

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062870.D
 Acq On : 25 Jun 2019 9:20
 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: Jun 26 05:32:08 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	7.06	168	917866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1272393	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1007007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	588335	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	461341	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
35) Dibromofluoromethane	6.93	113	502451	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	10.43	98	1119014	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	13.57	95	512624	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	562254	47.338	ug/l	99
3) Chloromethane	1.75	50	428221	47.939	ug/l	96
4) Vinyl Chloride	1.85	62	453043	51.153	ug/l	98
5) Bromomethane	2.16	94	175731	42.368	ug/l	98
6) Chloroethane	2.27	64	197103	49.156	ug/l #	89
7) Trichlorofluoromethane	2.54	101	952463	53.139	ug/l	100
8) Diethyl Ether	2.87	74	122158	53.639	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	511532	52.679	ug/l	97
10) Methyl Iodide	3.31	142	629605	49.146	ug/l	100
11) Tert butyl alcohol	4.10	59	109442	240.848	ug/l	100
12) 1,1-Dichloroethene	3.13	96	374794	51.451	ug/l	89
13) Acrolein	3.04	56	124706	268.826	ug/l	97
14) Allyl chloride	3.62	41	570882	53.038	ug/l	97
15) Acrylonitrile	4.20	53	287487	269.253	ug/l	94
16) Acetone	3.23	43	553658	274.327	ug/l	99
17) Carbon Disulfide	3.38	76	1129163	48.501	ug/l	97
18) Methyl Acetate	3.65	43	154335	51.243	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	888966	56.372	ug/l	98
20) Methylene Chloride	3.82	84	368853	48.476	ug/l	91
21) trans-1,2-Dichloroethene	4.22	96	415934	53.625	ug/l	96
22) Diisopropyl ether	5.13	45	1166002	53.268	ug/l	94
23) Vinyl Acetate	5.07	43	3770664	275.287	ug/l	99
24) 1,1-Dichloroethane	4.99	63	738089	51.789	ug/l	98
25) 2-Butanone	6.08	43	538928	288.812	ug/l #	92
26) 2,2-Dichloropropane	6.03	77	847039	56.072	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	450733	54.952	ug/l	94
28) Bromochloromethane	6.45	49	235433	46.904	ug/l	88
29) Tetrahydrofuran	6.48	42	240823	272.769	ug/l	97
30) Chloroform	6.67	83	914500	52.763	ug/l	93
31) Cyclohexane	6.97	56	500812	53.453	ug/l	91
32) 1,1,1-Trichloroethane	6.88	97	961664	53.269	ug/l	96
36) 1,1-Dichloropropene	7.16	75	597033	49.567	ug/l	93
37) Ethyl Acetate	6.20	43	251646	49.729	ug/l	98
38) Carbon Tetrachloride	7.12	117	1029684	56.841	ug/l	98

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 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)
39) Methylcyclohexane	8.88	83	510065	48.108	ug/l	95
40) Benzene	7.47	78	1234589	51.062	ug/l	98
41) Methacrylonitrile	6.46	41	332444	52.336	ug/l	98
42) 1,2-Dichloroethane	7.59	62	694224	52.634	ug/l	98
43) Isopropyl Acetate	9.25	43	355309	56.266	ug/l	98
44) Trichloroethene	8.55	130	496626	52.393	ug/l	97
45) 1,2-Dichloropropane	8.95	63	318083	52.908	ug/l	95
46) Dibromomethane	9.08	93	269339	52.153	ug/l	92
47) Bromodichloromethane	9.38	83	711642	53.058	ug/l	98
48) Methyl methacrylate	9.14	41	228747	50.974	ug/l	94
49) 1,4-Dioxane	9.10	88	44325	1187.247	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	1156195	258.244	ug/l	98
52) Toluene	10.52	92	823399	50.663	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	583831	53.182	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	631712	52.942	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	278545	49.885	ug/l	98
56) Ethyl methacrylate	11.06	69	306701	51.397	ug/l	99
57) 1,3-Dichloropropane	11.42	76	451249	52.780	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	844963	275.815	ug/l	99
59) 2-Hexanone	11.54	43	881242	276.375	ug/l	96
60) Dibromochloromethane	11.69	129	548755	52.762	ug/l	93
61) 1,2-Dibromoethane	11.81	107	362754	55.007	ug/l	97
64) Tetrachloroethene	11.27	164	427352	51.563	ug/l	97
65) Chlorobenzene	12.40	112	1051372	56.256	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	489218	55.974	ug/l	94
67) Ethyl Benzene	12.53	91	1872104	55.794	ug/l	99
68) m/p-Xylenes	12.68	106	1304325	111.609	ug/l	92
69) o-Xylene	13.05	106	651397	60.974	ug/l	98
70) Styrene	13.07	104	1072211	57.140	ug/l	97
71) Bromoform	13.24	173	349579	58.378	ug/l #	96
73) Isopropylbenzene	13.41	105	1885330	49.978	ug/l	100
74) N-amyl acetate	13.27	43	489068	53.386	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	316360	51.471	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	347544	51.170	ug/l	96
77) Bromobenzene	13.67	156	523804	51.625	ug/l	92
78) n-propylbenzene	13.78	91	2287907	52.109	ug/l	98
79) 2-Chlorotoluene	13.85	91	1240773	49.450	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	1502496	47.418	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	90653	50.927	ug/l	92
82) 4-Chlorotoluene	13.95	91	1451516	48.051	ug/l	96
83) tert-Butylbenzene	14.20	119	1867869	52.886	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1708989	52.622	ug/l	99
85) sec-Butylbenzene	14.37	105	1974157	51.428	ug/l	96
86) p-Isopropyltoluene	14.49	119	1748104	49.779	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	939593	51.660	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	944198	51.686	ug/l	98
89) n-Butylbenzene	14.81	91	1751766	53.296	ug/l	93
90) Hexachloroethane	15.01	117	497006	52.637	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	830234	53.352	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	61417	51.196	ug/l #	51

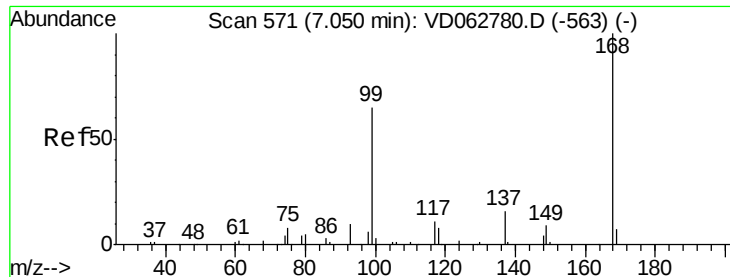
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	651415	53.588	ug/l	97
94) Hexachlorobutadiene	16.05	225	478461	51.522	ug/l	96
95) Naphthalene	16.12	128	847030	49.715	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	453920	48.600	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

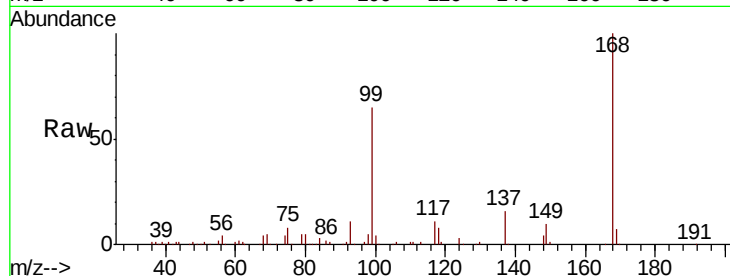
VSTDCCC050

Tot Ion:168 Resp: 917866

Ion Ratio Lower Upper

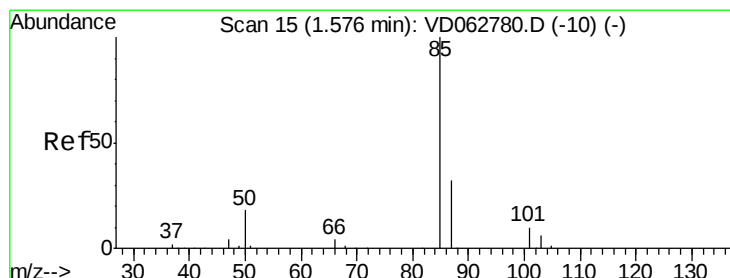
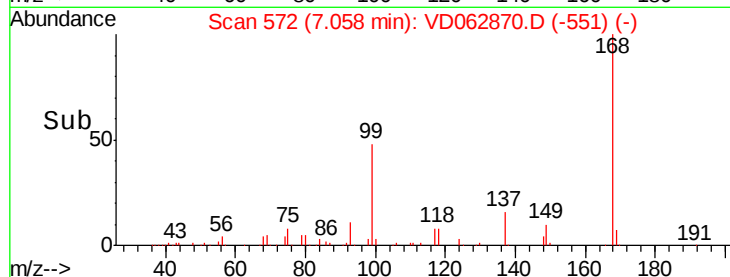
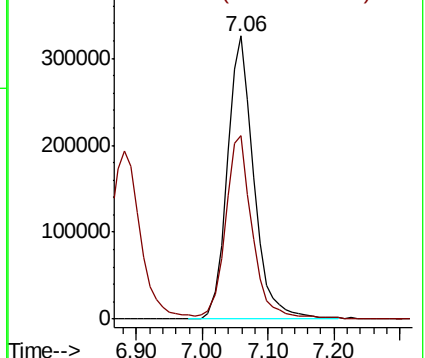
168 100

99 65.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.338 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062870.D

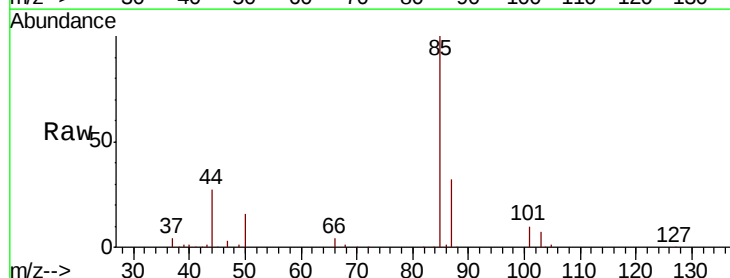
Acq: 25 Jun 2019 9:20

Tgt Ion: 85 Resp: 562254

Ion Ratio Lower Upper

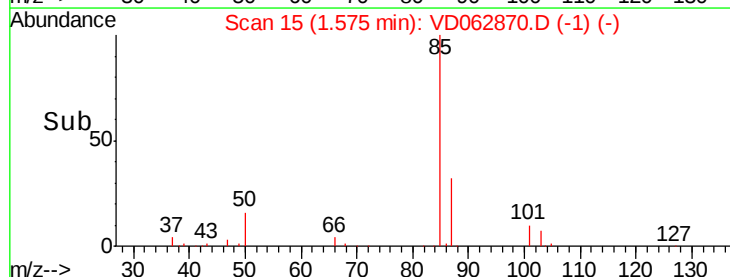
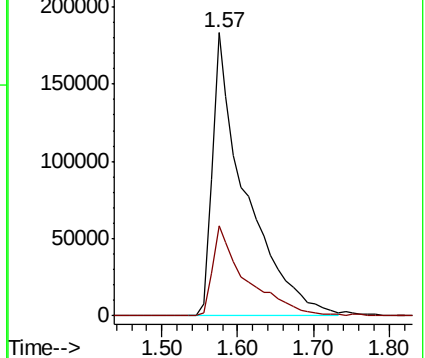
85 100

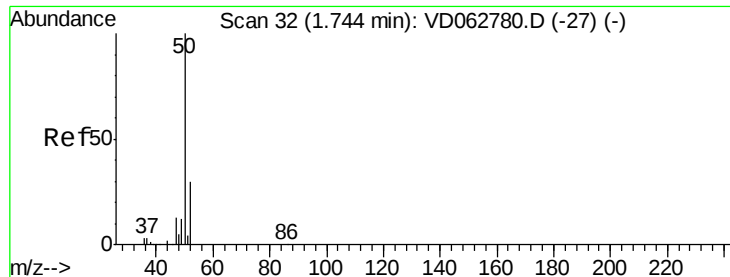
87 32.0 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.939 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

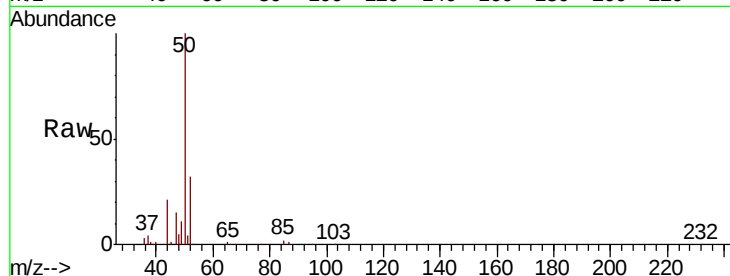
VSTDCCC050

Tot Ion: 50 Resp: 428221

Ion Ratio Lower Upper

50 100

52 31.9 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

120000

100000

80000

60000

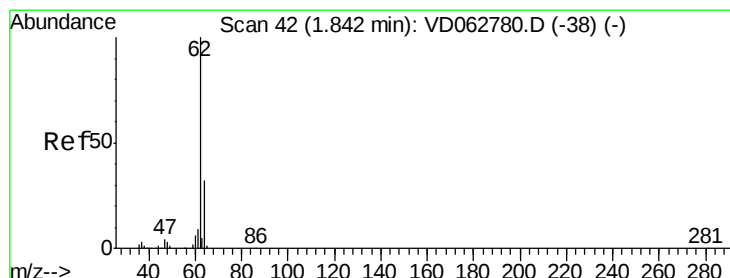
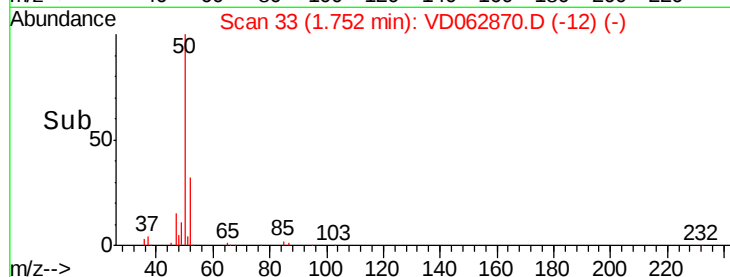
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 51.153 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062870.D

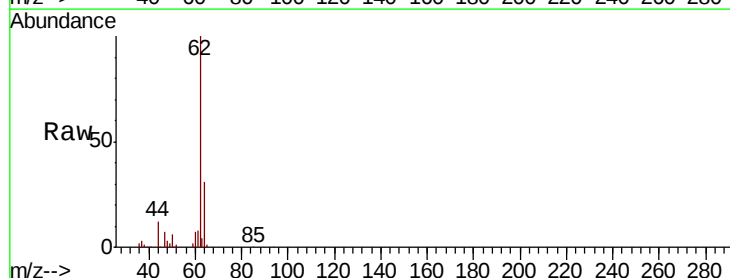
Acq: 25 Jun 2019 9:20

Tgt Ion: 62 Resp: 453043

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

200000

150000

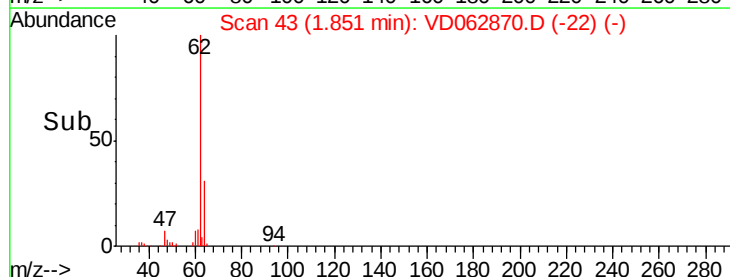
100000

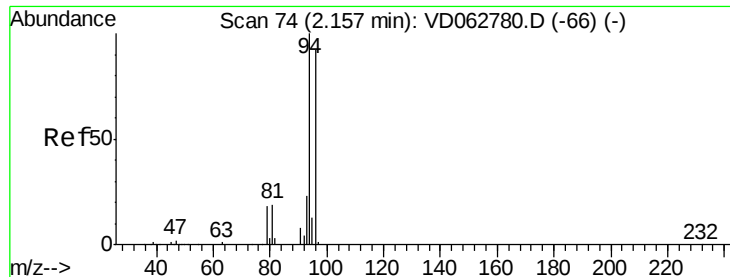
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 42.368 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

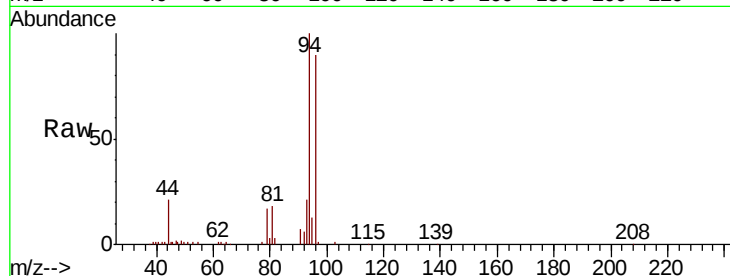
Tot Ion: 94 Resp: 175731

Ion Ratio Lower Upper

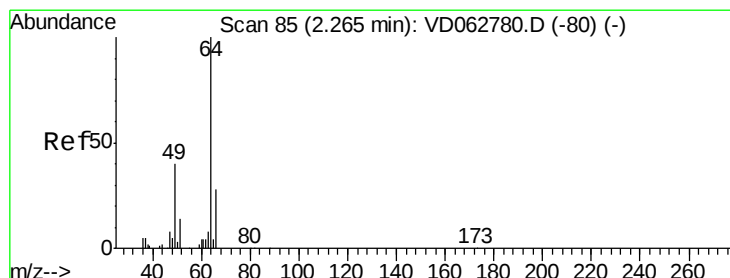
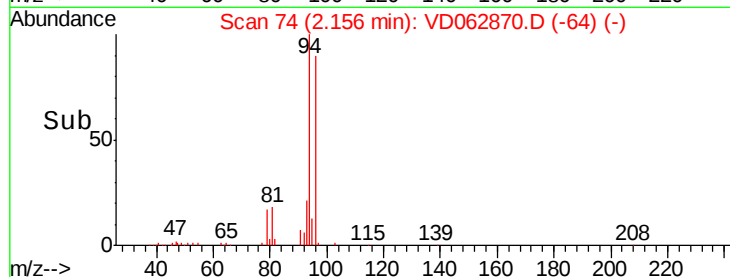
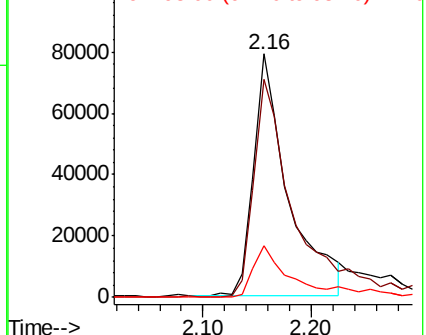
94 100

96 89.8 73.4 110.2

93 21.0 18.2 27.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 49.156 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062870.D

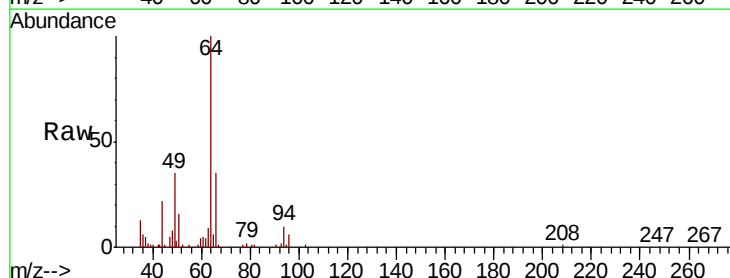
Acq: 25 Jun 2019 9:20

Tgt Ion: 64 Resp: 197103

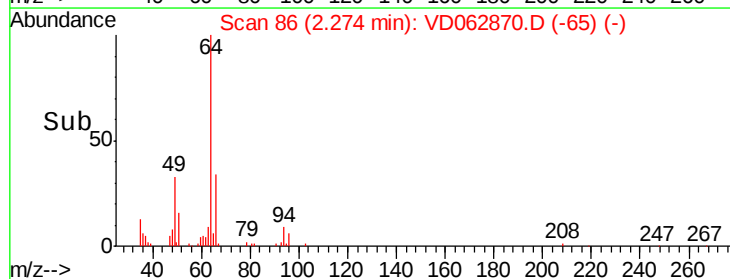
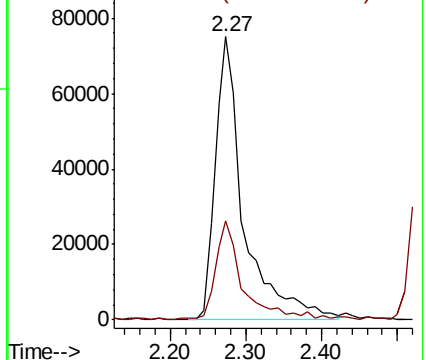
Ion Ratio Lower Upper

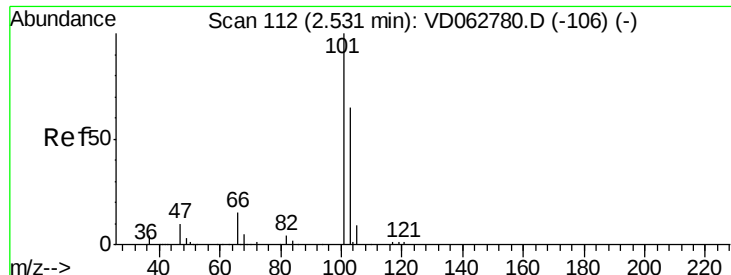
64 100

66 34.8 23.0 34.4#



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



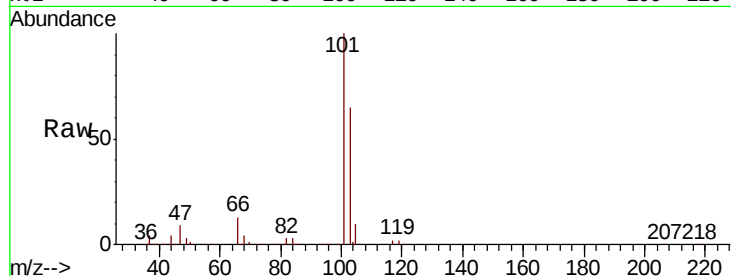


#7

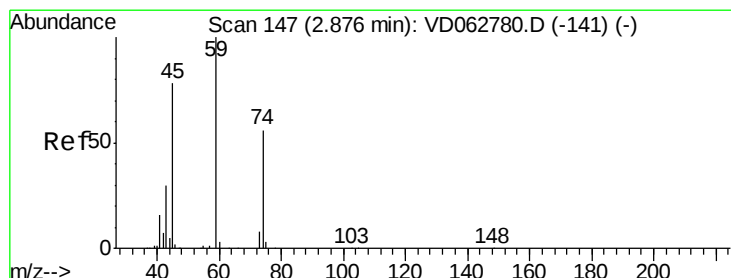
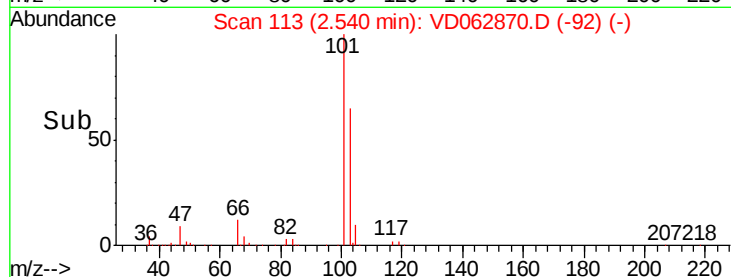
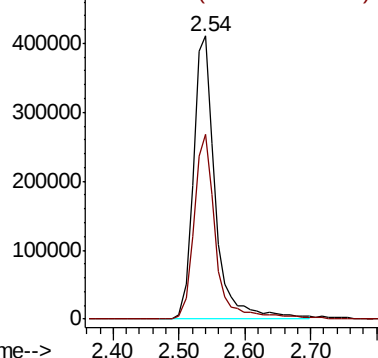
Trichlorofluoromethane
 Concen: 53.139 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

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 VSTDCCC050

Tot Ion:101 Resp: 952463
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.8 77.8



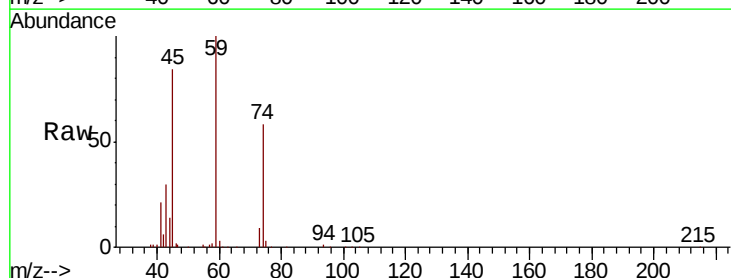
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



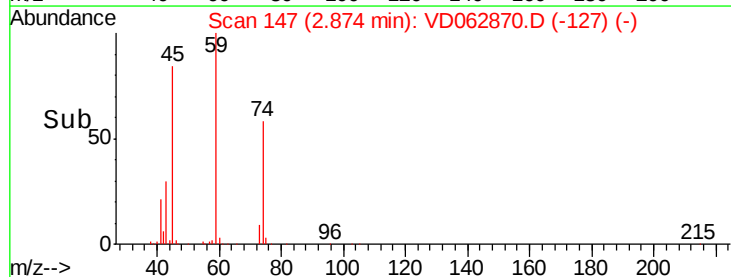
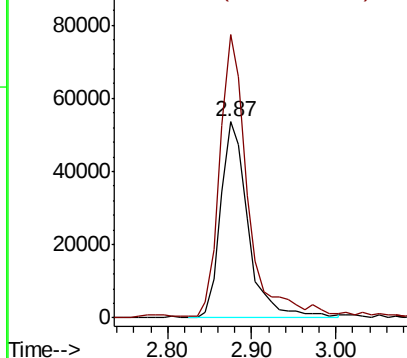
#8

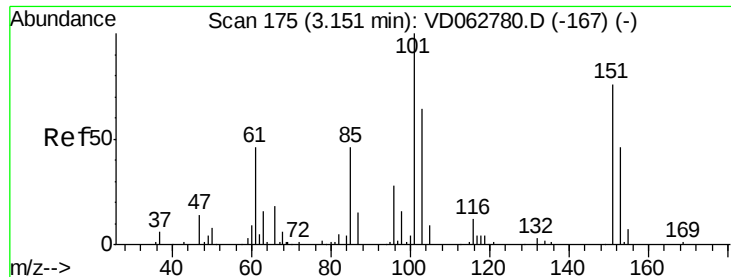
Diethyl Ether
 Concen: 53.639 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion: 74 Resp: 122158
 Ion Ratio Lower Upper
 74 100
 45 144.2 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: 52.679 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

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MSVOA_D

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VSTDCCC050

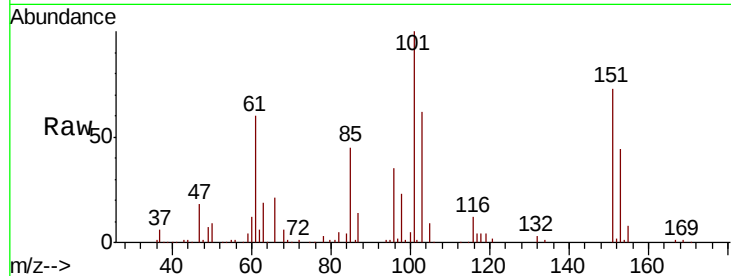
Tot Ion:101 Resp: 511532

Ion Ratio Lower Upper

101 100

85 45.2 37.0 55.4

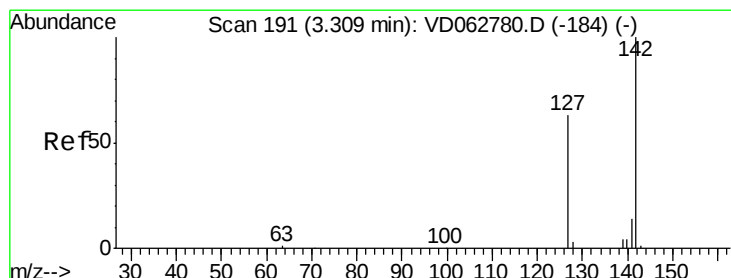
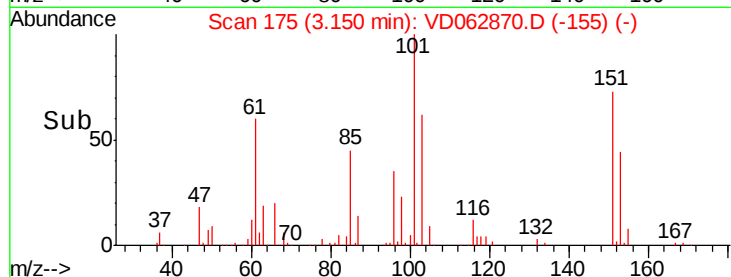
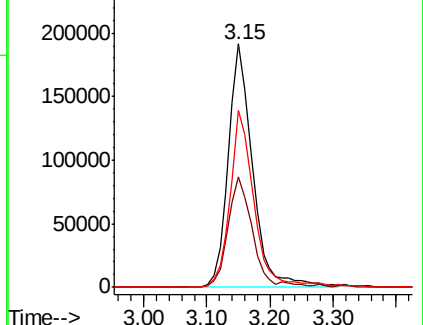
151 72.6 60.5 90.7



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: 49.146 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

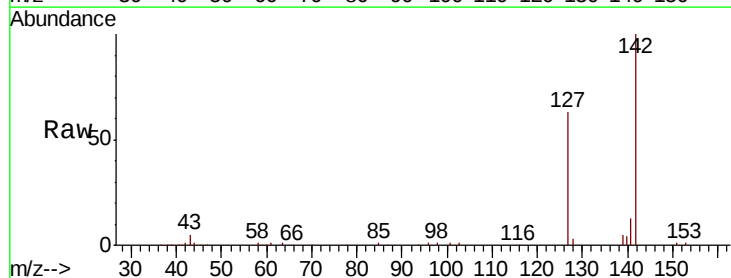
Tgt Ion:142 Resp: 629605

Ion Ratio Lower Upper

142 100

127 62.6 50.1 75.1

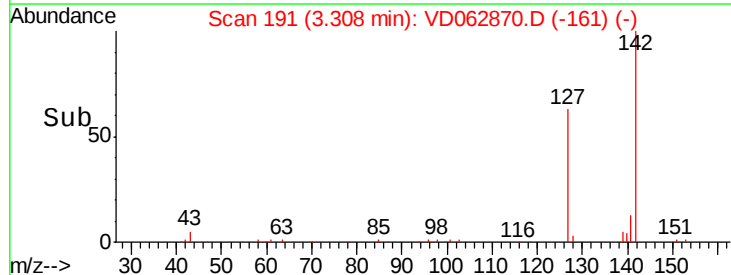
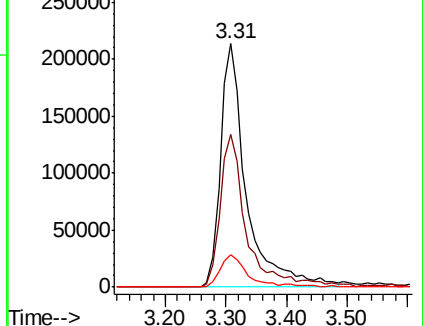
141 13.4 11.0 16.4



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



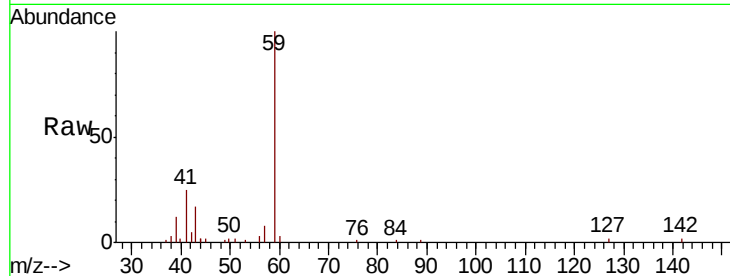


#11

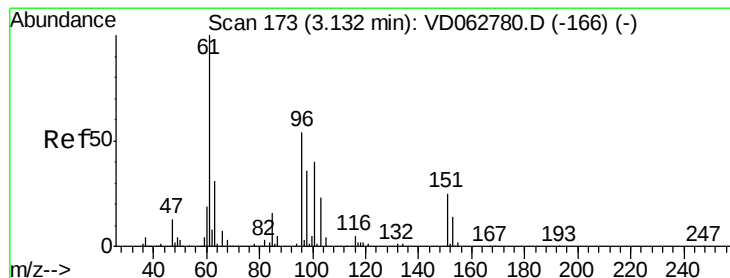
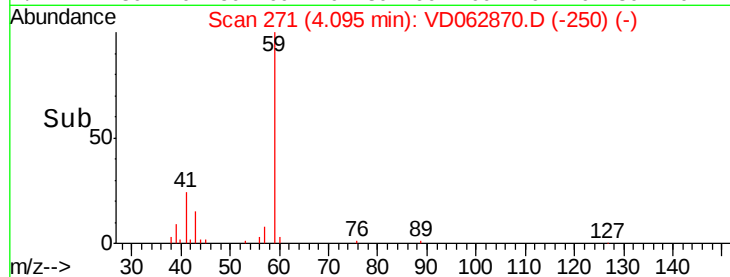
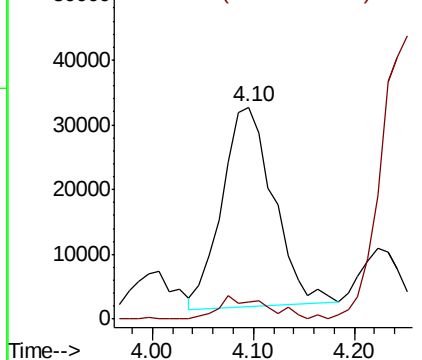
Tert butyl alcohol
 Concen: 240.848 ug/l
 RT: 4.10 min Scan# 271
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 109442
 Ion Ratio Lower Upper
 59 100
 57 8.3 6.6 10.0



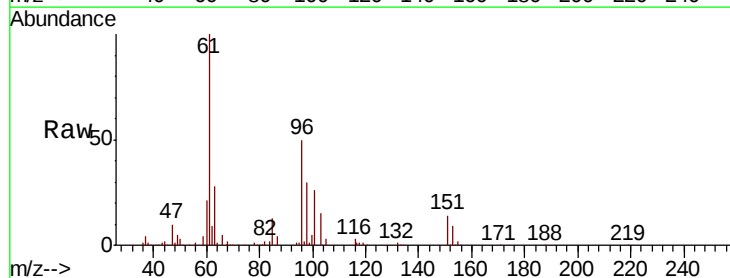
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



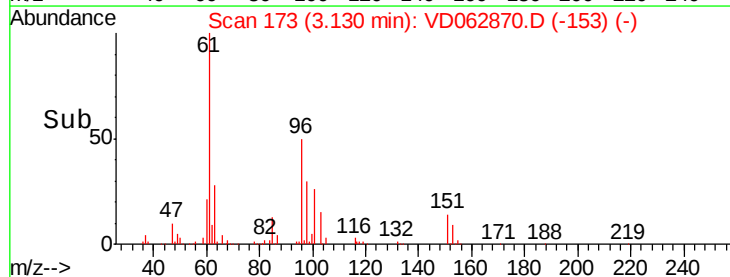
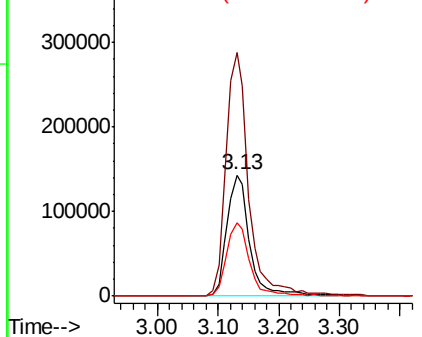
#12

1,1-Dichloroethene
 Concen: 51.451 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion: 96 Resp: 374794
 Ion Ratio Lower Upper
 96 100
 61 201.4 147.1 220.7
 98 60.3 52.6 79.0



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

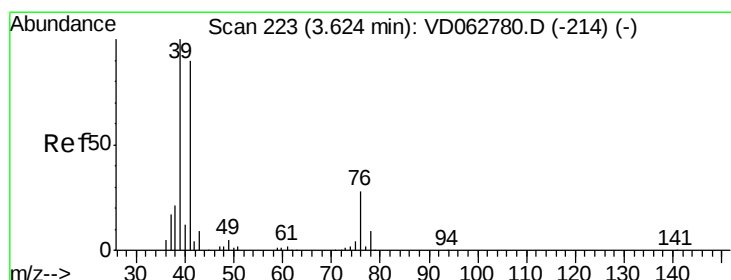
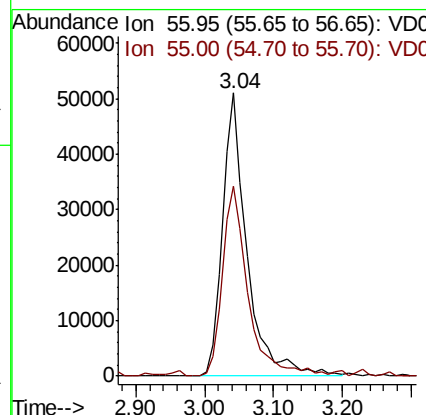
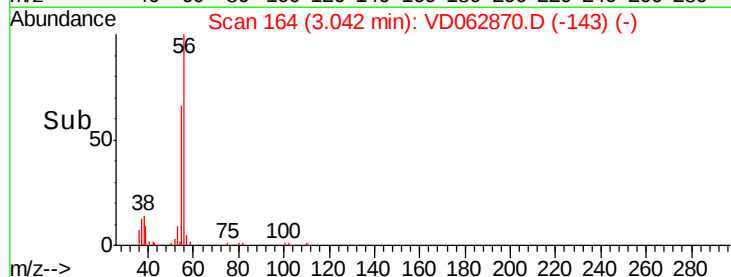
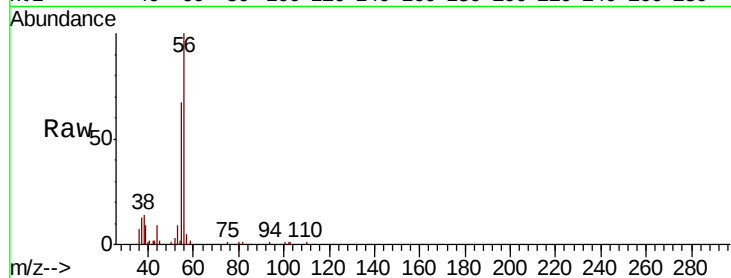




#13
Acrolein
Concen: 268.826 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

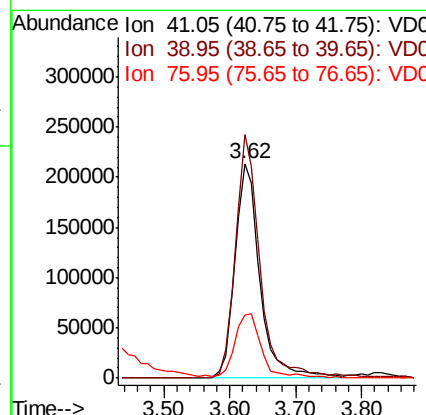
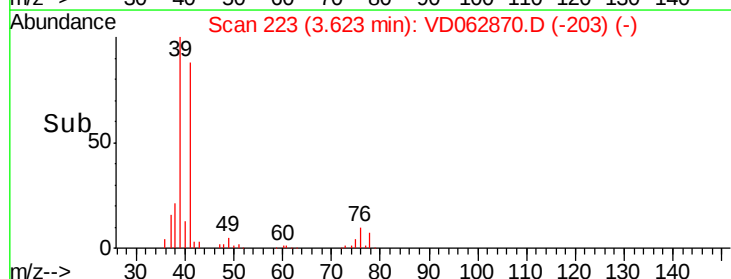
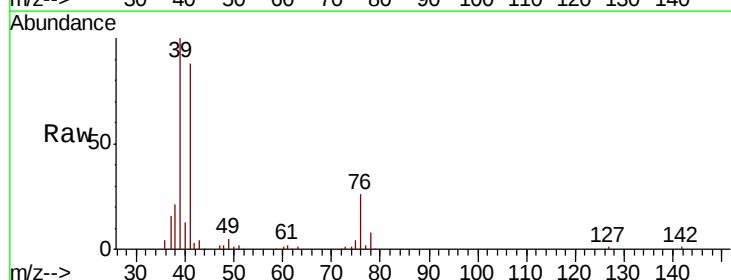
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

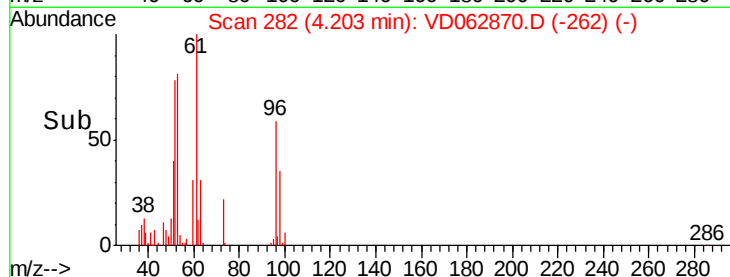
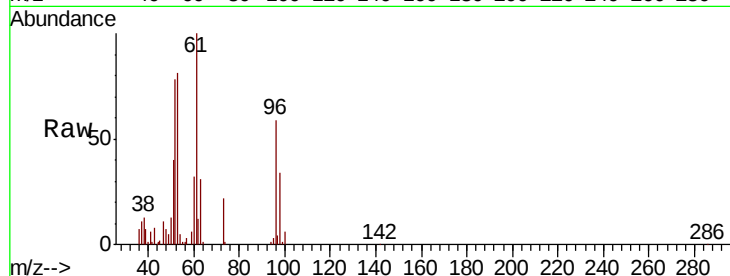
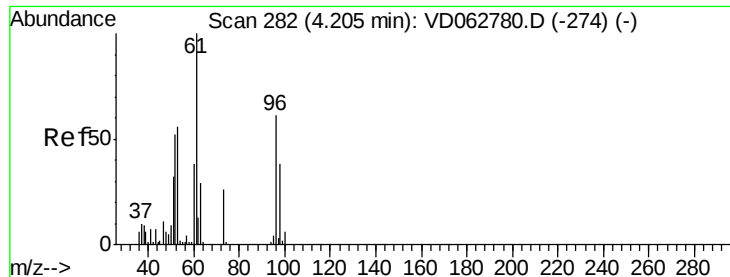
Tot Ion: 56 Resp: 124706
Ion Ratio Lower Upper
56 100
55 67.1 55.4 83.0



#14
Allyl chloride
Concen: 53.038 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion: 41 Resp: 570882
Ion Ratio Lower Upper
41 100
39 113.5 88.8 133.2
76 29.7 26.7 40.1





#15

Acrylonitrile

Concen: 269.253 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

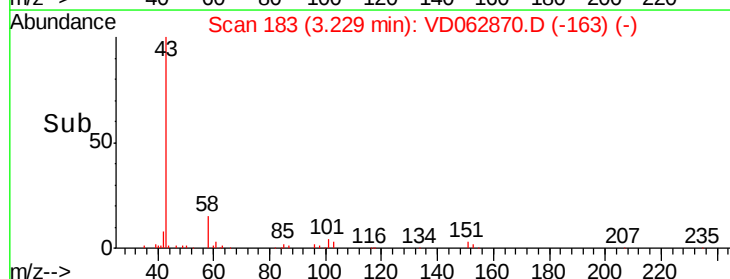
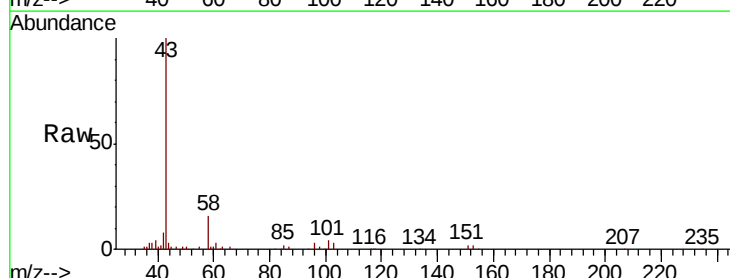
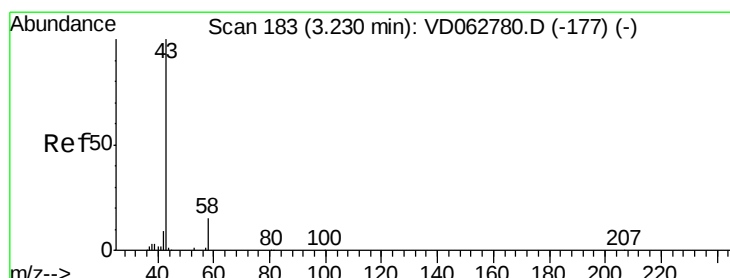
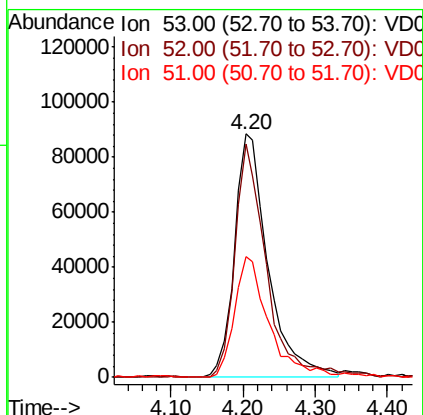
Tot Ion: 53 Resp: 287487

Ion Ratio Lower Upper

53 100

52 95.8 73.3 109.9

51 49.4 44.8 67.2



#16

Acetone

Concen: 274.327 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062870.D

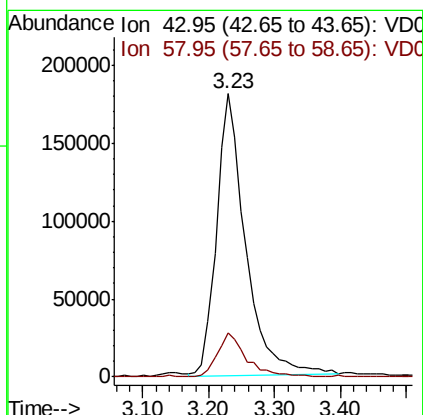
Acq: 25 Jun 2019 9:20

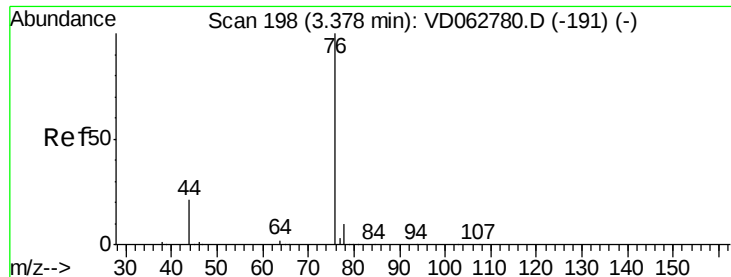
Tgt Ion: 43 Resp: 553658

Ion Ratio Lower Upper

43 100

58 15.5 11.9 17.9

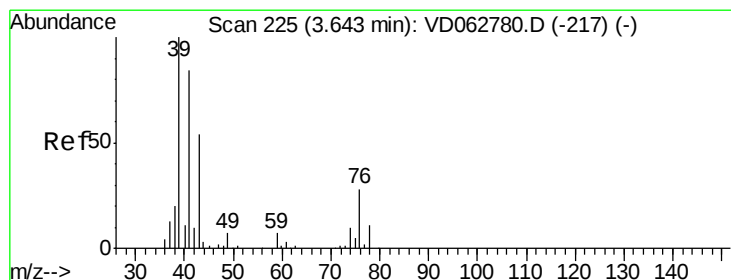
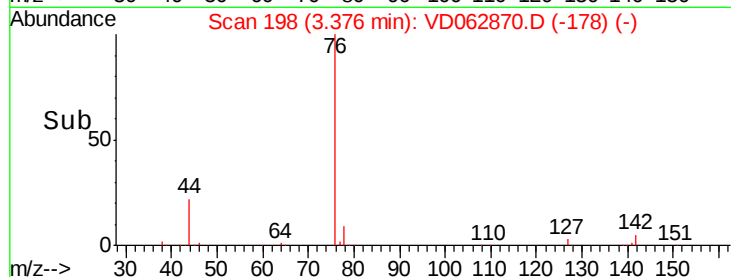
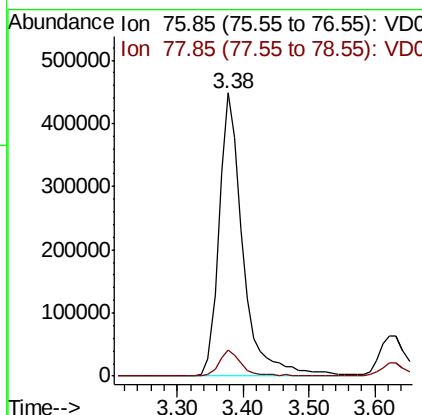
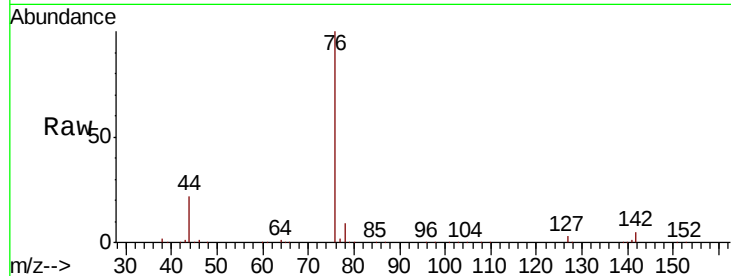




#17
Carbon Disulfide
Concen: 48.501 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

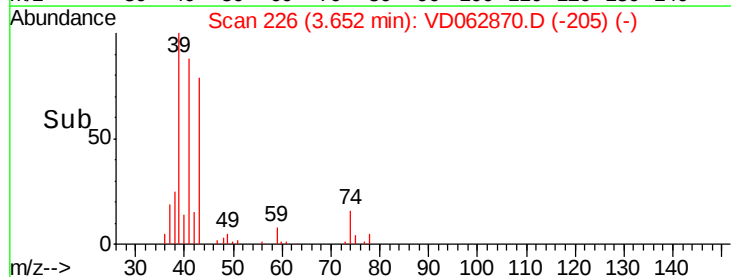
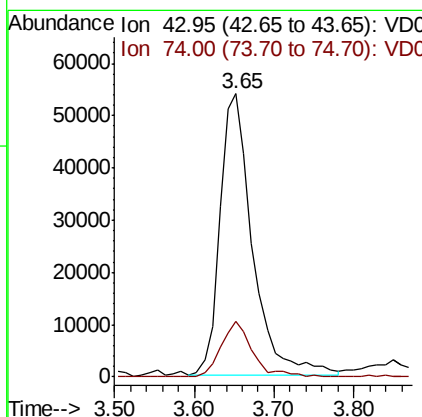
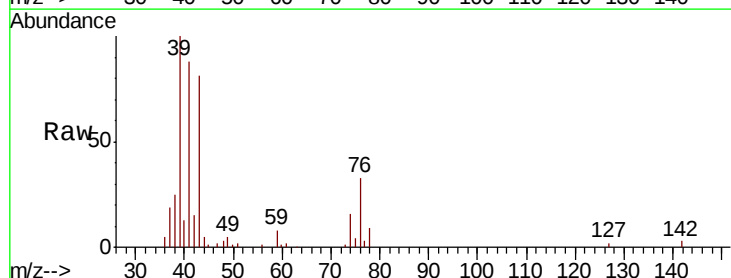
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

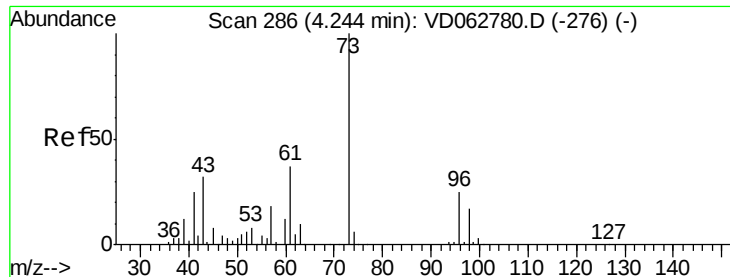
Tot Ion: 76 Resp: 1129163
Ion Ratio Lower Upper
76 100
78 9.0 8.0 12.0



#18
Methyl Acetate
Concen: 51.243 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion: 43 Resp: 154335
Ion Ratio Lower Upper
43 100
74 19.7 15.2 22.8



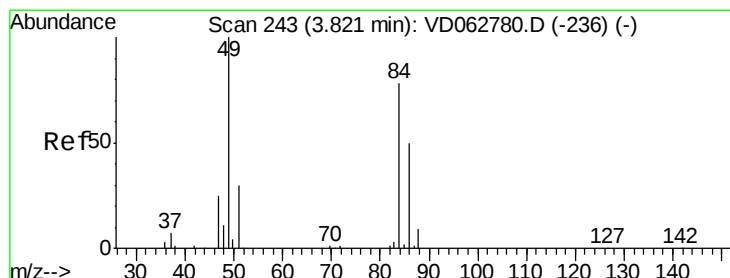
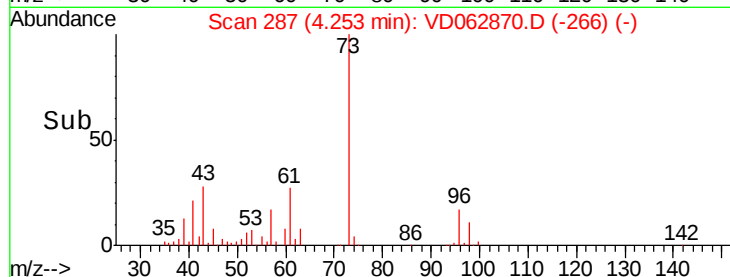
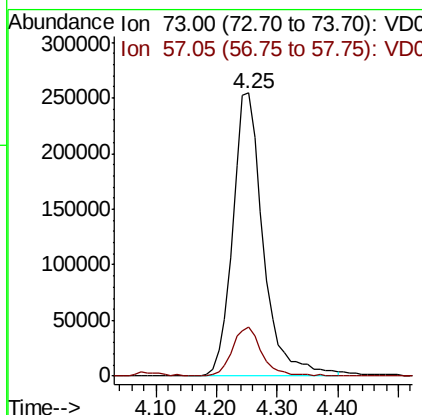
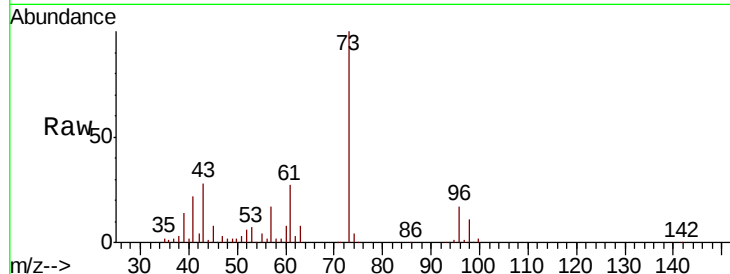


#19

Methyl tert-butyl Ether
 Concen: 56.372 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

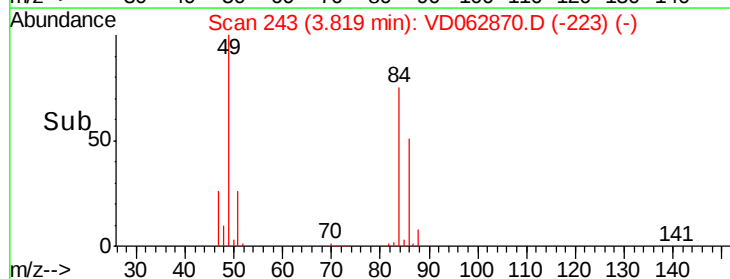
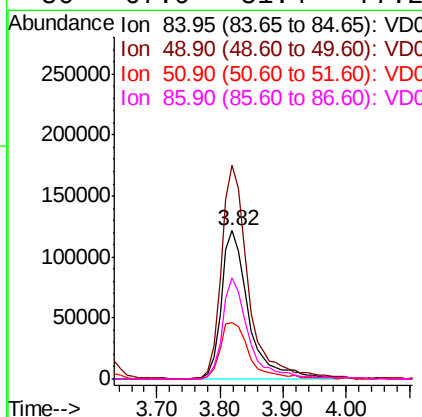
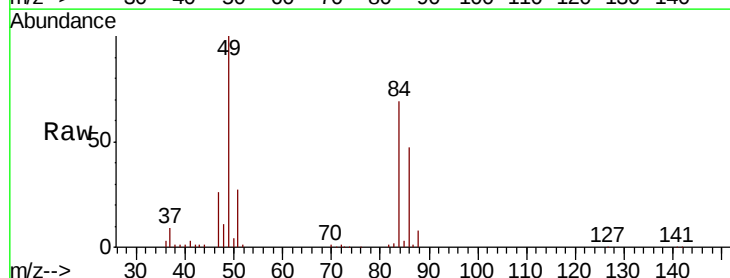
Tot Ion: 73 Resp: 888966
 Ion Ratio Lower Upper
 73 100
 57 17.2 14.3 21.5



#20

Methylene Chloride
 Concen: 48.476 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion: 84 Resp: 368853
 Ion Ratio Lower Upper
 84 100
 49 144.0 102.9 154.3
 51 38.4 31.2 46.8
 86 67.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 53.625 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

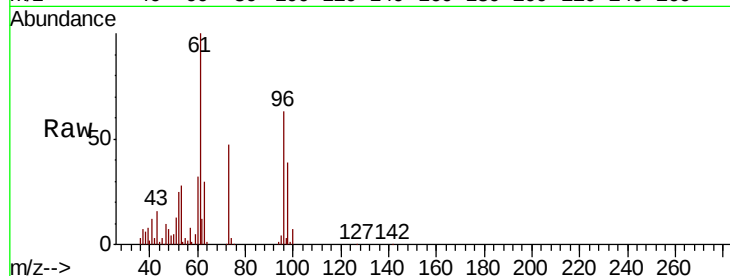
Tot Ion: 96 Resp: 415934

Ion Ratio Lower Upper

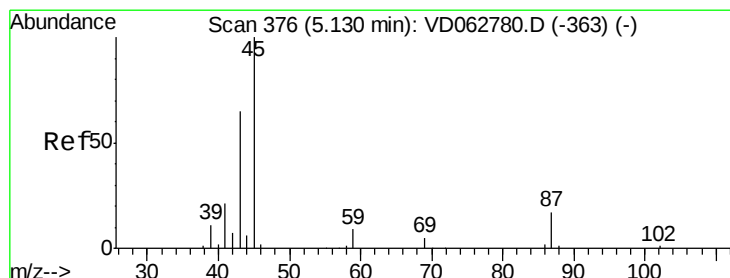
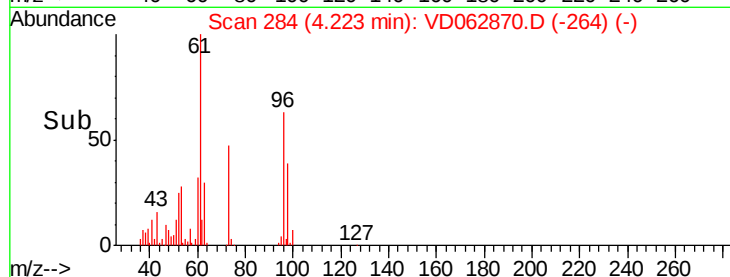
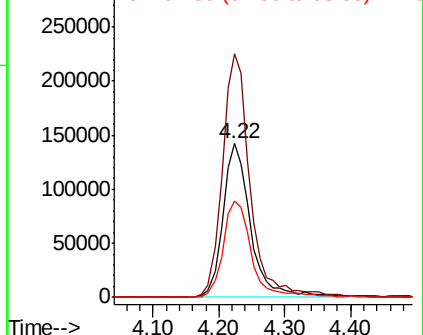
96 100

61 158.3 131.0 196.4

98 62.4 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: 53.268 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Tgt Ion: 45 Resp: 1166002

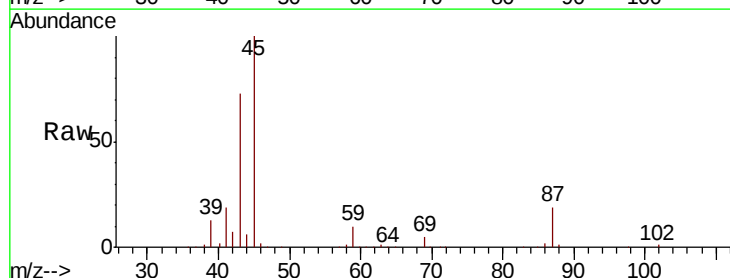
Ion Ratio Lower Upper

45 100

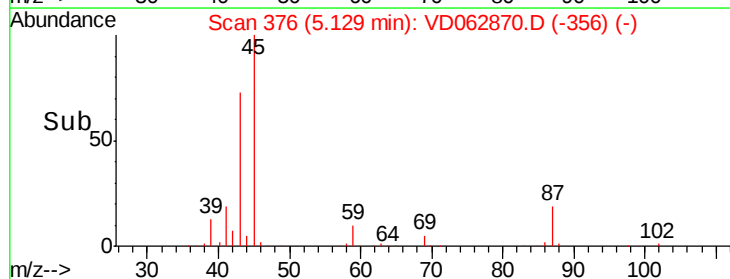
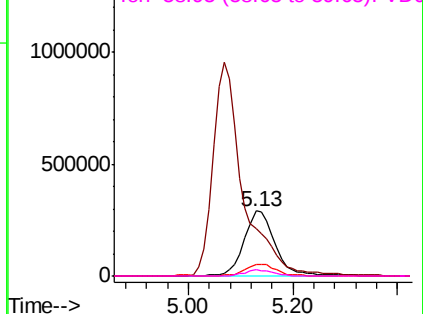
43 73.4 53.4 80.0

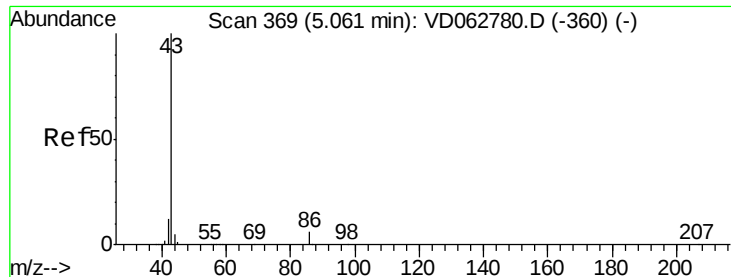
87 18.6 14.6 22.0

59 9.8 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: 275.287 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

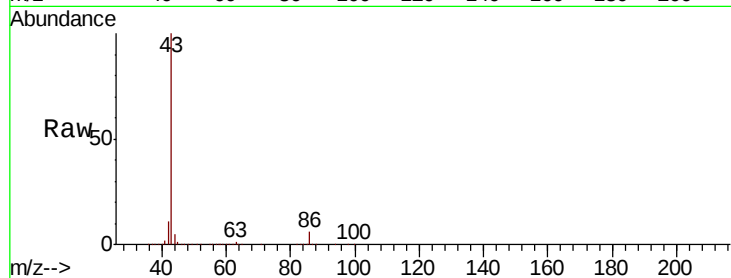
VSTDCCC050

Tot Ion: 43 Resp: 3770664

Ion Ratio Lower Upper

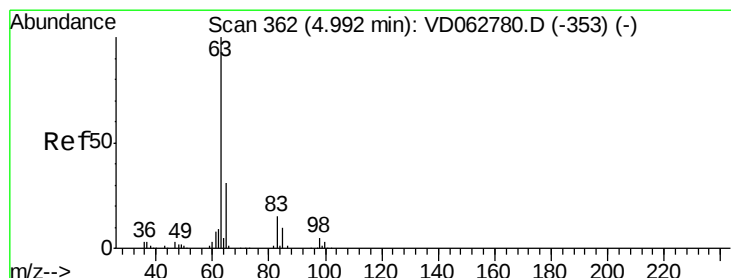
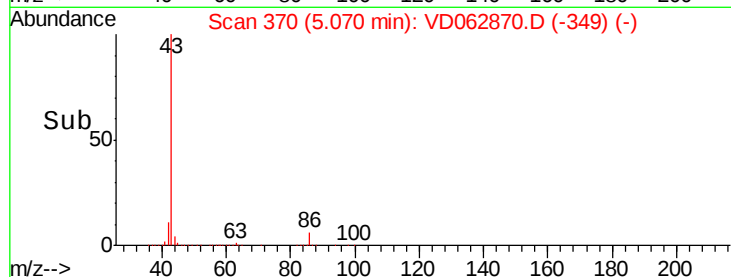
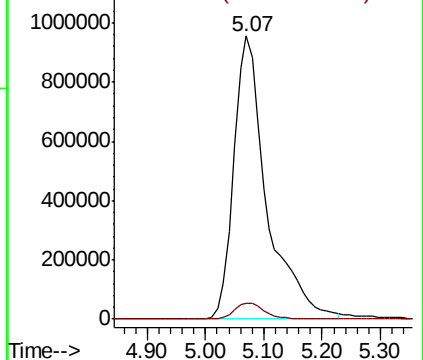
43 100

86 5.6 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: 51.789 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

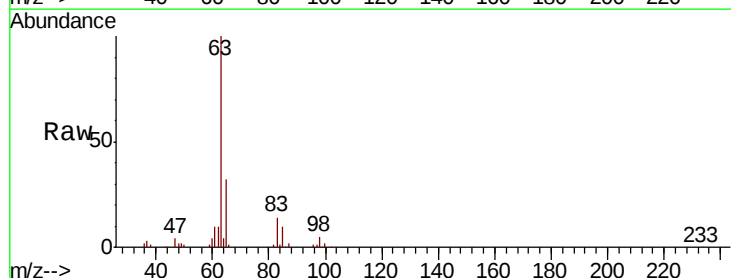
Tgt Ion: 63 Resp: 738089

Ion Ratio Lower Upper

63 100

98 4.7 2.3 6.9

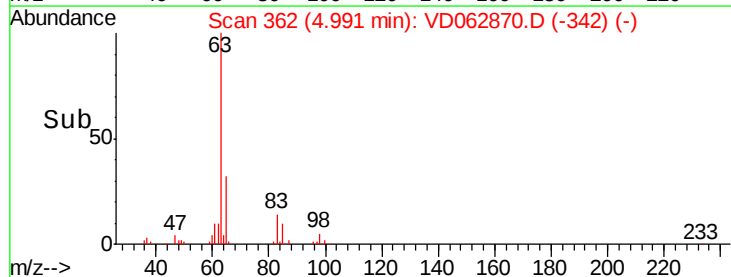
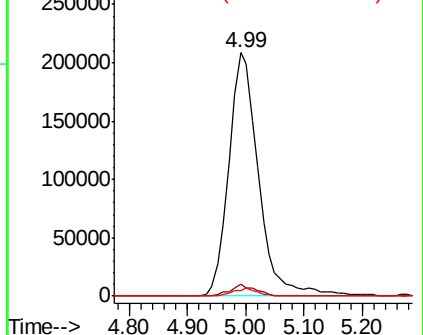
100 2.3 1.7 5.1

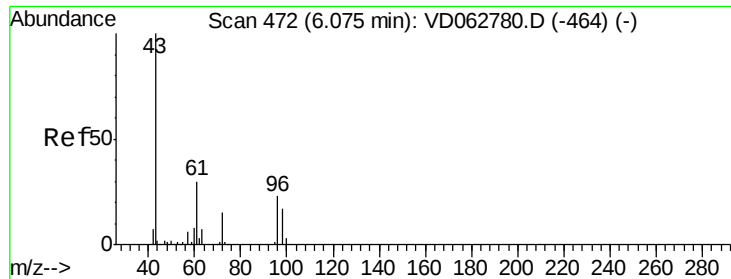


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 288.812 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

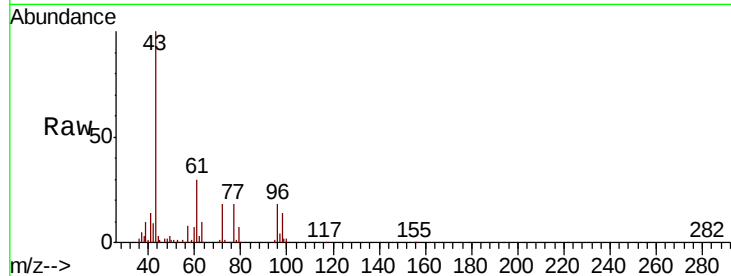
VSTDCCC050

Tot Ion: 43 Resp: 538928

Ion Ratio Lower Upper

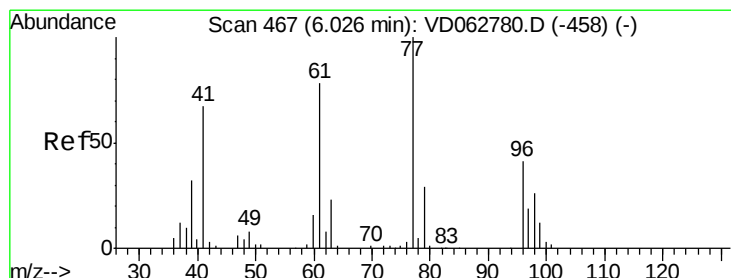
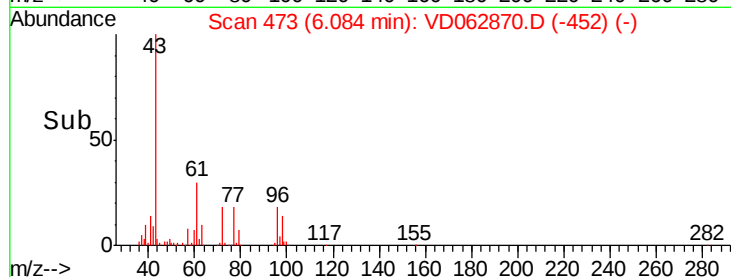
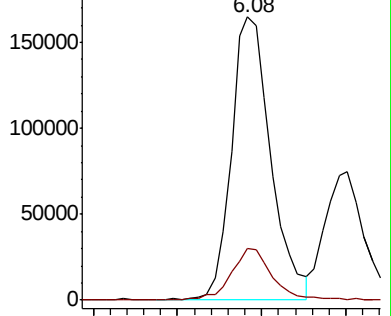
43 100

72 18.1 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: 56.072 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062870.D

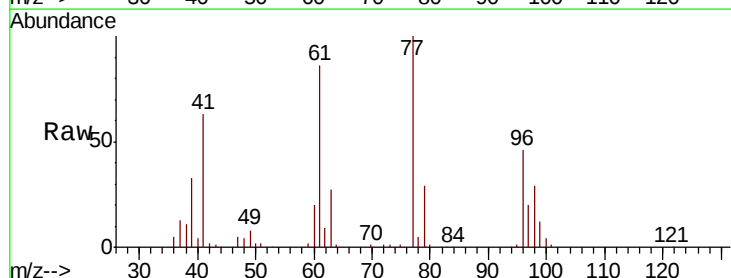
Acq: 25 Jun 2019 9:20

Tgt Ion: 77 Resp: 847039

Ion Ratio Lower Upper

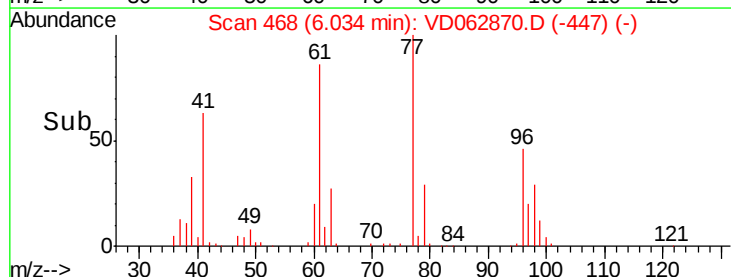
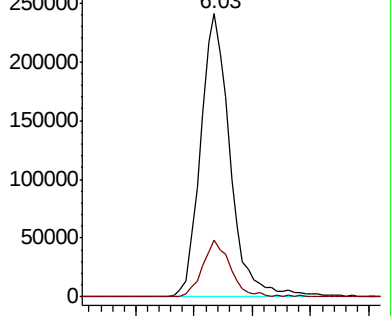
77 100

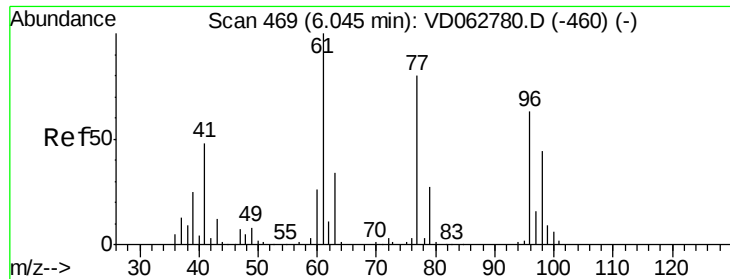
97 20.0 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



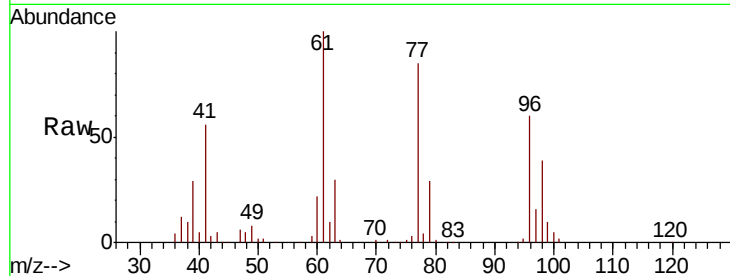


#27

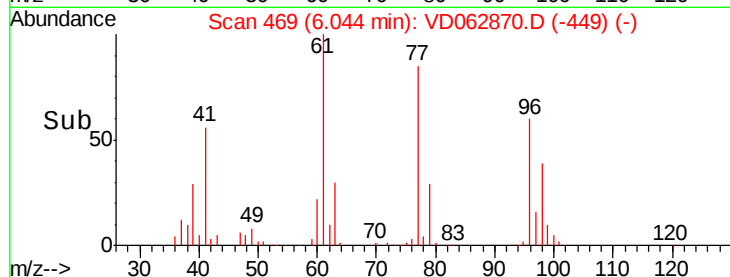
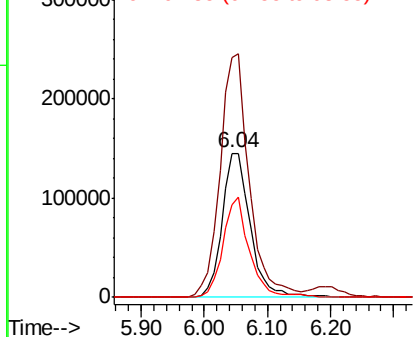
cis-1,2-Dichloroethene
 Concen: 54.952 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 450733
 Ion Ratio Lower Upper
 96 100
 61 166.5 0.0 316.0
 98 64.2 0.0 138.4



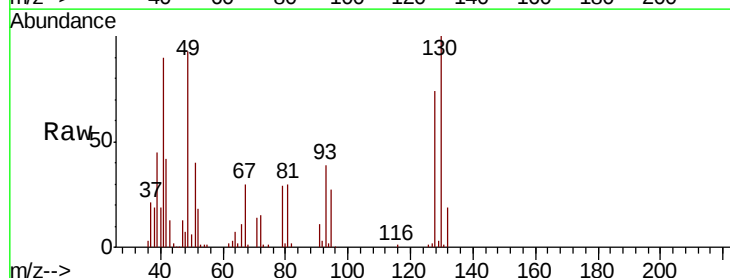
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



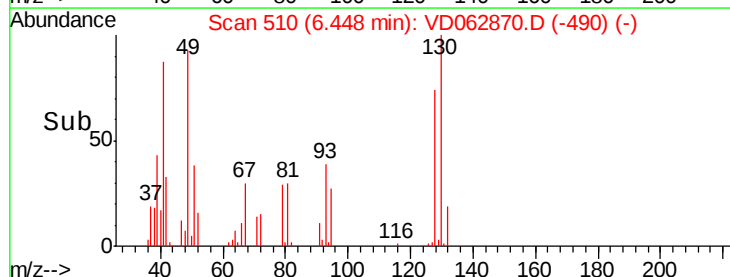
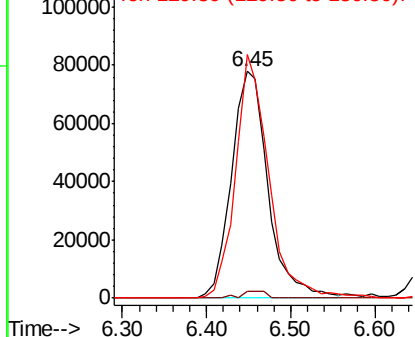
#28

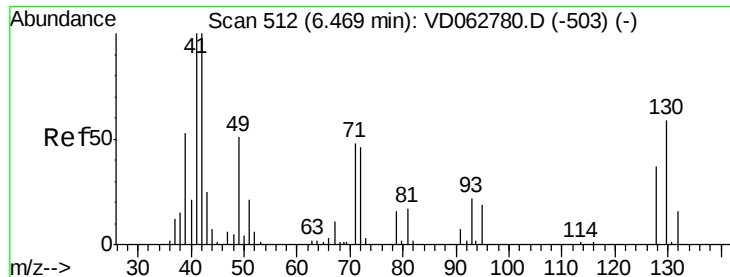
Bromochloromethane
 Concen: 46.904 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion: 49 Resp: 235433
 Ion Ratio Lower Upper
 49 100
 129 3.1 0.0 5.6
 130 107.5 76.6 114.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 272.769 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

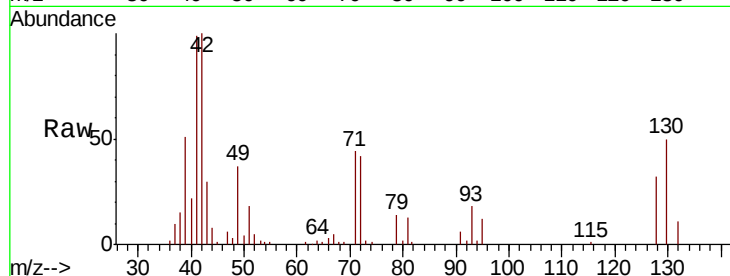
Tot Ion: 42 Resp: 240823

Ion Ratio Lower Upper

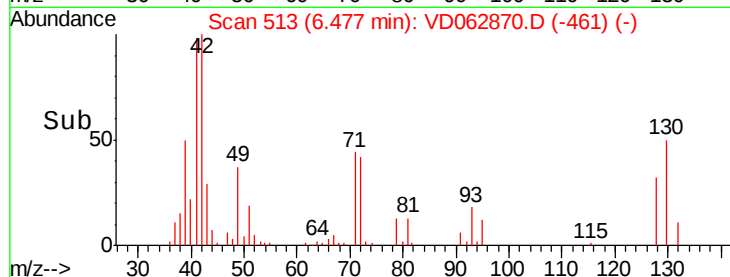
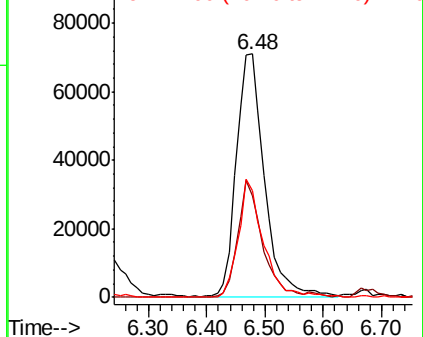
42 100

72 41.3 35.0 52.6

71 43.1 33.3 49.9



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



#30

Chloroform

Concen: 52.763 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062870.D

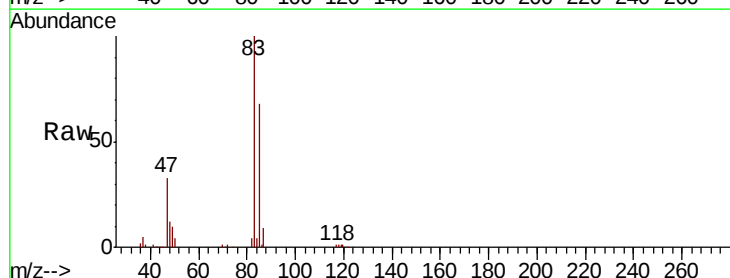
Acq: 25 Jun 2019 9:20

Tgt Ion: 83 Resp: 914500

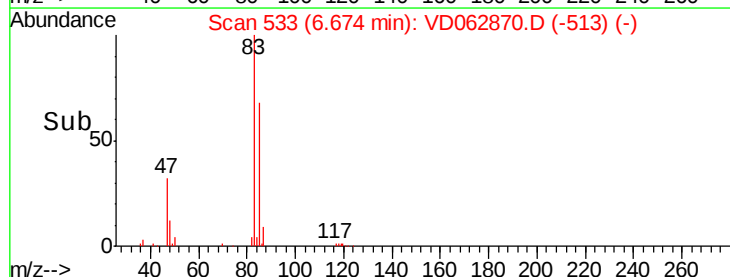
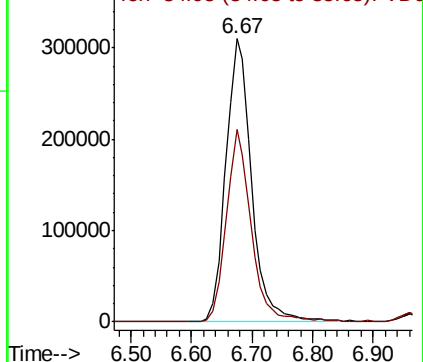
Ion Ratio Lower Upper

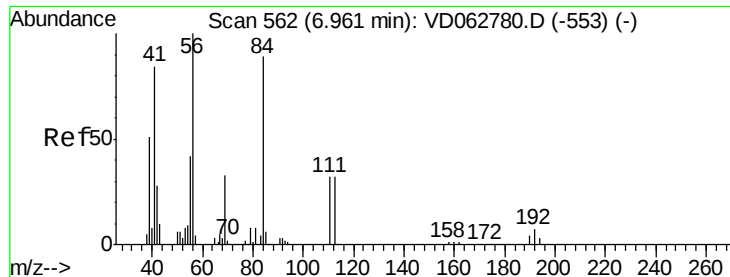
83 100

85 67.8 49.8 74.6



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

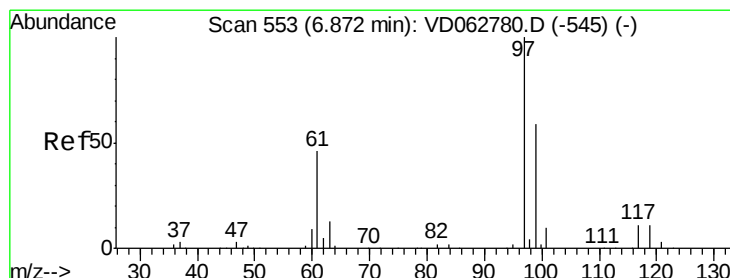
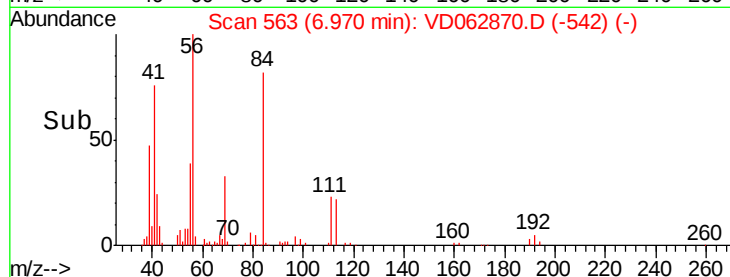
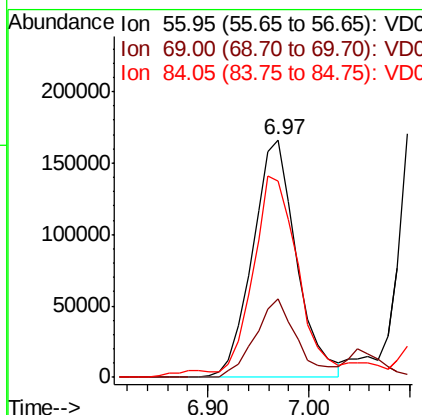
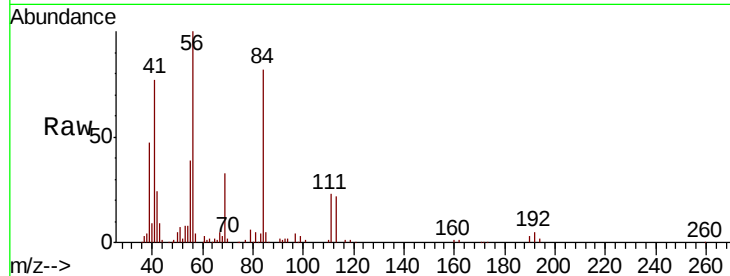




#31
Cyclohexane
Concen: 53.453 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

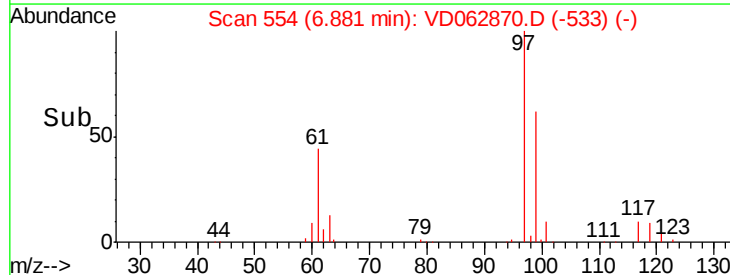
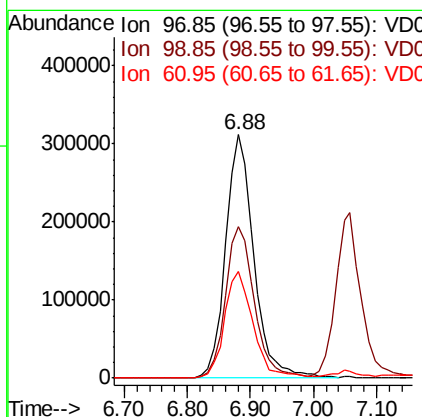
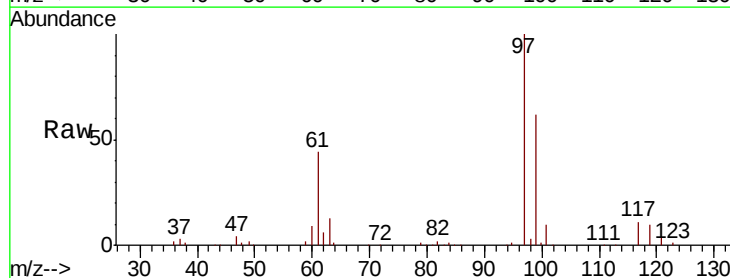
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

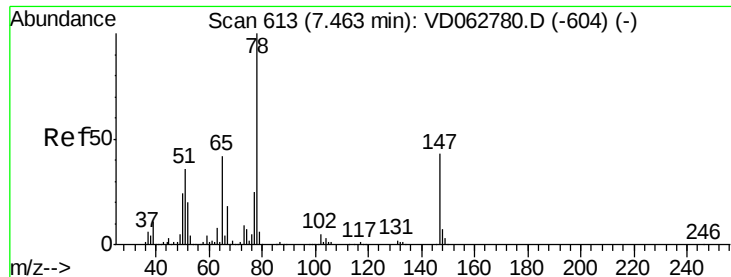
Tot Ion: 56 Resp: 500812
Ion Ratio Lower Upper
56 100
69 32.9 26.6 39.8
84 82.4 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 53.269 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion: 97 Resp: 961664
Ion Ratio Lower Upper
97 100
99 62.0 47.4 71.2
61 43.7 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 46.240 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

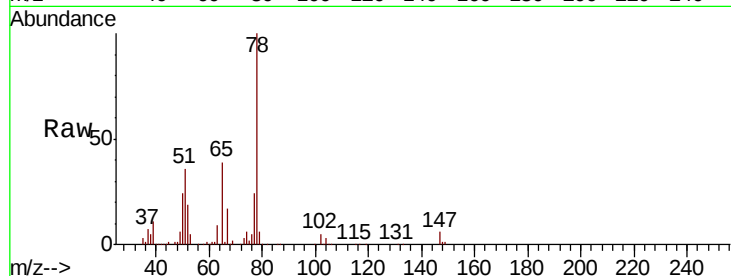
VSTDCCC050

Tot Ion: 65 Resp: 461341

Ion Ratio Lower Upper

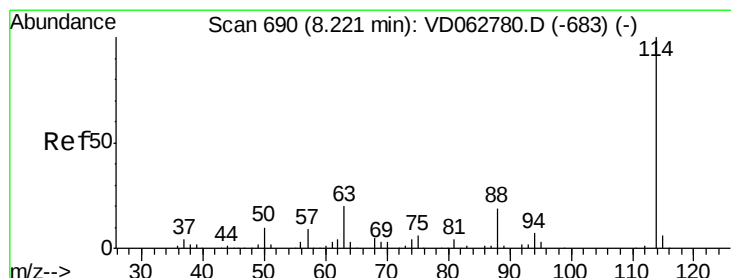
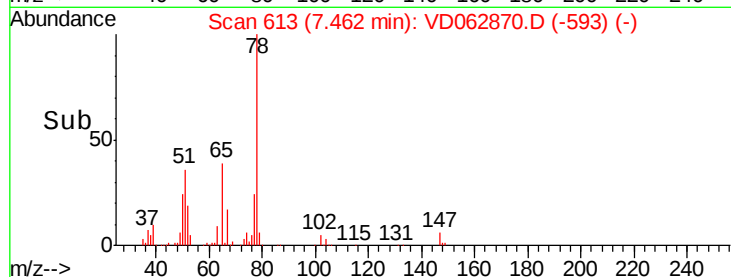
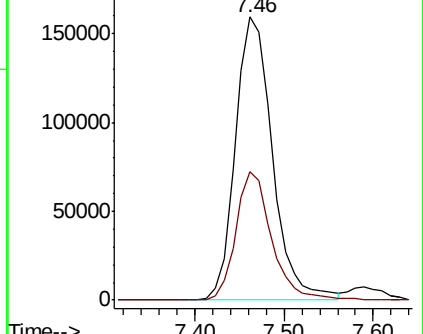
65 100

67 45.4 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: VD062870.D

Acq: 25 Jun 2019 9:20

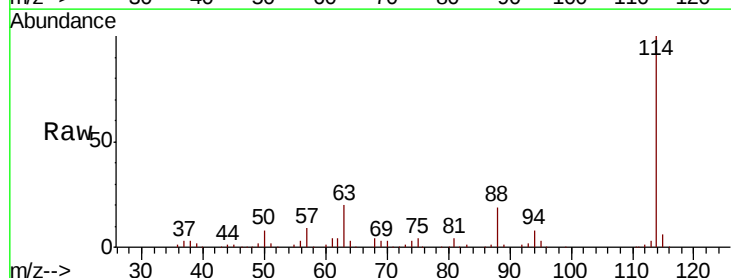
Tgt Ion: 114 Resp: 1272393

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

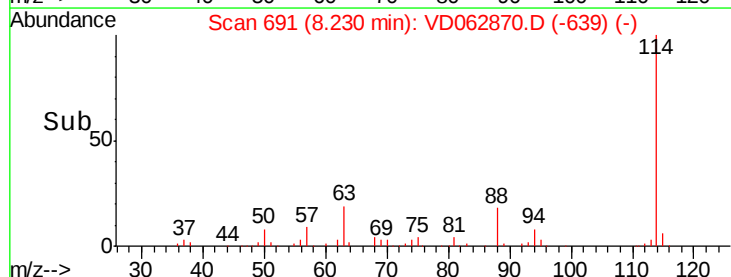
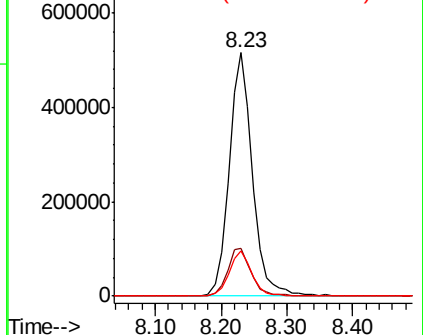
88 18.6 0.0 38.8

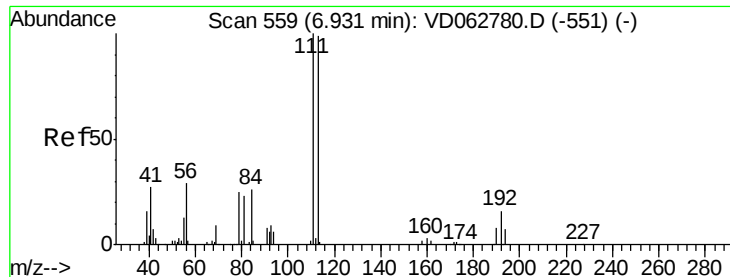


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

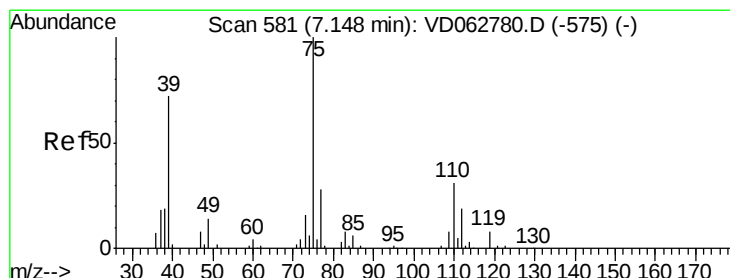
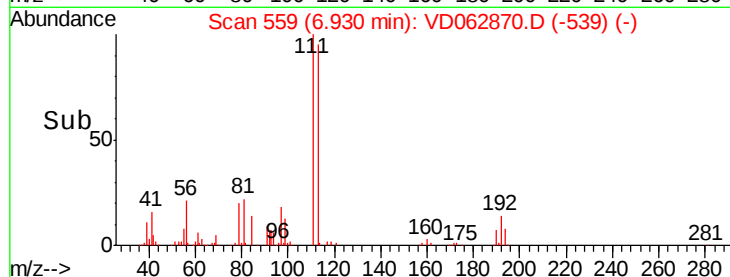
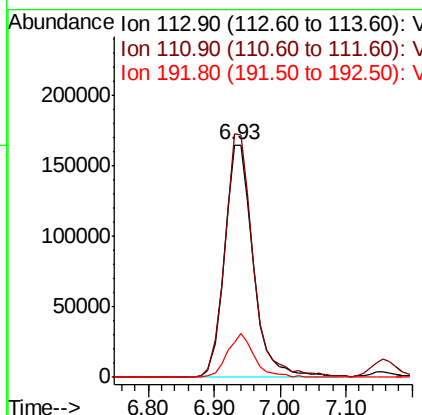
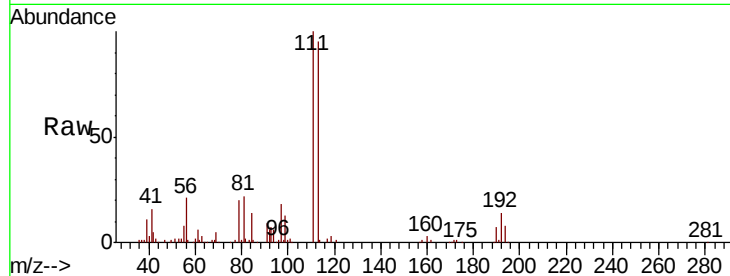




#35
 Dibromofluoromethane
 Concen: 46.832 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

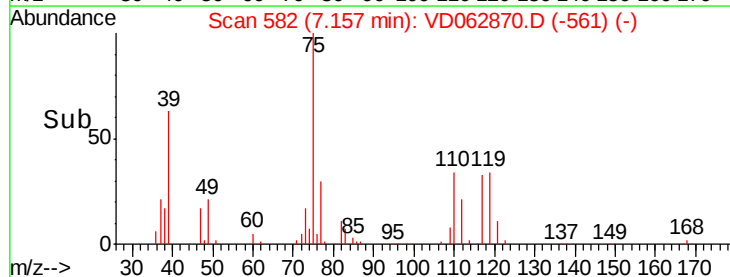
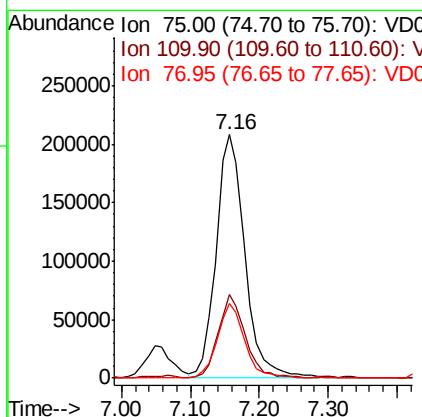
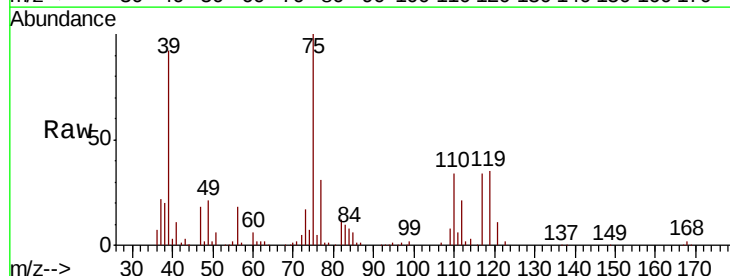
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

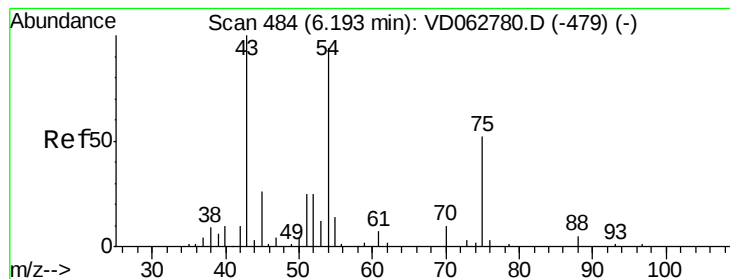
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.2	121.8
192	14.9	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 49.567 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	15.0	45.1
77	30.5	22.2	33.2





#37

Ethyl Acetate

Concen: 49.729 ug/l

RT: 6.20 min Scan# 485

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

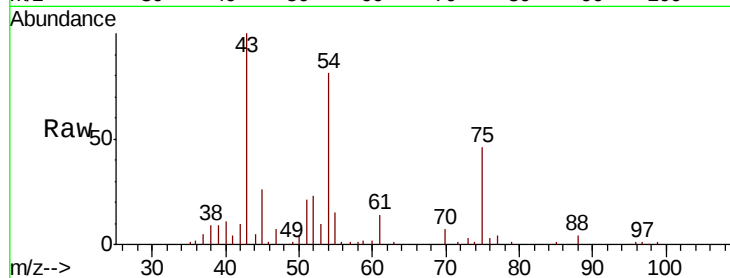
Tot Ion: 43 Resp: 251646

Ion Ratio Lower Upper

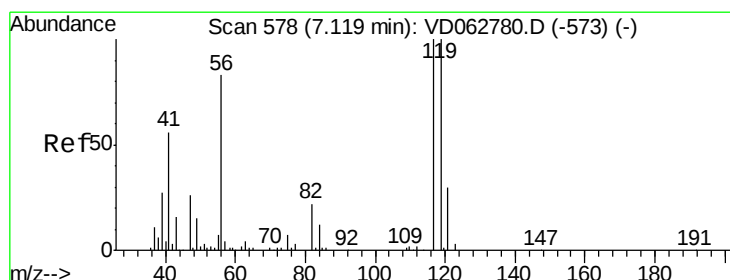
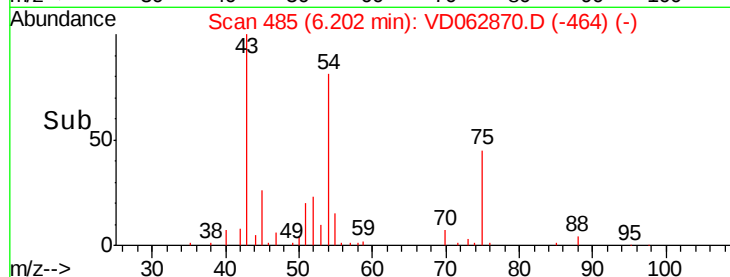
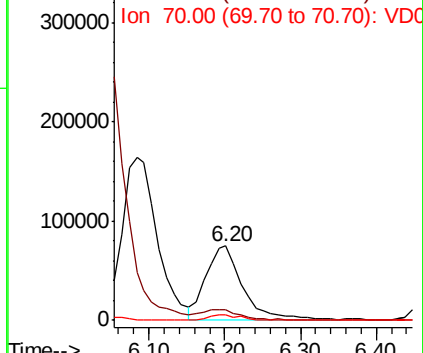
43 100

61 14.2 11.6 17.4

70 6.6 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: 56.841 ug/l

RT: 7.12 min Scan# 578

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

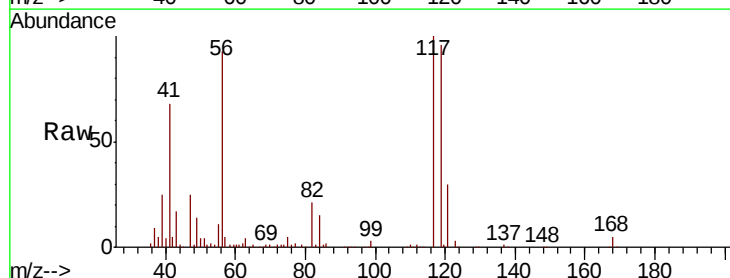
Tgt Ion: 117 Resp: 1029684

Ion Ratio Lower Upper

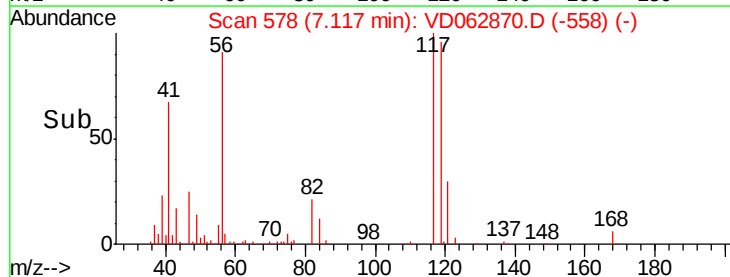
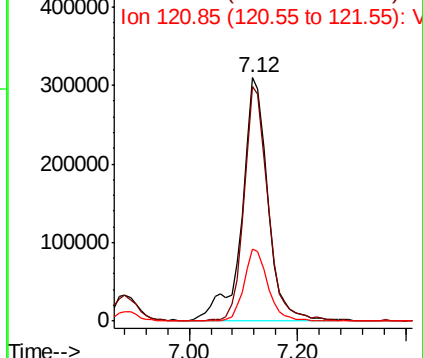
117 100

119 96.4 75.4 113.2

121 29.7 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

Methylvlcyclohexane

Concen: 48.108 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

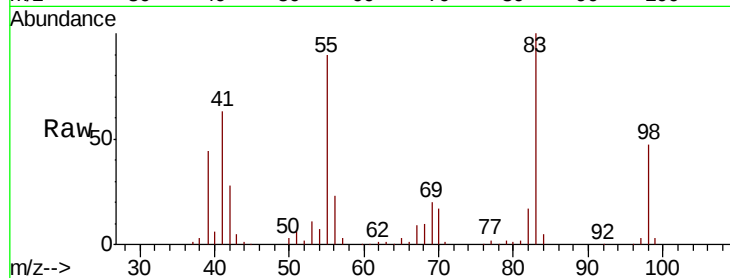
Tot Ion: 83 Resp: 510065

Ion Ratio Lower Upper

83 100

55 89.9 76.6 115.0

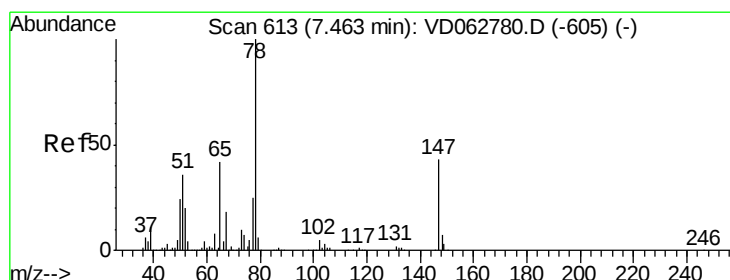
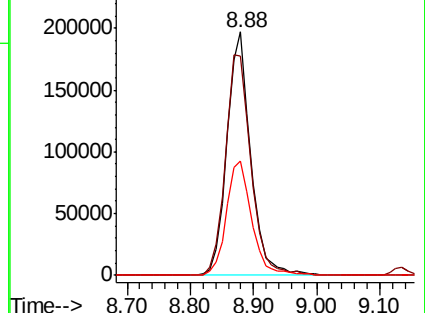
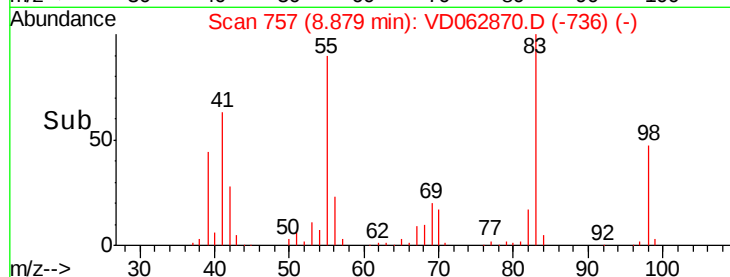
98 46.7 35.7 53.5



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: 51.062 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062870.D

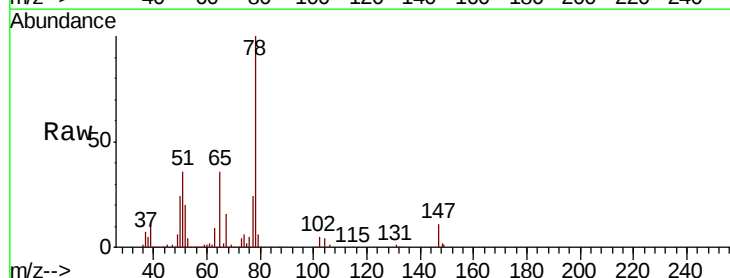
Acq: 25 Jun 2019 9:20

Tgt Ion: 78 Resp: 1234589

Ion Ratio Lower Upper

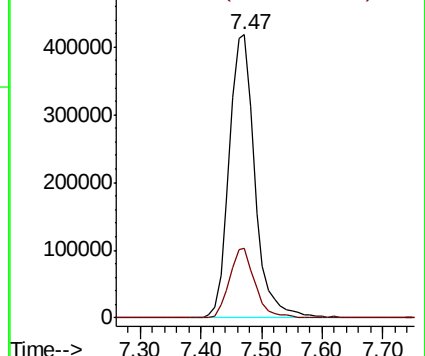
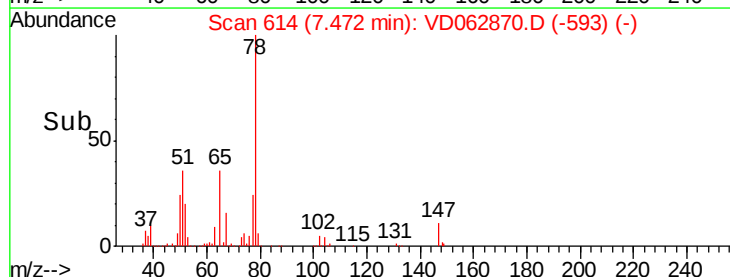
78 100

77 24.4 20.2 30.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

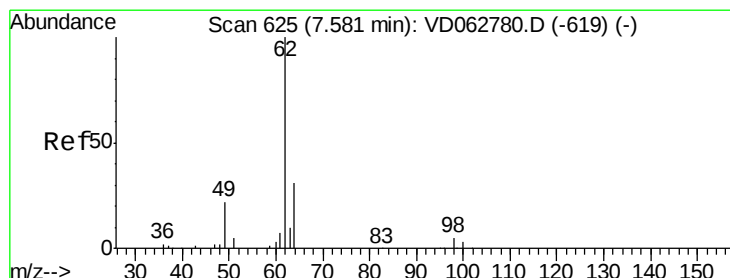
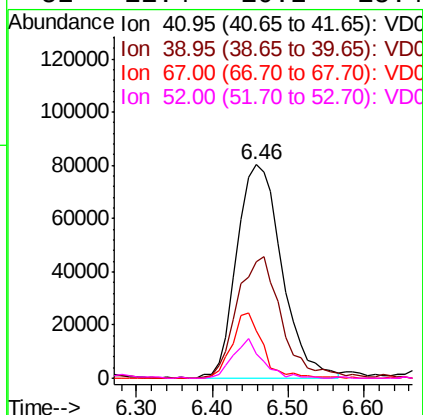
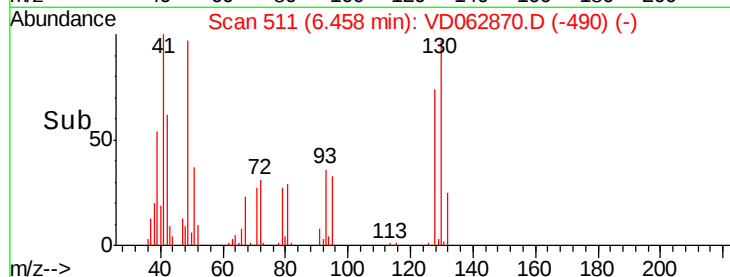
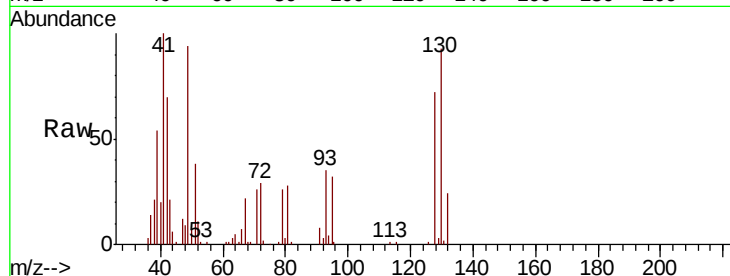




#41
Methacrylonitrile
Concen: 52.336 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

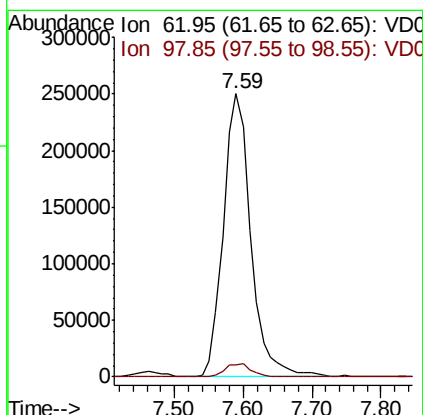
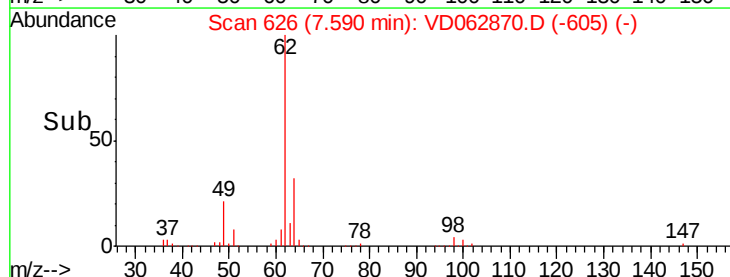
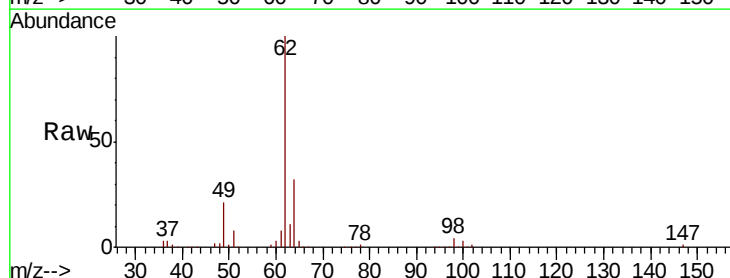
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 332444
Ion Ratio Lower Upper
41 100
39 54.4 43.2 64.8
67 22.3 19.9 29.9
52 11.4 10.2 15.4



#42
1,2-Dichloroethane
Concen: 52.634 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion: 62 Resp: 694224
Ion Ratio Lower Upper
62 100
98 4.3 0.0 10.0



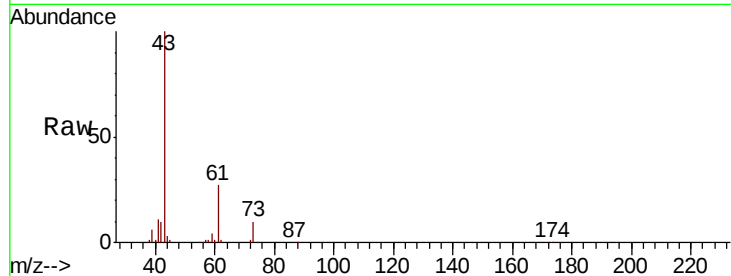


#43

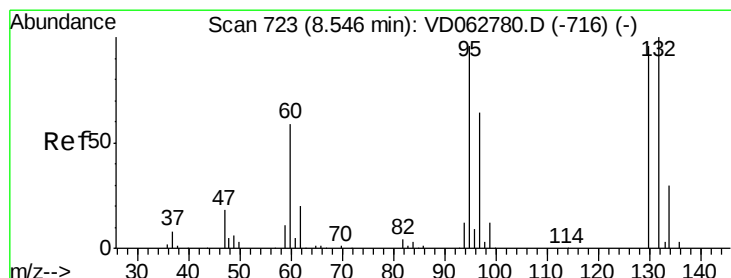
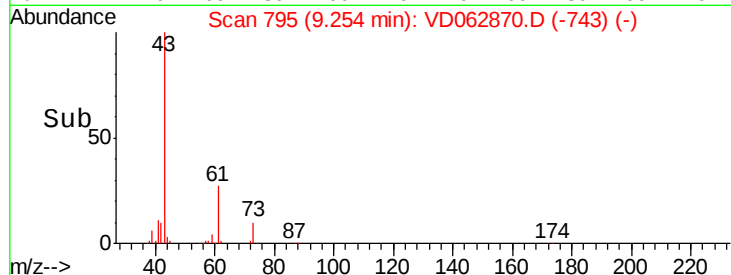
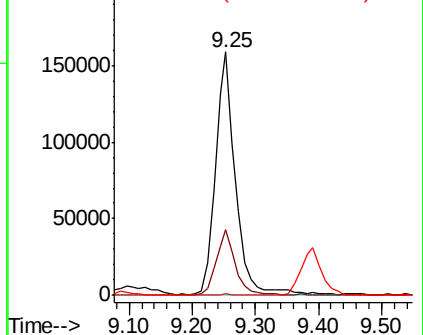
Isopropyl Acetate
 Concen: 56.266 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 355309
 Ion Ratio Lower Upper
 43 100
 61 27.0 22.4 33.6
 87 0.5 0.3 0.5



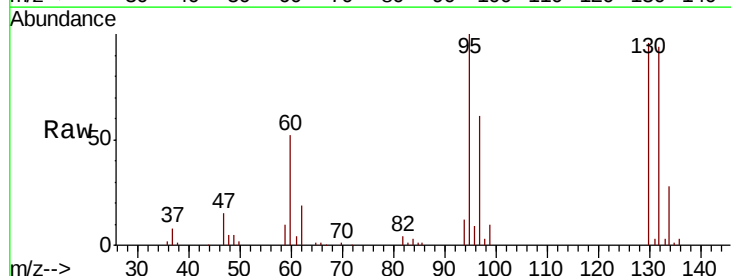
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



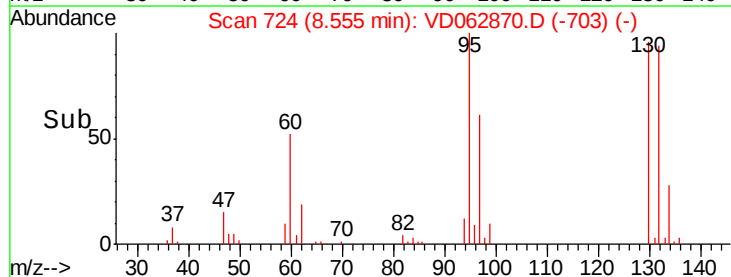
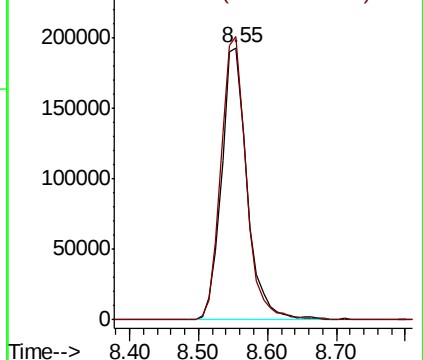
#44

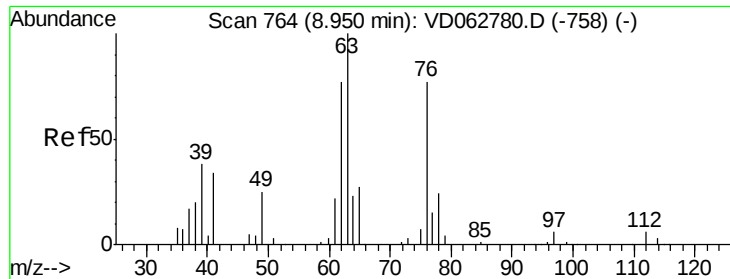
Trichloroethene
 Concen: 52.393 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion: 130 Resp: 496626
 Ion Ratio Lower Upper
 130 100
 95 104.0 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 52.908 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

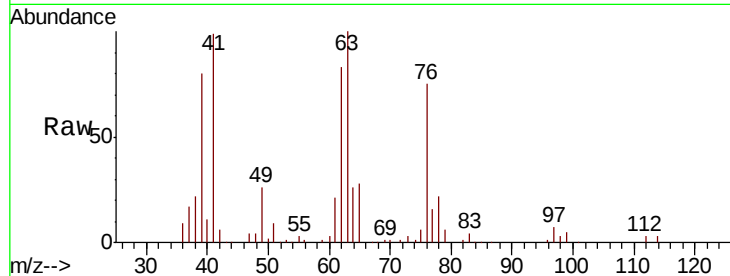
VSTDCCC050

Tot Ion: 63 Resp: 318083

Ion Ratio Lower Upper

63 100

65 27.5 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

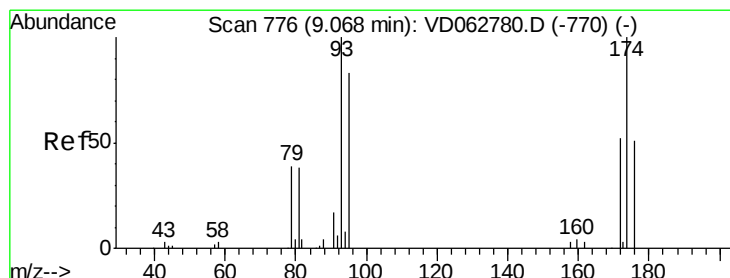
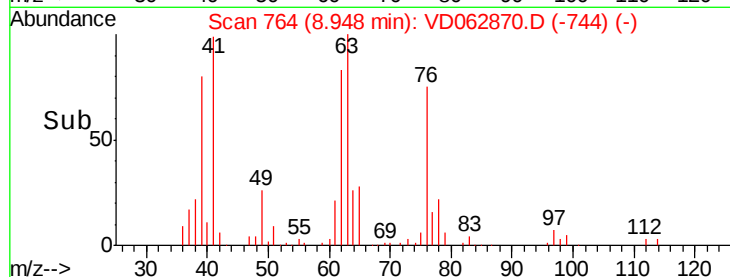
150000

100000

50000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 52.153 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

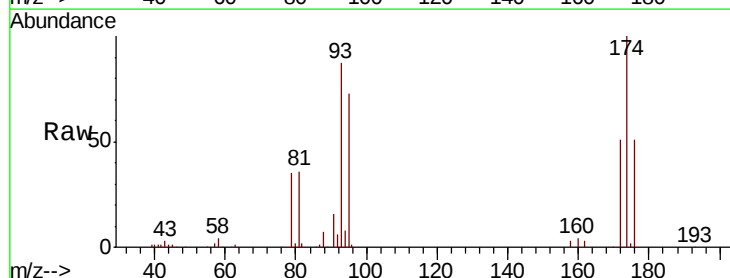
Tgt Ion: 93 Resp: 269339

Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 114.8 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

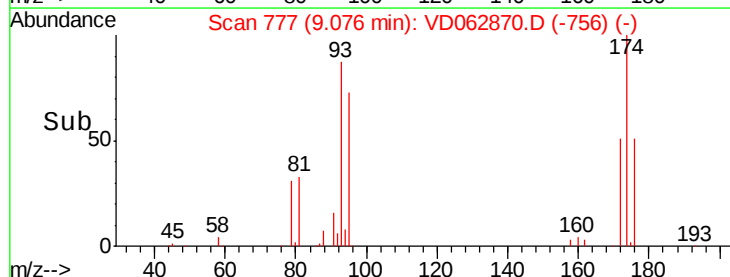
150000

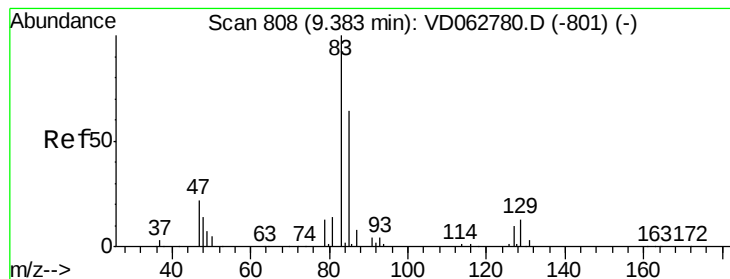
100000

50000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 53.058 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

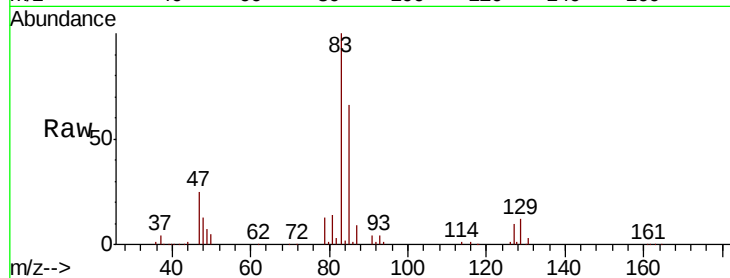
Tot Ion: 83 Resp: 711642

Ion Ratio Lower Upper

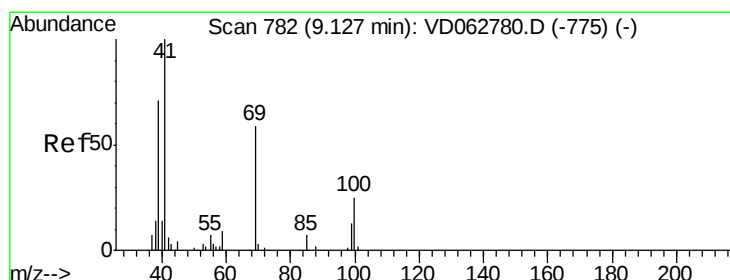
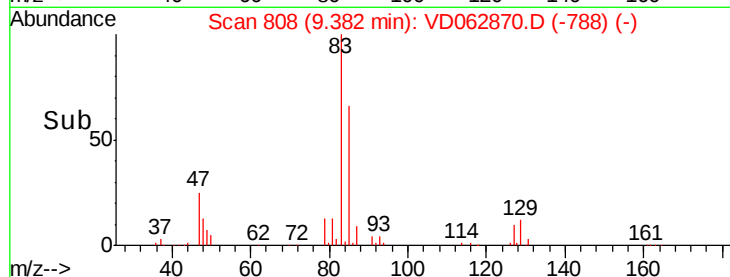
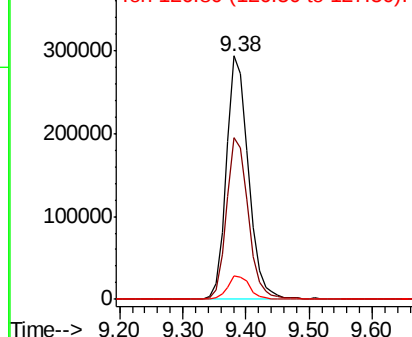
83 100

85 66.5 51.6 77.4

127 9.5 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: 50.974 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

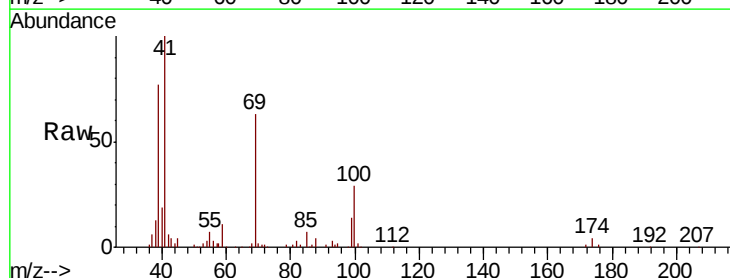
Tgt Ion: 41 Resp: 228747

Ion Ratio Lower Upper

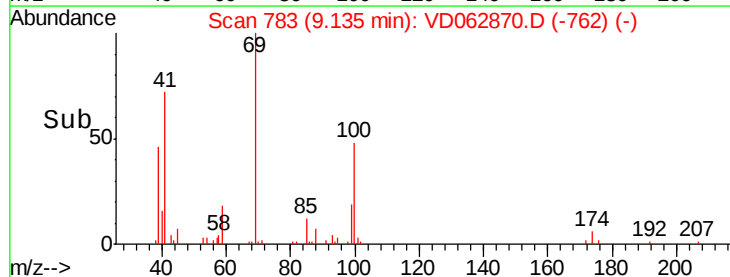
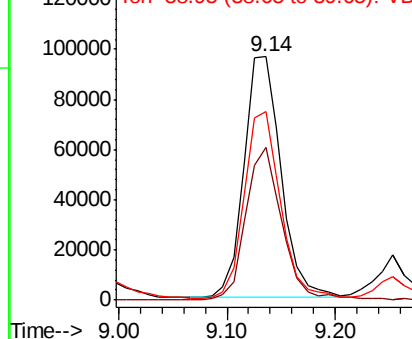
41 100

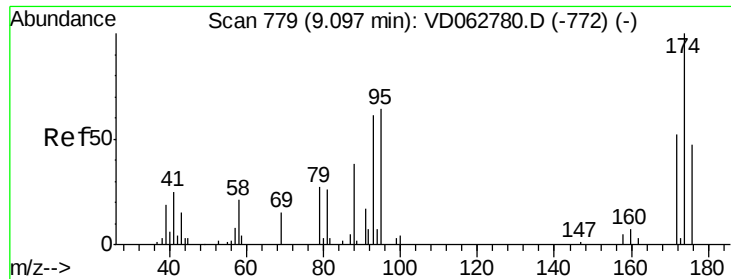
69 62.5 47.2 70.8

39 77.4 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

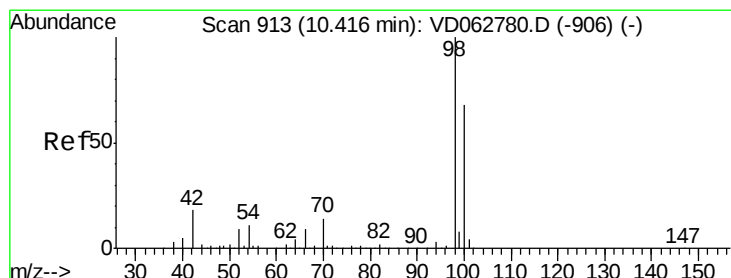
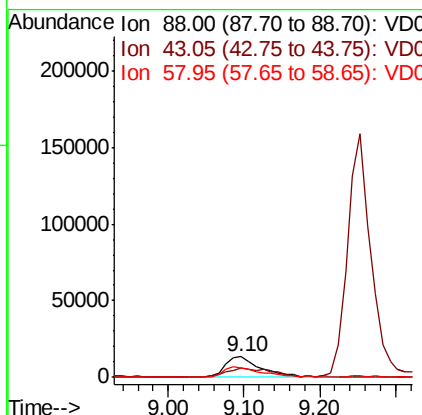
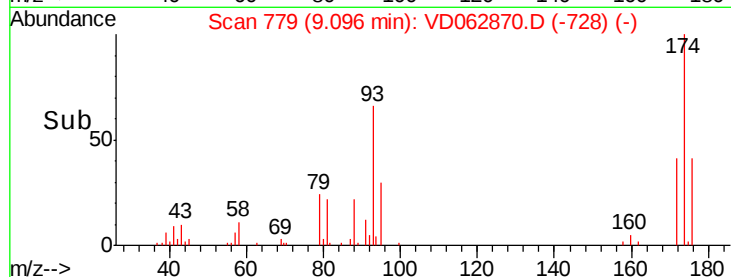
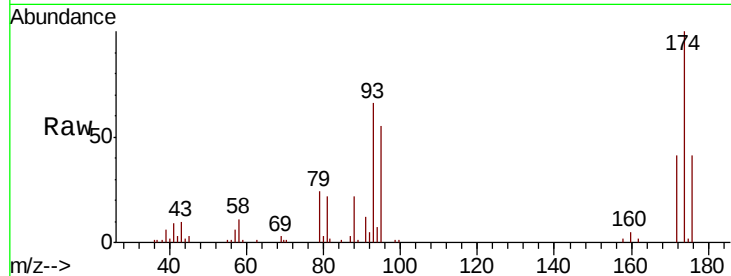




#49
1,4-Dioxane
Concen: 1187.247 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

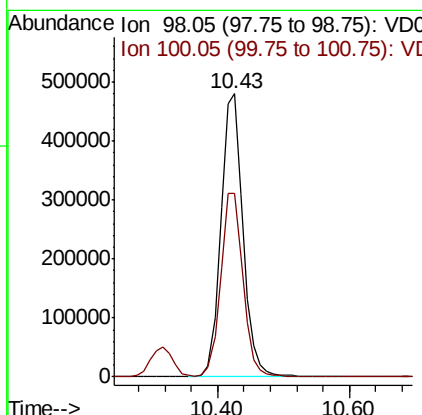
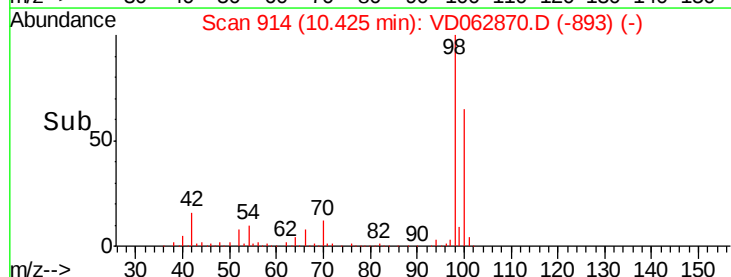
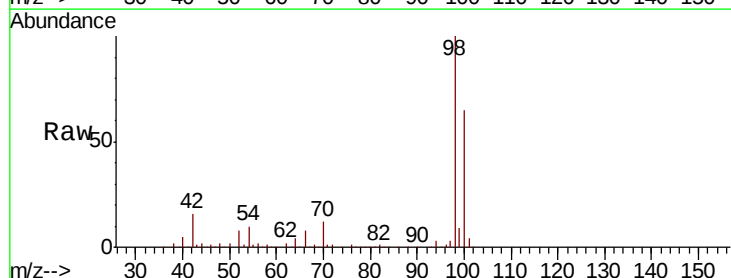
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 44325
Ion Ratio Lower Upper
88 100
43 45.1 32.1 48.1
58 47.4 44.1 66.1



#50
Toluene-d8
Concen: 47.922 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion: 98 Resp: 1119014
Ion Ratio Lower Upper
98 100
100 64.7 54.7 82.1





#51

4-Methyl-2-Pentanone

Concen: 258.244 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleID :

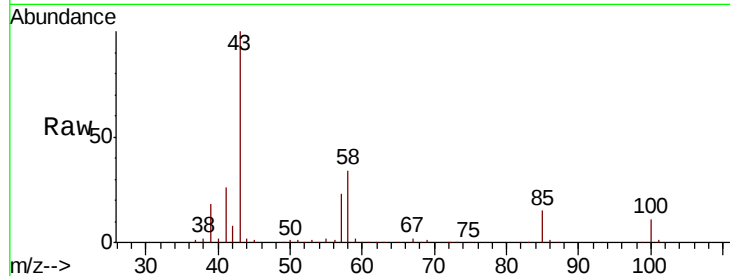
VSTDCCC050

Tot Ion: 43 Resp: 1156195

Ion Ratio Lower Upper

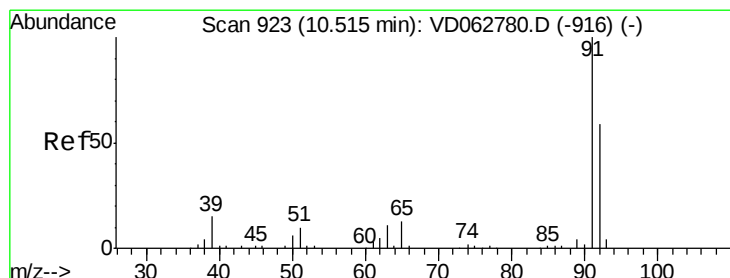
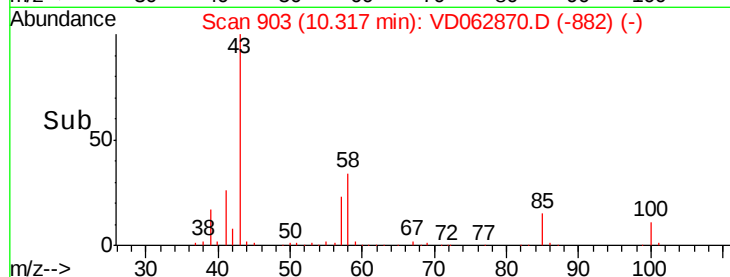
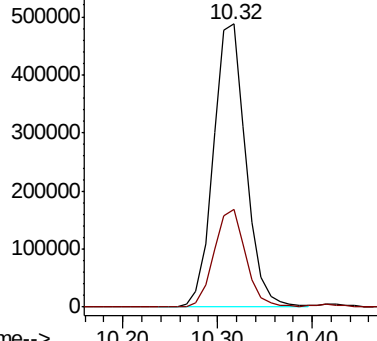
43 100

58 34.4 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.663 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062870.D

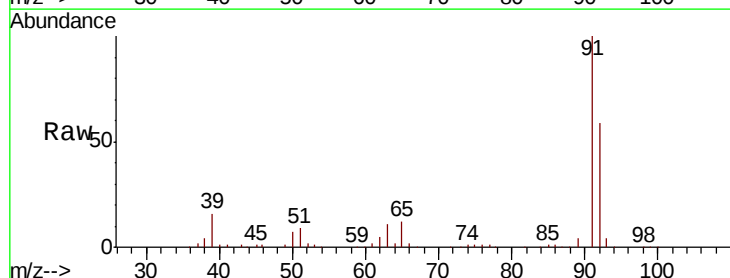
Acq: 25 Jun 2019 9:20

Tgt Ion: 92 Resp: 823399

Ion Ratio Lower Upper

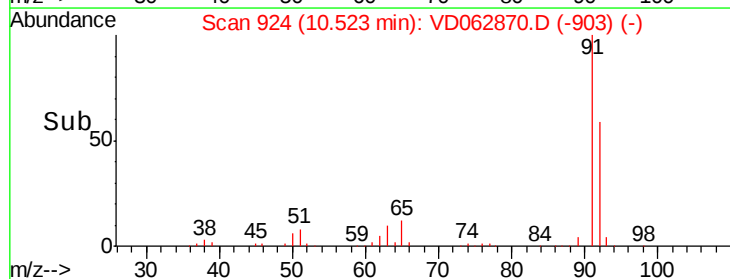
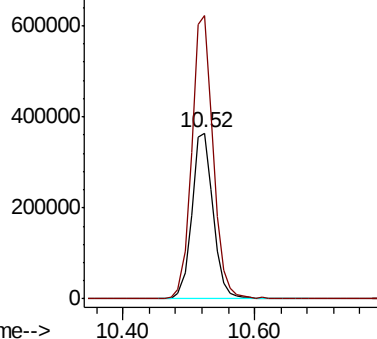
92 100

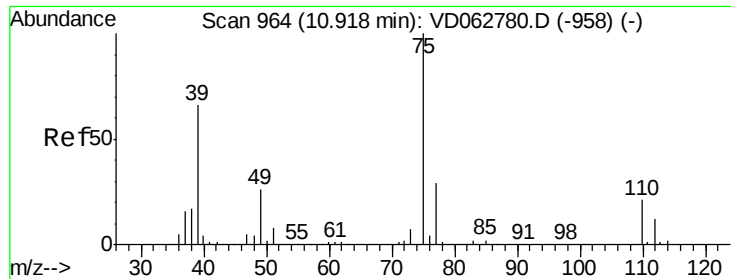
91 170.4 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

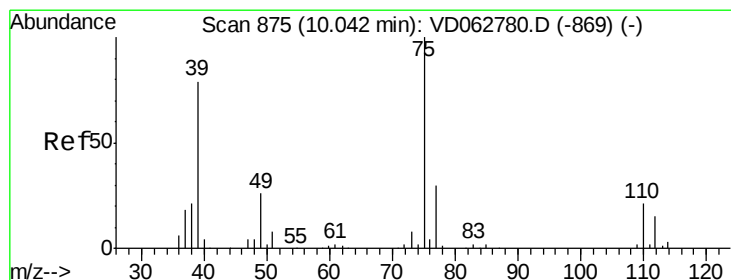
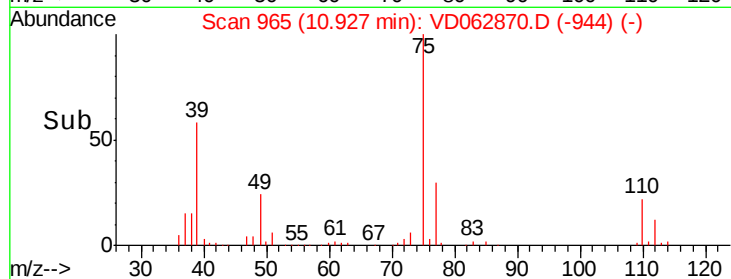
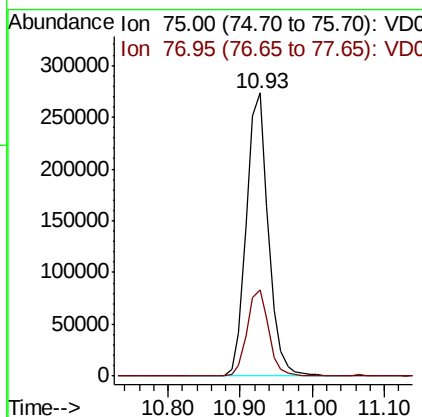
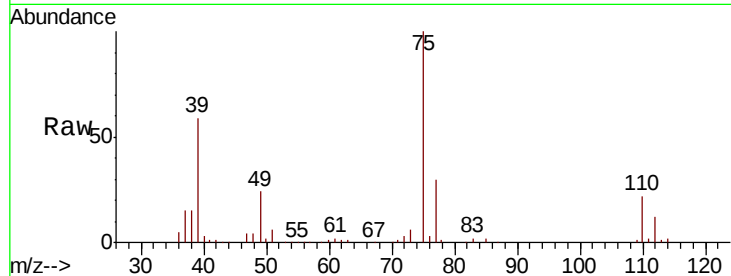




#53
 t-1,3-Dichloropropene
 Concen: 53.182 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

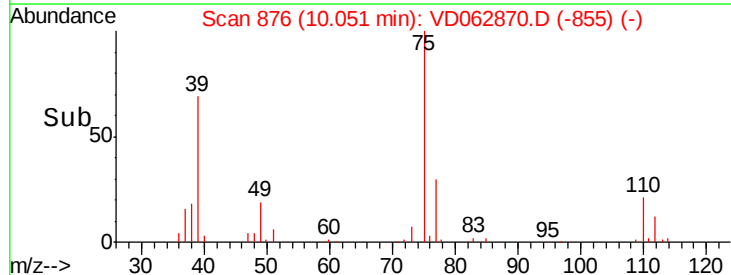
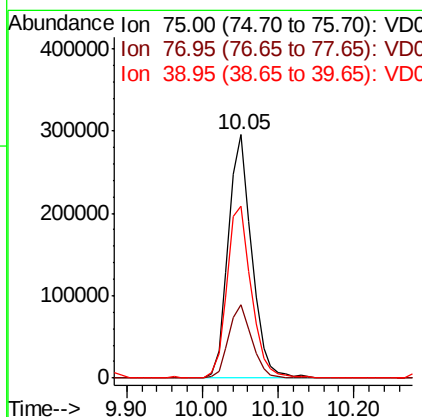
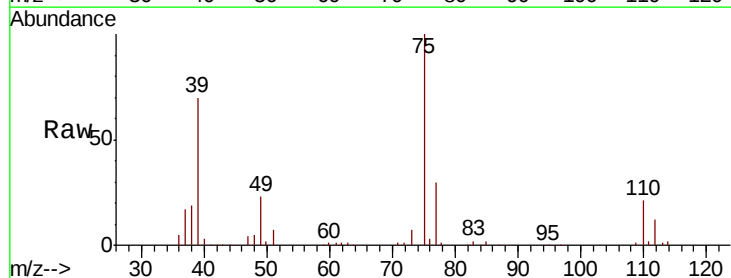
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

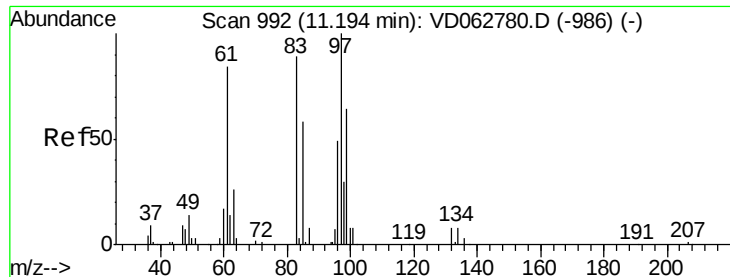
Tot Ion: 75 Resp: 583831
 Ion Ratio Lower Upper
 75 100
 77 30.3 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.942 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion: 75 Resp: 631712
 Ion Ratio Lower Upper
 75 100
 77 29.9 24.2 36.2
 39 70.4 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 49.885 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 278545

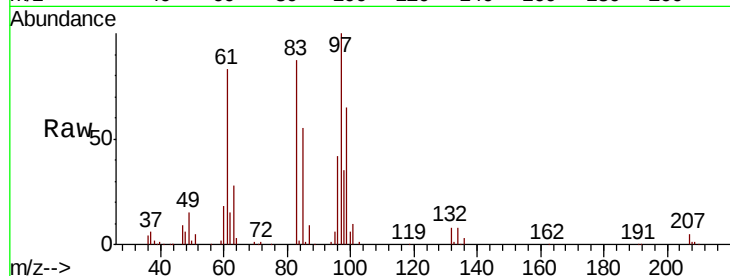
Ion Ratio Lower Upper

97 100

83 86.8 71.0 106.4

85 55.2 46.6 69.8

99 64.8 51.4 77.0

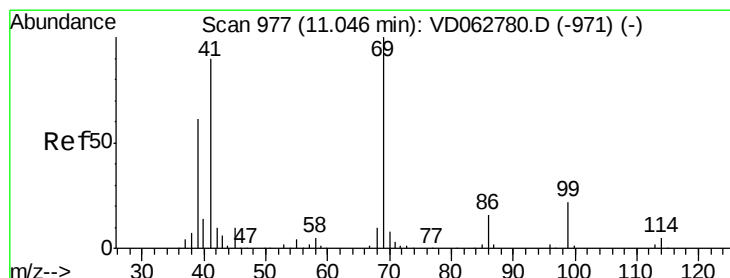
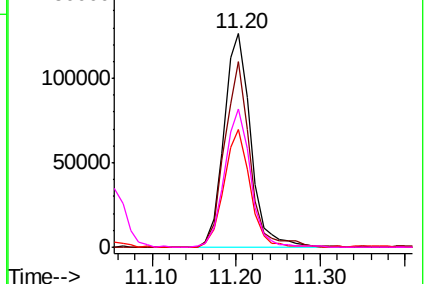
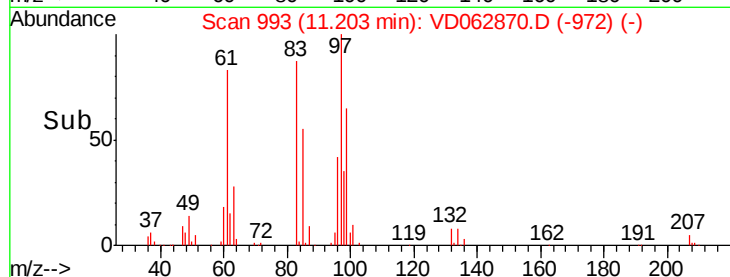


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 51.397 ug/l

RT: 11.06 min Scan# 978

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

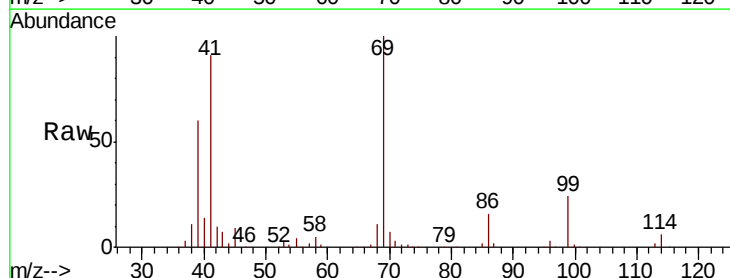
Tgt Ion: 69 Resp: 306701

Ion Ratio Lower Upper

69 100

41 90.7 72.0 108.0

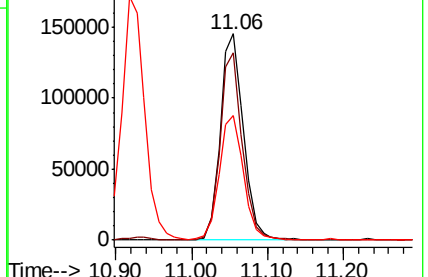
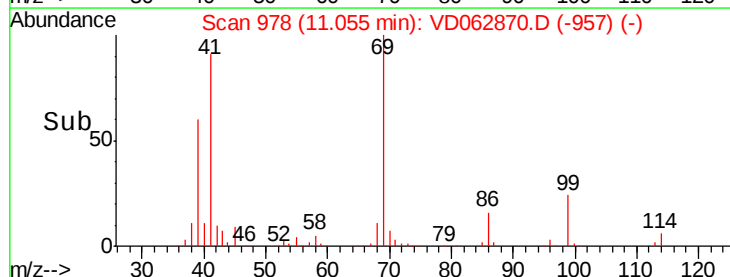
39 60.3 49.5 74.3

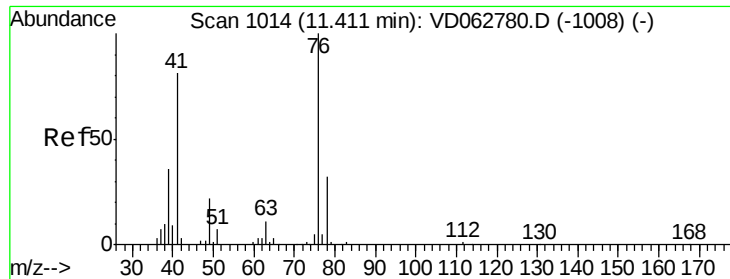


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.780 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

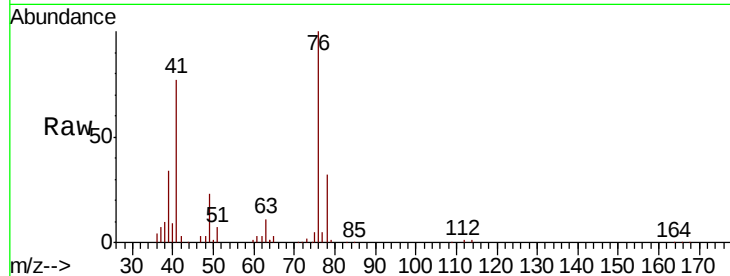
VSTDCCC050

Tot Ion: 76 Resp: 451249

Ion Ratio Lower Upper

76 100

78 32.4 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

200000

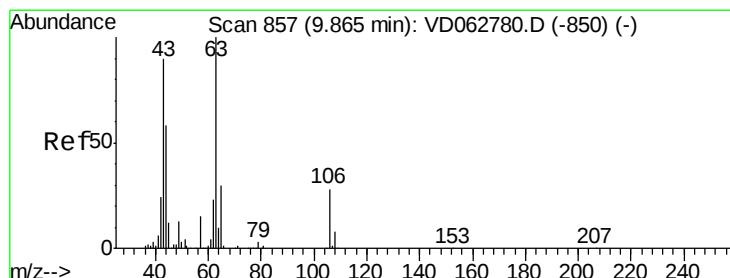
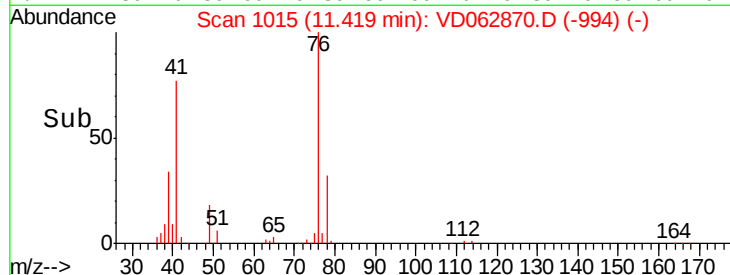
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 275.815 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD062870.D

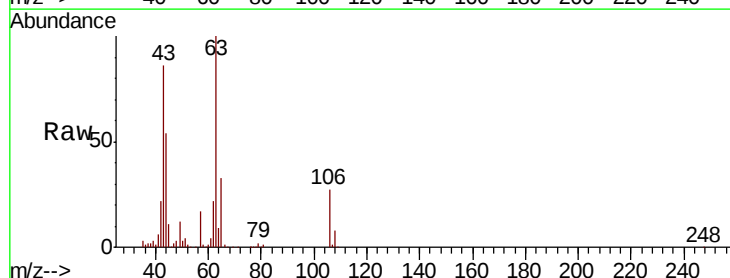
Acq: 25 Jun 2019 9:20

Tgt Ion: 63 Resp: 844963

Ion Ratio Lower Upper

63 100

106 27.2 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

400000

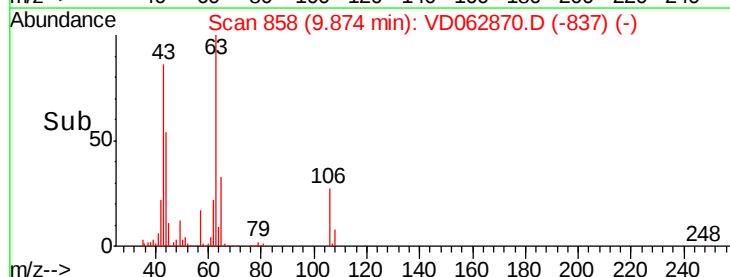
300000

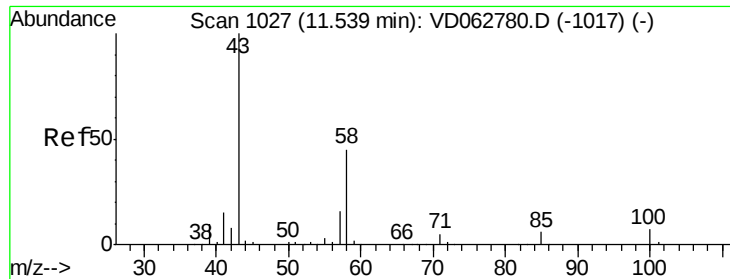
200000

100000

0

Time-->

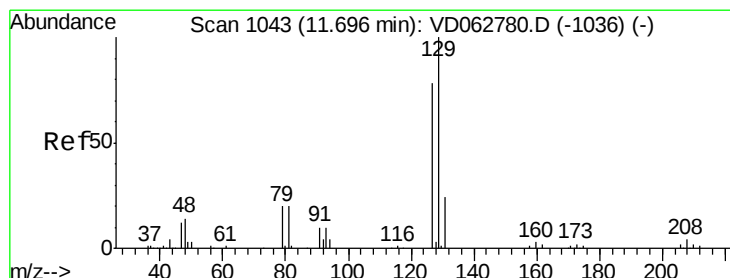
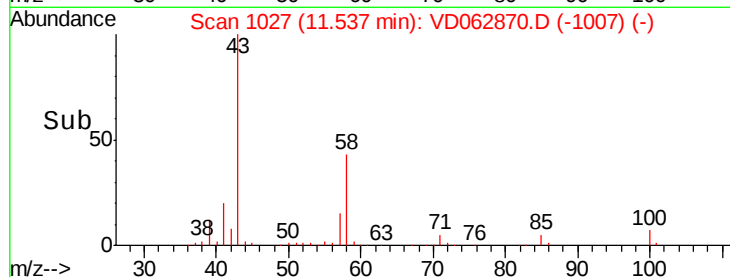
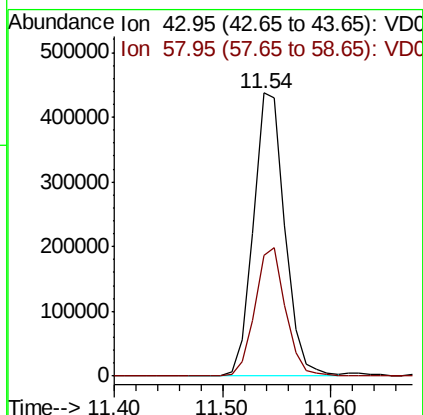
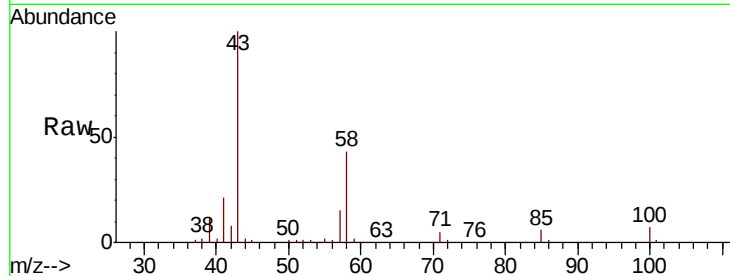




#59
2-Hexanone
Concen: 276.375 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

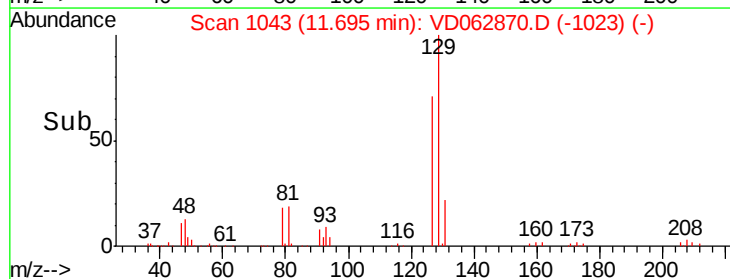
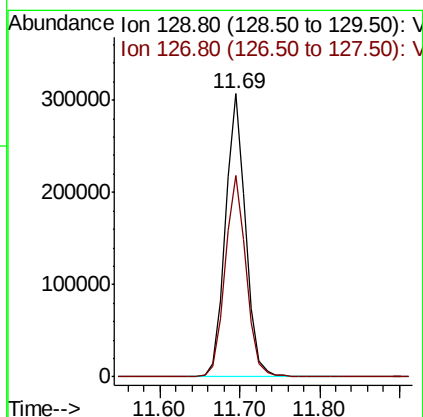
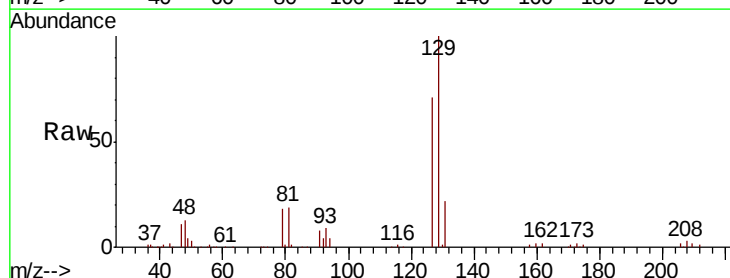
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

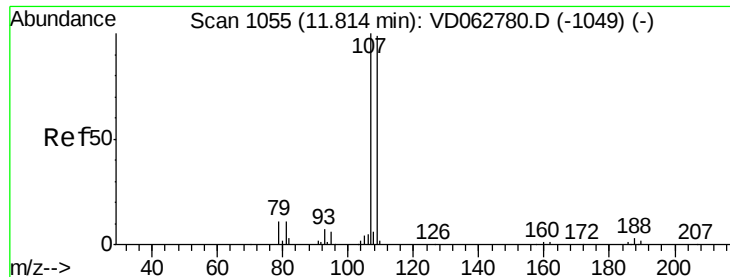
Tot Ion: 43 Resp: 881242
Ion Ratio Lower Upper
43 100
58 42.5 22.4 67.2



#60
Dibromochloromethane
Concen: 52.762 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion: 129 Resp: 548755
Ion Ratio Lower Upper
129 100
127 71.3 38.9 116.6

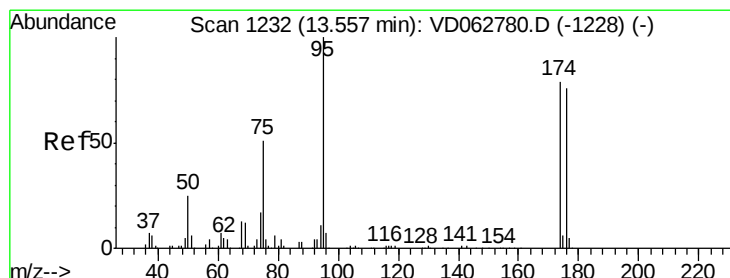
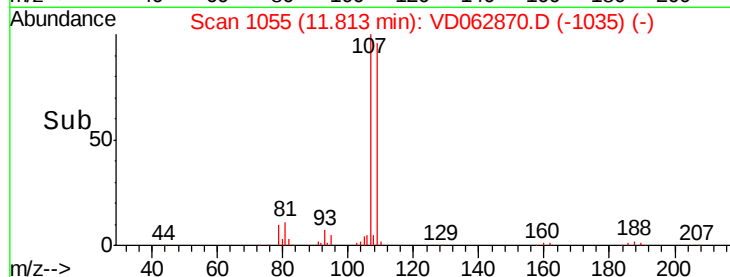
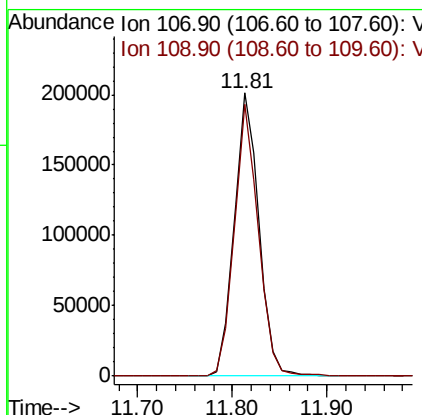
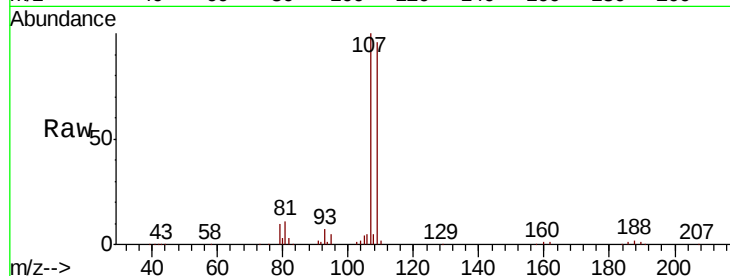




#61
 1,2-Dibromoethane
 Concen: 55.007 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

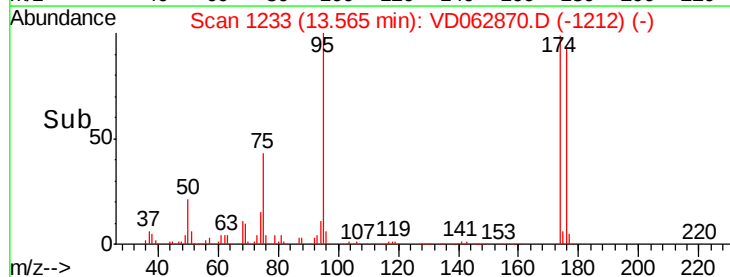
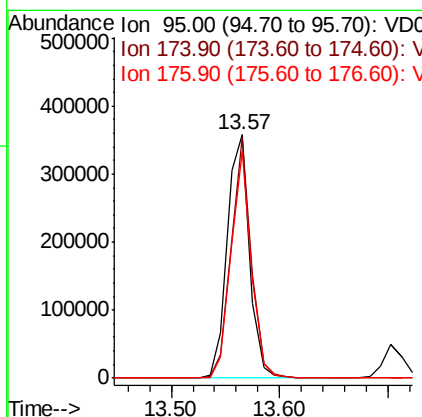
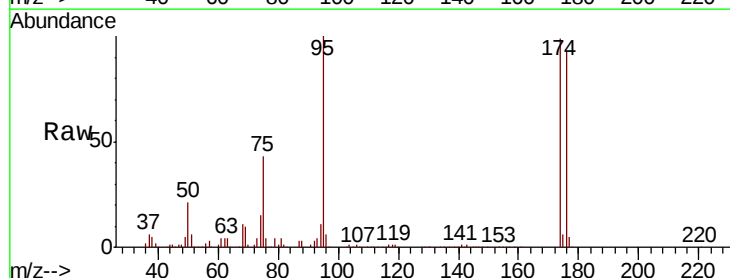
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

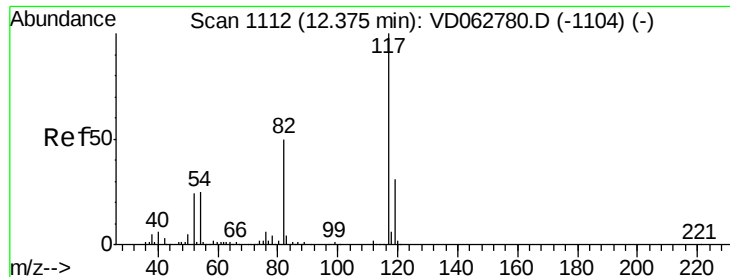
Tot Ion:107 Resp: 362754
 Ion Ratio Lower Upper
 107 100
 109 96.0 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 48.280 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion: 95 Resp: 512624
 Ion Ratio Lower Upper
 95 100
 174 99.1 0.0 158.0
 176 93.1 0.0 151.6

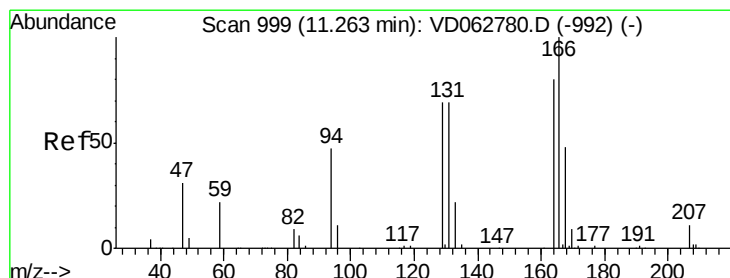
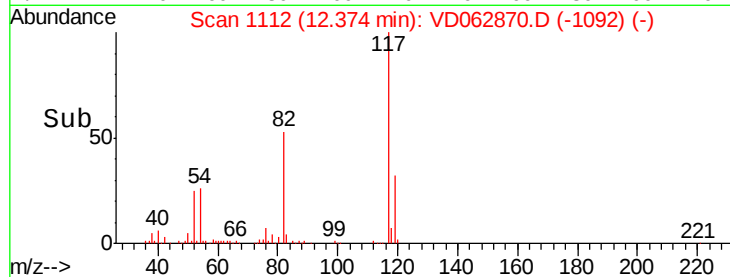
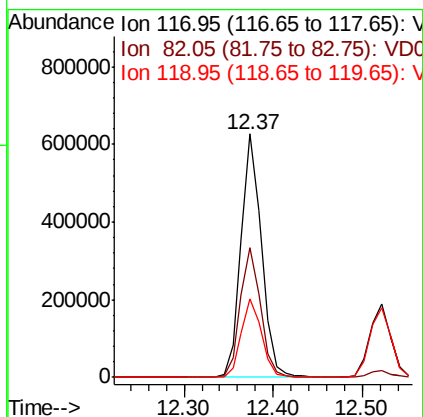
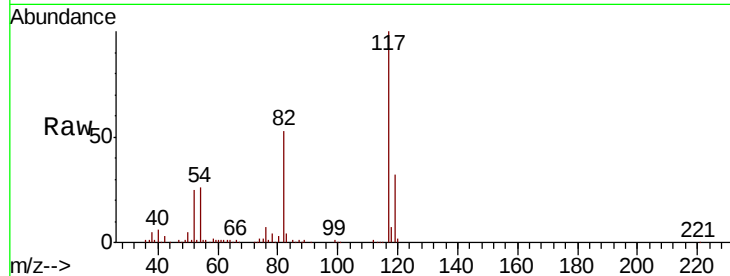




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

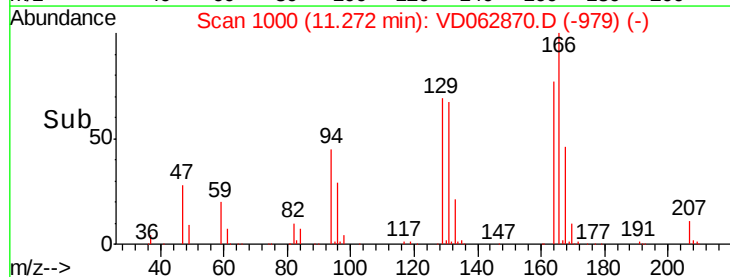
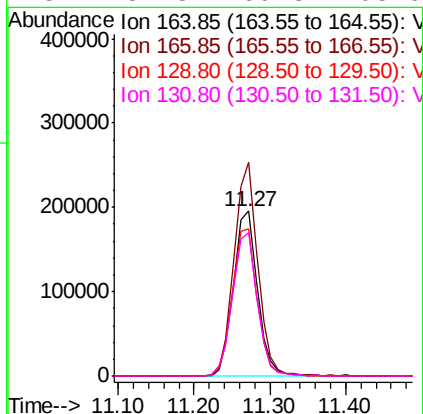
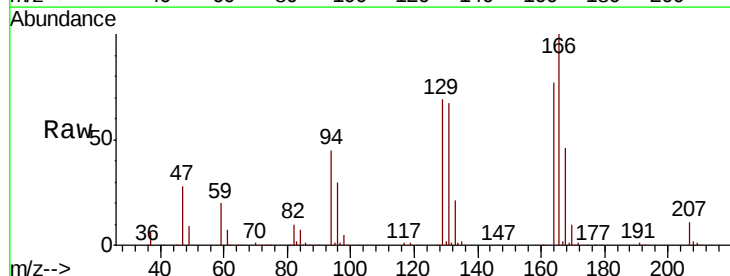
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

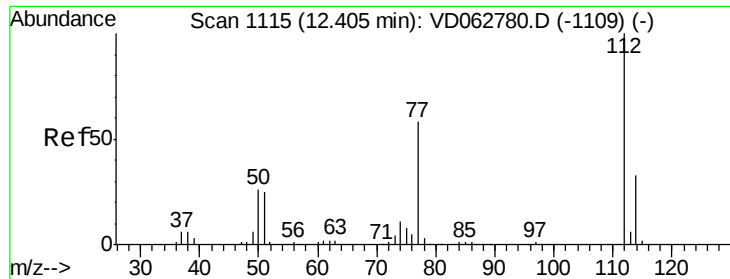
Tot Ion:117 Resp: 1007007
Ion Ratio Lower Upper
117 100
82 53.3 40.4 60.6
119 32.3 25.2 37.8



#64
Tetrachloroethene
Concen: 51.563 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion:164 Resp: 427352
Ion Ratio Lower Upper
164 100
166 129.8 100.6 150.8
129 89.3 69.4 104.0
131 87.3 69.3 103.9

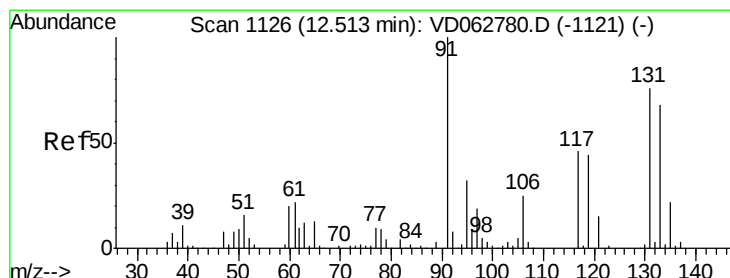
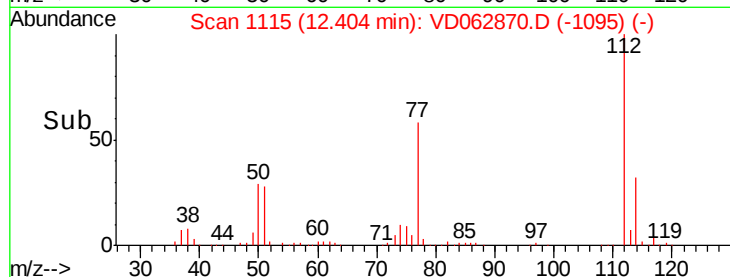
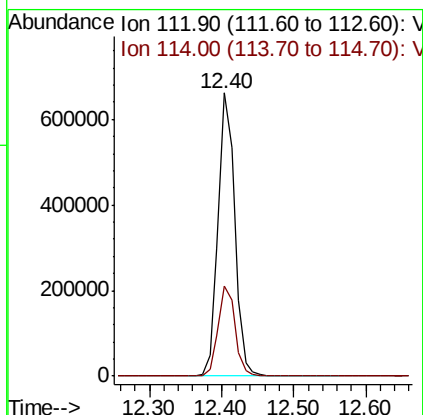
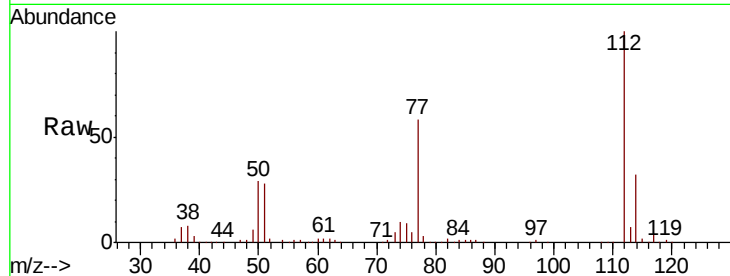




#65
Chlorobenzene
Concen: 56.256 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

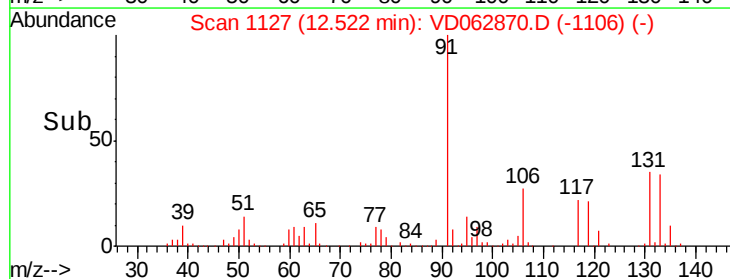
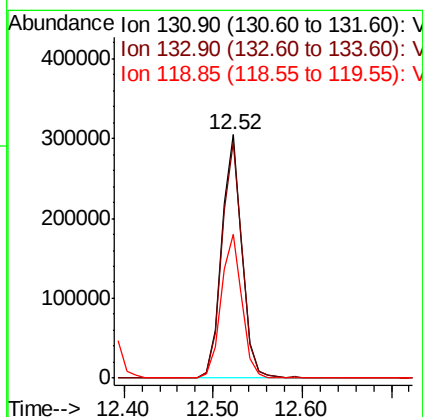
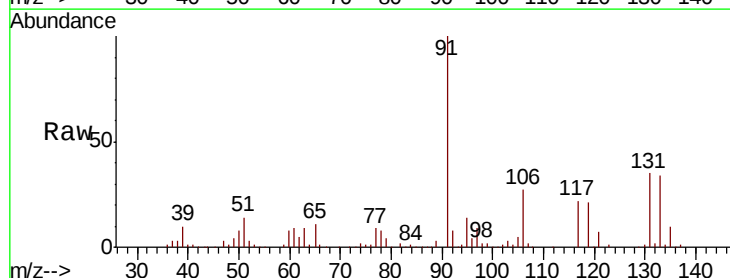
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

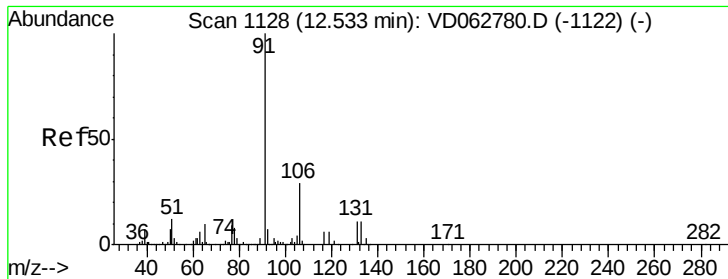
Tot Ion:112 Resp: 1051372
Ion Ratio Lower Upper
112 100
114 32.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 55.974 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion:131 Resp: 489218
Ion Ratio Lower Upper
131 100
133 96.9 44.5 133.3
119 59.1 28.6 85.9

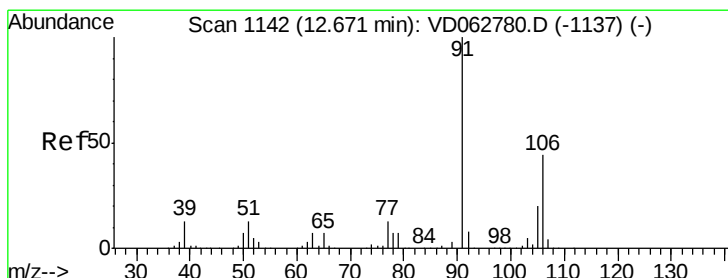
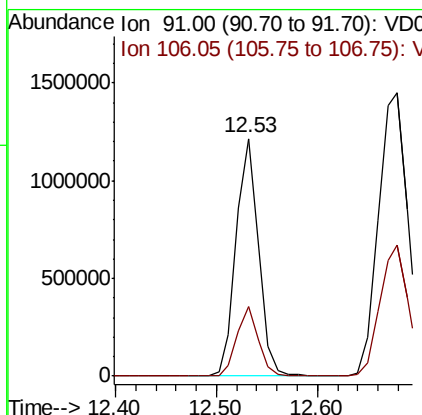
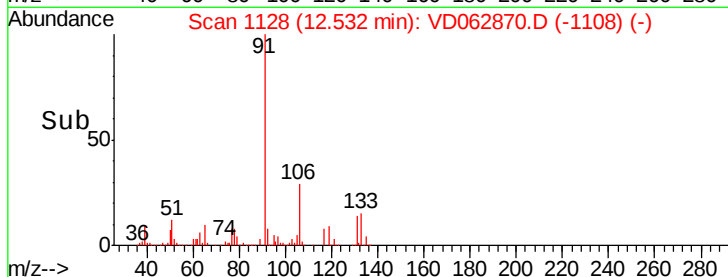
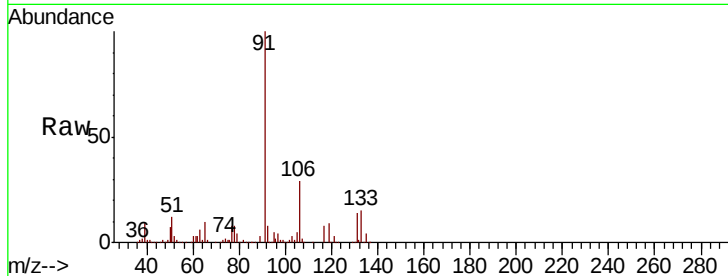




#67
Ethyl Benzene
Concen: 55.794 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

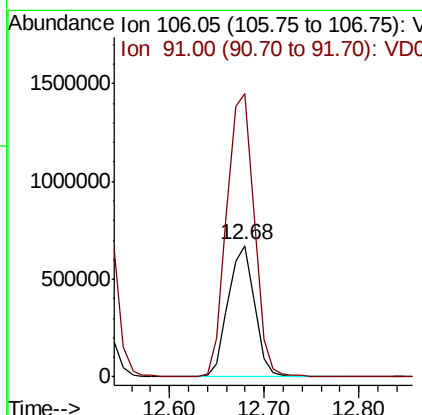
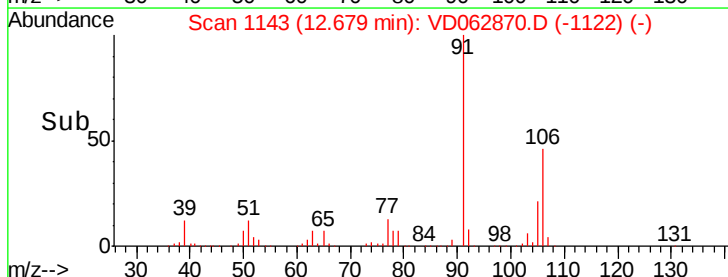
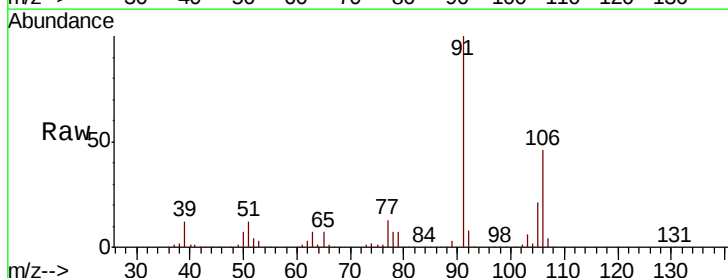
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1872104
Ion Ratio Lower Upper
91 100
106 29.4 23.1 34.7



#68
m/p-Xylenes
Concen: 111.609 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion: 106 Resp: 1304325
Ion Ratio Lower Upper
106 100
91 215.3 183.0 274.6

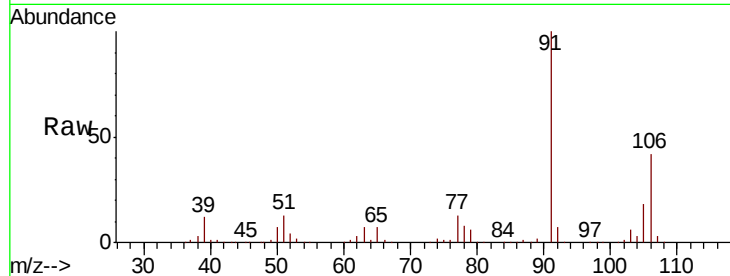




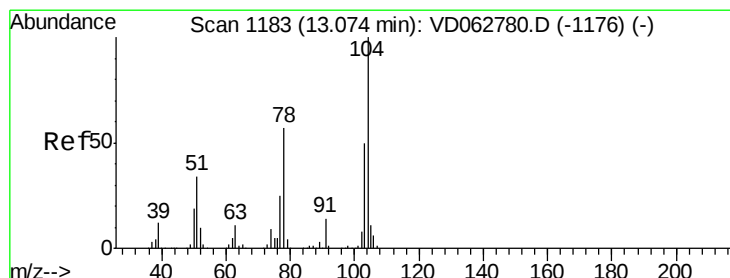
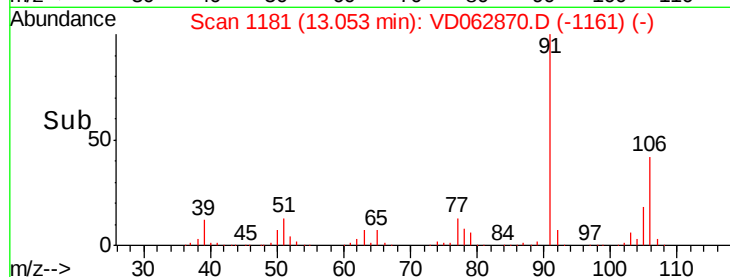
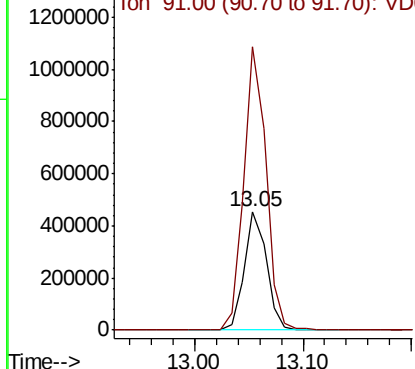
#69
o-Xylene
Concen: 60.974 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 651397
Ion Ratio Lower Upper
106 100
91 238.9 117.9 353.6

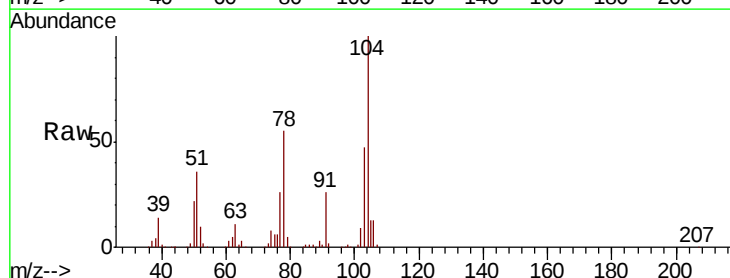


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

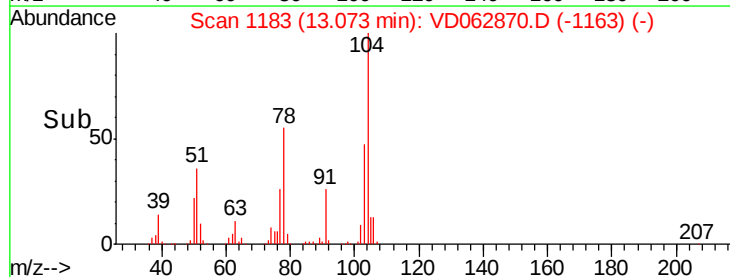
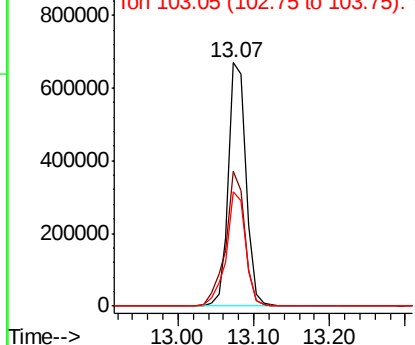


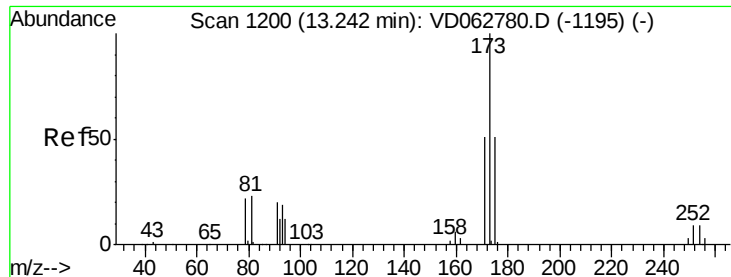
#70
Styrene
Concen: 57.140 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion:104 Resp: 1072211
Ion Ratio Lower Upper
104 100
78 55.3 45.4 68.2
103 46.8 39.7 59.5



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





#71

Bromoform

Concen: 58.378 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

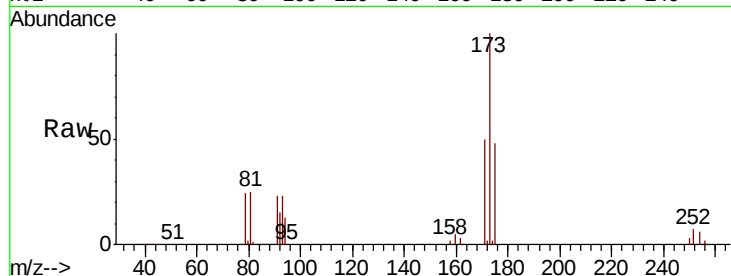
Tot Ion:173 Resp: 349579

Ion Ratio Lower Upper

173 100

175 48.0 25.3 75.9

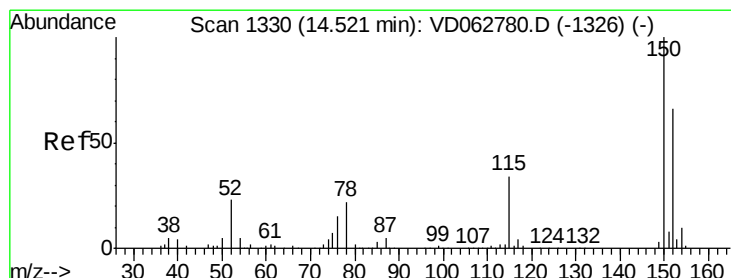
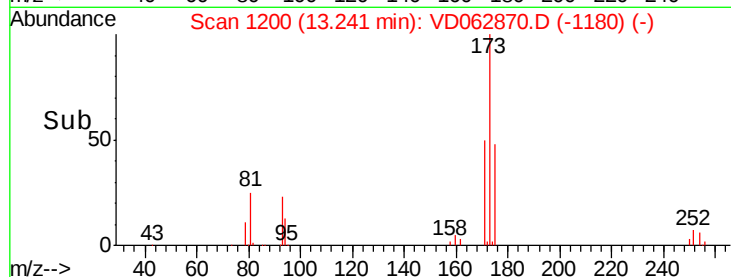
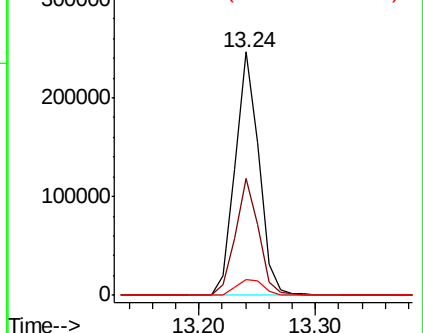
254 6.2 7.1 10.7#



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: VD062870.D

Acq: 25 Jun 2019 9:20

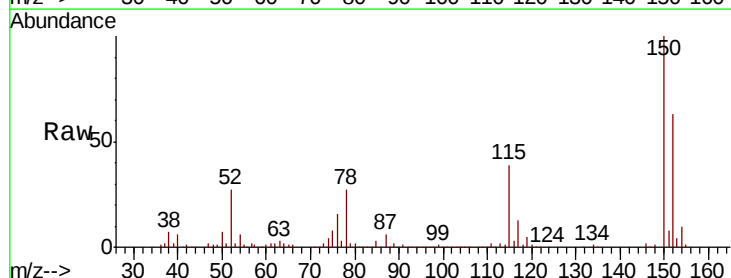
Tgt Ion:152 Resp: 588335

Ion Ratio Lower Upper

152 100

115 63.0 29.2 87.6

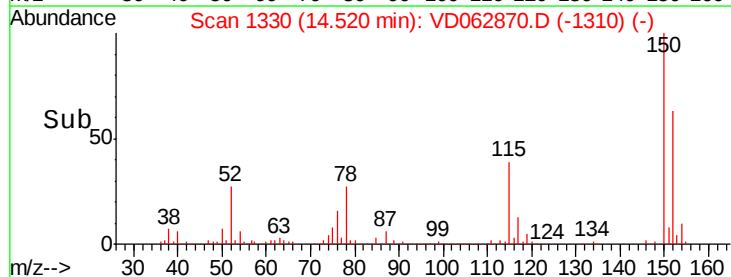
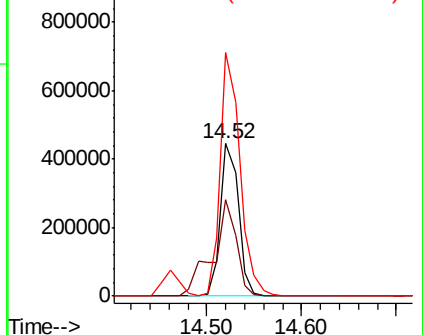
150 159.6 0.0 305.8



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: 49.978 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

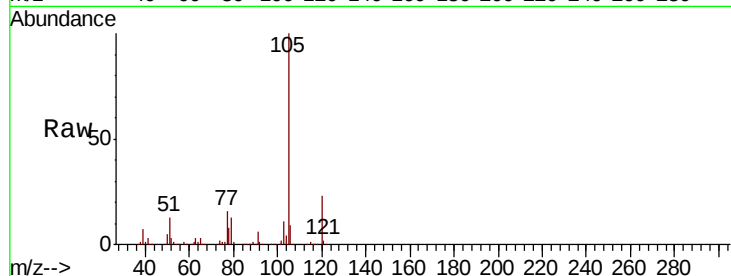
VSTDCCC050

Tot Ion:105 Resp: 1885330

Ion Ratio Lower Upper

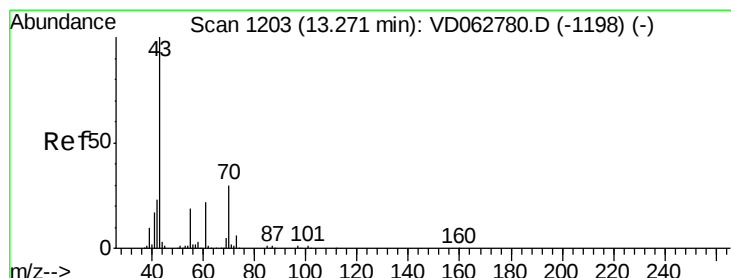
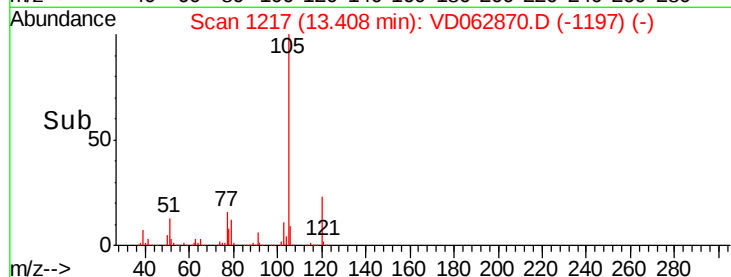
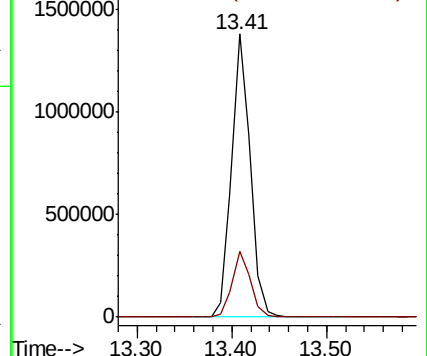
105 100

120 23.0 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.386 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Tgt Ion: 43 Resp: 489068

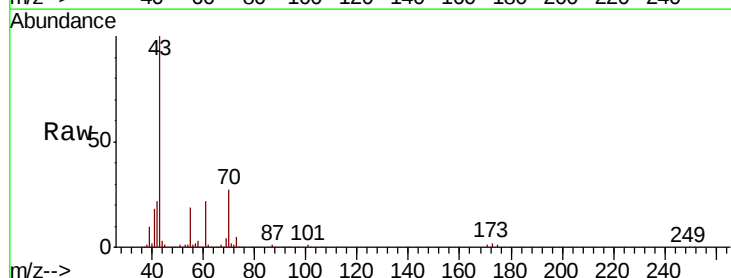
Ion Ratio Lower Upper

43 100

70 26.8 24.4 36.6

55 18.7 15.2 22.8

61 21.9 17.4 26.2

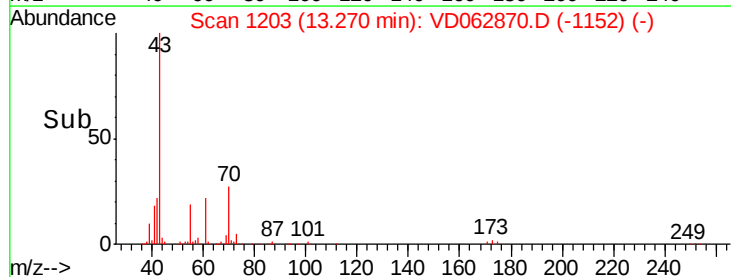
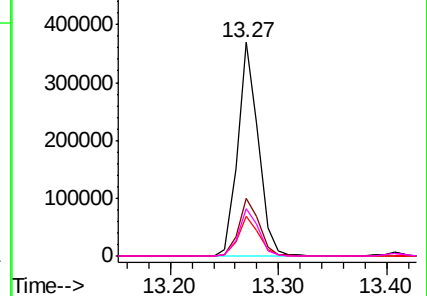


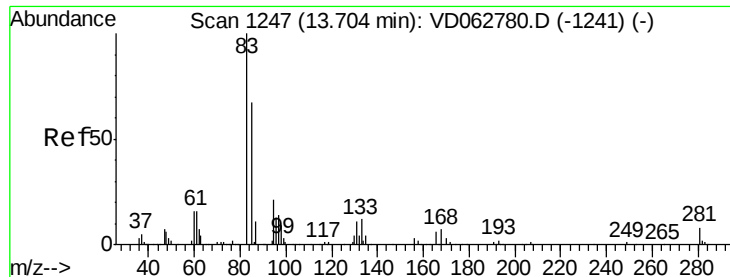
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 51.471 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

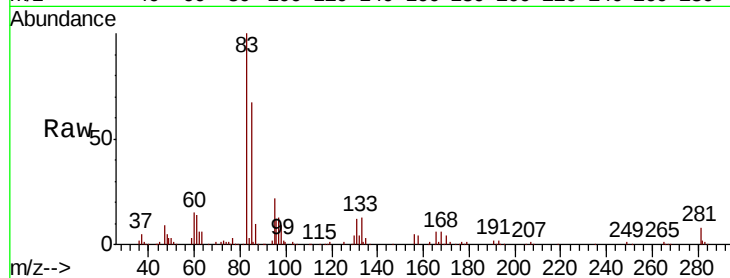
Tot Ion: 83 Resp: 316360

Ion Ratio Lower Upper

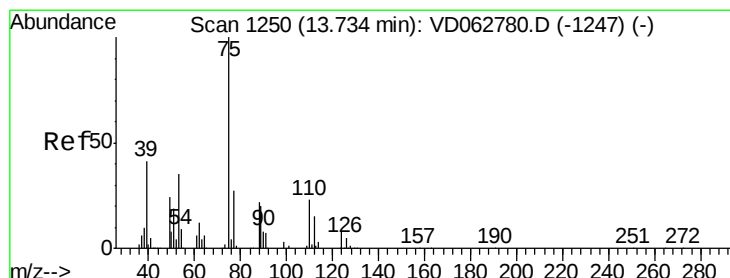
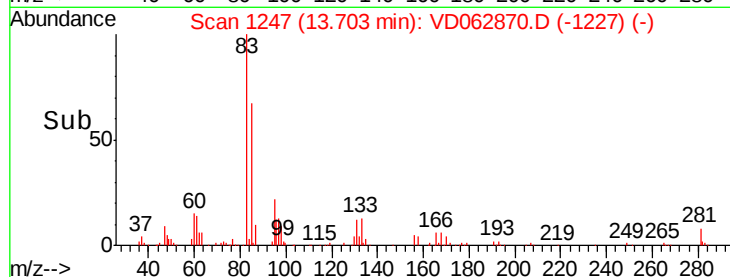
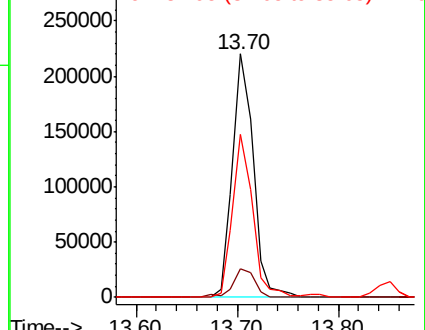
83 100

131 11.6 5.3 16.1

85 66.7 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: 51.170 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062870.D

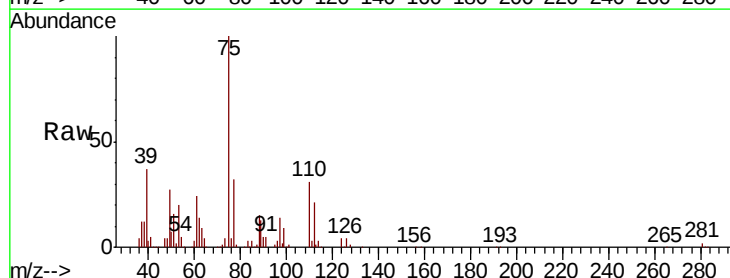
Acq: 25 Jun 2019 9:20

Tgt Ion: 75 Resp: 347544

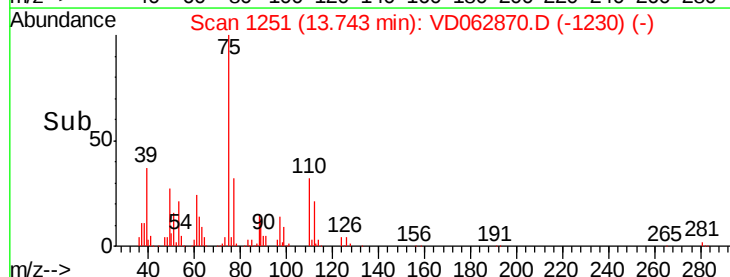
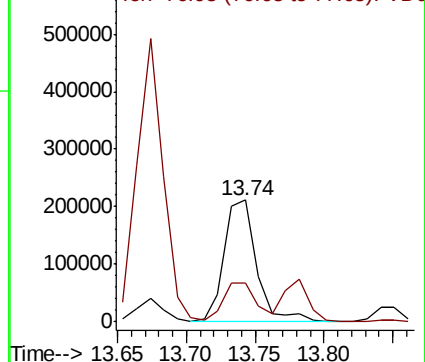
Ion Ratio Lower Upper

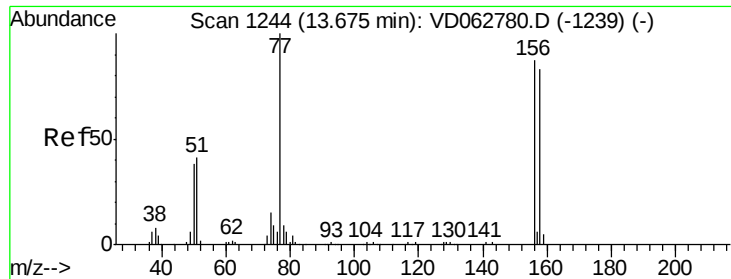
75 100

77 32.1 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: 51.625 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

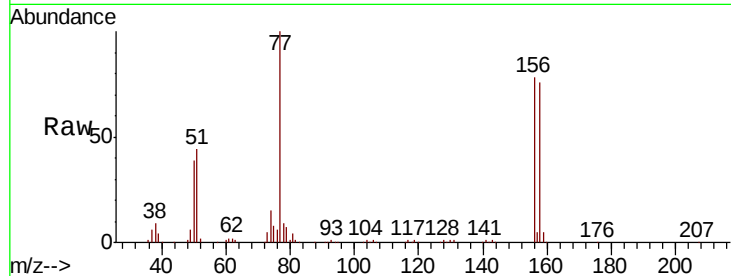
Tot Ion:156 Resp: 523804

Ion Ratio Lower Upper

156 100

77 128.8 57.7 173.1

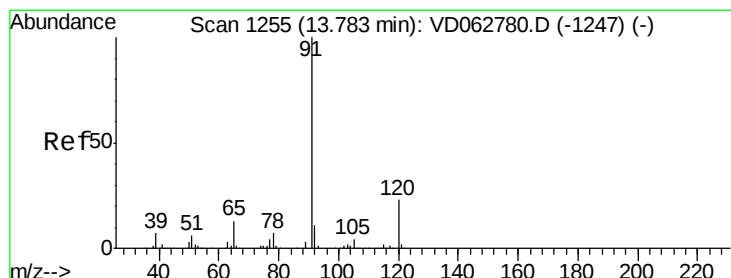
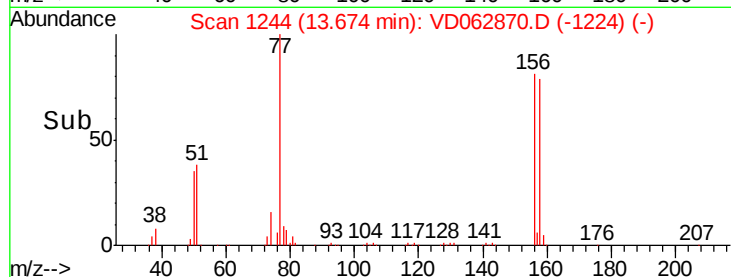
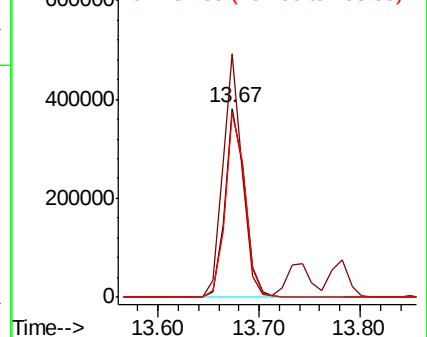
158 97.9 47.7 143.1



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: 52.109 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062870.D

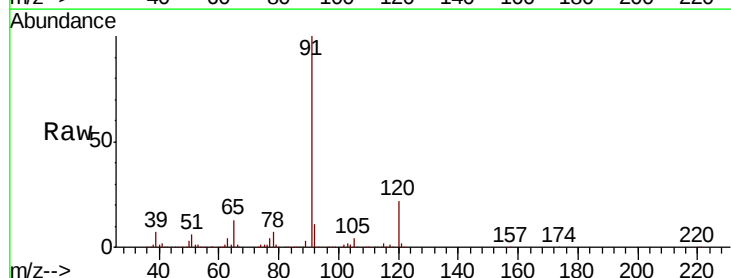
Acq: 25 Jun 2019 9:20

Tgt Ion: 91 Resp: 2287907

Ion Ratio Lower Upper

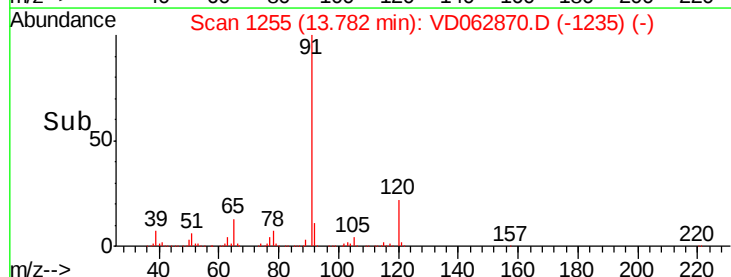
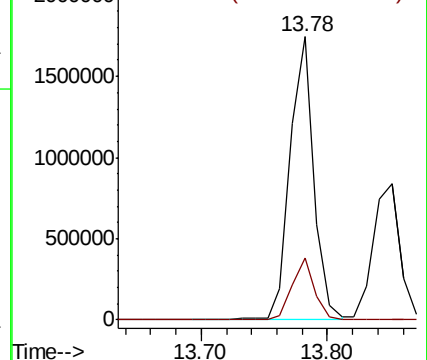
91 100

120 21.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

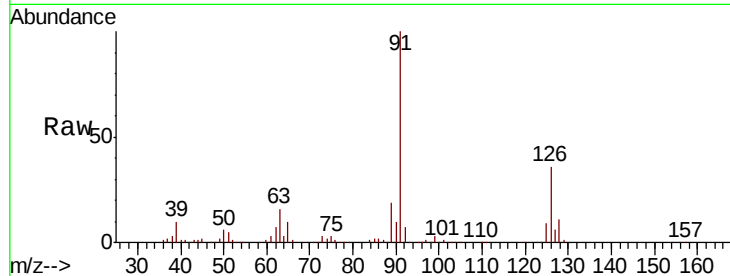




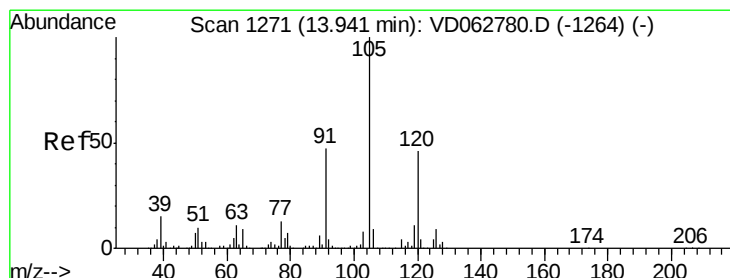
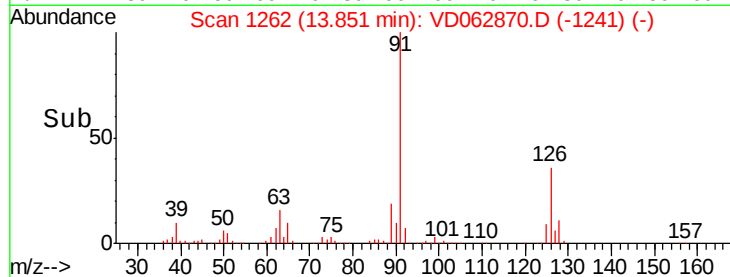
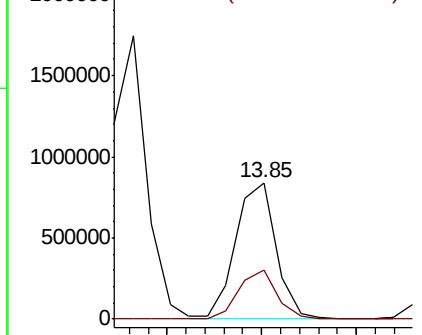
#79
 2-Chlorotoluene
 Concen: 49.450 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1240773
 Ion Ratio Lower Upper
 91 100
 126 35.6 15.7 47.1

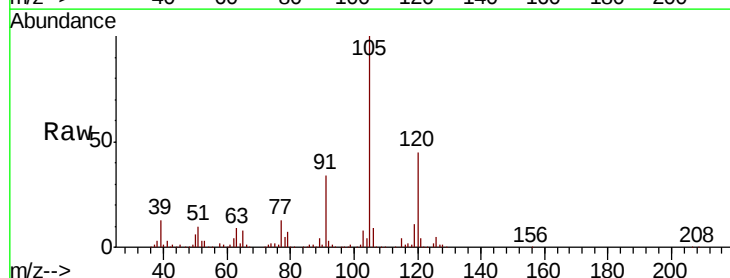


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

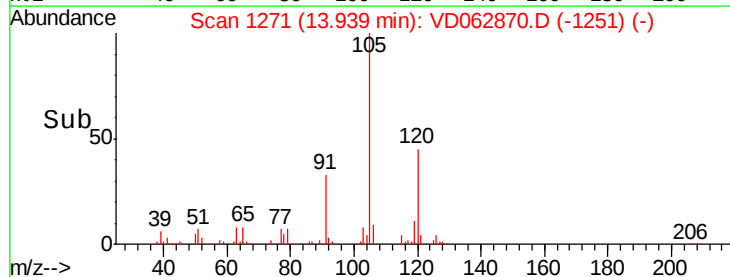
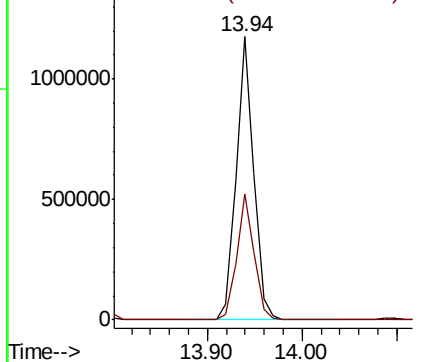


#80
 1,3,5-Trimethylbenzene
 Concen: 47.418 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion: 105 Resp: 1502496
 Ion Ratio Lower Upper
 105 100
 120 44.7 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: 50.927 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

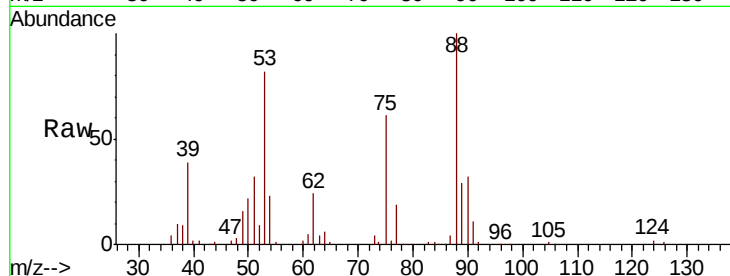
Tot Ion: 75 Resp: 90653

Ion Ratio Lower Upper

75 100

53 133.9 97.8 146.8

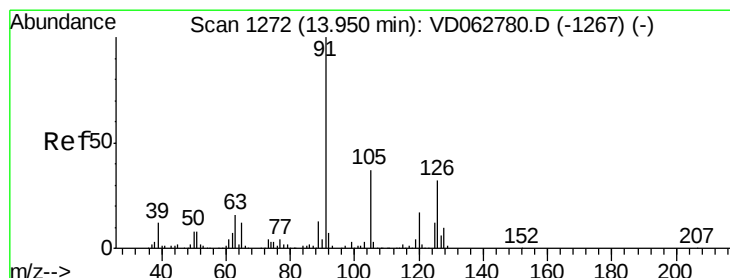
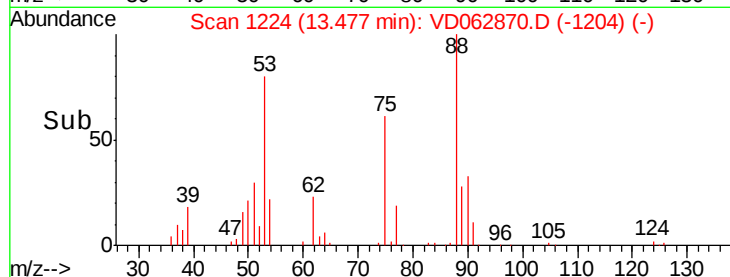
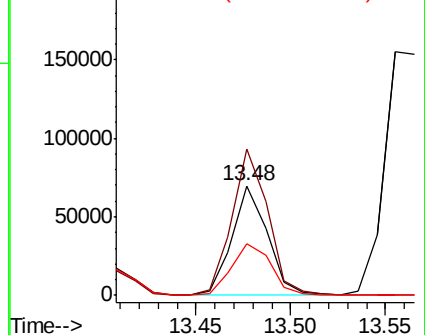
89 47.0 39.4 59.2



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: 48.051 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062870.D

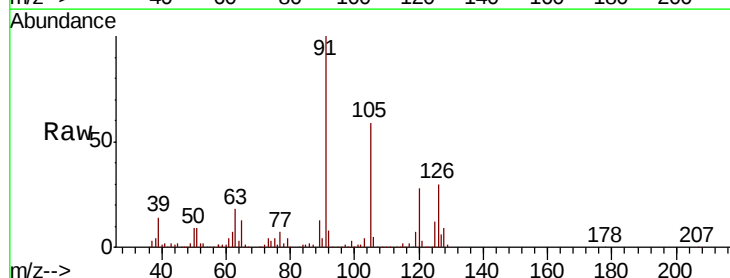
Acq: 25 Jun 2019 9:20

Tgt Ion: 91 Resp: 1451516

Ion Ratio Lower Upper

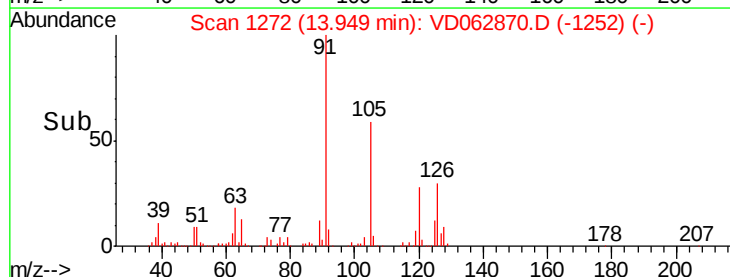
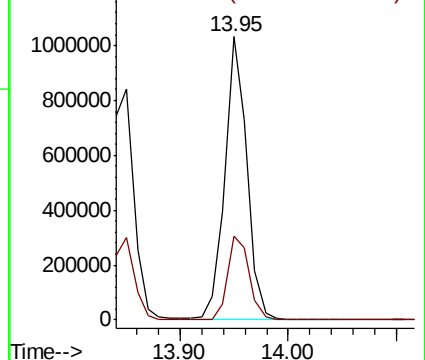
91 100

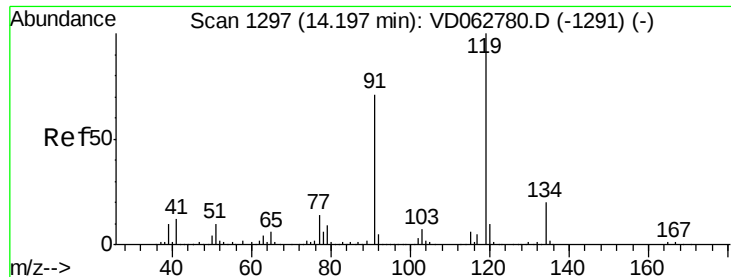
126 29.7 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 52.886 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

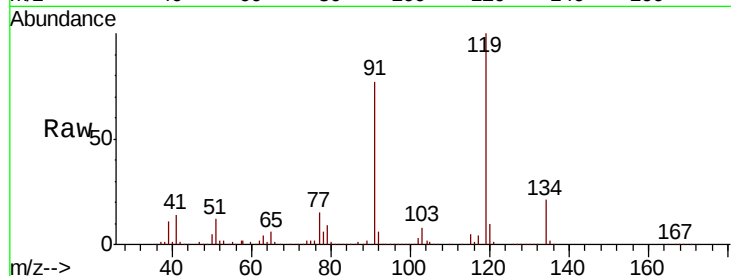
Tot Ion:119 Resp: 1867869

Ion Ratio Lower Upper

119 100

91 77.0 35.5 106.5

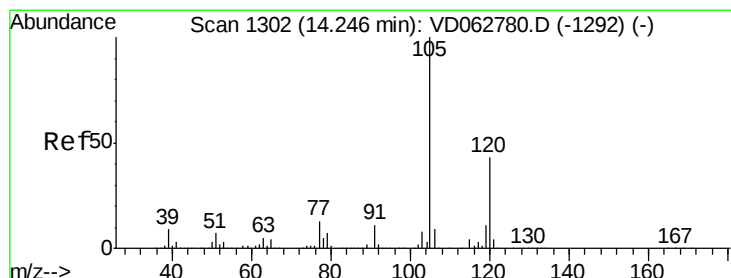
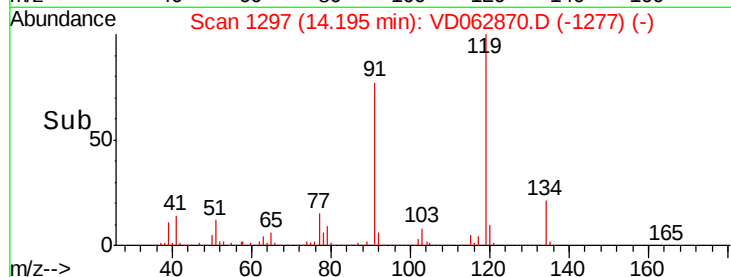
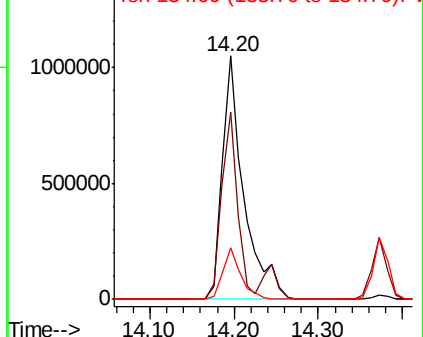
134 21.2 10.2 30.6



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: 52.622 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD062870.D

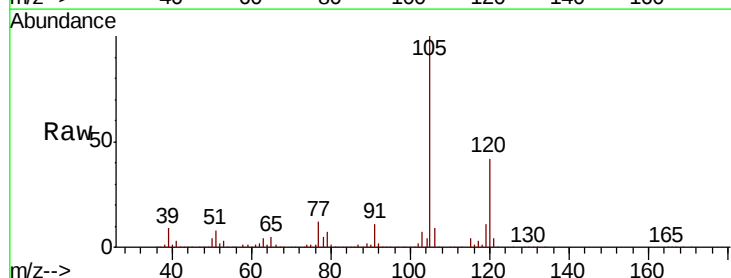
Acq: 25 Jun 2019 9:20

Tgt Ion:105 Resp: 1708989

Ion Ratio Lower Upper

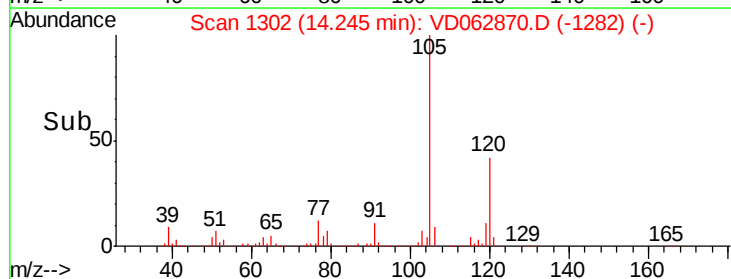
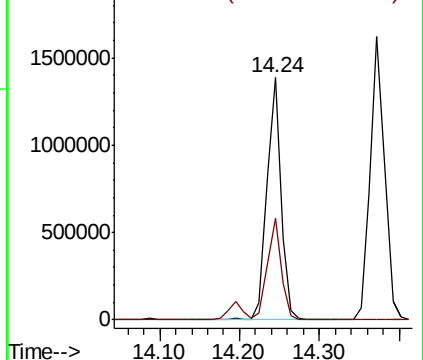
105 100

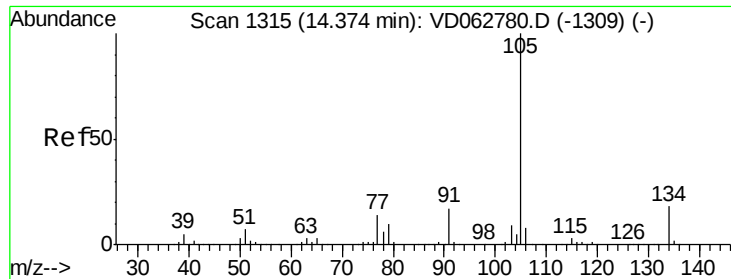
120 42.0 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

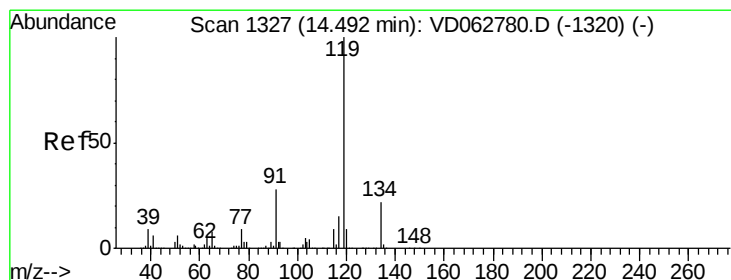
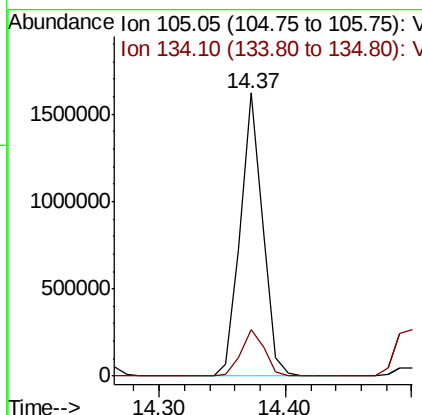
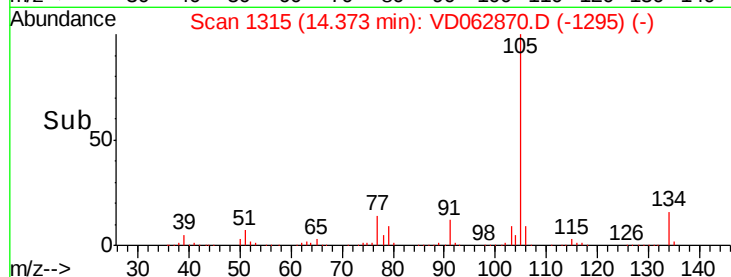
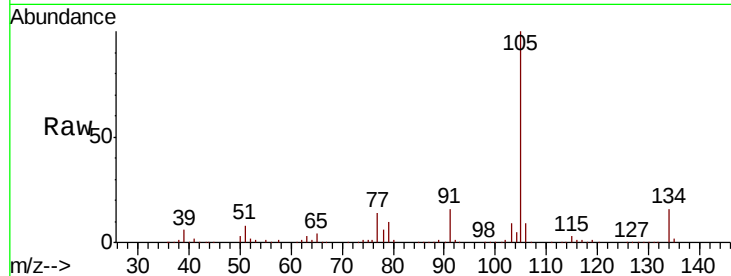




#85
 sec-Butylbenzene
 Concen: 51.428 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

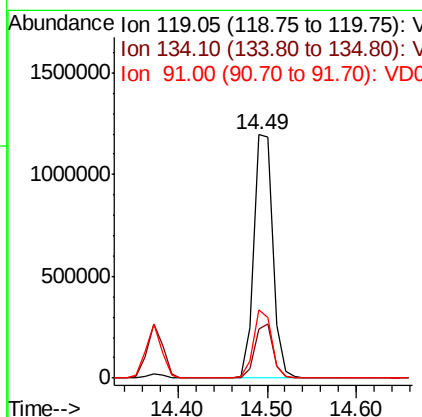
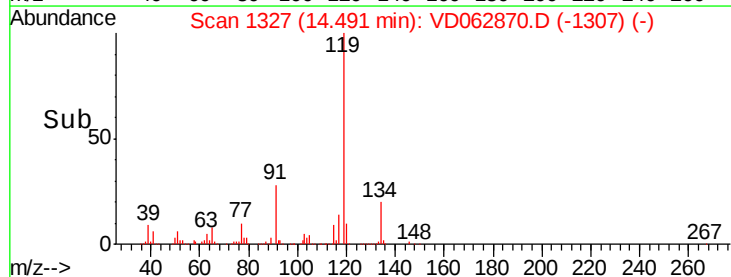
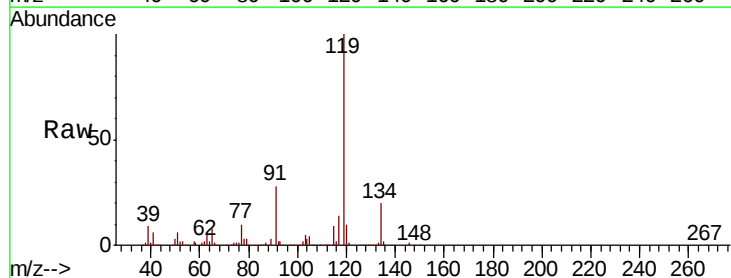
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

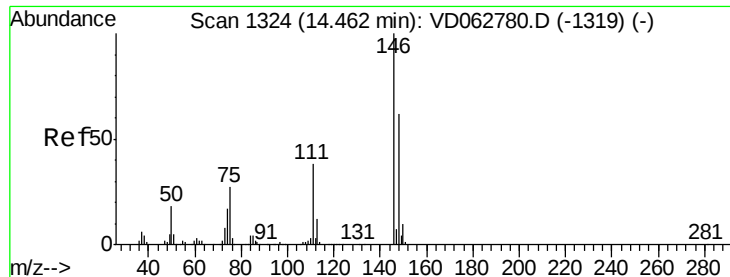
Tot Ion:105 Resp: 1974157
 Ion Ratio Lower Upper
 105 100
 134 16.3 9.1 27.3



#86
 p-Isopropyltoluene
 Concen: 49.779 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion:119 Resp: 1748104
 Ion Ratio Lower Upper
 119 100
 134 20.2 11.1 33.1
 91 28.1 14.0 41.9

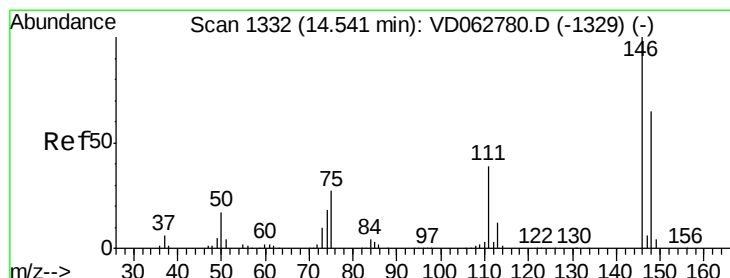
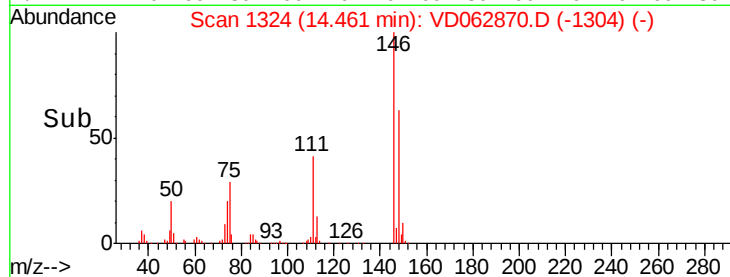
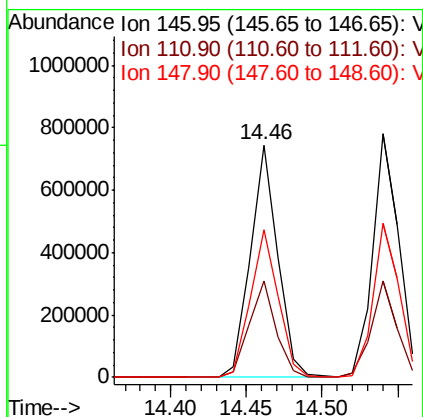
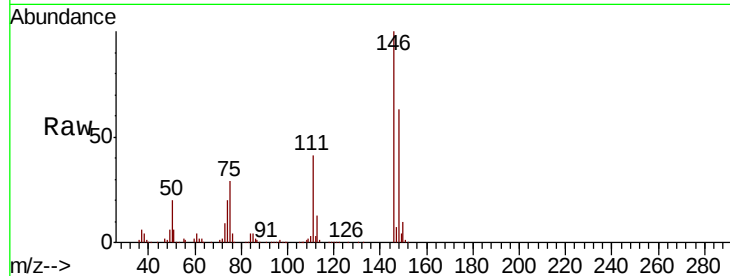




#87
 1,3-Dichlorobenzene
 Concen: 51.660 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

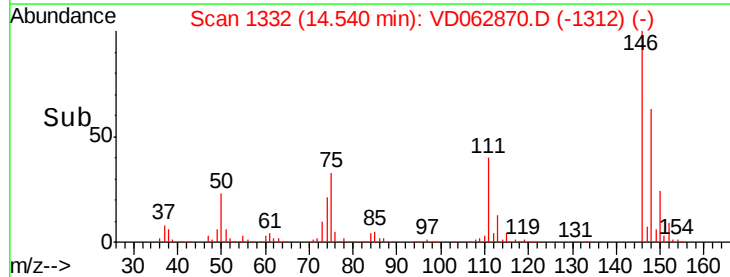
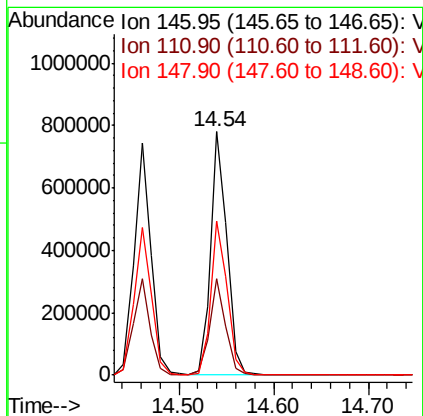
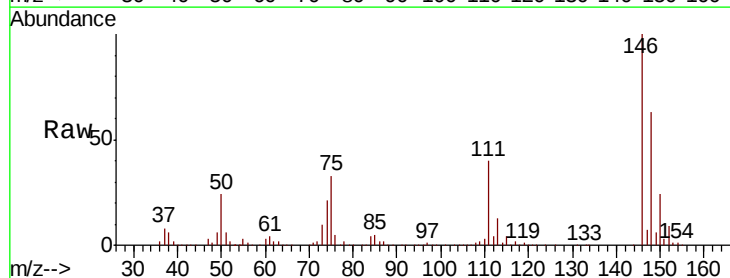
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

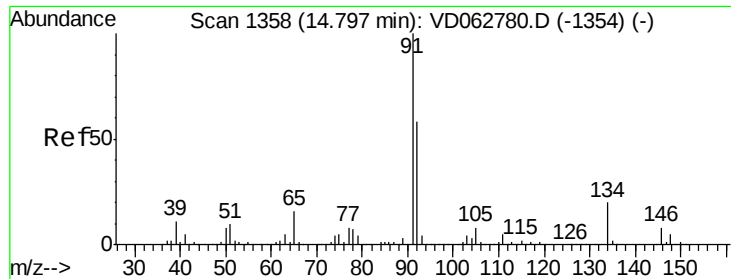
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.0	57.0
148	63.5	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 51.686 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	63.1	32.8	98.3





#89

n-Butylbenzene

Concen: 53.296 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062870.D

Acq: 25 Jun 2019 9:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

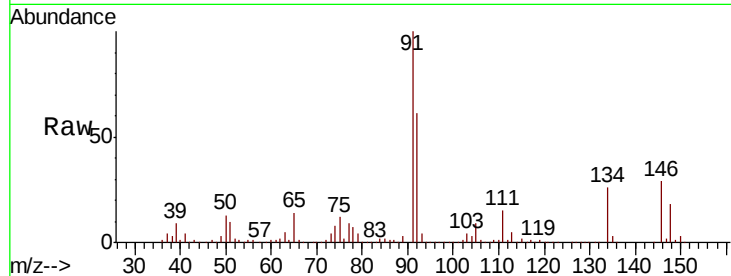
Tot Ion: 91 Resp: 1751766

Ion Ratio Lower Upper

91 100

92 61.2 28.9 86.7

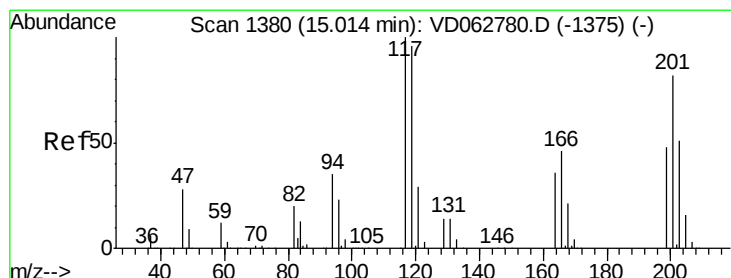
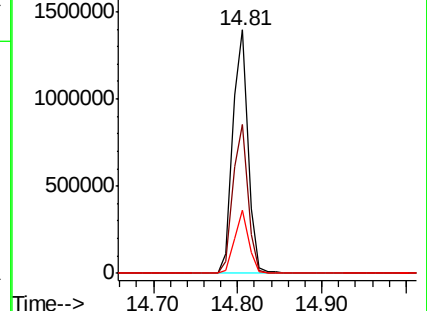
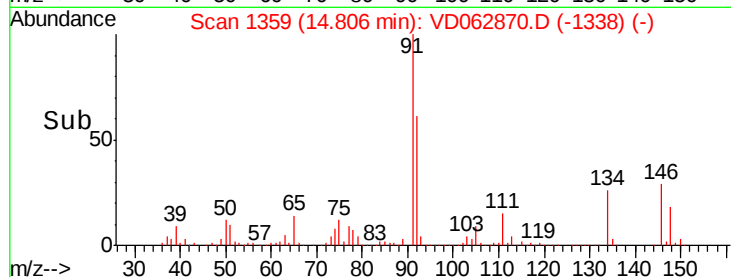
134 26.2 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 52.637 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062870.D

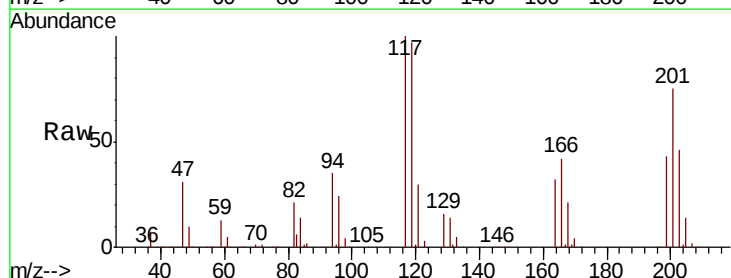
Acq: 25 Jun 2019 9:20

Tgt Ion: 117 Resp: 497006

Ion Ratio Lower Upper

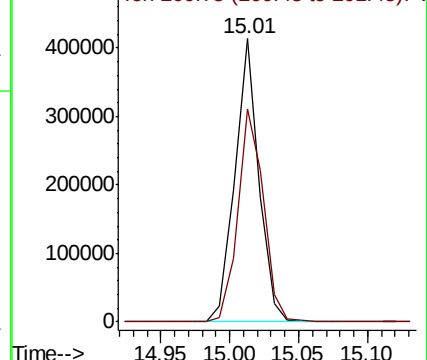
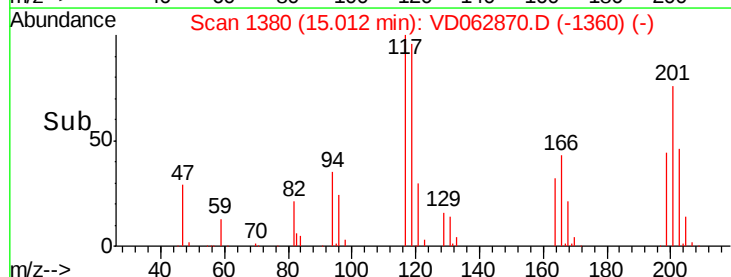
117 100

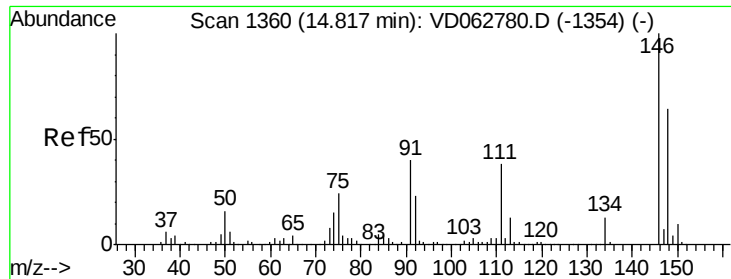
201 75.4 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

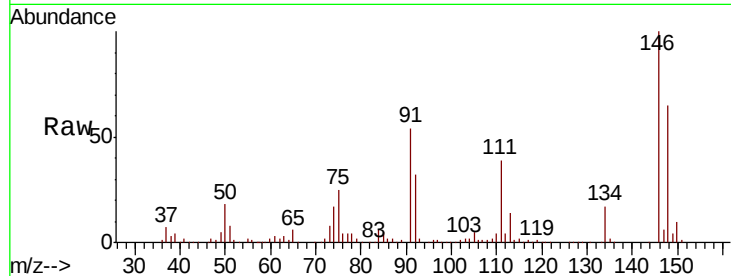




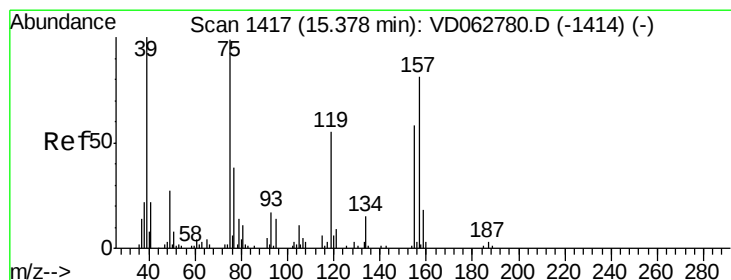
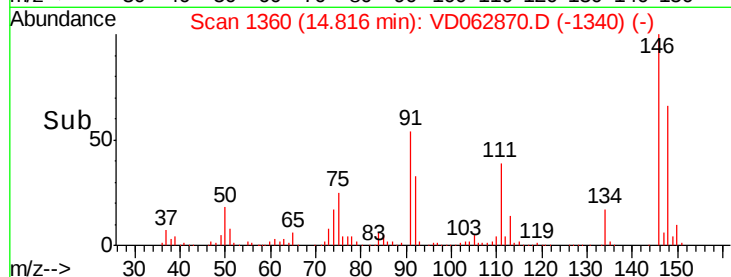
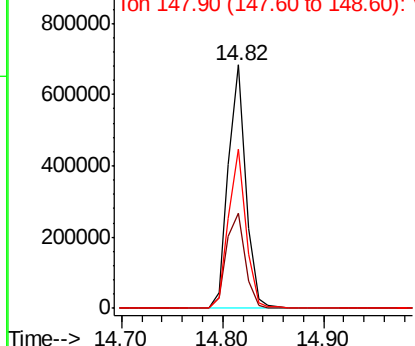
#91
 1,2-Dichlorobenzene
 Concen: 53.352 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 830234
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.1 57.1
 148 65.5 32.3 96.8

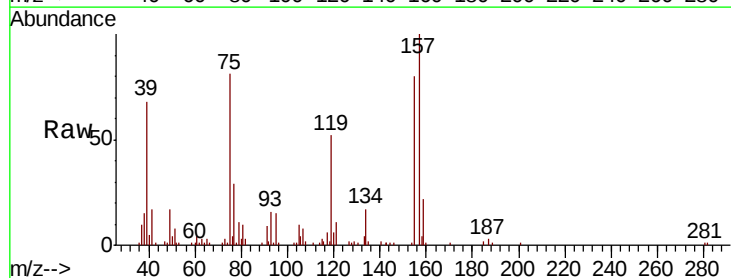


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

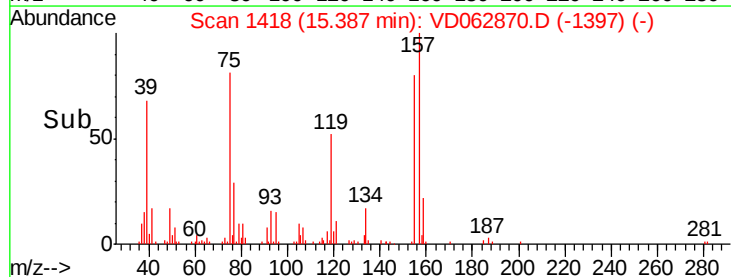
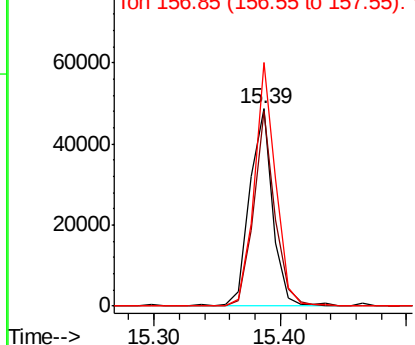


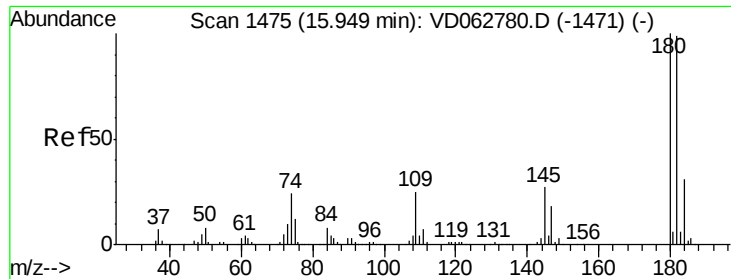
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.196 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion: 75 Resp: 61417
 Ion Ratio Lower Upper
 75 100
 155 99.0 29.3 87.8#
 157 123.5 41.3 123.7



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

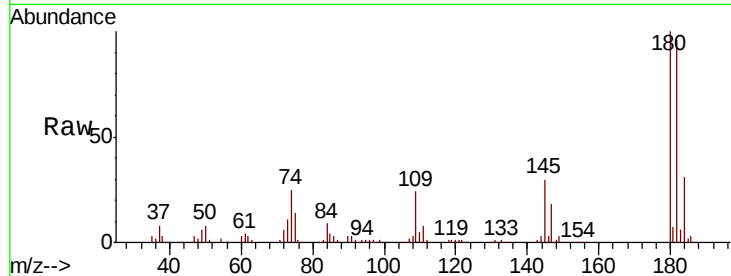




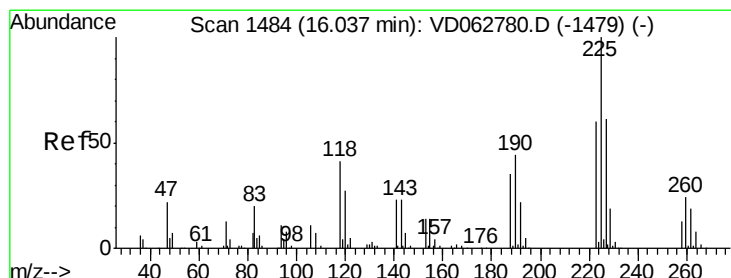
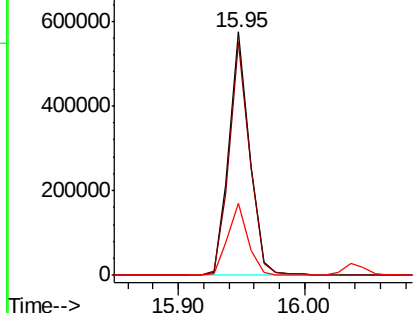
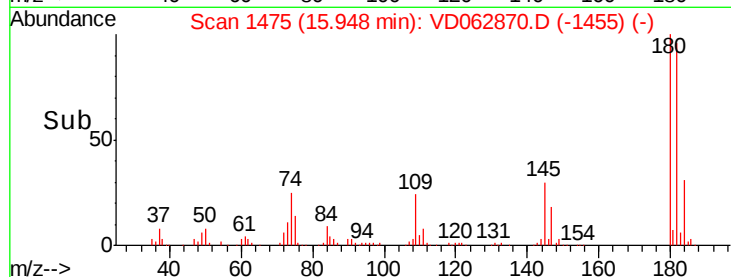
#93
 1,2,4-Trichlorobenzene
 Concen: 53.588 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	49.5	148.5
145	29.7	13.7	41.0

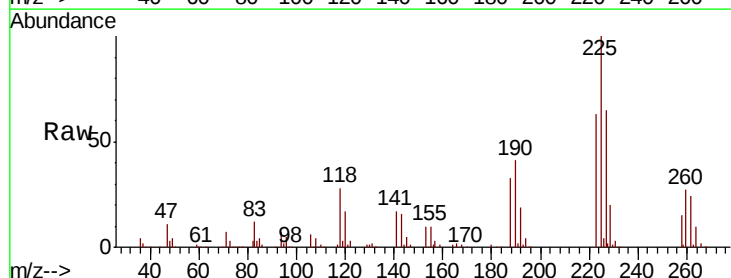


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

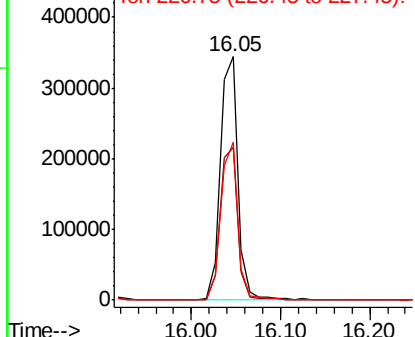
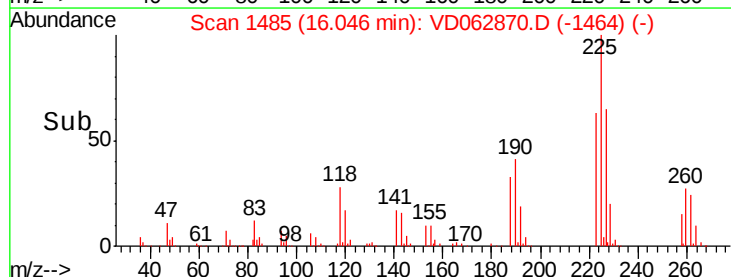


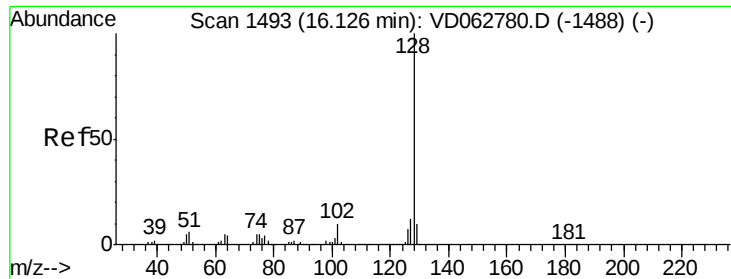
#94
 Hexachlorobutadiene
 Concen: 51.522 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062870.D
 Acq: 25 Jun 2019 9:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	29.8	89.5
227	64.9	30.6	91.6



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

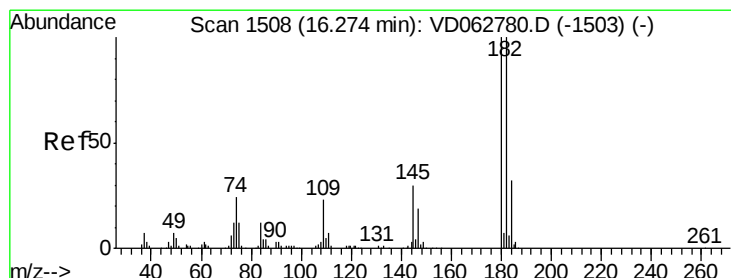
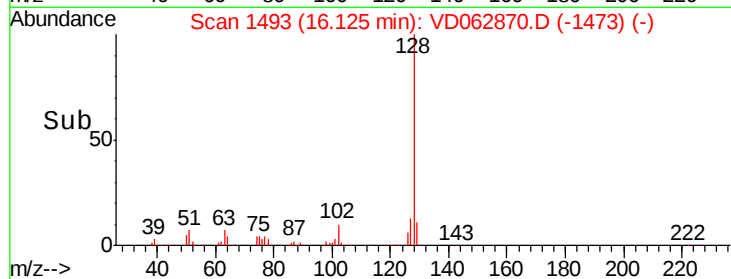
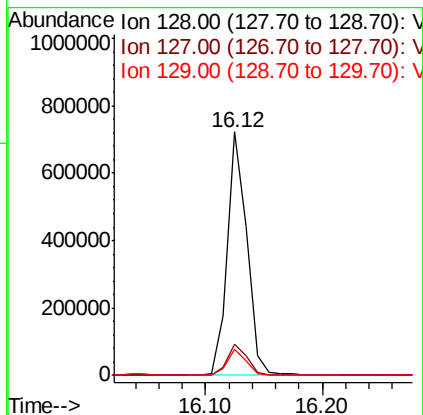
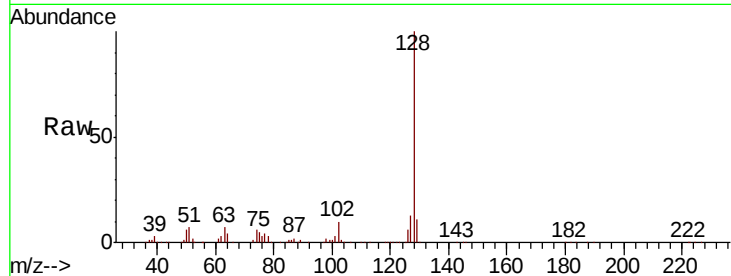




#95
Naphthalene
Concen: 49.715 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 847030
Ion Ratio Lower Upper
128 100
127 12.8 9.7 14.5
129 10.5 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 48.600 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062870.D
Acq: 25 Jun 2019 9:20

Tgt Ion:180 Resp: 453920
Ion Ratio Lower Upper
180 100
182 97.0 49.9 149.6
145 32.6 15.2 45.5

