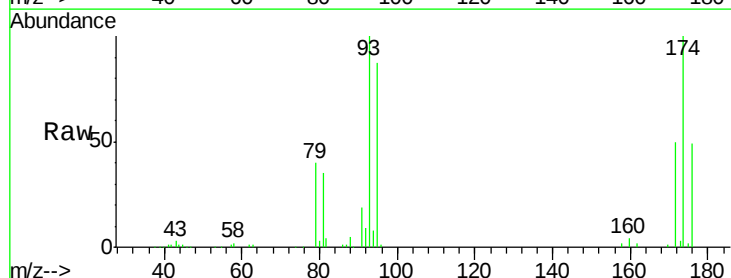
Tgt Ion: 93 Resp: 276211

Ion Ratio Lower Upper

93 100

95 86.7 66.6 100.0

174 99.8 79.7 119.5



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

150000

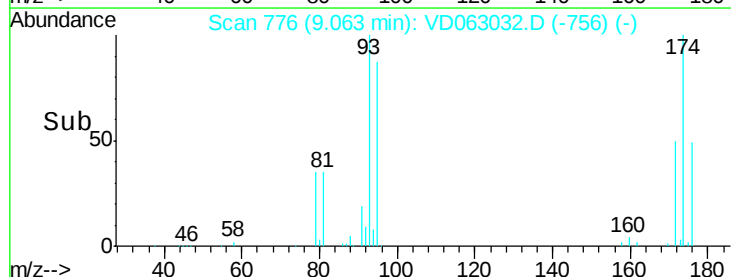
100000

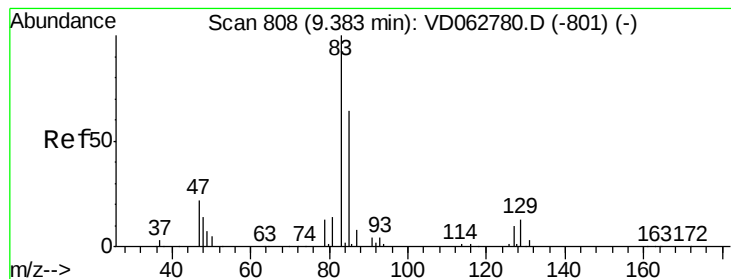
50000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 52.592 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

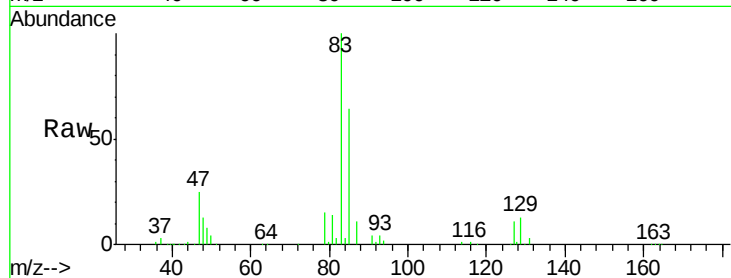
Tot Ion: 83 Resp: 746463

Ion Ratio Lower Upper

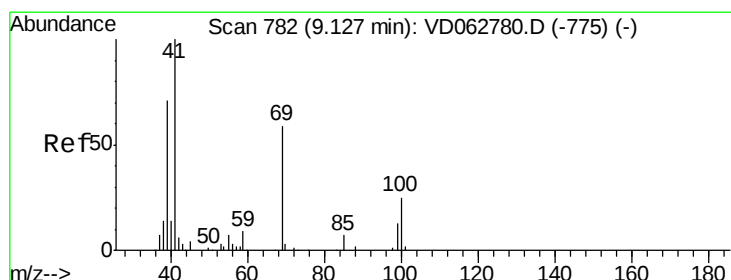
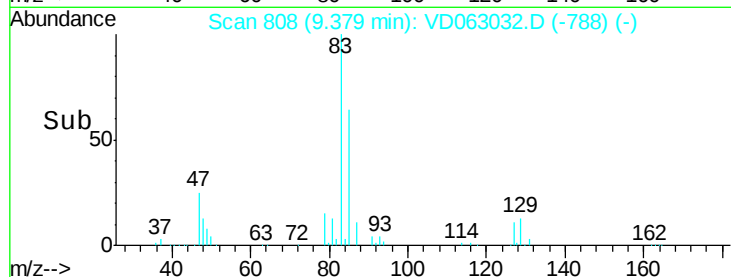
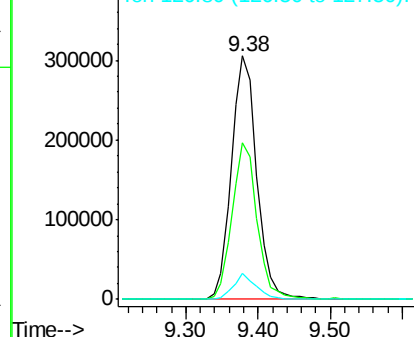
83 100

85 64.5 51.6 77.4

127 10.7 7.8 11.6



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



#48

Methyl methacrylate

Concen: 51.172 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

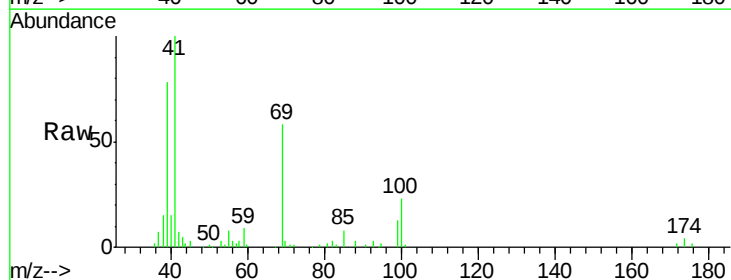
Tgt Ion: 41 Resp: 243007

Ion Ratio Lower Upper

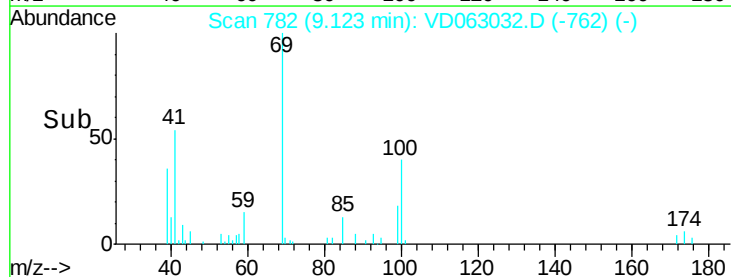
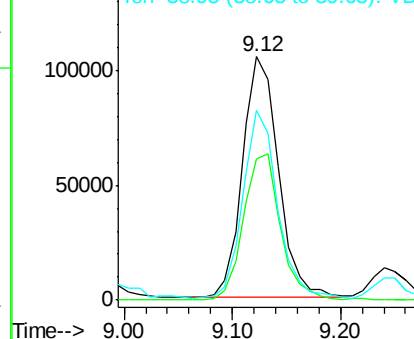
41 100

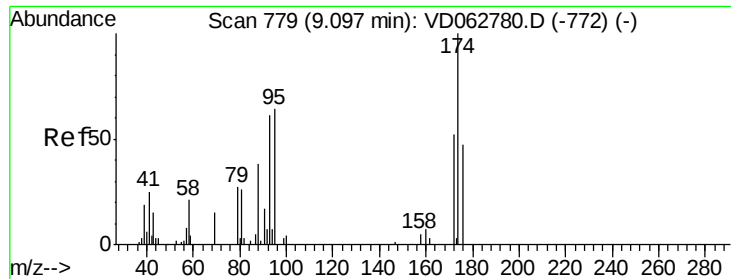
69 58.2 47.2 70.8

39 77.9 57.4 86.2



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

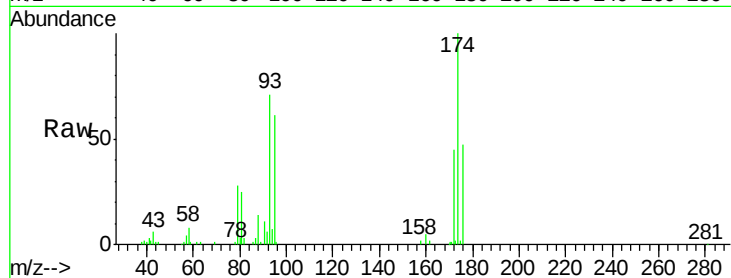




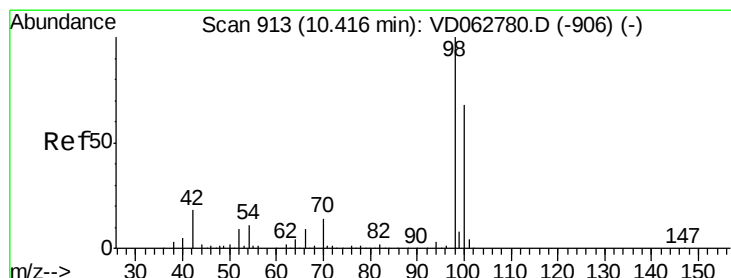
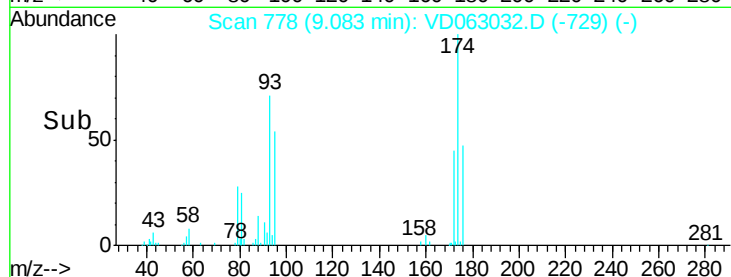
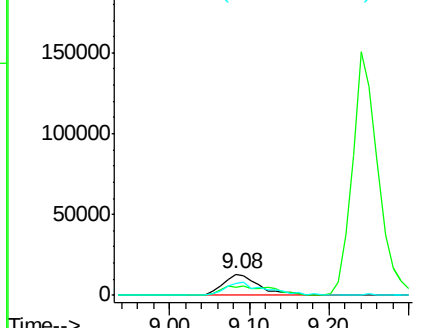
#49
1,4-Dioxane
Concen: 1043.828 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 41240
Ion Ratio Lower Upper
88 100
43 41.0 32.1 48.1
58 58.3 44.1 66.1

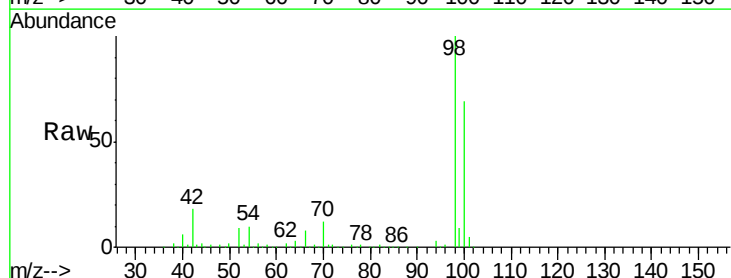


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

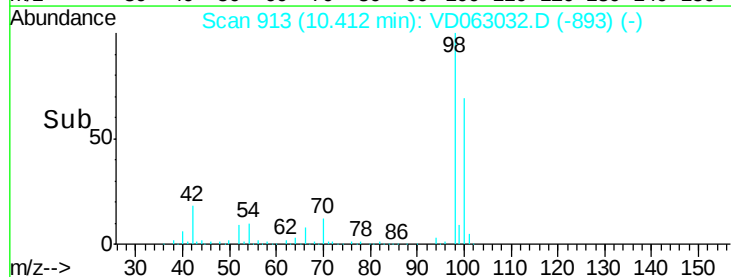
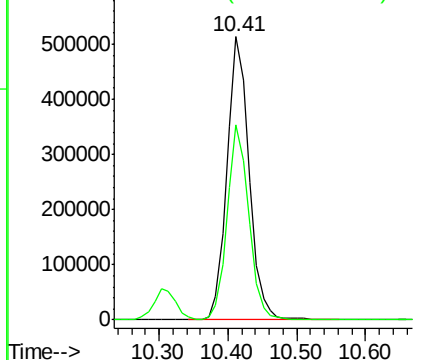


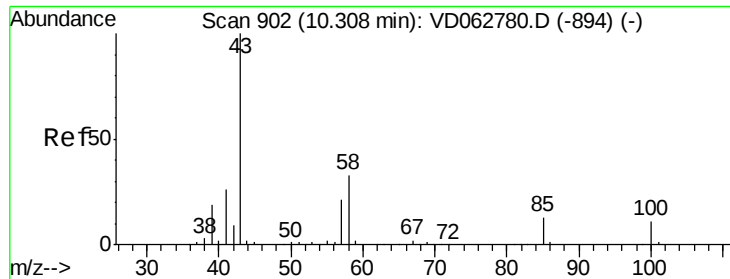
#50
Toluene-d8
Concen: 46.181 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion: 98 Resp: 1141155
Ion Ratio Lower Upper
98 100
100 69.1 54.7 82.1



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: 259.637 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

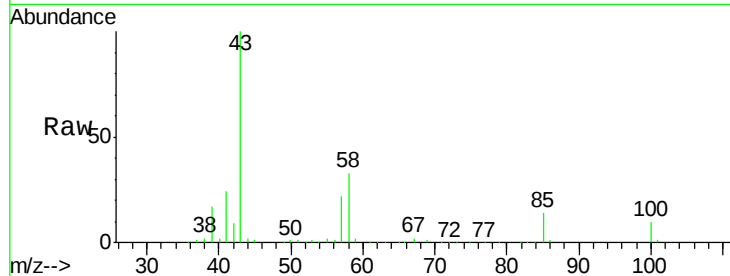
VSTDCCC050

Tot Ion: 43 Resp: 1230125

Ion Ratio Lower Upper

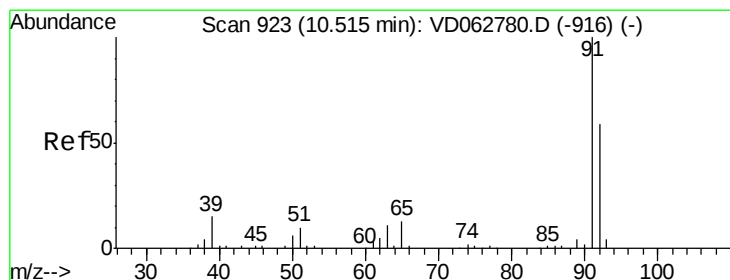
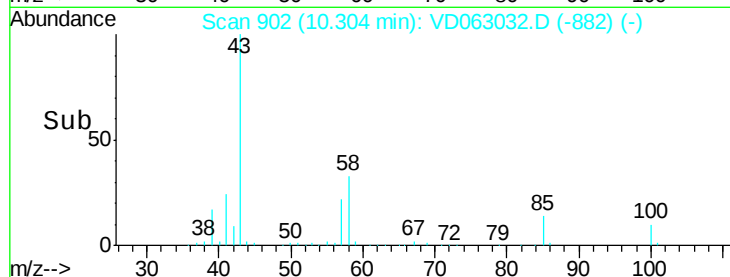
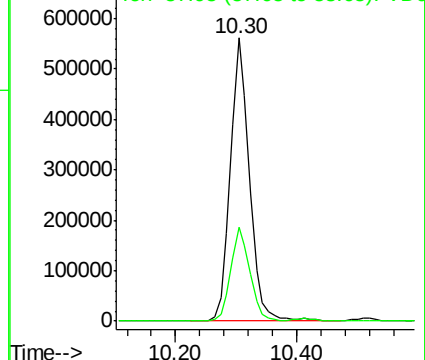
43 100

58 33.2 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.762 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD063032.D

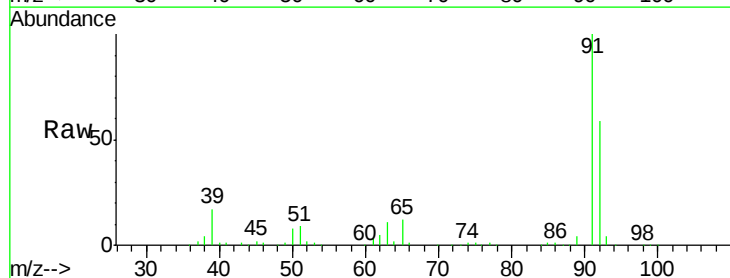
Acq: 8 Jul 2019 13:04

Tgt Ion: 92 Resp: 924649

Ion Ratio Lower Upper

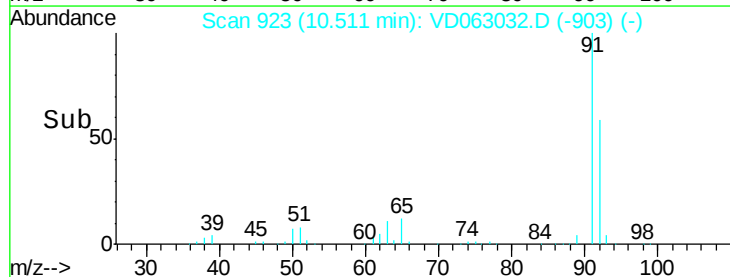
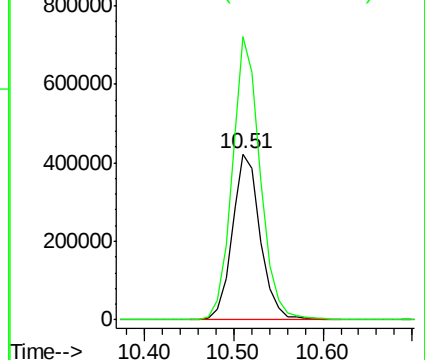
92 100

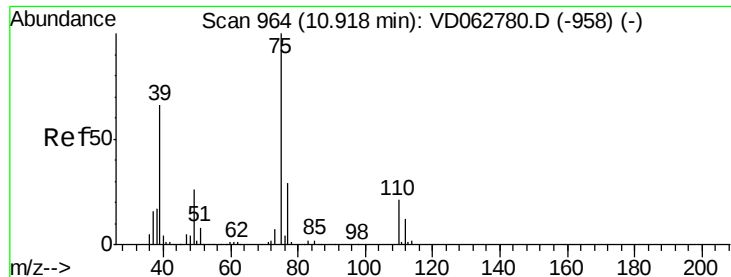
91 170.6 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 52.090 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

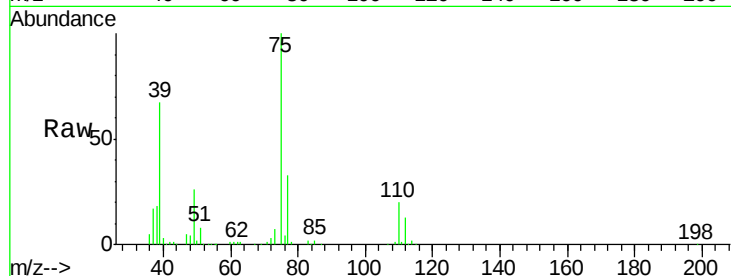
VSTDCCC050

Tot Ion: 75 Resp: 605137

Ion Ratio Lower Upper

75 100

77 32.7 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

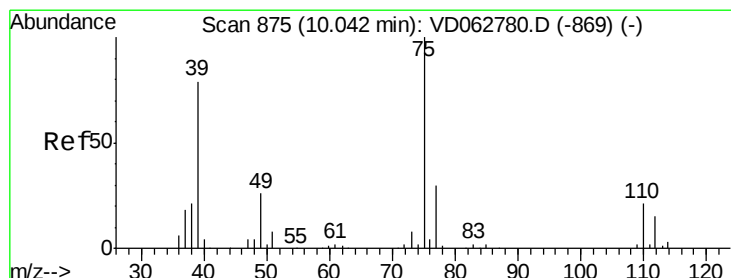
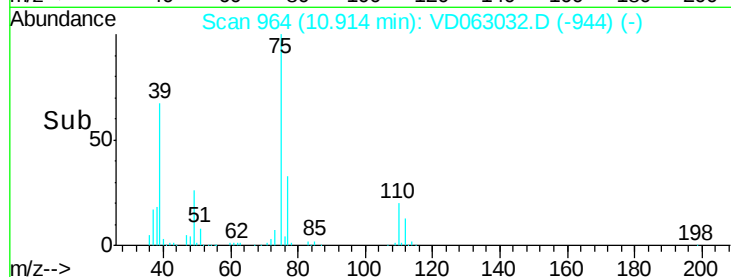
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.518 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

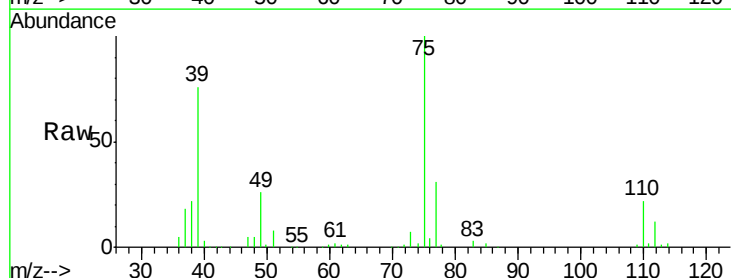
Tgt Ion: 75 Resp: 688398

Ion Ratio Lower Upper

75 100

77 31.1 24.2 36.2

39 75.7 63.5 95.3



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

10.04

400000

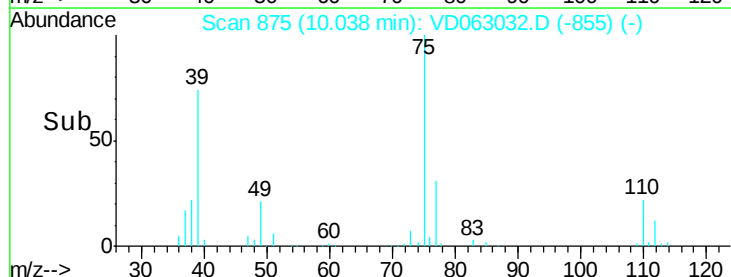
300000

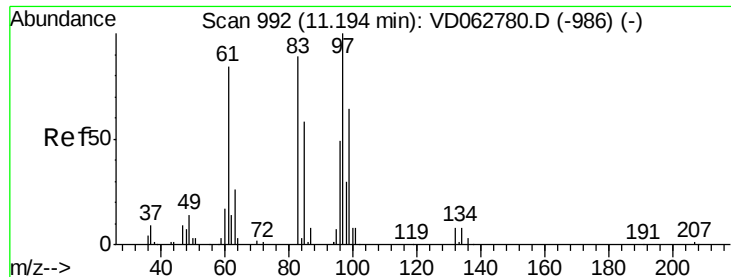
200000

100000

0

Time-->

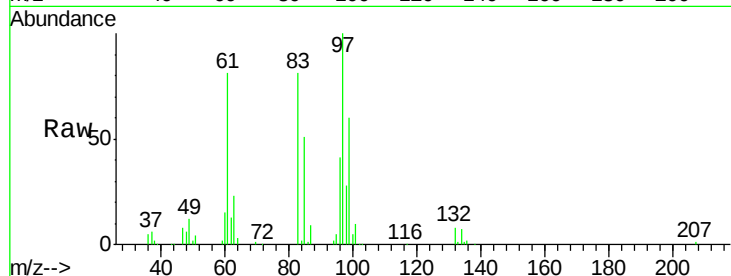




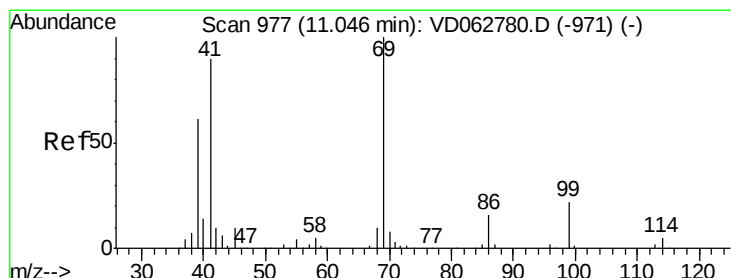
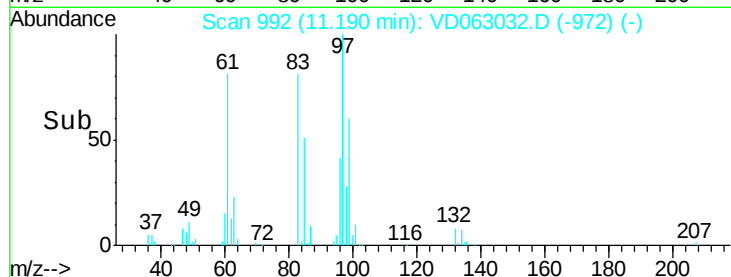
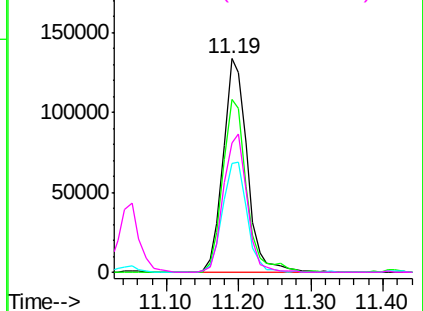
#55
 1,1,2-Trichloroethane
 Concen: 52.014 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 307346
 Ion Ratio Lower Upper
 97 100
 83 80.8 71.0 106.4
 85 51.0 46.6 69.8
 99 60.4 51.4 77.0

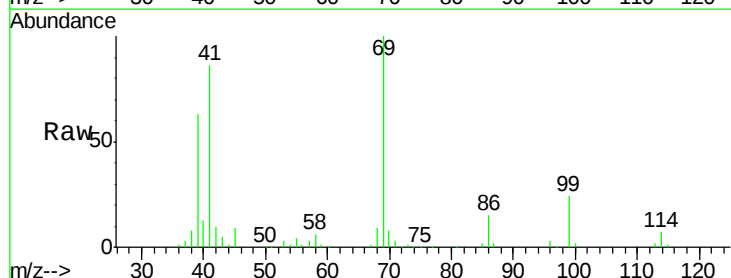


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

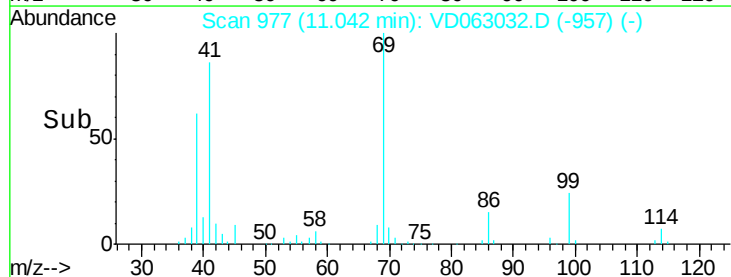
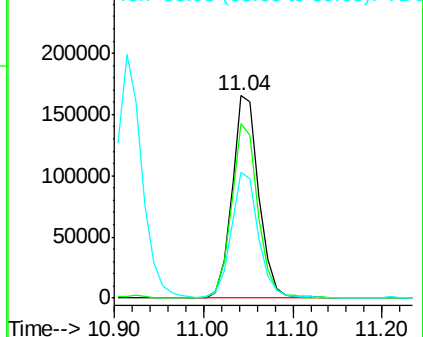


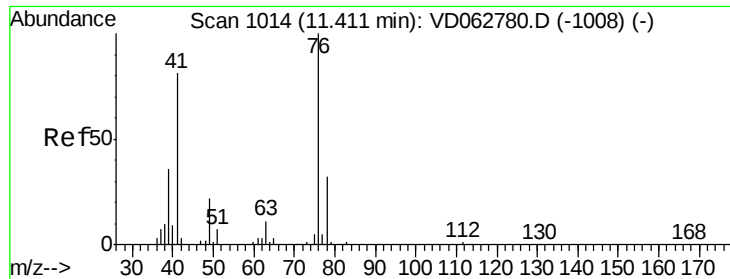
#56
 Ethyl methacrylate
 Concen: 55.028 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Tgt Ion: 69 Resp: 347490
 Ion Ratio Lower Upper
 69 100
 41 86.1 72.0 108.0
 39 62.5 49.5 74.3



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 53.321 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

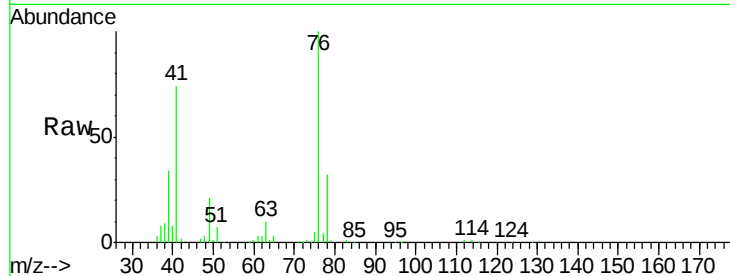
VSTDCCC050

Tot Ion: 76 Resp: 482417

Ion Ratio Lower Upper

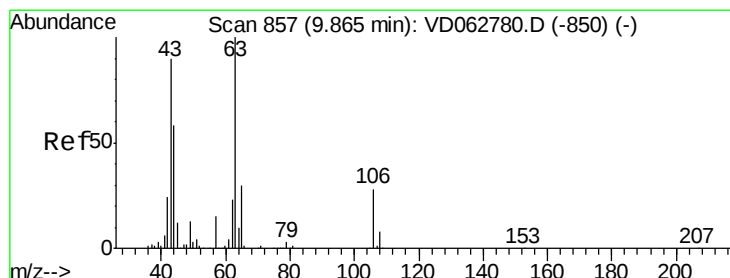
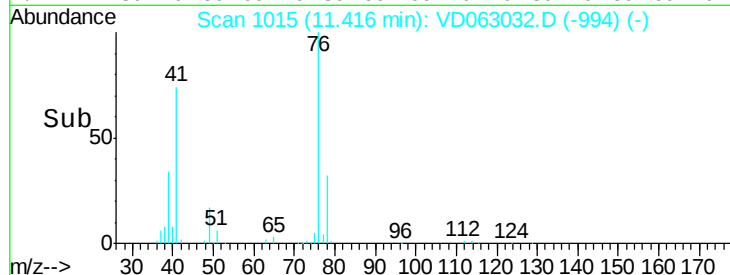
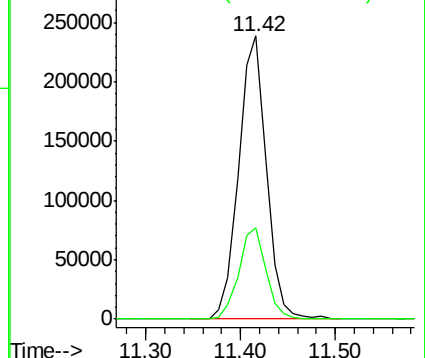
76 100

78 32.3 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 244.926 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD063032.D

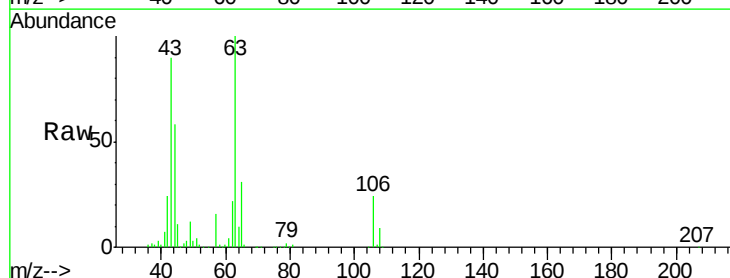
Acq: 8 Jul 2019 13:04

Tgt Ion: 63 Resp: 794029

Ion Ratio Lower Upper

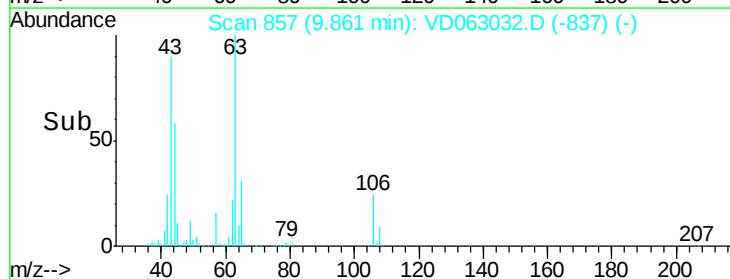
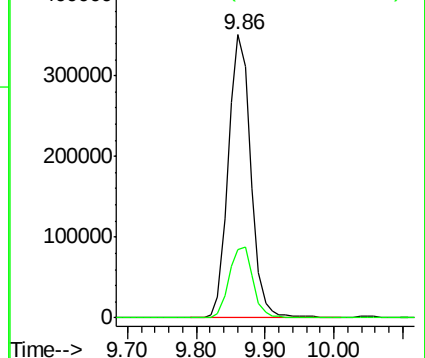
63 100

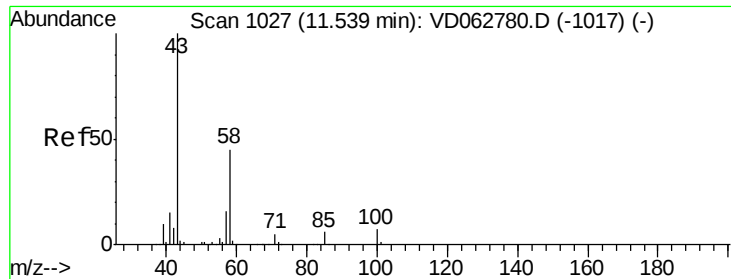
106 24.2 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

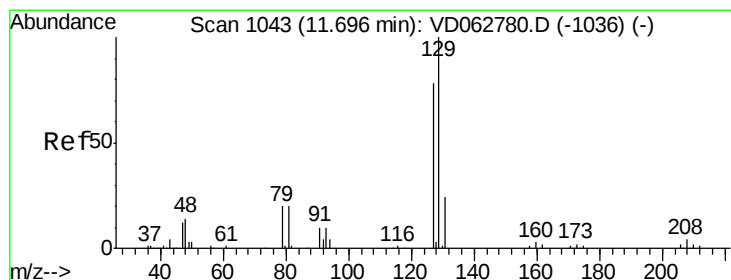
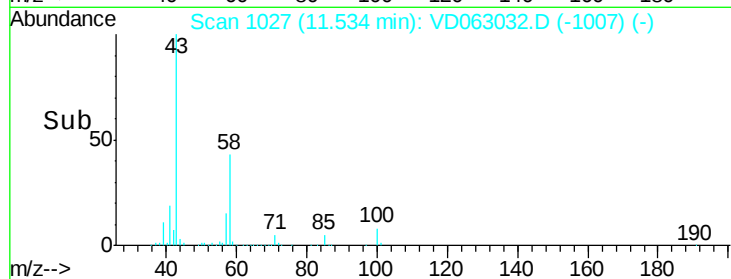
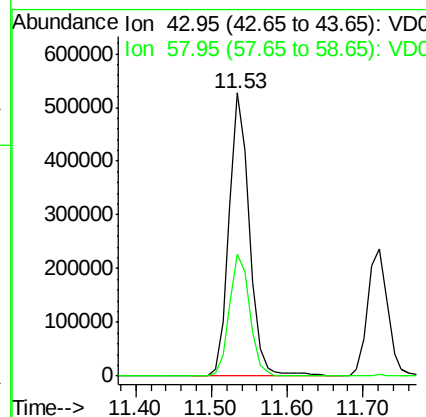
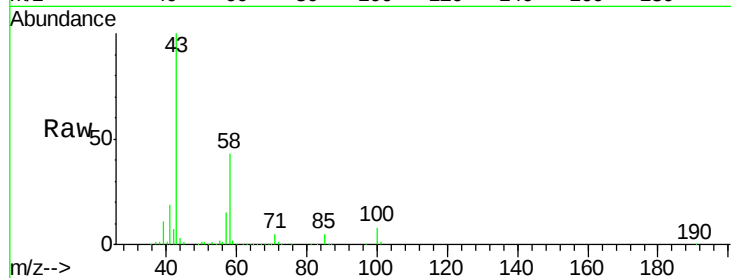




#59
2-Hexanone
Concen: 289.667 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

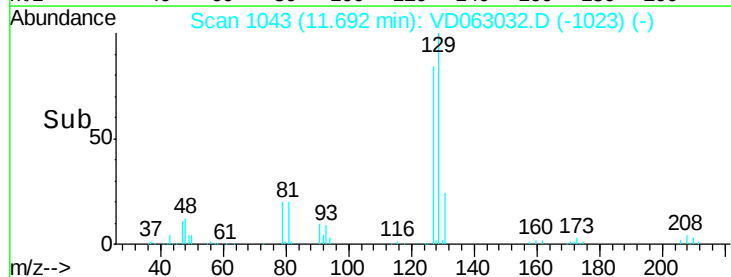
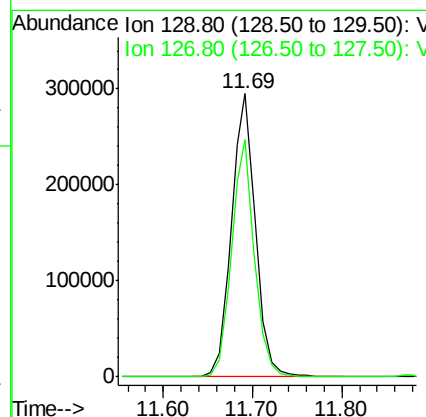
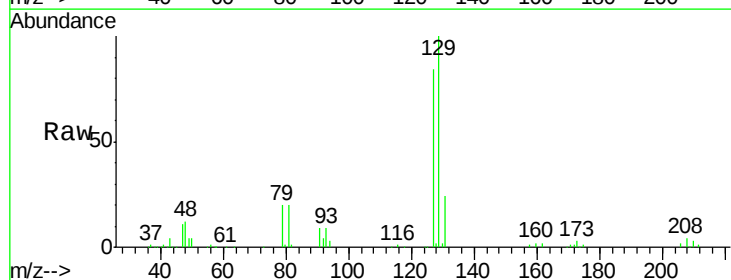
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

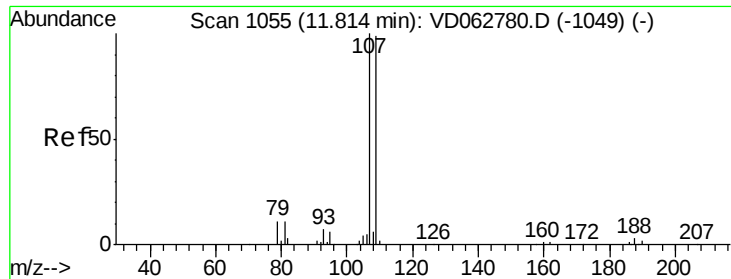
Tot Ion: 43 Resp: 977412
Ion Ratio Lower Upper
43 100
58 43.3 22.4 67.2



#60
Dibromochloromethane
Concen: 50.917 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion: 129 Resp: 560405
Ion Ratio Lower Upper
129 100
127 83.7 38.9 116.6

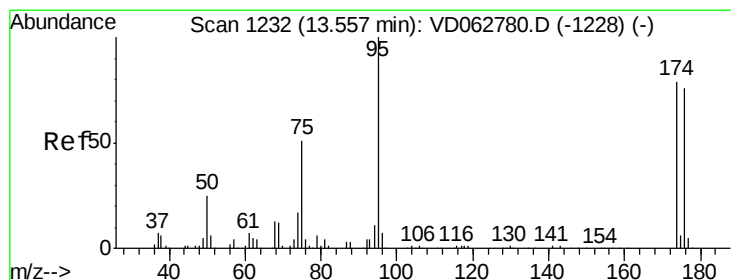
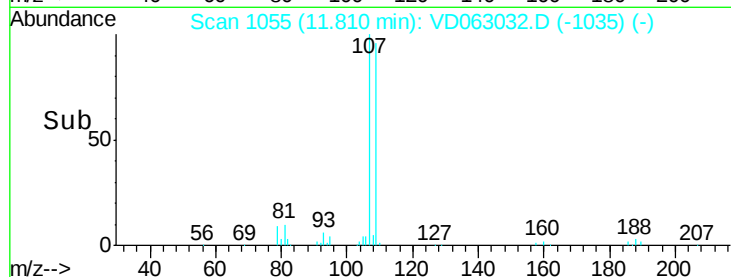
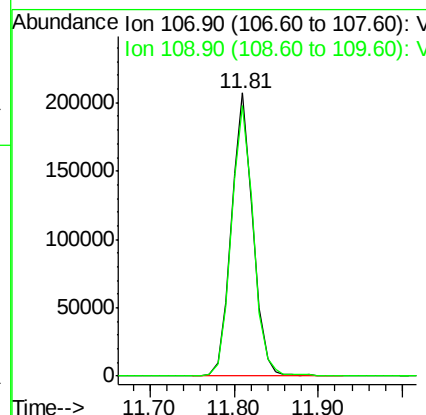
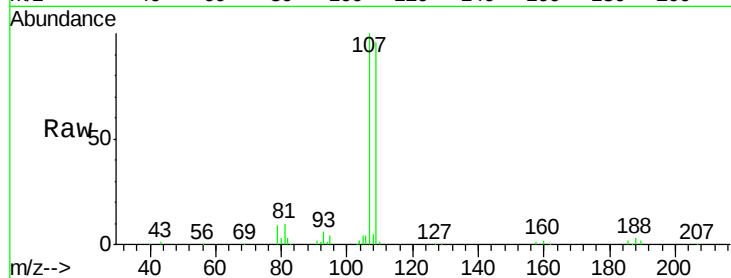




#61
 1,2-Dibromoethane
 Concen: 52.361 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

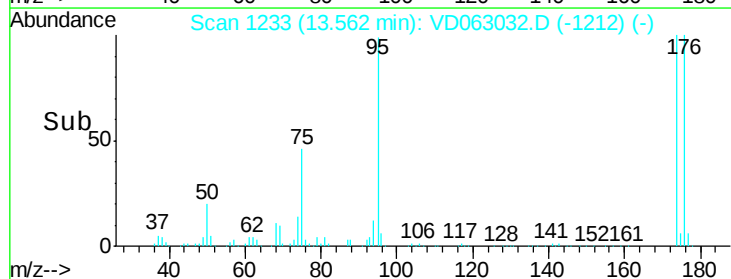
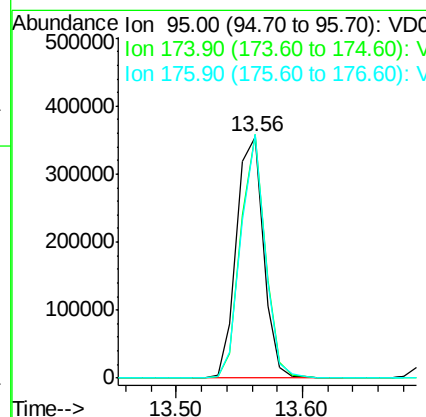
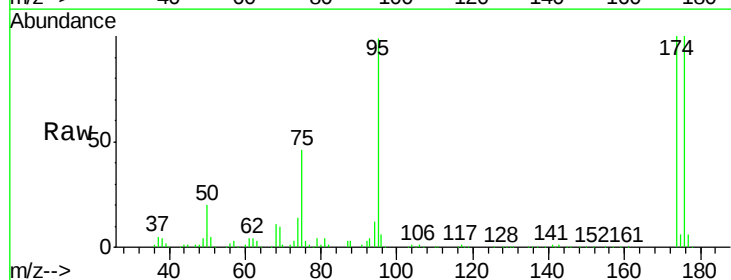
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

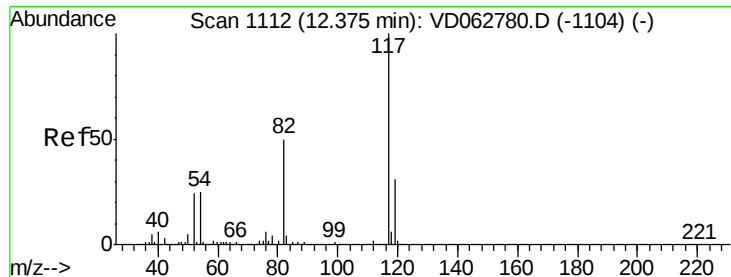
Tot Ion:107 Resp: 365410
 Ion Ratio Lower Upper
 107 100
 109 95.8 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 46.654 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Tgt Ion: 95 Resp: 524208
 Ion Ratio Lower Upper
 95 100
 174 100.8 0.0 158.0
 176 100.6 0.0 151.6

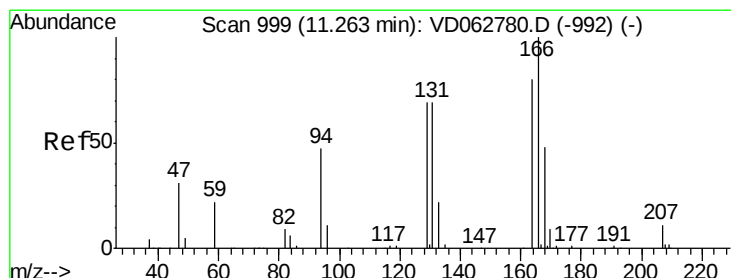
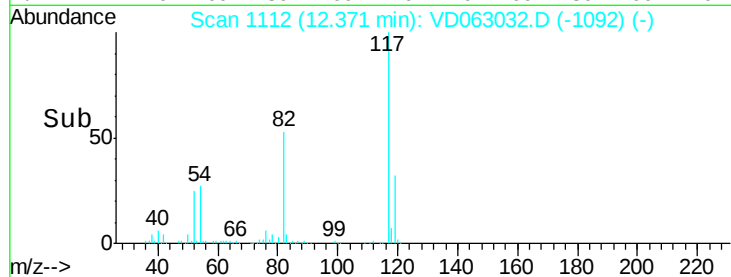
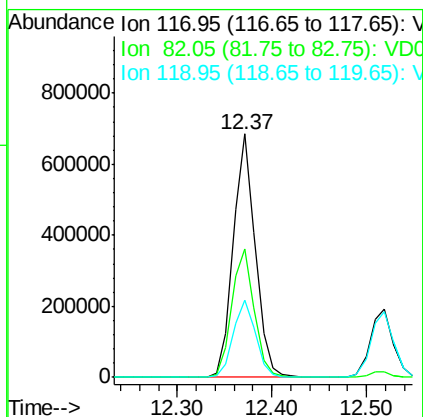
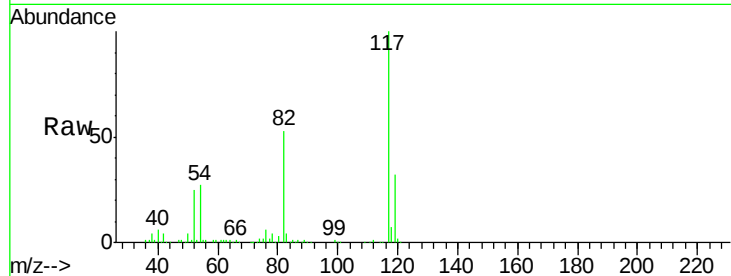




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

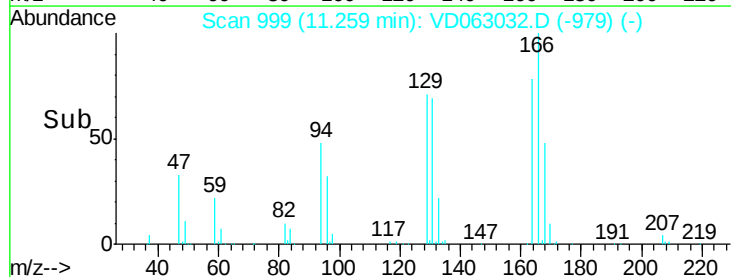
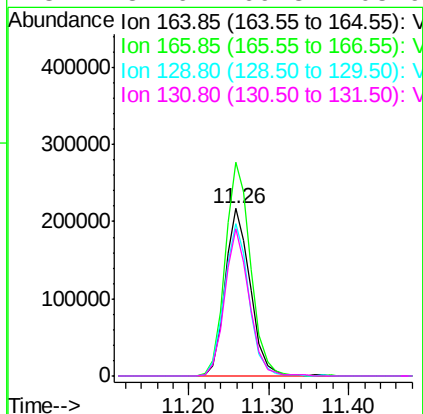
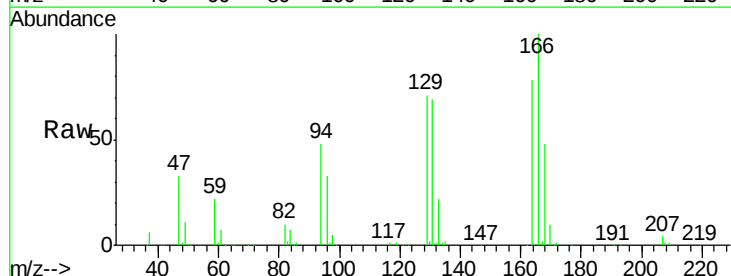
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

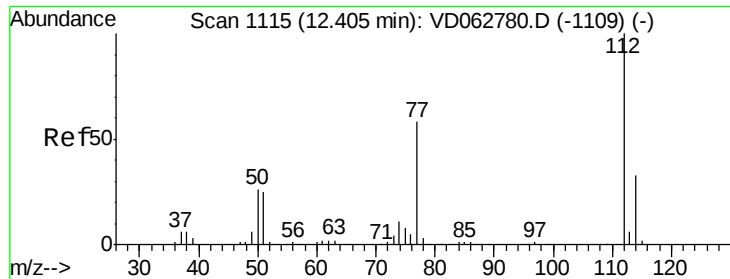
Tot Ion:117 Resp: 1105901
Ion Ratio Lower Upper
117 100
82 52.5 40.4 60.6
119 32.0 25.2 37.8



#64
Tetrachloroethene
Concen: 52.816 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion:164 Resp: 480722
Ion Ratio Lower Upper
164 100
166 127.5 100.6 150.8
129 91.1 69.4 104.0
131 87.6 69.3 103.9

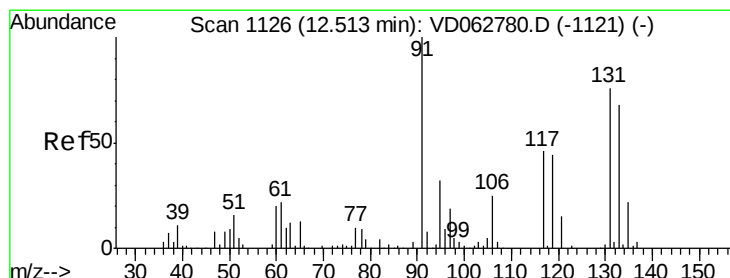
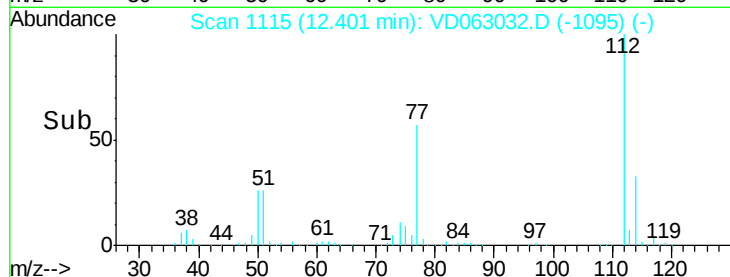
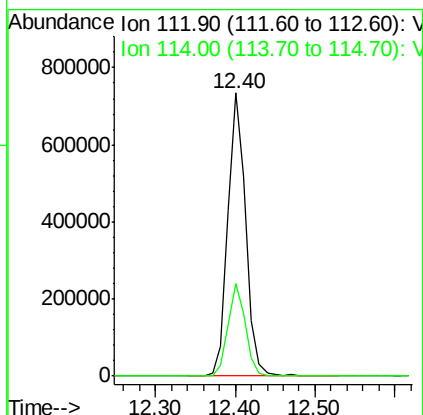
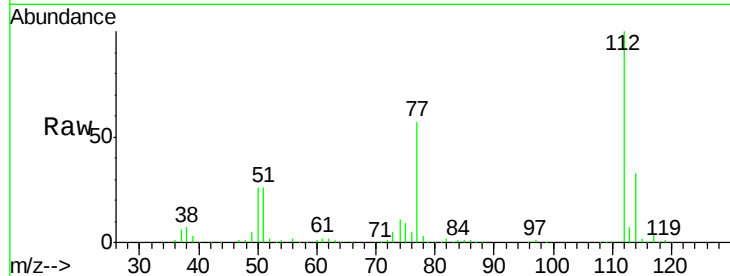




#65
Chlorobenzene
Concen: 56.525 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

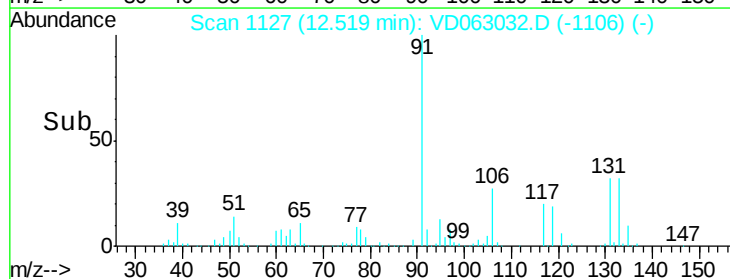
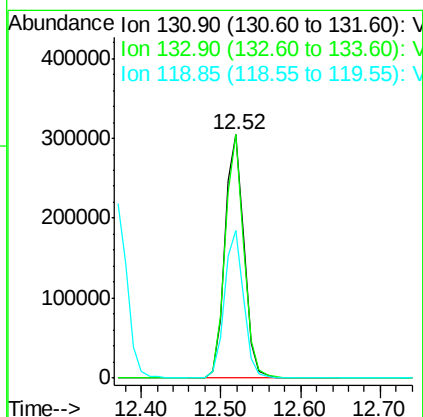
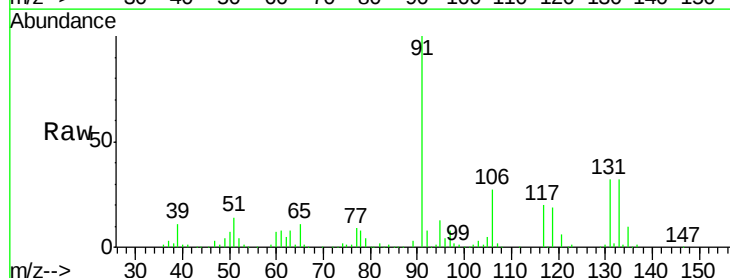
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

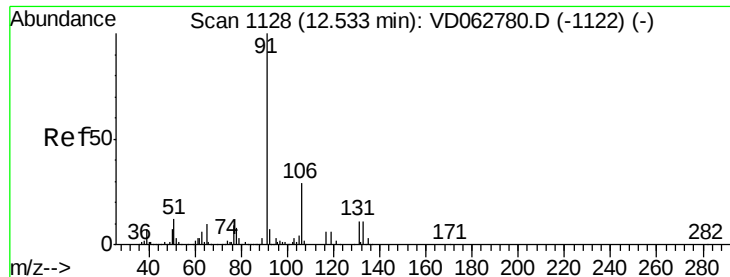
Tot Ion:112 Resp: 1160142
Ion Ratio Lower Upper
112 100
114 32.6 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 53.647 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion:131 Resp: 514924
Ion Ratio Lower Upper
131 100
133 100.0 44.5 133.3
119 60.9 28.6 85.9

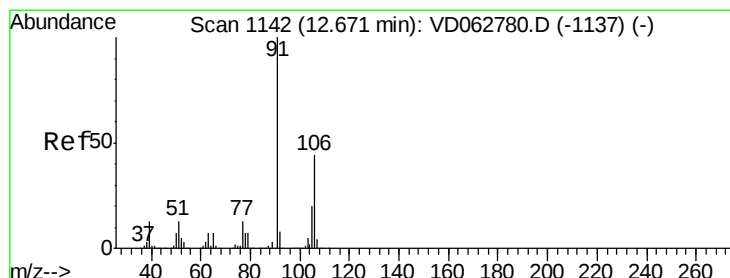
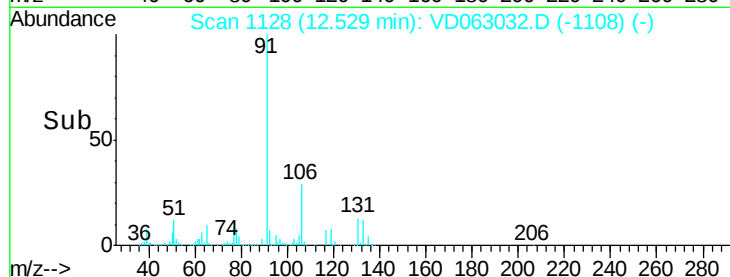
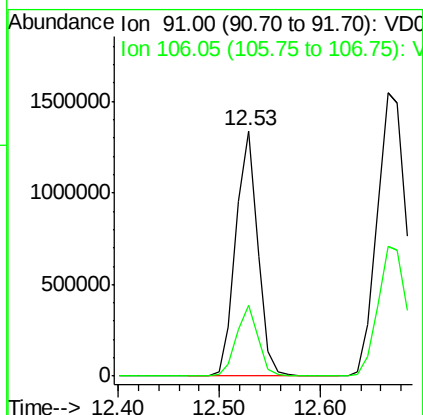
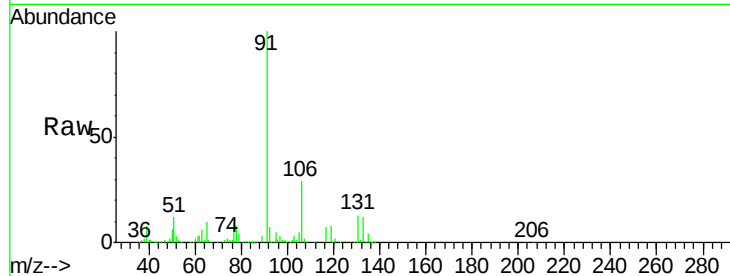




#67
Ethyl Benzene
Concen: 54.913 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

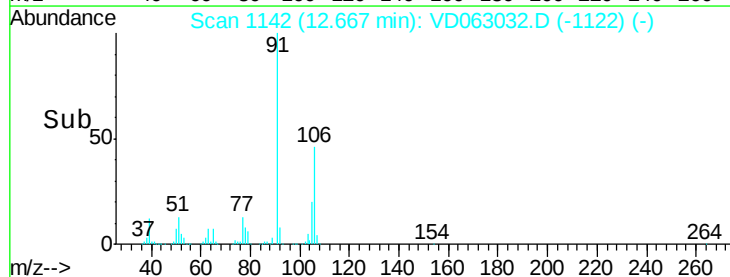
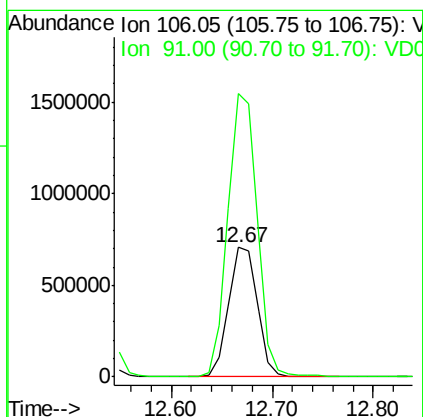
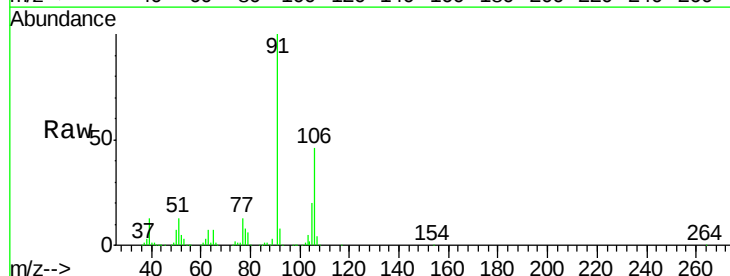
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

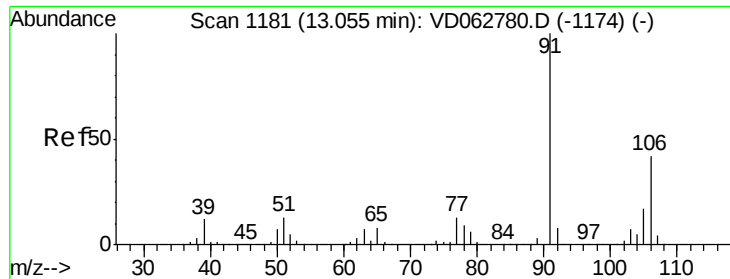
Tot Ion: 91 Resp: 2023514
Ion Ratio Lower Upper
91 100
106 29.1 23.1 34.7



#68
m/p-Xylenes
Concen: 109.312 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion: 106 Resp: 1402935
Ion Ratio Lower Upper
106 100
91 219.1 183.0 274.6

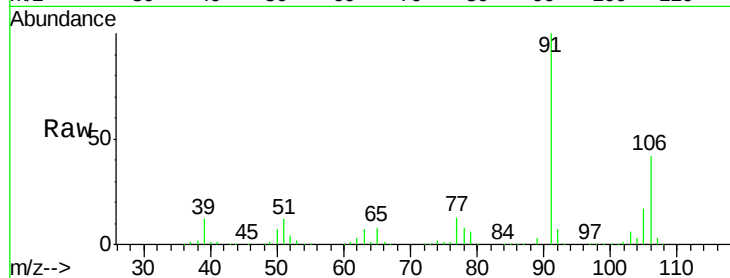




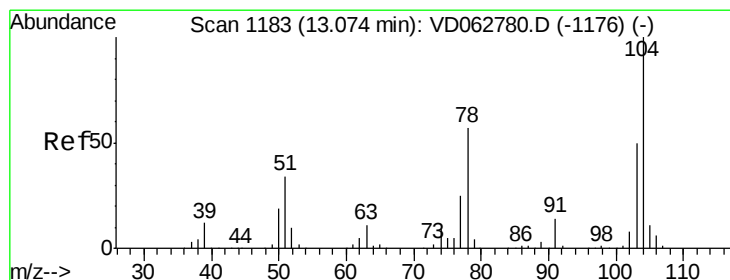
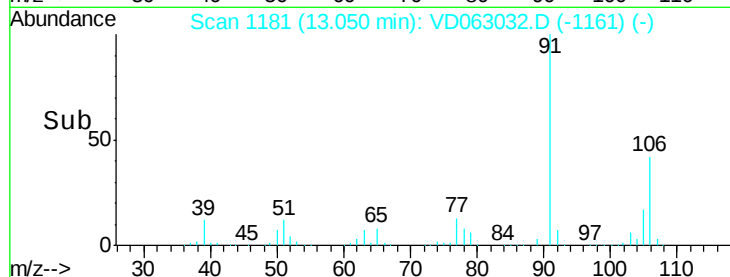
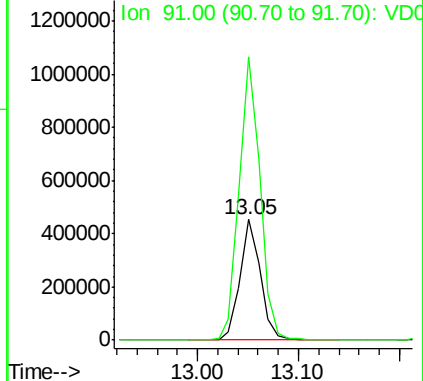
#69
o-Xylene
Concen: 54.122 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 634987
Ion Ratio Lower Upper
106 100
91 235.4 117.9 353.6

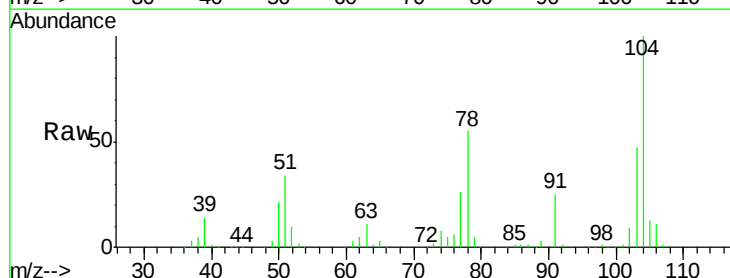


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

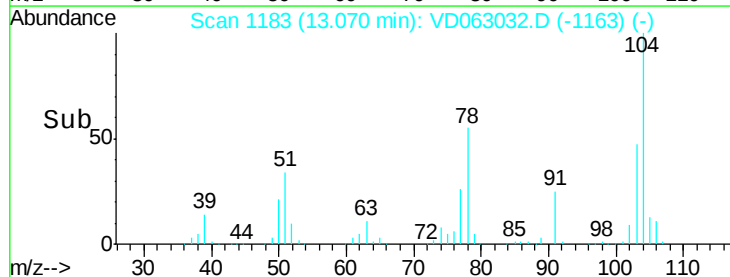
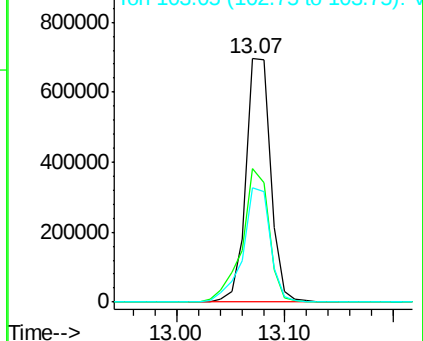


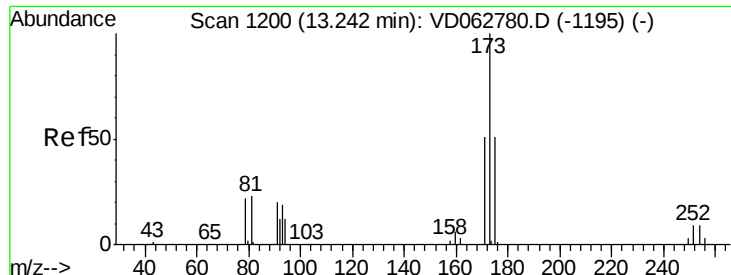
#70
Styrene
Concen: 53.602 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion:104 Resp: 1104597
Ion Ratio Lower Upper
104 100
78 55.1 45.4 68.2
103 47.0 39.7 59.5



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





#71

Bromoform

Concen: 54.345 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

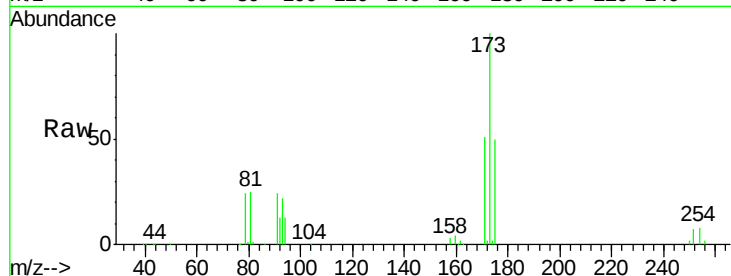
Tot Ion:173 Resp: 357388

Ion Ratio Lower Upper

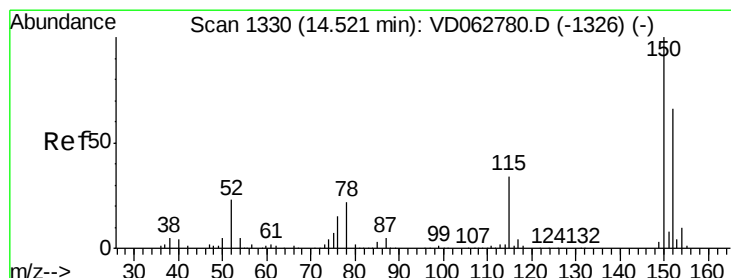
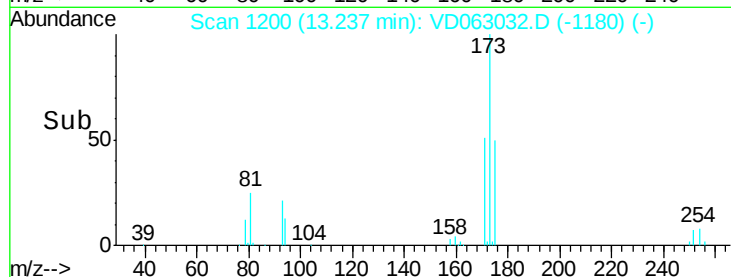
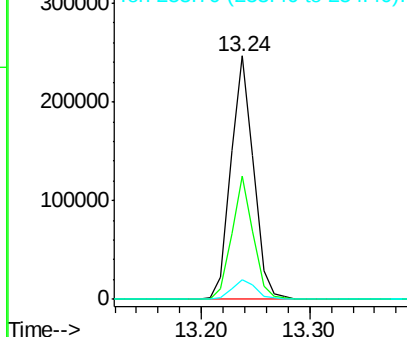
173 100

175 50.5 25.3 75.9

254 8.1 7.1 10.7



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

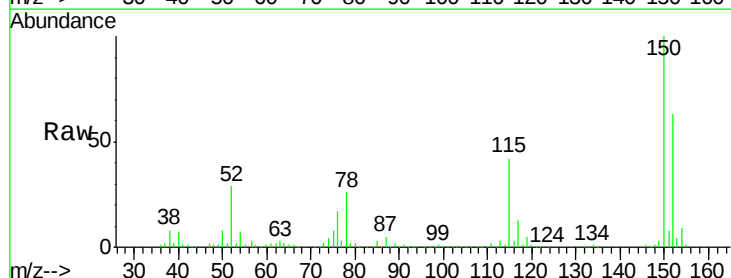
Tgt Ion:152 Resp: 572661

Ion Ratio Lower Upper

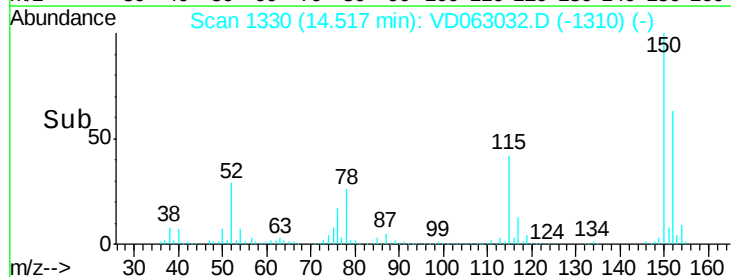
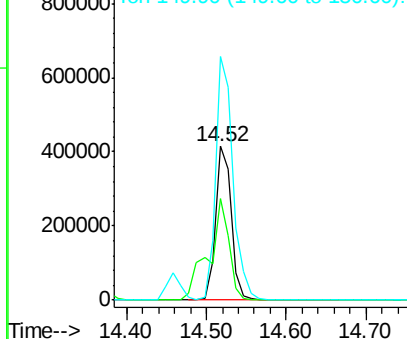
152 100

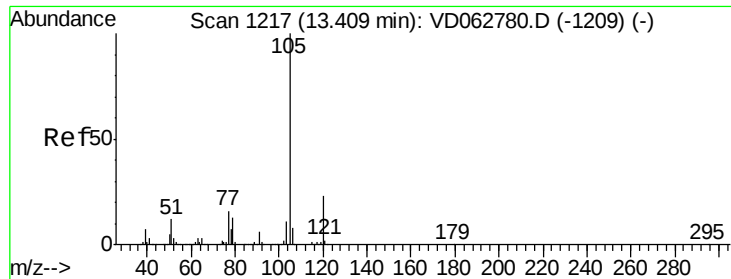
115 65.9 29.2 87.6

150 158.4 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.808 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

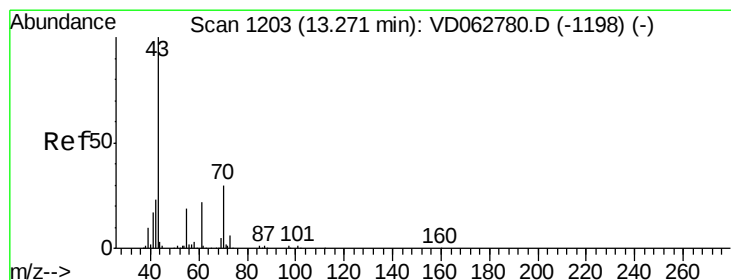
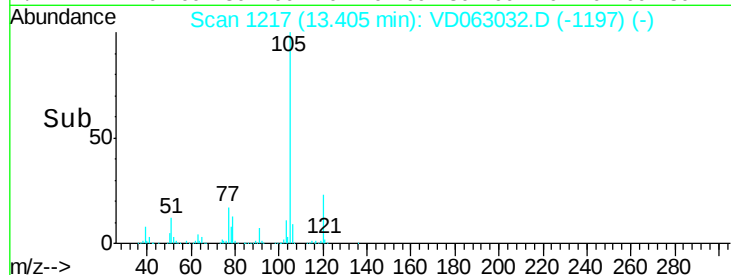
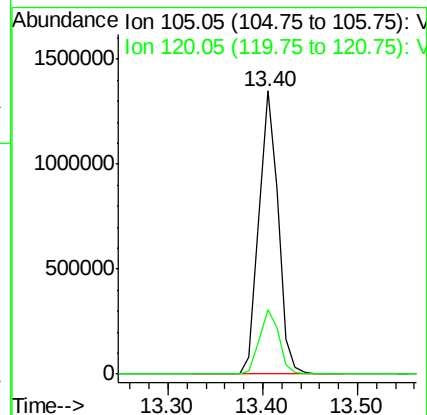
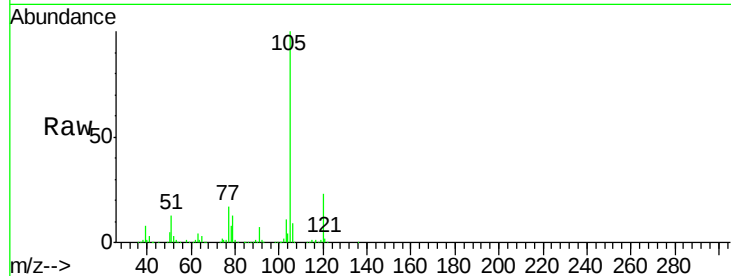
VSTDCCC050

Tot Ion:105 Resp: 1902283

Ion Ratio Lower Upper

105 100

120 22.7 11.6 34.7



#74

N-ethyl acetate

Concen: 60.167 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Tgt Ion: 43 Resp: 536502

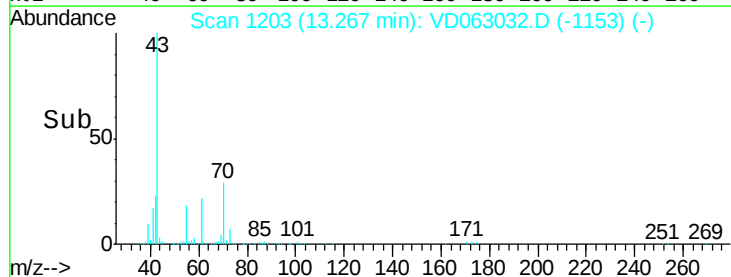
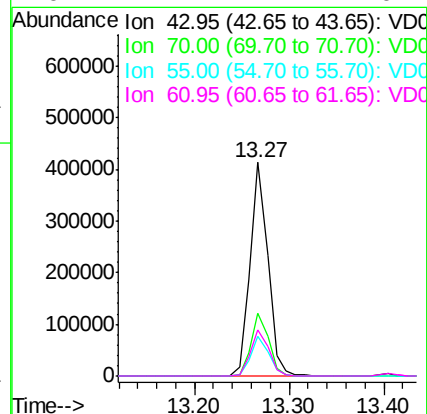
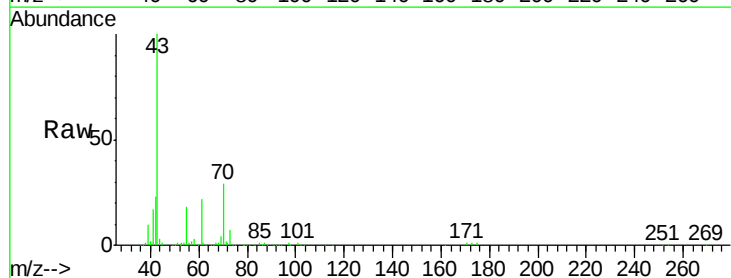
Ion Ratio Lower Upper

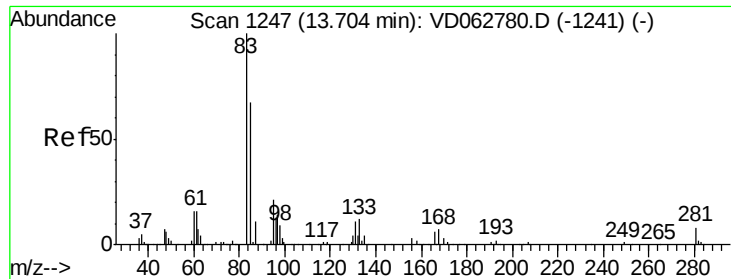
43 100

70 29.2 24.4 36.6

55 18.3 15.2 22.8

61 21.7 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 58.327 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

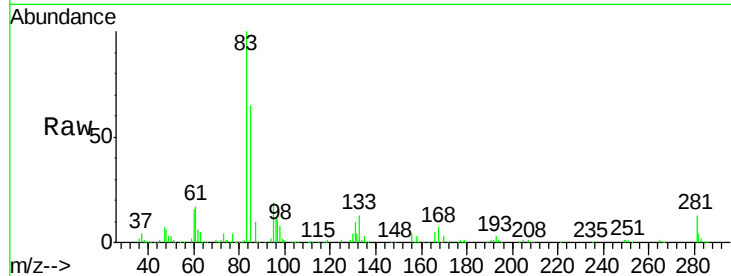
Tot Ion: 83 Resp: 348949

Ion Ratio Lower Upper

83 100

131 9.8 5.3 16.1

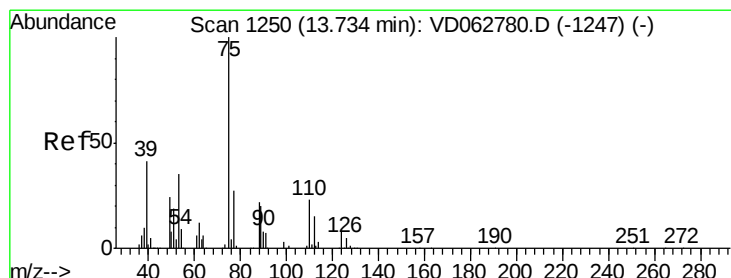
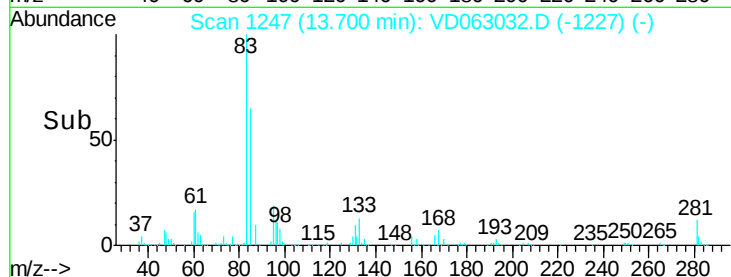
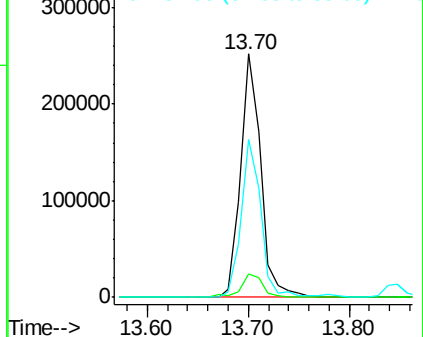
85 65.0 33.7 101.1



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: 58.344 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD063032.D

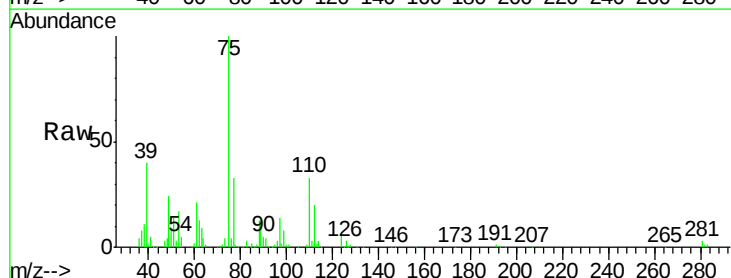
Acq: 8 Jul 2019 13:04

Tgt Ion: 75 Resp: 385710

Ion Ratio Lower Upper

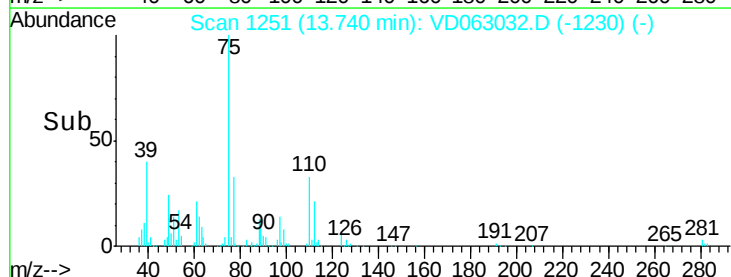
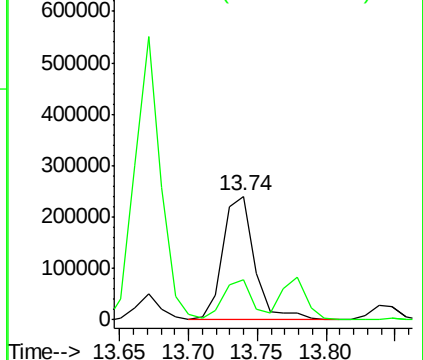
75 100

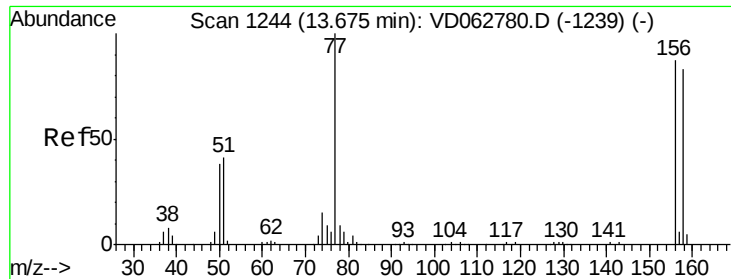
77 32.7 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 55.087 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

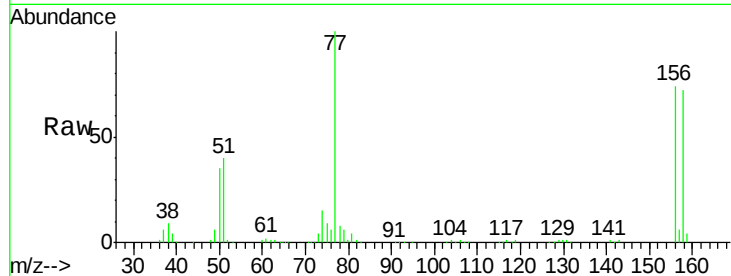
Tot Ion:156 Resp: 544044

Ion Ratio Lower Upper

156 100

77 135.3 57.7 173.1

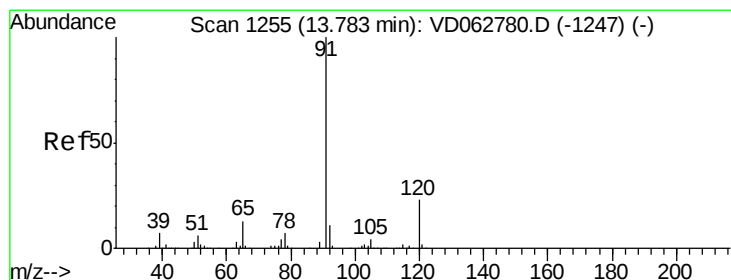
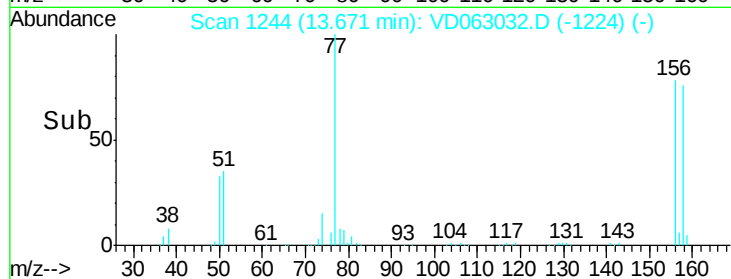
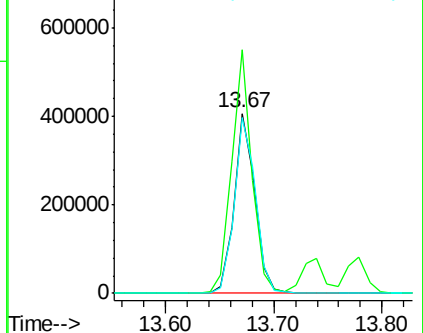
158 97.4 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 57.906 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD063032.D

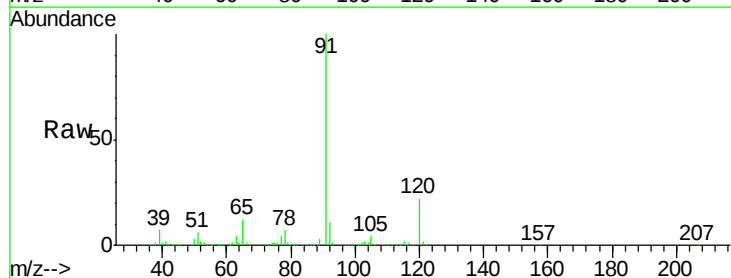
Acq: 8 Jul 2019 13:04

Tgt Ion: 91 Resp: 2474688

Ion Ratio Lower Upper

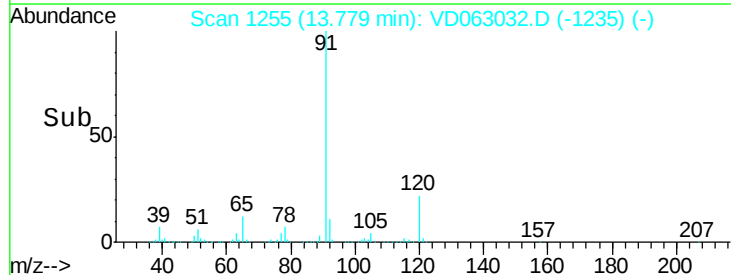
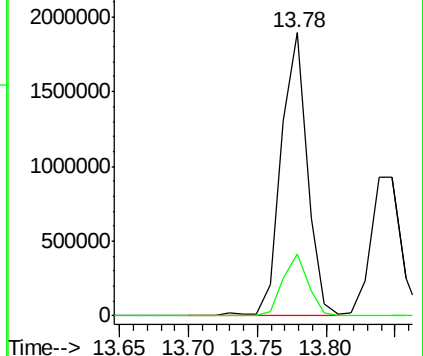
91 100

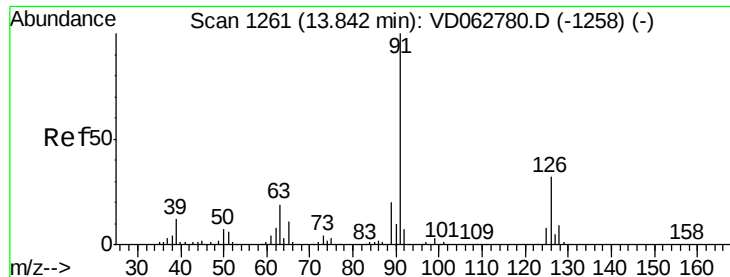
120 21.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

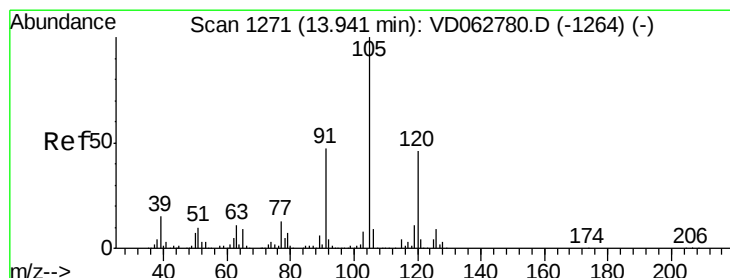
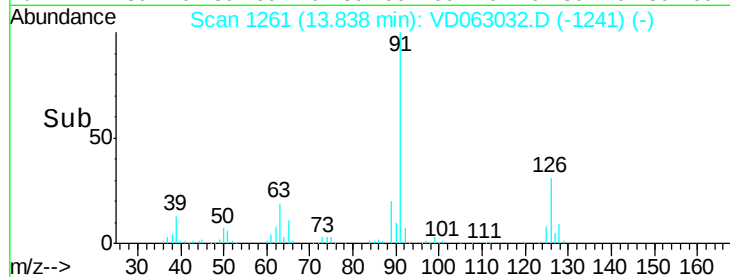
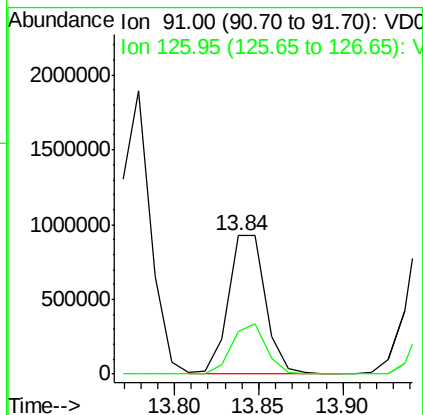
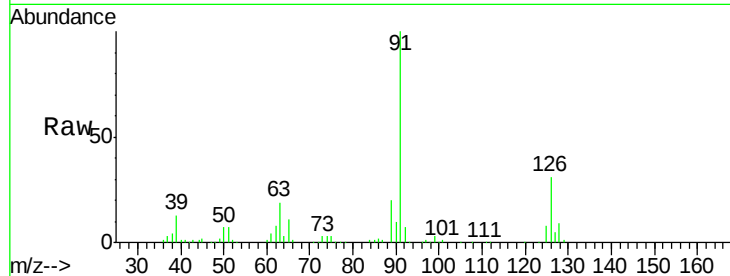




#79
 2-Chlorotoluene
 Concen: 57.806 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

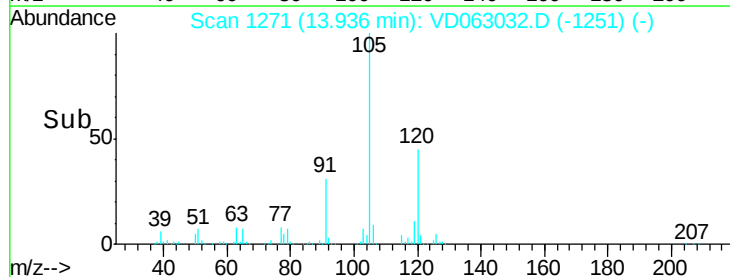
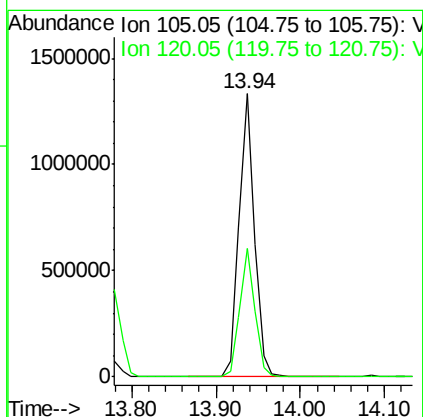
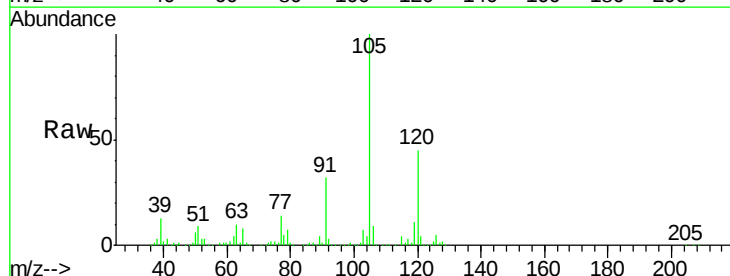
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

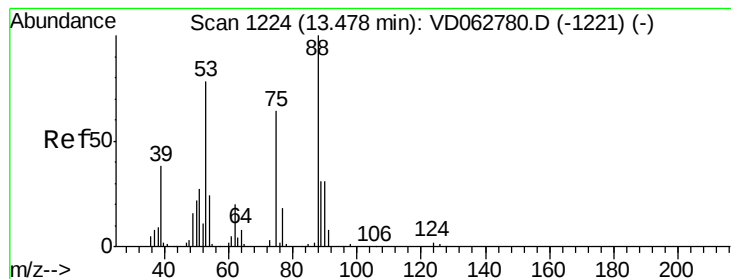
Tot Ion: 91 Resp: 1411794
 Ion Ratio Lower Upper
 91 100
 126 30.7 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 55.035 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Tgt Ion:105 Resp: 1697372
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 58.492 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

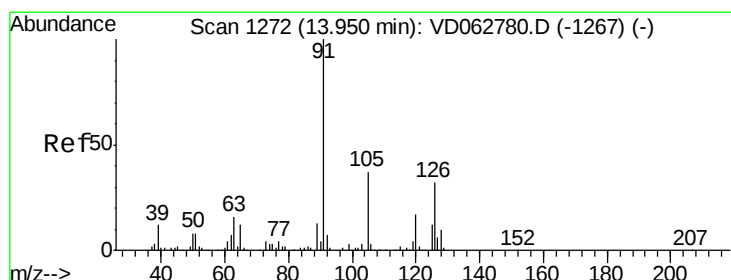
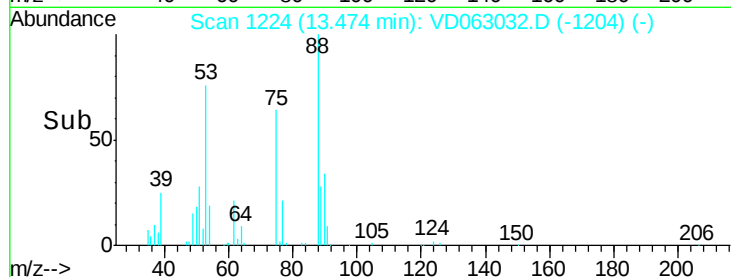
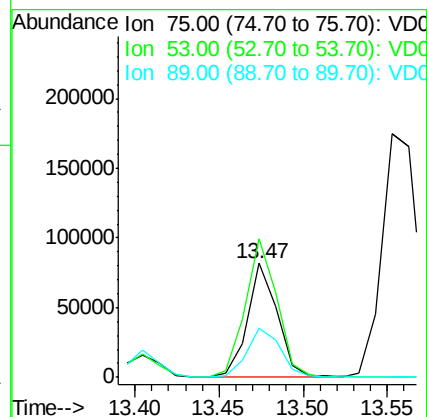
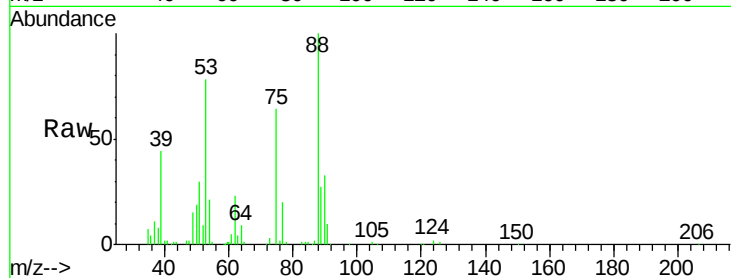
Tot Ion: 75 Resp: 101345

Ion Ratio Lower Upper

75 100

53 121.3 97.8 146.8

89 42.9 39.4 59.2



#82

4-Chlorotoluene

Concen: 54.698 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063032.D

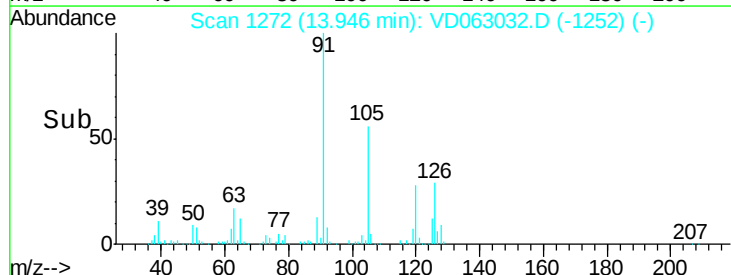
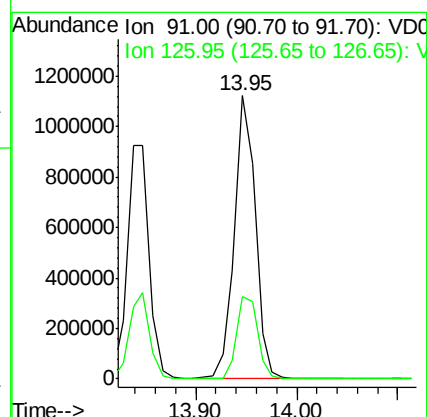
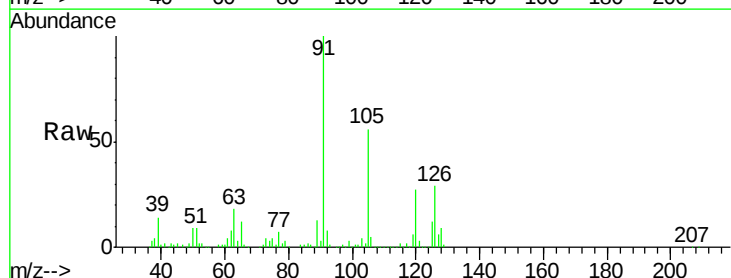
Acq: 8 Jul 2019 13:04

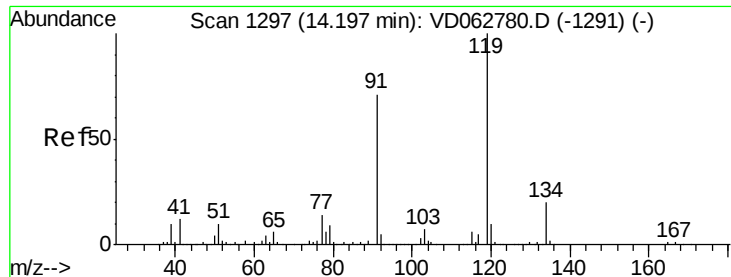
Tgt Ion: 91 Resp: 1608275

Ion Ratio Lower Upper

91 100

126 29.2 16.0 47.9

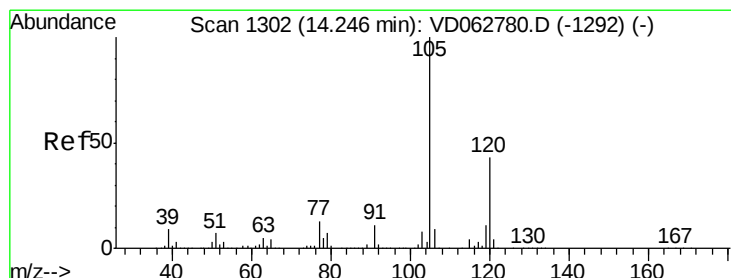
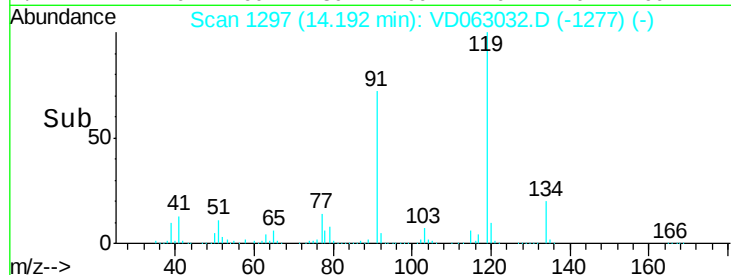
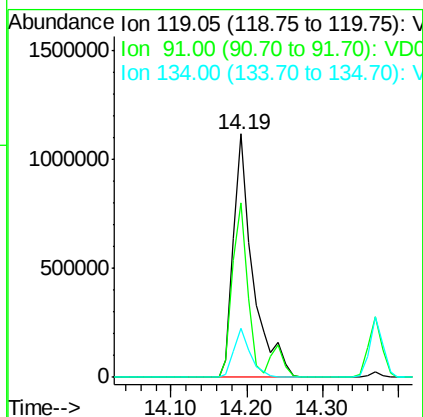
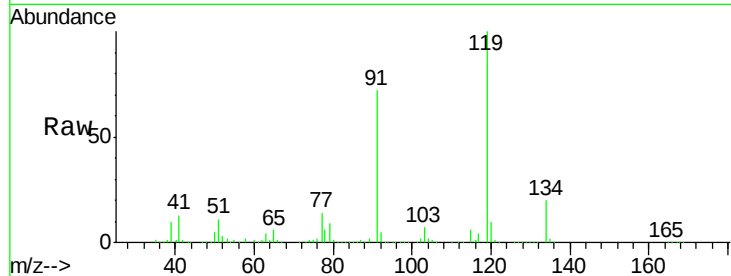




#83
tert-Butylbenzene
Concen: 57.335 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

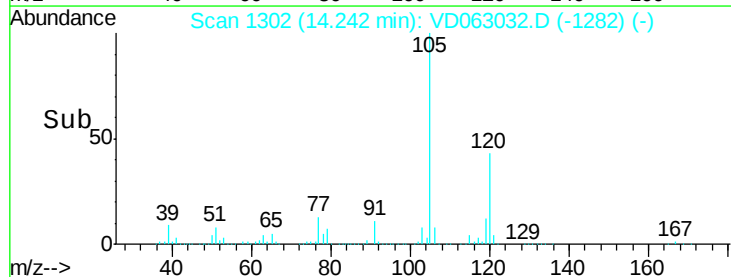
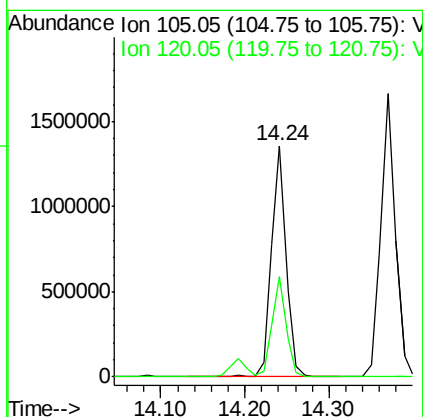
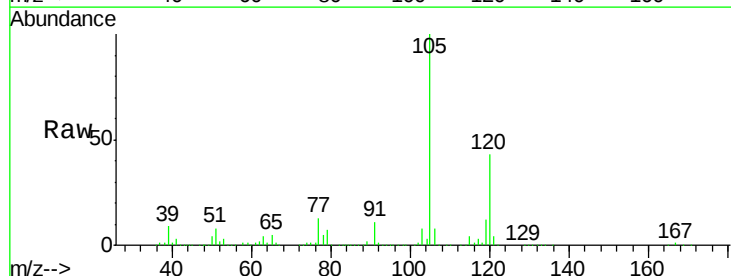
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

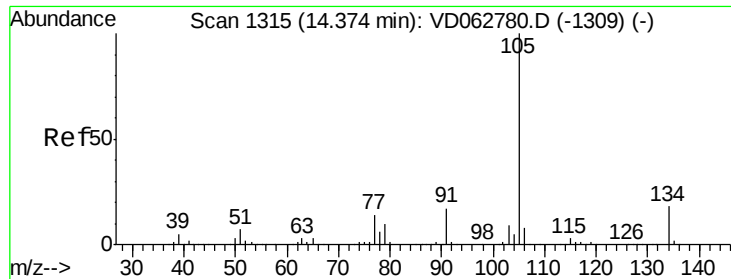
Tot Ion:119 Resp: 1971047
Ion Ratio Lower Upper
119 100
91 71.9 35.5 106.5
134 19.9 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 52.870 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion:105 Resp: 1671282
Ion Ratio Lower Upper
105 100
120 43.3 21.3 63.9

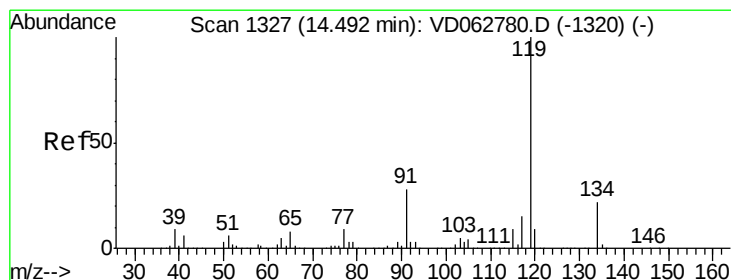
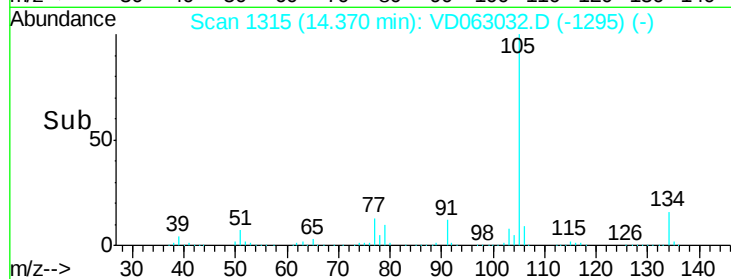
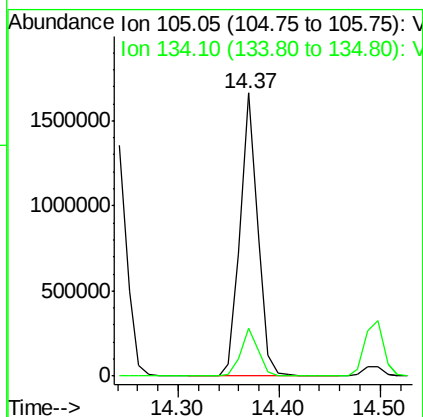
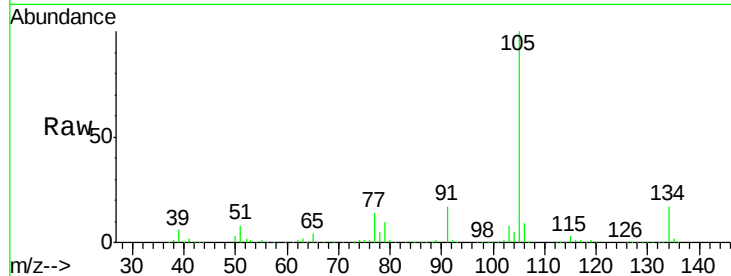




#85
 sec-Butylbenzene
 Concen: 53.781 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

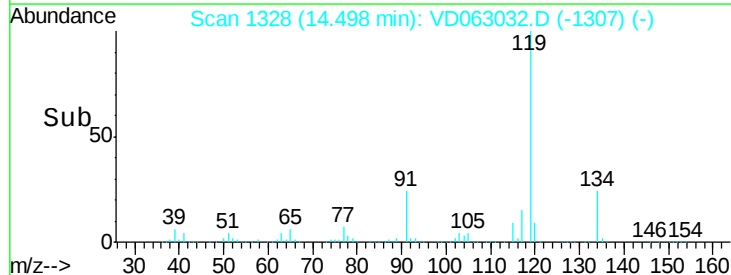
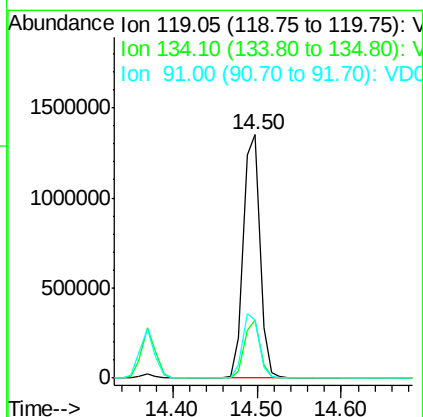
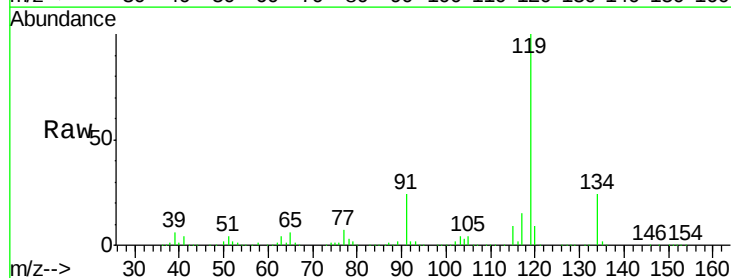
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

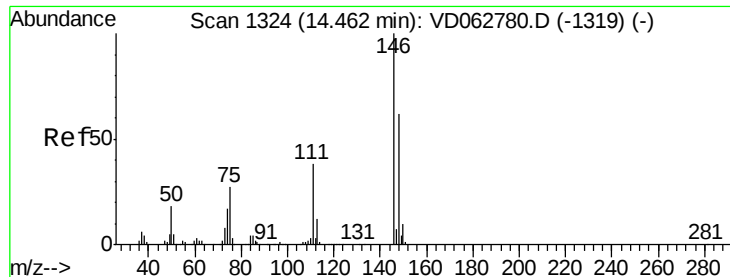
Tot Ion:105 Resp: 2009456
 Ion Ratio Lower Upper
 105 100
 134 16.8 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 54.357 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Tgt Ion:119 Resp: 1858027
 Ion Ratio Lower Upper
 119 100
 134 23.9 11.1 33.1
 91 23.7 14.0 41.9





#87

1,3-Dichlorobenzene

Concen: 51.079 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

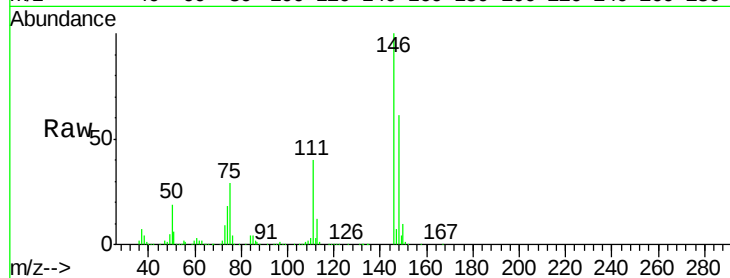
Tot Ion:146 Resp: 904278

Ion Ratio Lower Upper

146 100

111 40.3 19.0 57.0

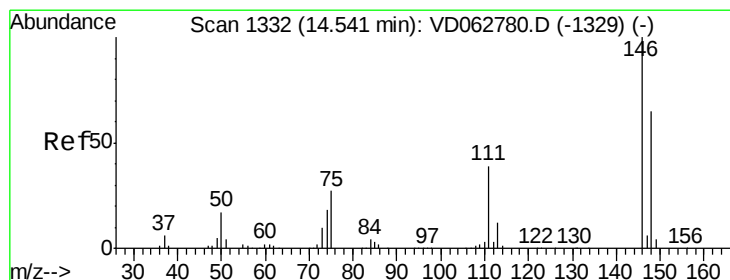
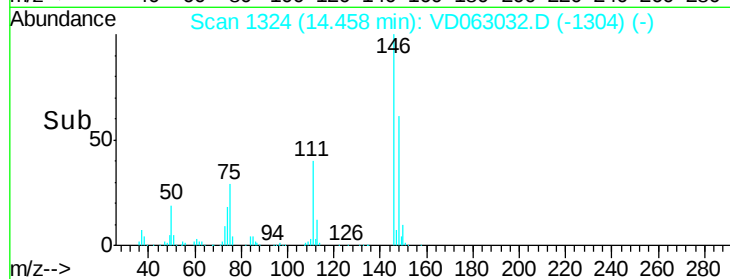
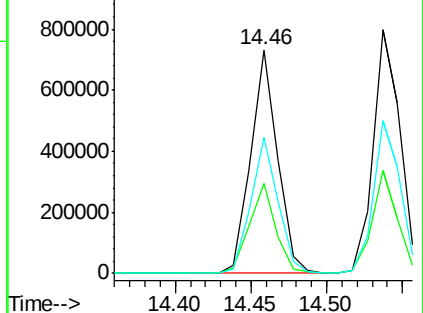
148 60.8 30.8 92.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 56.236 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

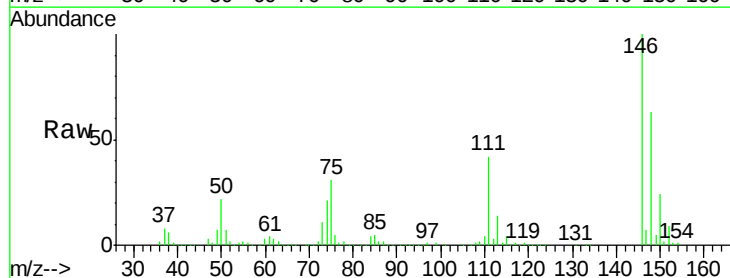
Tgt Ion:146 Resp: 999953

Ion Ratio Lower Upper

146 100

111 42.3 19.7 59.1

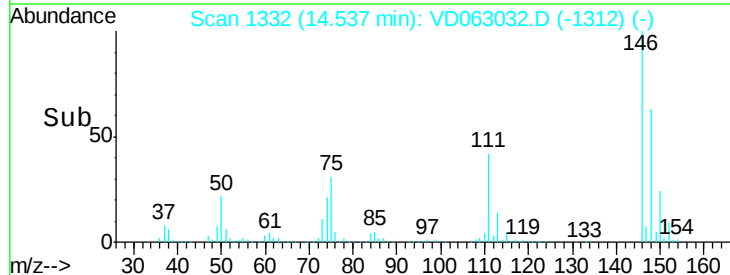
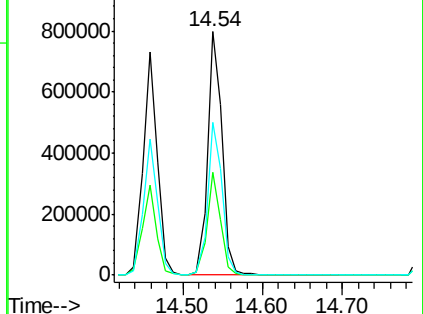
148 62.6 32.8 98.3

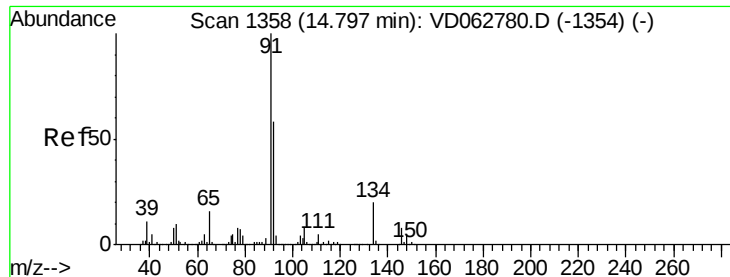


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 54.383 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

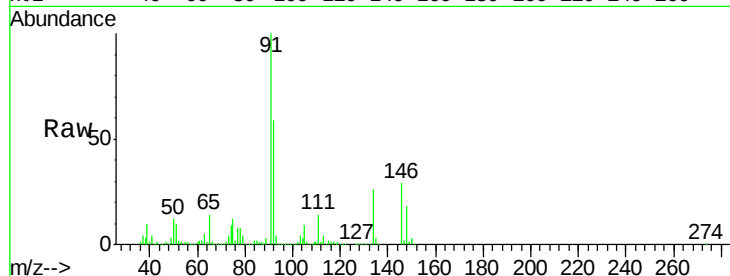
Tot Ion: 91 Resp: 1739895

Ion	Ratio	Lower	Upper
91	100		
92	59.1	28.9	86.7
134	26.0	10.1	30.3

91 100

92 59.1 28.9 86.7

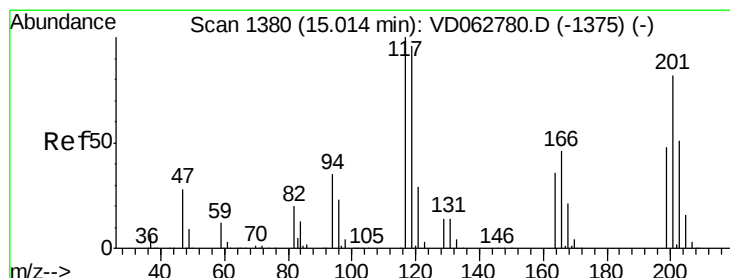
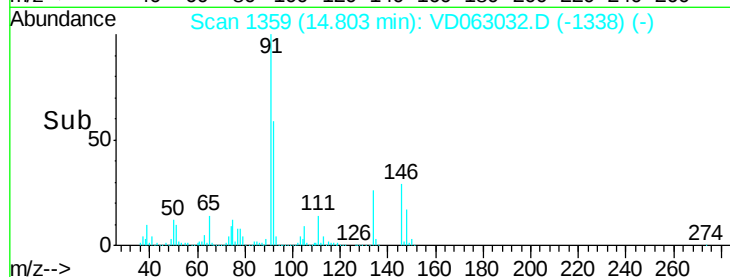
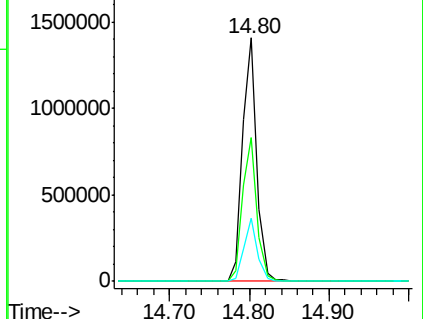
134 26.0 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 57.395 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063032.D

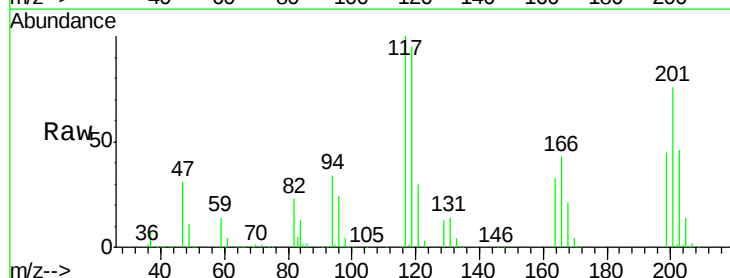
Acq: 8 Jul 2019 13:04

Tgt Ion: 117 Resp: 527493

Ion	Ratio	Lower	Upper
117	100		
201	75.8	40.8	122.2

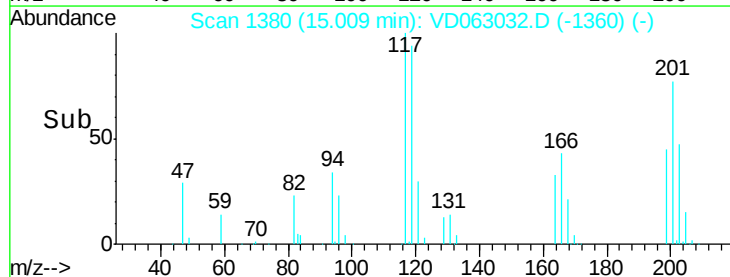
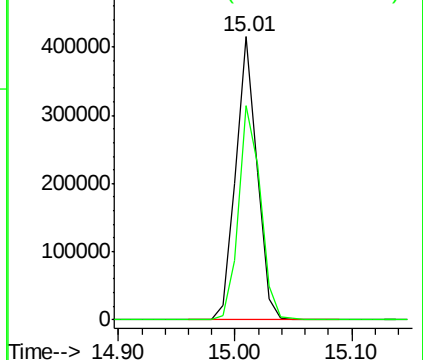
117 100

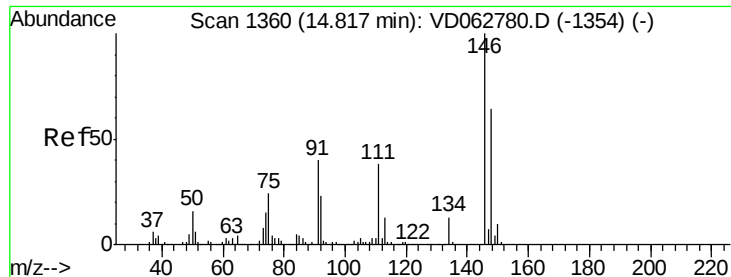
201 75.8 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 56.745 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

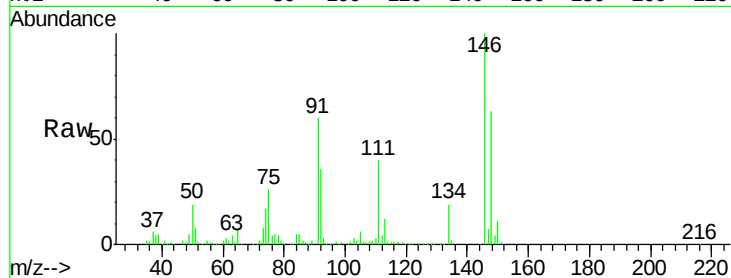
Tot Ion:146 Resp: 859506

Ion Ratio Lower Upper

146 100

111 40.5 19.1 57.1

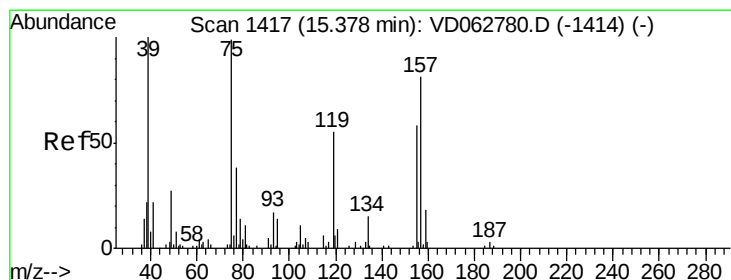
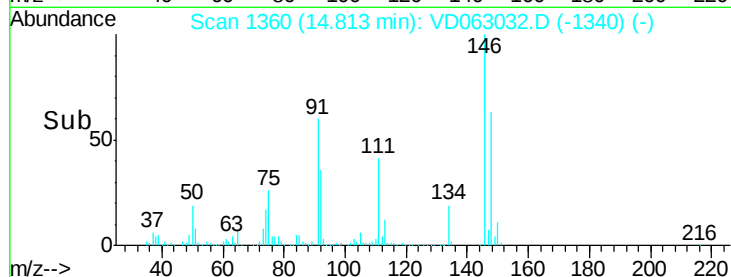
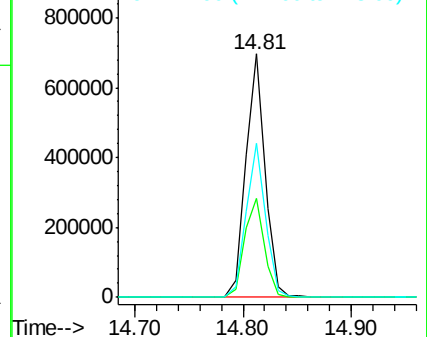
148 63.4 32.3 96.8



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: 56.809 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

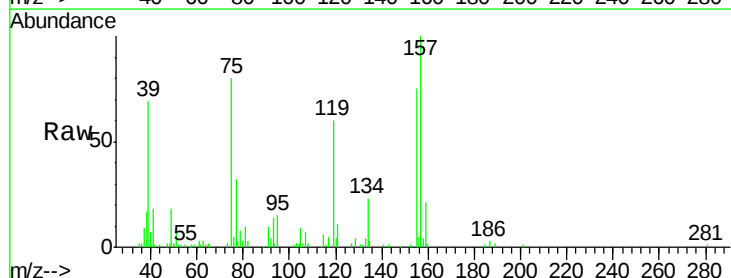
Tgt Ion: 75 Resp: 66335

Ion Ratio Lower Upper

75 100

155 92.8 29.3 87.8#

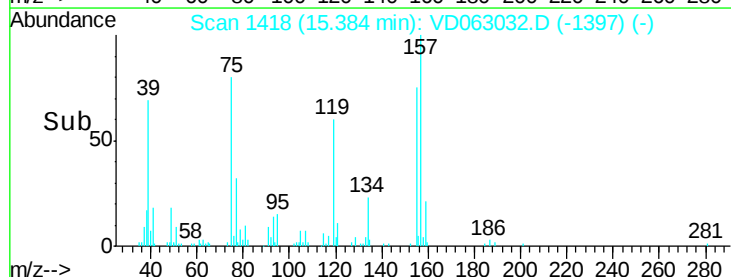
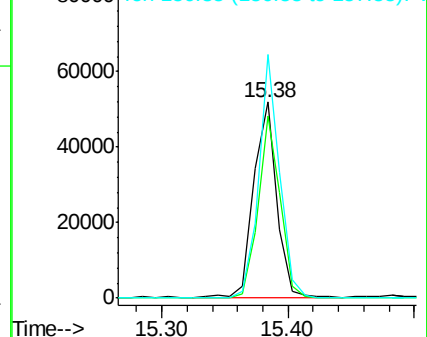
157 124.2 41.3 123.7#

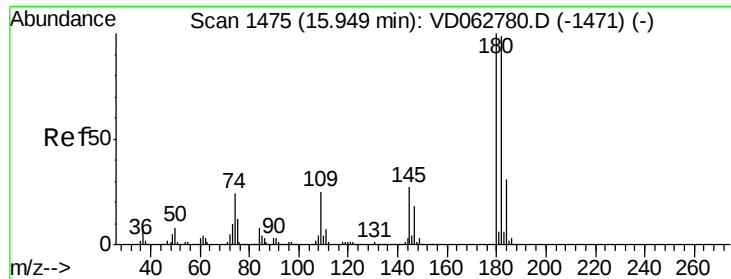


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

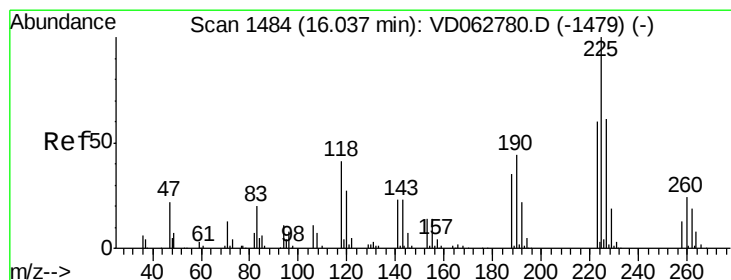
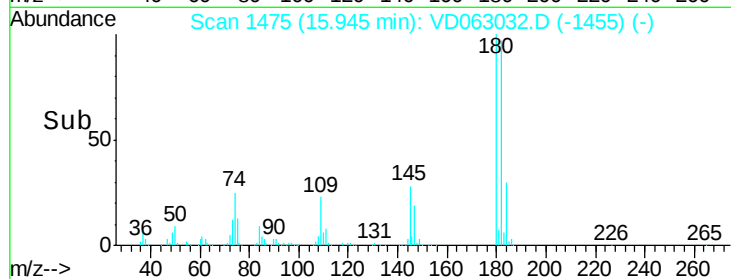
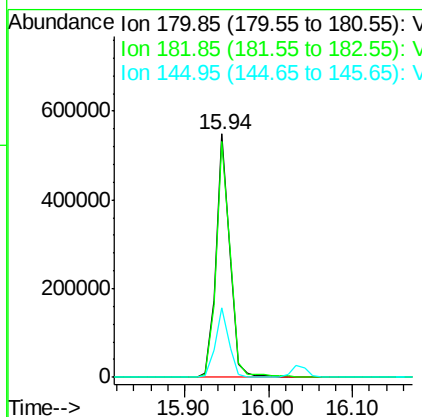
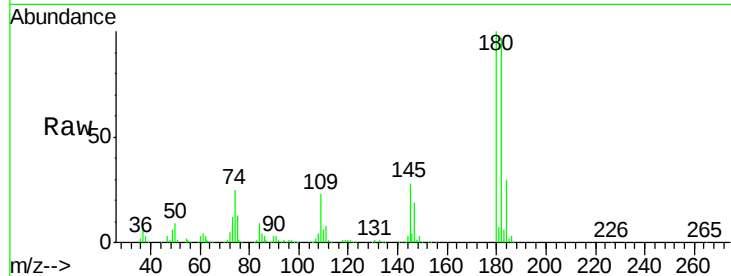




#93
 1,2,4-Trichlorobenzene
 Concen: 52.734 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

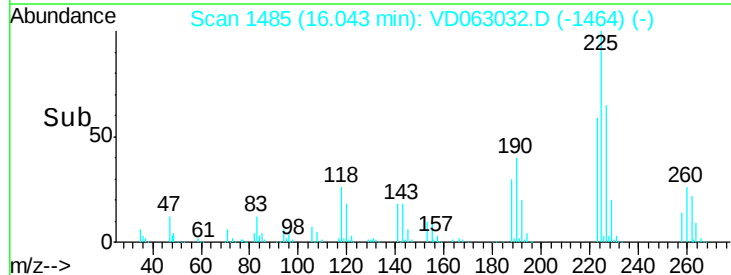
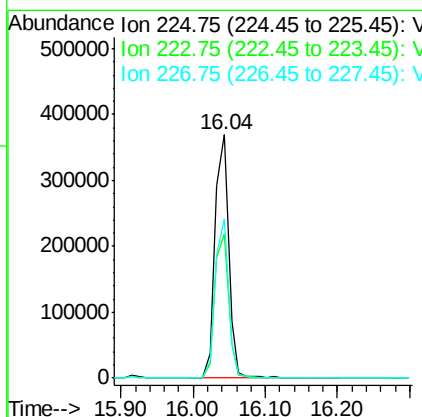
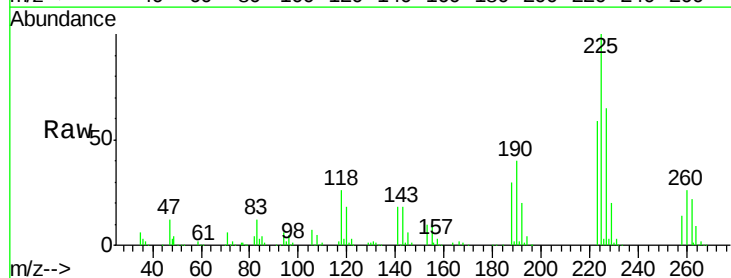
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

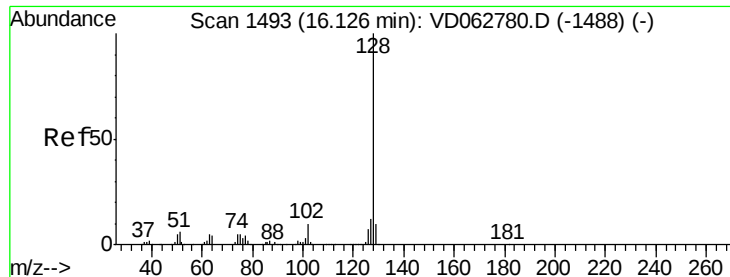
Tot Ion:180 Resp: 623957
 Ion Ratio Lower Upper
 180 100
 182 96.8 49.5 148.5
 145 28.4 13.7 41.0



#94
 Hexachlorobutadiene
 Concen: 52.992 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Tgt Ion:225 Resp: 479009
 Ion Ratio Lower Upper
 225 100
 223 59.0 29.8 89.5
 227 65.1 30.6 91.6

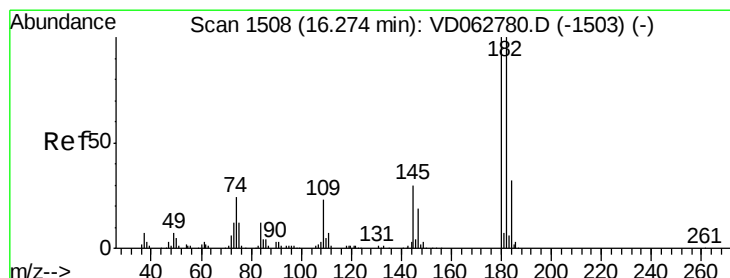
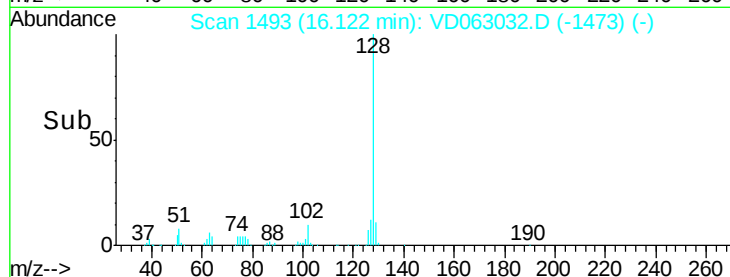
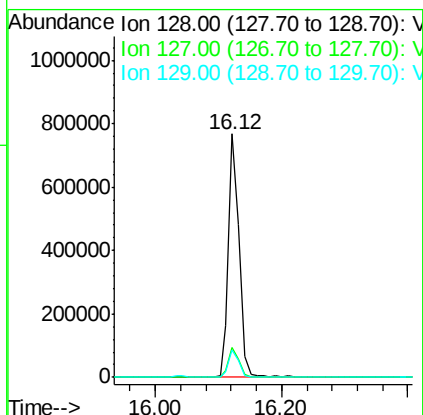
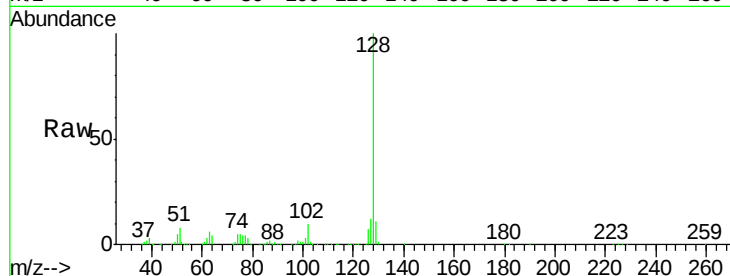




#95
Naphthalene
Concen: 54.387 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 901956
Ion Ratio Lower Upper
128 100
127 12.4 9.7 14.5
129 11.2 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 52.243 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Tgt Ion:180 Resp: 474940
Ion Ratio Lower Upper
180 100
182 99.5 49.9 149.6
145 32.1 15.2 45.5

