

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 05:08:52 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	1058053	55.193	ug/l	94

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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

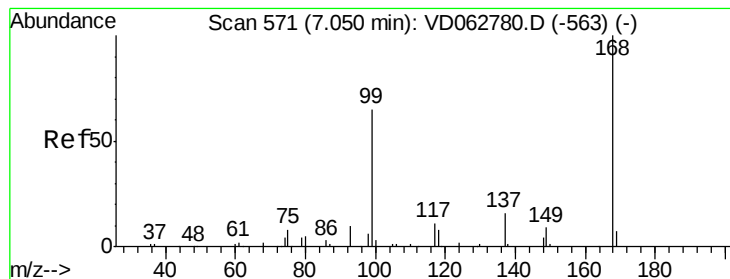
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	623957	52.734	ug/l	98
94) Hexachlorobutadiene	16.04	225	479009	52.992	ug/l	97
95) Naphthalene	16.12	128	901956	54.387	ug/l	99
96) 1,2,3-Trichlorobenzene	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 :

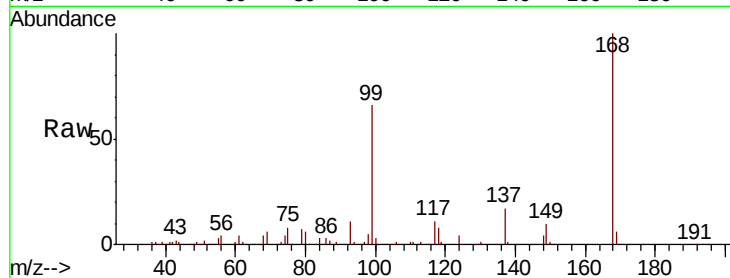
VSTDCCC050

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

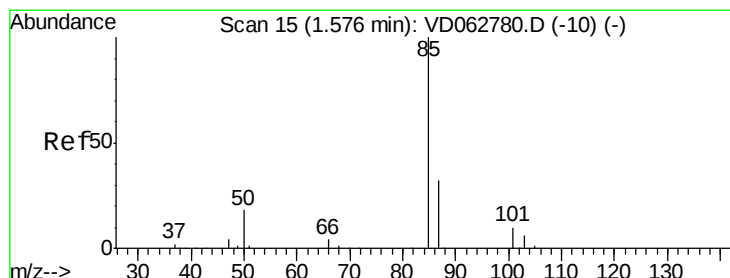
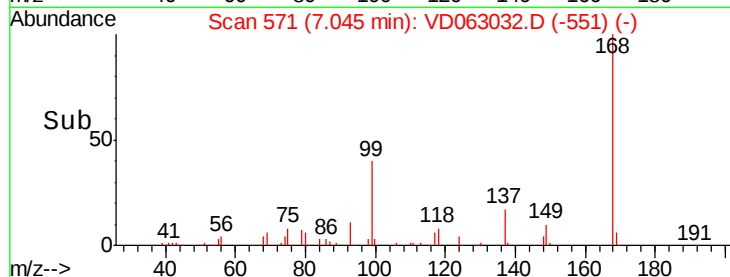
200000

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

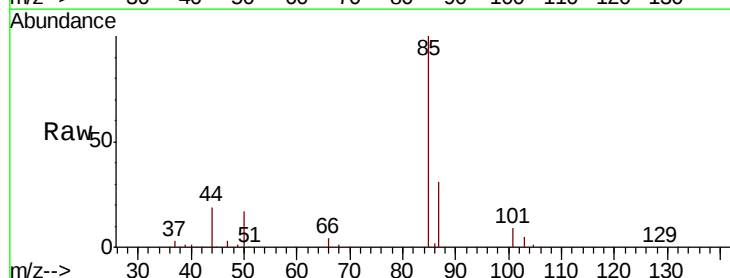
Acq: 8 Jul 2019 13:04

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

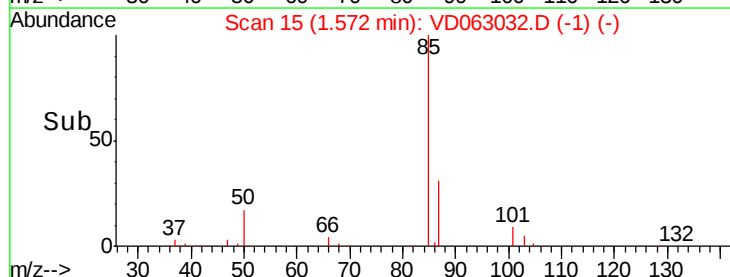
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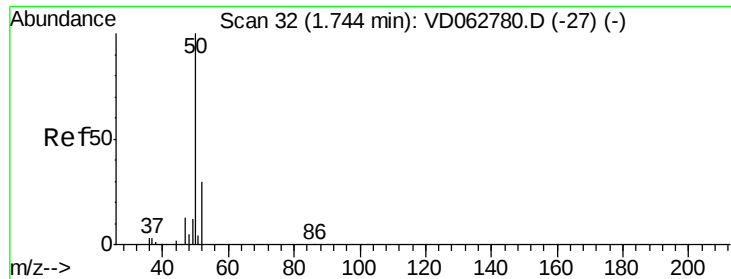
50000

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 :

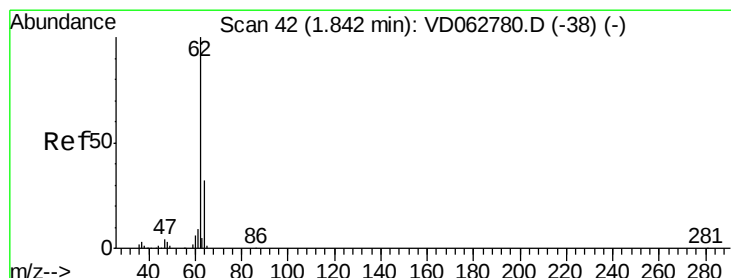
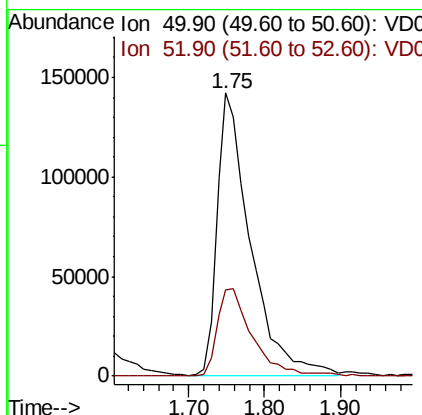
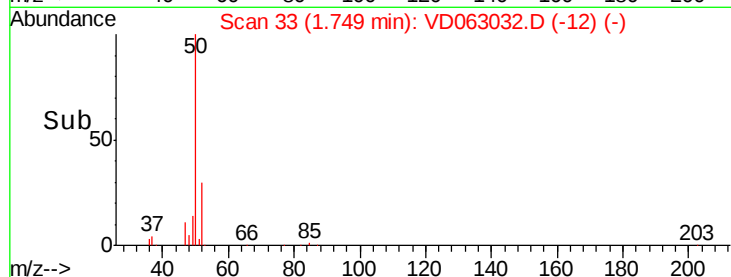
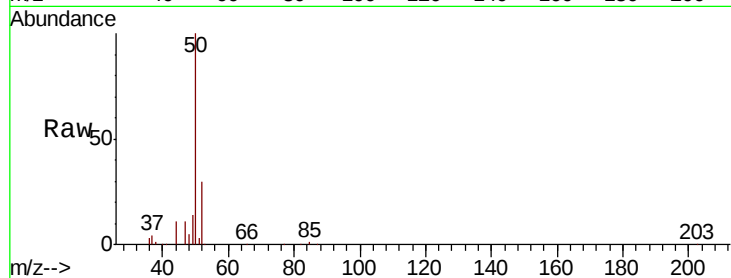
VSTDCCC050

Tot Ion: 50 Resp: 431255

Ion Ratio Lower Upper

50 100

52 30.3 23.6 35.4



#4

Vinyl Chloride

Concen: 48.116 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063032.D

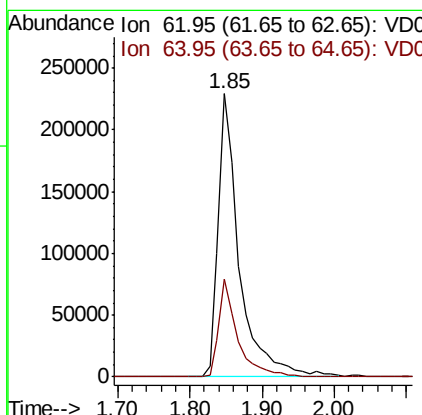
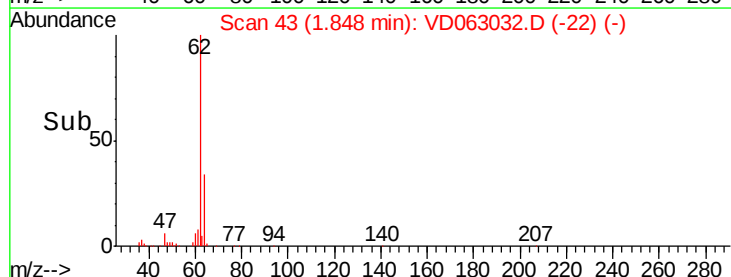
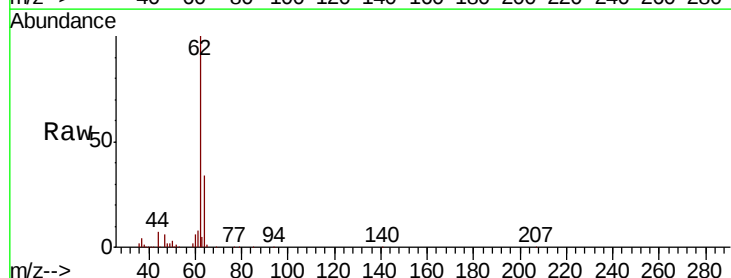
Acq: 8 Jul 2019 13:04

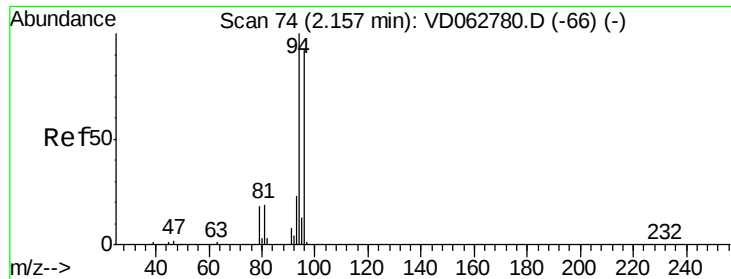
Tgt Ion: 62 Resp: 459041

Ion Ratio Lower Upper

62 100

64 34.5 25.6 38.4





#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

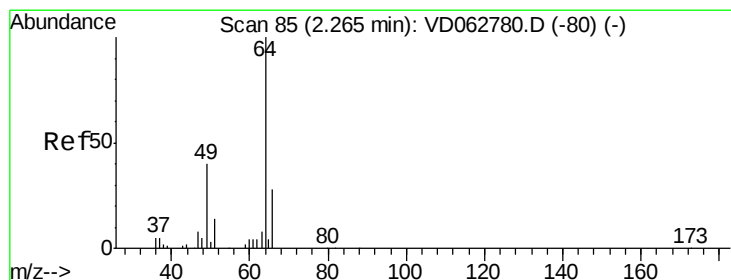
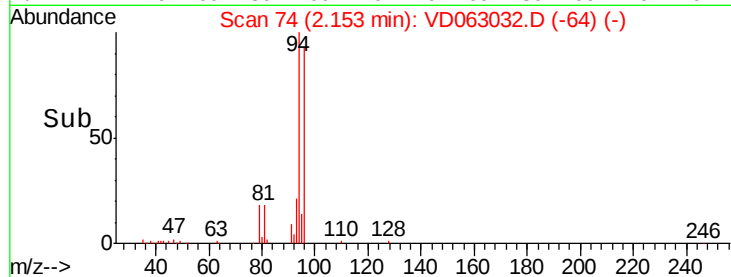
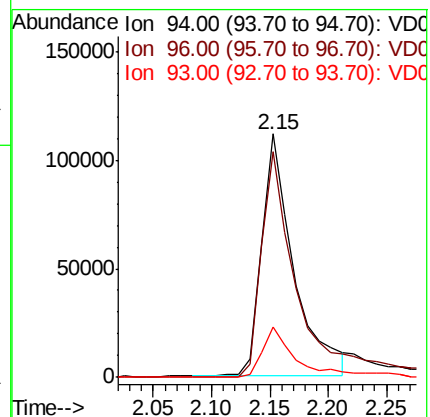
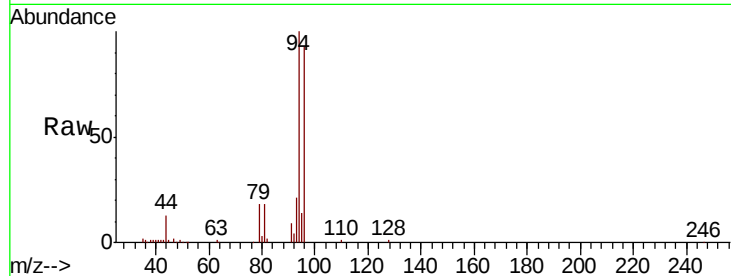
Tot Ion: 94 Resp: 213431

Ion Ratio Lower Upper

94 100

96 92.8 73.4 110.2

93 20.7 18.2 27.4



#6

Chloroethane

Concen: 52.524 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063032.D

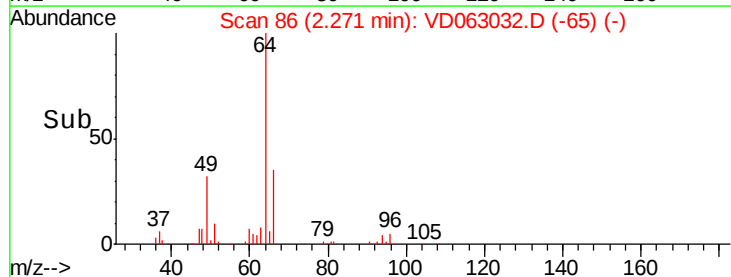
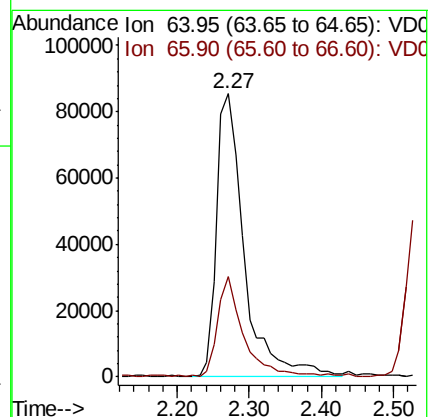
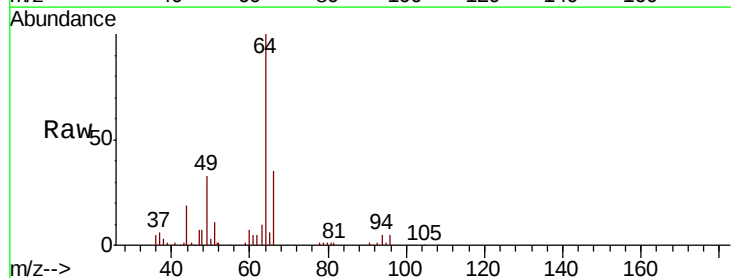
Acq: 8 Jul 2019 13:04

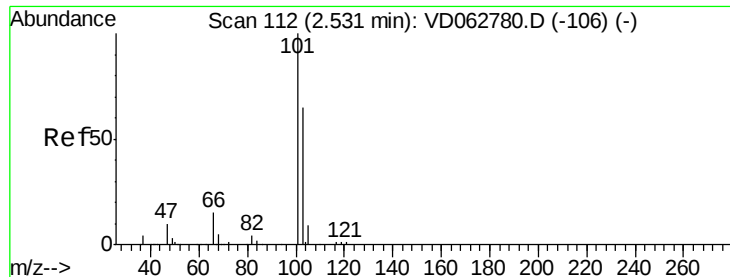
Tgt Ion: 64 Resp: 226863

Ion Ratio Lower Upper

64 100

66 35.3 23.0 34.4#



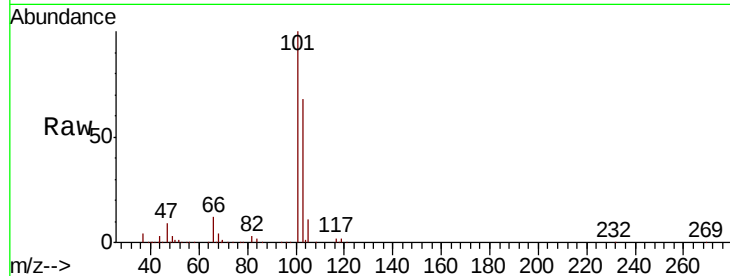


#7

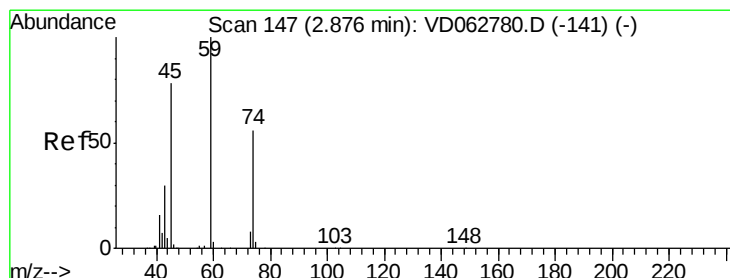
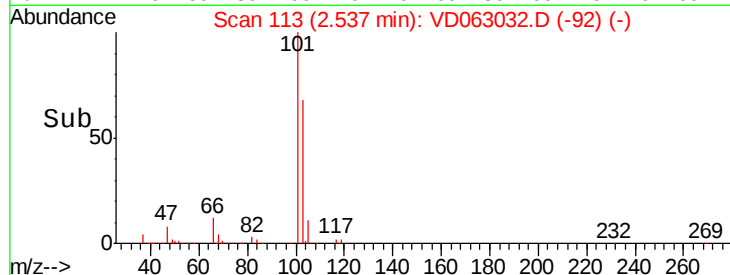
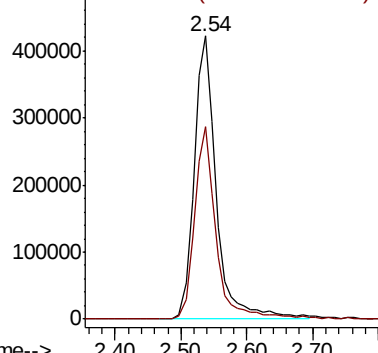
Trichlorofluoromethane
Concen: 51.081 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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



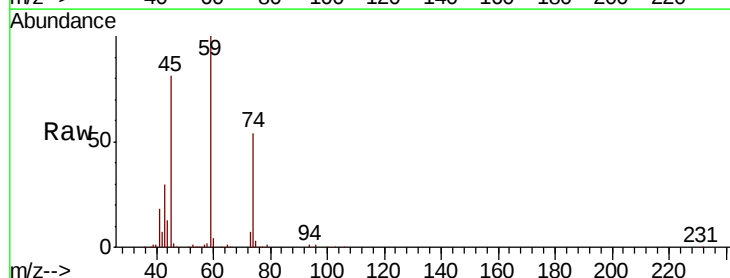
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



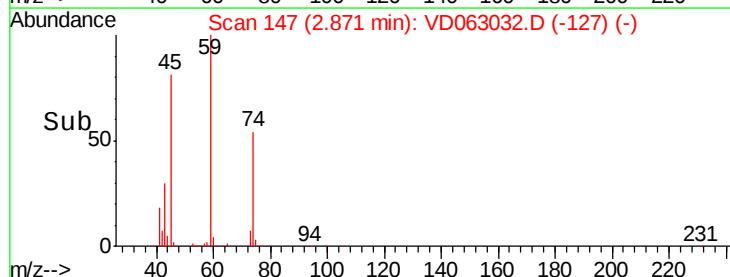
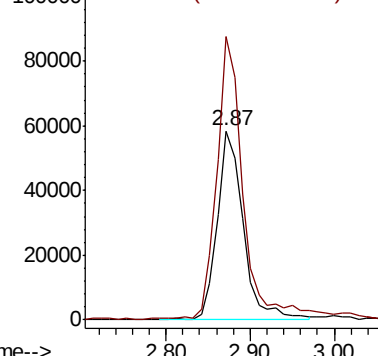
#8

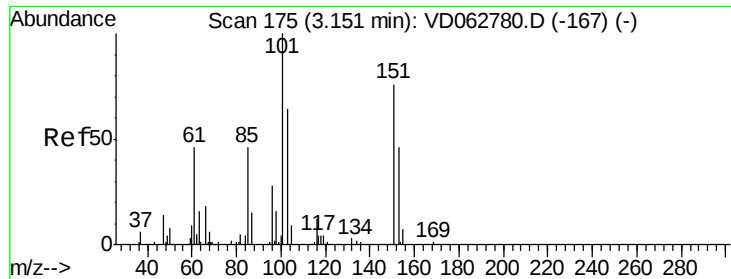
Diethyl Ether
Concen: 51.861 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

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



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.828 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

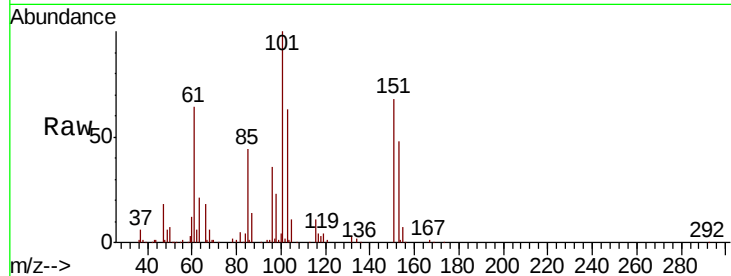
Tot Ion:101 Resp: 573499

Ion Ratio Lower Upper

101 100

85 43.8 37.0 55.4

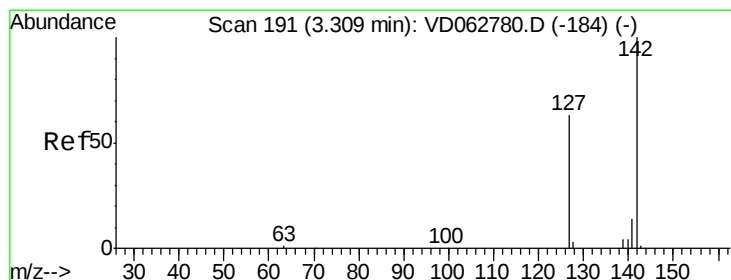
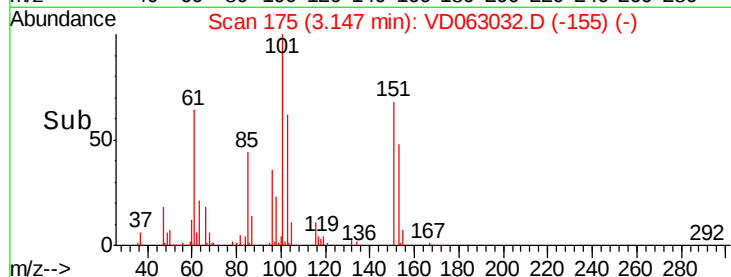
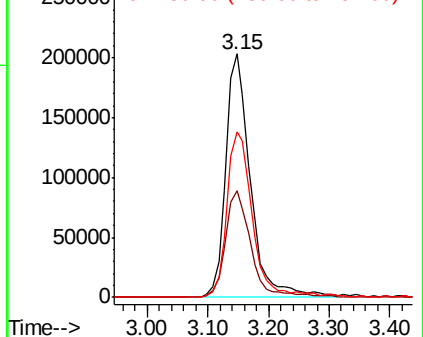
151 68.2 60.5 90.7



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

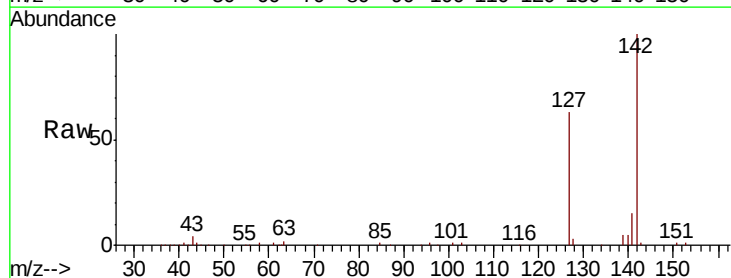
Tgt Ion:142 Resp: 729644

Ion Ratio Lower Upper

142 100

127 63.3 50.1 75.1

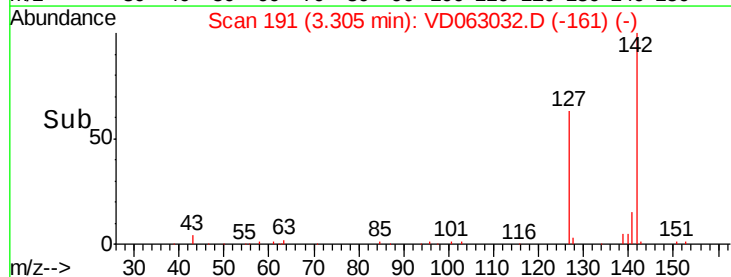
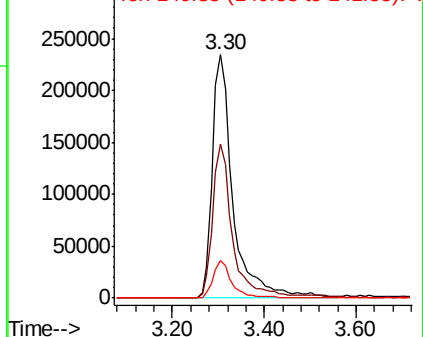
141 15.3 11.0 16.4

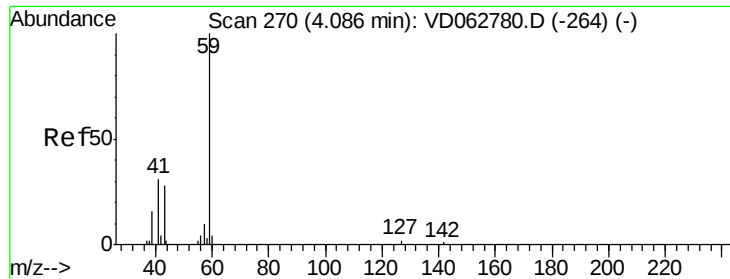


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

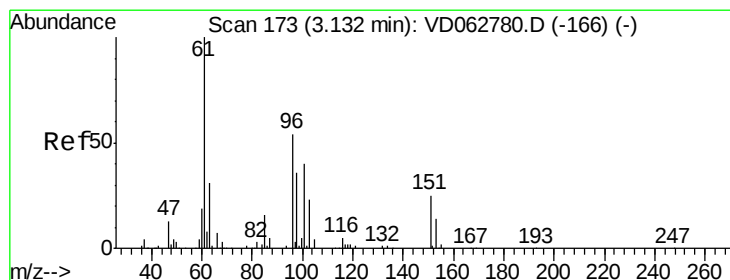
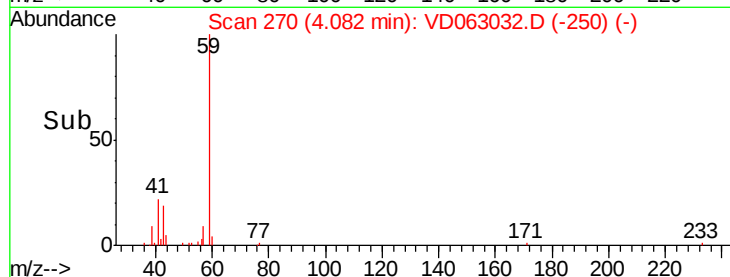
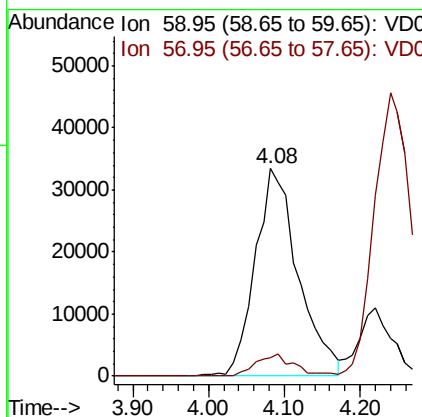
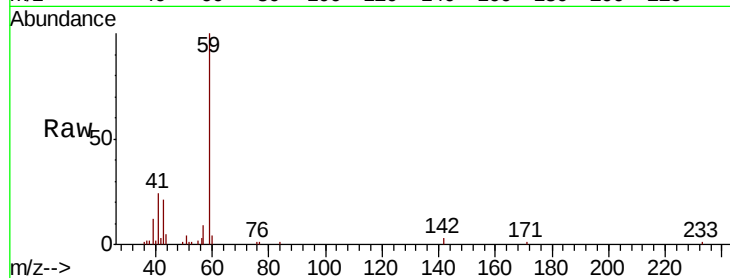




#11
Tert butyl alcohol
Concen: 270.609 ug/l
RT: 4.08 min Scan# 270
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

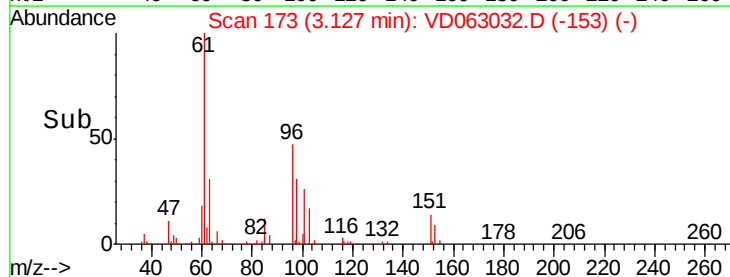
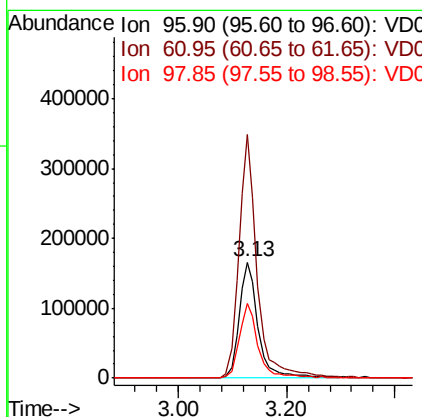
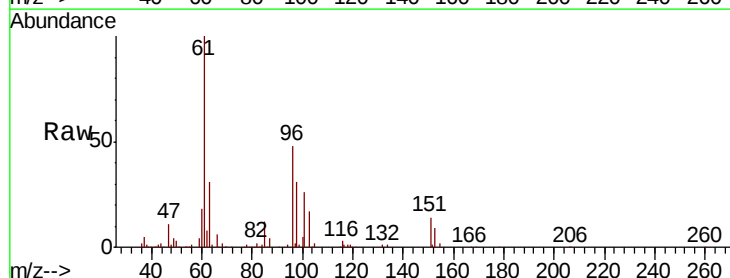
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

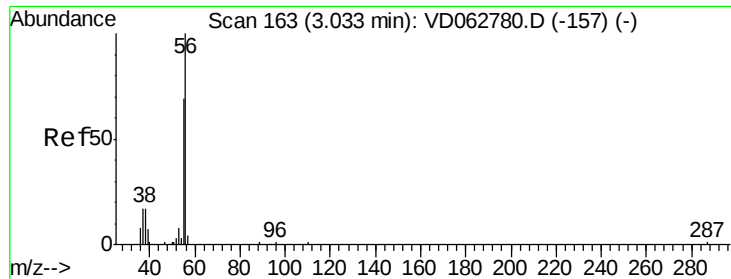
Tot Ion: 59 Resp: 132456
Ion Ratio Lower Upper
59 100
57 9.1 6.6 10.0



#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 :

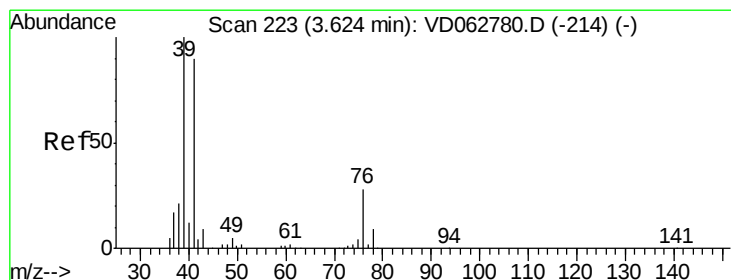
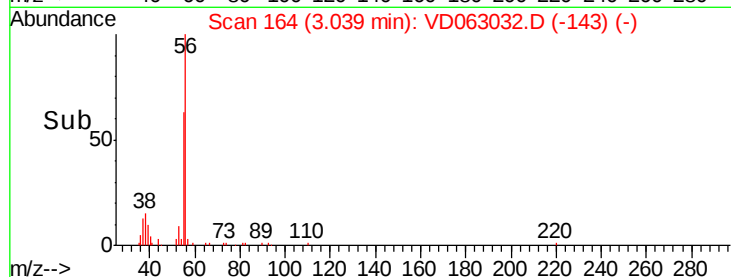
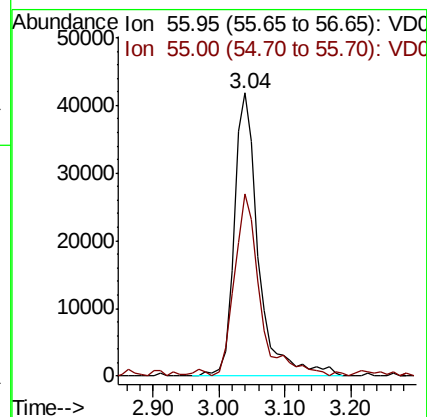
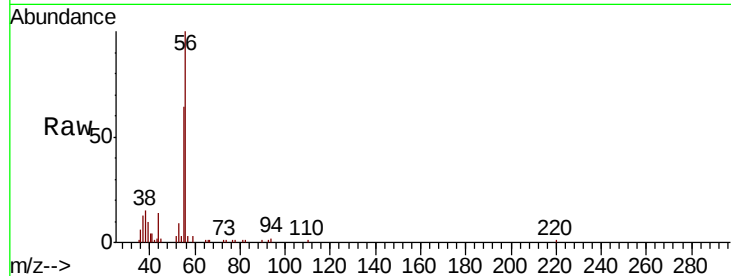
VSTDCCC050

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

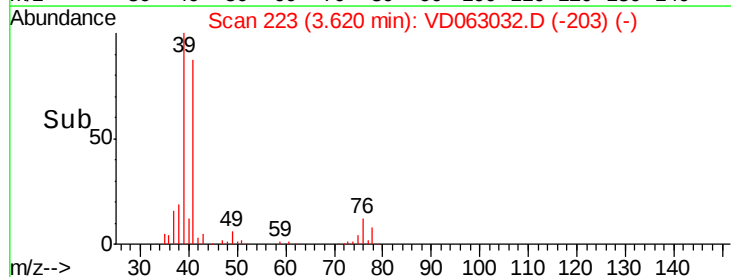
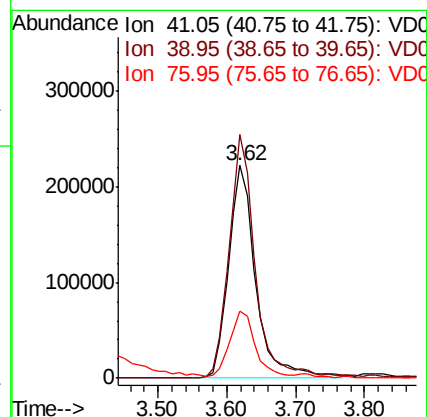
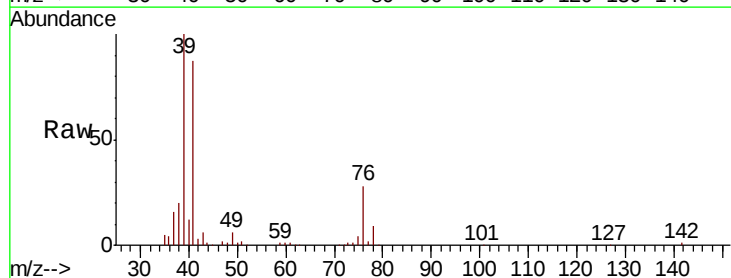
Tgt Ion: 41 Resp: 608752

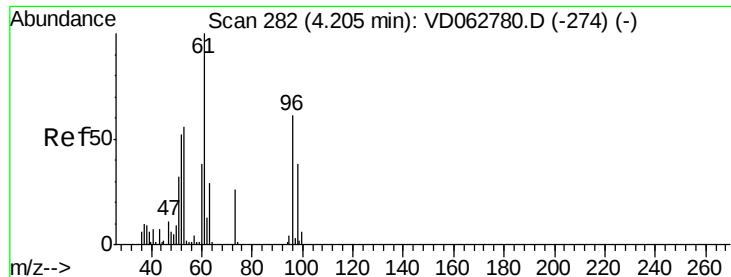
Ion Ratio Lower Upper

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

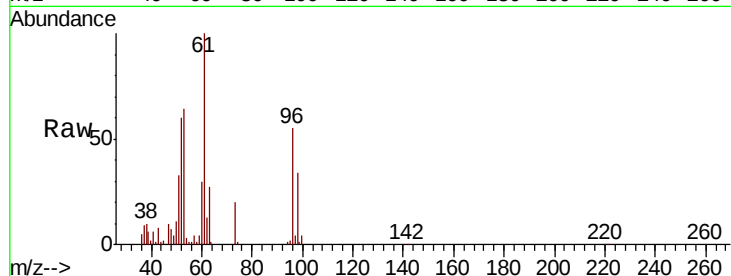
Tot Ion: 53 Resp: 307862

Ion Ratio Lower Upper

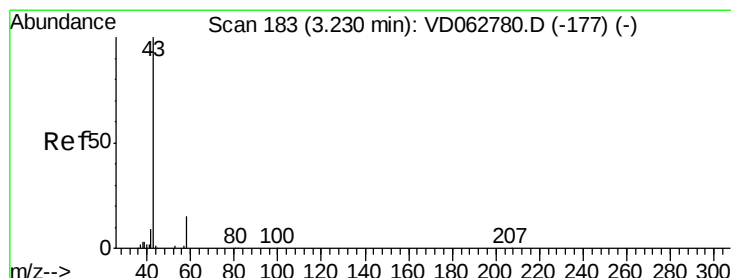
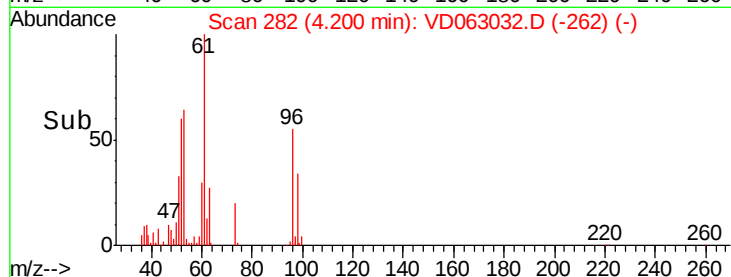
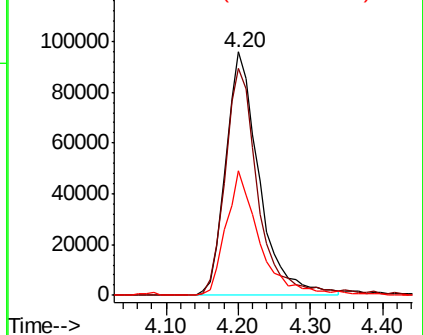
53 100

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

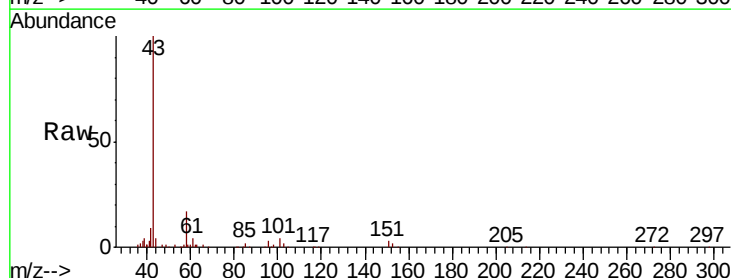
Acq: 8 Jul 2019 13:04

Tgt Ion: 43 Resp: 591497

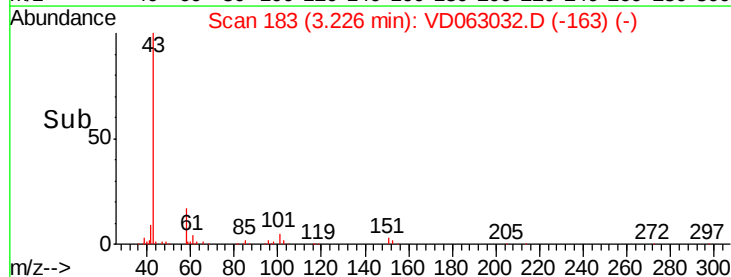
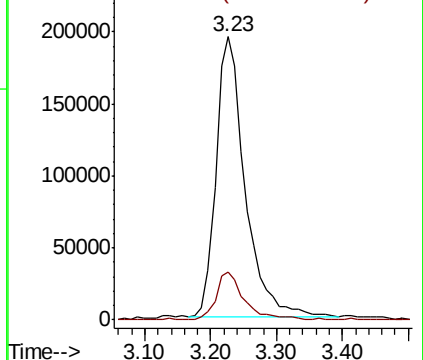
Ion Ratio Lower Upper

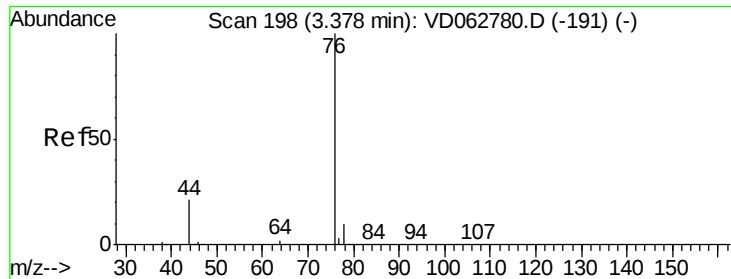
43 100

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

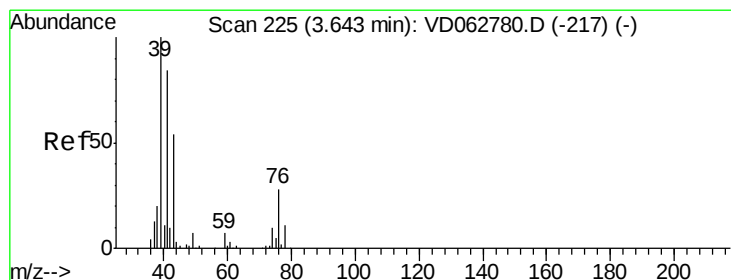
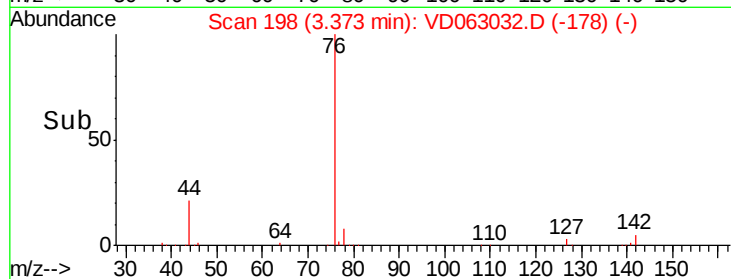
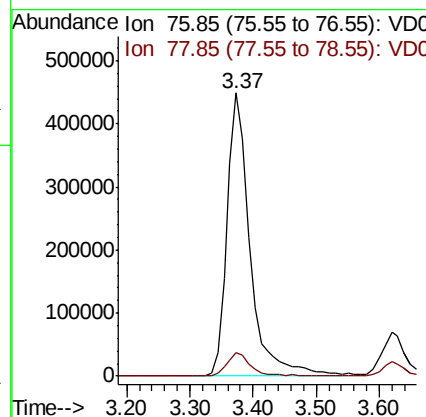
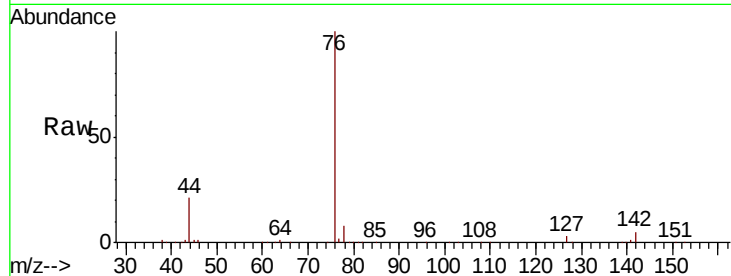




#17
Carbon Disulfide
Concen: 45.574 ug/l
RT: 3.37 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

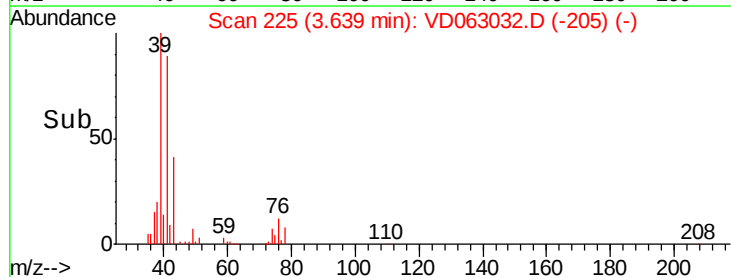
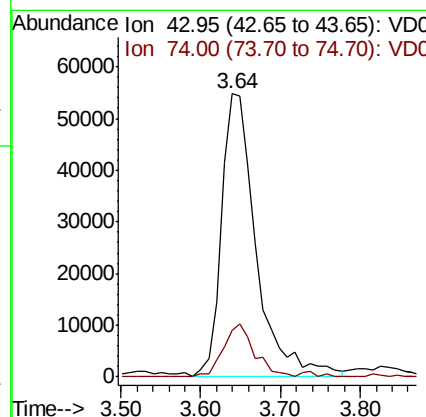
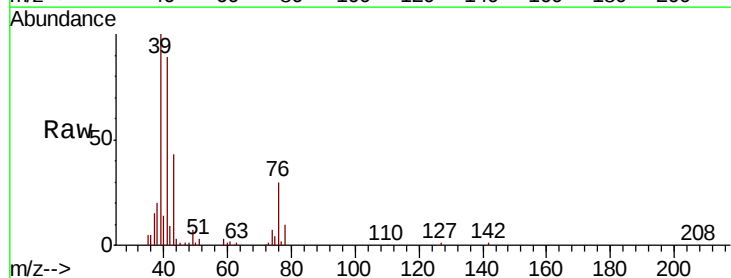
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

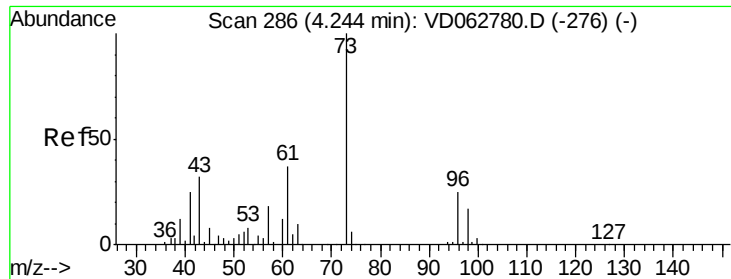
Tot Ion: 76 Resp: 1142893
Ion Ratio Lower Upper
76 100
78 8.2 8.0 12.0



#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

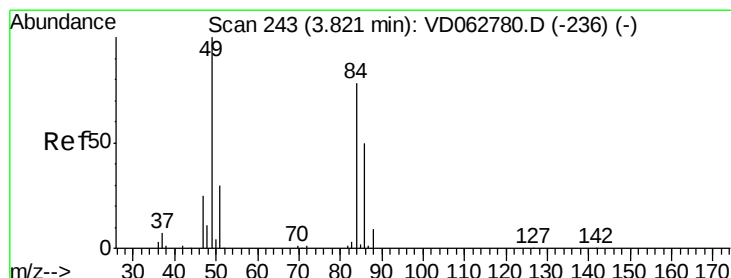
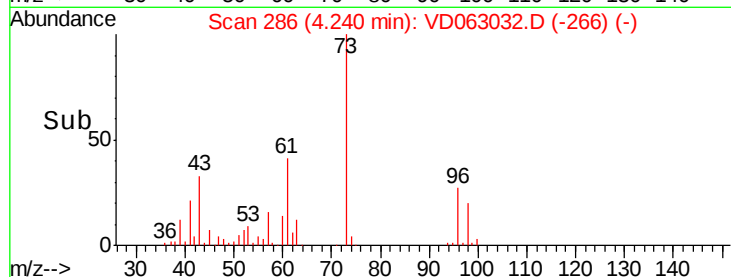
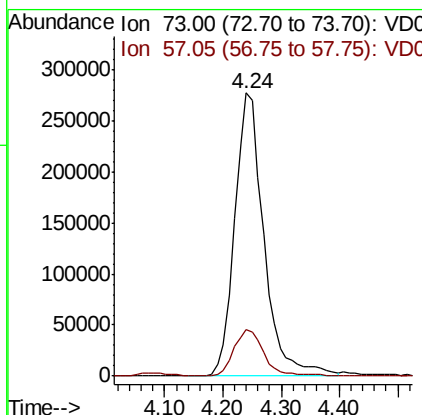
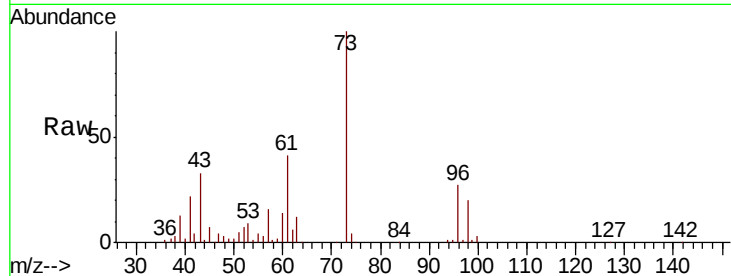




#19
Methyl tert-butyl Ether
Concen: 56.918 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

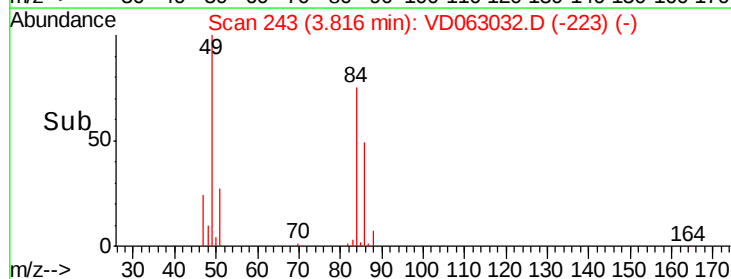
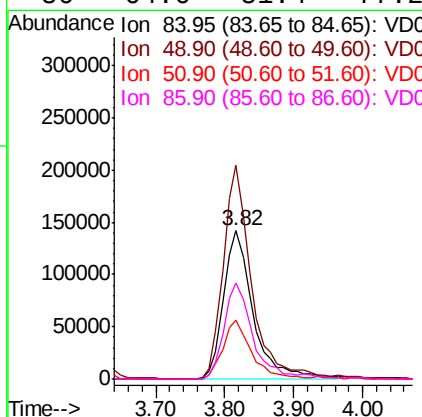
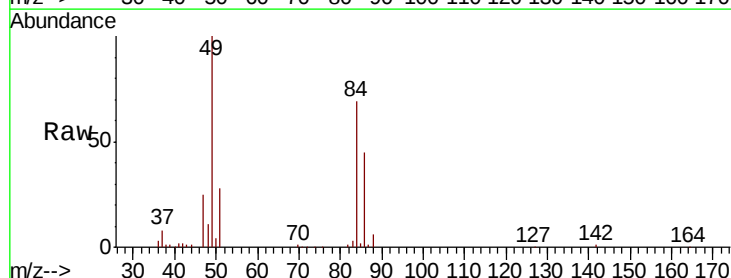
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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



#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





#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

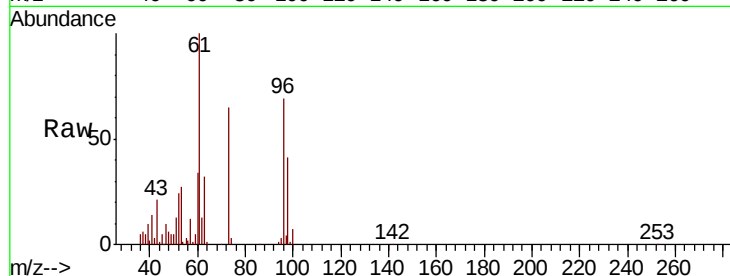
Tot Ion: 96 Resp: 444981

Ion Ratio Lower Upper

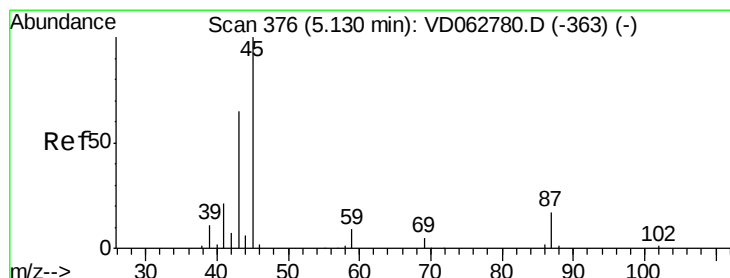
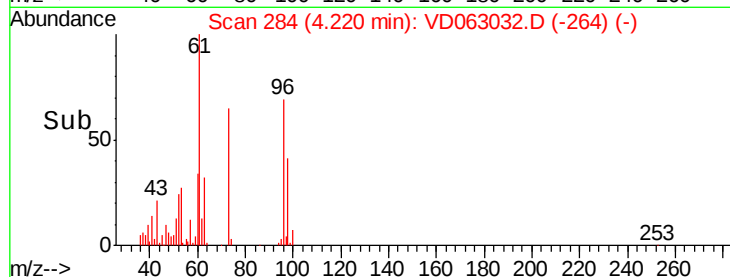
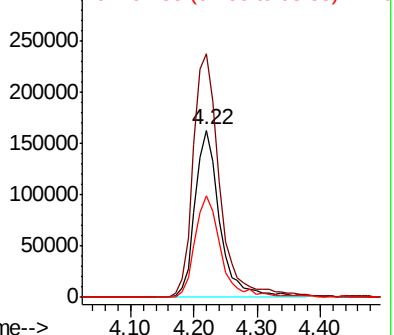
96 100

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

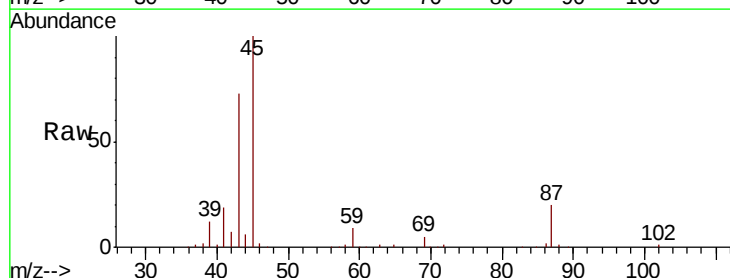
Ion Ratio Lower Upper

45 100

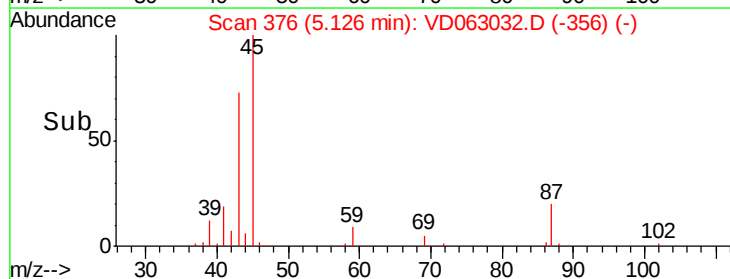
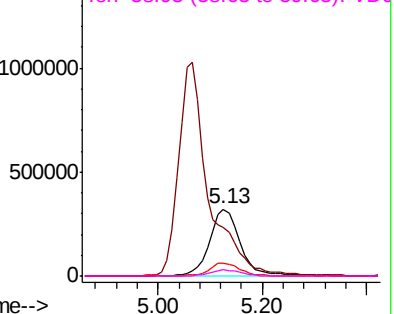
43 72.5 53.4 80.0

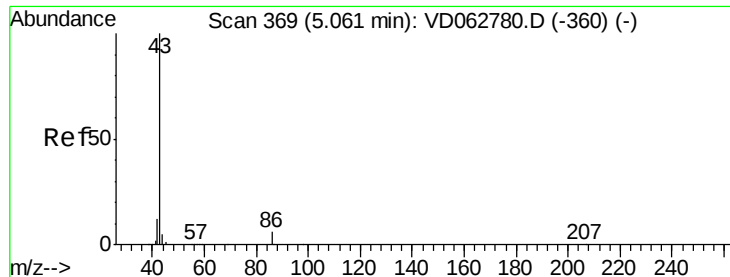
87 20.1 14.6 22.0

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 :

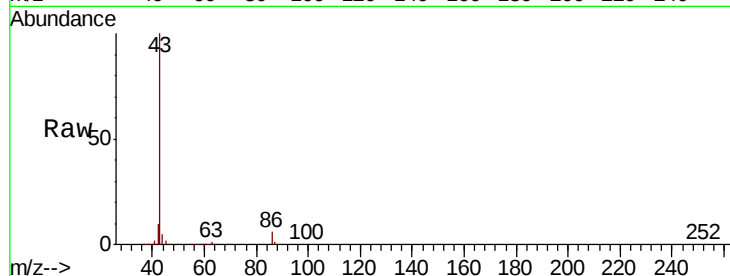
VSTDCCC050

Tot Ion: 43 Resp: 4038334

Ion Ratio Lower Upper

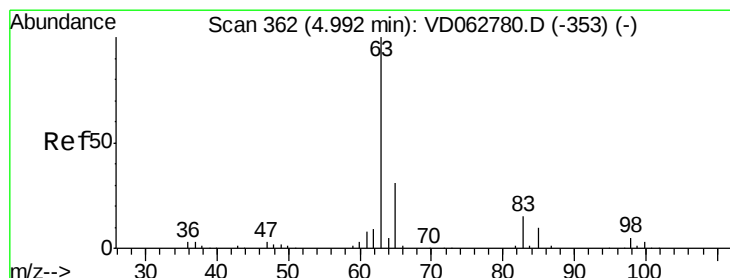
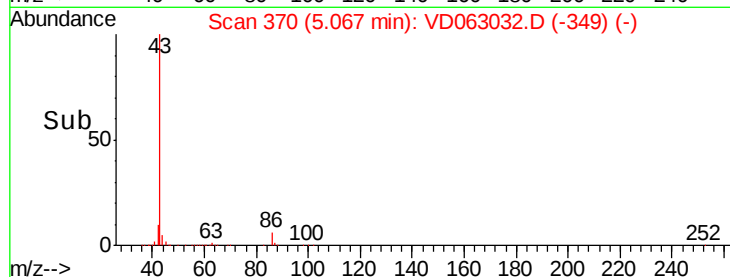
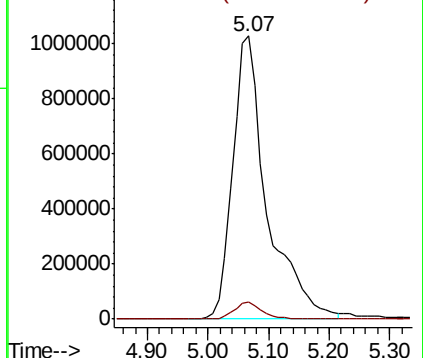
43 100

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

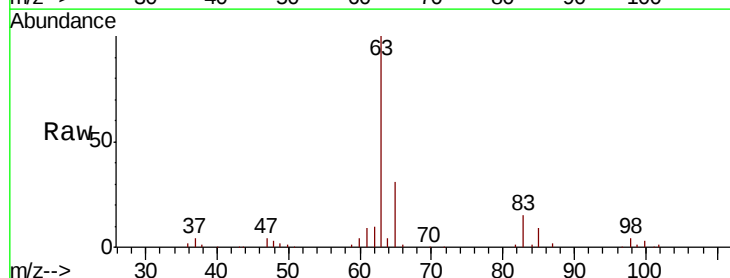
Tgt Ion: 63 Resp: 790686

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

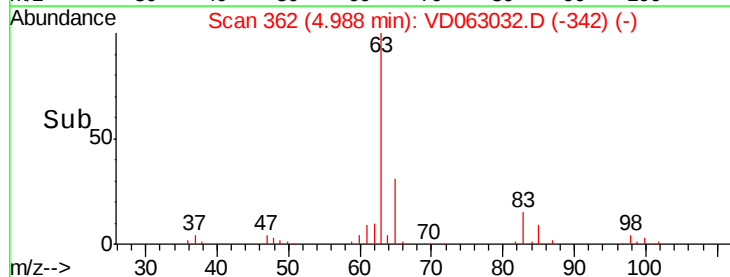
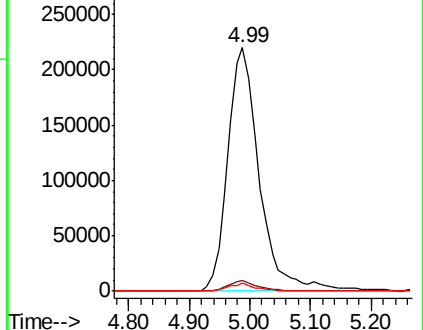
100 3.1 1.7 5.1

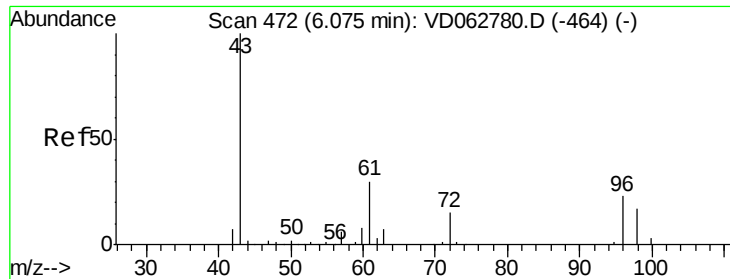


Abundance Ion 62.95 (62.65 to 63.65): VDC

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 :

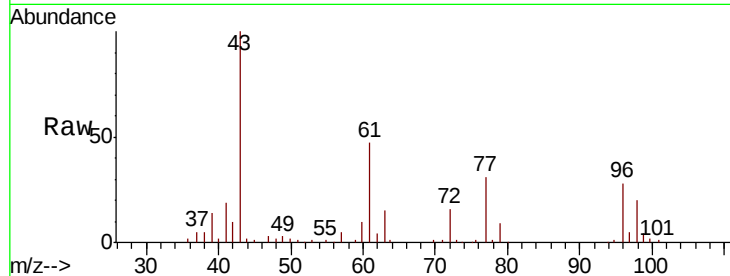
VSTDCCC050

Tot Ion: 43 Resp: 550874

Ion Ratio Lower Upper

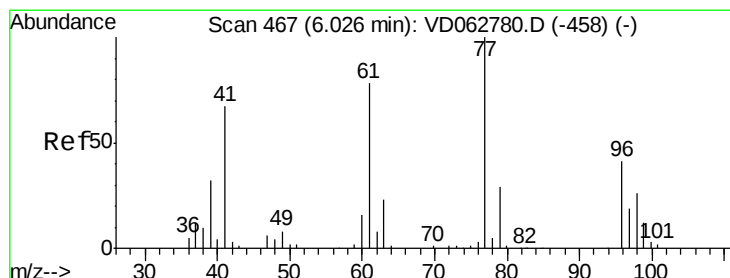
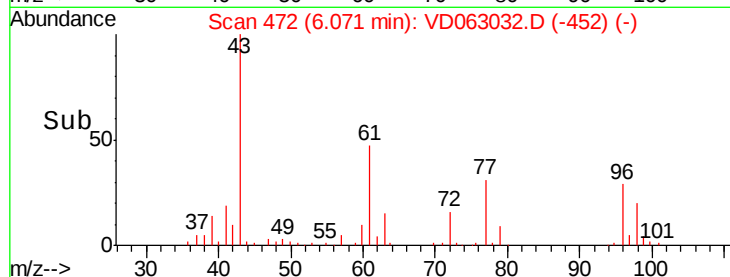
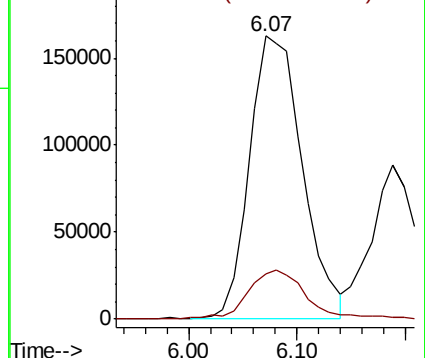
43 100

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

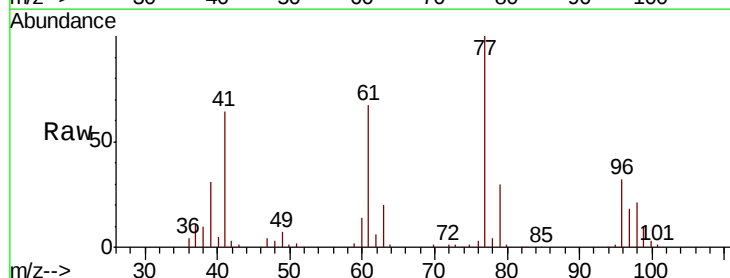
Acq: 8 Jul 2019 13:04

Tgt Ion: 77 Resp: 914050

Ion Ratio Lower Upper

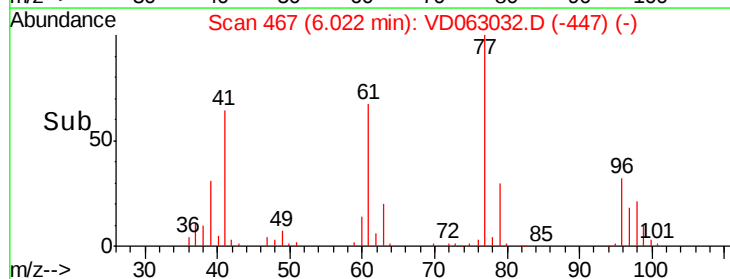
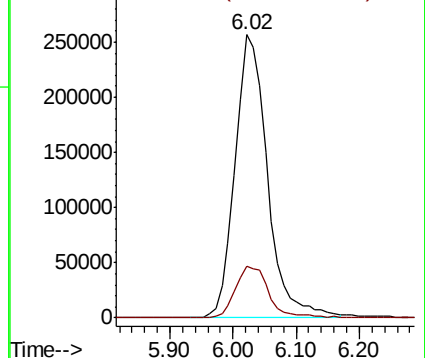
77 100

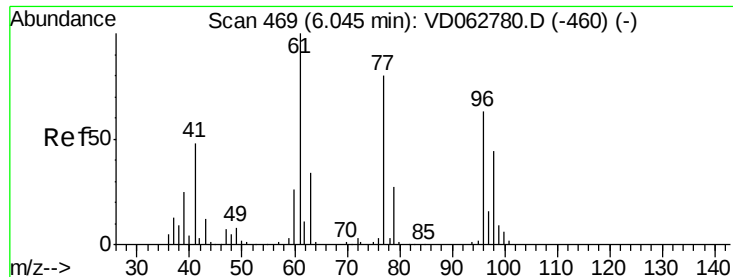
97 18.1 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



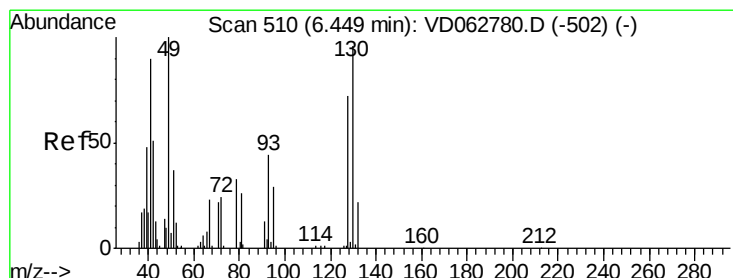
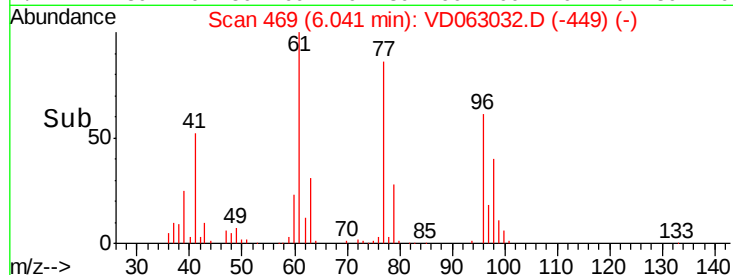
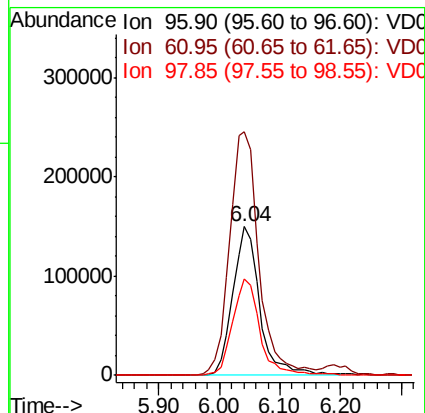
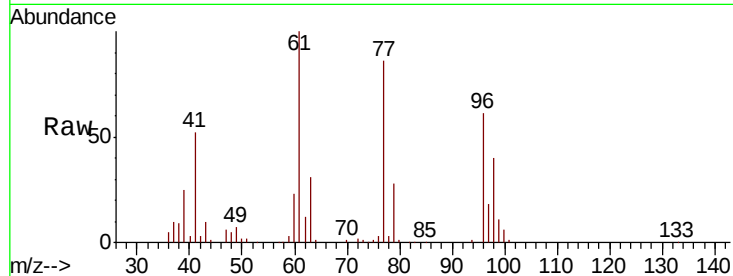


#27

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

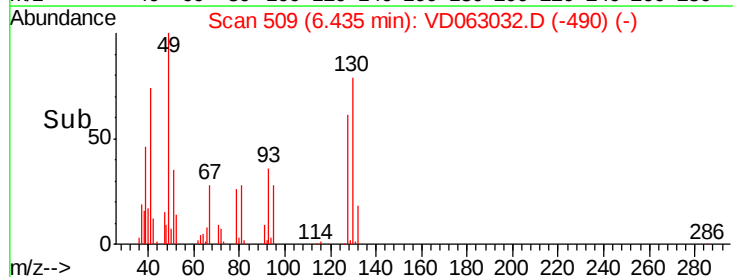
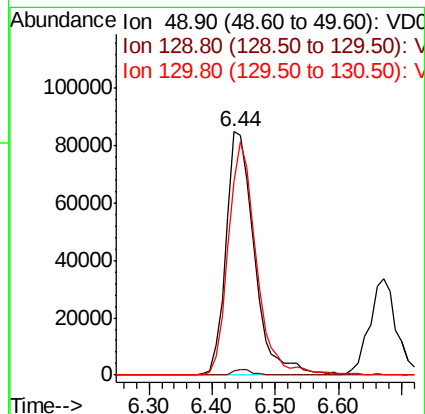
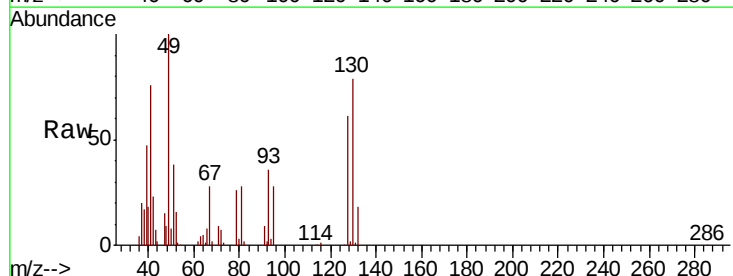
Tot Ion: 96 Resp: 463642
 Ion Ratio Lower Upper
 96 100
 61 163.6 0.0 316.0
 98 64.6 0.0 138.4

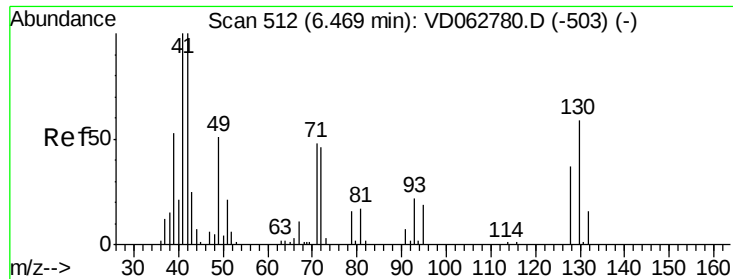


#28

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

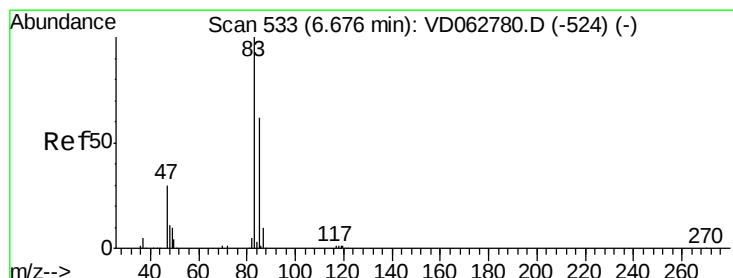
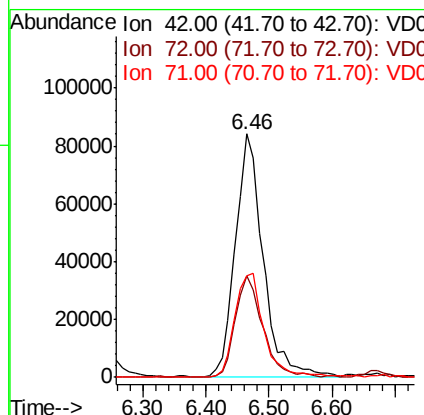
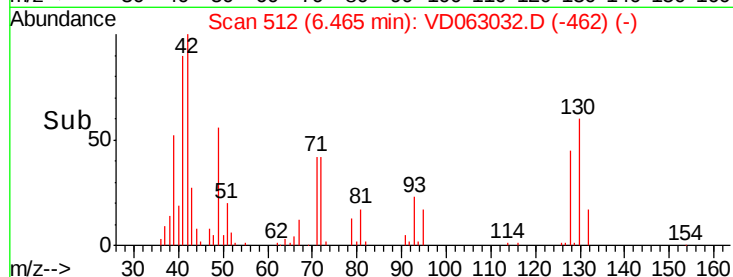
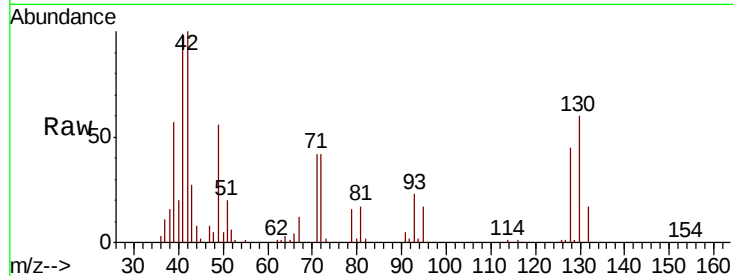




#29
Tetrahydrofuran
Concen: 270.108 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

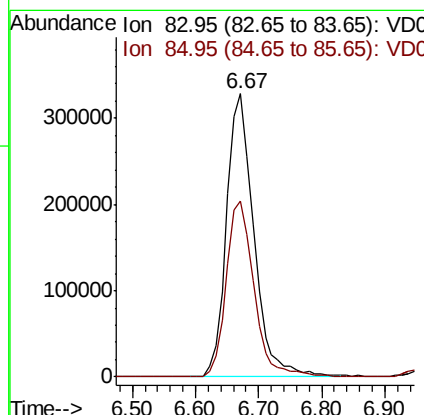
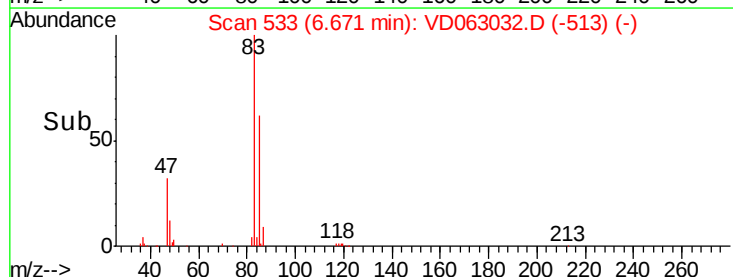
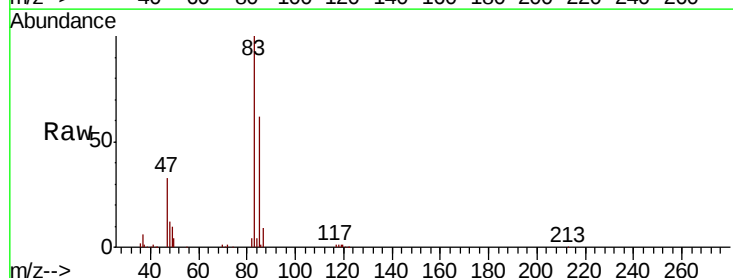
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

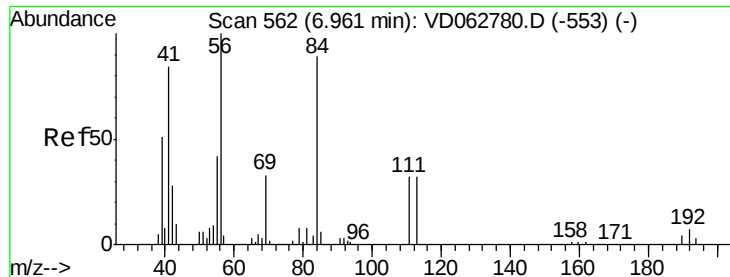
Tot Ion: 42 Resp: 256880
Ion Ratio Lower Upper
42 100
72 41.2 35.0 52.6
71 44.1 33.3 49.9



#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

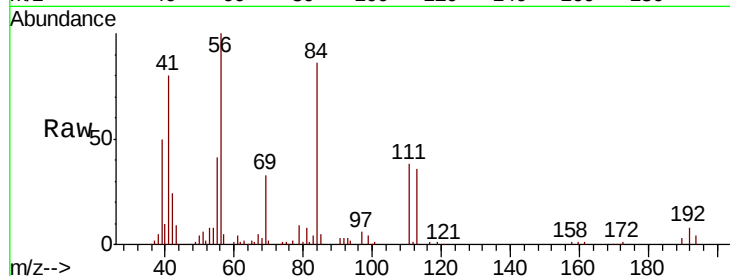




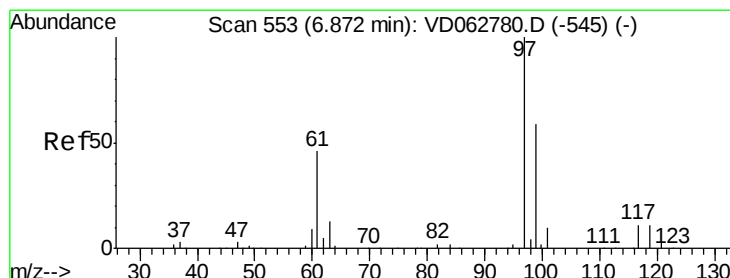
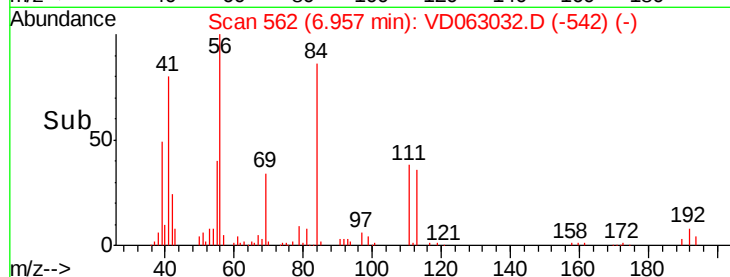
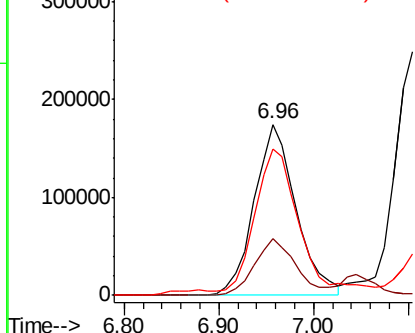
#31
Cyclohexane
Concen: 53.060 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

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

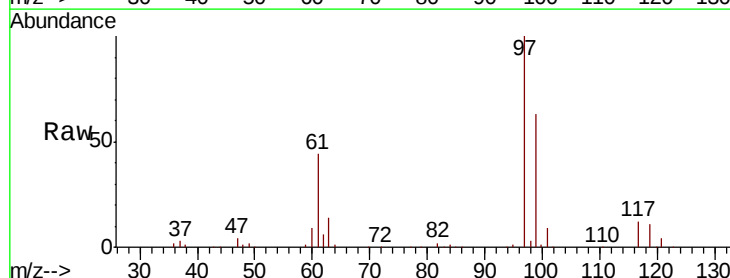


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

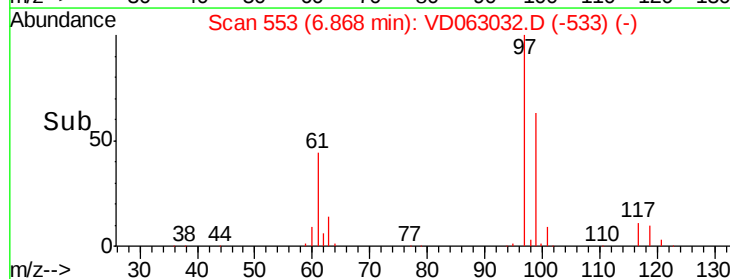
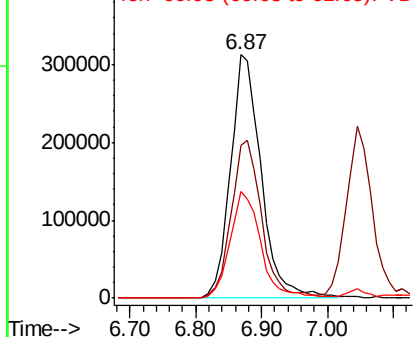


#32
1,1,1-Trichloroethane
Concen: 52.501 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

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

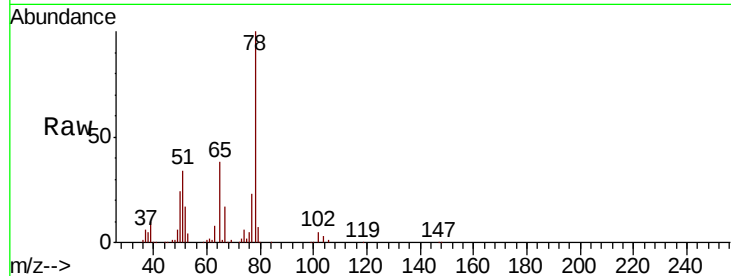




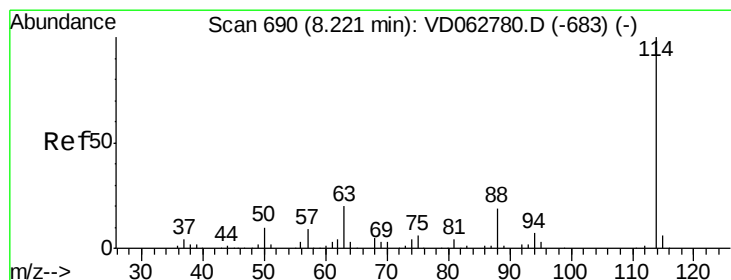
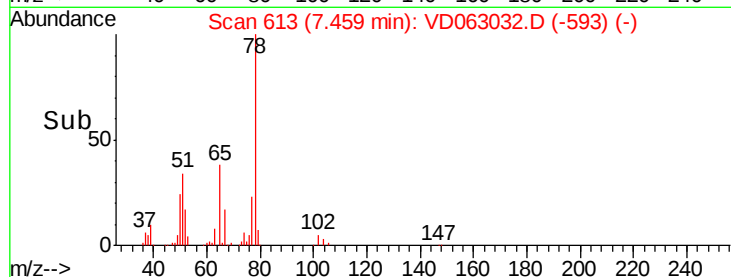
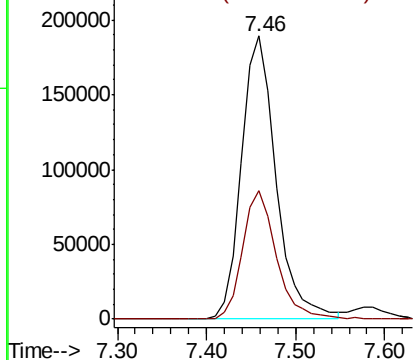
#33
 1,2-Dichloroethane-d4
 Concen: 47.563 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 511169
 Ion Ratio Lower Upper
 65 100
 67 45.2 0.0 87.4

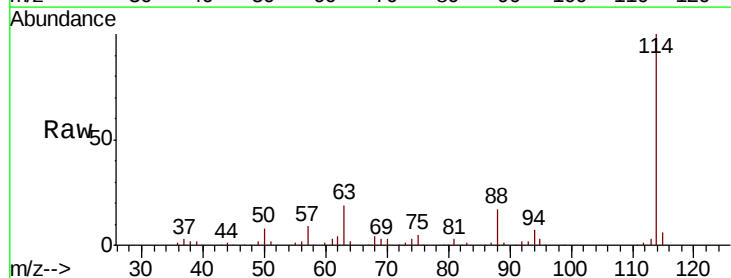


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

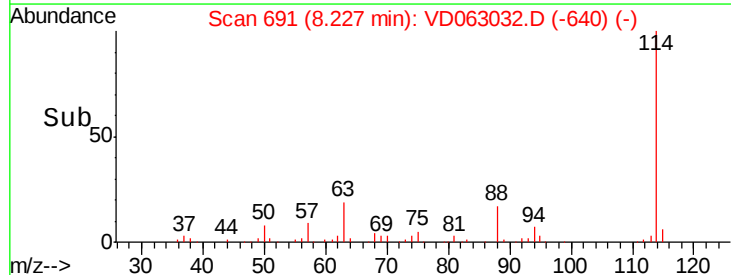
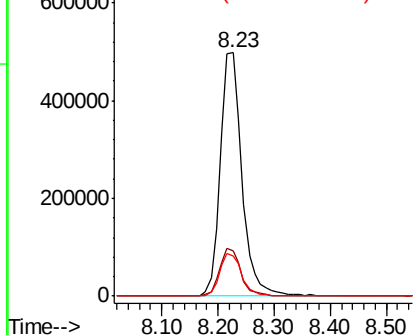


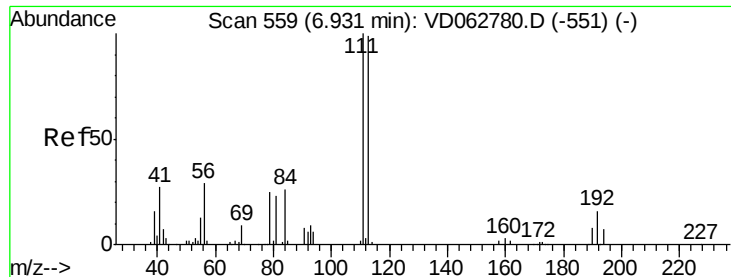
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

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

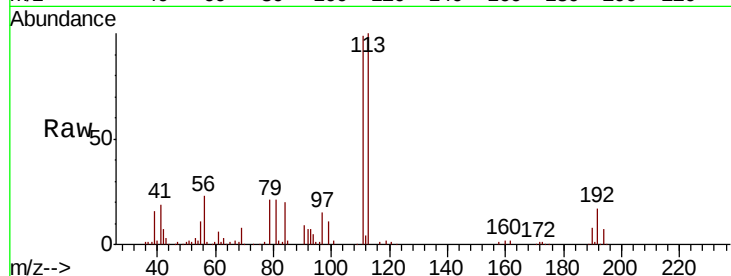




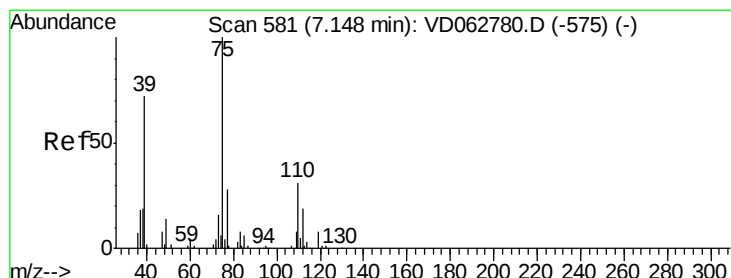
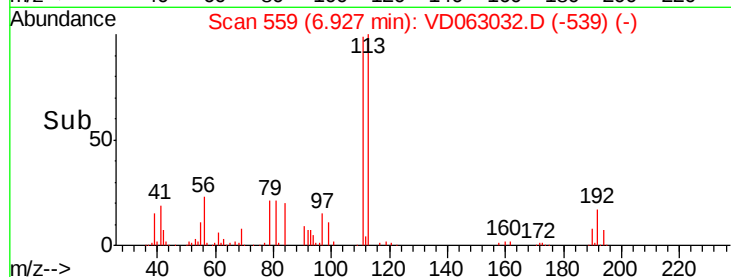
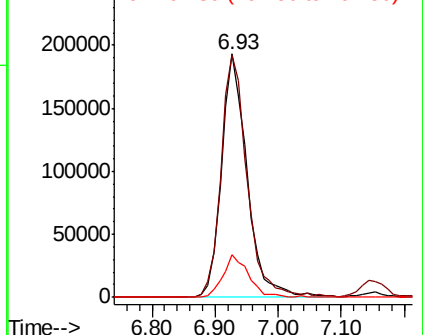
#35
 Dibromofluoromethane
 Concen: 47.816 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

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

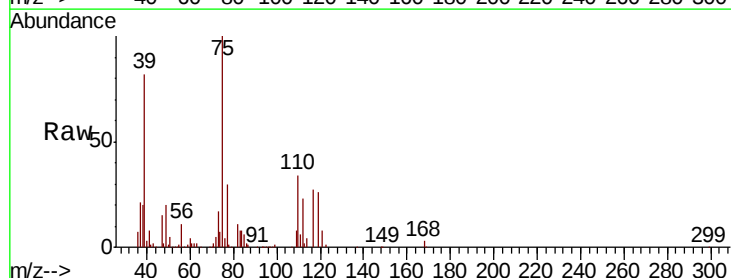


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

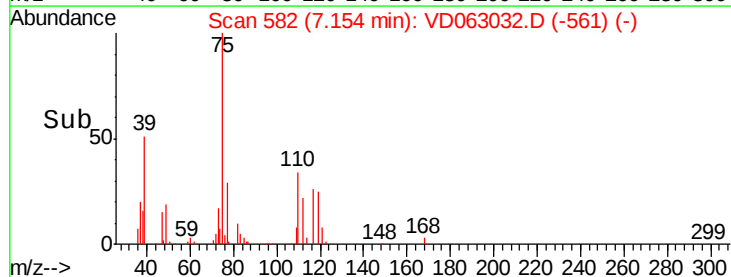
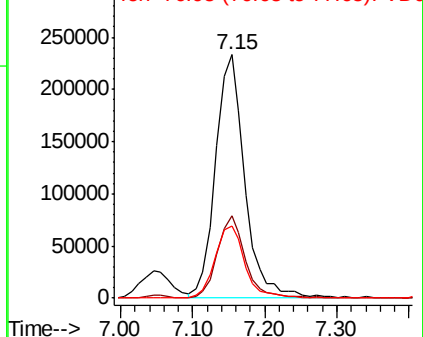


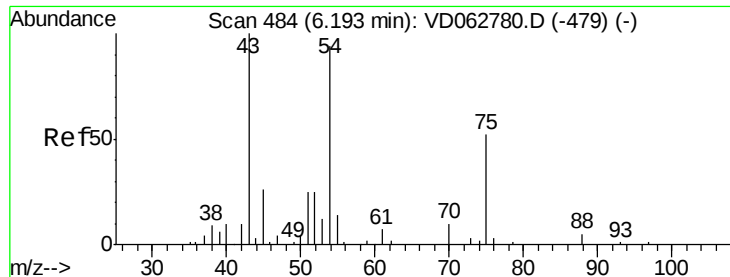
#36
 1,1-Dichloropropene
 Concen: 50.624 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

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): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V





#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

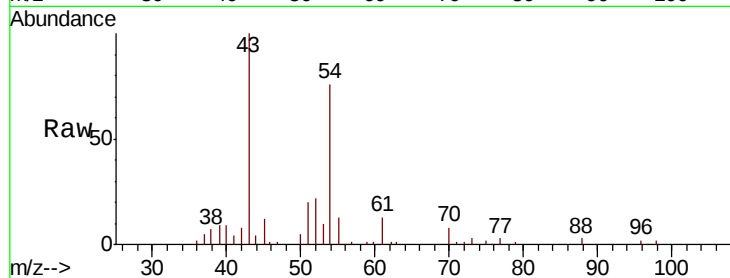
Tot Ion: 43 Resp: 271589

Ion Ratio Lower Upper

43 100

61 12.8 11.6 17.4

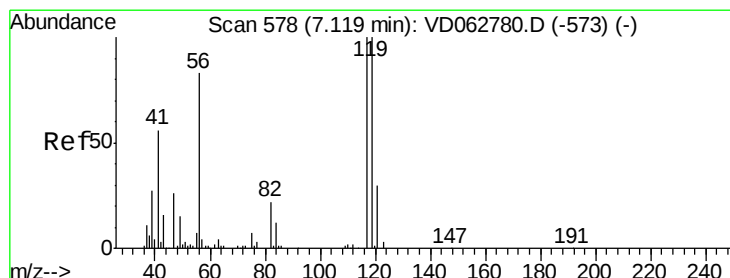
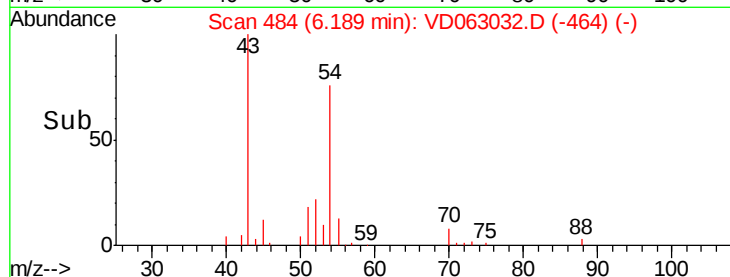
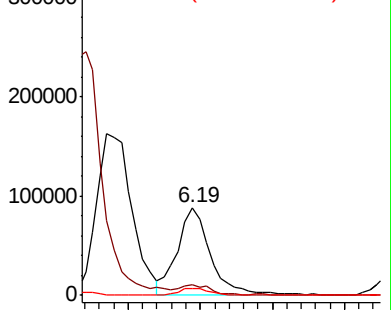
70 8.4 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 55.193 ug/l

RT: 7.11 min Scan# 578

Delta R.T. -0.00 min

Lab File: VD063032.D

Acq: 8 Jul 2019 13:04

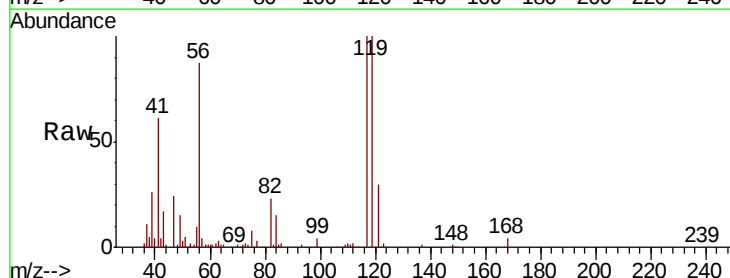
Tgt Ion: 117 Resp: 1058053

Ion Ratio Lower Upper

117 100

119 100.2 75.4 113.2

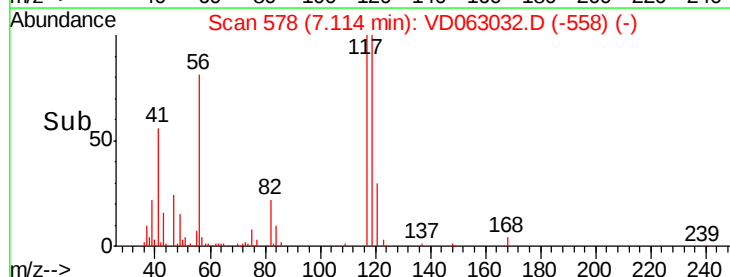
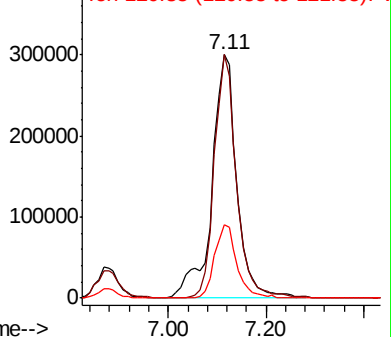
121 30.2 22.3 33.5

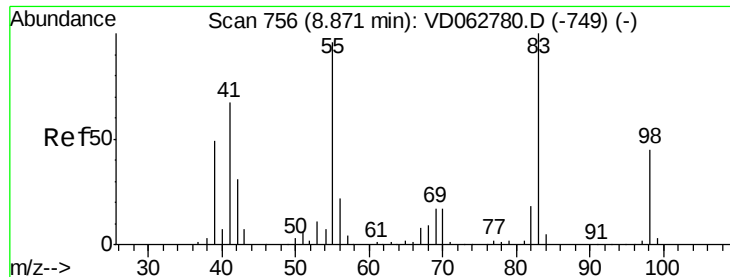


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

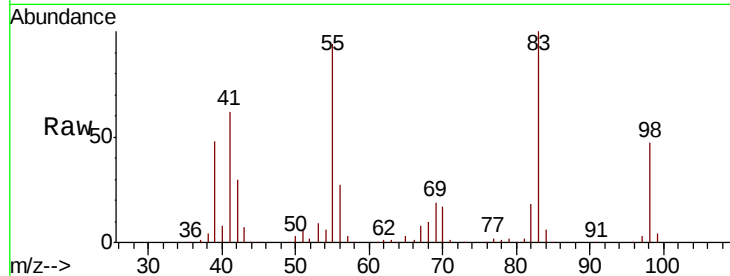




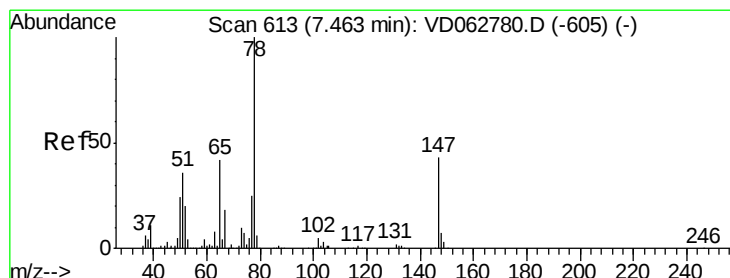
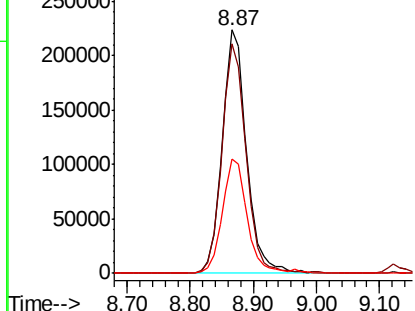
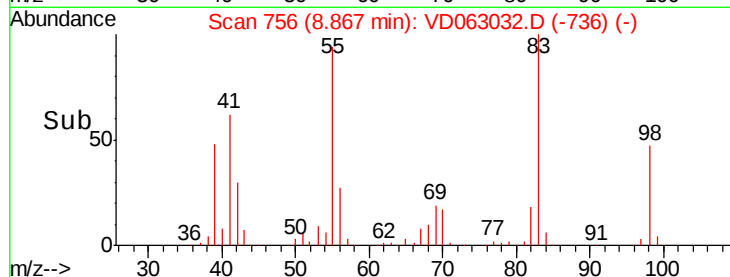
#39
Methvlcvclohexane
Concen: 53.293 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

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

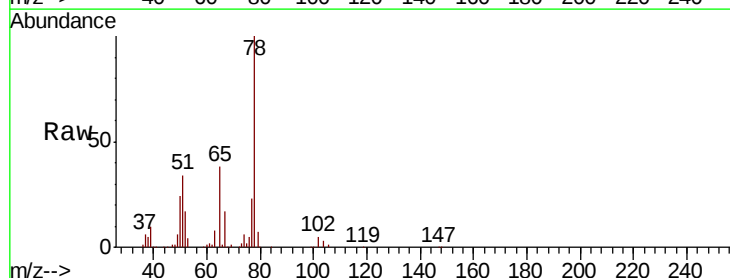


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

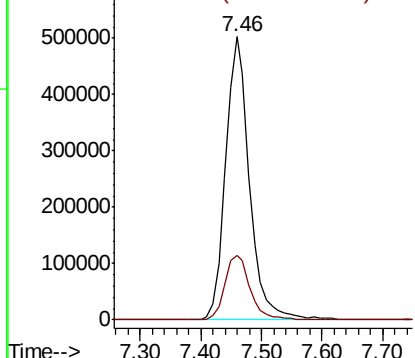
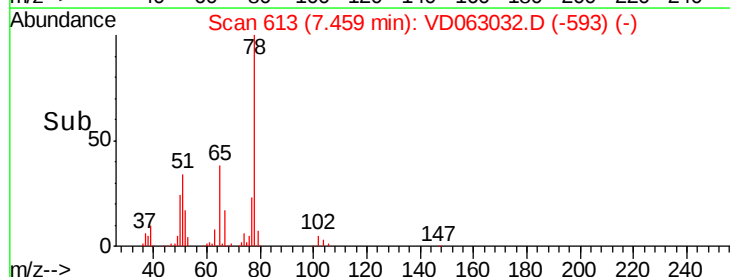


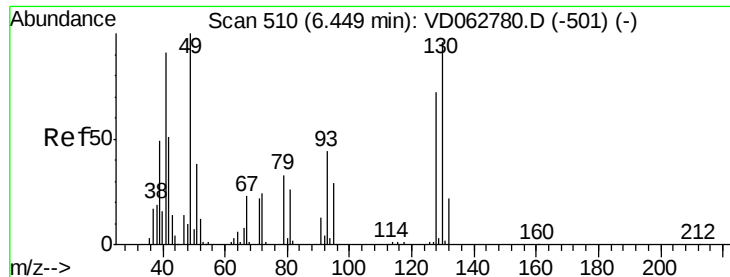
#40
Benzene
Concen: 53.609 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

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

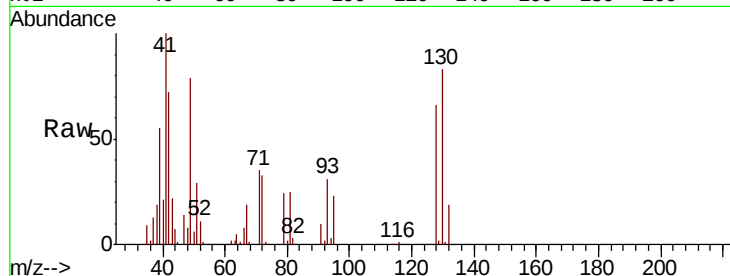
Ion Ratio Lower Upper

41 100

39 55.2 43.2 64.8

67 18.9 19.9 29.9#

52 11.5 10.2 15.4

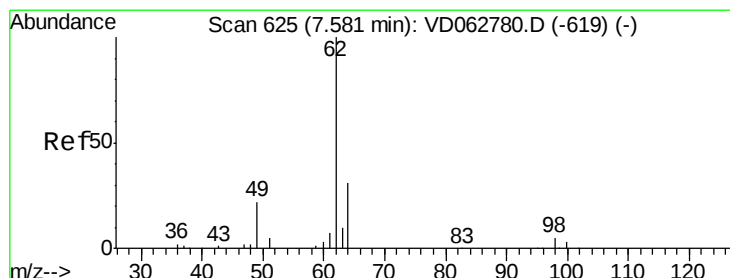
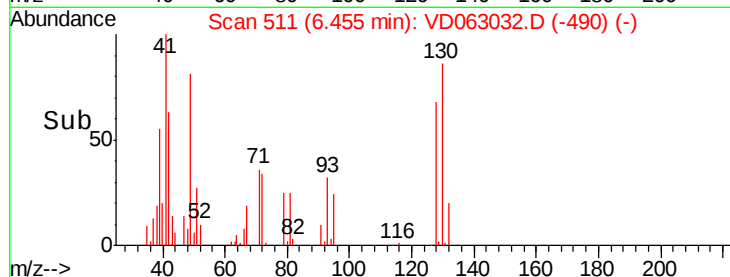
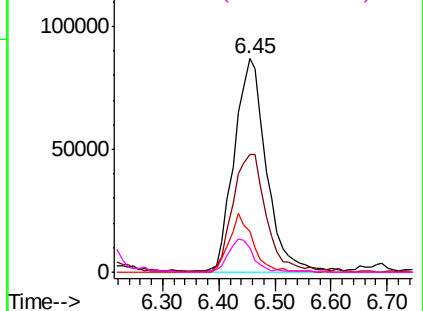


Abundance Ion 40.95 (40.65 to 41.65): VDC

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

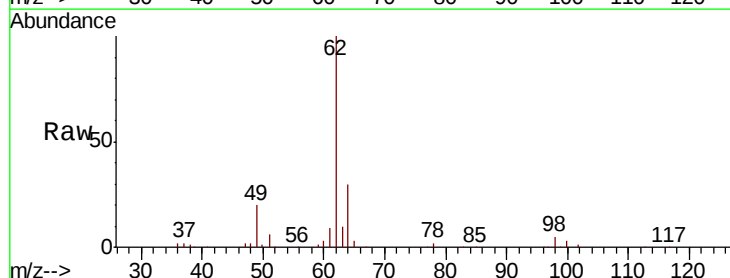
Acq: 8 Jul 2019 13:04

Tgt Ion: 62 Resp: 714347

Ion Ratio Lower Upper

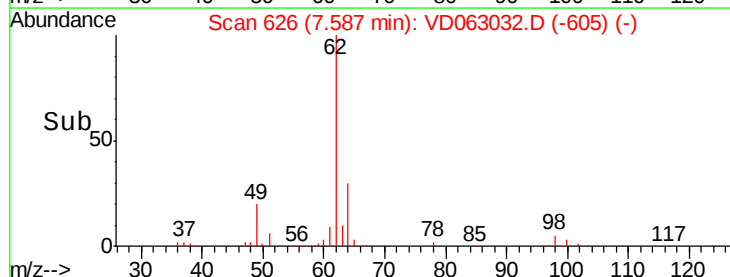
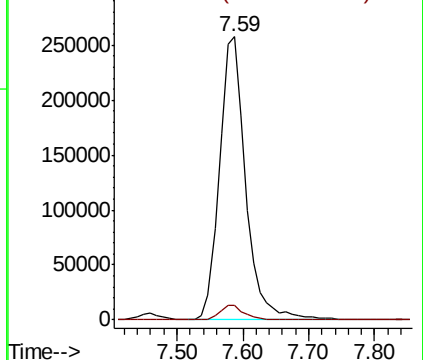
62 100

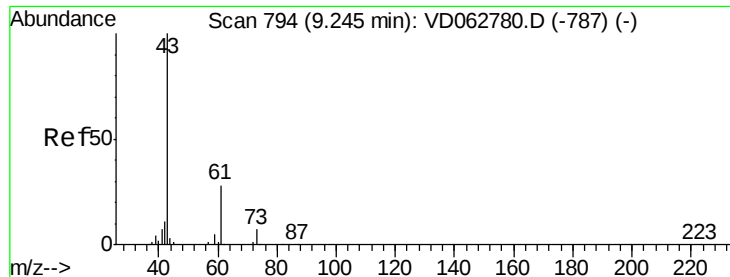
98 5.3 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



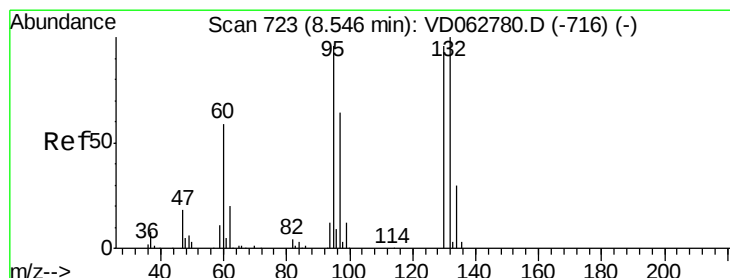
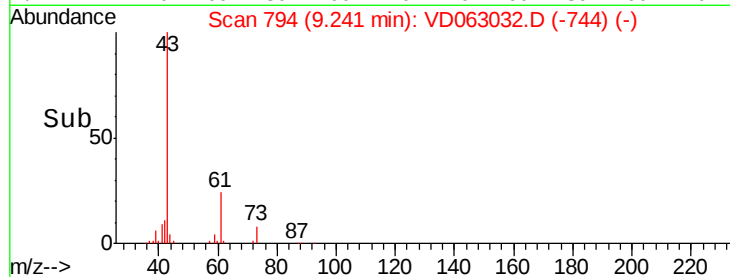
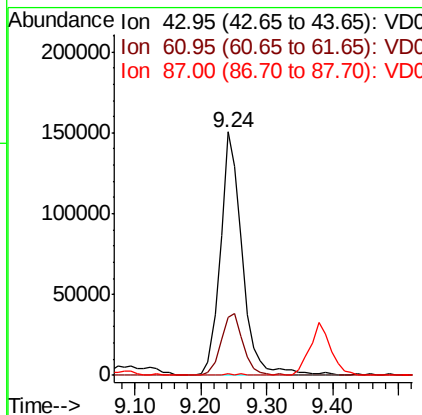
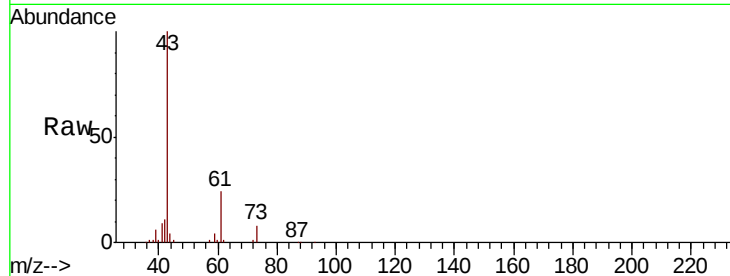


#43

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

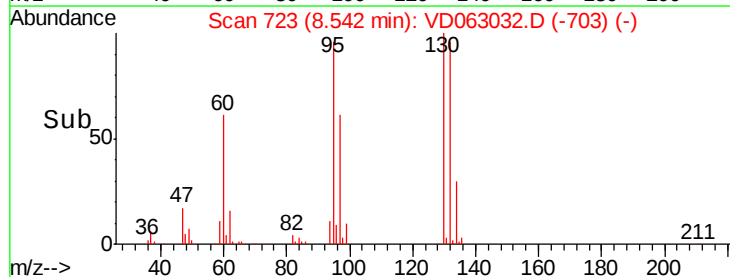
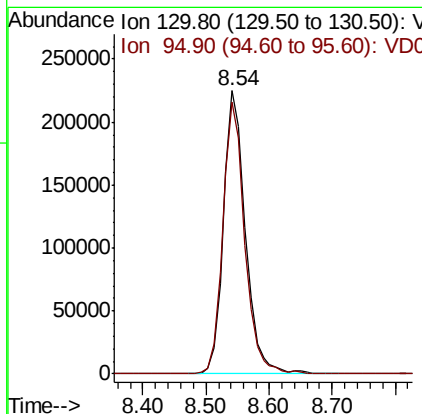
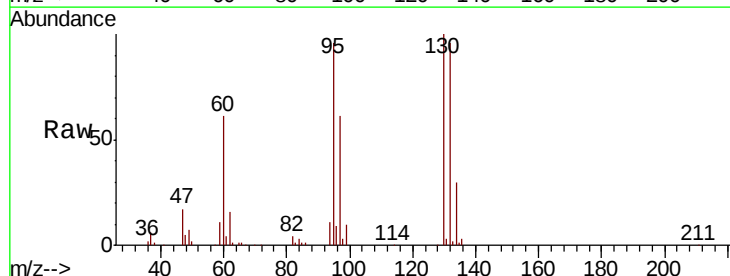
Tot Ion: 43 Resp: 348323
 Ion Ratio Lower Upper
 43 100
 61 23.6 22.4 33.6
 87 0.5 0.3 0.5

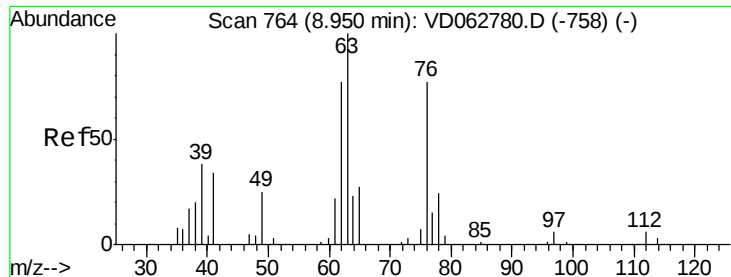


#44

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





#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 :

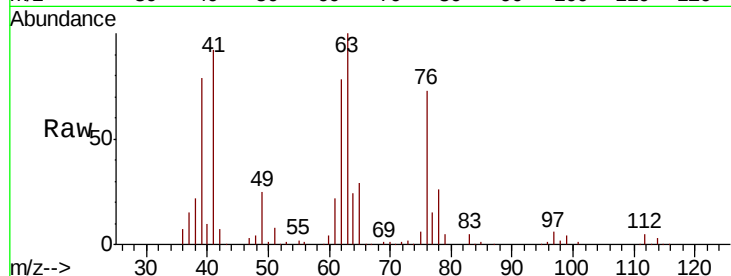
VSTDCCC050

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

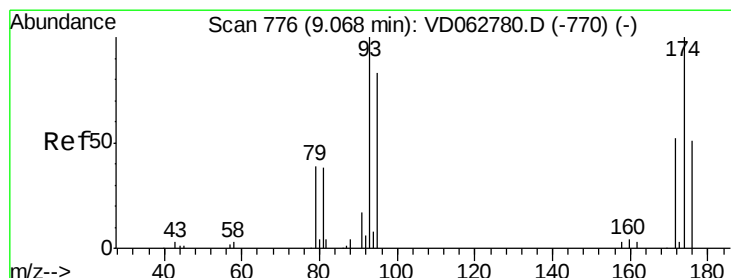
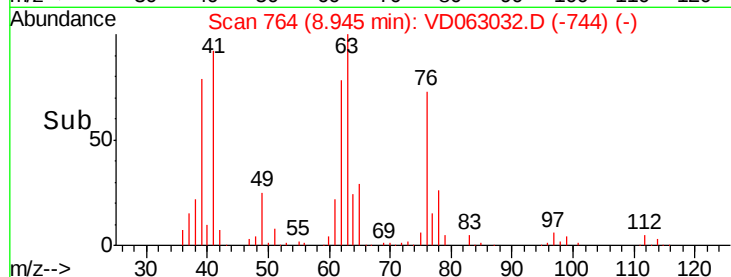
100000

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

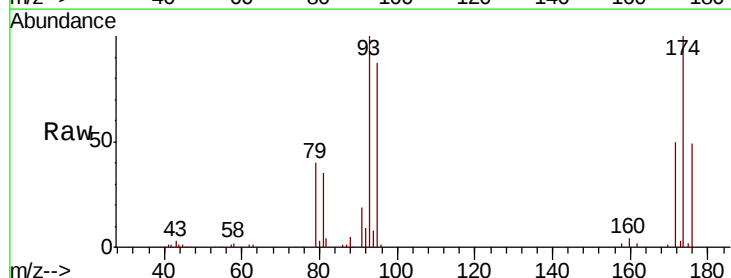
Tgt Ion: 93 Resp: 276211

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

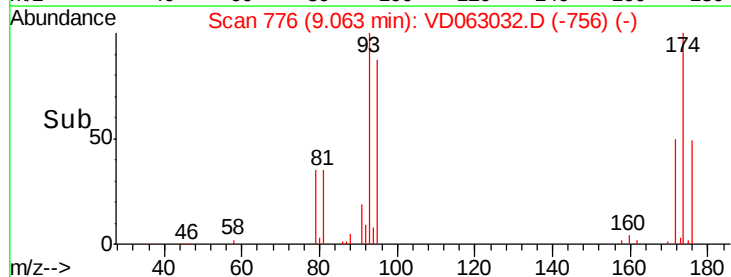
100000

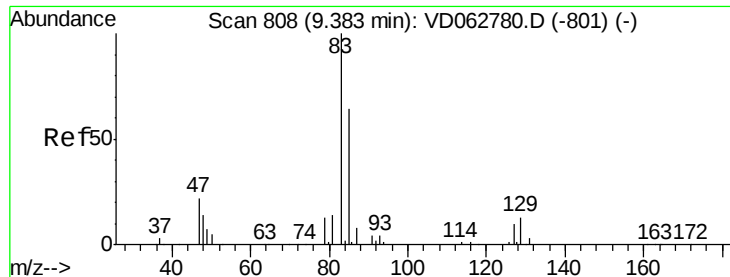
50000

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

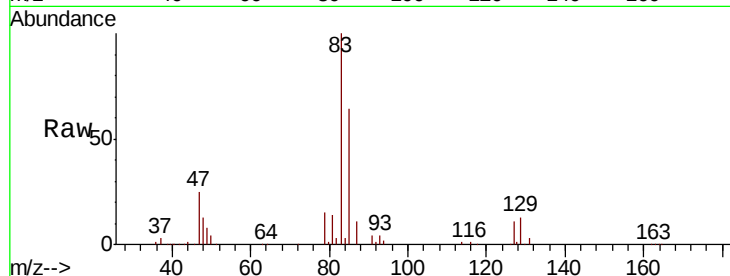
Tot Ion: 83 Resp: 746463

Ion Ratio Lower Upper

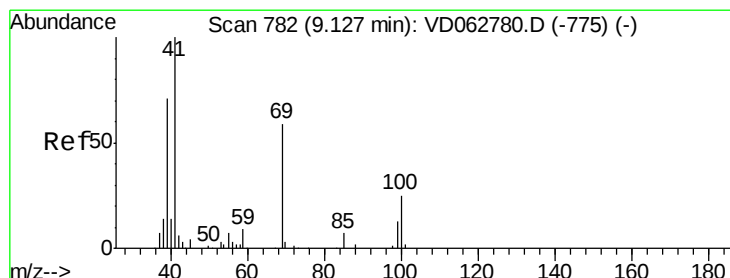
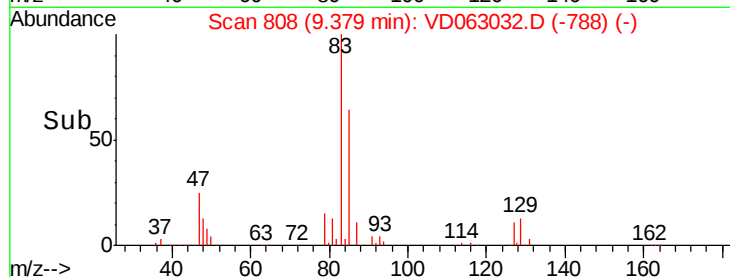
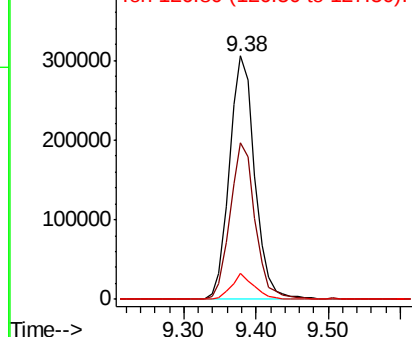
83 100

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): VDC



#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

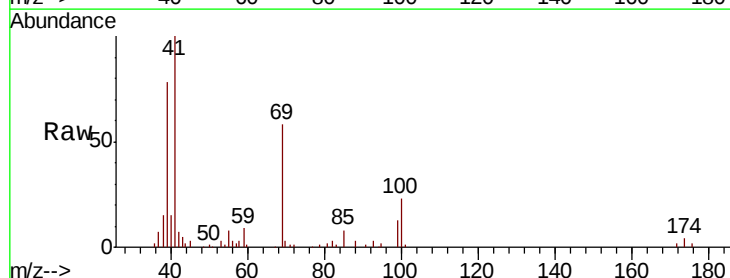
Tgt Ion: 41 Resp: 243007

Ion Ratio Lower Upper

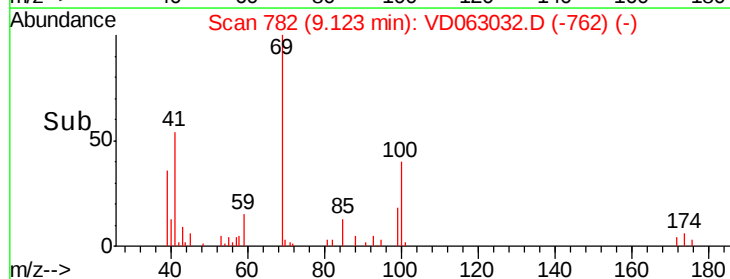
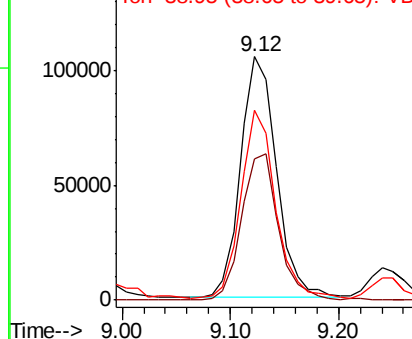
41 100

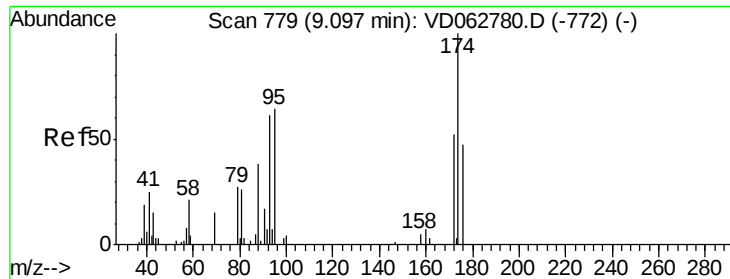
69 58.2 47.2 70.8

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

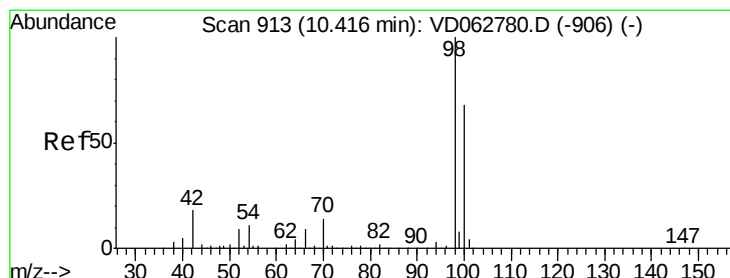
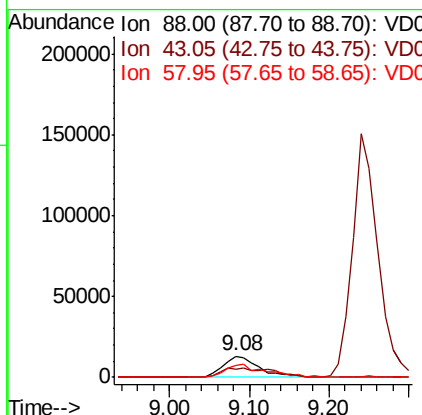
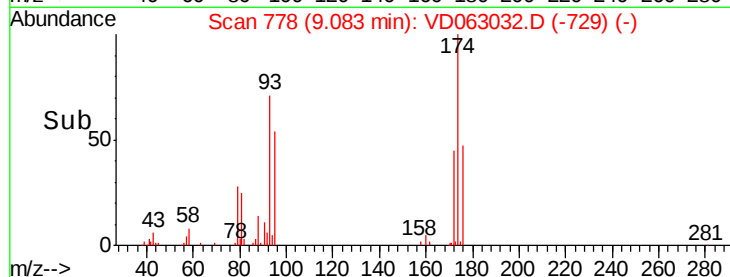
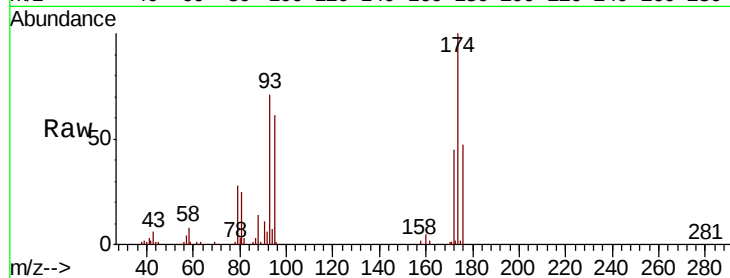




#49
1,4-Dioxane
Concen: 1043.828 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.01 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

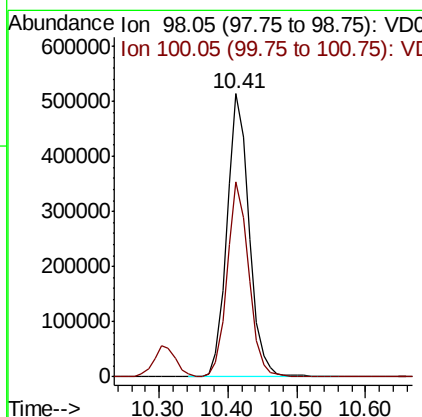
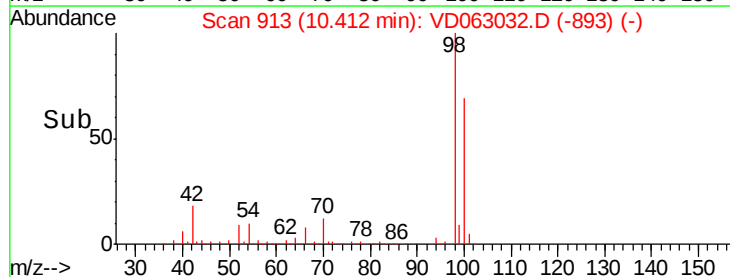
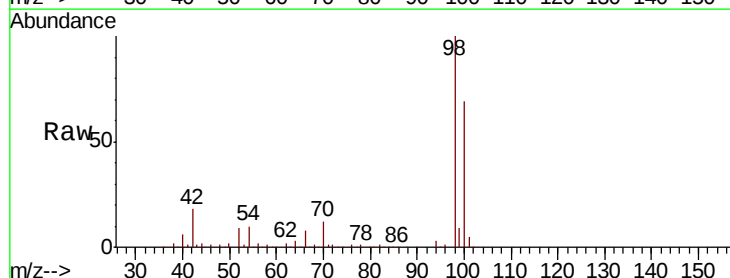
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

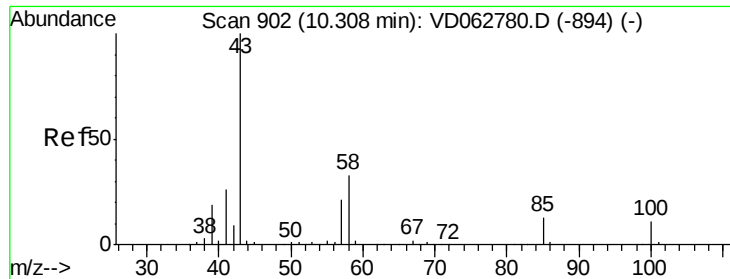
Tot Ion: 88 Resp: 41240
Ion Ratio Lower Upper
88 100
43 41.0 32.1 48.1
58 58.3 44.1 66.1



#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





#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 :

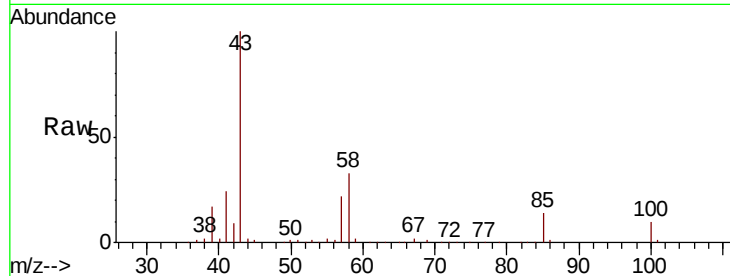
VSTDCCC050

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

10.30

600000

500000

400000

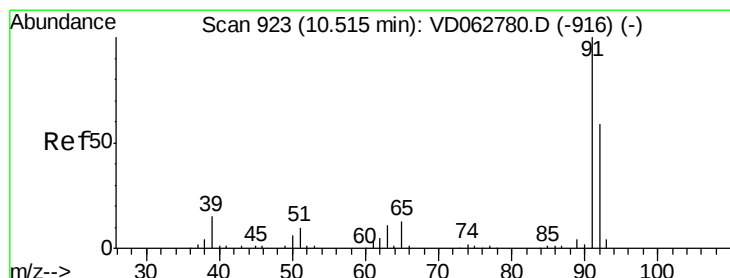
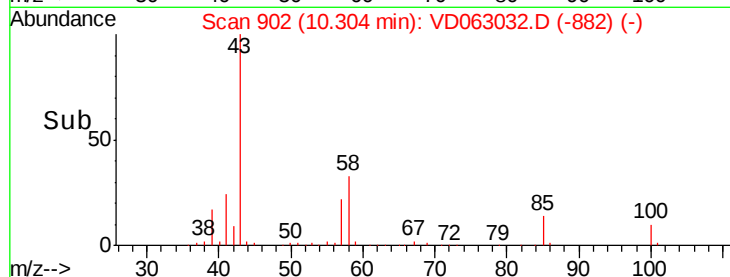
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.762 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD063032.D

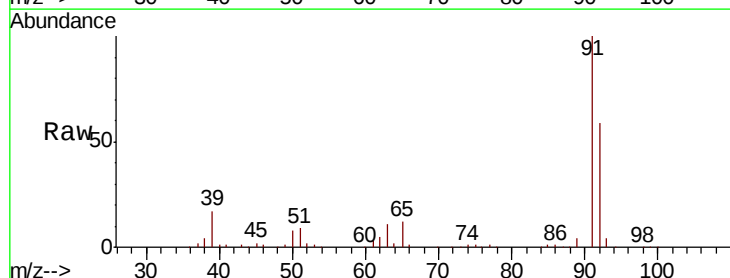
Acq: 8 Jul 2019 13:04

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

10.51

800000

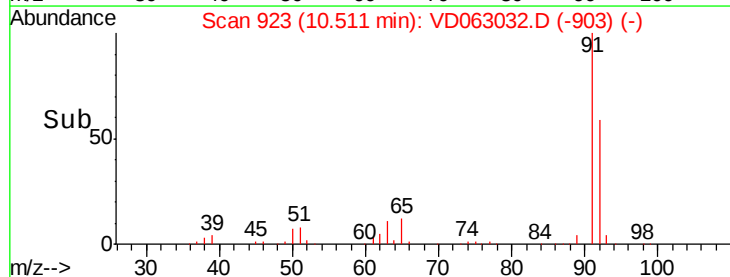
600000

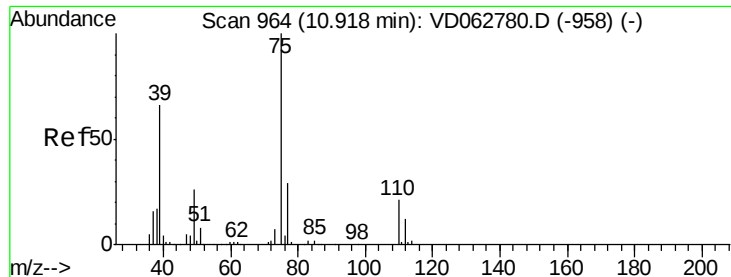
400000

200000

0

Time-->

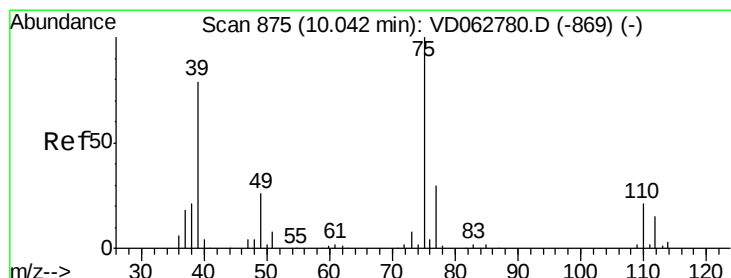
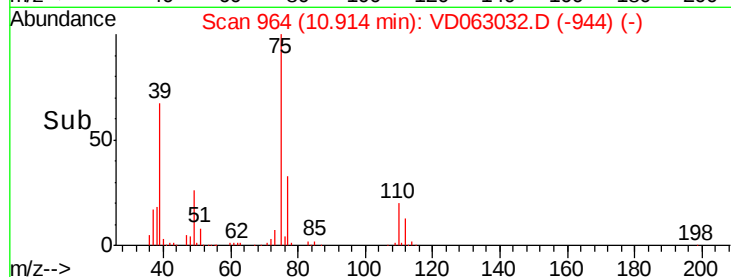
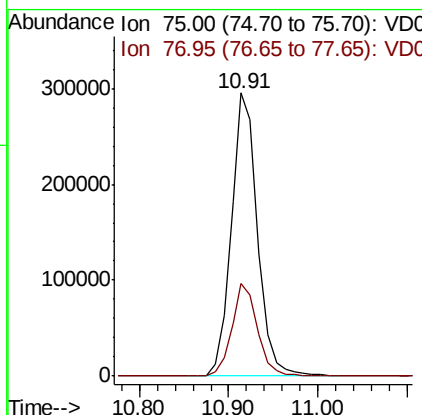
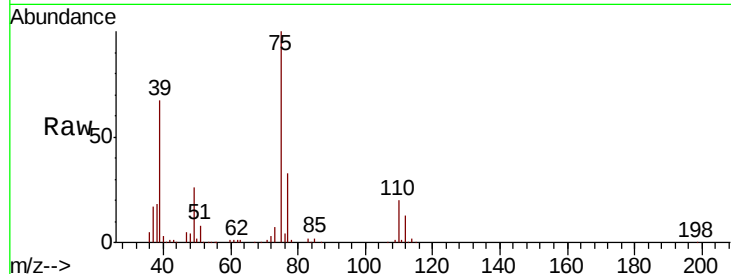




#53
t-1,3-Dichloropropene
Concen: 52.090 ug/l
RT: 10.91 min Scan# 964
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

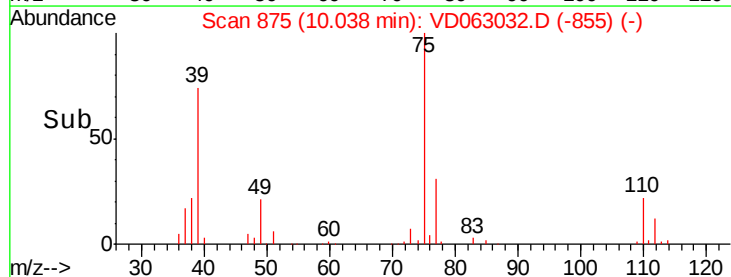
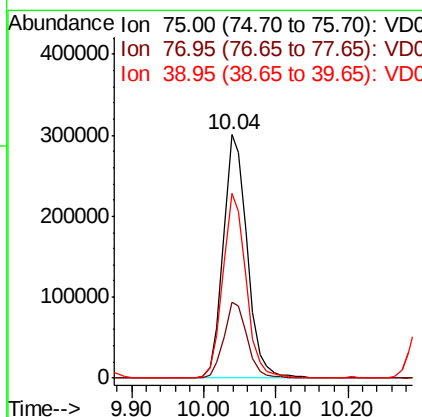
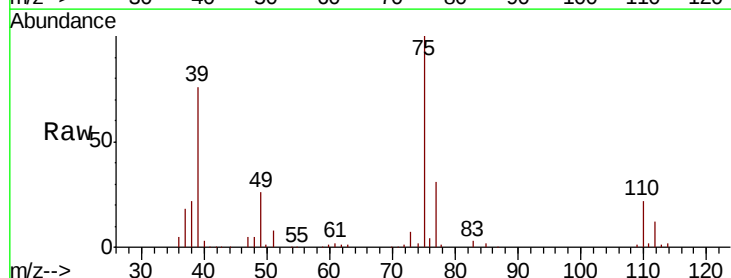
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

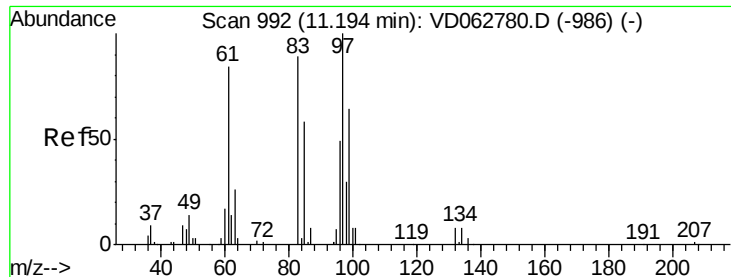
Tot Ion: 75 Resp: 605137
Ion Ratio Lower Upper
75 100
77 32.7 23.2 34.8



#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

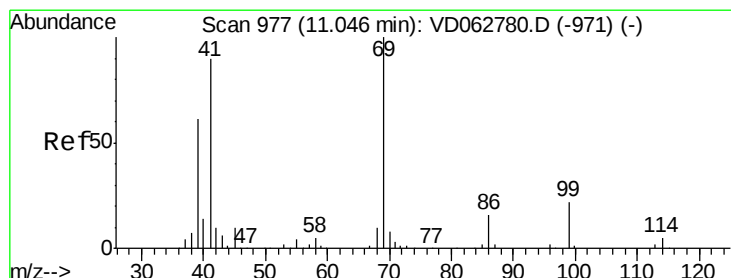
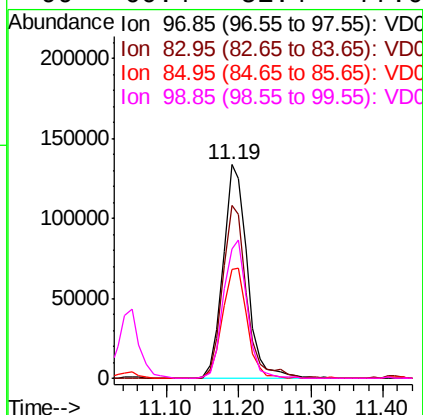
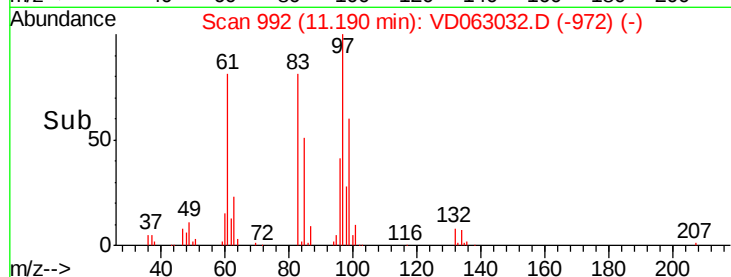
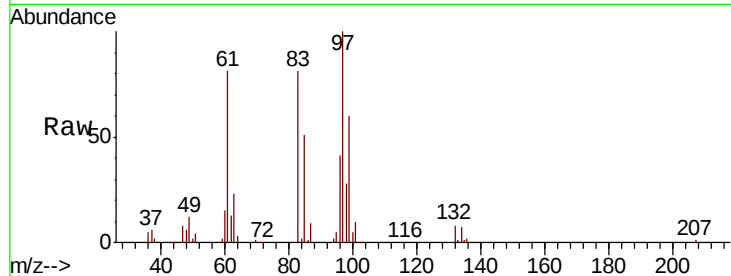




#55
 1,1,2-Trichloroethane
 Concen: 52.014 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

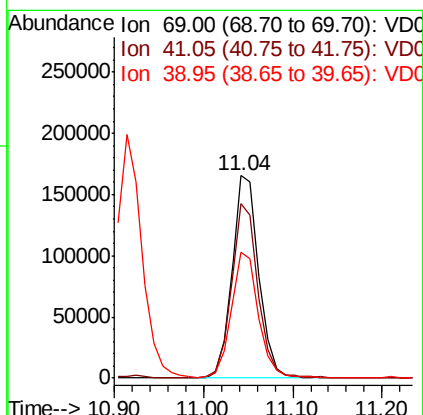
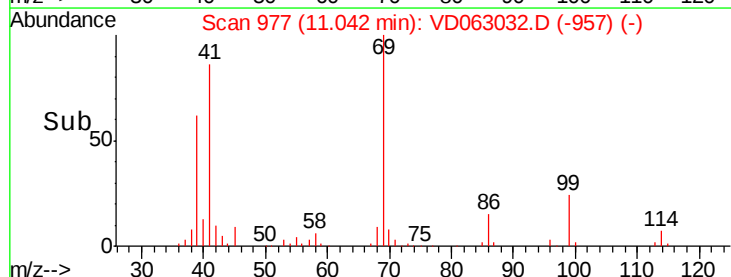
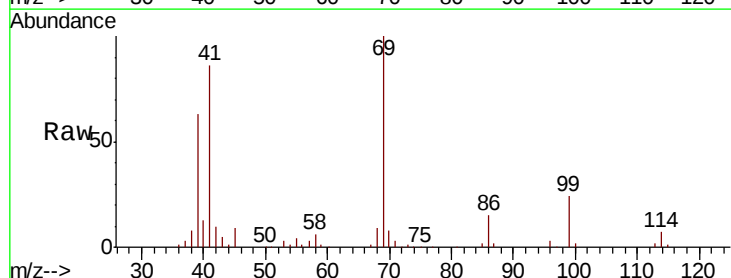
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

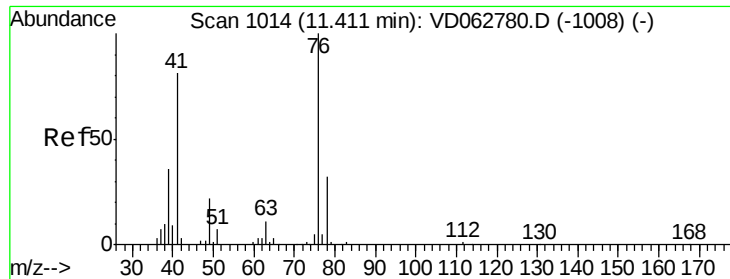
Tot Ion: 97 Resp: 307346
 Ion Ratio Lower Upper
 97 100
 83 80.8 71.0 106.4
 85 51.0 46.6 69.8
 99 60.4 51.4 77.0



#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





#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 :

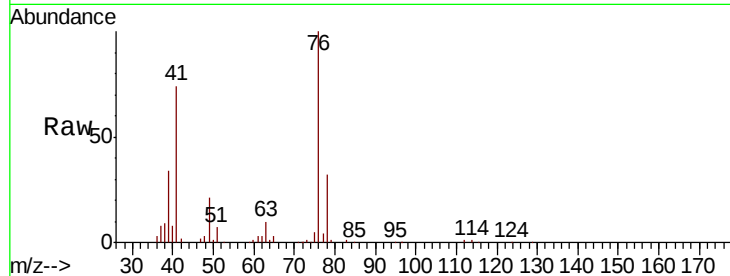
VSTDCCC050

Tot Ion: 76 Resp: 482417

Ion Ratio Lower Upper

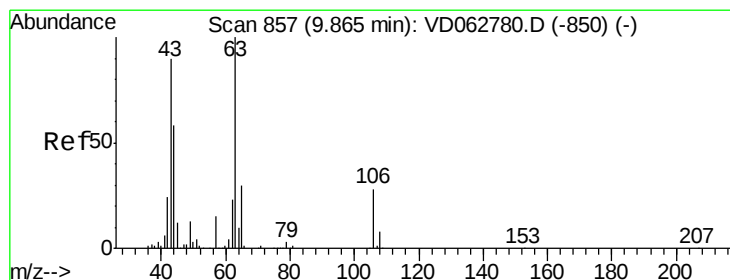
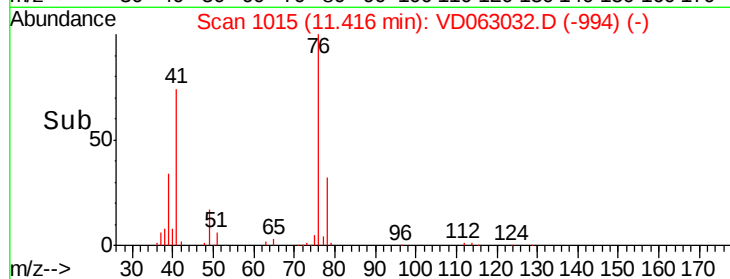
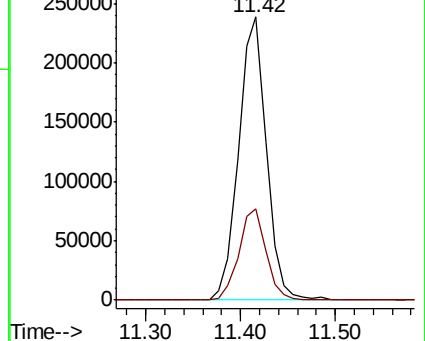
76 100

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

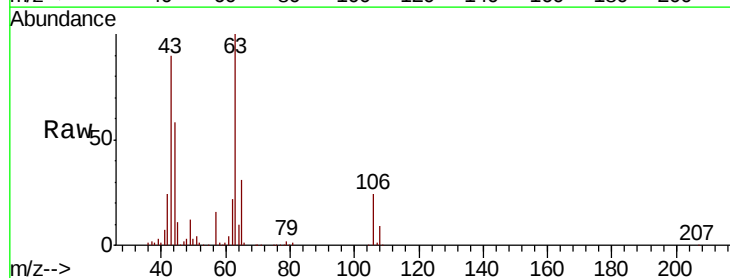
Acq: 8 Jul 2019 13:04

Tgt Ion: 63 Resp: 794029

Ion Ratio Lower Upper

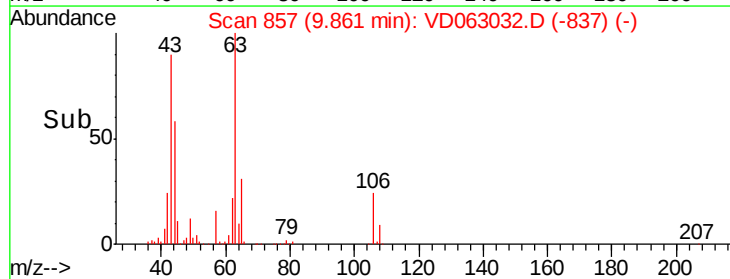
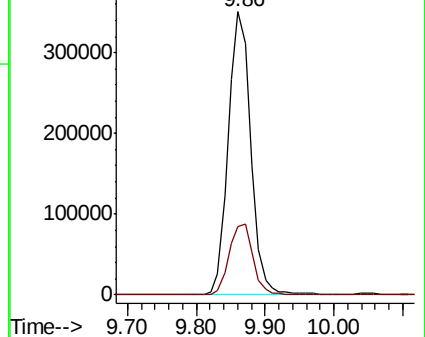
63 100

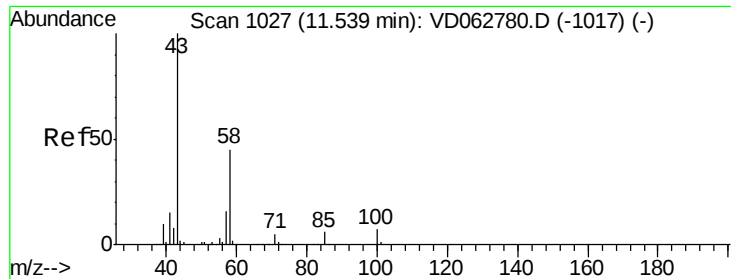
106 24.2 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

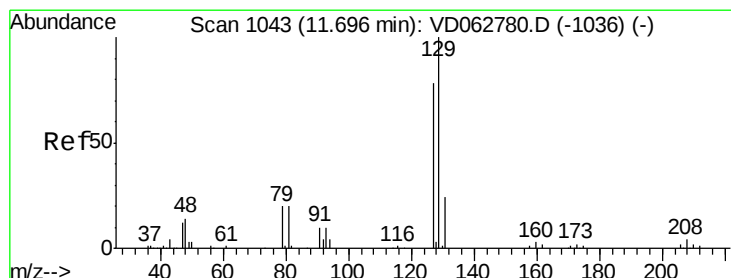
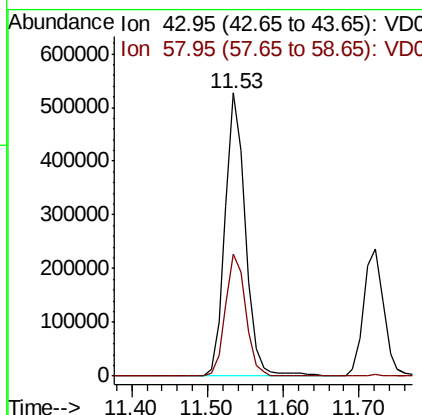
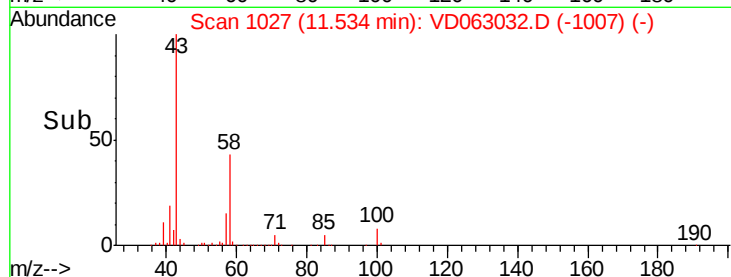
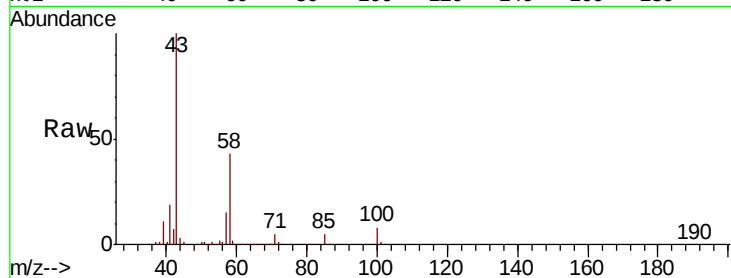




#59
2-Hexanone
Concen: 289.667 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

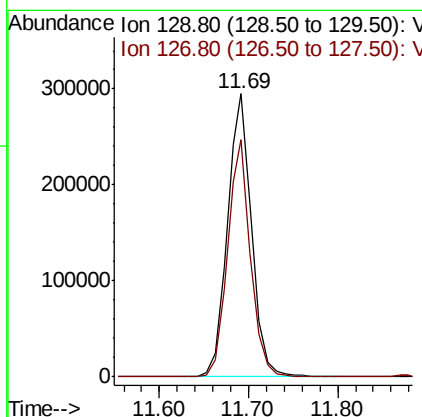
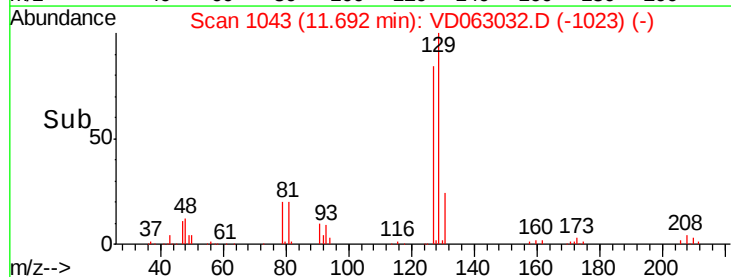
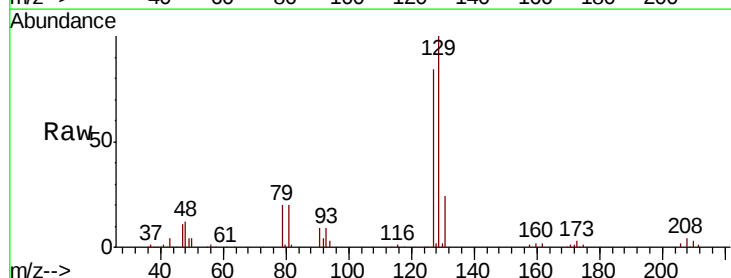
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

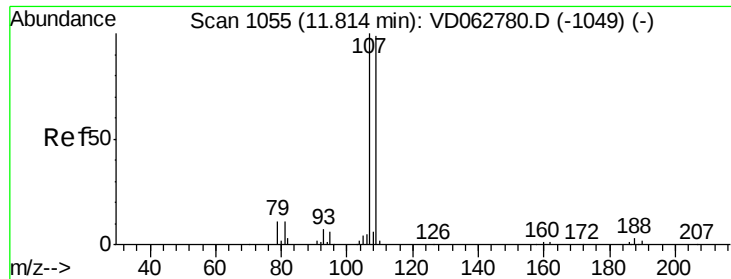
Tot Ion: 43 Resp: 977412
Ion Ratio Lower Upper
43 100
58 43.3 22.4 67.2



#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

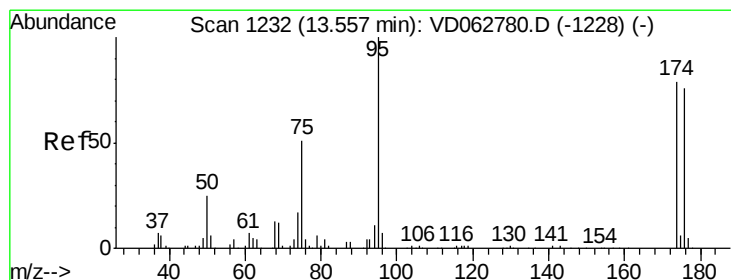
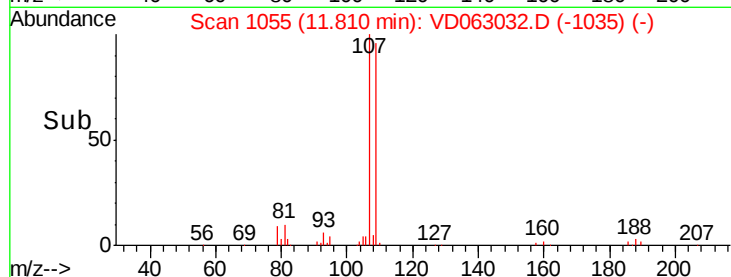
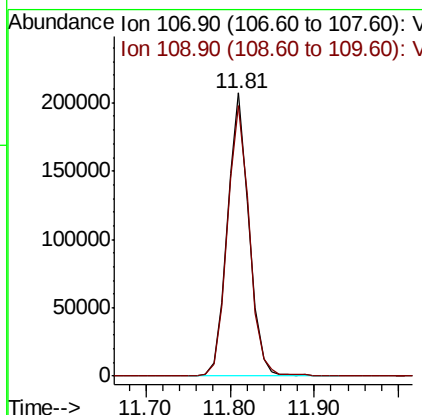
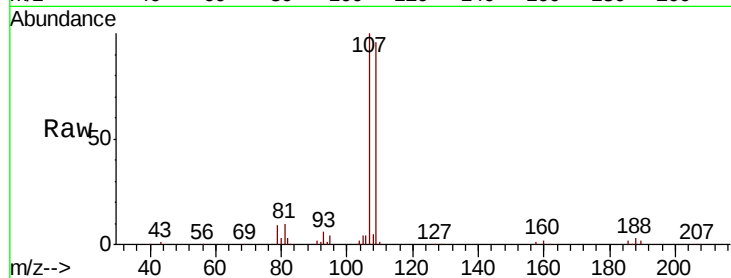




#61
 1,2-Dibromoethane
 Concen: 52.361 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

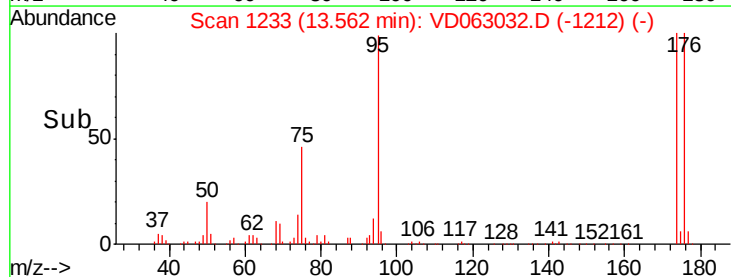
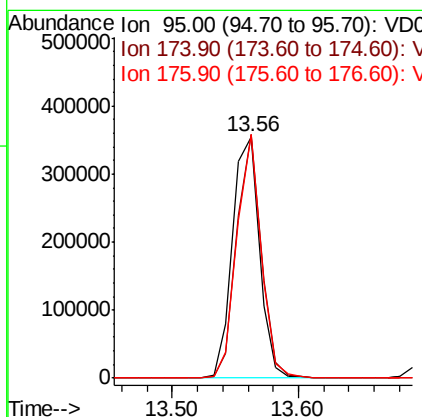
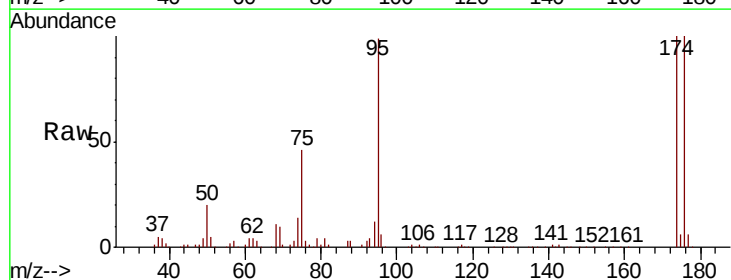
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

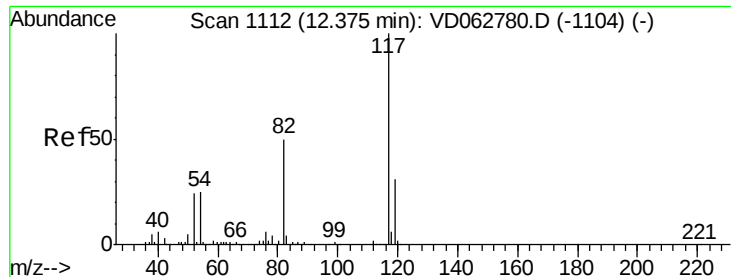
Tot Ion:107 Resp: 365410
 Ion Ratio Lower Upper
 107 100
 109 95.8 79.3 118.9



#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

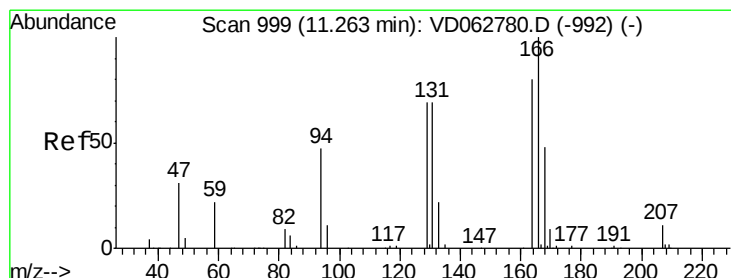
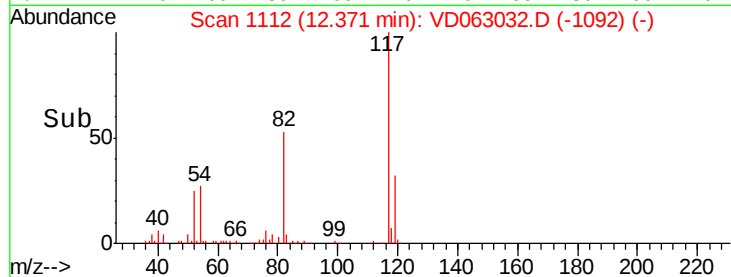
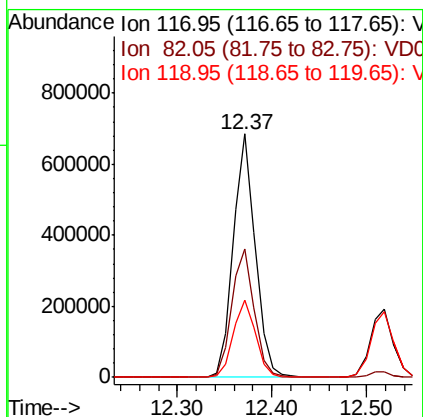
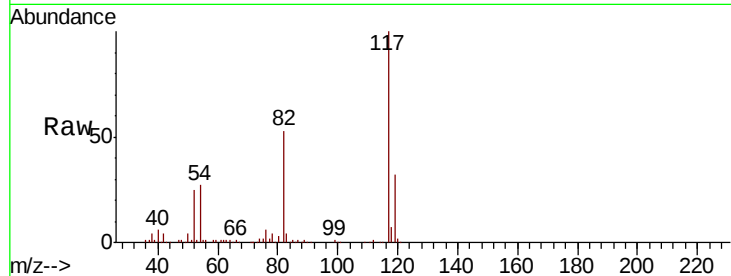




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

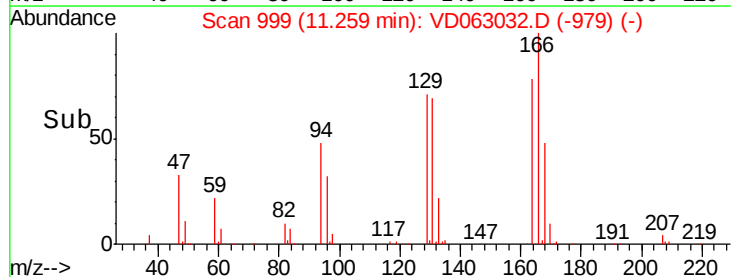
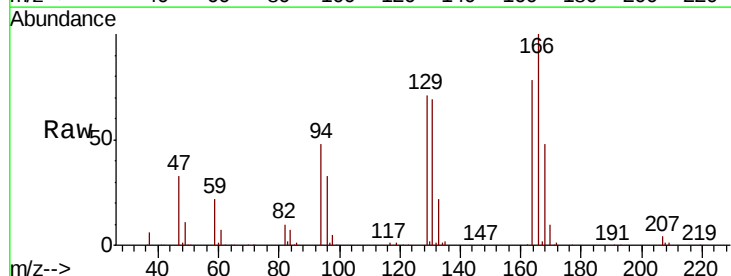
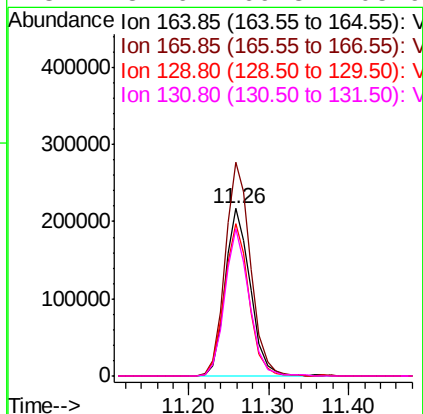
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

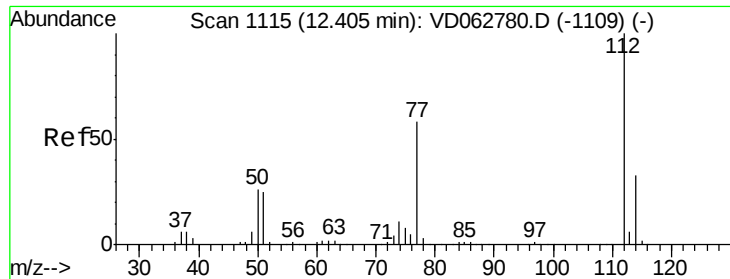
Tot Ion:117 Resp: 1105901
Ion Ratio Lower Upper
117 100
82 52.5 40.4 60.6
119 32.0 25.2 37.8



#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 :

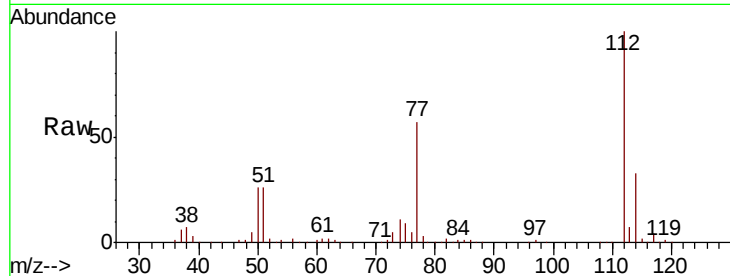
VSTDCCC050

Tot Ion:112 Resp: 1160142

Ion Ratio Lower Upper

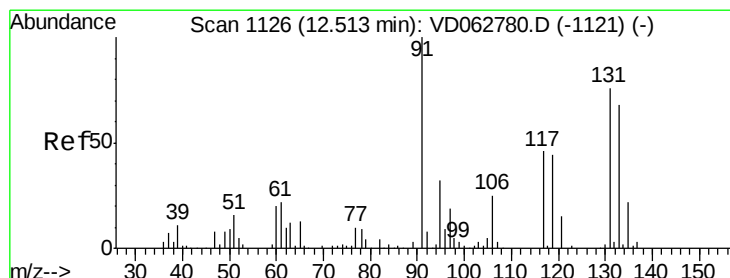
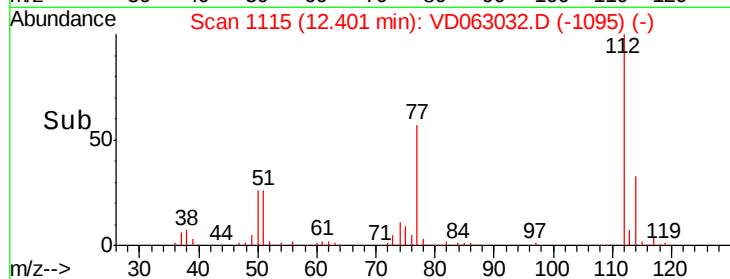
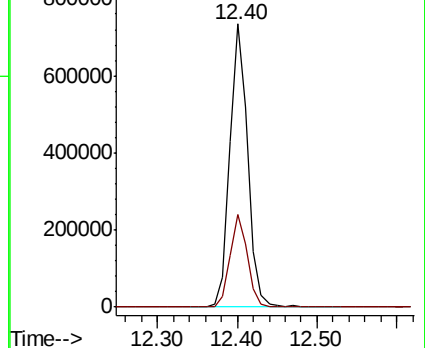
112 100

114 32.6 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#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

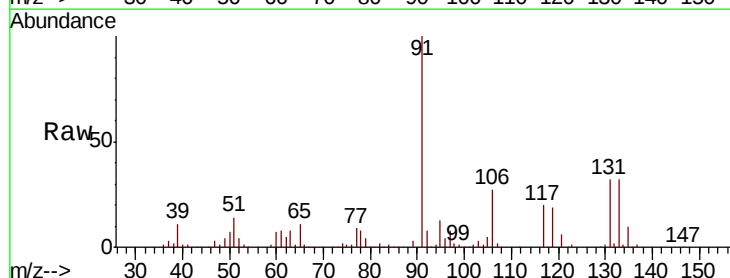
Tgt Ion:131 Resp: 514924

Ion Ratio Lower Upper

131 100

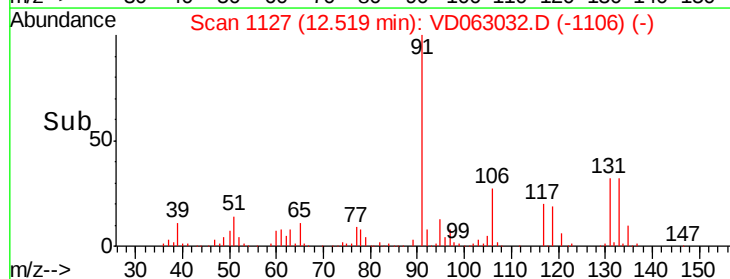
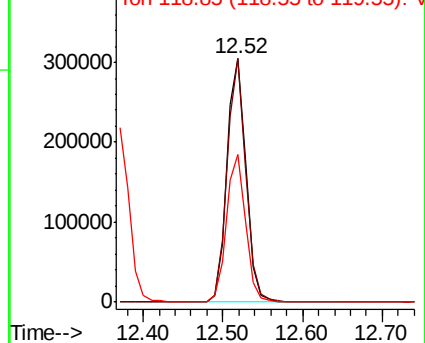
133 100.0 44.5 133.3

119 60.9 28.6 85.9



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

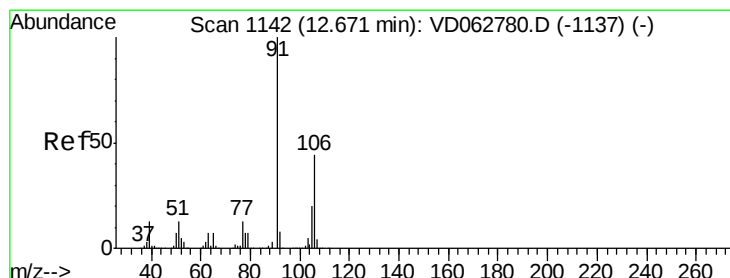
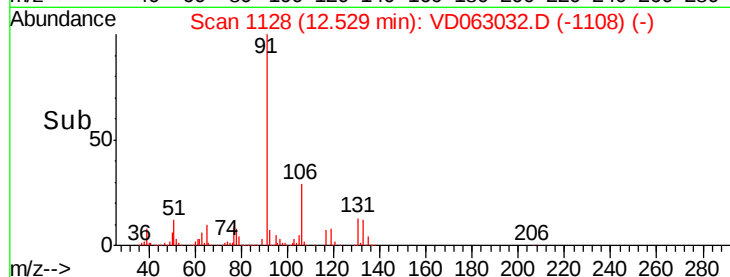
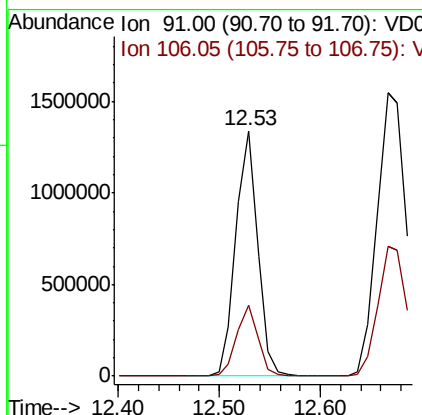
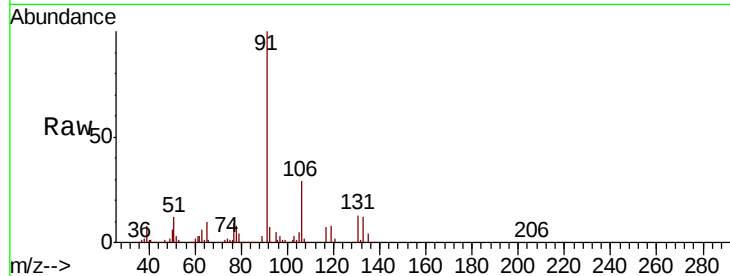




#67
Ethyl Benzene
Concen: 54.913 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

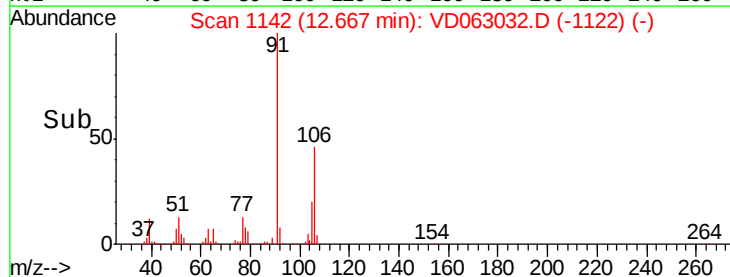
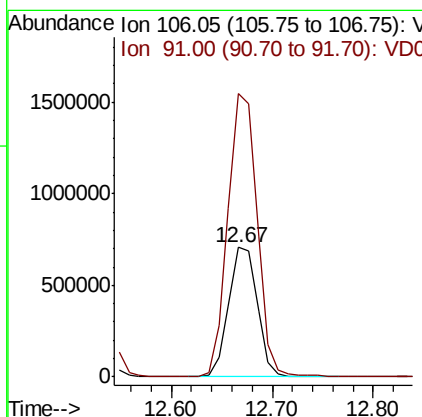
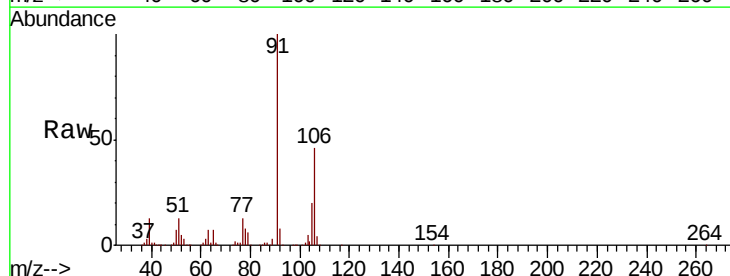
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

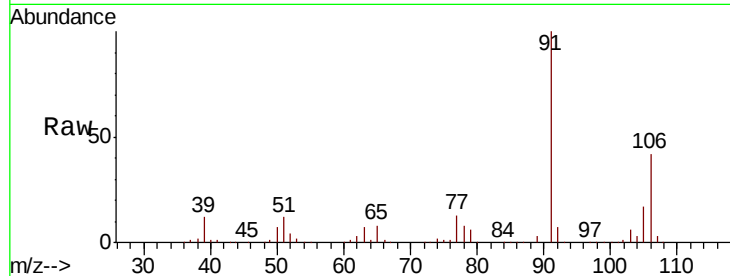




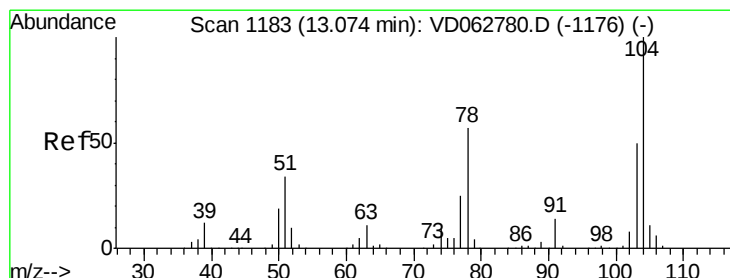
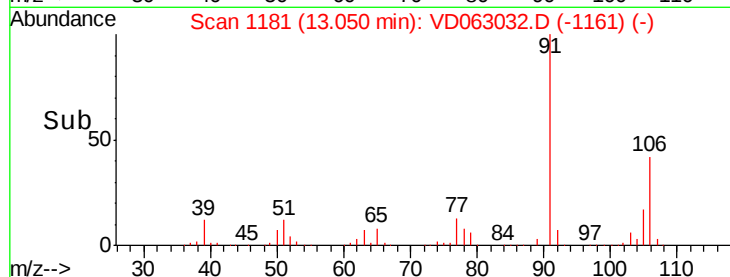
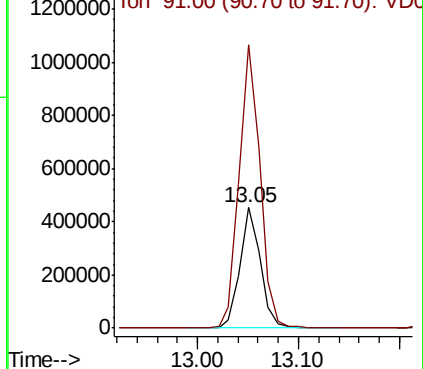
#69
o-Xylene
Concen: 54.122 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

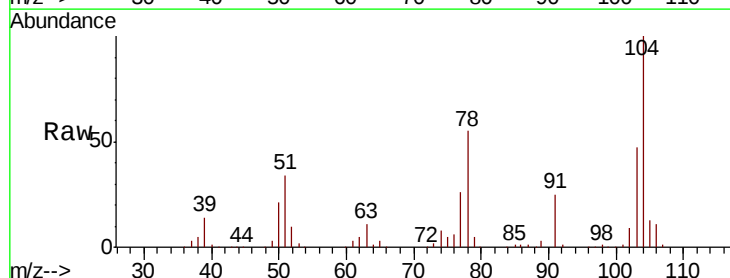


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

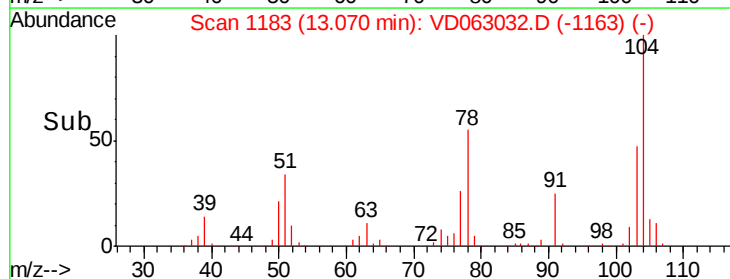
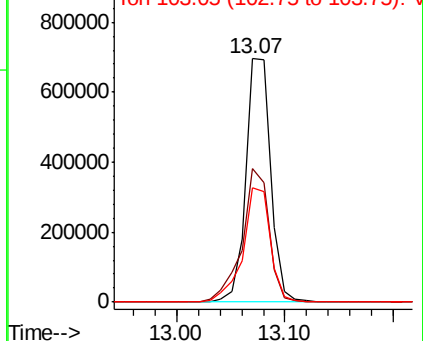


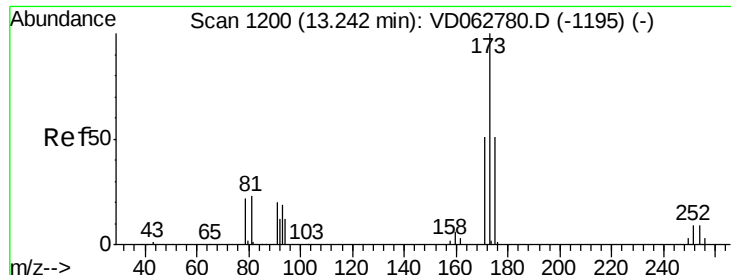
#70
Styrene
Concen: 53.602 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD063032.D
Acq: 8 Jul 2019 13:04

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

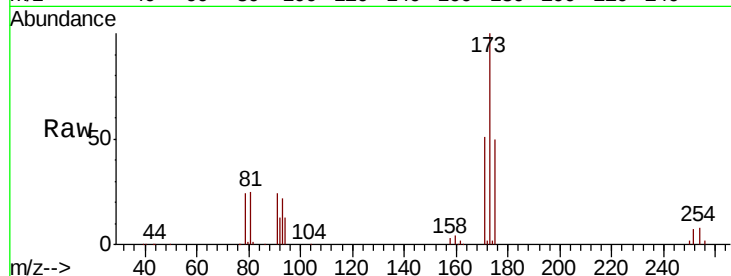
Tot Ion:173 Resp: 357388

Ion Ratio Lower Upper

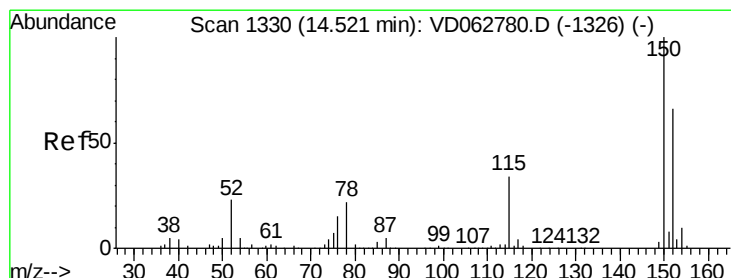
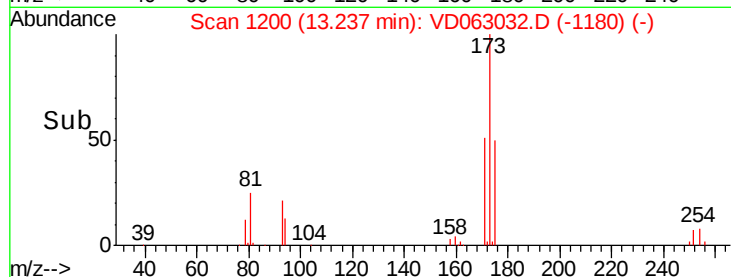
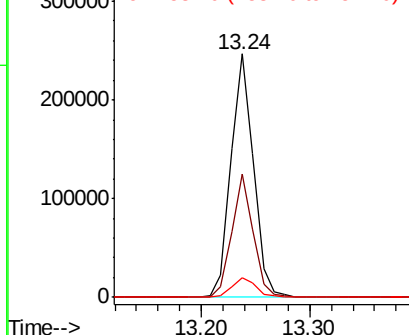
173 100

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

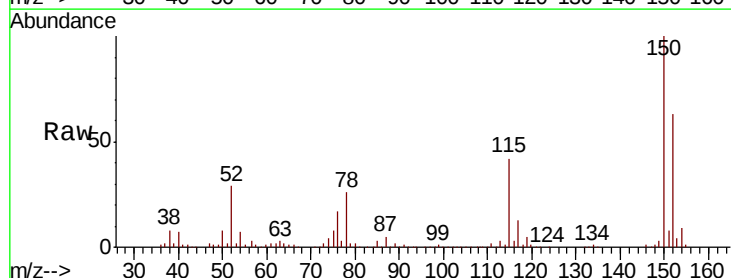
Tgt Ion:152 Resp: 572661

Ion Ratio Lower Upper

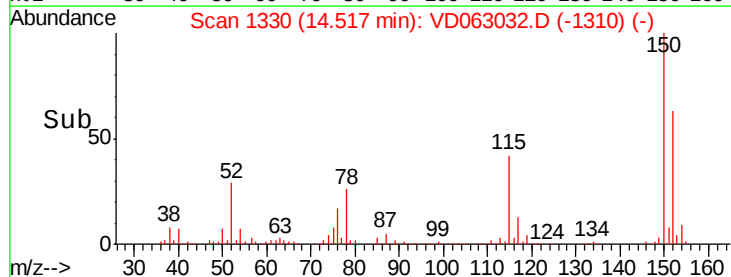
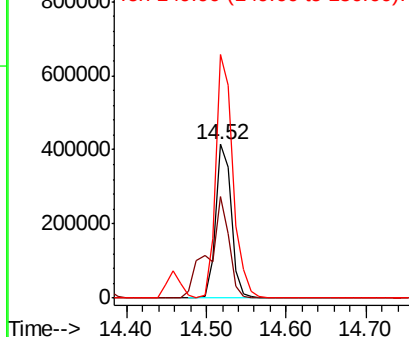
152 100

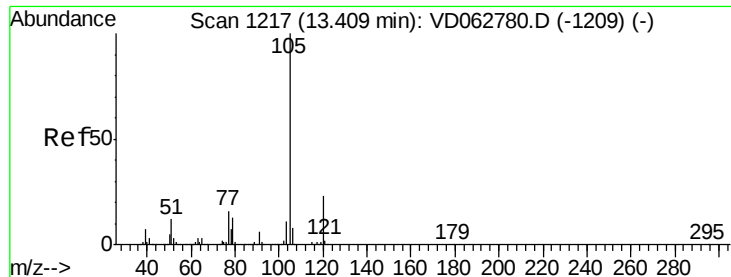
115 65.9 29.2 87.6

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 :

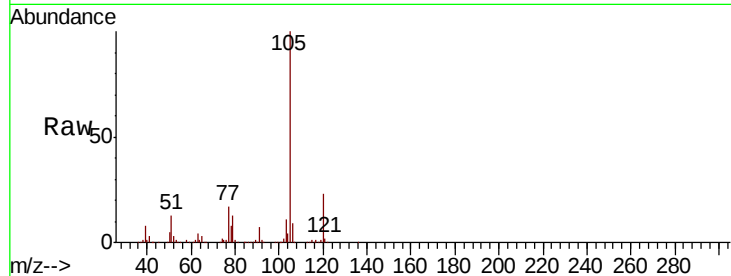
VSTDCCC050

Tot Ion:105 Resp: 1902283

Ion Ratio Lower Upper

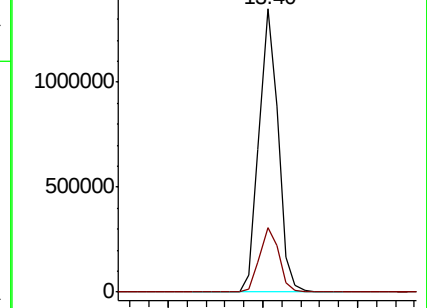
105 100

120 22.7 11.6 34.7

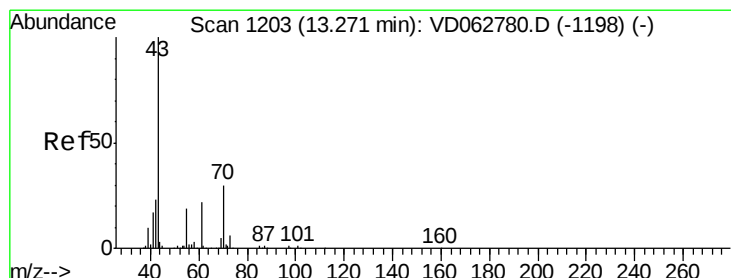
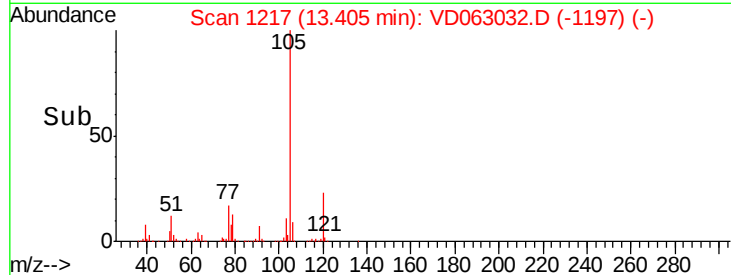


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#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

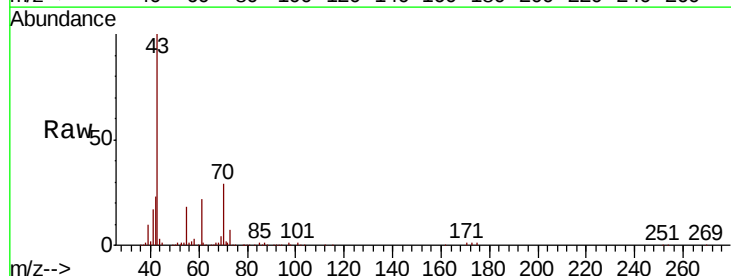
Ion Ratio Lower Upper

43 100

70 29.2 24.4 36.6

55 18.3 15.2 22.8

61 21.7 17.4 26.2

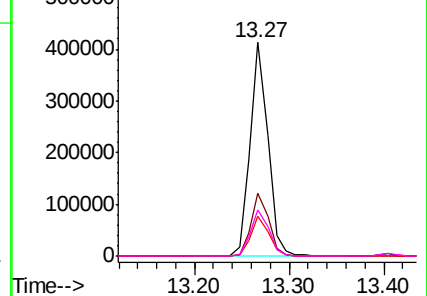


Abundance Ion 42.95 (42.65 to 43.65): VDC

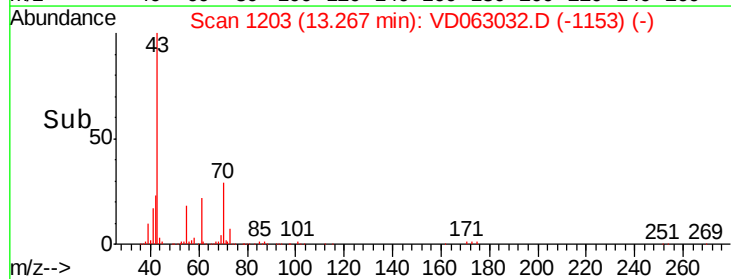
Ion 70.00 (69.70 to 70.70): VDC

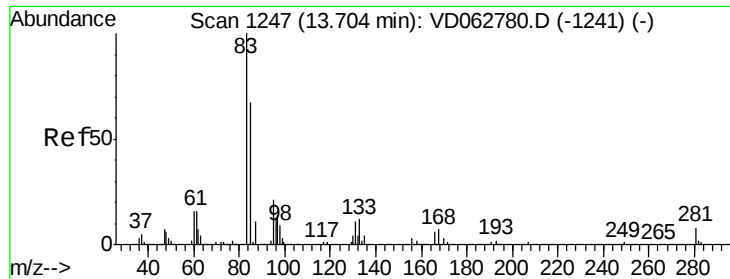
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#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

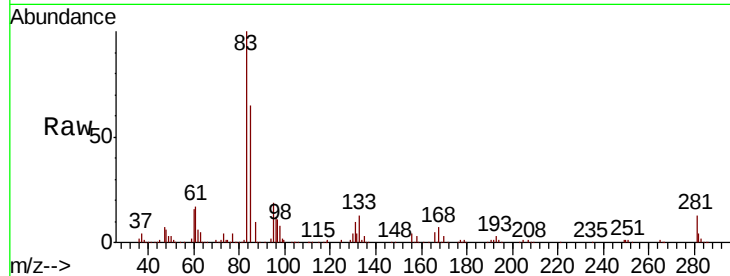
Tot Ion: 83 Resp: 348949

Ion Ratio Lower Upper

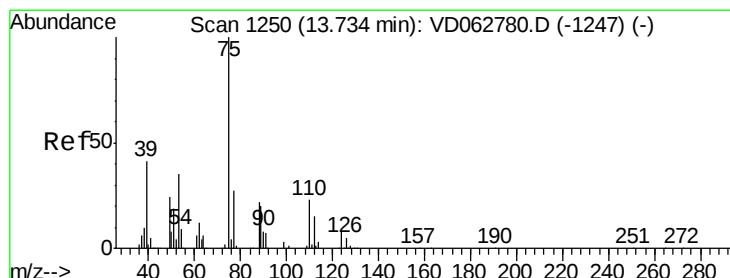
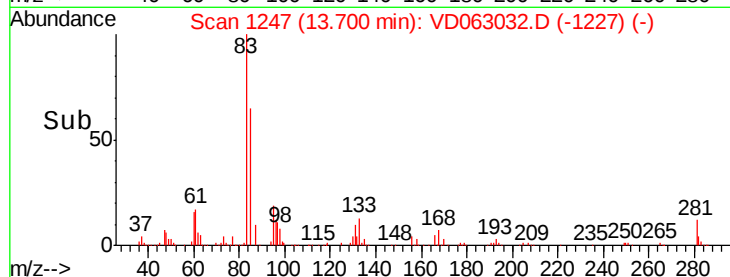
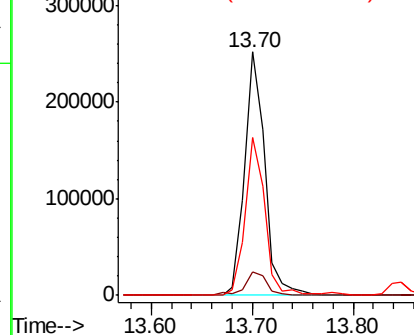
83 100

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

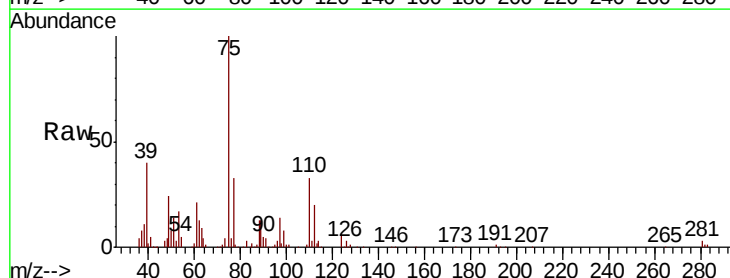
Acq: 8 Jul 2019 13:04

Tgt Ion: 75 Resp: 385710

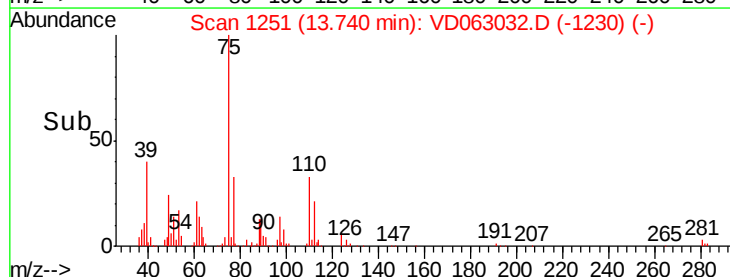
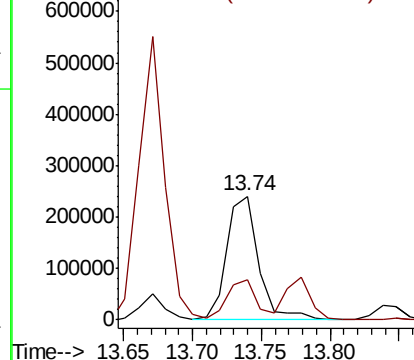
Ion Ratio Lower Upper

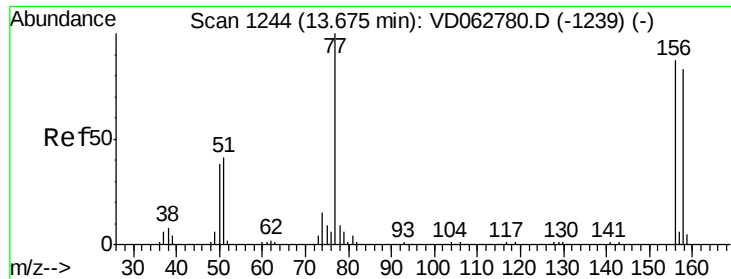
75 100

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

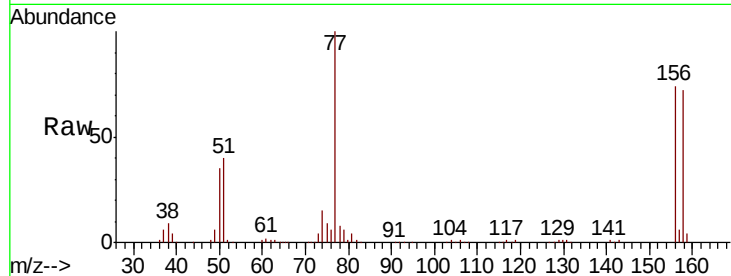
Tot Ion:156 Resp: 544044

Ion Ratio Lower Upper

156 100

77 135.3 57.7 173.1

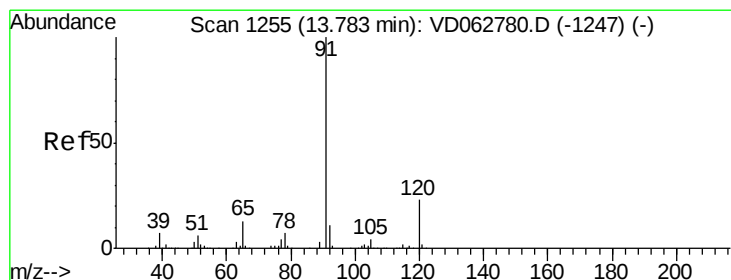
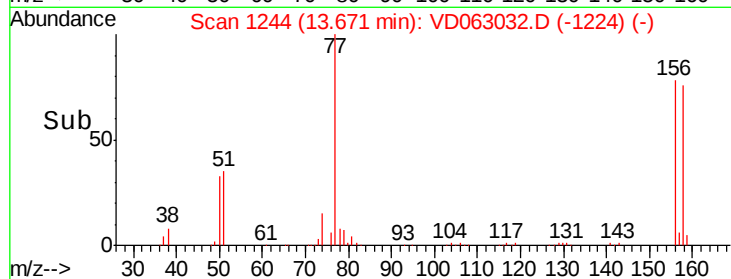
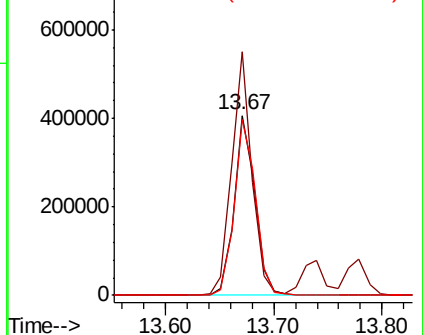
158 97.4 47.7 143.1



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

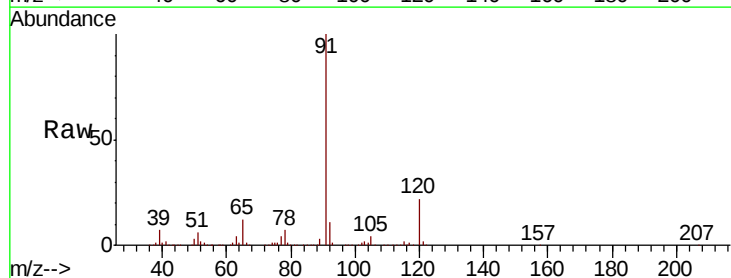
Acq: 8 Jul 2019 13:04

Tgt Ion: 91 Resp: 2474688

Ion Ratio Lower Upper

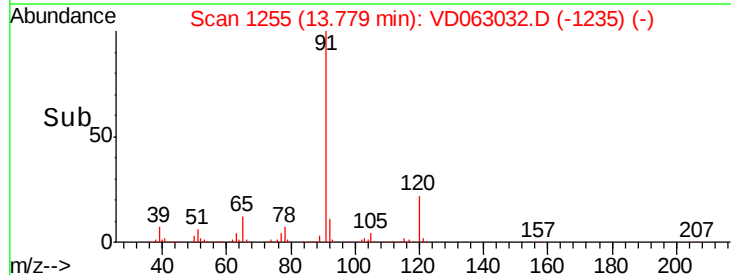
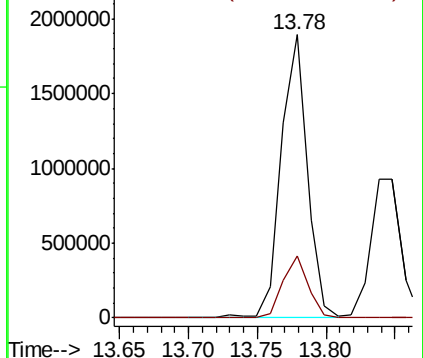
91 100

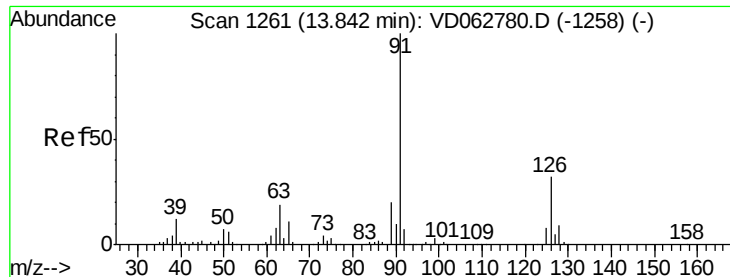
120 21.7 11.3 33.8



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 :

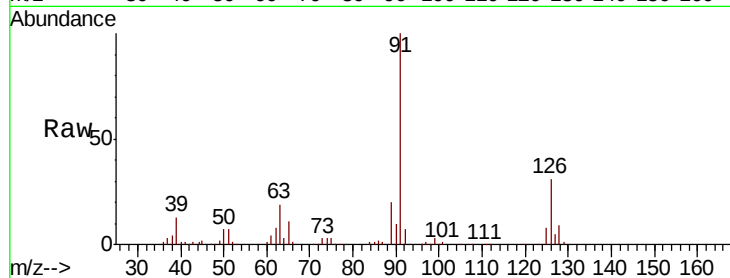
VSTDCCC050

Tot Ion: 91 Resp: 1411794

Ion Ratio Lower Upper

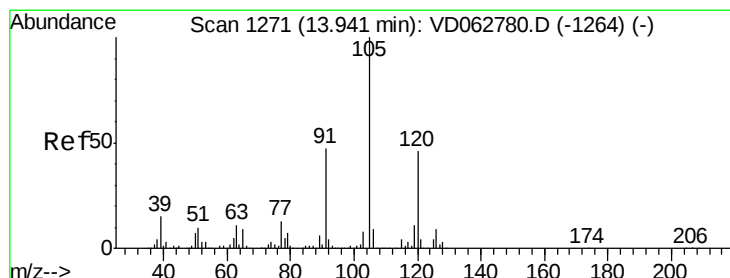
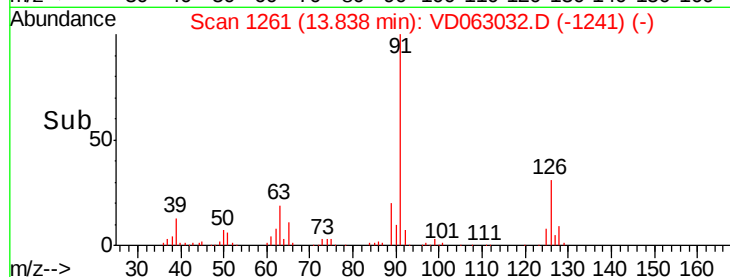
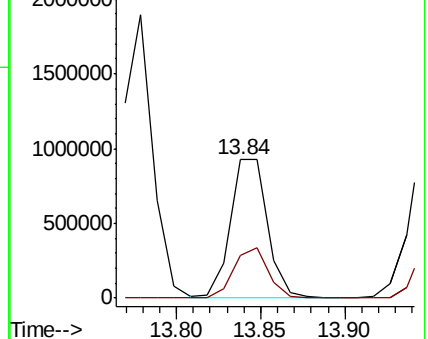
91 100

126 30.7 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 55.035 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063032.D

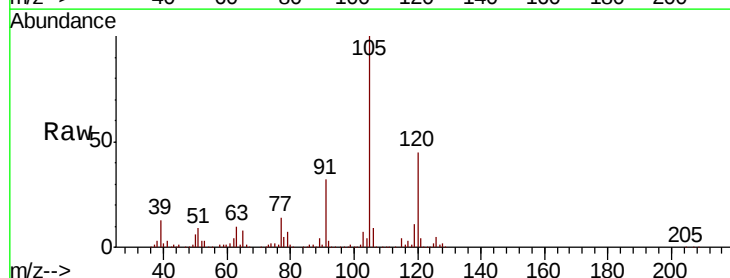
Acq: 8 Jul 2019 13:04

Tgt Ion:105 Resp: 1697372

Ion Ratio Lower Upper

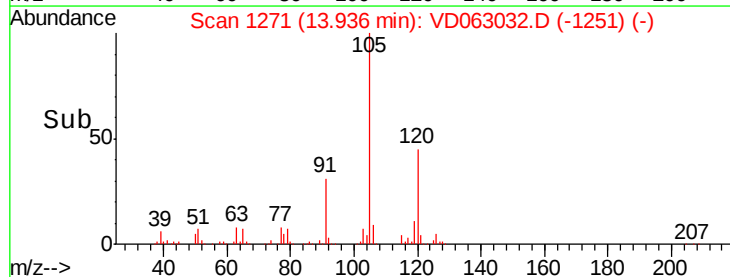
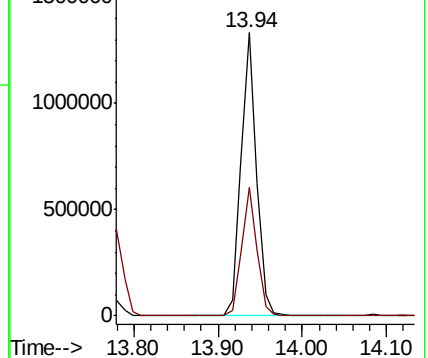
105 100

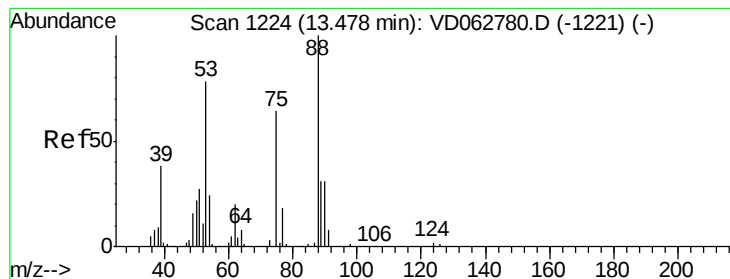
120 45.2 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 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

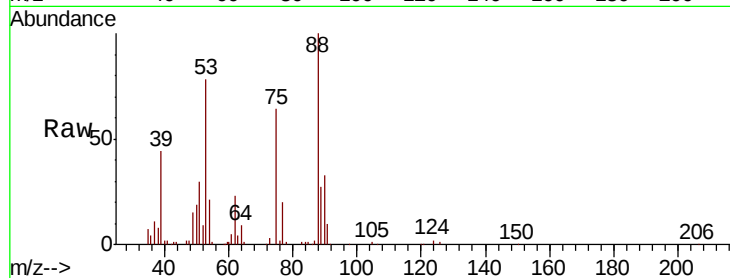
Tot Ion: 75 Resp: 101345

Ion Ratio Lower Upper

75 100

53 121.3 97.8 146.8

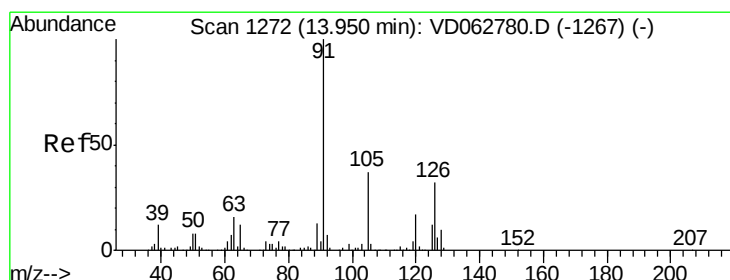
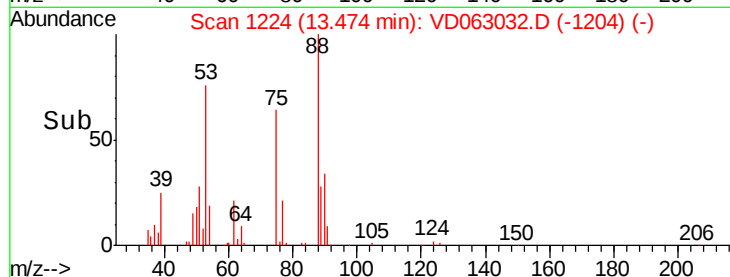
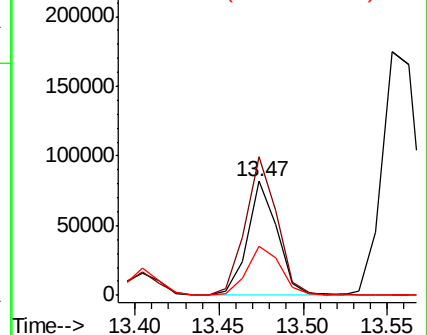
89 42.9 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 54.698 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063032.D

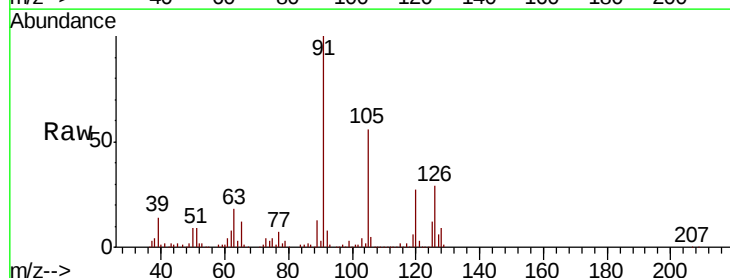
Acq: 8 Jul 2019 13:04

Tgt Ion: 91 Resp: 1608275

Ion Ratio Lower Upper

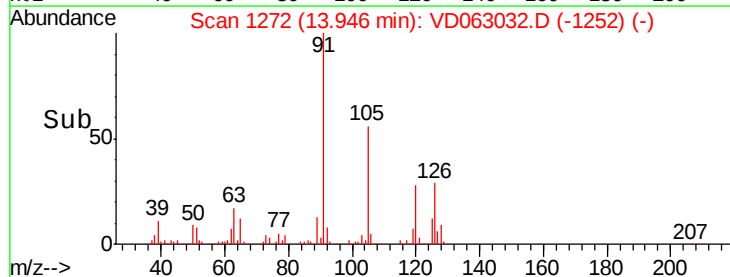
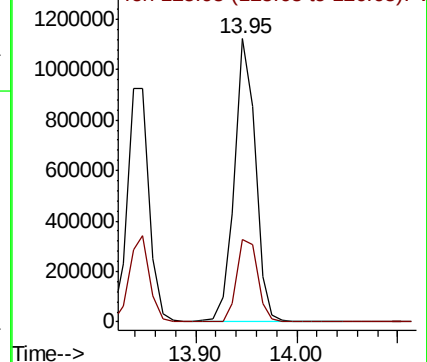
91 100

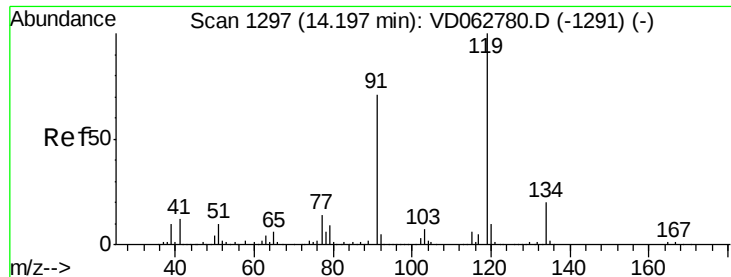
126 29.2 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

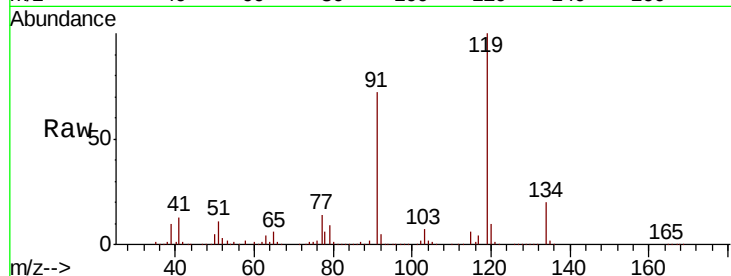




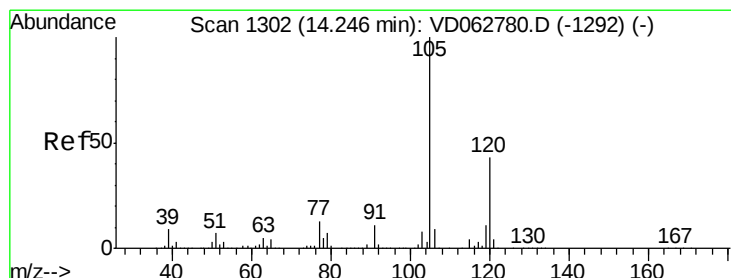
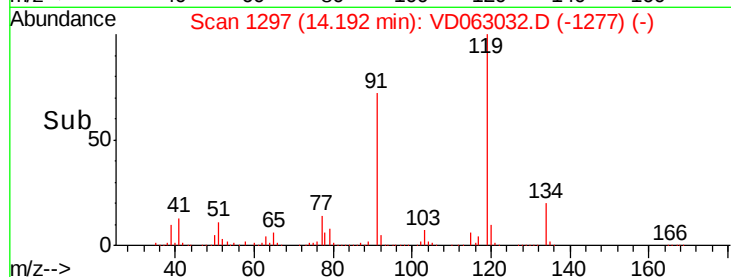
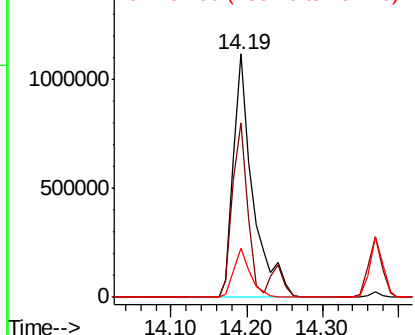
#83
 tert-Butylbenzene
 Concen: 57.335 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

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

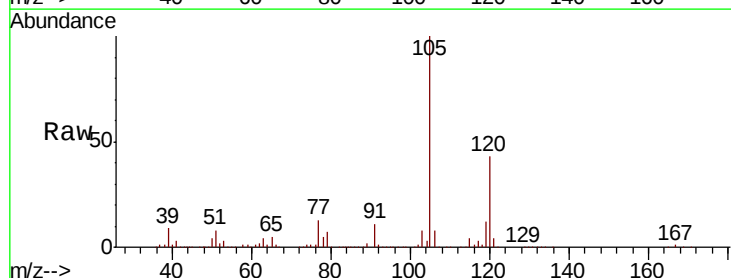


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

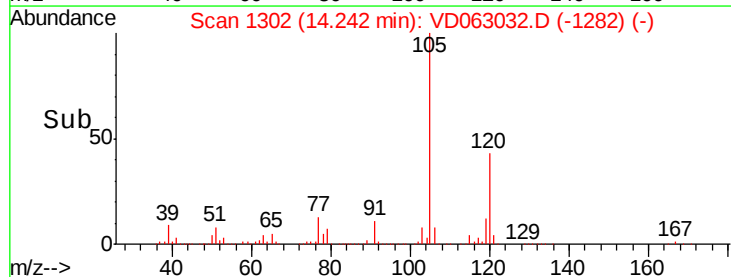
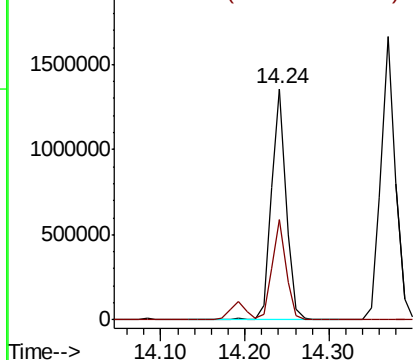


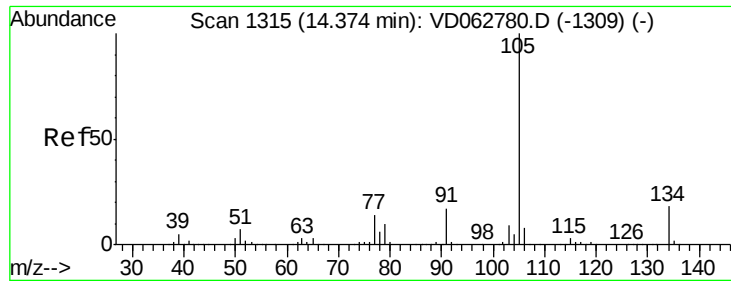
#84
 1,2,4-Trimethylbenzene
 Concen: 52.870 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

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



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

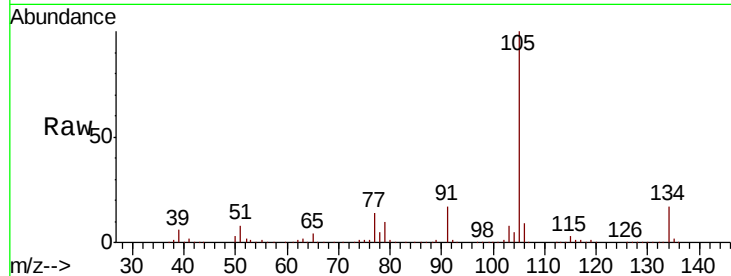




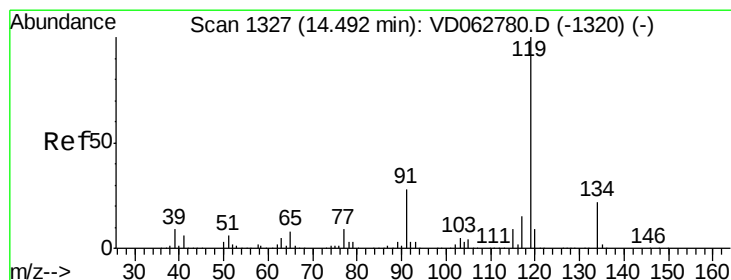
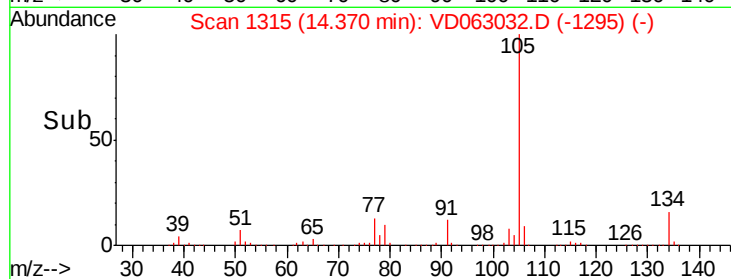
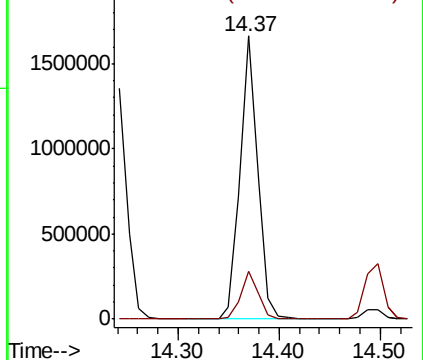
#85
 sec-Butylbenzene
 Concen: 53.781 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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

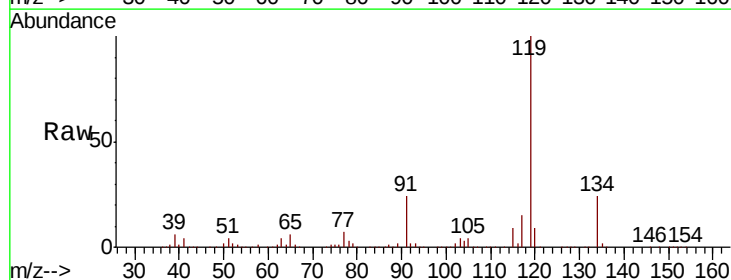


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

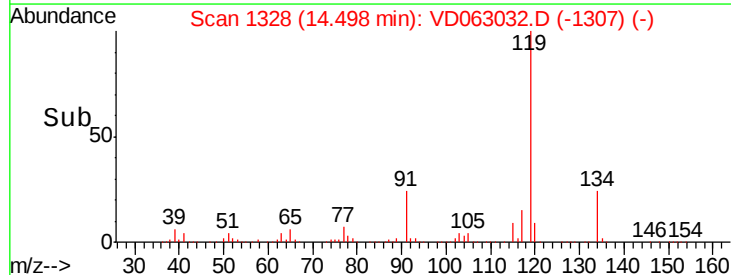
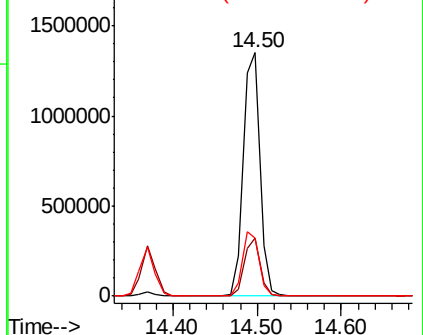


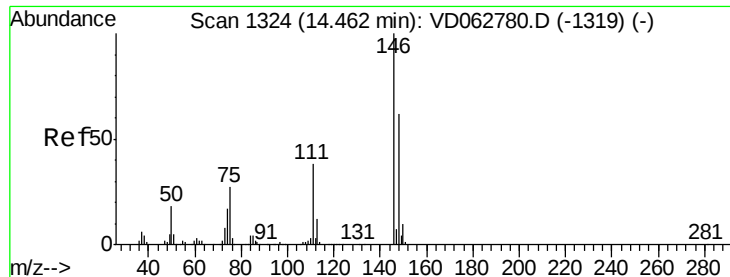
#86
 p-Isopropyltoluene
 Concen: 54.357 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

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



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

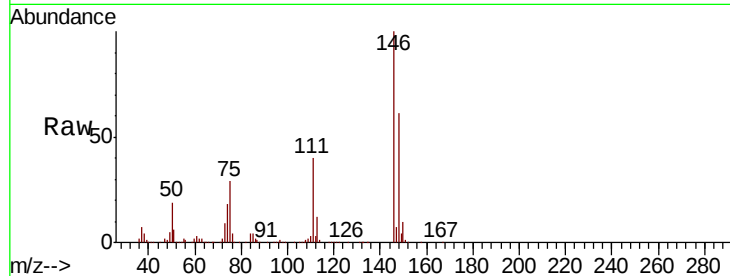




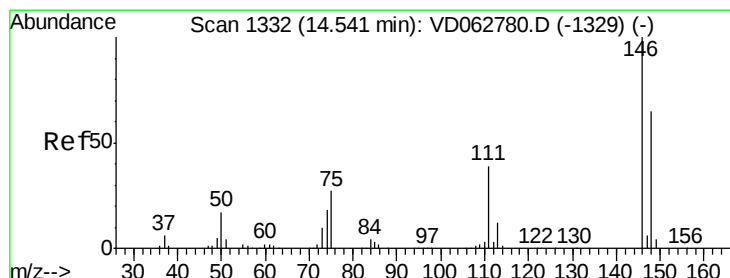
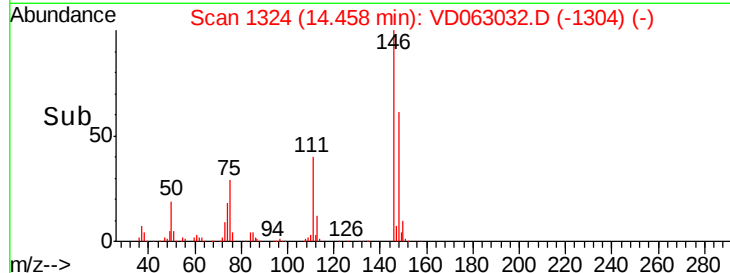
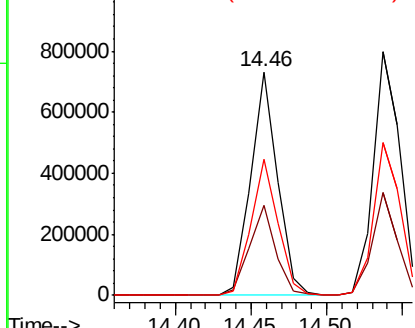
#87
 1,3-Dichlorobenzene
 Concen: 51.079 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

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

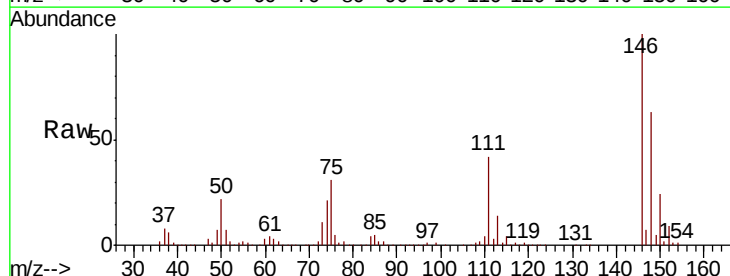


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

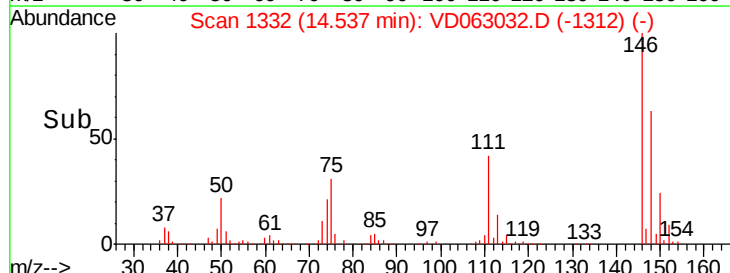
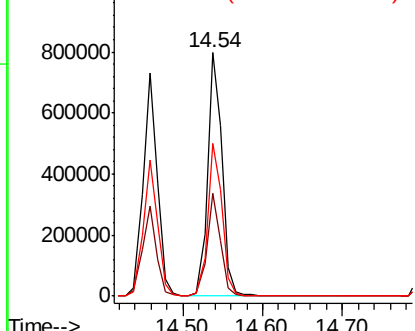


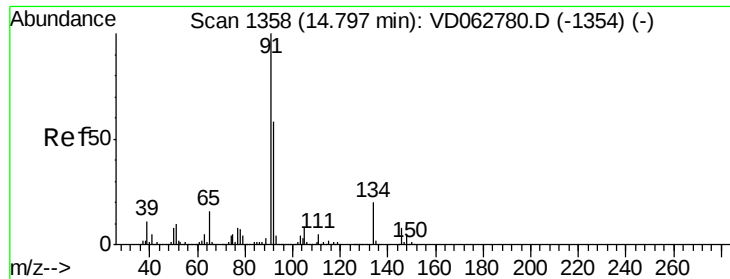
#88
 1,4-Dichlorobenzene
 Concen: 56.236 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

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

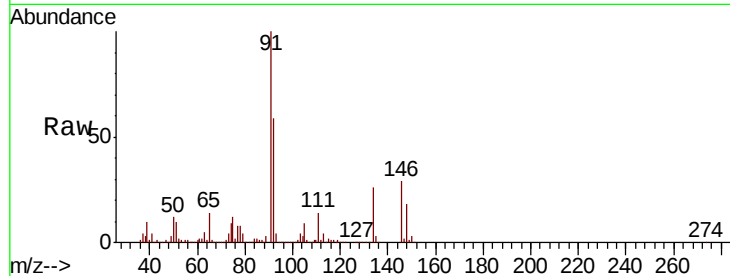
Tot Ion: 91 Resp: 1739895

Ion Ratio Lower Upper

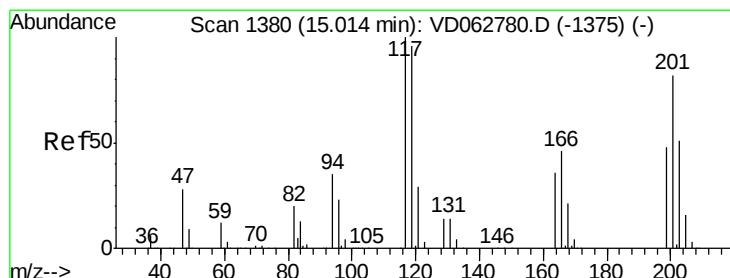
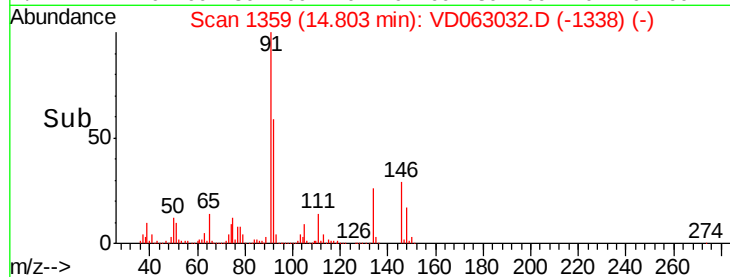
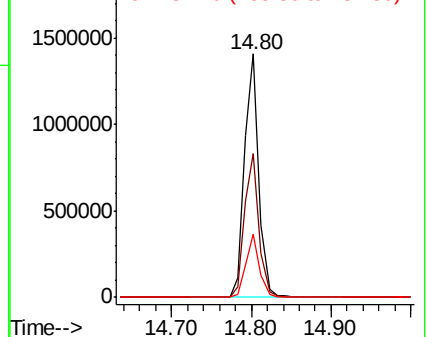
91 100

92 59.1 28.9 86.7

134 26.0 10.1 30.3



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



#90

Hexachloroethane

Concen: 57.395 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063032.D

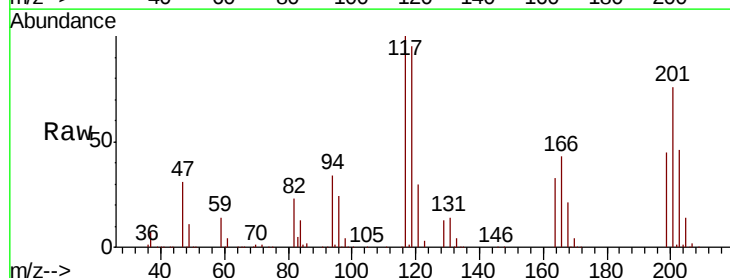
Acq: 8 Jul 2019 13:04

Tgt Ion: 117 Resp: 527493

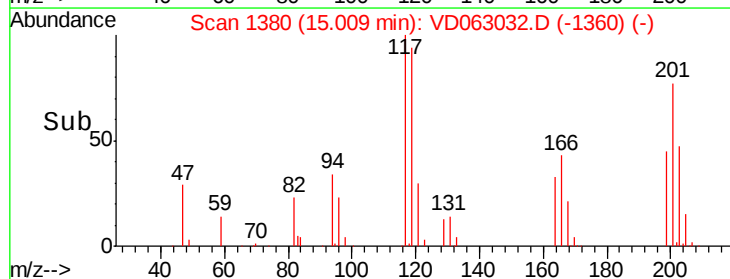
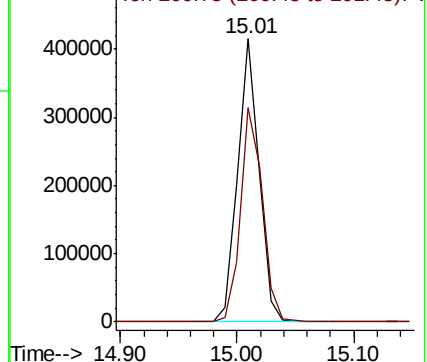
Ion Ratio Lower Upper

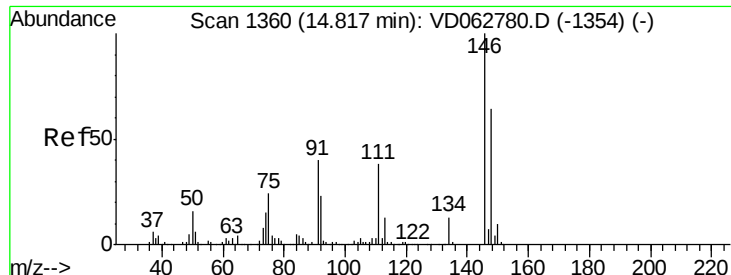
117 100

201 75.8 40.8 122.2



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

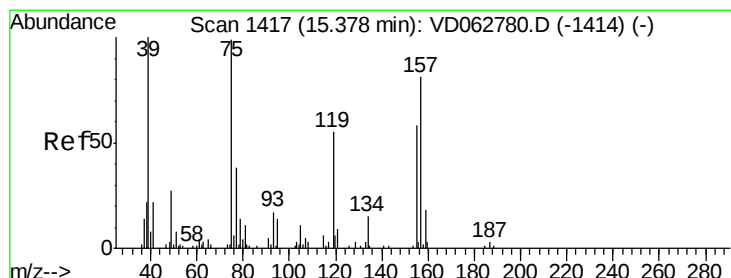
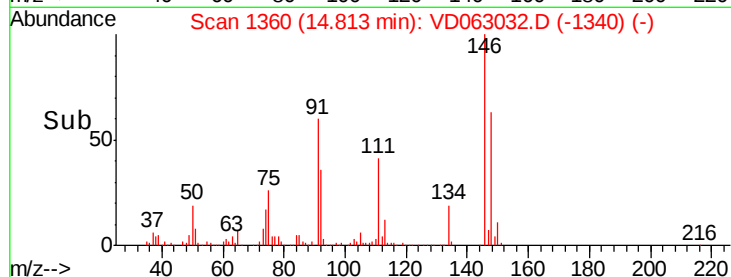
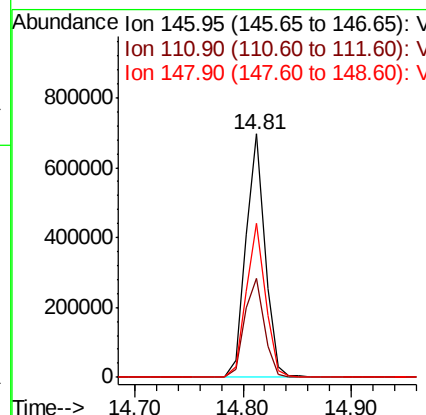
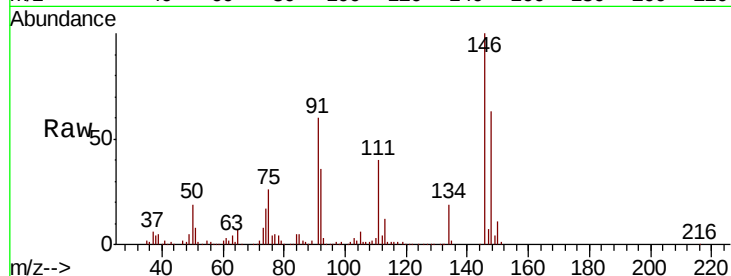




#91
 1,2-Dichlorobenzene
 Concen: 56.745 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

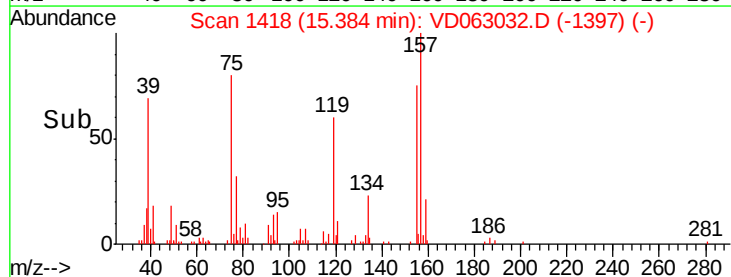
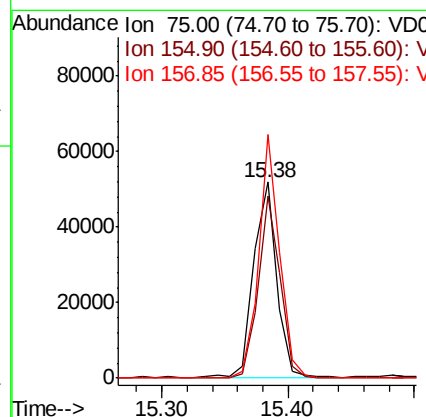
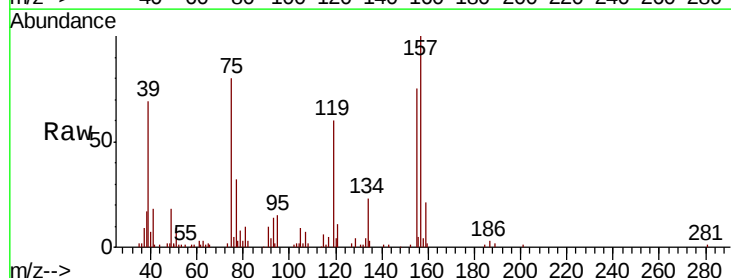
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

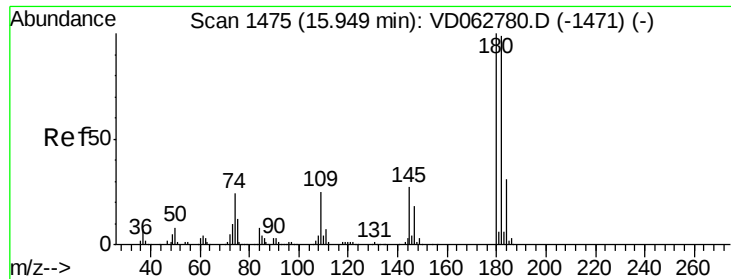
Tot Ion:146 Resp: 859506
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.1 57.1
 148 63.4 32.3 96.8



#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#

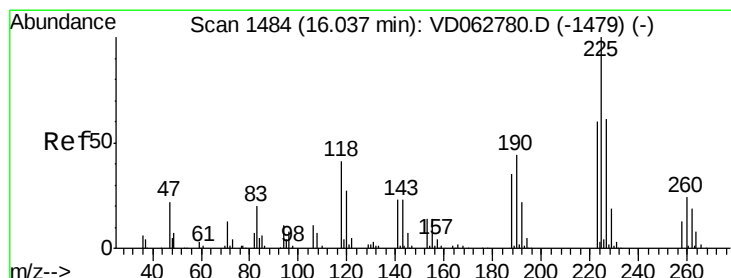
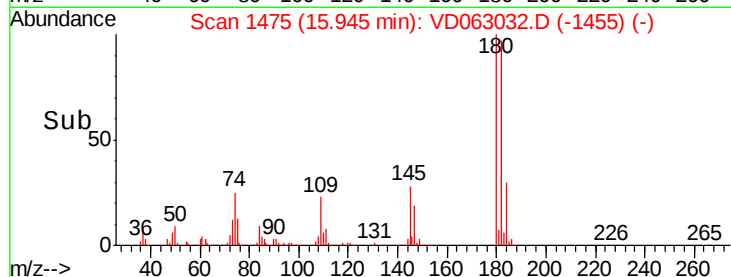
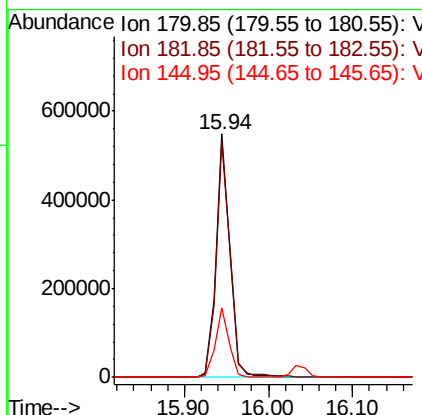
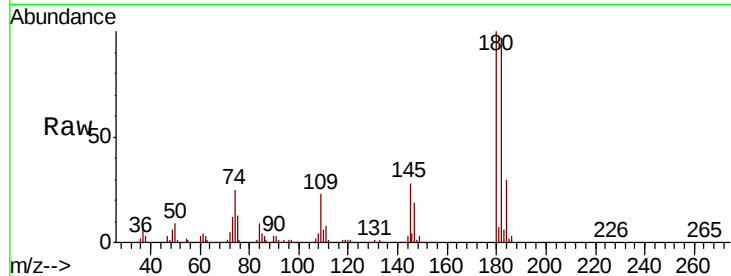




#93
 1,2,4-Trichlorobenzene
 Concen: 52.734 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD063032.D
 Acq: 8 Jul 2019 13:04

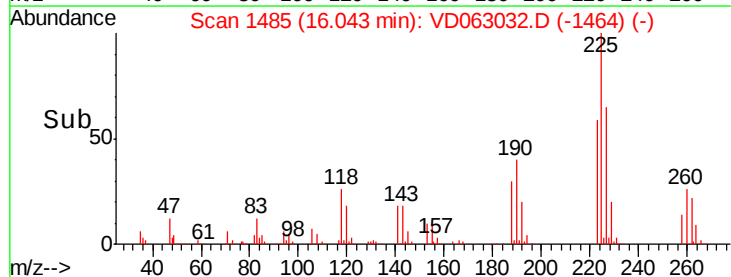
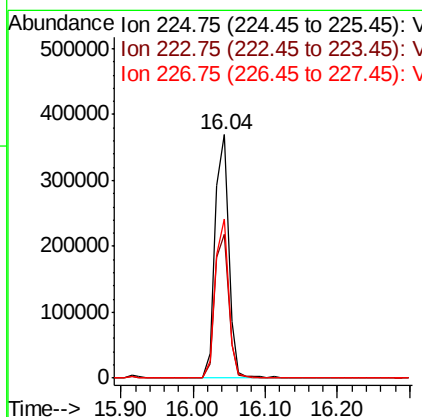
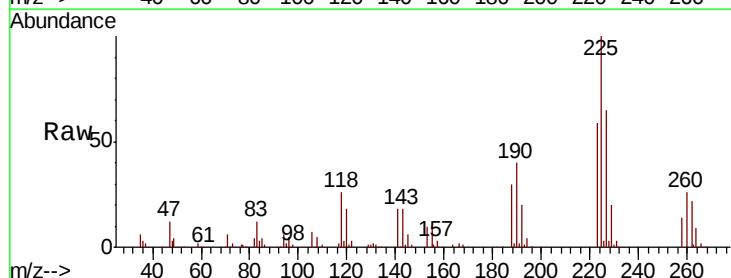
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

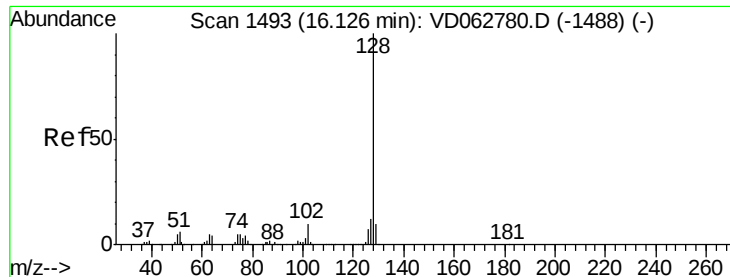
Tot Ion:180 Resp: 623957
 Ion Ratio Lower Upper
 180 100
 182 96.8 49.5 148.5
 145 28.4 13.7 41.0



#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

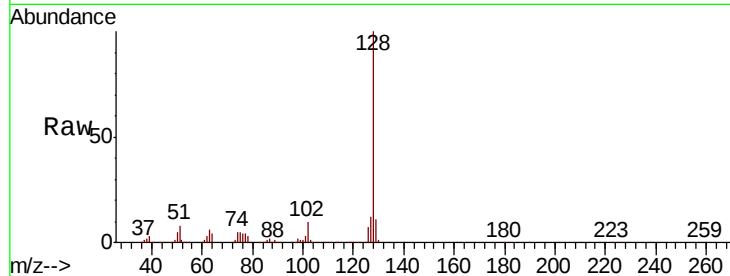
Tot Ion:128 Resp: 901956

Ion Ratio Lower Upper

128 100

127 12.4 9.7 14.5

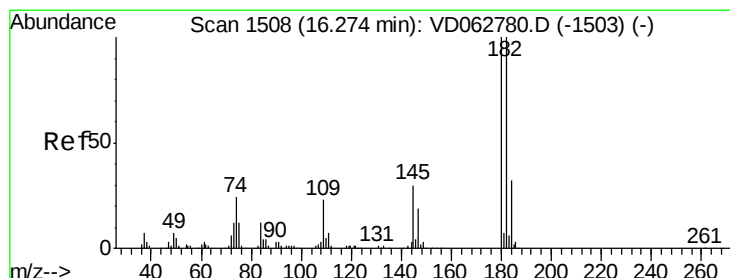
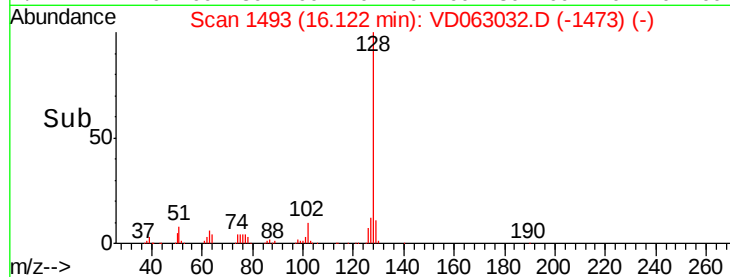
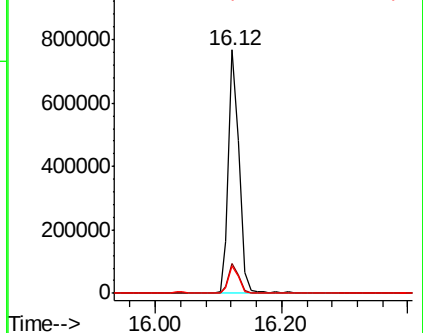
129 11.2 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#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

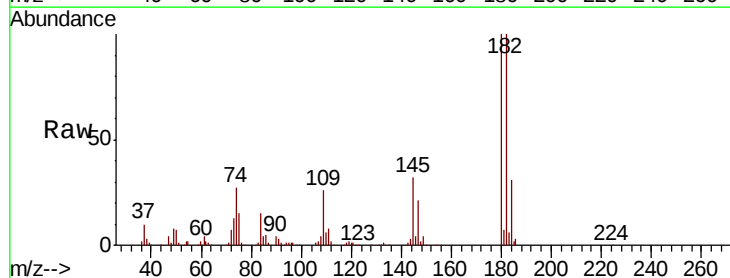
Tgt Ion:180 Resp: 474940

Ion Ratio Lower Upper

180 100

182 99.5 49.9 149.6

145 32.1 15.2 45.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

