

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060619\
 Data File : VD062630.D
 Acq On : 6 Jun 2019 17:47
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jun 07 04:38:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	677454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	931014	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	807166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	436698	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	520068	56.20	ug/l	0.00
Spiked Amount			Recovery	=	112.40%	
35) Dibromofluoromethane	6.94	113	524812	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
50) Toluene-d8	10.42	98	1147204	55.43	ug/l	0.00
Spiked Amount			Recovery	=	110.86%	
62) 4-Bromofluorobenzene	13.56	95	523628	54.34	ug/l	0.00
Spiked Amount			Recovery	=	108.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	389282	46.677	ug/l	100
3) Chloromethane	1.75	50	319507	49.259	ug/l	100
4) Vinyl Chloride	1.85	62	351551	54.986	ug/l	100
5) Bromomethane	2.15	94	193071	59.653	ug/l	100
6) Chloroethane	2.27	64	196396	59.688	ug/l	100
7) Trichlorofluoromethane	2.54	101	779934	55.052	ug/l	100
8) Diethyl Ether	2.87	74	93777	51.565	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.16	101	451197	56.079	ug/l	100
10) Methyl Iodide	3.30	142	540273	53.882	ug/l	100
11) Tert butyl alcohol	4.09	59	83920	208.425	ug/l	100
12) 1,1-Dichloroethene	3.13	96	325216	56.034	ug/l	100
13) Acrolein	3.05	56	35914	246.634	ug/l	100
14) Allyl chloride	3.63	41	485329	54.909	ug/l	100
15) Acrylonitrile	4.21	53	239038	267.105	ug/l	100
16) Acetone	3.23	43	501699	300.055	ug/l	100
17) Carbon Disulfide	3.38	76	922588	54.480	ug/l	100
18) Methyl Acetate	3.65	43	129130	44.185	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	786066	55.334	ug/l	100
20) Methylene Chloride	3.82	84	298212	46.766	ug/l	100
21) trans-1,2-Dichloroethene	4.23	96	362060	56.599	ug/l	100
22) Diisopropyl ether	5.13	45	996546	53.621	ug/l	100
23) Vinyl Acetate	5.07	43	3243377	283.681	ug/l	100
24) 1,1-Dichloroethane	5.00	63	628892	53.184	ug/l	100
25) 2-Butanone	6.08	43	418494	269.301	ug/l	100
26) 2,2-Dichloropropane	6.03	77	726247	56.221	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	352941	52.110	ug/l	100
28) Bromochloromethane	6.45	49	253077	56.145	ug/l	100
29) Tetrahydrofuran	6.46	42	195631	269.893	ug/l	100
30) Chloroform	6.67	83	825347	55.757	ug/l	100
31) Cyclohexane	6.97	56	414464	54.520	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	845879	56.289	ug/l	100
36) 1,1-Dichloropropene	7.15	75	544585	54.033	ug/l	100
37) Ethyl Acetate	6.20	43	224061	55.476	ug/l	100
38) Carbon Tetrachloride	7.12	117	865490m	57.641	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	445521	52.761	ug/l	100
40) Benzene	7.47	78	1022286	52.536	ug/l	100
41) Methacrylonitrile	6.46	41	274161	52.990	ug/l	100
42) 1,2-Dichloroethane	7.59	62	646183	55.593	ug/l	100
43) Isopropyl Acetate	9.25	43	295679	53.859	ug/l	100
44) Trichloroethene	8.55	130	436727	54.392	ug/l	100
45) 1,2-Dichloropropane	8.95	63	248062	51.271	ug/l	100
46) Dibromomethane	9.07	93	242382	56.478	ug/l	100
47) Bromodichloromethane	9.39	83	633830	55.102	ug/l	100
48) Methyl methacrylate	9.13	41	196139	52.942	ug/l	100
49) 1,4-Dioxane	9.09	88	34198	1152.027	ug/l	100
51) 4-Methyl-2-Pentanone	10.31	43	998404	275.424	ug/l	100
52) Toluene	10.52	92	737133	56.141	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	561157	58.226	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	565108	57.932	ug/l	100
55) 1,1,2-Trichloroethane	11.20	97	245894	54.903	ug/l	100
56) Ethyl methacrylate	11.05	69	259078	53.524	ug/l	100
57) 1,3-Dichloropropane	11.42	76	362717	52.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	585956	230.309	ug/l	100
59) 2-Hexanone	11.54	43	758206	277.369	ug/l	100
60) Dibromochloromethane	11.69	129	499294	57.057	ug/l	100
61) 1,2-Dibromoethane	11.81	107	292963	53.599	ug/l	100
64) Tetrachloroethene	11.27	164	397609	55.218	ug/l	100
65) Chlorobenzene	12.40	112	912287	55.019	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	450204	56.289	ug/l	100
67) Ethyl Benzene	12.53	91	1688934	55.955	ug/l	100
68) m/p-Xylenes	12.68	106	1161661	110.930	ug/l	100
69) o-Xylene	13.05	106	543423	54.126	ug/l	100
70) Styrene	13.08	104	921471	54.435	ug/l	100
71) Bromoform	13.24	173	305564	55.919	ug/l	100
73) Isopropylbenzene	13.40	105	1652521	54.782	ug/l	100
74) N-amyl acetate	13.27	43	422818	54.196	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	271168	53.904	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	326503	57.101	ug/l	100
77) Bromobenzene	13.67	156	465008	55.768	ug/l	100
78) n-propylbenzene	13.78	91	2051748	57.936	ug/l	100
79) 2-Chlorotoluene	13.85	91	1173817	55.487	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	1469830	55.301	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	80415	55.534	ug/l	100
82) 4-Chlorotoluene	13.96	91	1408263	55.781	ug/l	100
83) tert-Butylbenzene	14.19	119	1564441	54.310	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1432735	53.835	ug/l	100
85) sec-Butylbenzene	14.37	105	1773806	59.440	ug/l	100
86) p-Isopropyltoluene	14.50	119	1633391	56.992	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	833720	58.006	ug/l	100
88) 1,4-Dichlorobenzene	14.55	146	802731	55.826	ug/l	100
89) n-Butylbenzene	14.80	91	1409774	53.842	ug/l	100
90) Hexachloroethane	15.01	117	431894	57.708	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	681172	52.794	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	57565	55.799	ug/l	100

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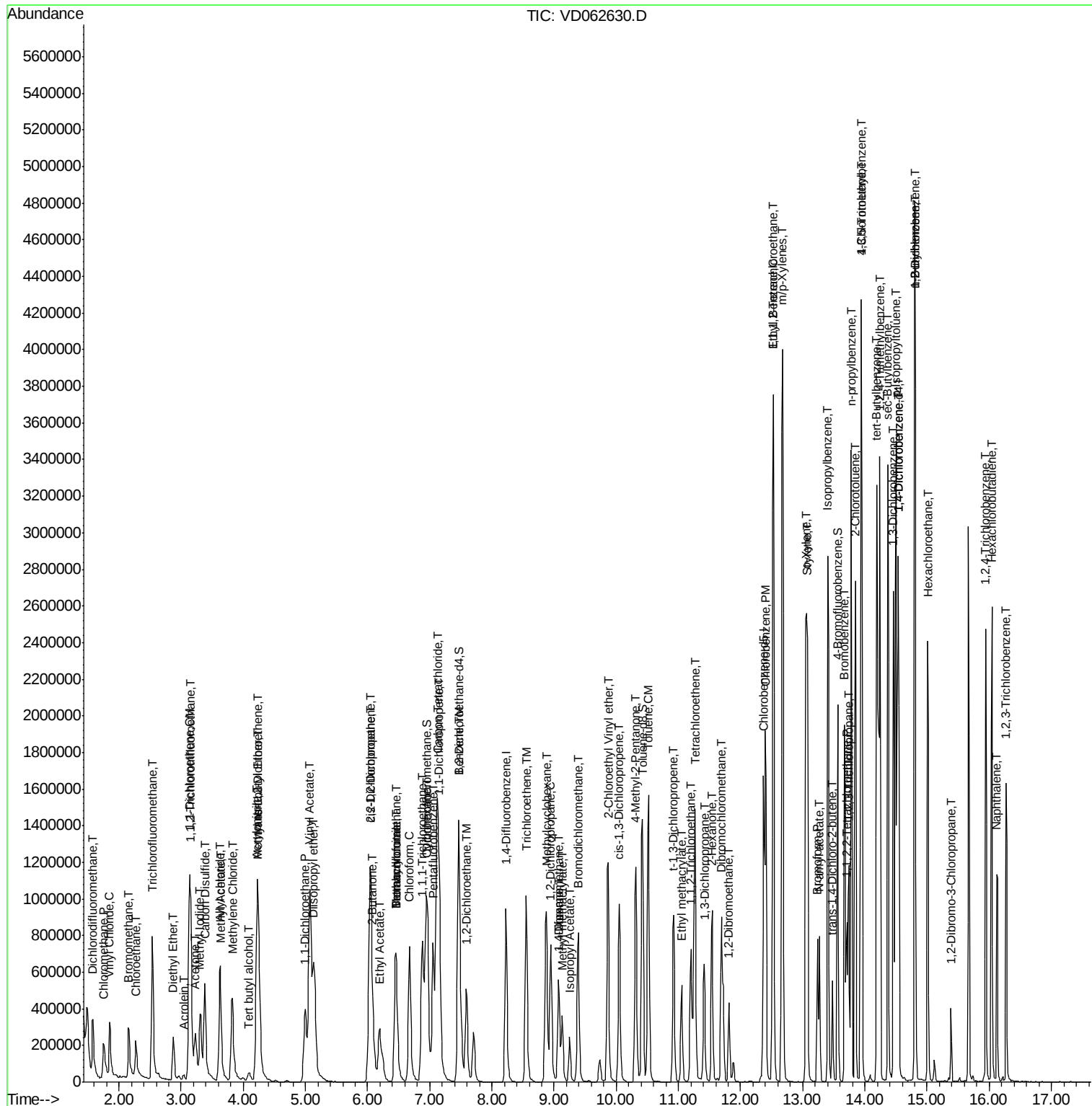
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	566350	59.482	ug/l	100
94) Hexachlorobutadiene	16.04	225	419928	58.833	ug/l	100
95) Naphthalene	16.13	128	756016	55.965	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	408767	56.844	ug/l	100

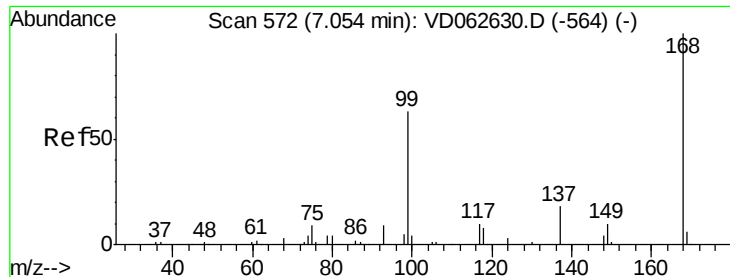
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

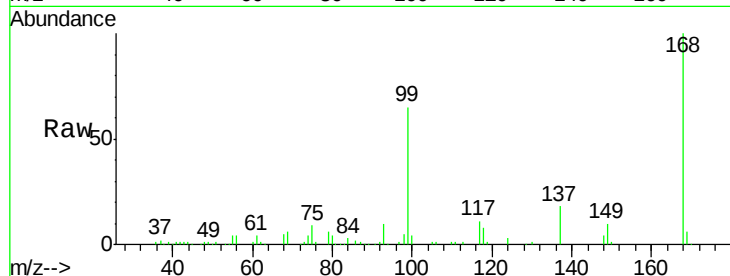
VSTDICCC050

Tot Ion:168 Resp: 677454

Ion Ratio Lower Upper

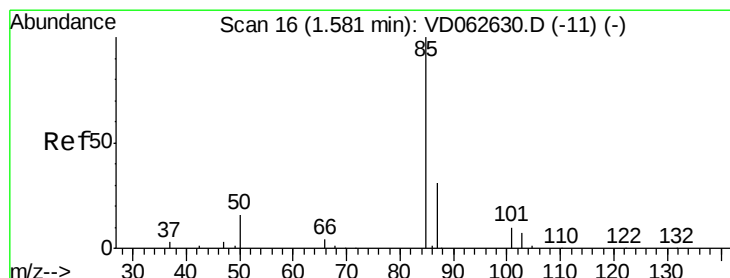
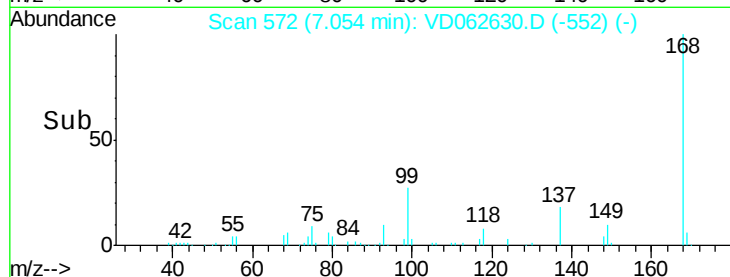
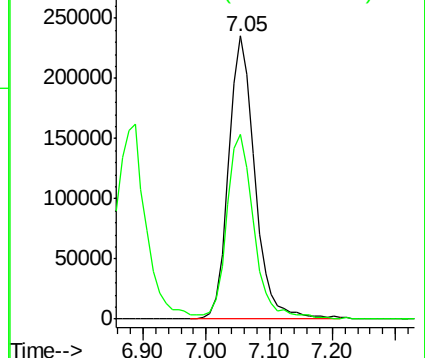
168 100

99 65.1 52.1 78.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 46.677 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD062630.D

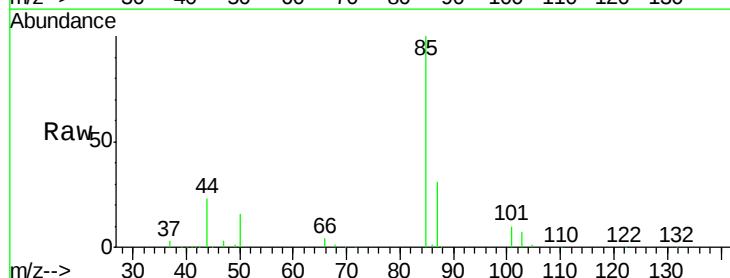
Acq: 6 Jun 2019 17:47

Tgt Ion: 85 Resp: 389282

Ion Ratio Lower Upper

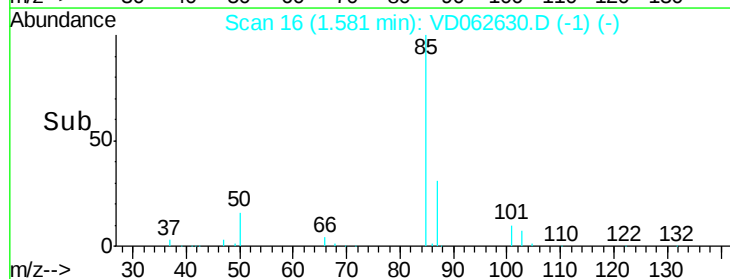
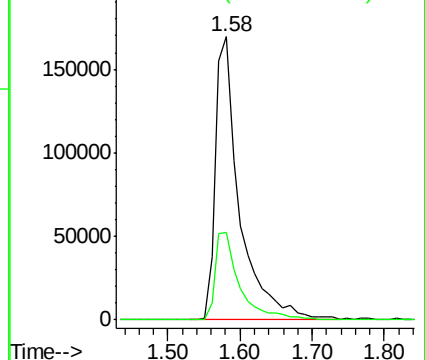
85 100

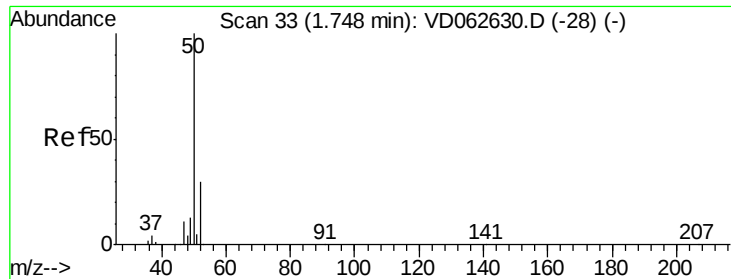
87 30.8 15.4 46.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.259 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

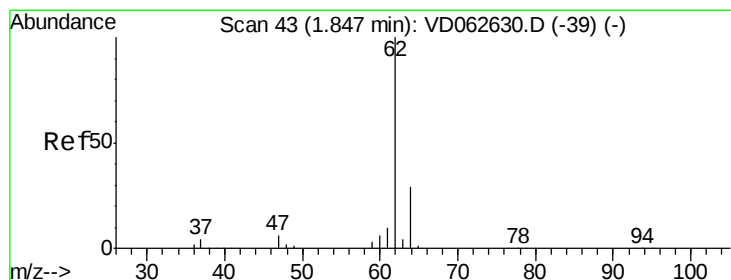
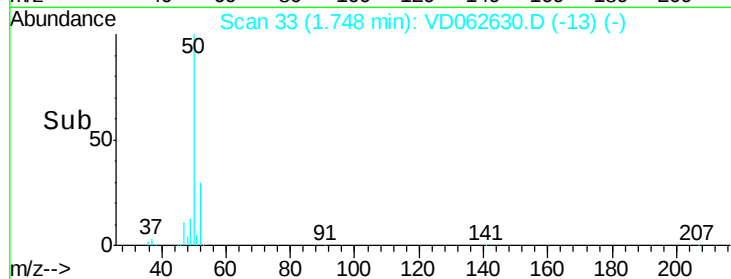
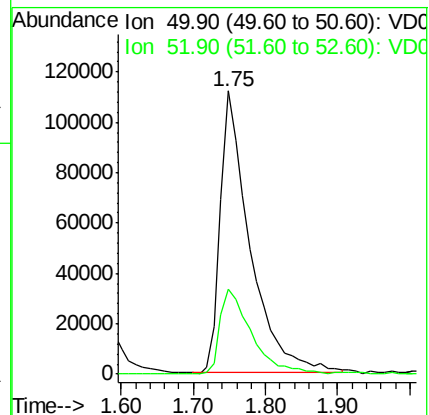
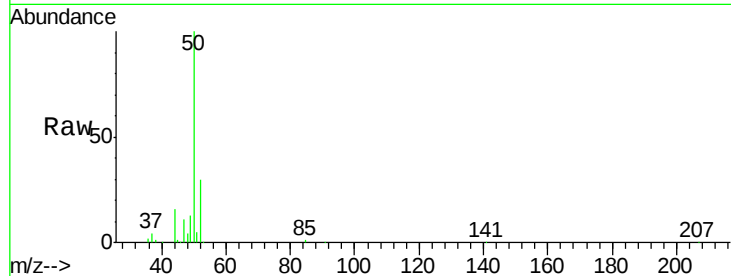
VSTDICCC050

Tot Ion: 50 Resp: 319507

Ion Ratio Lower Upper

50 100

52 30.2 24.2 36.2



#4

Vinyl Chloride

Concen: 54.986 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062630.D

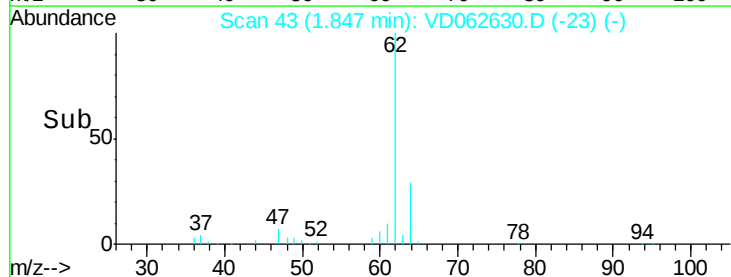
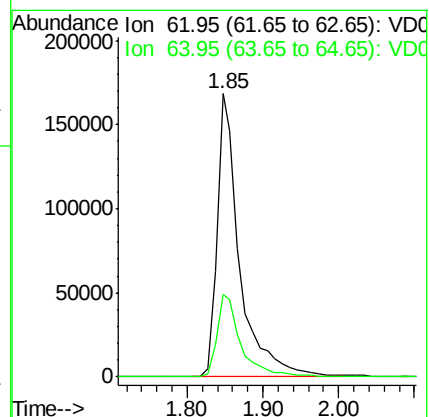
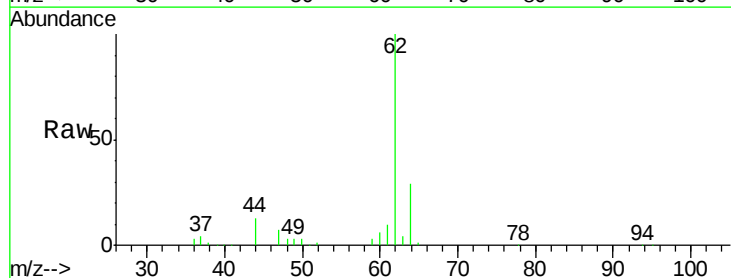
Acq: 6 Jun 2019 17:47

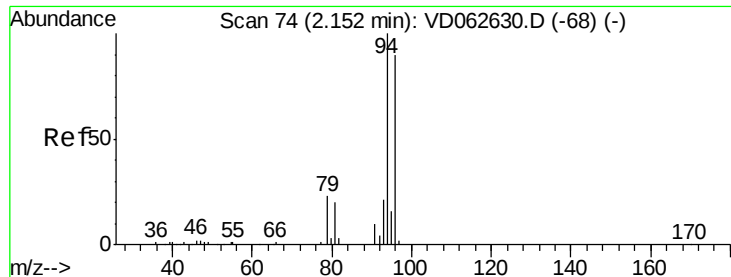
Tgt Ion: 62 Resp: 351551

Ion Ratio Lower Upper

62 100

64 29.1 23.3 34.9





#5

Bromomethane

Concen: 59.653 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

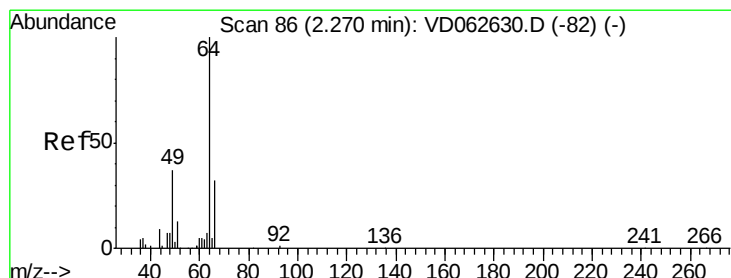
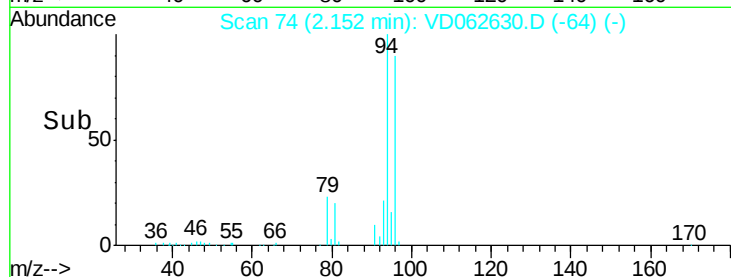
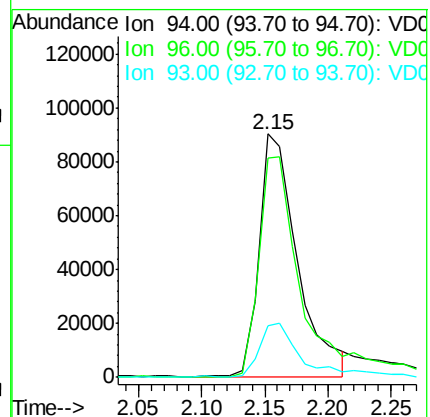
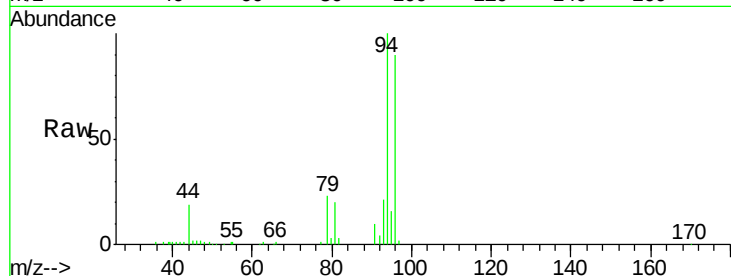
Tot Ion: 94 Resp: 193071

Ion Ratio Lower Upper

94 100

96 90.3 72.2 108.4

93 21.3 17.0 25.6



#6

Chloroethane

Concen: 59.688 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD062630.D

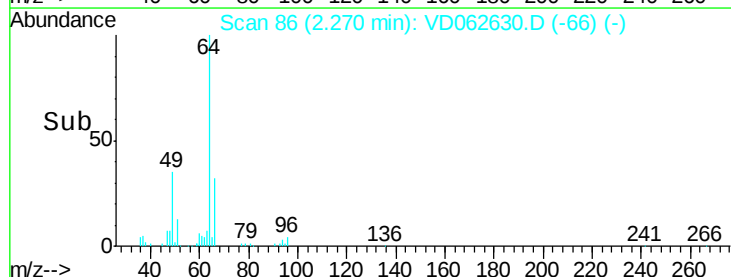
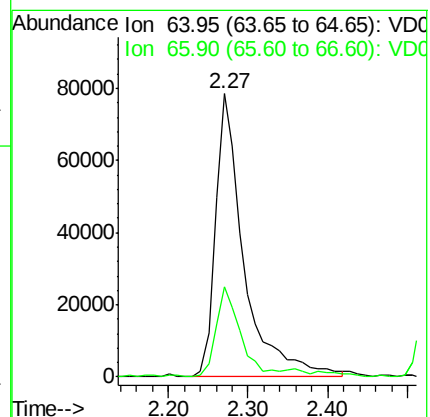
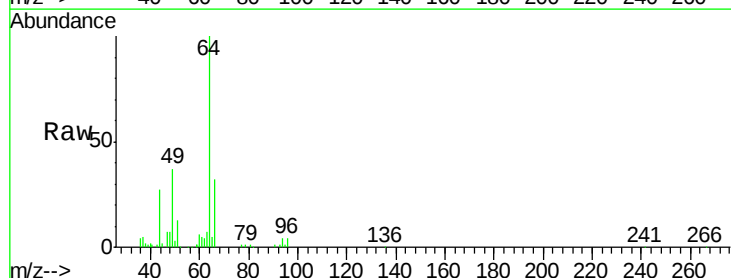
Acq: 6 Jun 2019 17:47

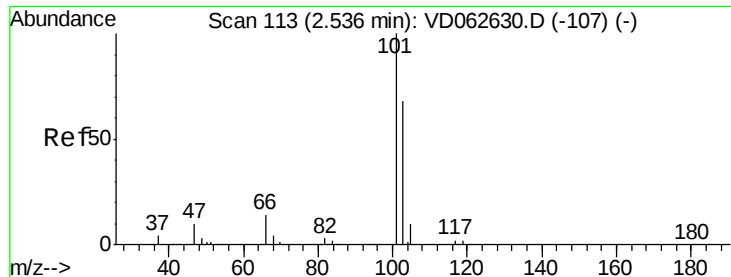
Tgt Ion: 64 Resp: 196396

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3



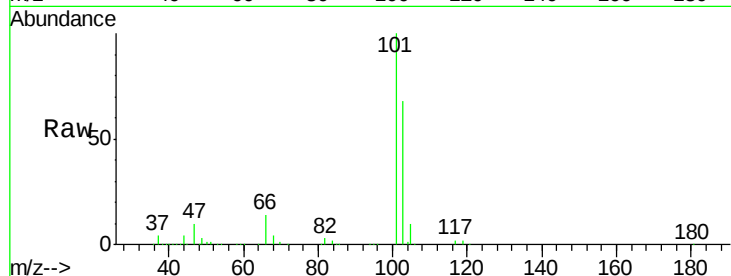


#7

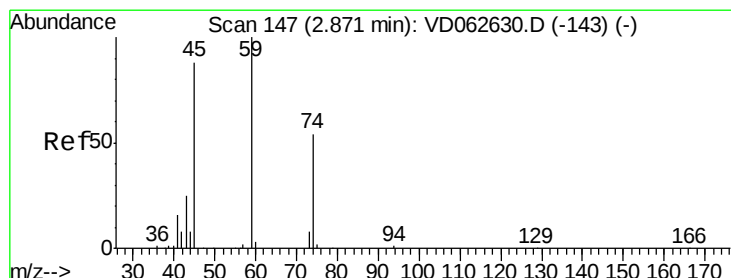
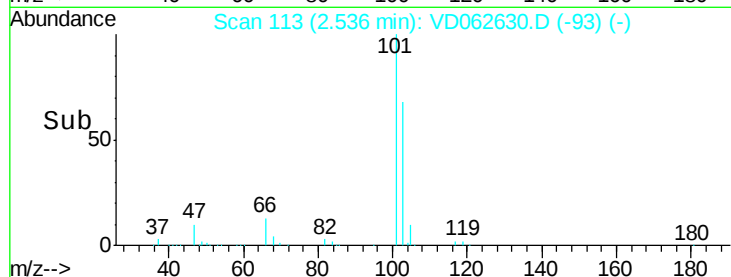
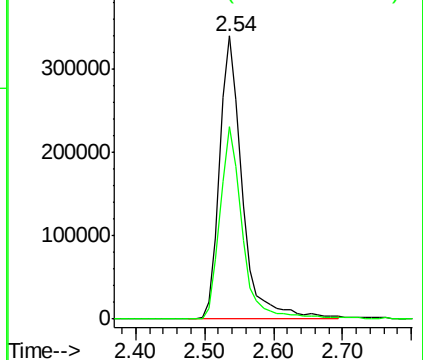
Trichlorofluoromethane
 Concen: 55.052 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

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Tot Ion:101 Resp: 779934
 Ion Ratio Lower Upper
 101 100
 103 68.2 54.6 81.8



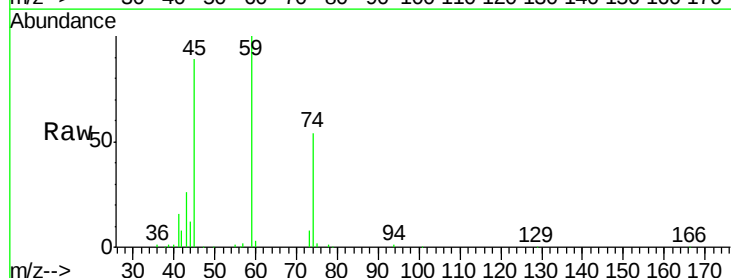
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



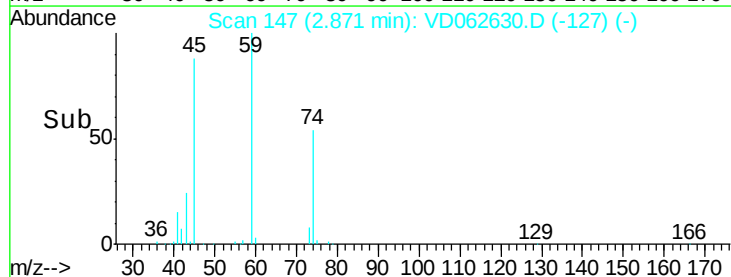
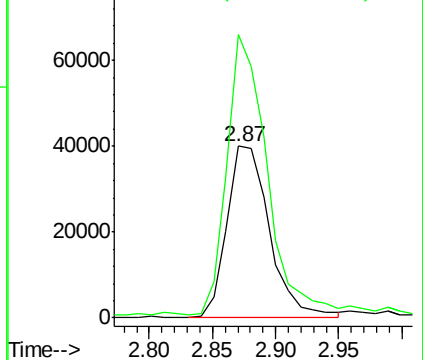
#8

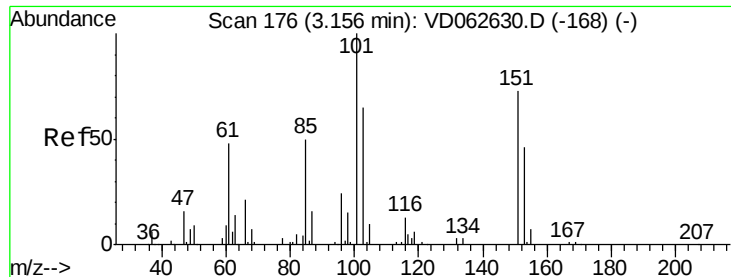
Diethyl Ether
 Concen: 51.565 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD062630.D
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Tgt Ion: 74 Resp: 93777
 Ion Ratio Lower Upper
 74 100
 45 165.0 82.5 247.5



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: 56.079 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD062630.D

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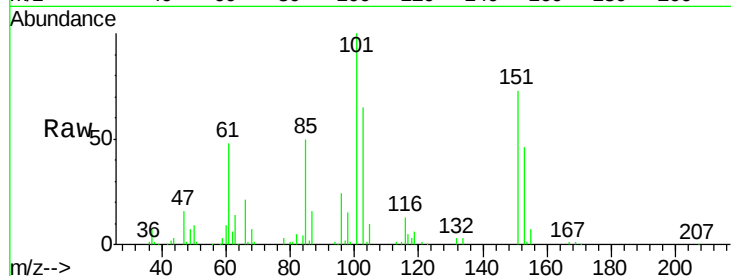
Tot Ion:101 Resp: 451197

Ion Ratio Lower Upper

101 100

85 49.7 39.8 59.6

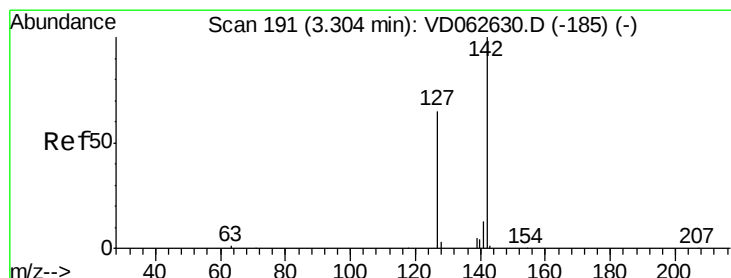
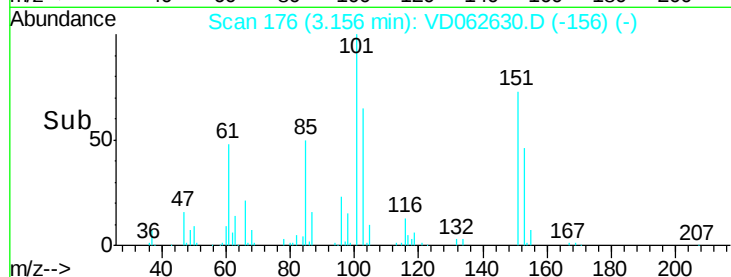
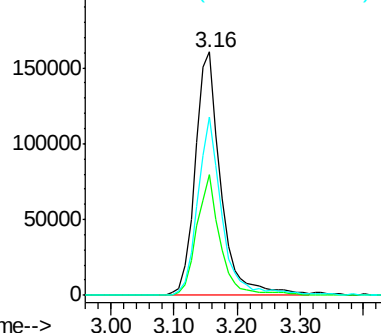
151 73.0 58.4 87.6



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: 53.882 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

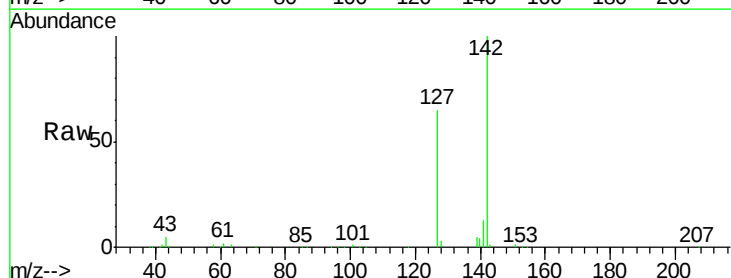
Tgt Ion:142 Resp: 540273

Ion Ratio Lower Upper

142 100

127 65.1 52.1 78.1

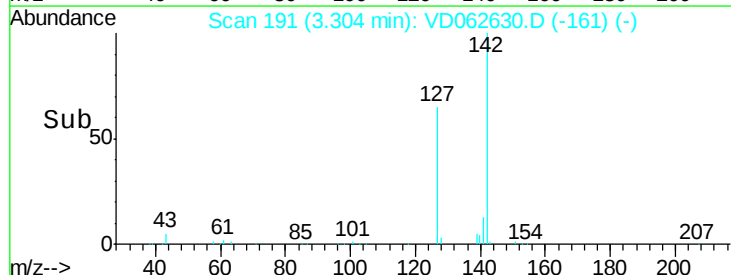
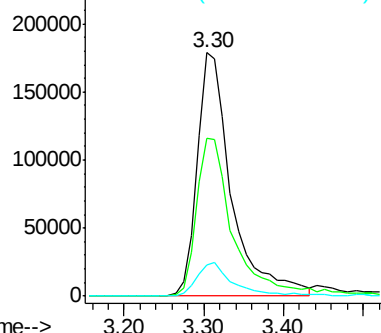
141 12.9 10.3 15.5

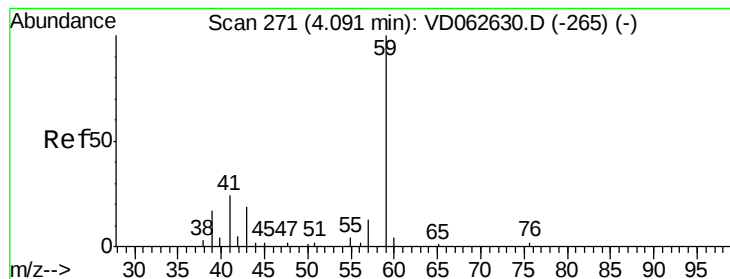


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



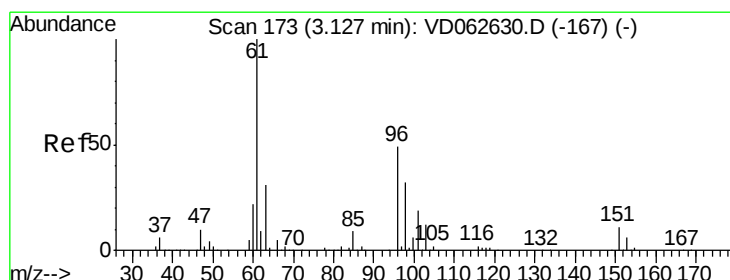
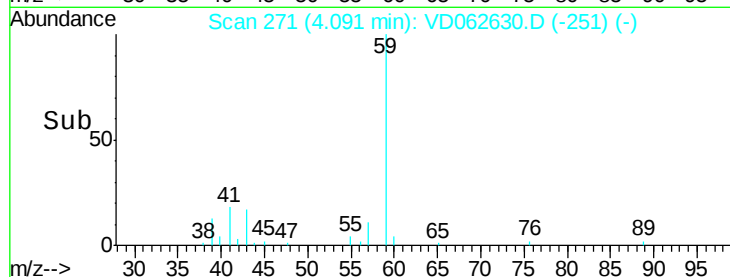
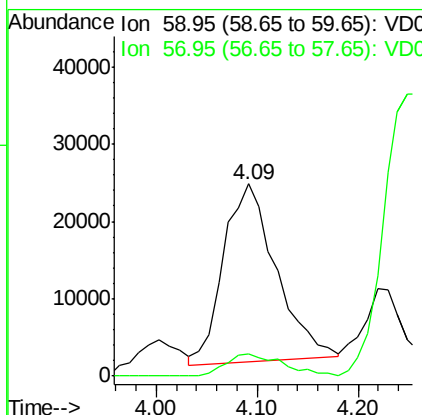
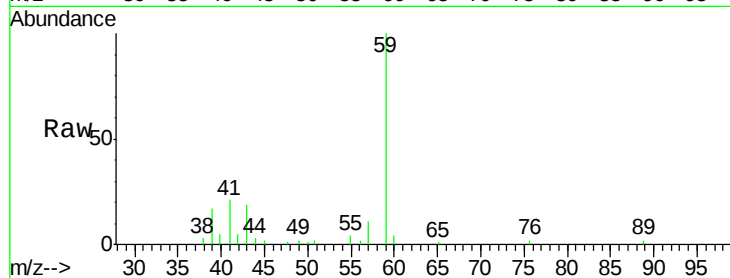


#11

Tert butyl alcohol
 Concen: 208.425 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

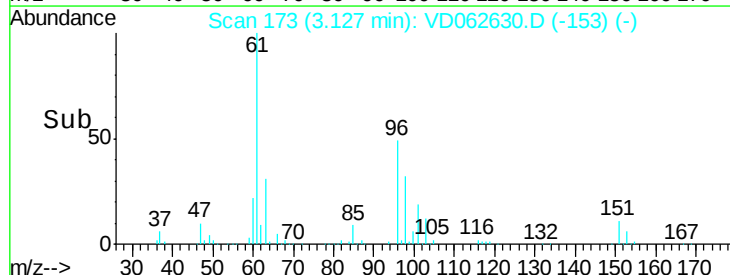
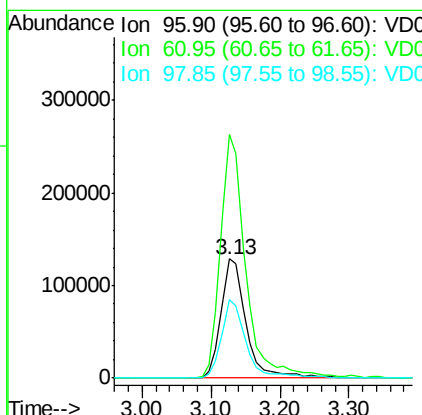
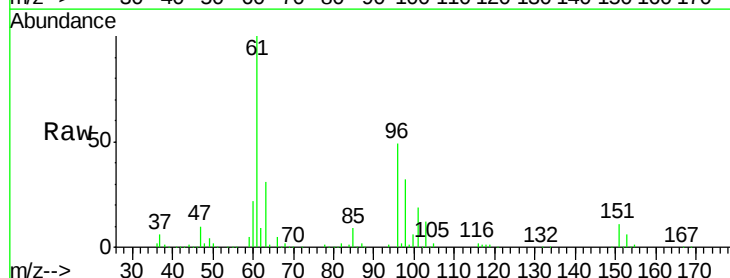
Tot Ion: 59 Resp: 83920
 Ion Ratio Lower Upper
 59 100
 57 11.5 9.2 13.8

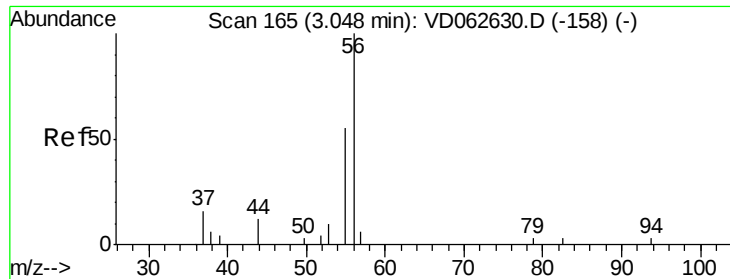


#12

1,1-Dichloroethene
 Concen: 56.034 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion: 96 Resp: 325216
 Ion Ratio Lower Upper
 96 100
 61 204.5 163.6 245.4
 98 65.6 52.5 78.7





#13

Acrolein

Concen: 246.634 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

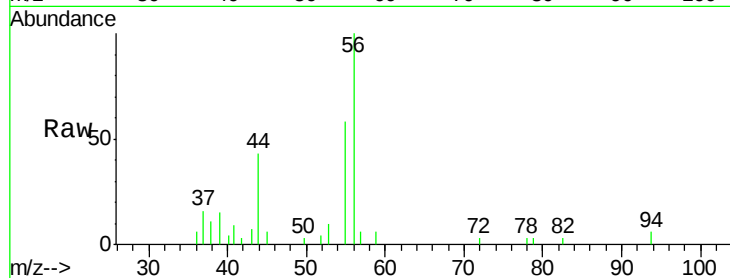
VSTDICCC050

Tot Ion: 56 Resp: 35914

Ion Ratio Lower Upper

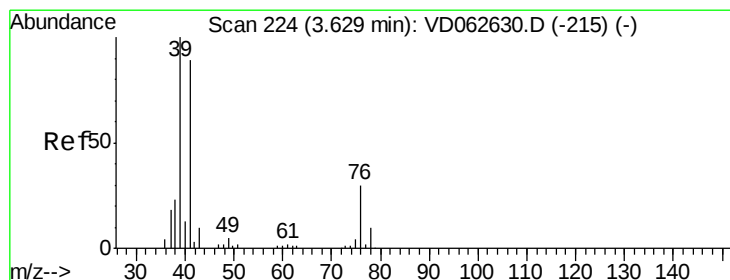
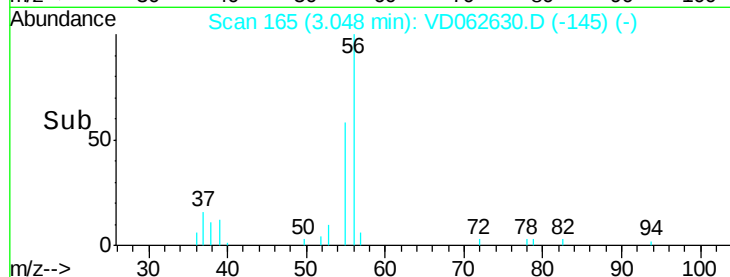
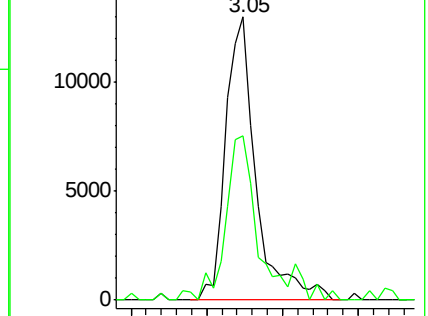
56 100

55 57.9 46.3 69.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.909 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

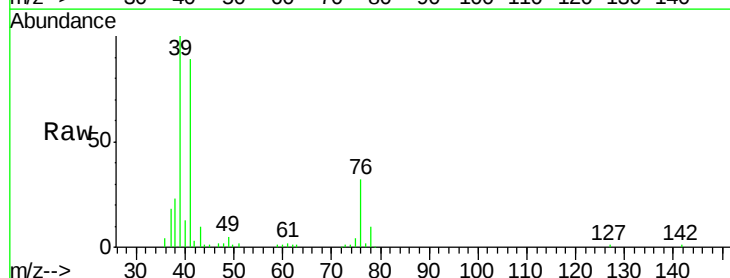
Tgt Ion: 41 Resp: 485329

Ion Ratio Lower Upper

41 100

39 112.6 90.1 135.1

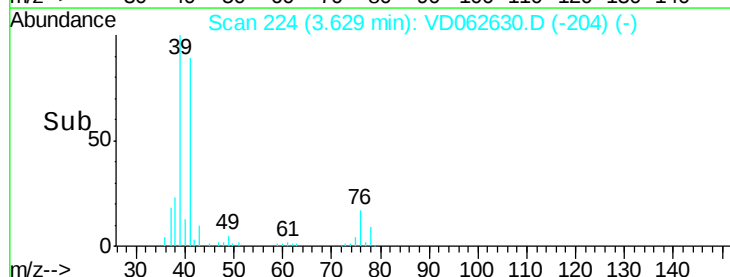
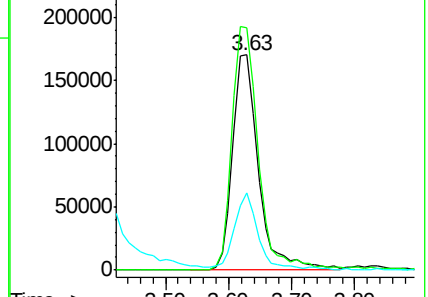
76 36.1 28.9 43.3

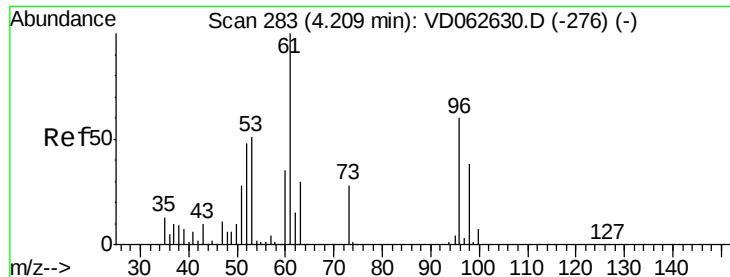


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 267.105 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

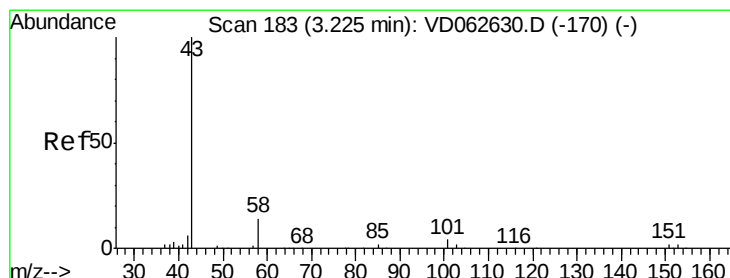
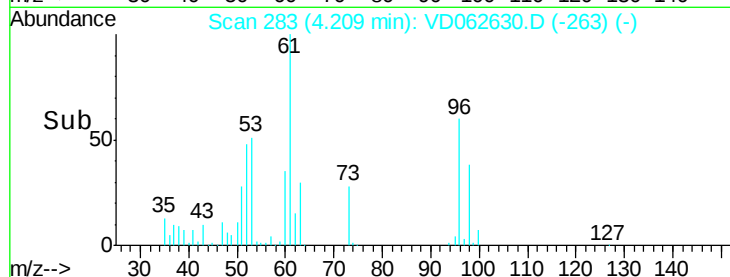
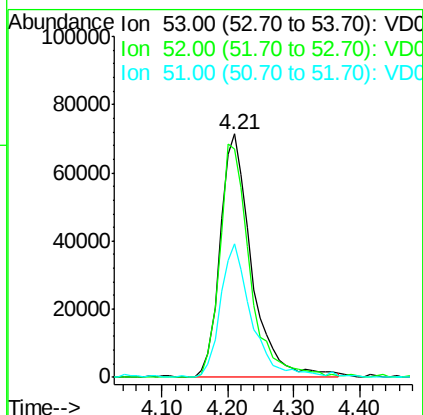
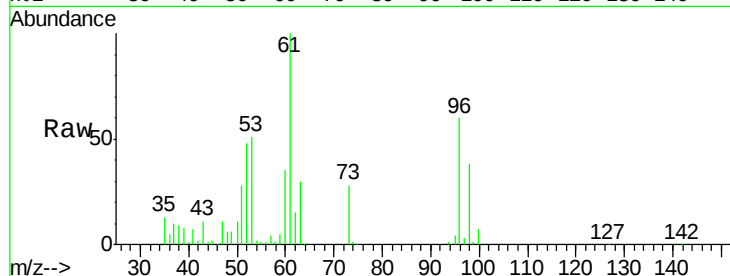
Tot Ion: 53 Resp: 239038

Ion Ratio Lower Upper

53 100

52 93.5 74.8 112.2

51 54.9 43.9 65.9



#16

Acetone

Concen: 300.055 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062630.D

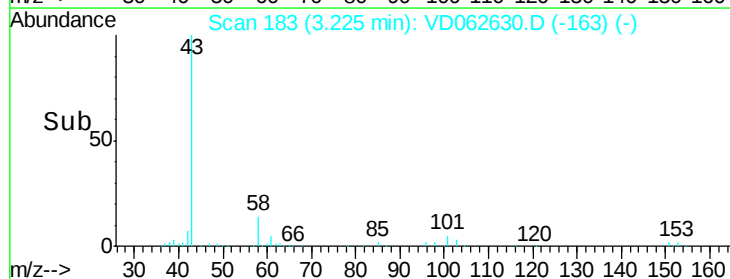
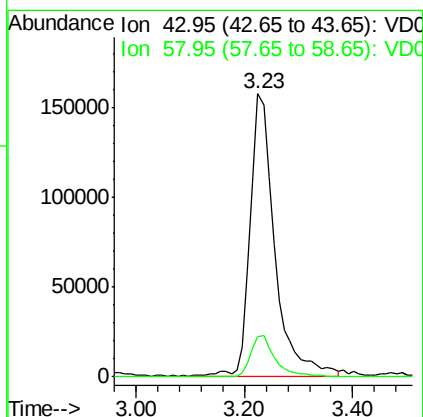
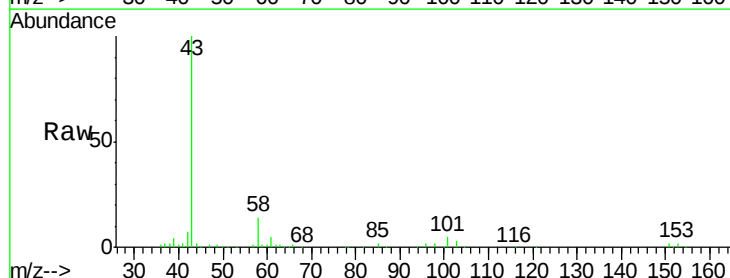
Acq: 6 Jun 2019 17:47

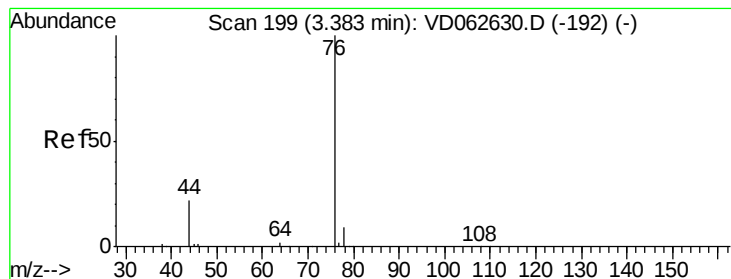
Tgt Ion: 43 Resp: 501699

Ion Ratio Lower Upper

43 100

58 14.1 11.3 16.9





#17

Carbon Disulfide

Concen: 54.480 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

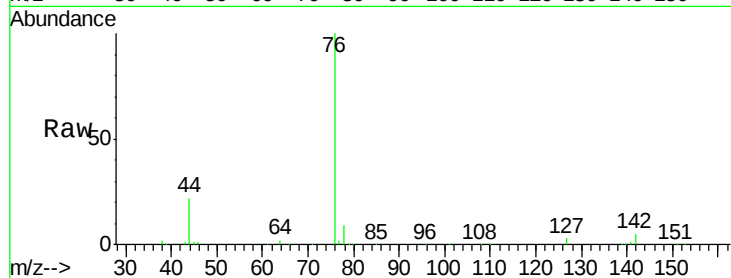
VSTDICCC050

Tot Ion: 76 Resp: 922588

Ion Ratio Lower Upper

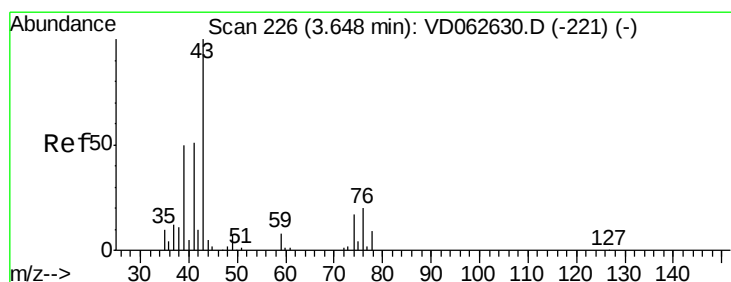
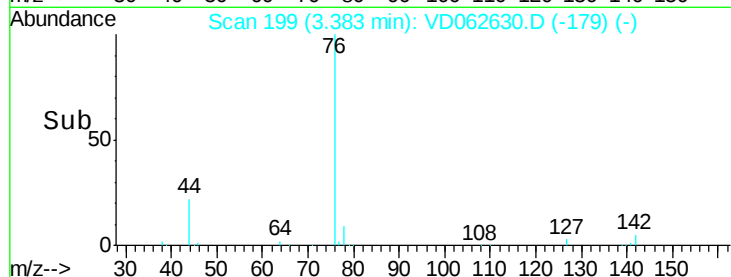
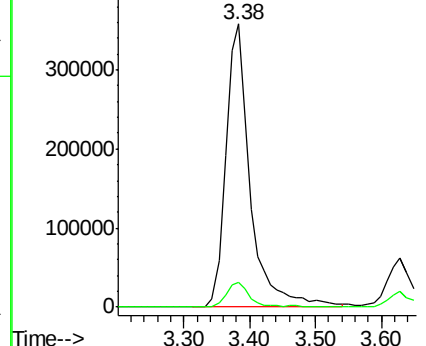
76 100

78 8.7 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 44.185 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD062630.D

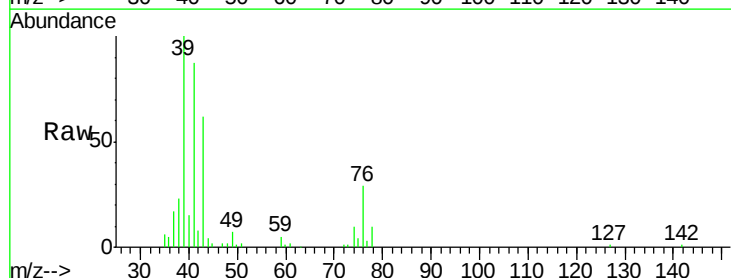
Acq: 6 Jun 2019 17:47

Tgt Ion: 43 Resp: 129130

Ion Ratio Lower Upper

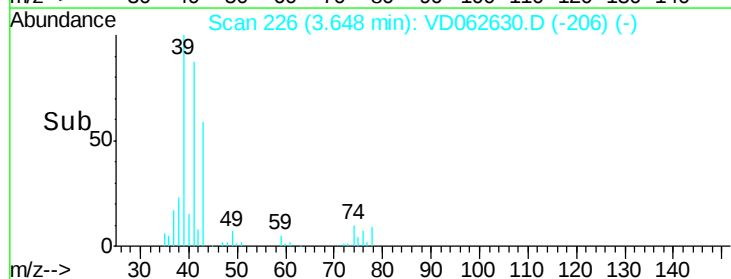
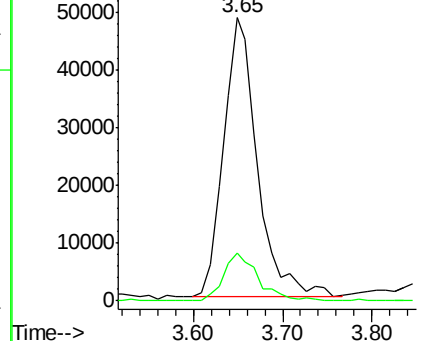
43 100

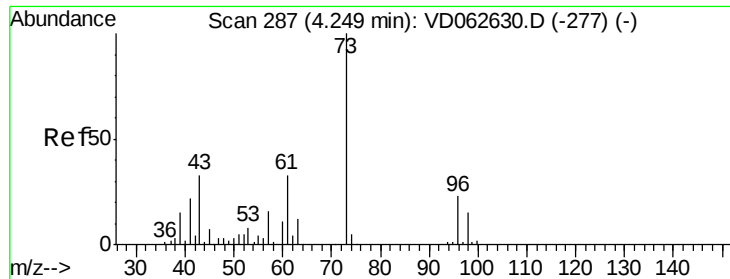
74 16.8 13.4 20.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

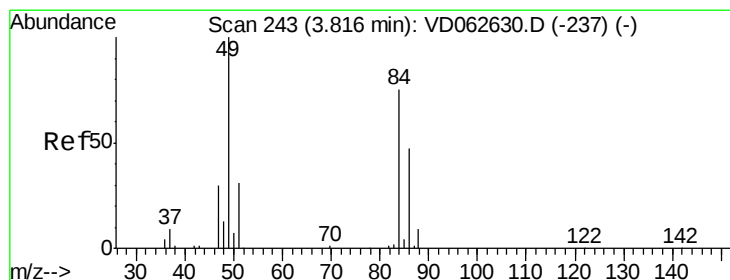
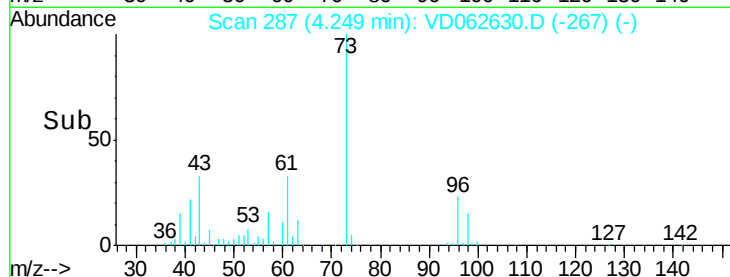
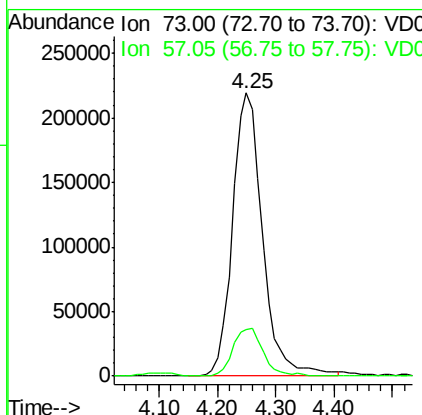
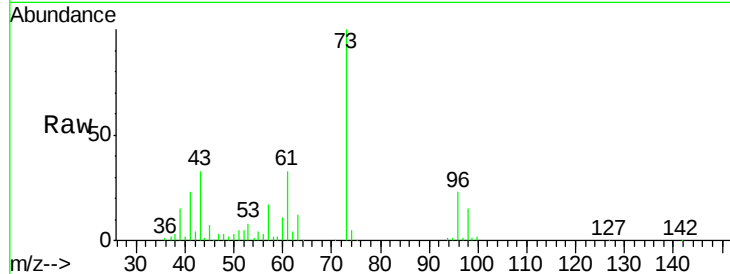




#19
Methvl tert-butvl Ether
Concen: 55.334 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

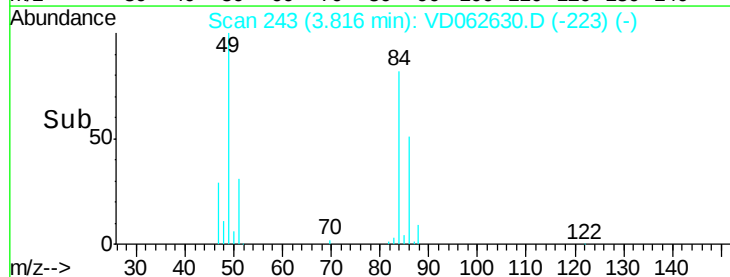
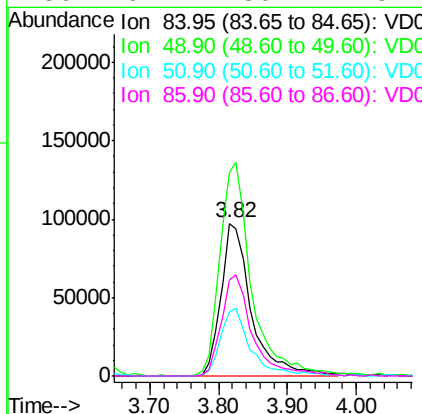
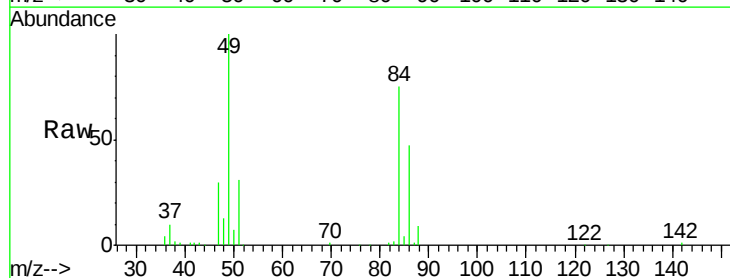
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

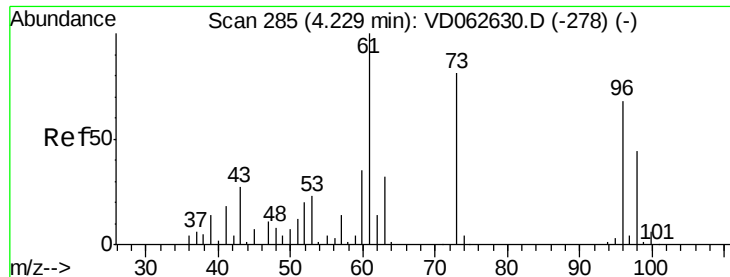
Tot Ion: 73 Resp: 786066
Ion Ratio Lower Upper
73 100
57 16.7 13.4 20.0



#20
Methylene Chloride
Concen: 46.766 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Tgt Ion: 84 Resp: 298212
Ion Ratio Lower Upper
84 100
49 133.9 107.1 160.7
51 41.9 33.5 50.3
86 62.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 56.599 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

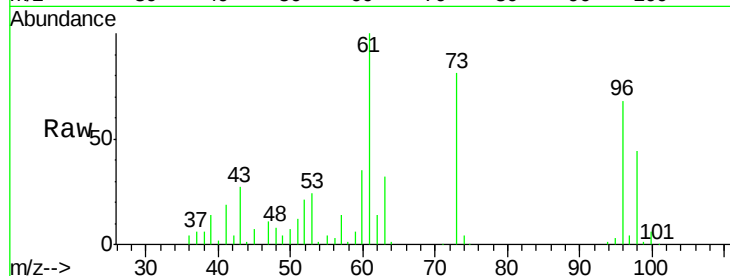
Tot Ion: 96 Resp: 362060

Ion Ratio Lower Upper

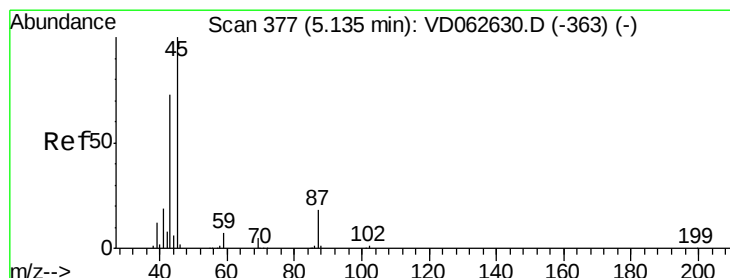
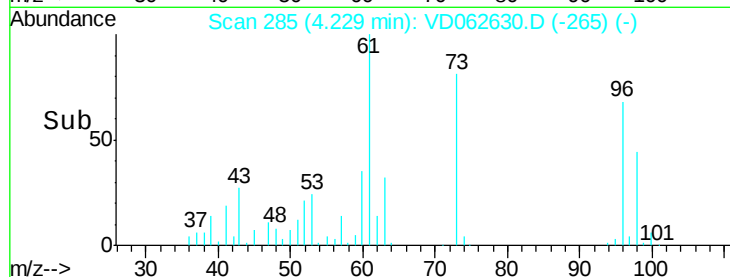
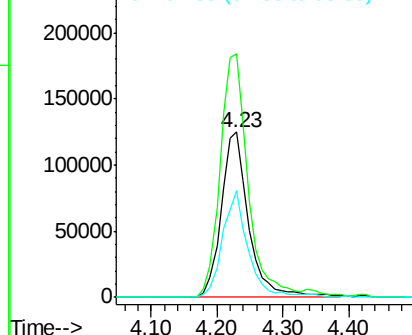
96 100

61 147.5 118.0 177.0

98 64.8 51.8 77.8



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



#22

Diisopropyl ether

Concen: 53.621 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Tgt Ion: 45 Resp: 996546

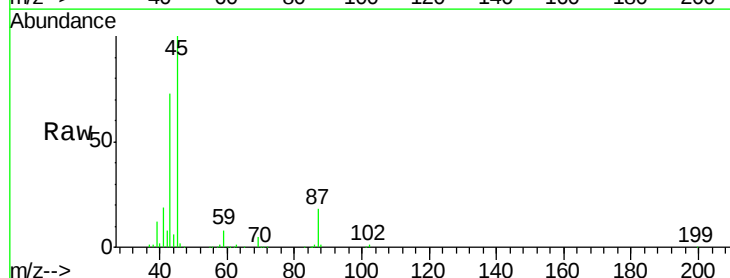
Ion Ratio Lower Upper

45 100

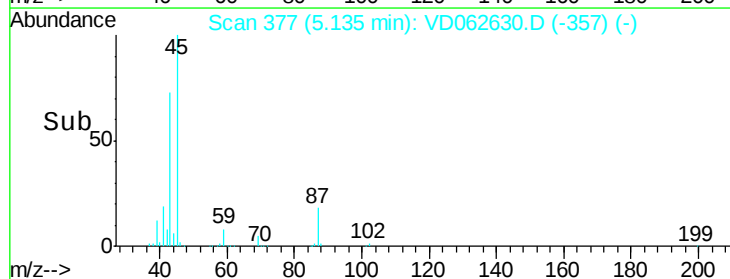
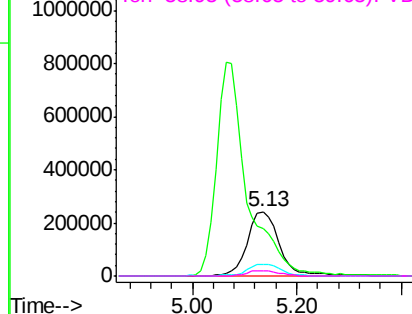
43 73.4 58.7 88.1

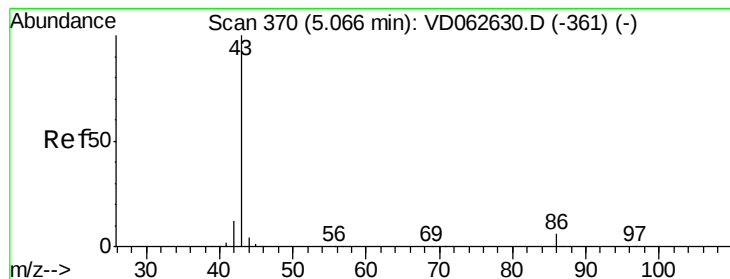
87 18.2 14.6 21.8

59 8.0 6.4 9.6



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: 283.681 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

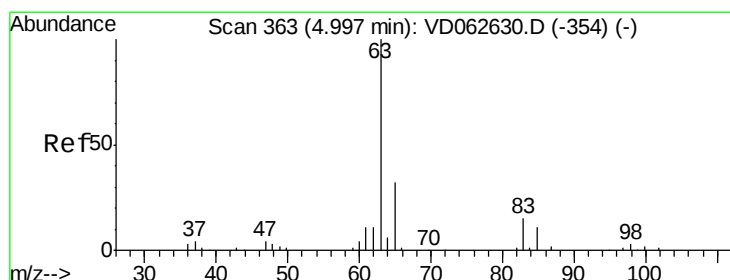
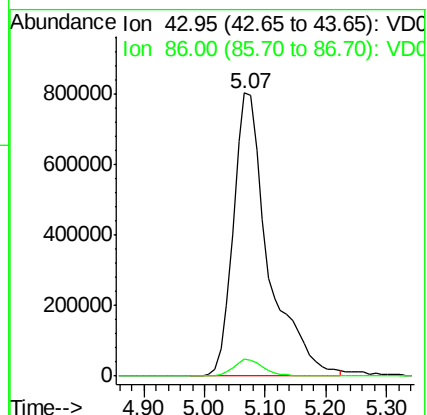
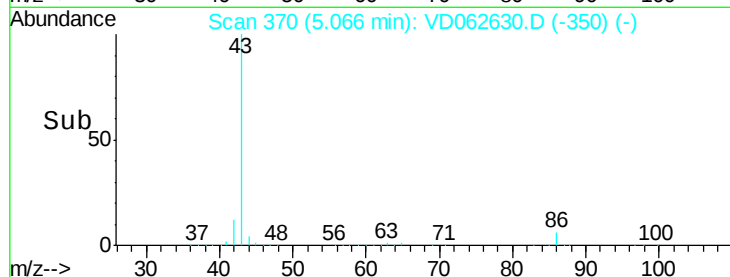
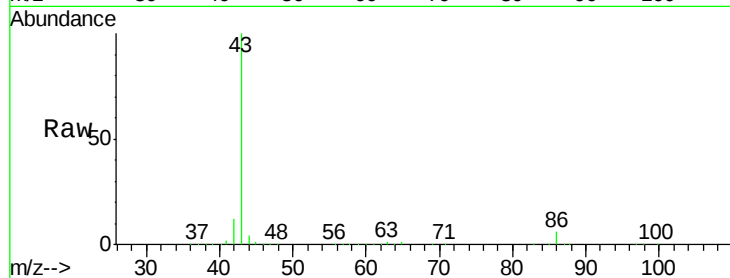
VSTDICCC050

Tot Ion: 43 Resp: 3243377

Ion Ratio Lower Upper

43 100

86 6.3 5.0 7.6



#24

1,1-Dichloroethane

Concen: 53.184 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

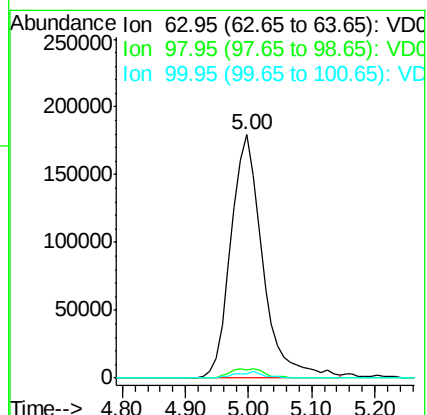
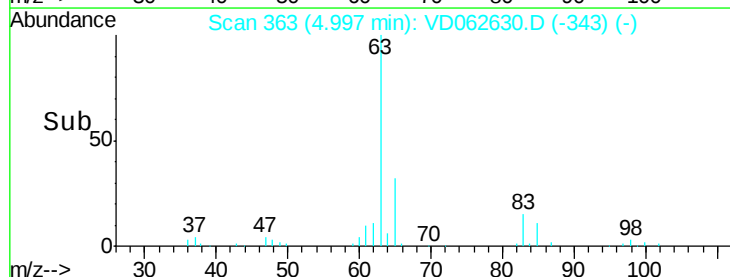
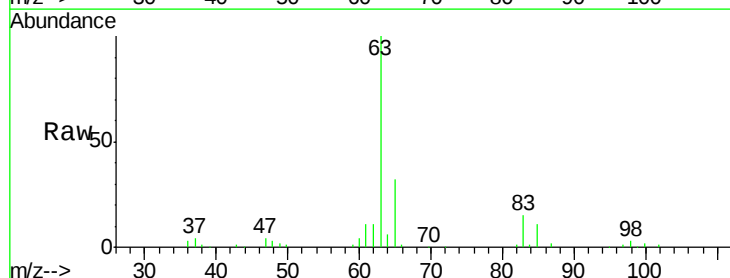
Tgt Ion: 63 Resp: 628892

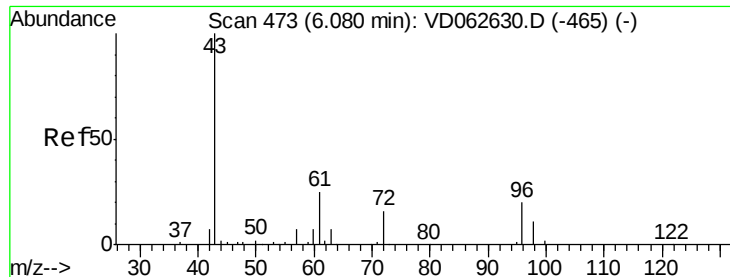
Ion Ratio Lower Upper

63 100

98 3.4 1.7 5.1

100 2.0 1.0 3.0





#25

2-Butanone

Concen: 269.301 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

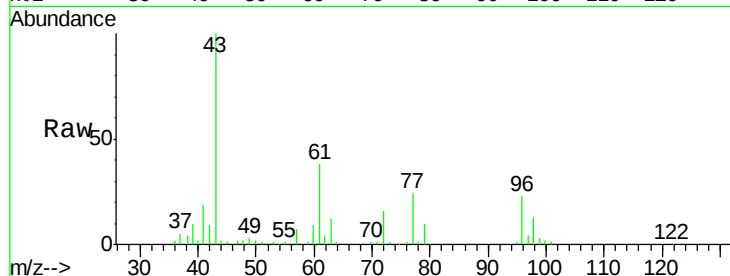
VSTDICCC050

Tot Ion: 43 Resp: 418494

Ion Ratio Lower Upper

43 100

72 16.1 12.9 19.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.08

150000

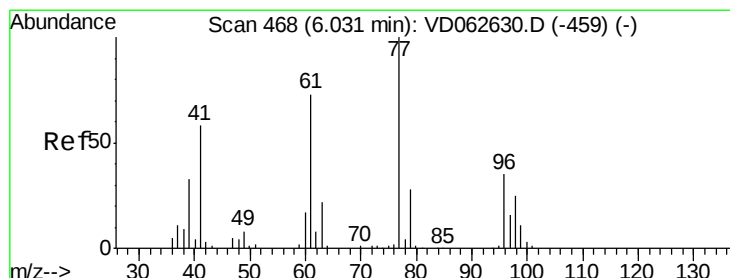
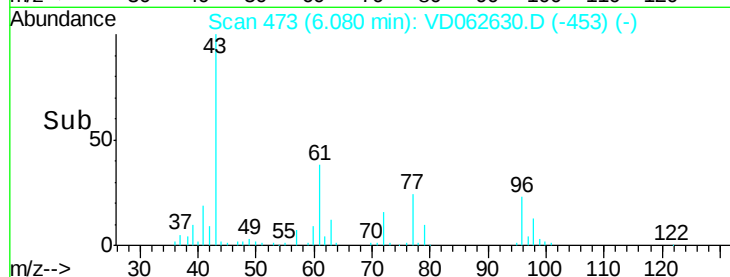
100000

50000

0

6.00 6.10 6.20

Time-->



#26

2,2-Dichloropropane

Concen: 56.221 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD062630.D

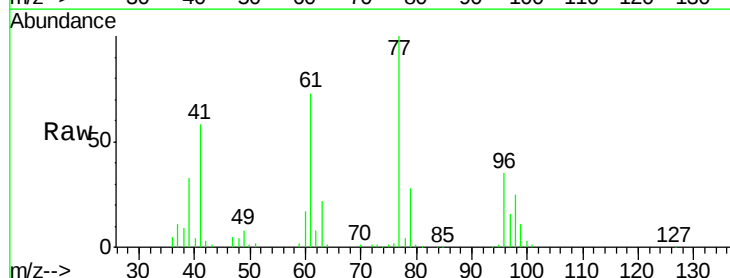
Acq: 6 Jun 2019 17:47

Tgt Ion: 77 Resp: 726247

Ion Ratio Lower Upper

77 100

97 15.8 7.9 23.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.03

250000

200000

150000

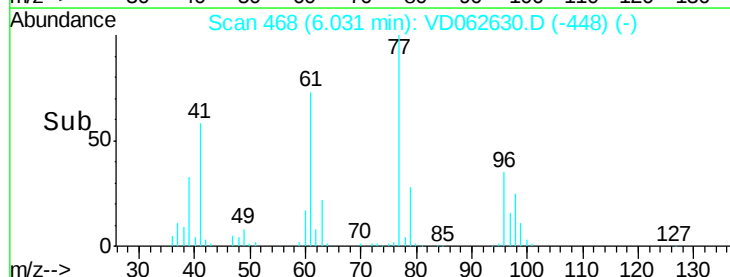
100000

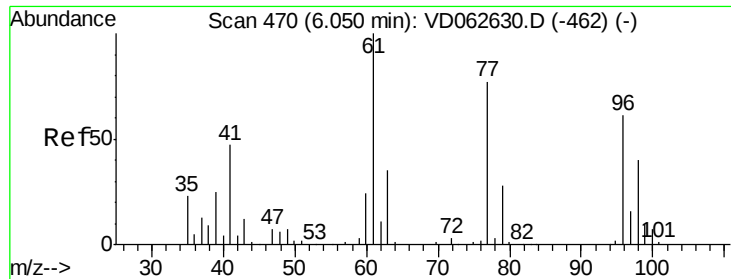
50000

0

5.90 6.00 6.10 6.20

Time-->



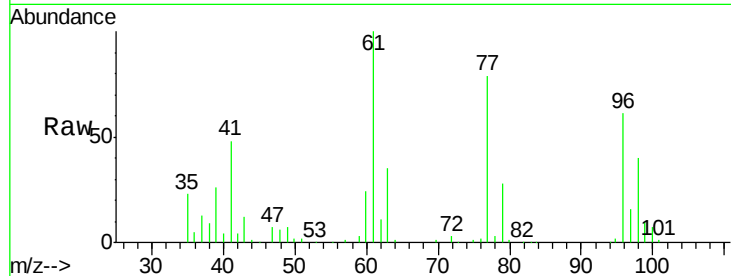


#27

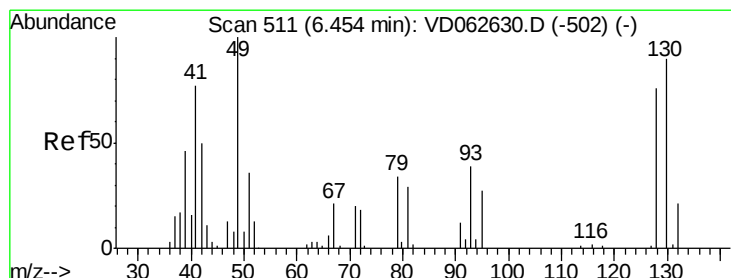
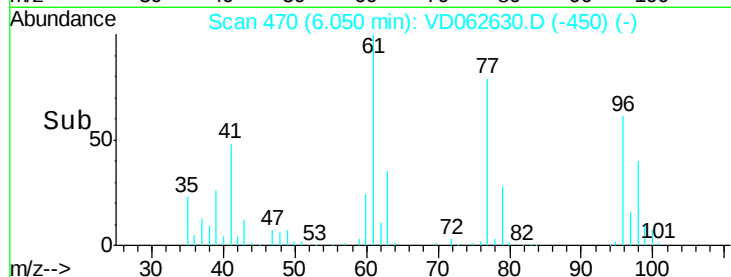
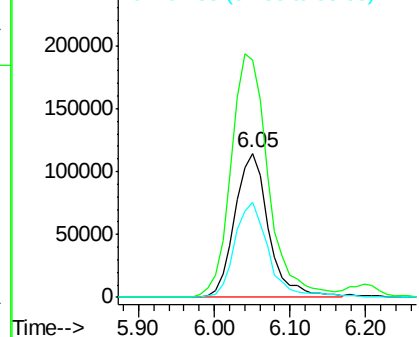
cis-1,2-Dichloroethene
Concen: 52.110 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 96 Resp: 352941
Ion Ratio Lower Upper
96 100
61 165.1 0.0 330.2
98 66.2 0.0 132.4



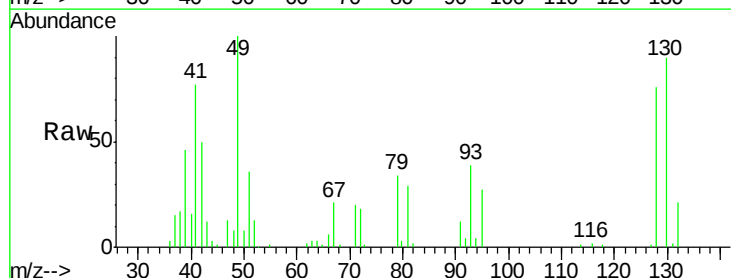
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



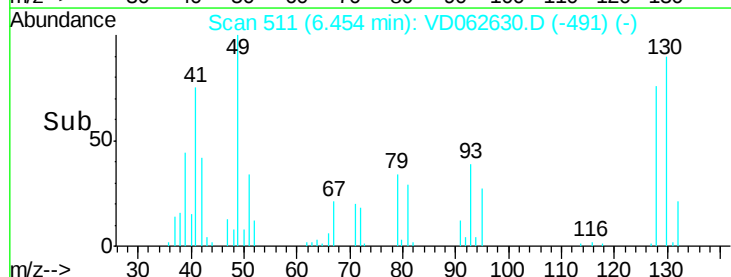
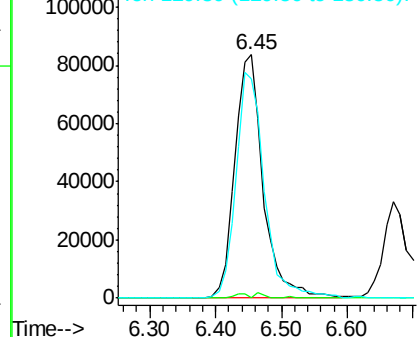
#28

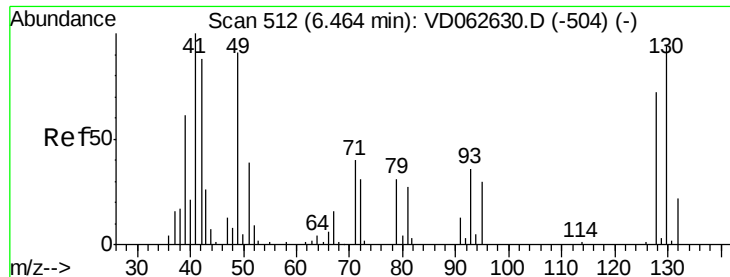
Bromochloromethane
Concen: 56.145 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Tgt Ion: 49 Resp: 253077
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 90.2 72.2 108.2



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: 269.893 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

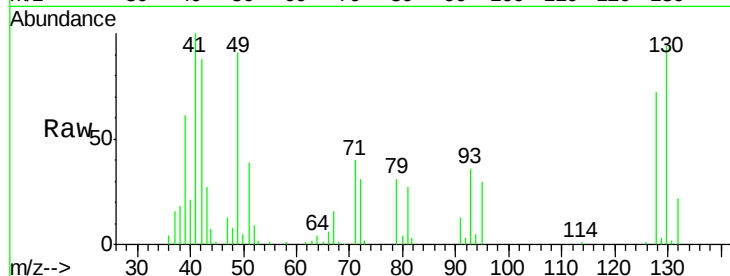
Tot Ion: 42 Resp: 195631

Ion Ratio Lower Upper

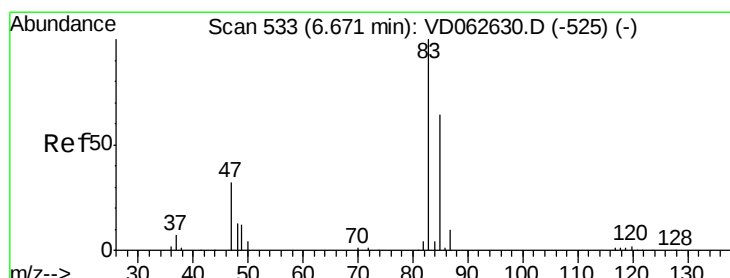
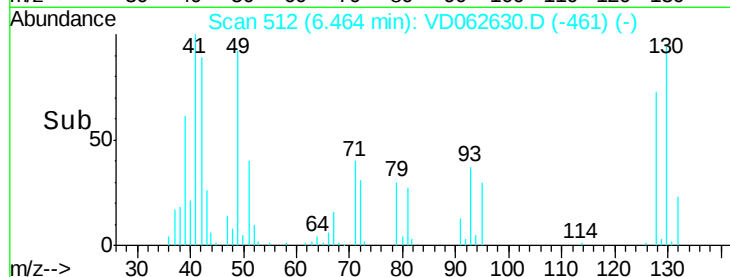
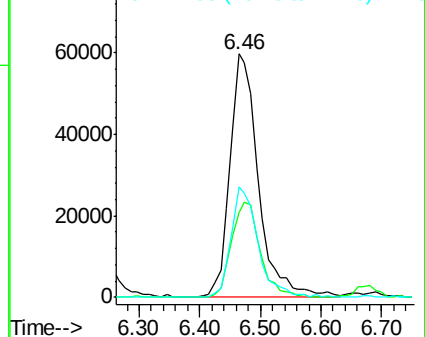
42 100

72 39.3 31.4 47.2

71 42.5 34.0 51.0



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: 55.757 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD062630.D

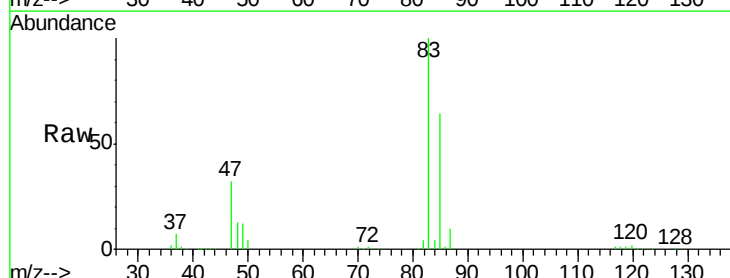
Acq: 6 Jun 2019 17:47

Tgt Ion: 83 Resp: 825347

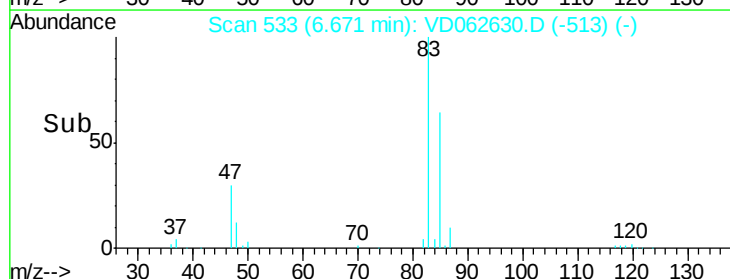
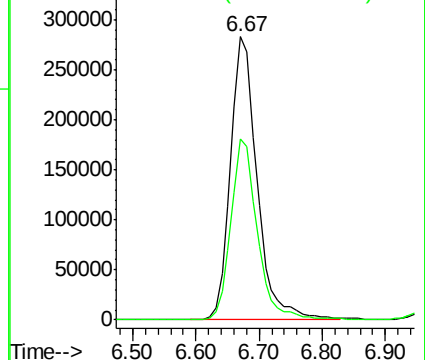
Ion Ratio Lower Upper

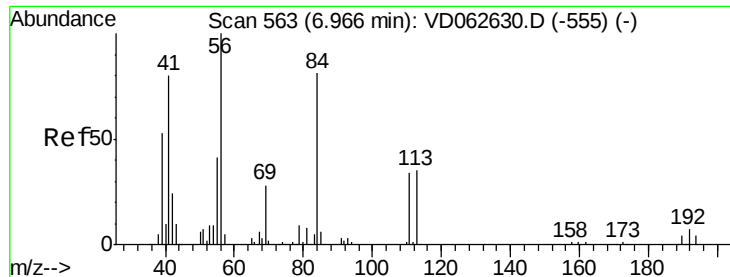
83 100

85 63.8 51.0 76.6



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

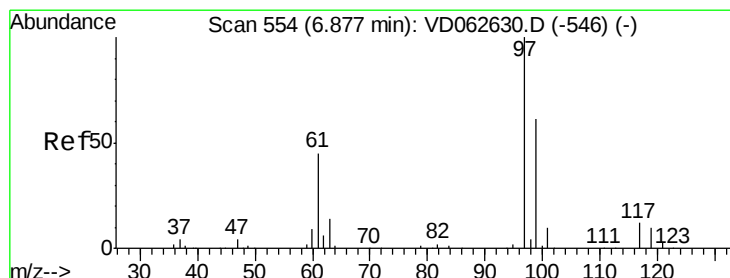
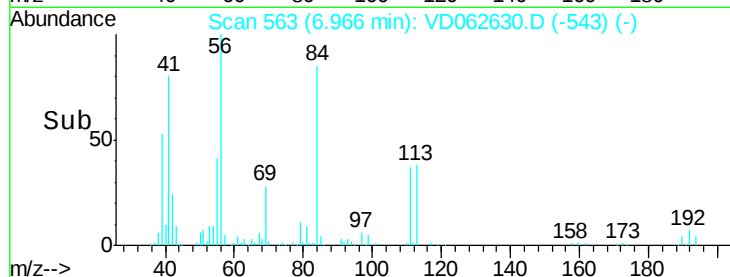
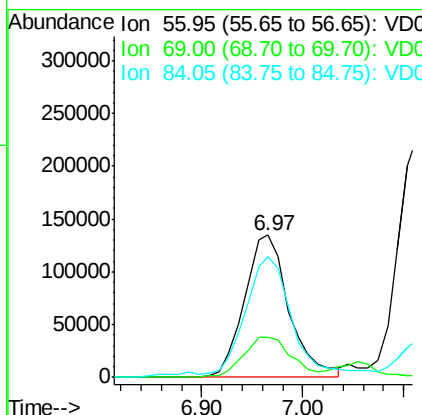
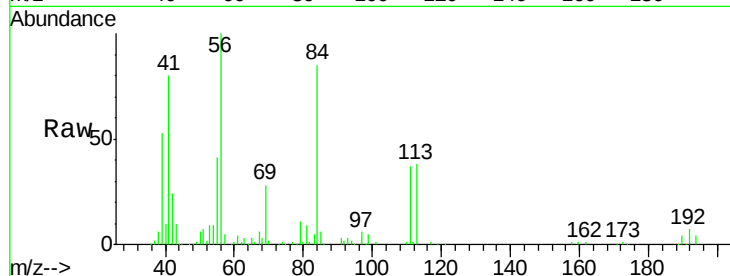




#31
Cyclohexane
Concen: 54.520 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

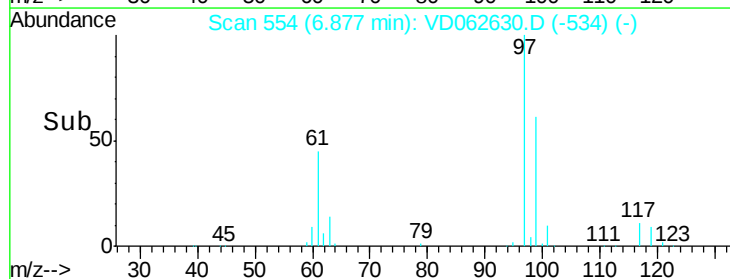
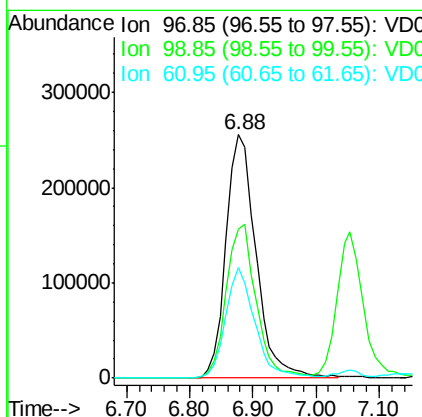
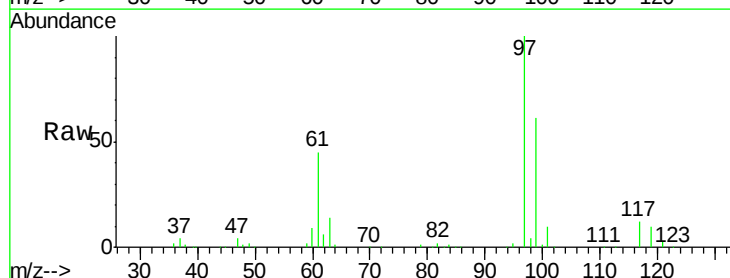
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

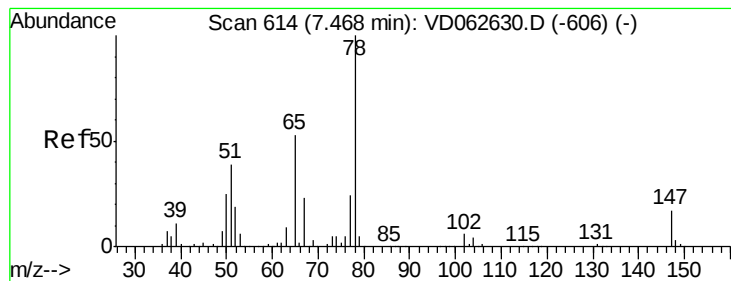
Tot Ion: 56 Resp: 414464
Ion Ratio Lower Upper
56 100
69 28.0 22.4 33.6
84 84.8 67.8 101.8



#32
1,1,1-Trichloroethane
Concen: 56.289 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Tgt Ion: 97 Resp: 845879
Ion Ratio Lower Upper
97 100
99 61.3 49.0 73.6
61 45.2 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 56.201 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

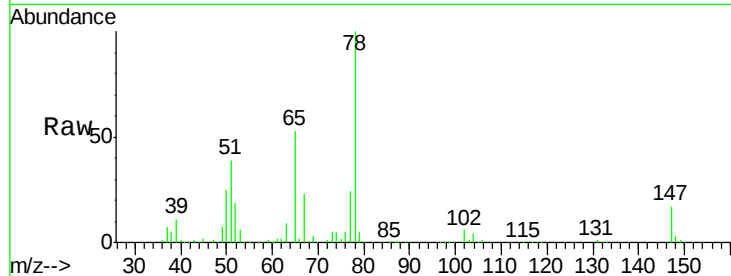
VSTDICCC050

Tot Ion: 65 Resp: 520068

Ion Ratio Lower Upper

65 100

67 43.0 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

200000

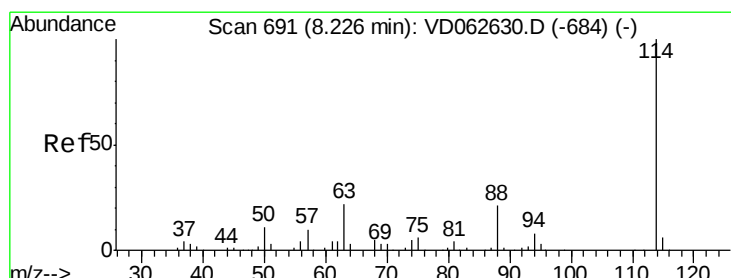
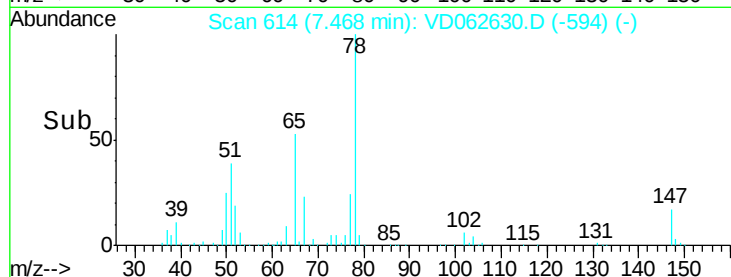
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

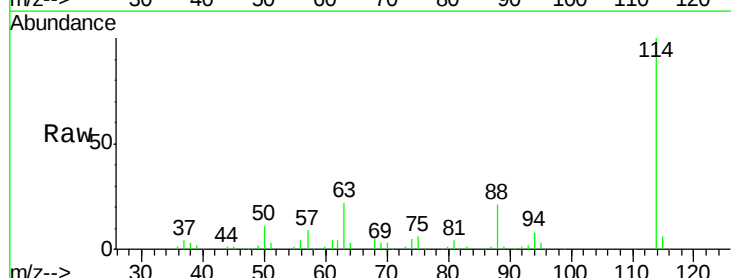
Tgt Ion: 114 Resp: 931014

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.6

88 20.7 0.0 41.4



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

8.23

500000

400000

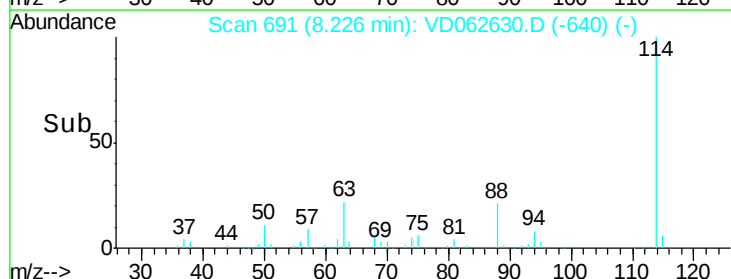
300000

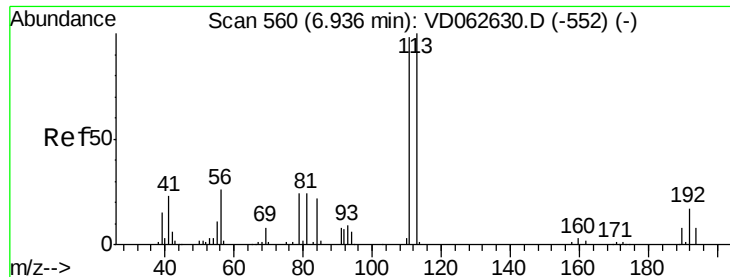
200000

100000

0

Time-->

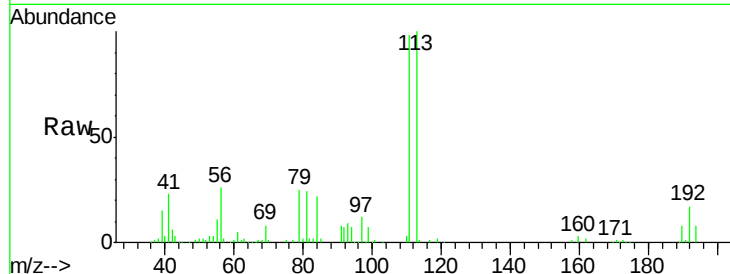




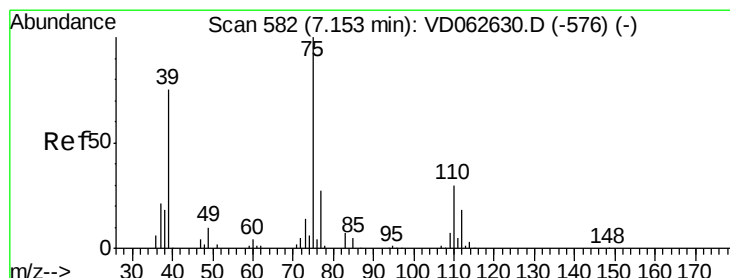
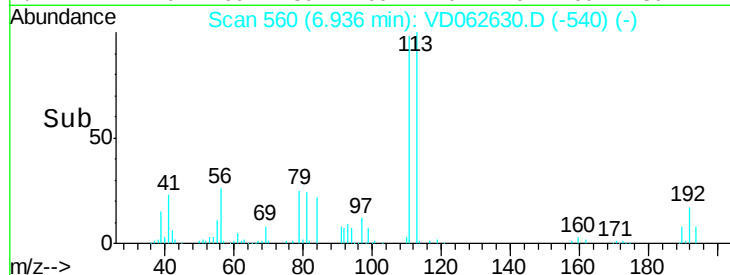
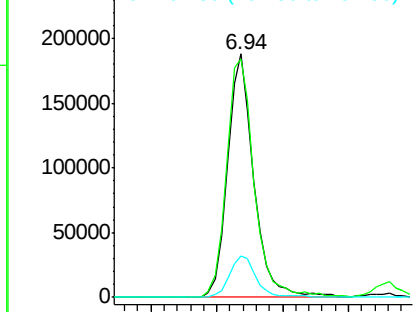
#35
 Dibromofluoromethane
 Concen: 55.245 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:113 Resp: 524812
 Ion Ratio Lower Upper
 113 100
 111 98.1 78.5 117.7
 192 17.2 13.8 20.6

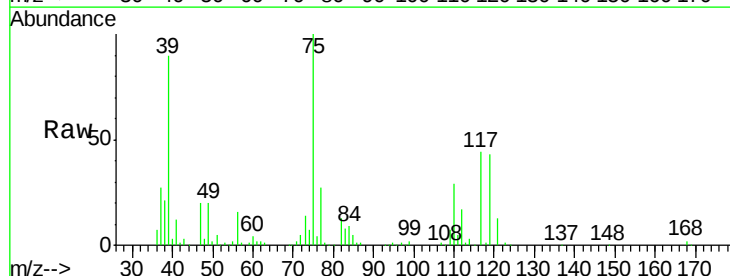


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

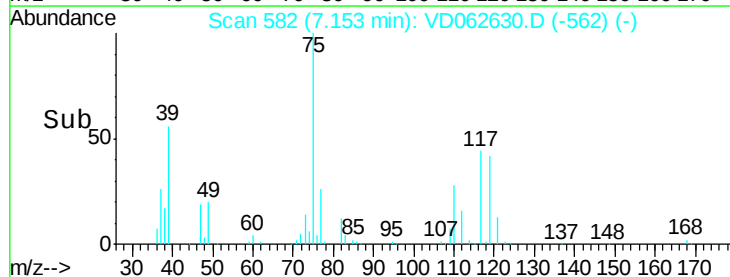
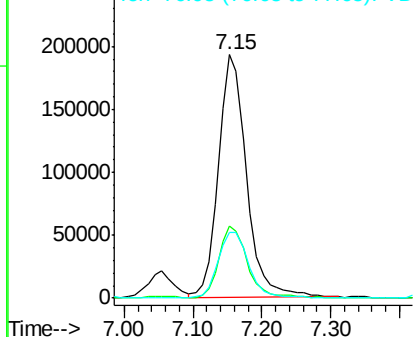


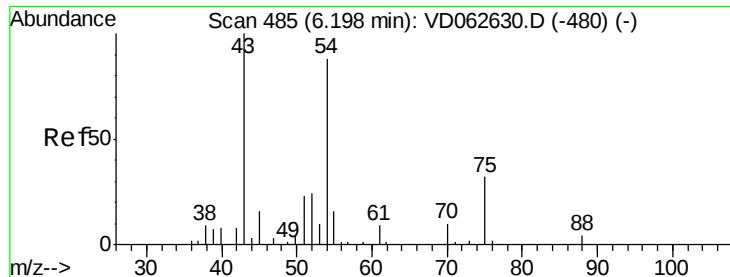
#36
 1,1-Dichloropropene
 Concen: 54.033 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion: 75 Resp: 544585
 Ion Ratio Lower Upper
 75 100
 110 29.5 14.8 44.3
 77 27.2 21.8 32.6



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

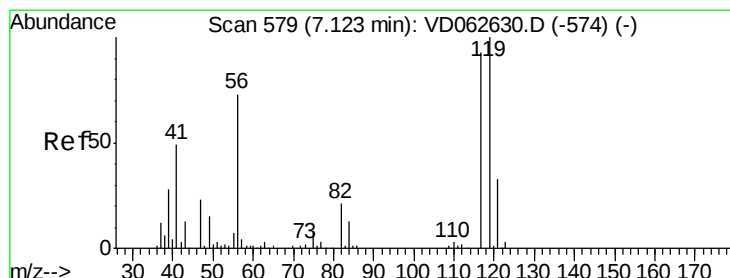
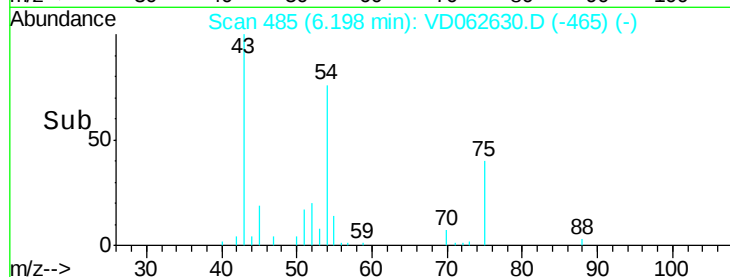
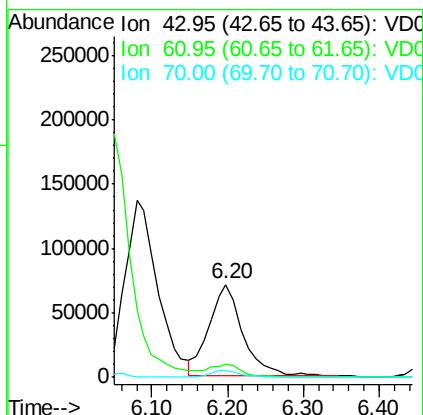
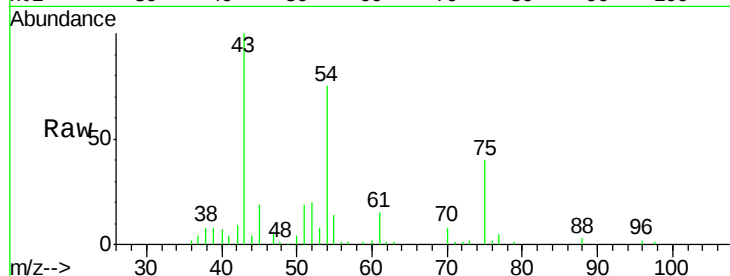




#37
Ethyl Acetate
Concen: 55.476 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

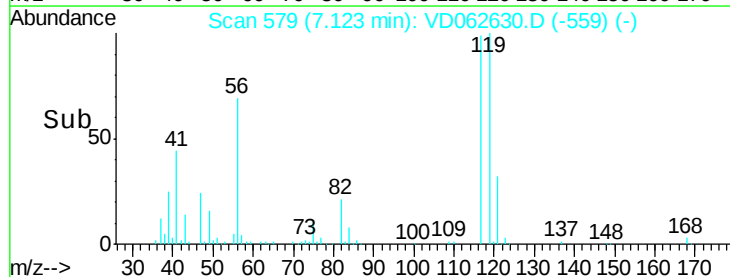
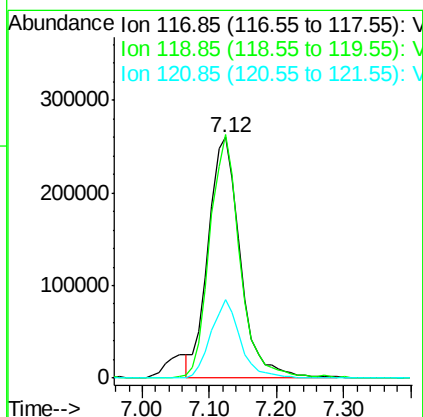
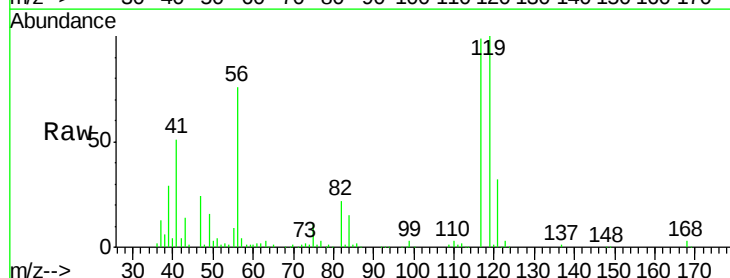
Instrument :
MSVOA_D
ClientSampleID :
VSTDICCC050

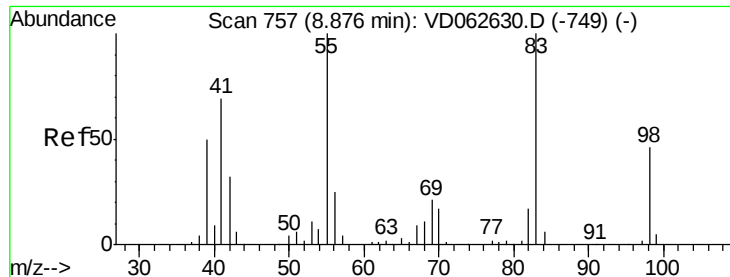
Tot Ion: 43 Resp: 224061
Ion Ratio Lower Upper
43 100
61 14.6 11.7 17.5
70 7.8 6.2 9.4



#38
Carbon Tetrachloride
Concen: 57.641 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Tgt Ion: 117 Resp: 865490
Ion Ratio Lower Upper
117 100
119 101.2 81.0 121.4
121 32.8 26.2 39.4

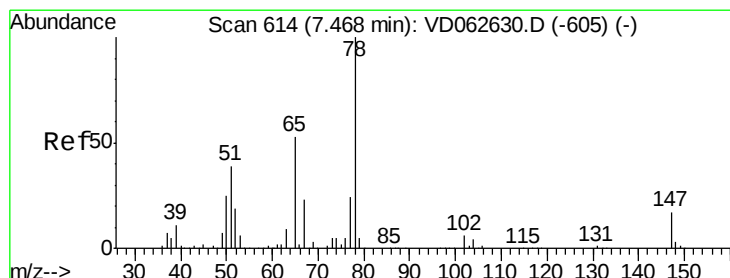
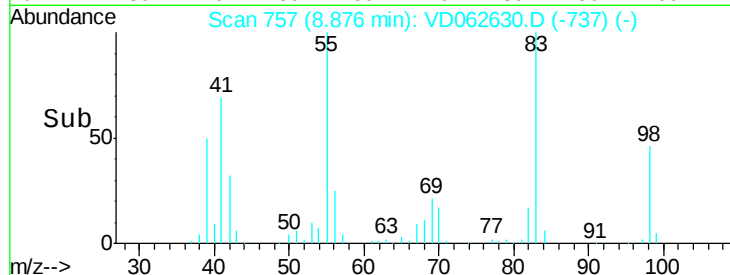
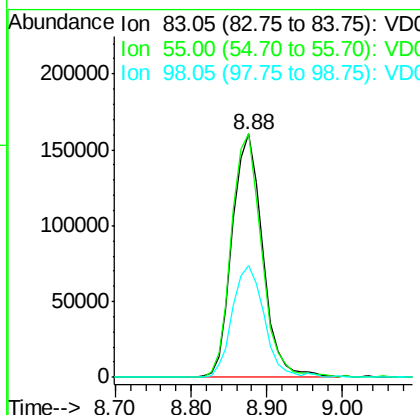
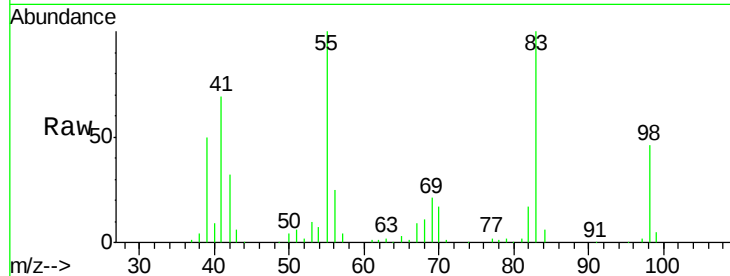




#39
Methvlcvclohexane
Concen: 52.761 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

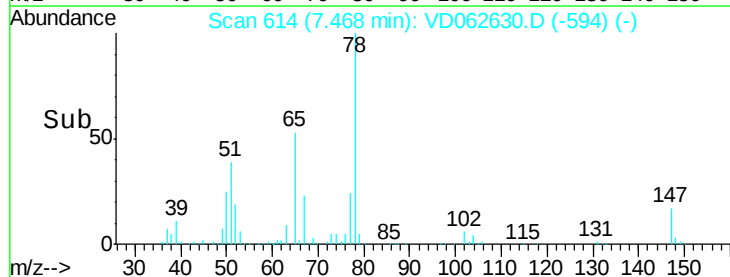
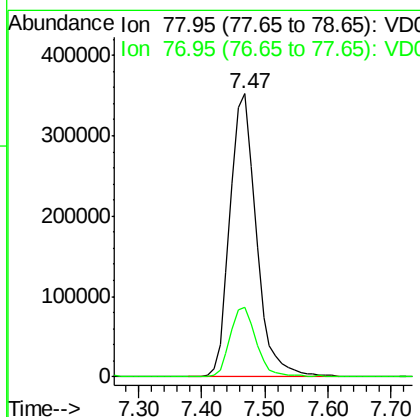
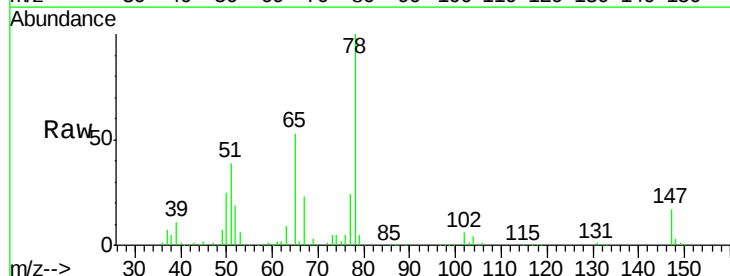
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

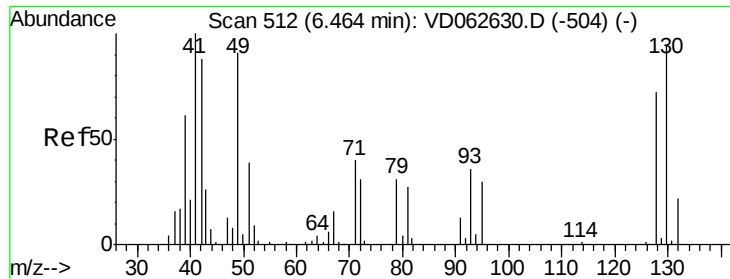
Tot Ion: 83 Resp: 445521
Ion Ratio Lower Upper
83 100
55 99.8 79.8 119.8
98 46.1 36.9 55.3



#40
Benzene
Concen: 52.536 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Tgt Ion: 78 Resp: 1022286
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3

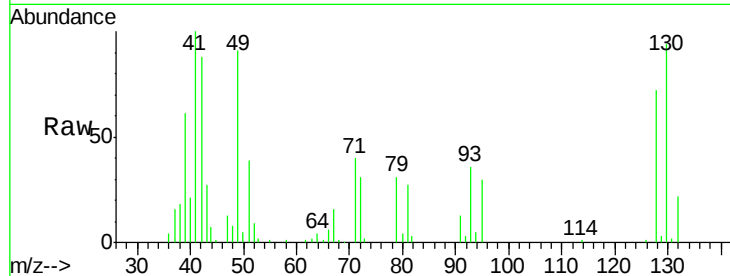




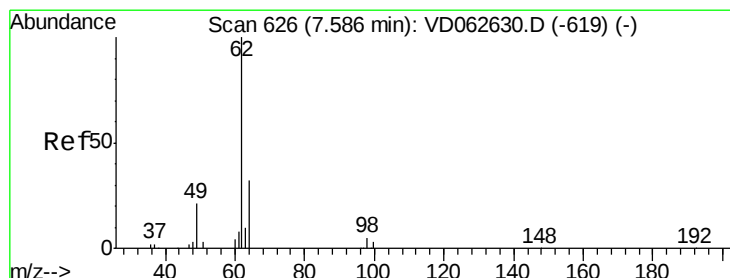
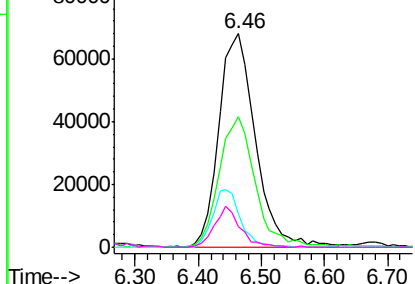
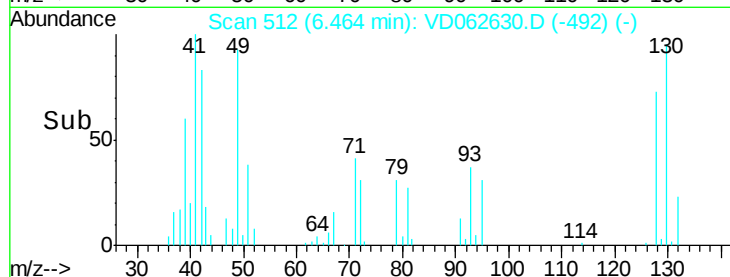
#41
Methacrylonitrile
Concen: 52.990 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 41 Resp: 274161
Ion Ratio Lower Upper
41 100
39 61.1 48.9 73.3
67 15.7 12.6 18.8
52 9.4 7.5 11.3

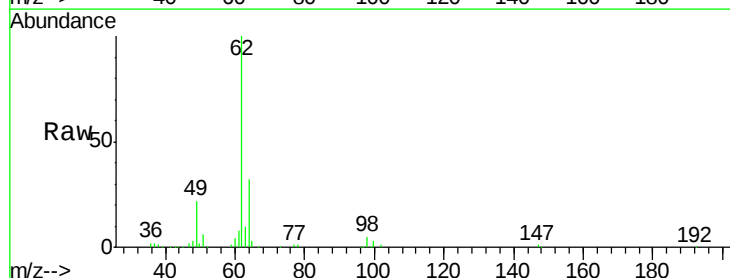


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

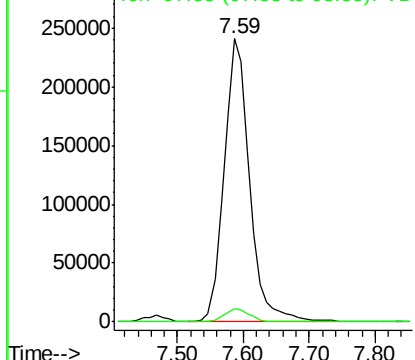
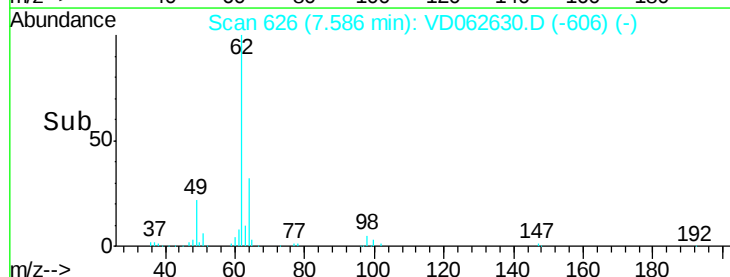


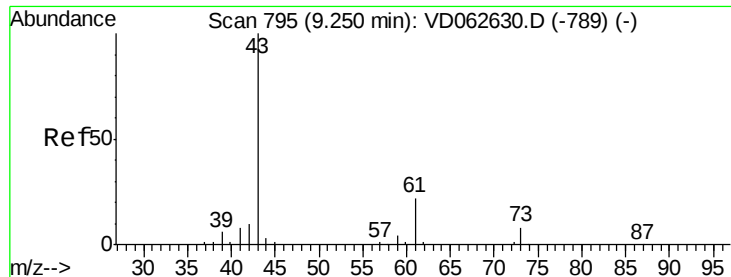
#42
1,2-Dichloroethane
Concen: 55.593 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Tgt Ion: 62 Resp: 646183
Ion Ratio Lower Upper
62 100
98 4.8 0.0 9.6



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



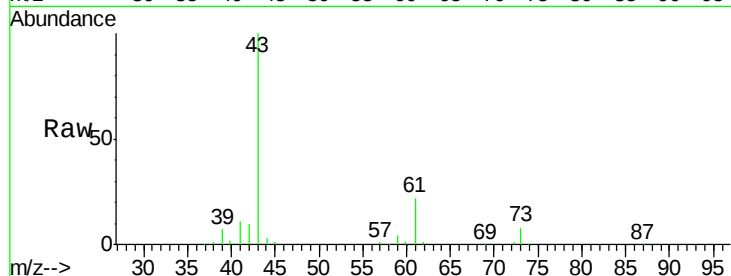


#43

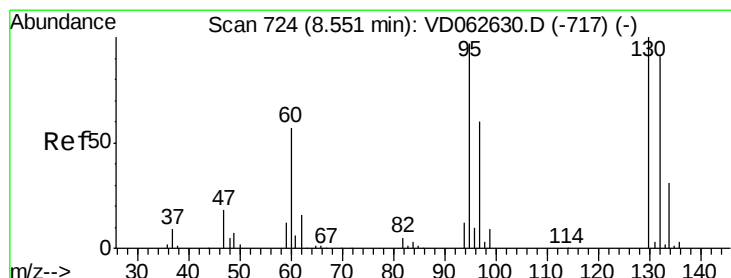
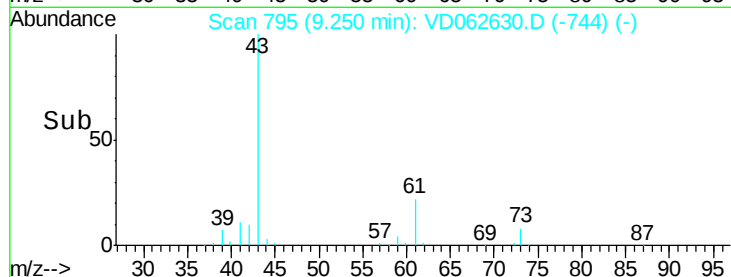
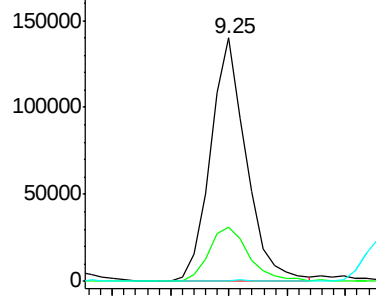
Isopropyl Acetate
 Concen: 53.859 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 295679
 Ion Ratio Lower Upper
 43 100
 61 22.3 17.8 26.8
 87 0.4 0.3 0.5



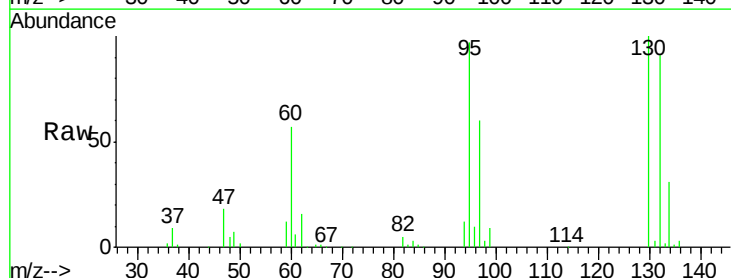
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



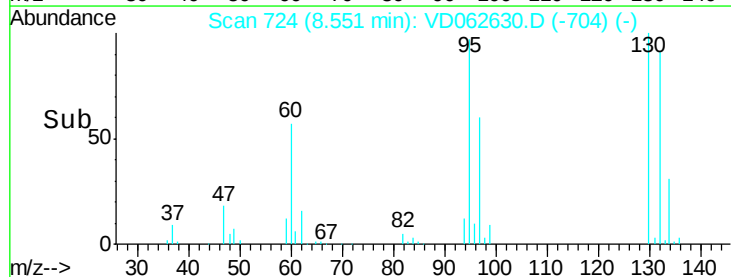
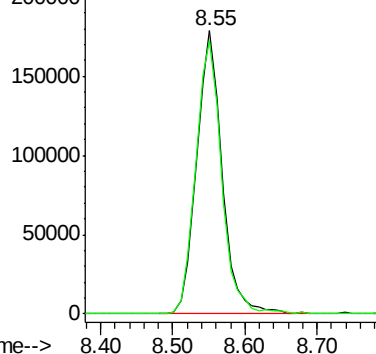
#44

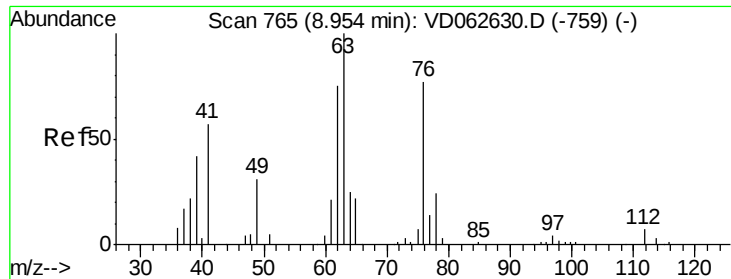
Trichloroethene
 Concen: 54.392 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion: 130 Resp: 436727
 Ion Ratio Lower Upper
 130 100
 95 96.6 0.0 193.2



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

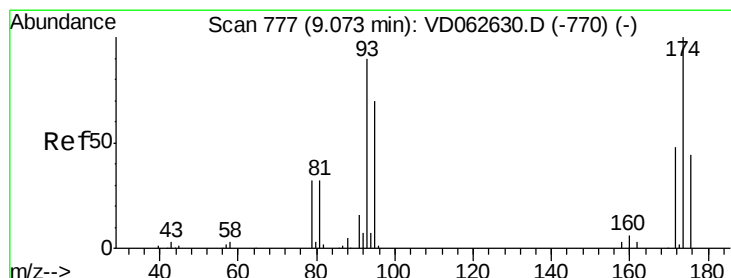
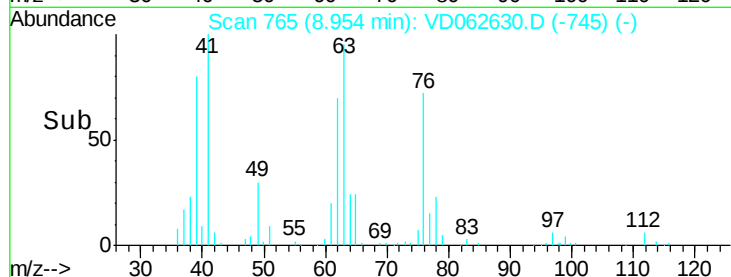
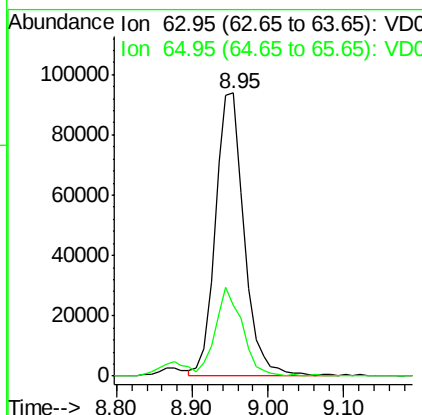
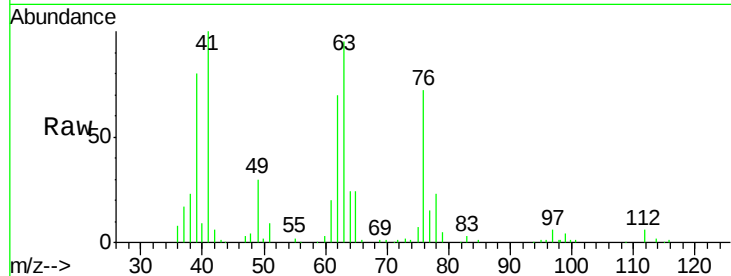




#45
 1,2-Dichloropropane
 Concen: 51.271 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

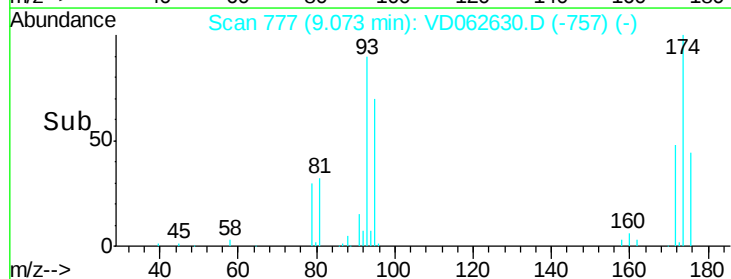
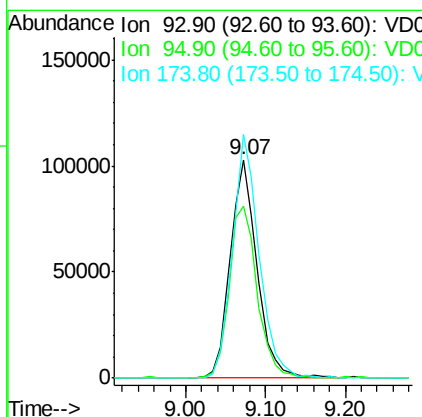
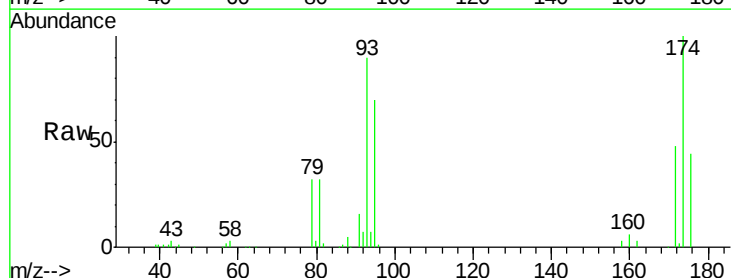
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

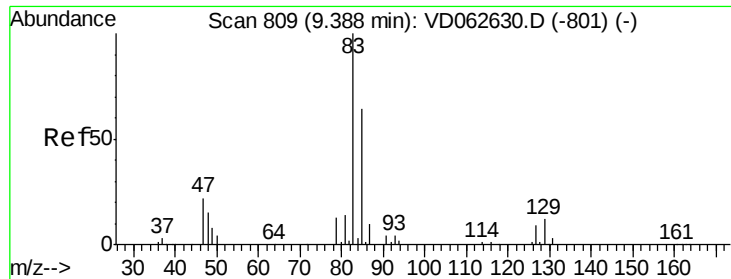
Tot Ion: 63 Resp: 248062
 Ion Ratio Lower Upper
 63 100
 65 25.1 20.1 30.1



#46
 Dibromomethane
 Concen: 56.478 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion: 93 Resp: 242382
 Ion Ratio Lower Upper
 93 100
 95 78.5 62.8 94.2
 174 111.4 89.1 133.7





#47

Bromodichloromethane

Concen: 55.102 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

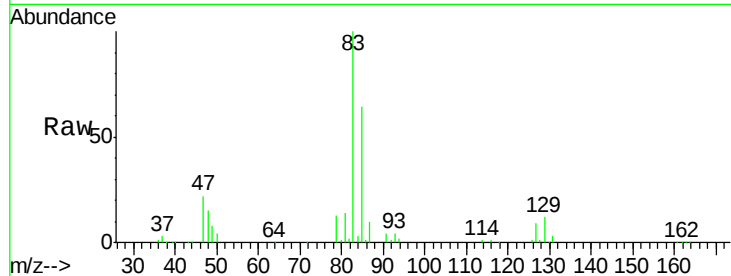
Tot Ion: 83 Resp: 633830

Ion Ratio Lower Upper

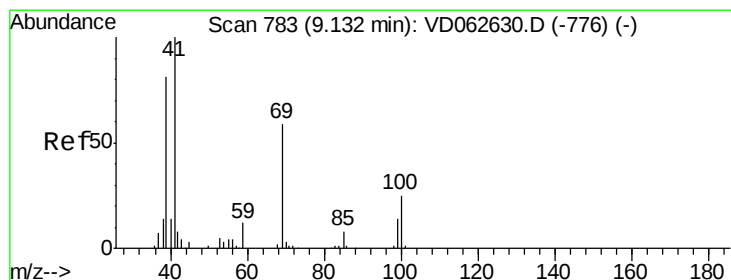
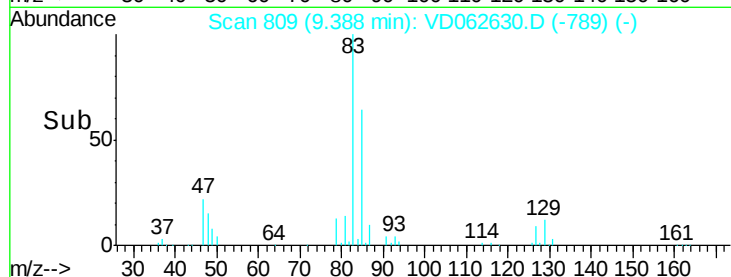
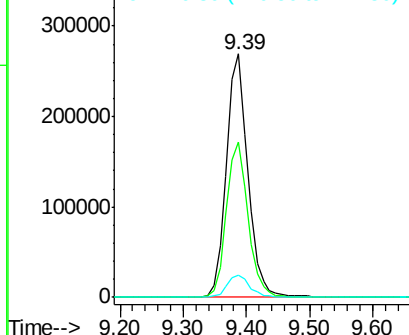
83 100

85 63.6 50.9 76.3

127 9.3 7.4 11.2



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: 52.942 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

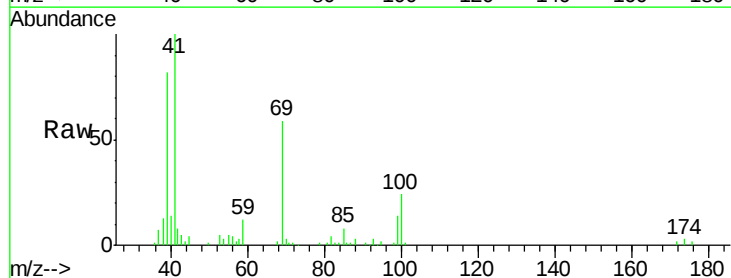
Tgt Ion: 41 Resp: 196139

Ion Ratio Lower Upper

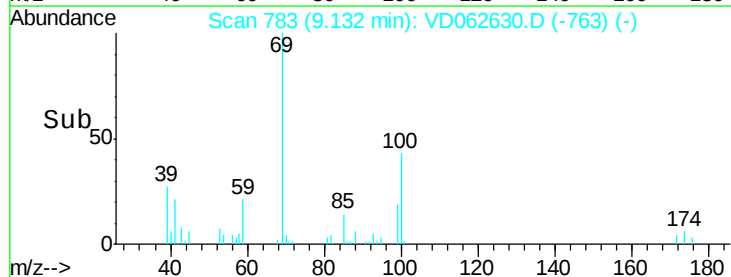
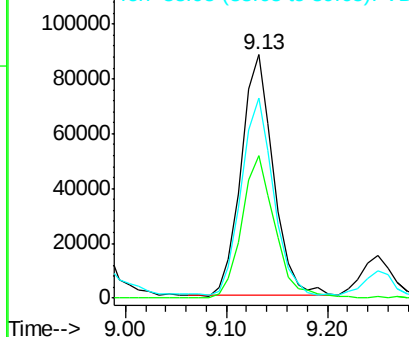
41 100

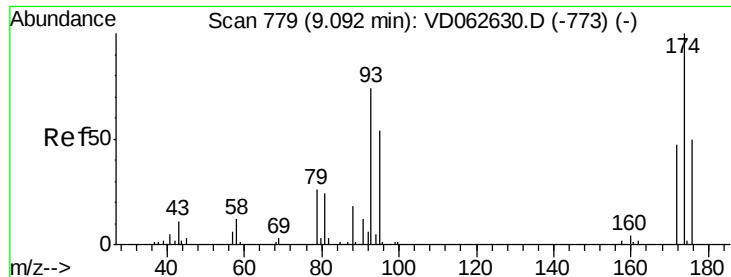
69 58.8 47.0 70.6

39 82.2 65.8 98.6



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

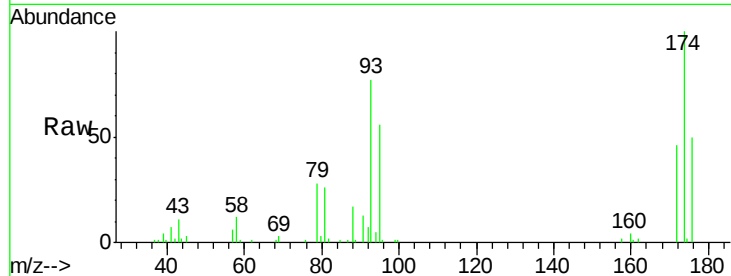




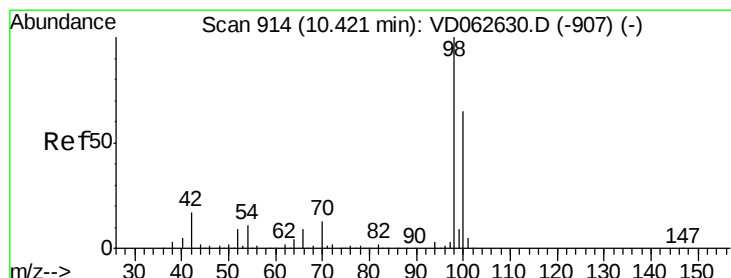
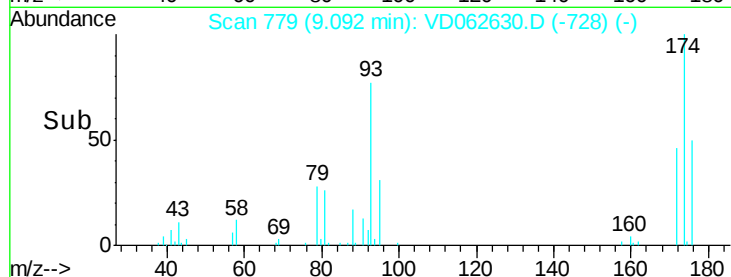
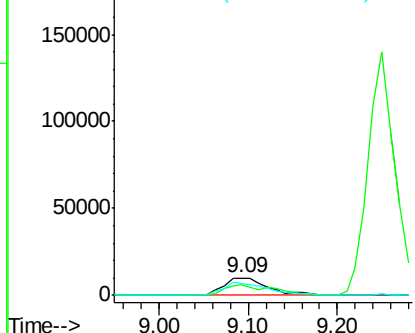
#49
1,4-Dioxane
Concen: 1152.027 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 34198
Ion Ratio Lower Upper
88 100
43 62.7 50.2 75.2
58 70.3 56.2 84.4

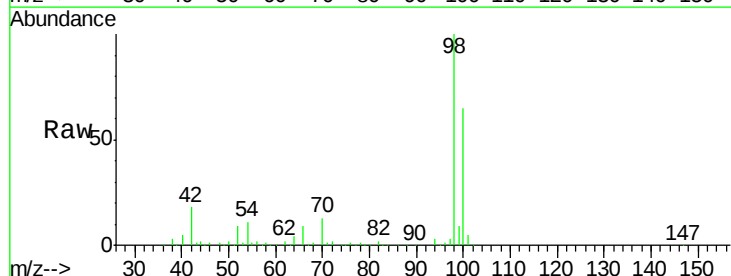


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

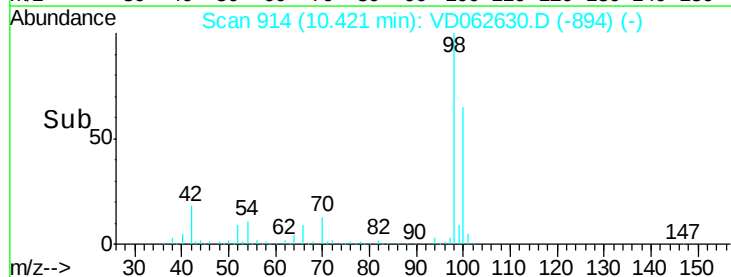
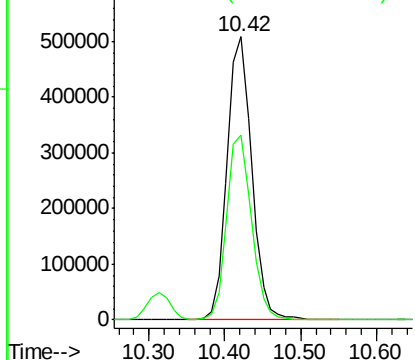


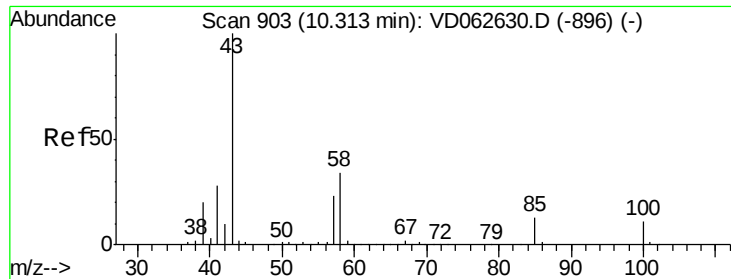
#50
Toluene-d8
Concen: 55.427 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Tgt Ion: 98 Resp: 1147204
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 275.424 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

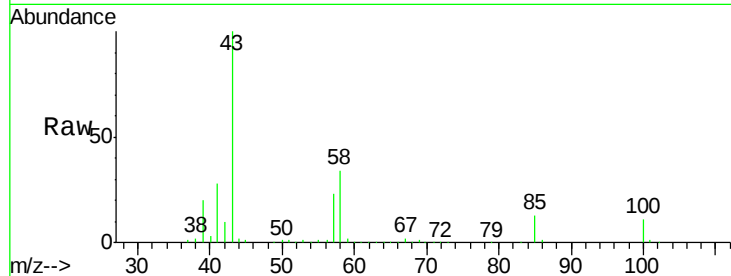
VSTDICCC050

Tot Ion: 43 Resp: 998404

Ion Ratio Lower Upper

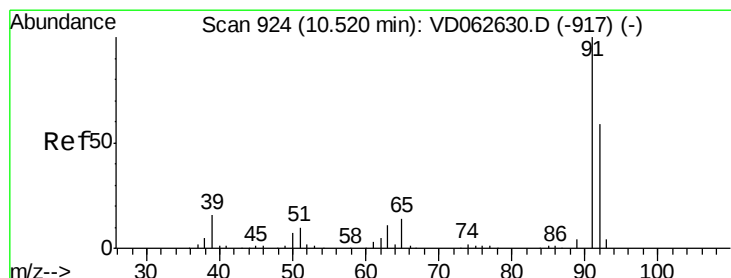
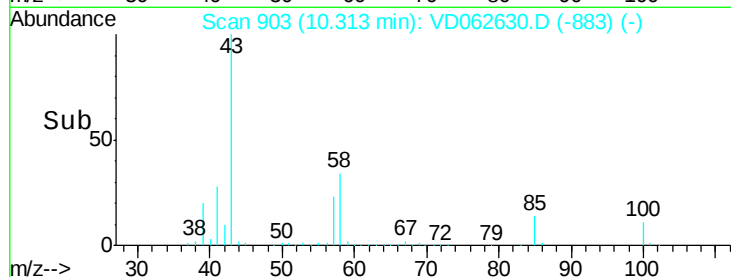
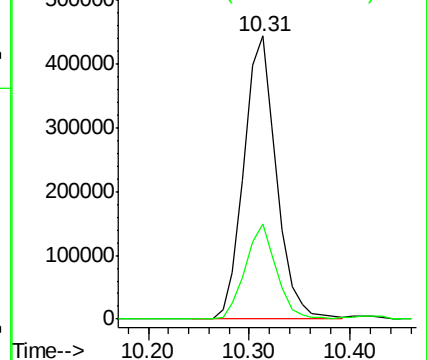
43 100

58 33.5 26.8 40.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 56.141 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD062630.D

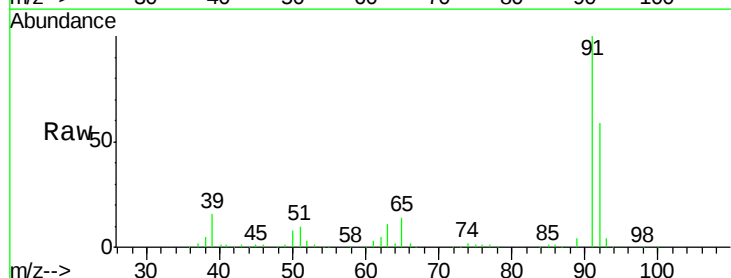
Acq: 6 Jun 2019 17:47

Tgt Ion: 92 Resp: 737133

Ion Ratio Lower Upper

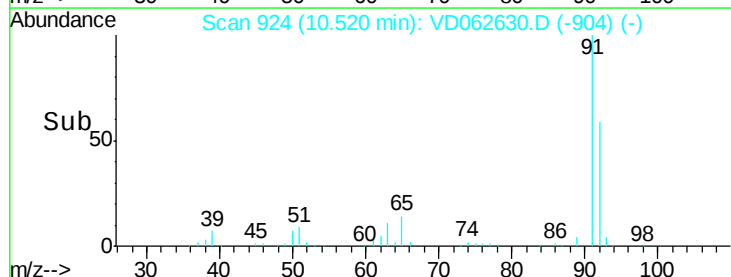
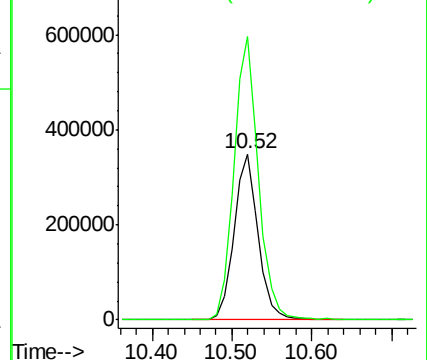
92 100

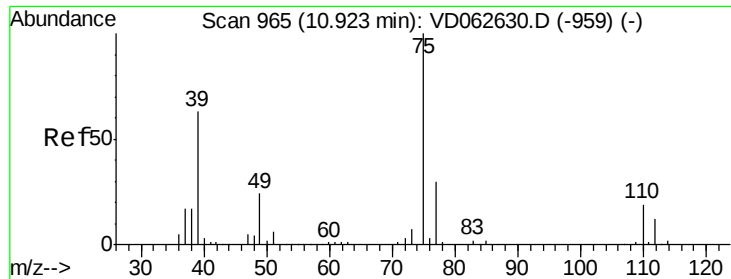
91 170.8 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

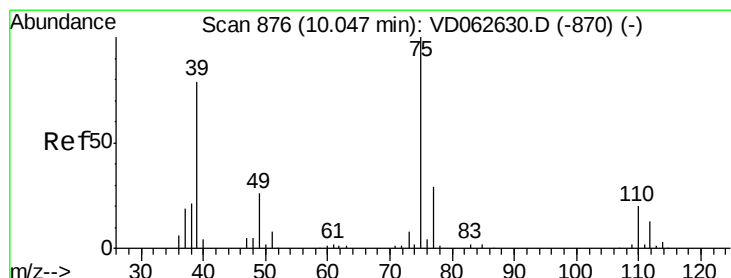
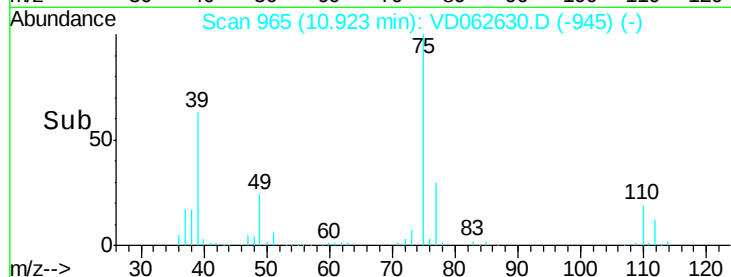
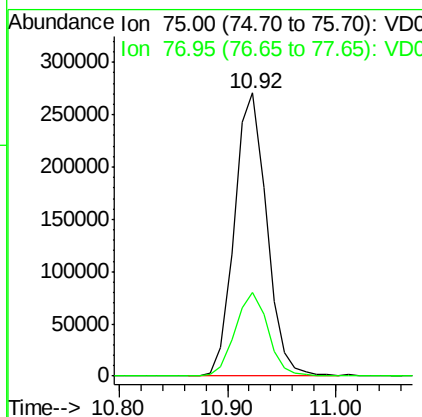
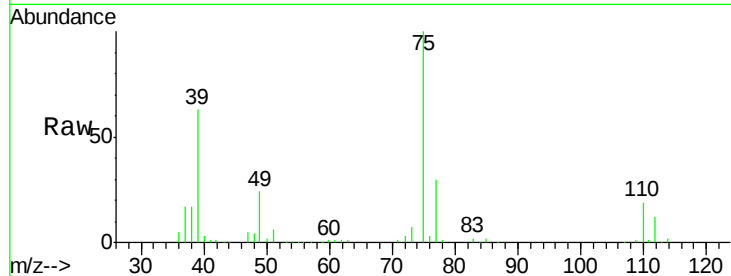




#53
 t-1,3-Dichloropropene
 Concen: 58.226 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

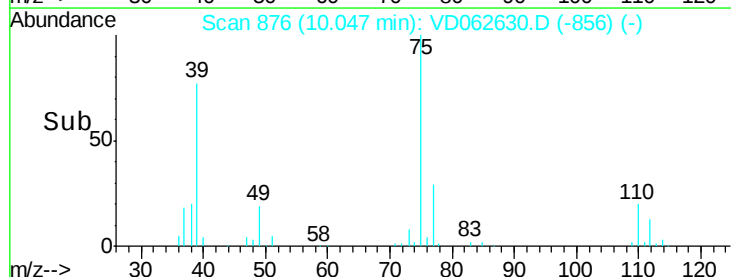
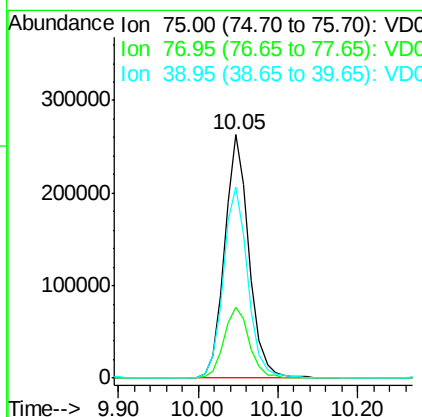
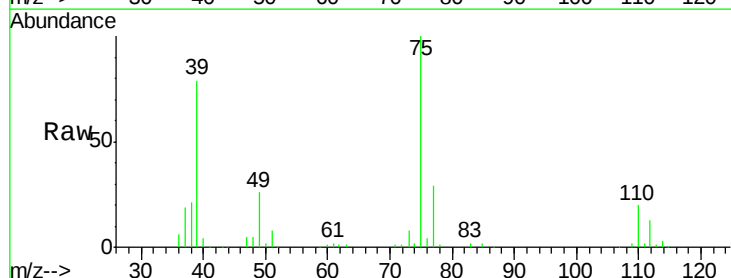
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

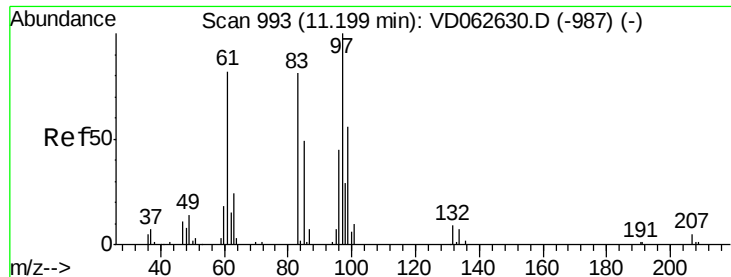
Tot Ion: 75 Resp: 561157
 Ion Ratio Lower Upper
 75 100
 77 29.6 23.7 35.5



#54
 cis-1,3-Dichloropropene
 Concen: 57.932 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion: 75 Resp: 565108
 Ion Ratio Lower Upper
 75 100
 77 29.3 23.4 35.2
 39 78.7 63.0 94.4

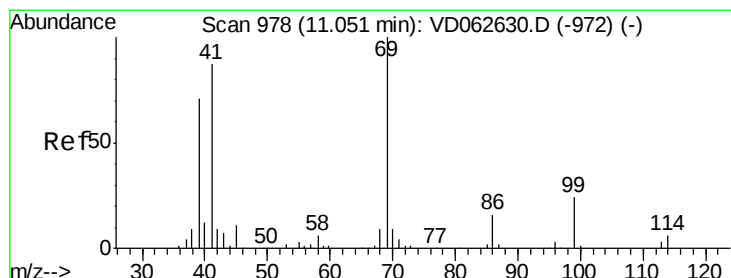
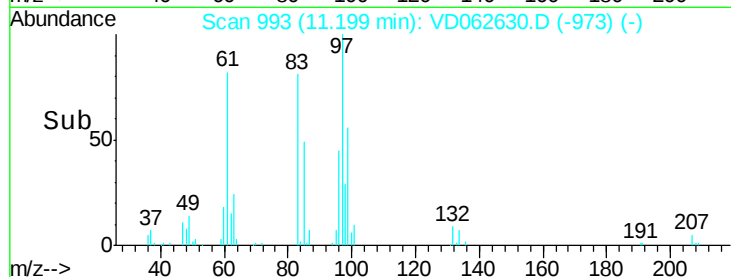
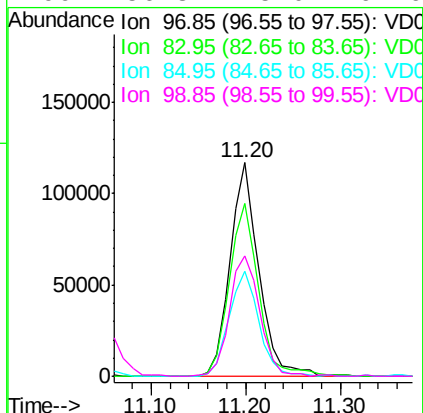
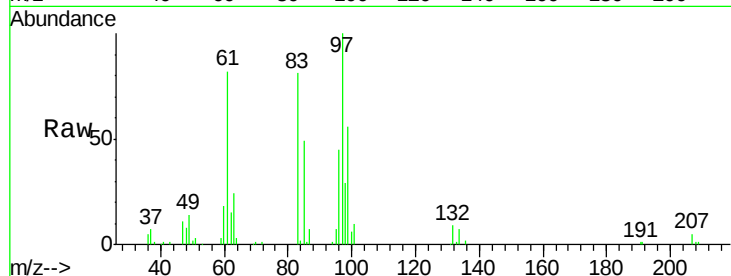




#55
 1,1,2-Trichloroethane
 Concen: 54.903 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

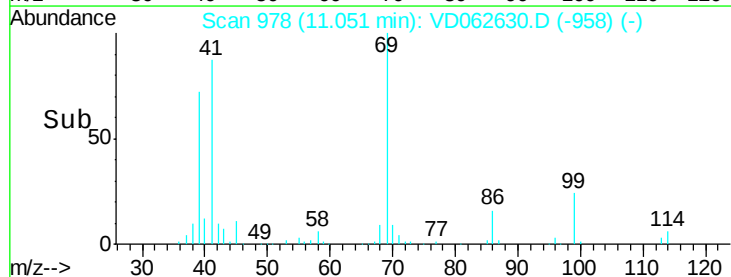
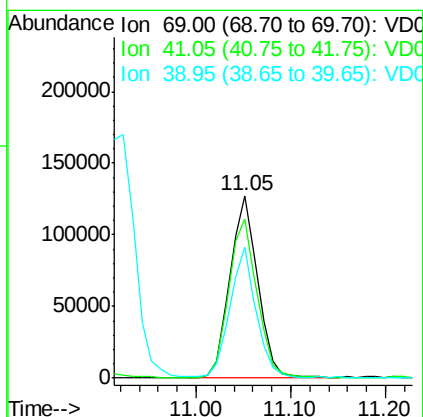
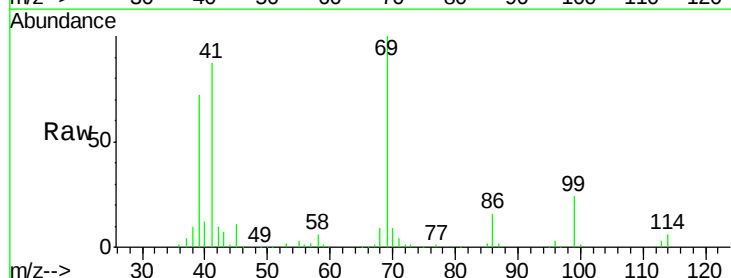
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

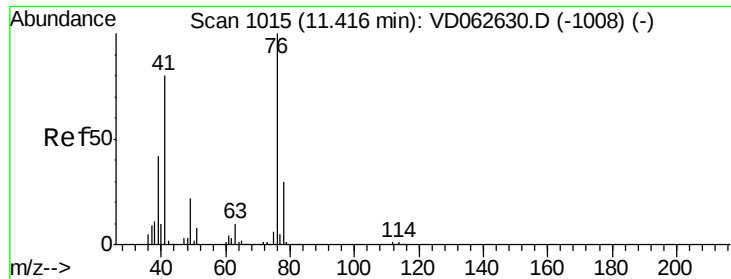
Tot Ion:	97	Resp:	245894
Ion	Ratio	Lower	Upper
97	100		
83	80.9	64.7	97.1
85	49.1	39.3	58.9
99	56.3	45.0	67.6



#56
 Ethyl methacrylate
 Concen: 53.524 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion:	69	Resp:	259078
Ion	Ratio	Lower	Upper
69	100		
41	87.3	69.8	104.8
39	72.0	57.6	86.4

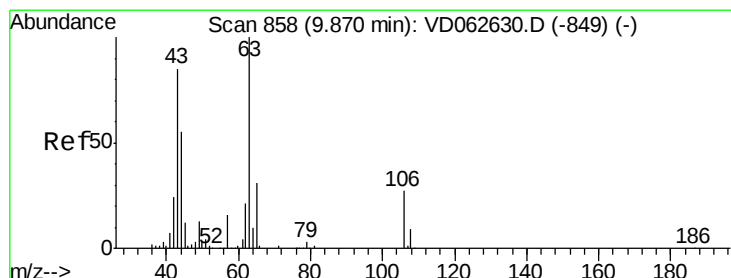
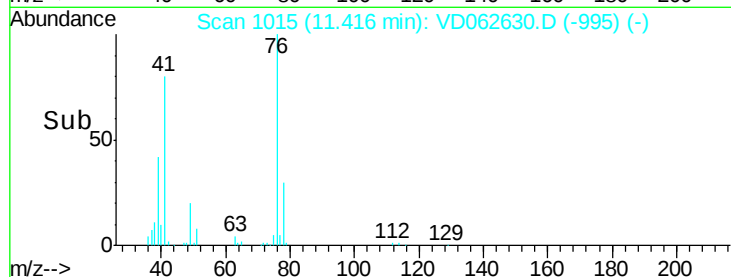
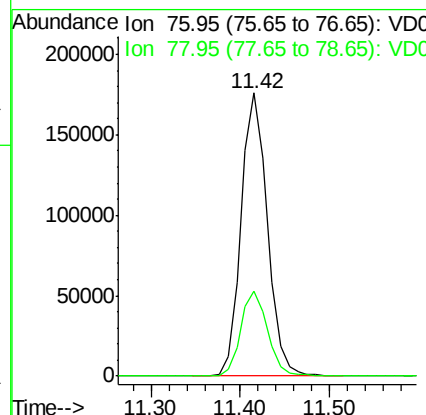
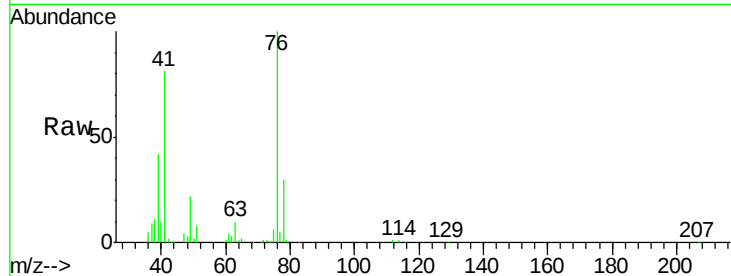




#57
 1,3-Dichloropropane
 Concen: 52.600 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

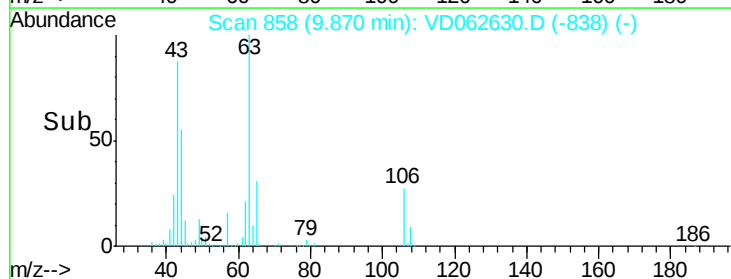
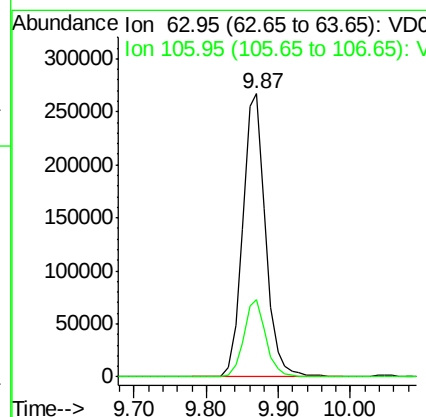
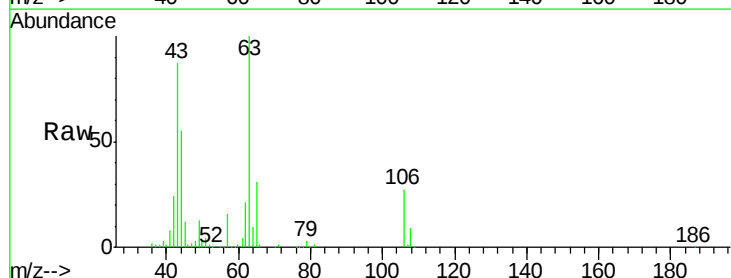
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

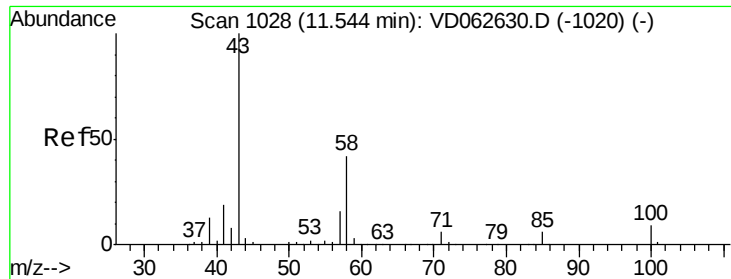
Tot Ion: 76 Resp: 362717
 Ion Ratio Lower Upper
 76 100
 78 29.8 23.8 35.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.309 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion: 63 Resp: 585956
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.8 32.8

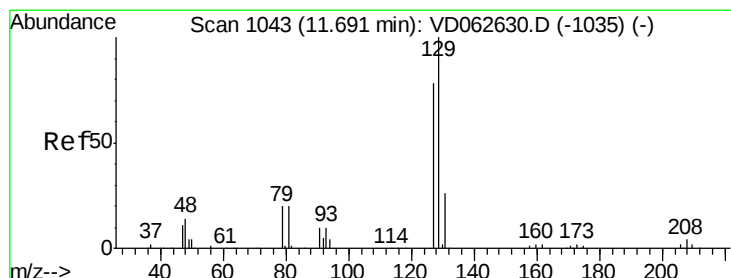
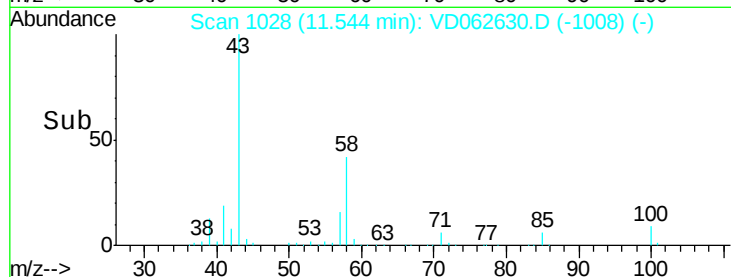
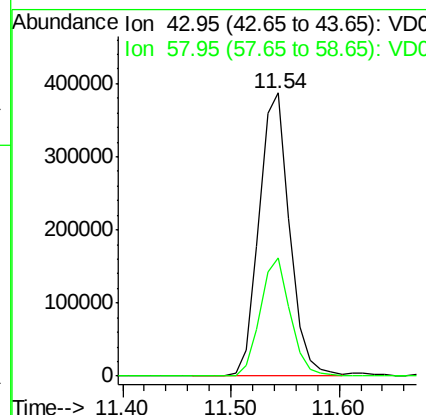
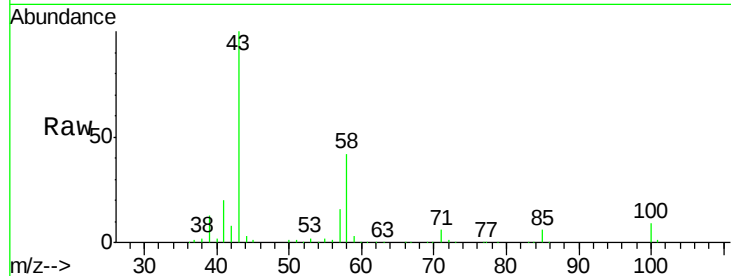




#59
 2-Hexanone
 Concen: 277.369 ug/l
 RT: 11.54 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

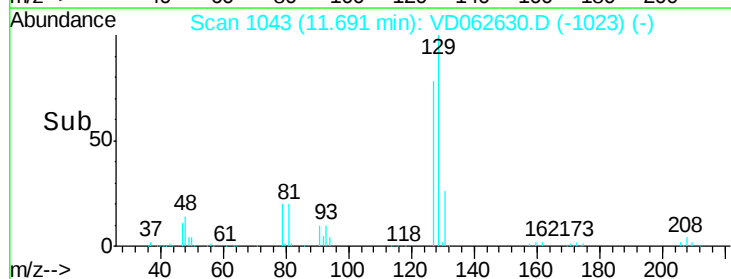
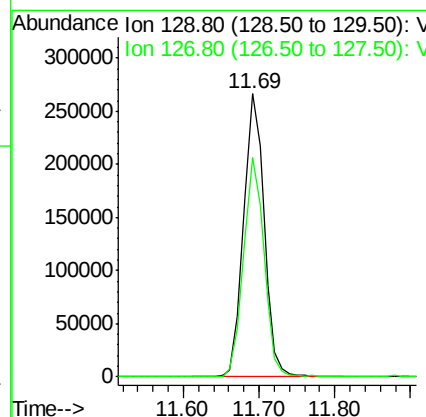
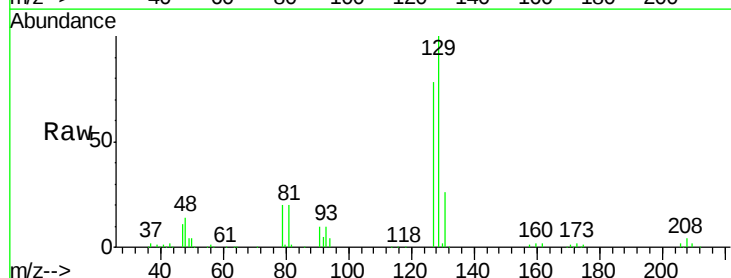
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

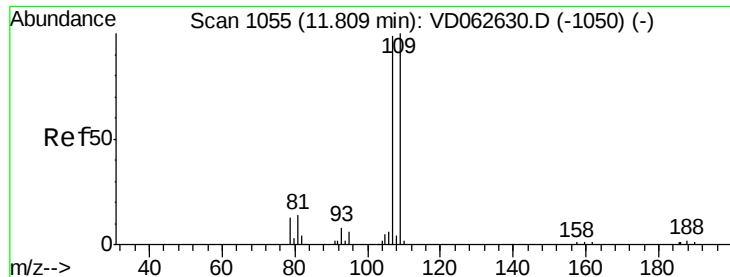
Tot Ion: 43 Resp: 758206
 Ion Ratio Lower Upper
 43 100
 58 41.6 20.8 62.4



#60
 Dibromochloromethane
 Concen: 57.057 ug/l
 RT: 11.69 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion: 129 Resp: 499294
 Ion Ratio Lower Upper
 129 100
 127 77.7 38.9 116.6

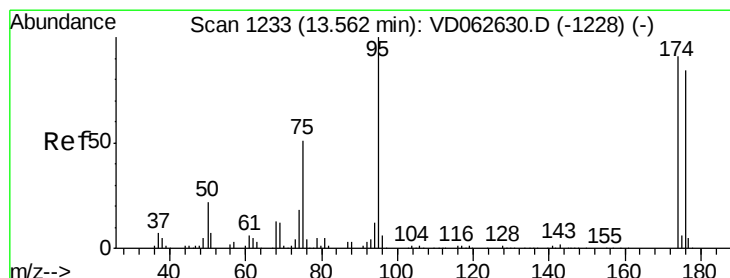
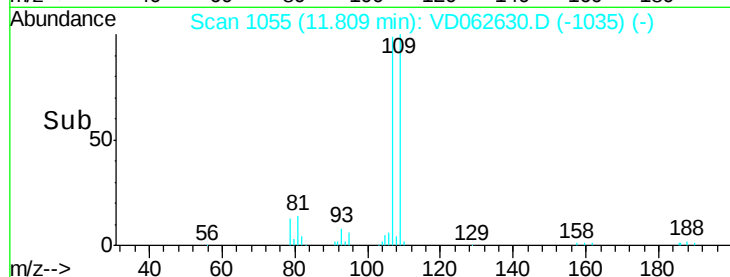
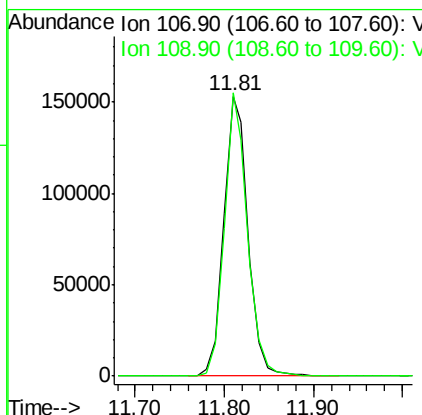
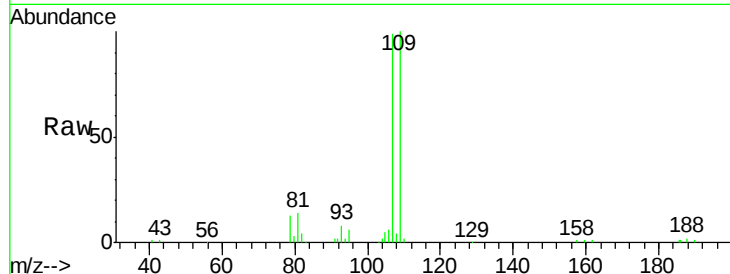




#61
 1,2-Dibromoethane
 Concen: 53.599 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

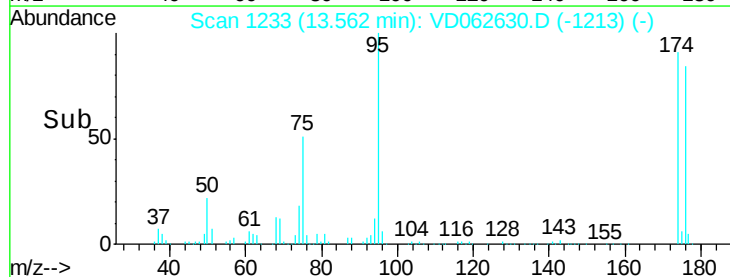
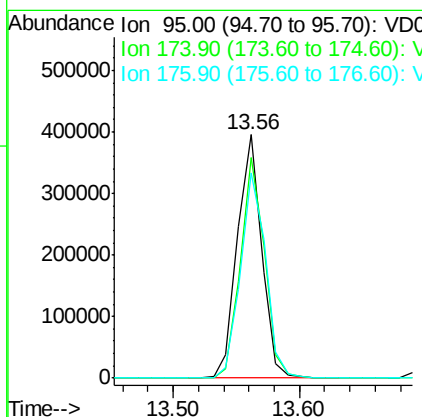
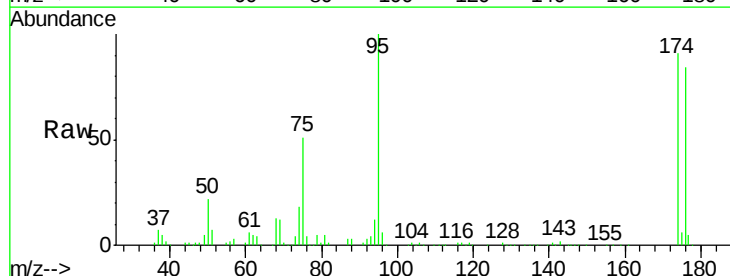
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

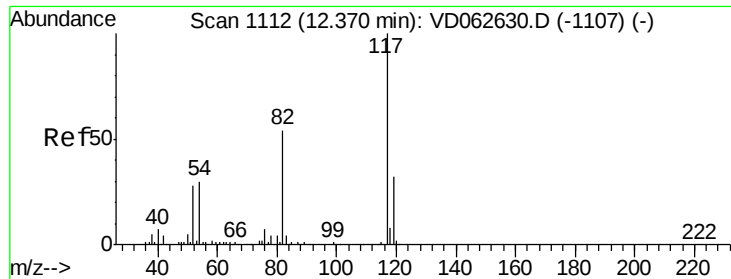
Tot Ion:107 Resp: 292963
 Ion Ratio Lower Upper
 107 100
 109 101.1 80.9 121.3



#62
 4-Bromofluorobenzene
 Concen: 54.337 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion: 95 Resp: 523628
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 181.6
 176 84.3 0.0 168.6

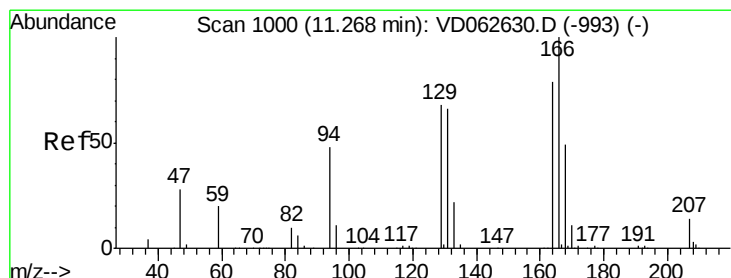
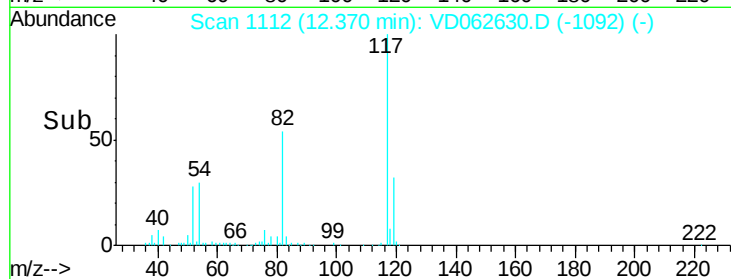
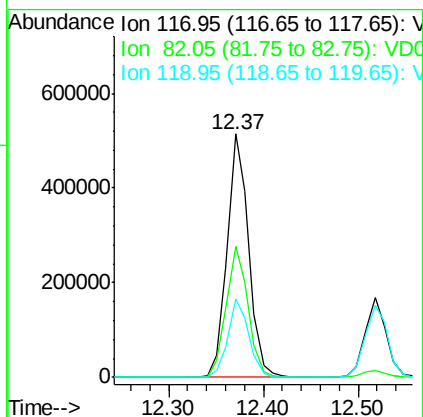
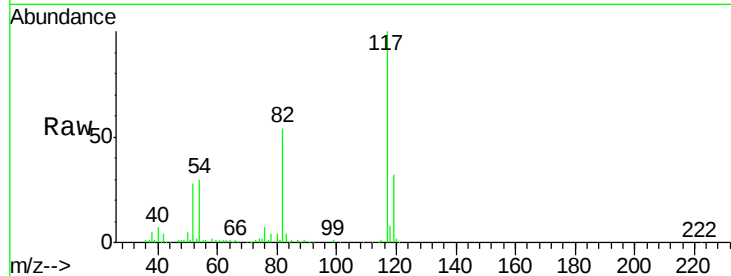




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

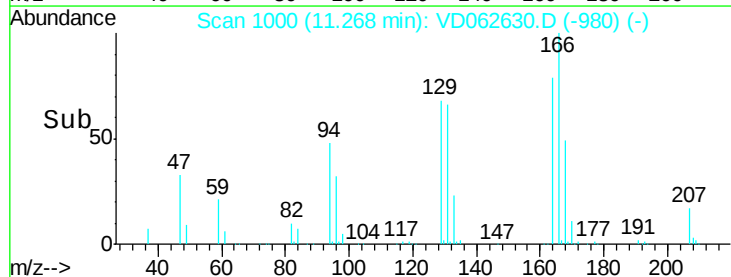
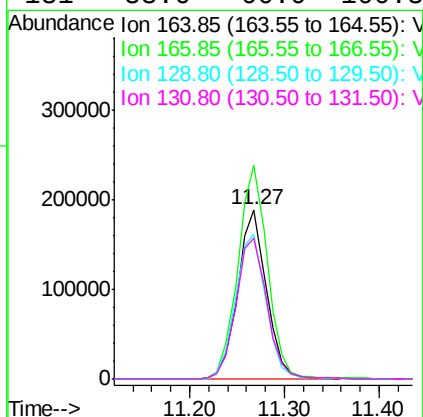
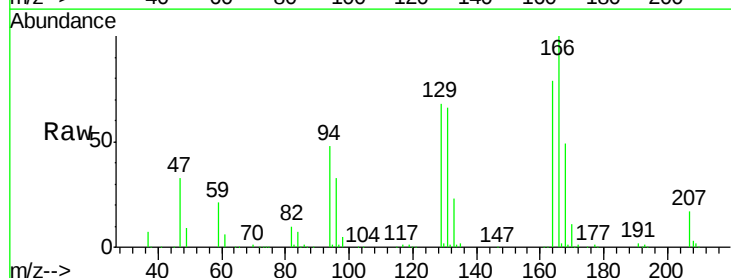
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

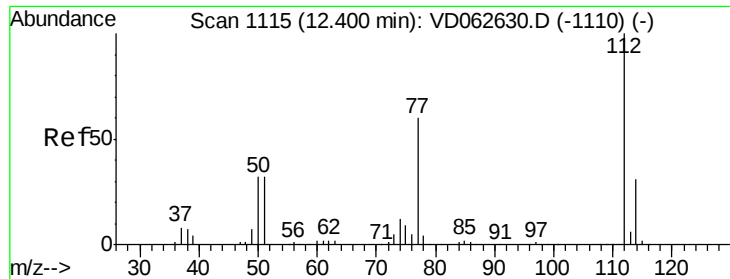
Tot Ion:117 Resp: 807166
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.6
119 32.4 25.9 38.9



#64
Tetrachloroethene
Concen: 55.218 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Tgt Ion:164 Resp: 397609
Ion Ratio Lower Upper
164 100
166 126.3 101.0 151.6
129 85.3 68.2 102.4
131 83.6 66.9 100.3

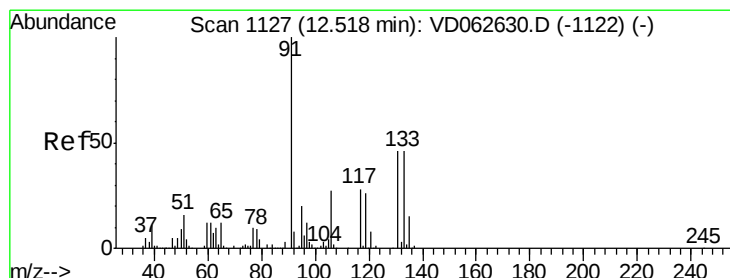
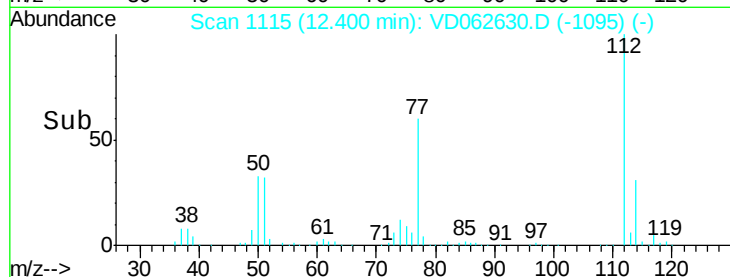
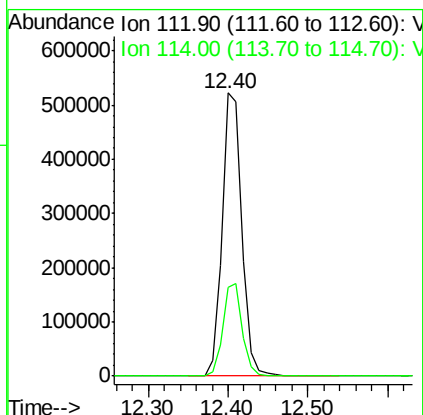
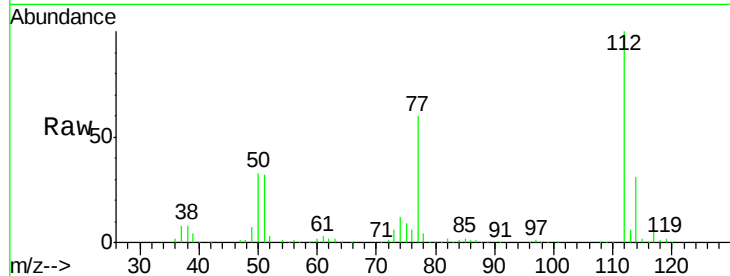




#65
Chlorobenzene
Concen: 55.019 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

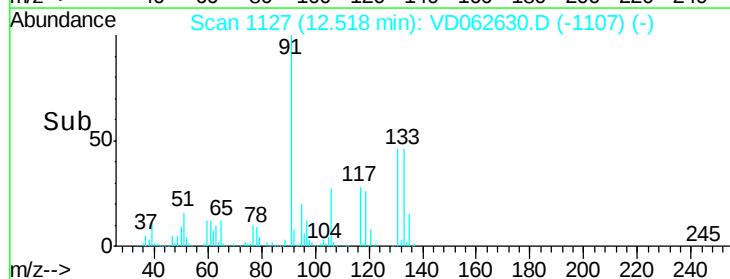
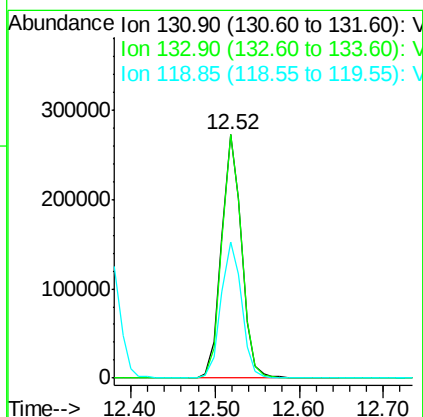
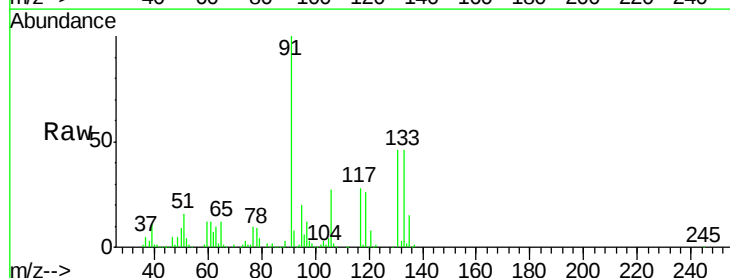
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

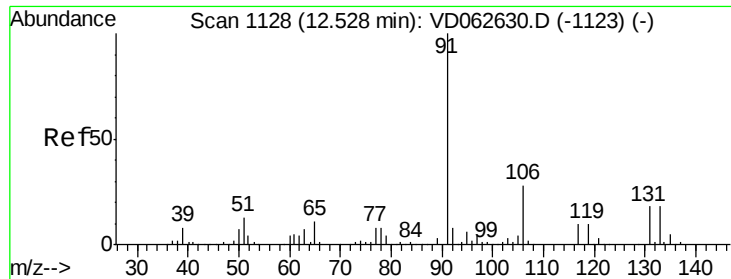
Tot Ion:112 Resp: 912287
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 56.289 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Tgt Ion:131 Resp: 450204
Ion Ratio Lower Upper
131 100
133 99.8 49.9 149.7
119 56.0 28.0 84.0

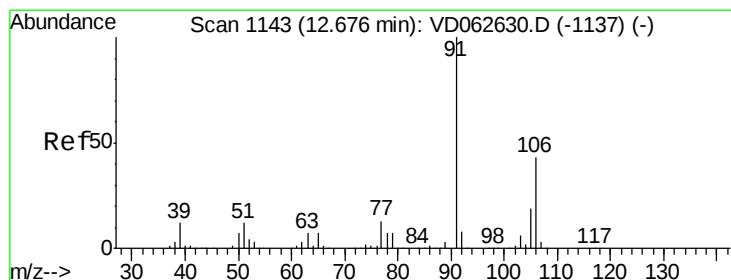
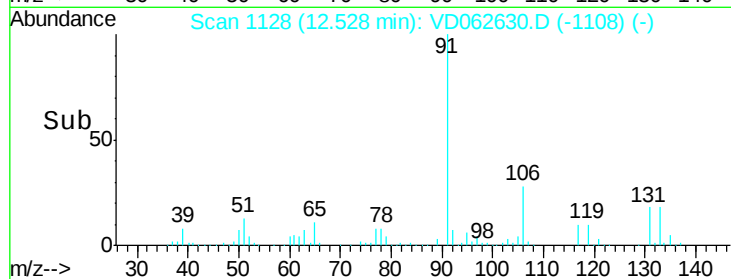
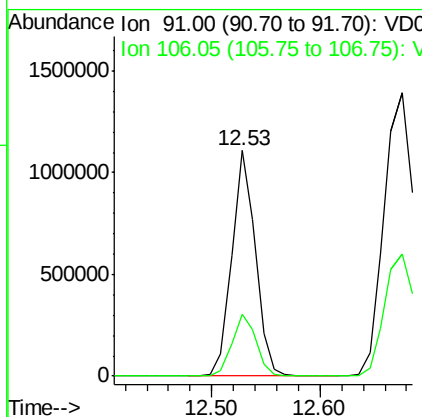
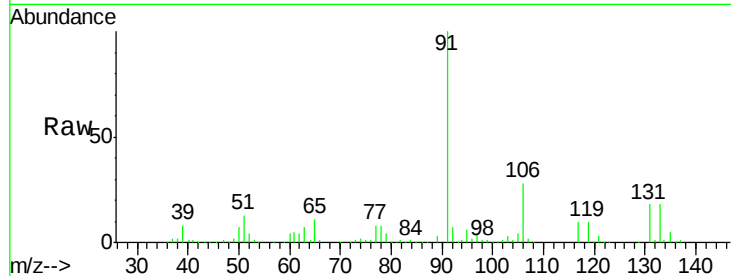




#67
Ethyl Benzene
Concen: 55.955 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

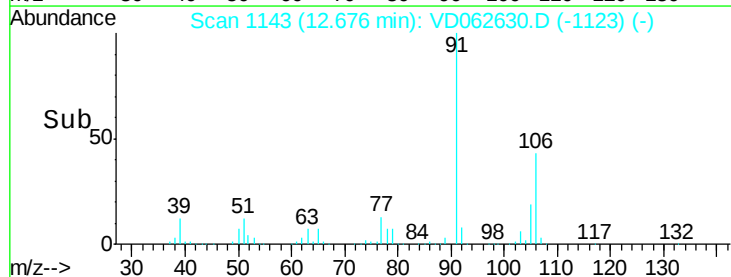
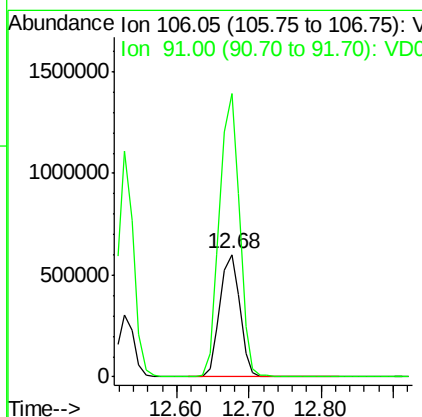
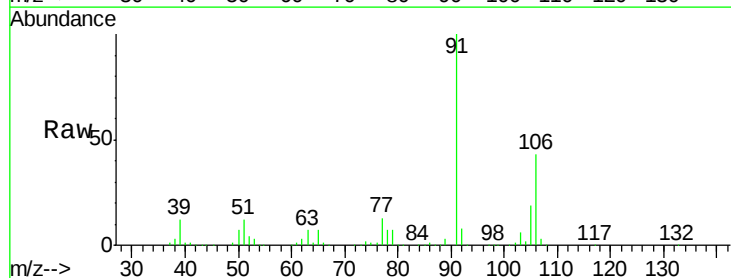
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

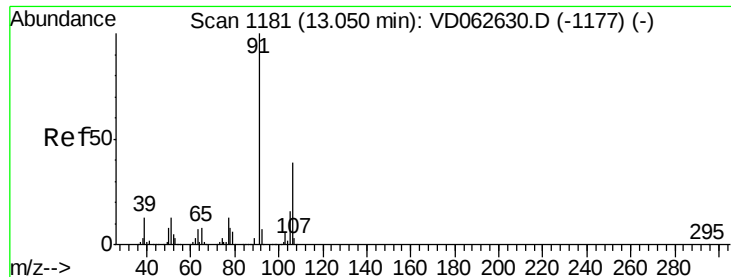
Tot Ion: 91 Resp: 1688934
Ion Ratio Lower Upper
91 100
106 27.7 22.2 33.2



#68
m/p-Xylenes
Concen: 110.930 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Tgt Ion: 106 Resp: 1161661
Ion Ratio Lower Upper
106 100
91 230.9 184.7 277.1

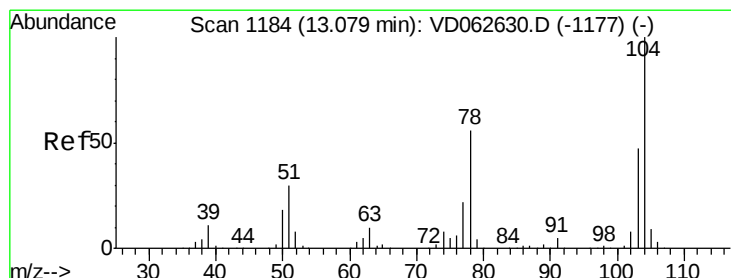
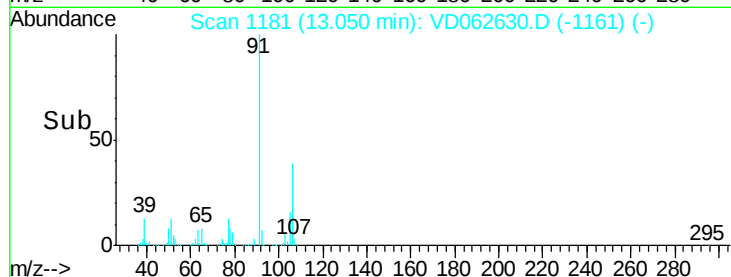
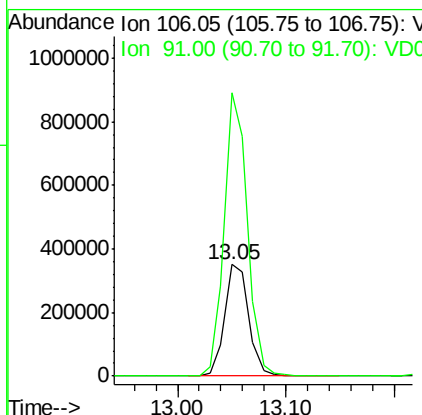
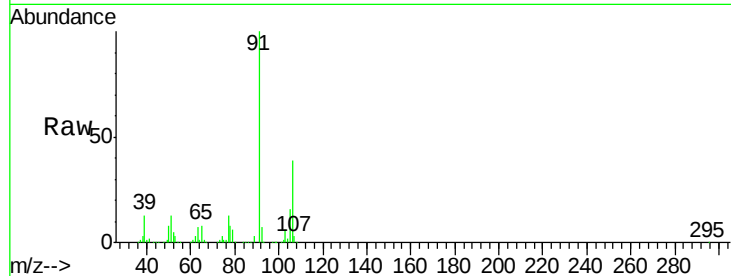




#69
o-Xylene
Concen: 54.126 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

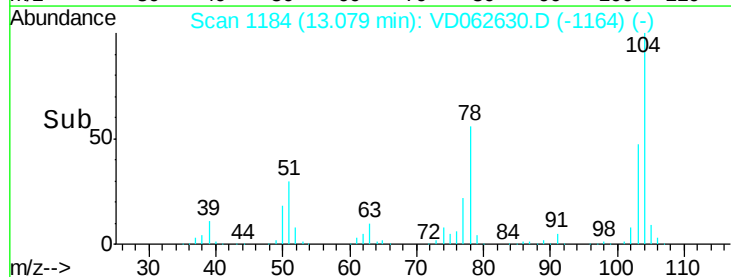
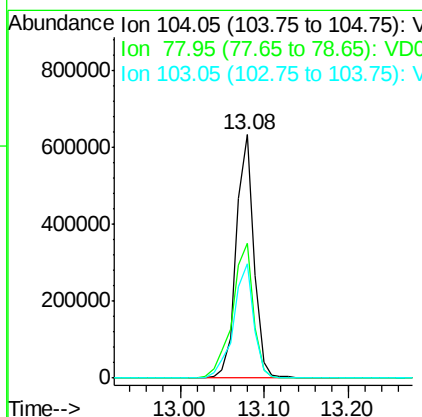
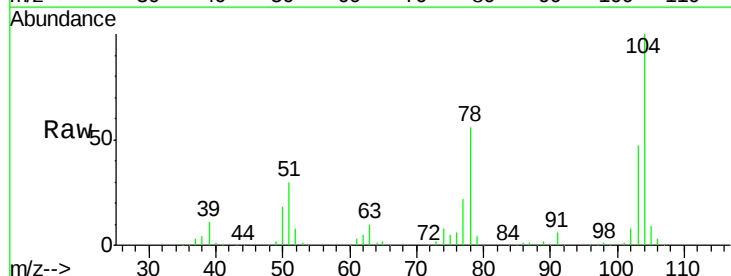
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

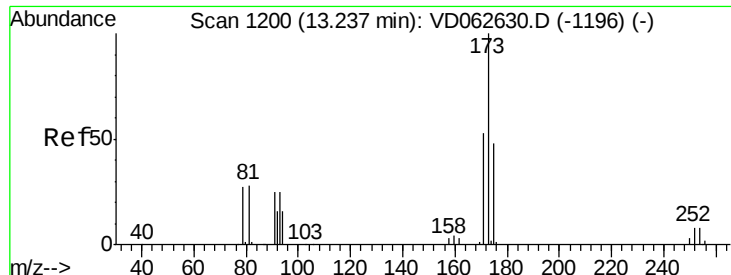
Tot Ion:106 Resp: 543423
Ion Ratio Lower Upper
106 100
91 253.9 127.0 380.9



#70
Styrene
Concen: 54.435 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Tgt Ion:104 Resp: 921471
Ion Ratio Lower Upper
104 100
78 55.5 44.4 66.6
103 46.7 37.4 56.0





#71

Bromoform

Concen: 55.919 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

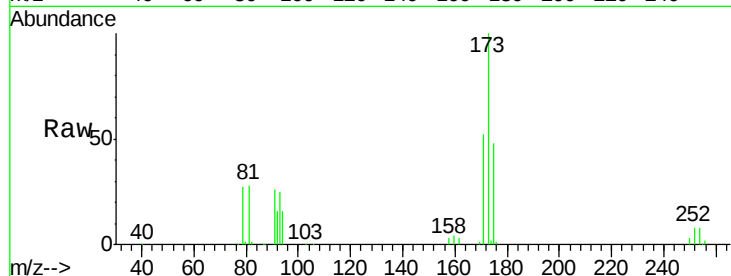
Tot Ion:173 Resp: 305564

Ion Ratio Lower Upper

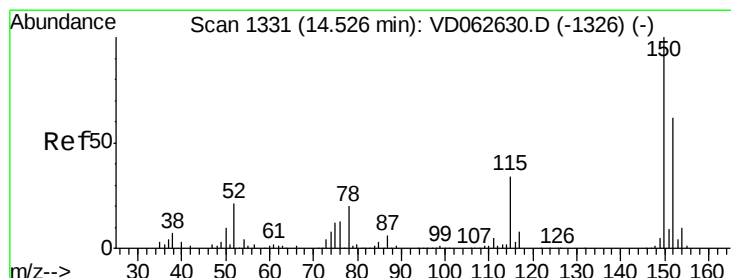
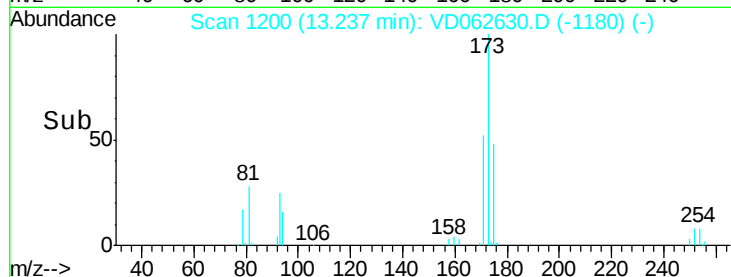
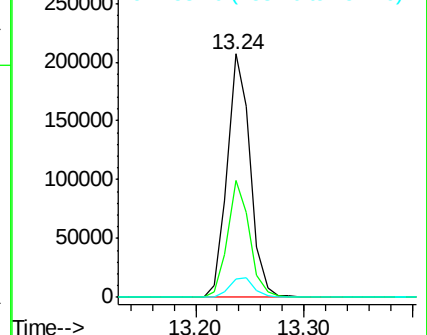
173 100

175 47.9 23.9 71.8

254 7.7 6.2 9.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

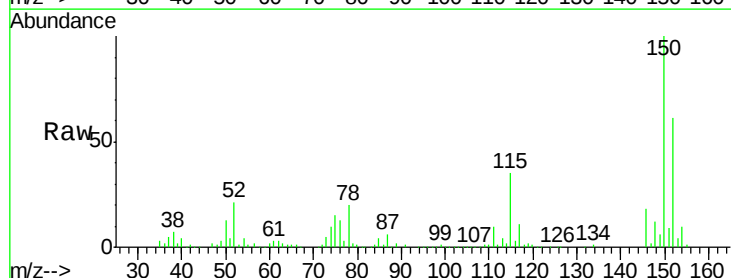
Tgt Ion:152 Resp: 436698

Ion Ratio Lower Upper

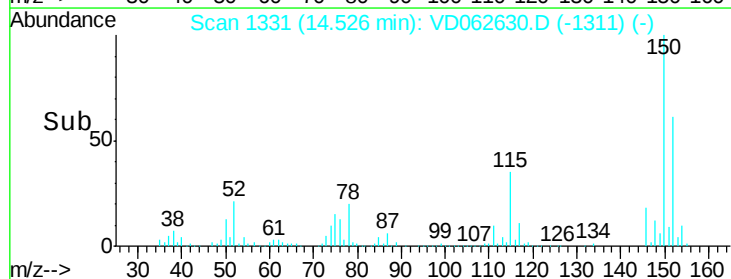
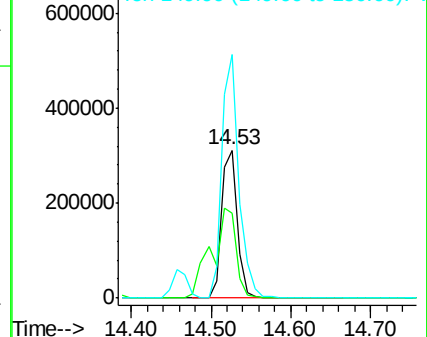
152 100

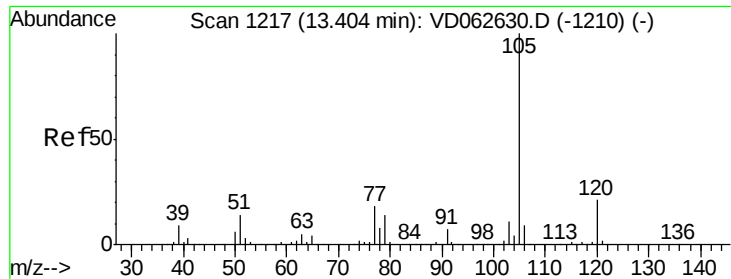
115 57.4 28.7 86.1

150 164.4 0.0 328.8



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: 54.782 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

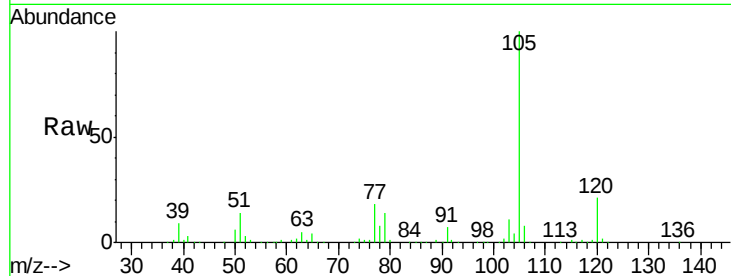
VSTDICCC050

Tot Ion:105 Resp: 1652521

Ion Ratio Lower Upper

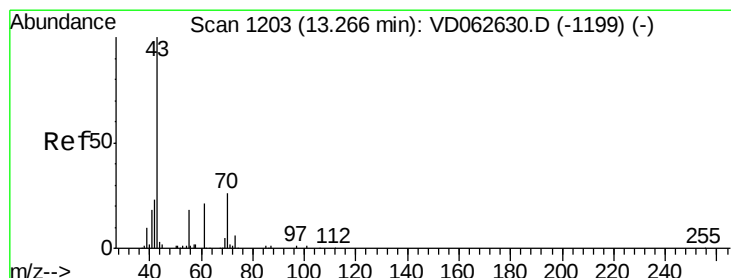
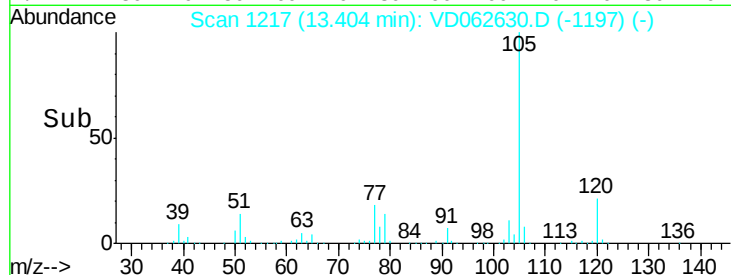
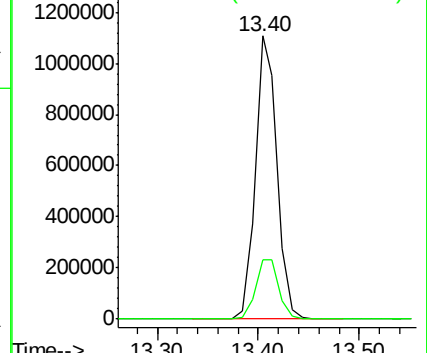
105 100

120 20.9 10.4 31.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.196 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Tgt Ion: 43 Resp: 422818

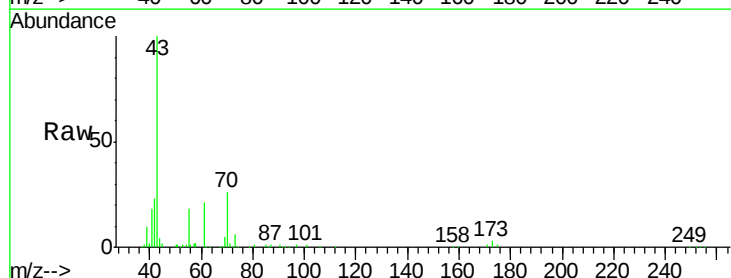
Ion Ratio Lower Upper

43 100

70 26.3 21.0 31.6

55 18.2 14.6 21.8

61 20.6 16.5 24.7

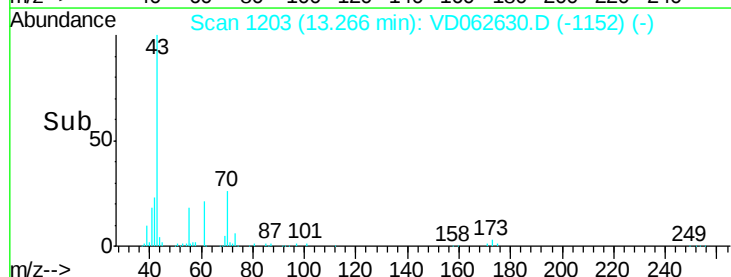
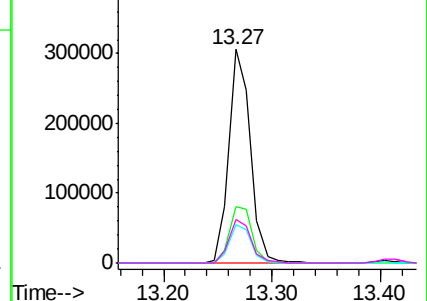


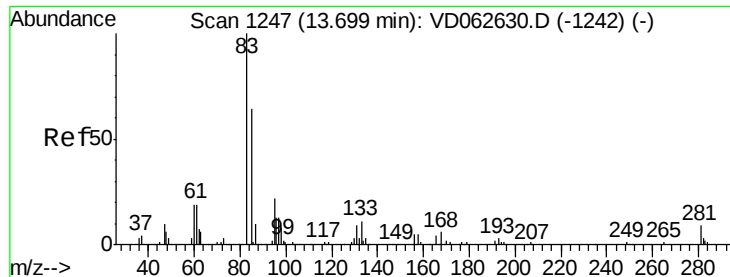
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 53.904 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

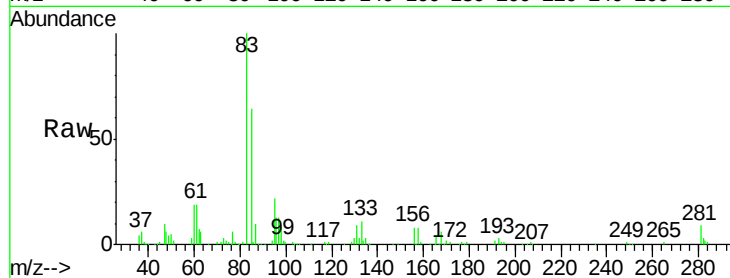
Tot Ion: 83 Resp: 271168

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

85 64.1 32.0 96.2



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

200000

150000

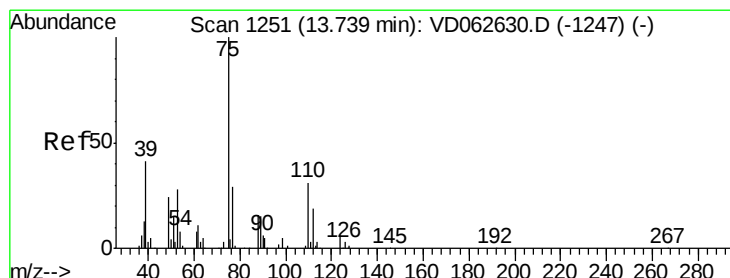
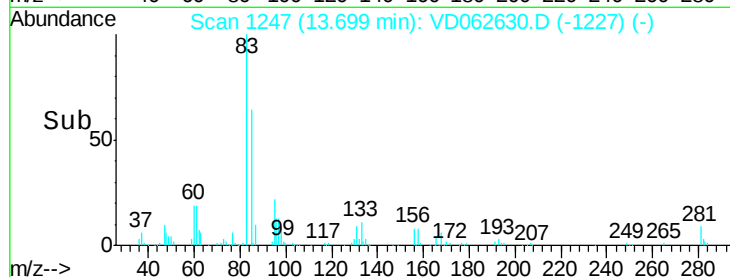
100000

50000

0

13.60 13.70 13.80

Time-->



#76

1,2,3-Trichloropropane

Concen: 57.101 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062630.D

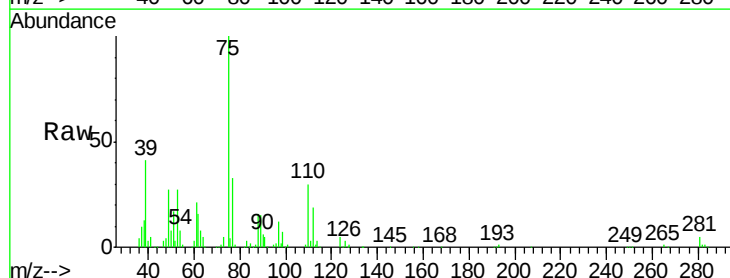
Acq: 6 Jun 2019 17:47

Tgt Ion: 75 Resp: 326503

Ion Ratio Lower Upper

75 100

77 33.1 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

500000

400000

300000

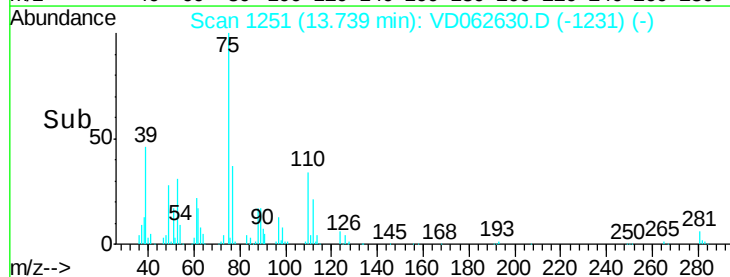
200000

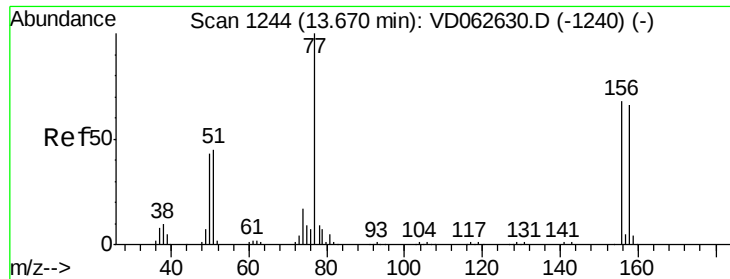
100000

0

13.65 13.70 13.75 13.80

Time-->





#77

Bromobenzene

Concen: 55.768 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

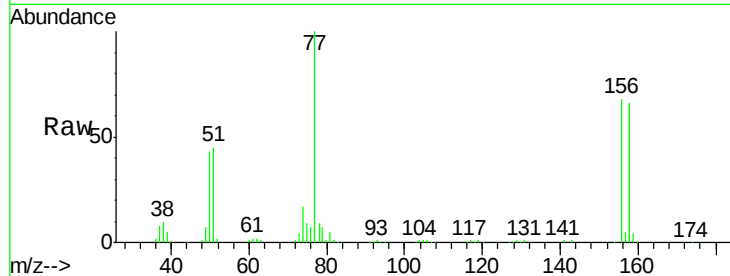
Tot Ion:156 Resp: 465008

Ion Ratio Lower Upper

156 100

77 146.9 73.5 220.3

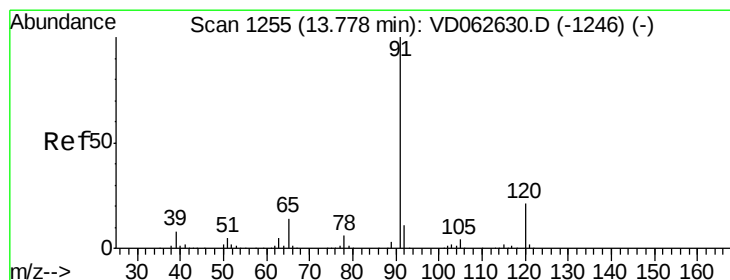
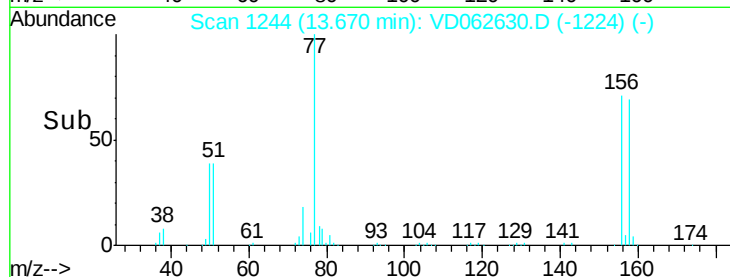
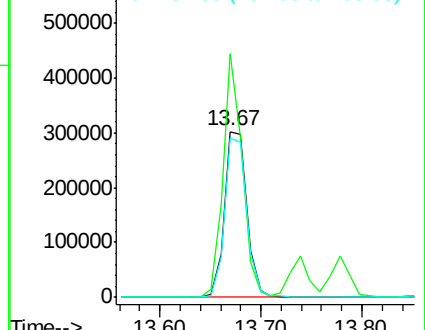
158 96.4 48.2 144.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 57.936 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062630.D

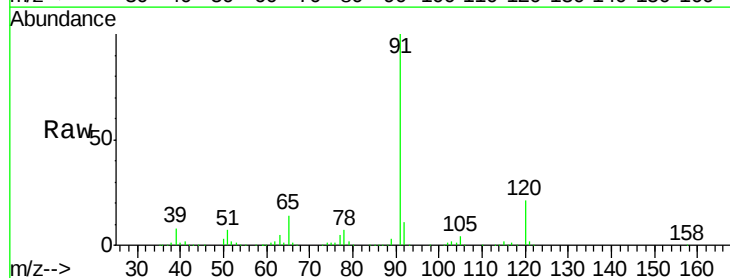
Acq: 6 Jun 2019 17:47

Tgt Ion: 91 Resp: 2051748

Ion Ratio Lower Upper

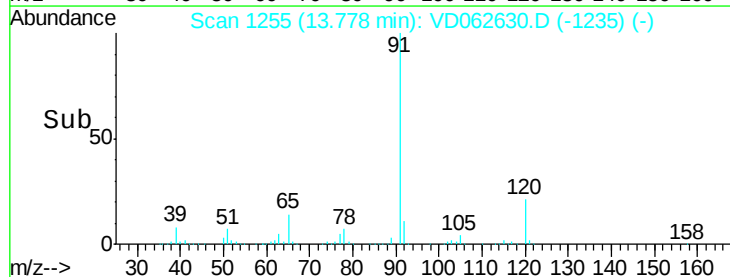
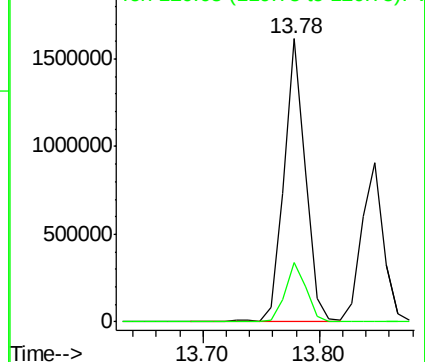
91 100

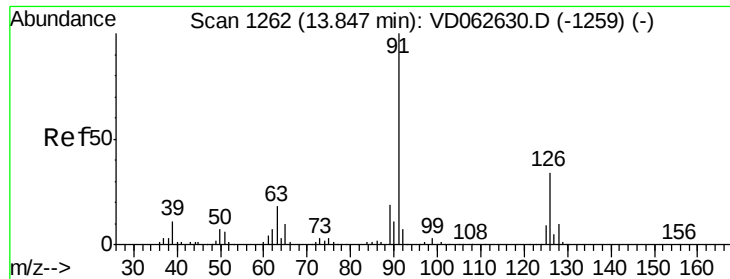
120 20.9 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 55.487 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

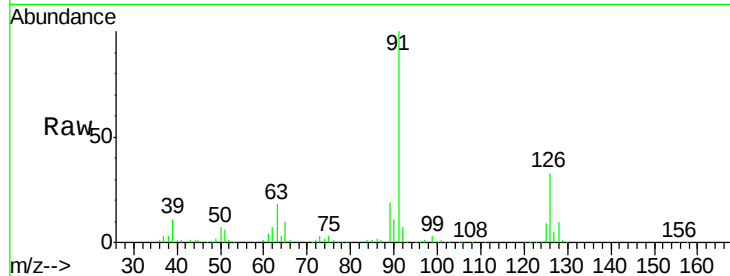
VSTDICCC050

Tot Ion: 91 Resp: 1173817

Ion Ratio Lower Upper

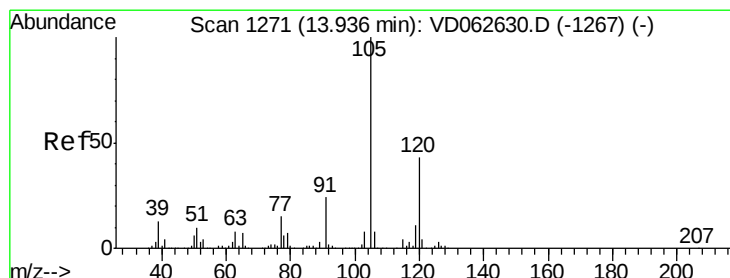
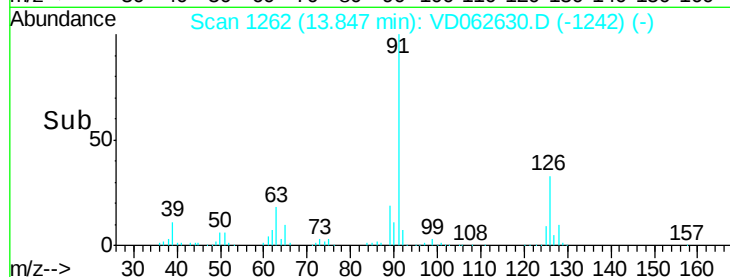
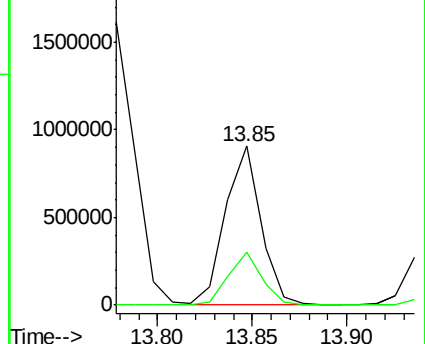
91 100

126 33.3 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 55.301 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062630.D

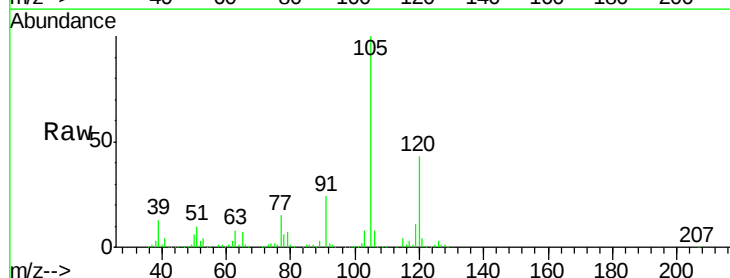
Acq: 6 Jun 2019 17:47

Tgt Ion:105 Resp: 1469830

Ion Ratio Lower Upper

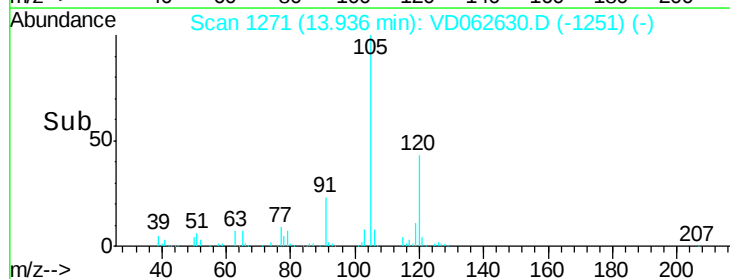
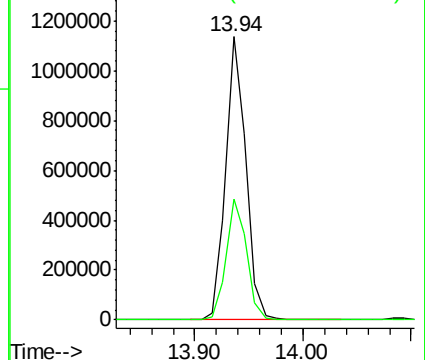
105 100

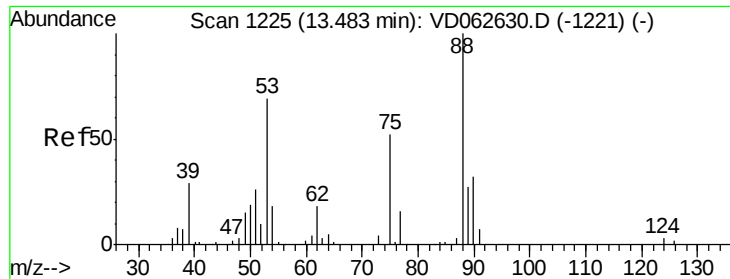
120 42.7 21.3 64.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 55.534 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

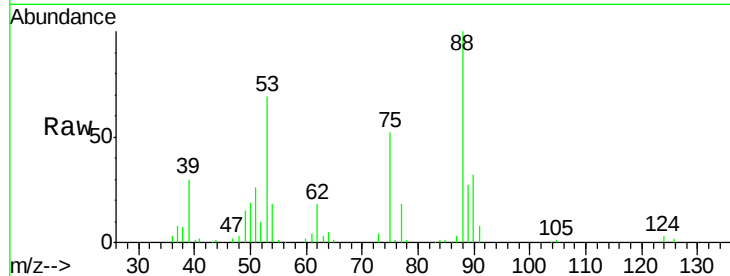
Tot Ion: 75 Resp: 80415

Ion Ratio Lower Upper

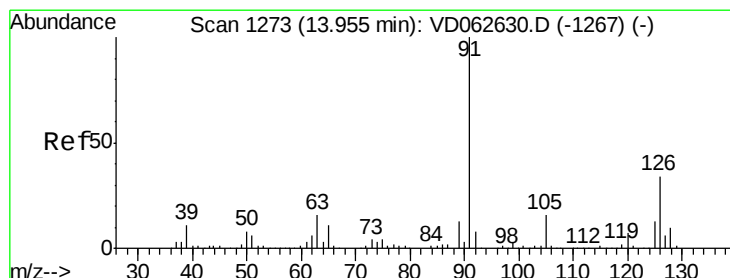
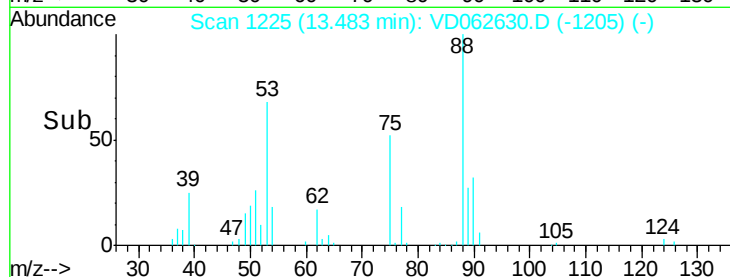
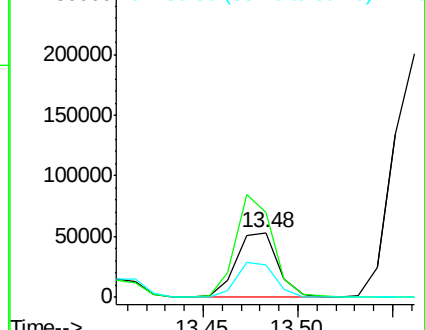
75 100

53 132.0 105.6 158.4

89 51.1 40.9 61.3



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: 55.781 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD062630.D

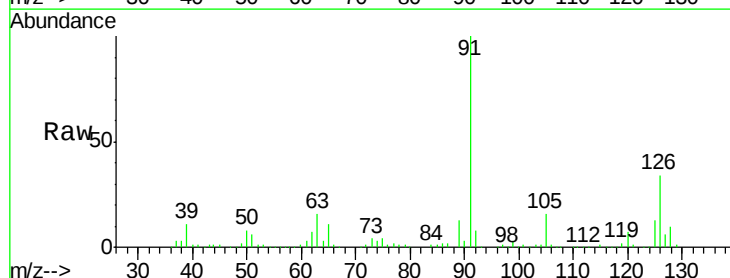
Acq: 6 Jun 2019 17:47

Tgt Ion: 91 Resp: 1408263

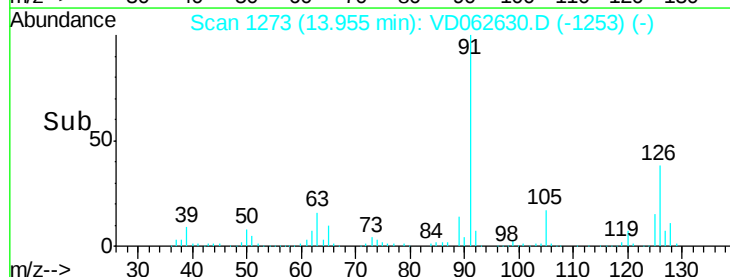
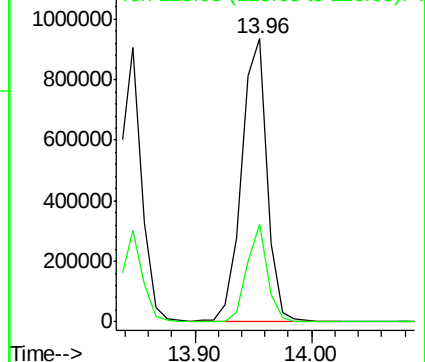
Ion Ratio Lower Upper

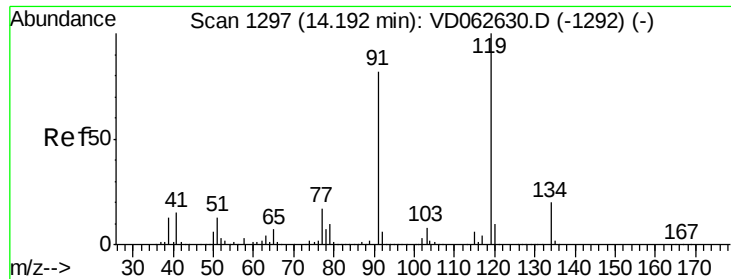
91 100

126 34.4 17.2 51.6



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

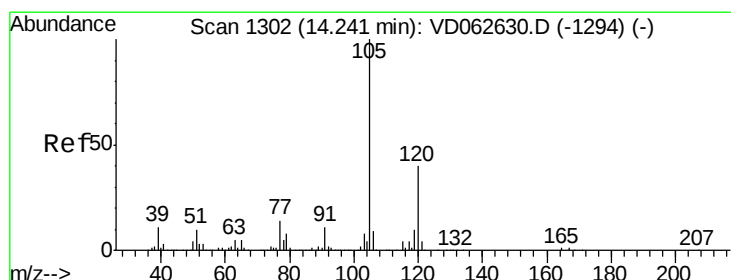
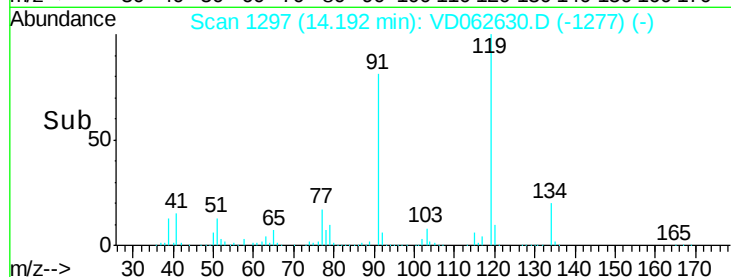
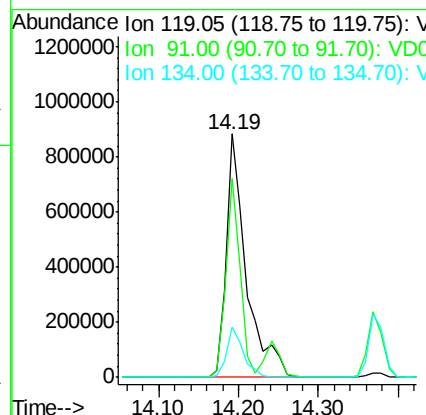
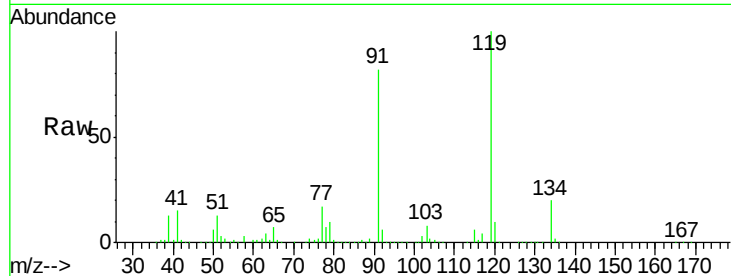




#83
 tert-Butylbenzene
 Concen: 54.310 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

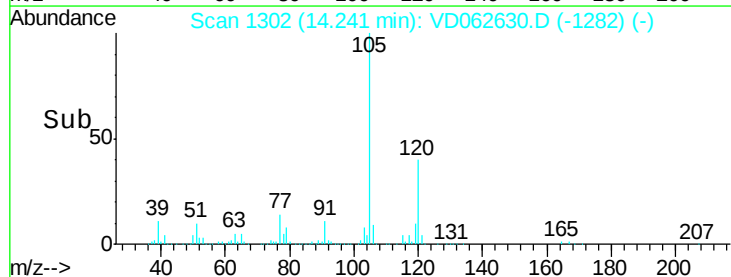
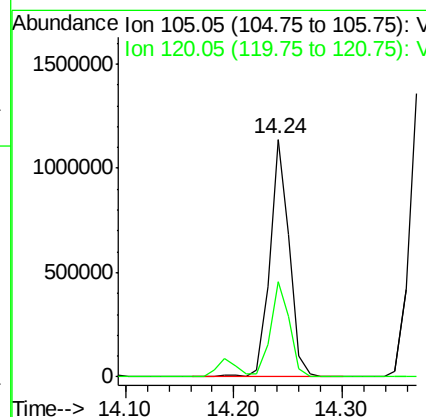
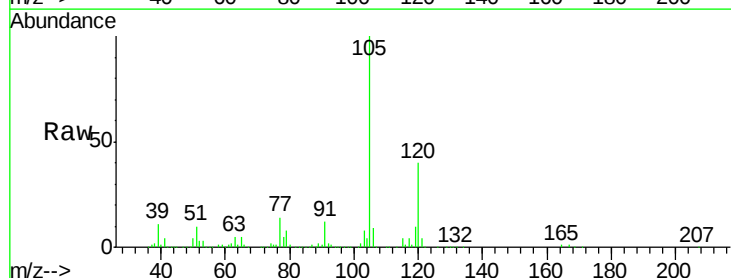
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

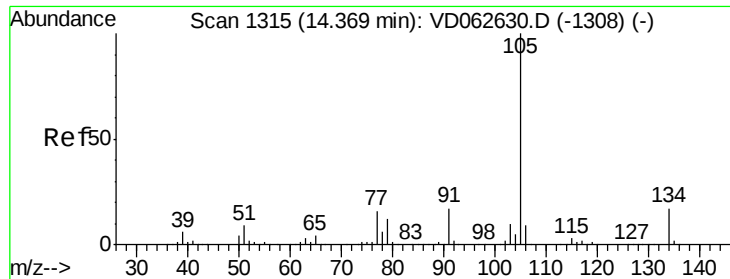
Tot Ion:119 Resp: 1564441
 Ion Ratio Lower Upper
 119 100
 91 81.7 40.8 122.5
 134 20.5 10.3 30.8



#84
 1,2,4-Trimethylbenzene
 Concen: 53.835 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion:105 Resp: 1432735
 Ion Ratio Lower Upper
 105 100
 120 39.9 20.0 59.9

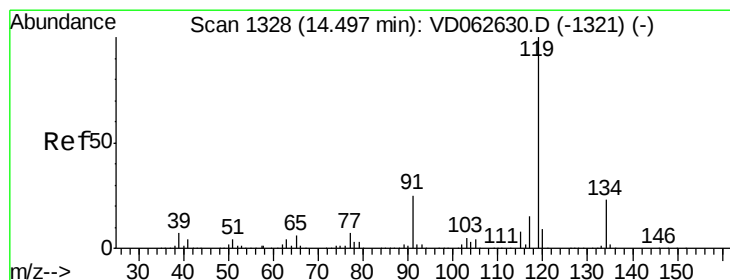
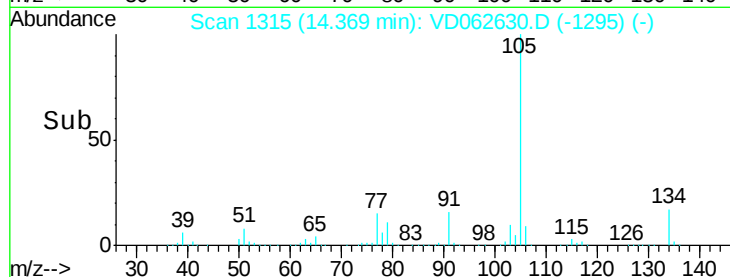
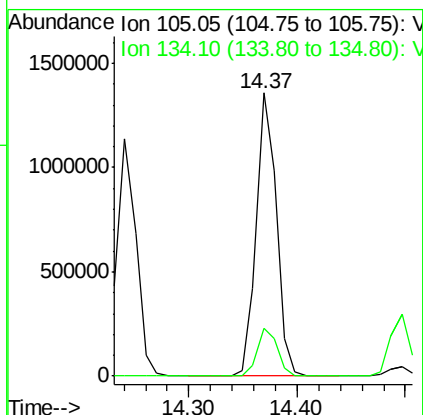
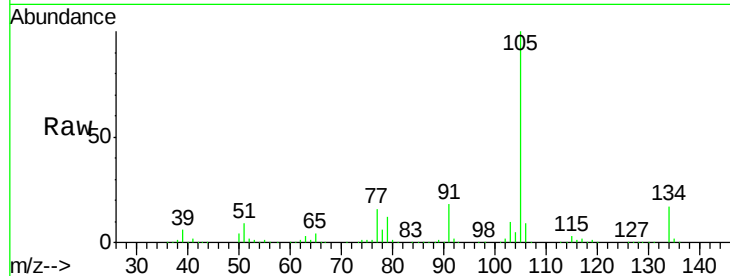




#85
 sec-Butylbenzene
 Concen: 59.440 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

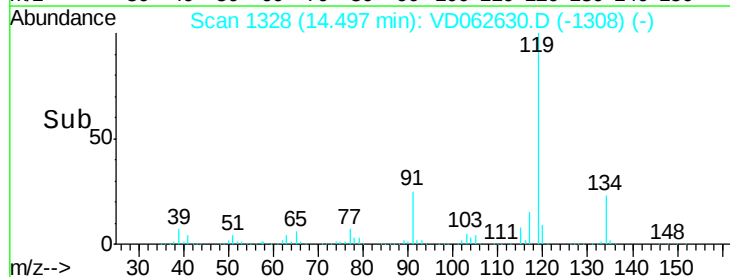
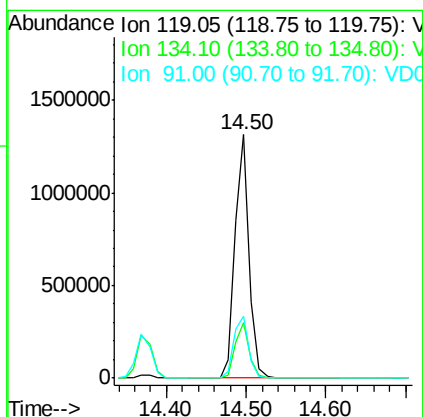
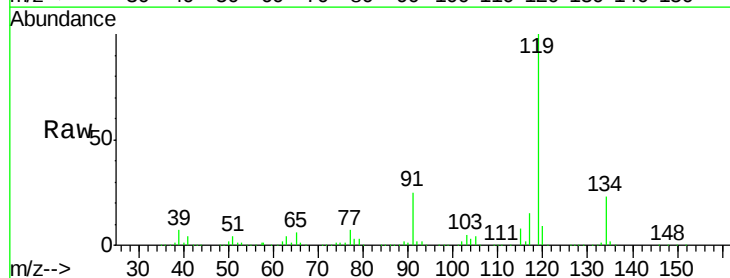
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

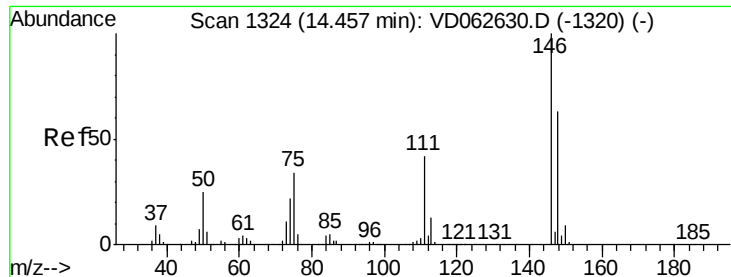
Tot Ion:105 Resp: 1773806
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.5 25.5



#86
 p-Isopropyltoluene
 Concen: 56.992 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion:119 Resp: 1633391
 Ion Ratio Lower Upper
 119 100
 134 22.5 11.3 33.8
 91 25.5 12.8 38.3





#87

1,3-Dichlorobenzene

Concen: 58.006 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

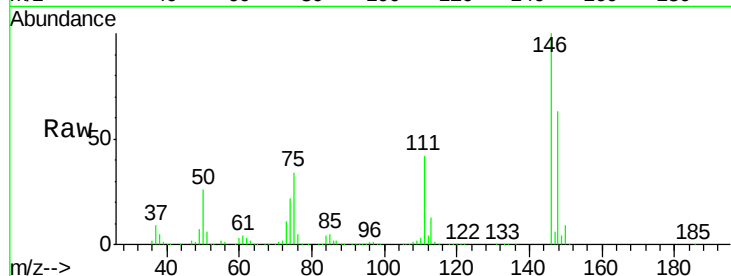
Tot Ion:146 Resp: 833720

Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.5

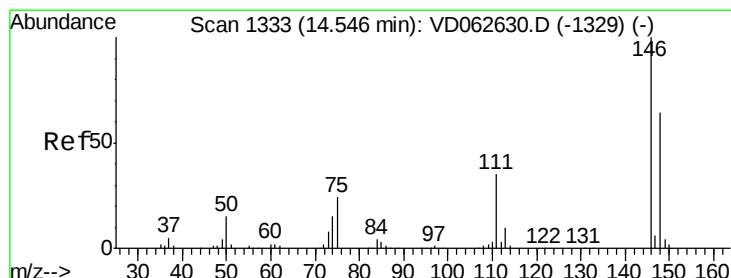
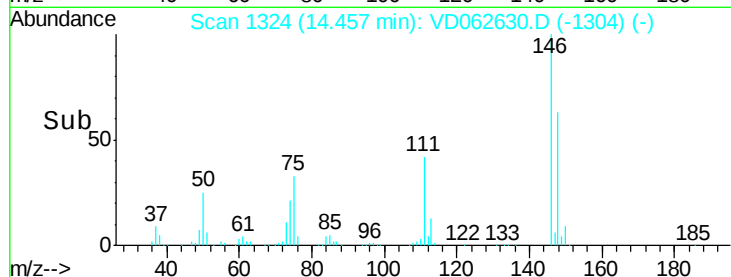
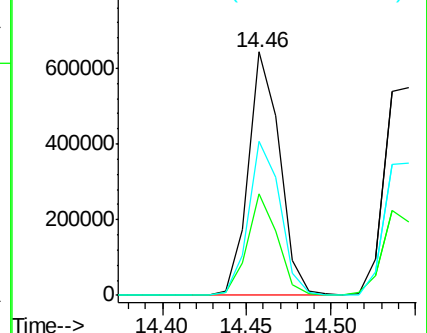
148 63.4 31.7 95.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 55.826 ug/l

RT: 14.55 min Scan# 1333

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

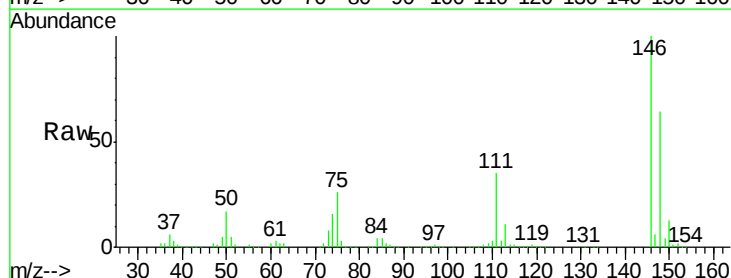
Tgt Ion:146 Resp: 802731

Ion Ratio Lower Upper

146 100

111 35.1 17.5 52.6

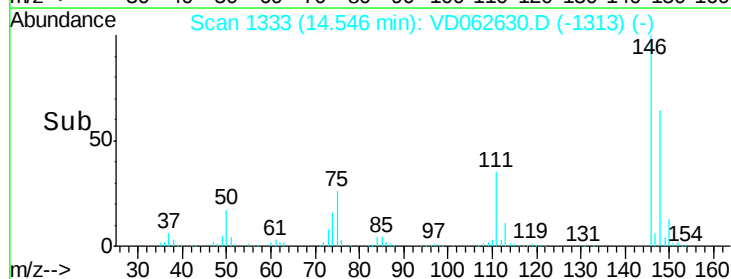
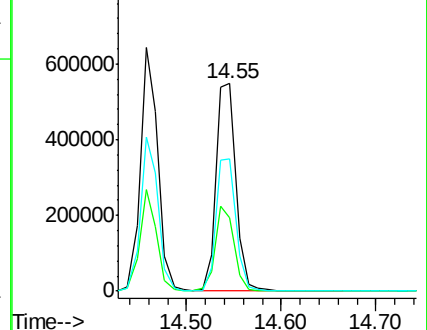
148 63.8 31.9 95.7

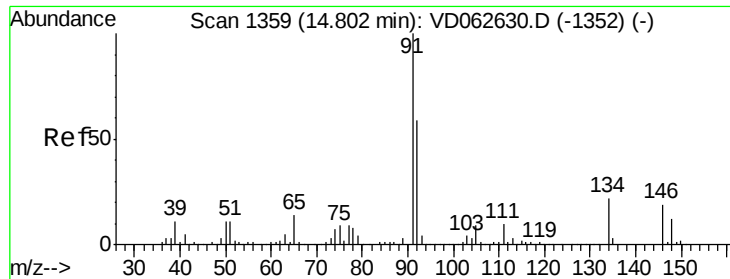


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

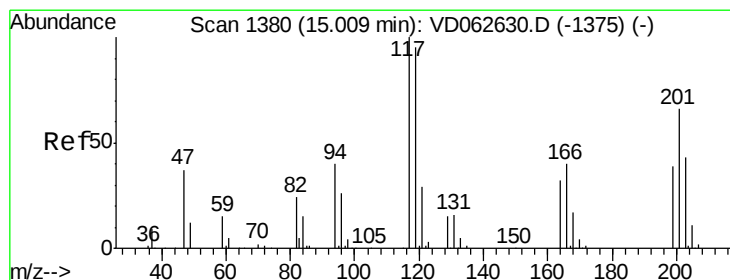
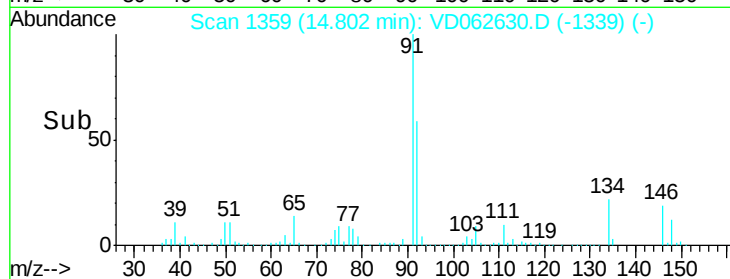
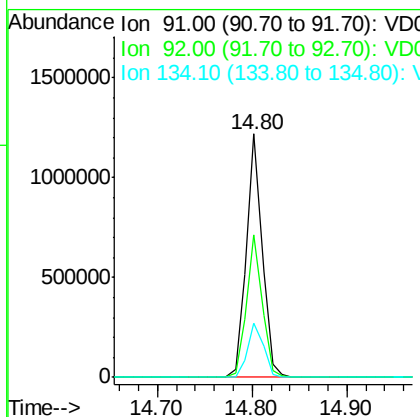
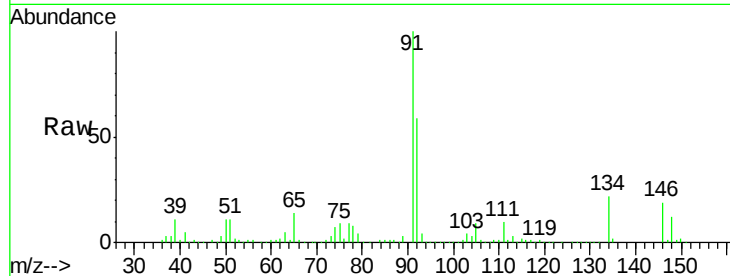




#89
n-Butylbenzene
Concen: 53.842 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

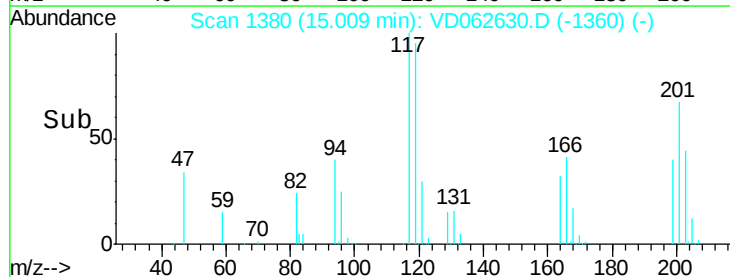
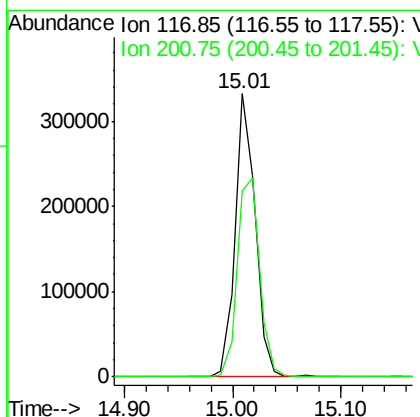
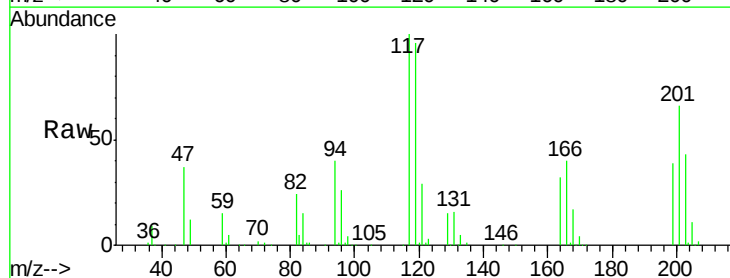
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

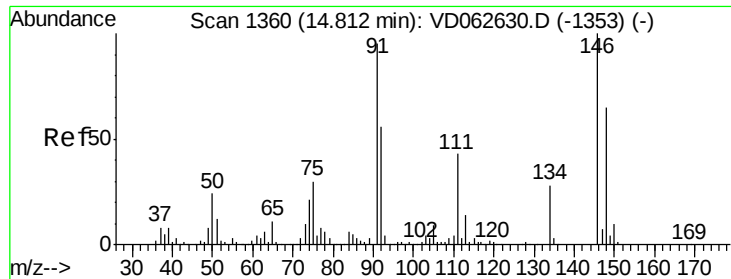
Tot Ion: 91 Resp: 1409774
Ion Ratio Lower Upper
91 100
92 58.5 29.3 87.8
134 22.5 11.3 33.8



#90
Hexachloroethane
Concen: 57.708 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062630.D
Acq: 6 Jun 2019 17:47

Tgt Ion: 117 Resp: 431894
Ion Ratio Lower Upper
117 100
201 65.6 32.8 98.4

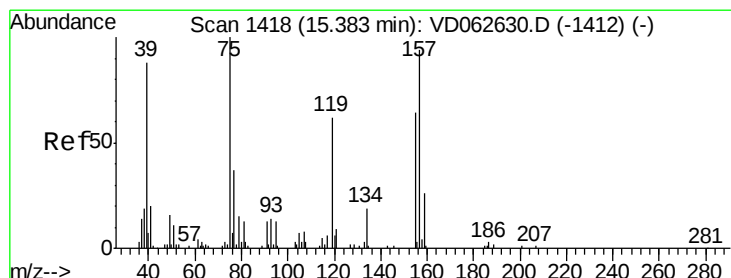
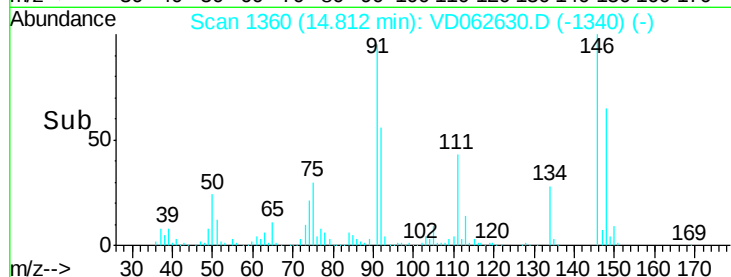
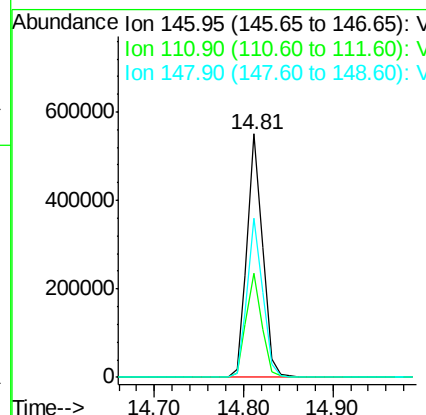
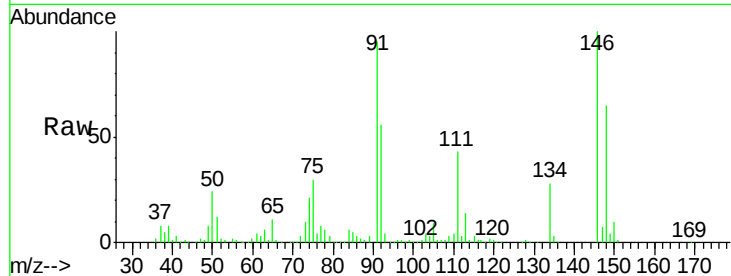




#91
 1,2-Dichlorobenzene
 Concen: 52.794 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

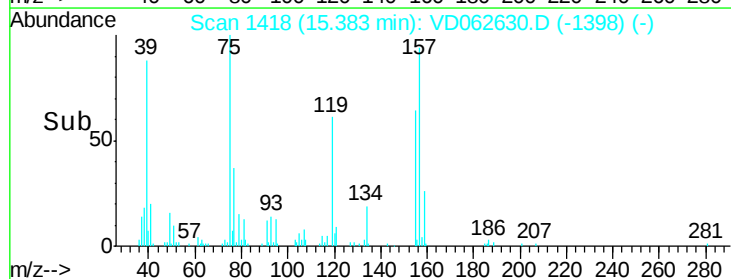
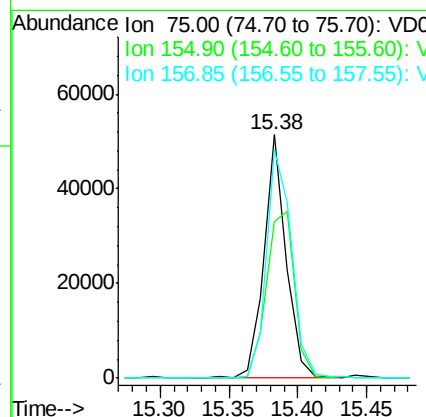
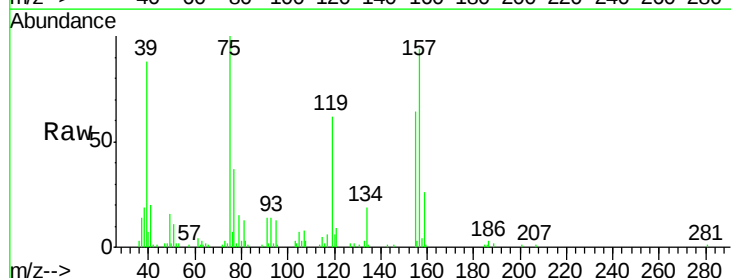
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

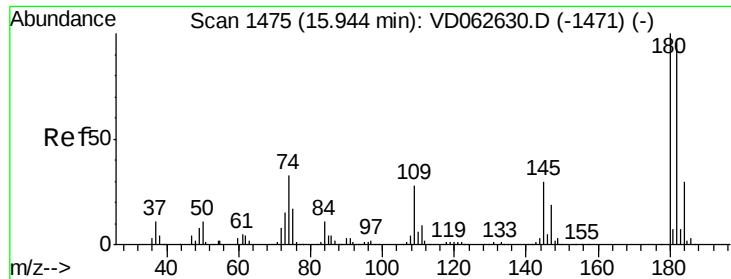
Tot Ion:146 Resp: 681172
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.4 64.3
 148 65.3 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.799 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion: 75 Resp: 57565
 Ion Ratio Lower Upper
 75 100
 155 64.4 32.2 96.6
 157 94.0 47.0 141.0

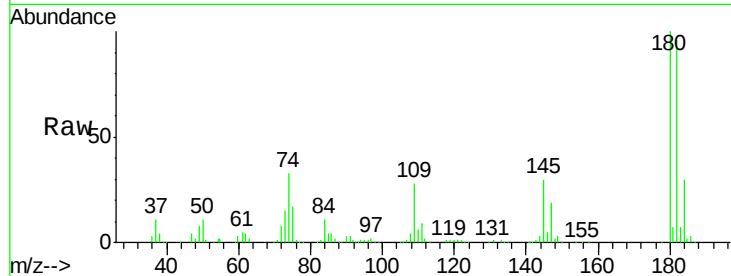




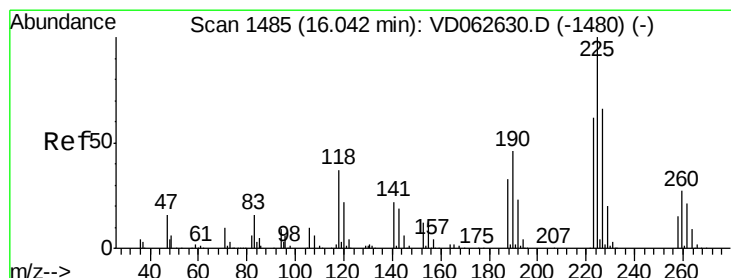
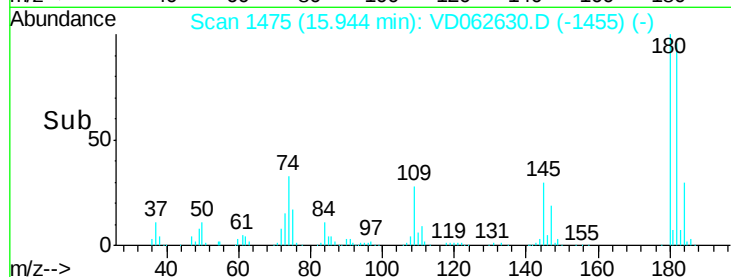
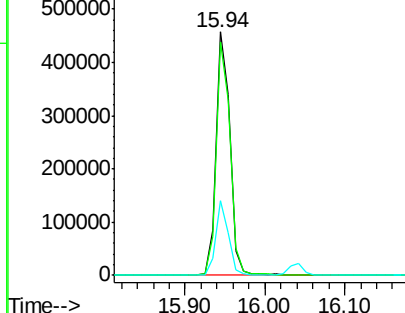
#93
 1,2,4-Trichlorobenzene
 Concen: 59.482 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 566350
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.0 144.2
 145 30.4 15.2 45.6

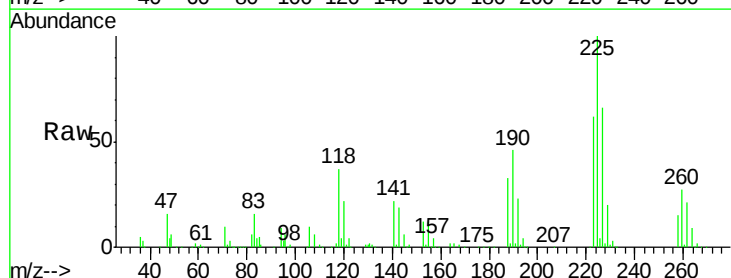


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

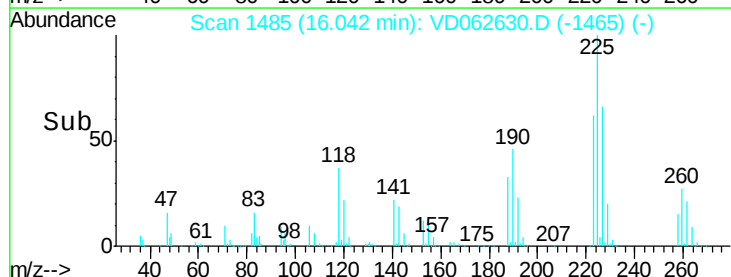
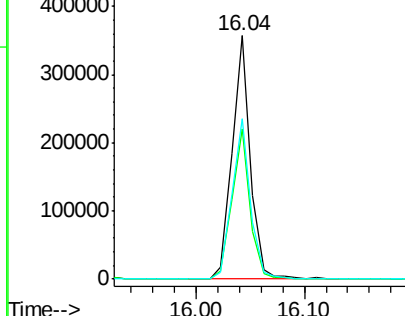


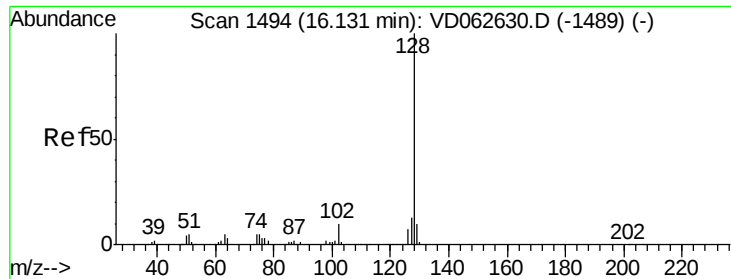
#94
 Hexachlorobutadiene
 Concen: 58.833 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062630.D
 Acq: 6 Jun 2019 17:47

Tgt Ion:225 Resp: 419928
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.9 92.7
 227 65.8 32.9 98.7



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: 55.965 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

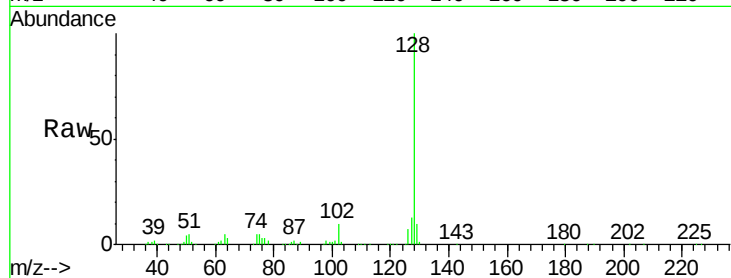
Tot Ion:128 Resp: 756016

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

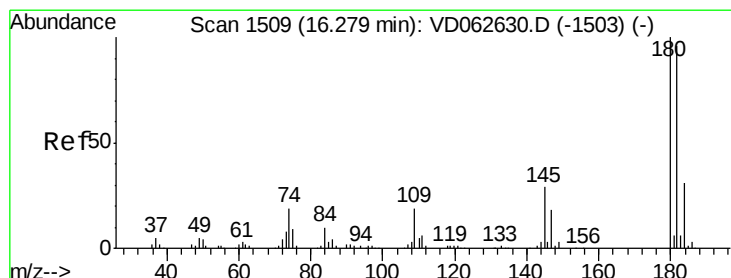
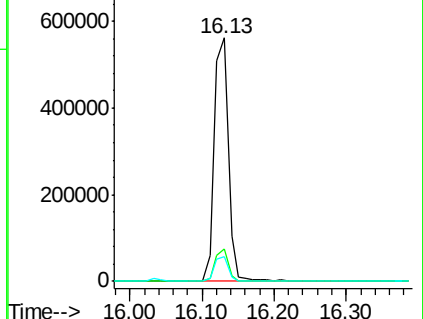
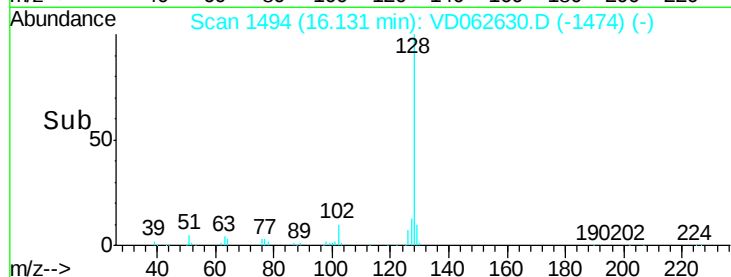
129 10.4 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 56.844 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VD062630.D

Acq: 6 Jun 2019 17:47

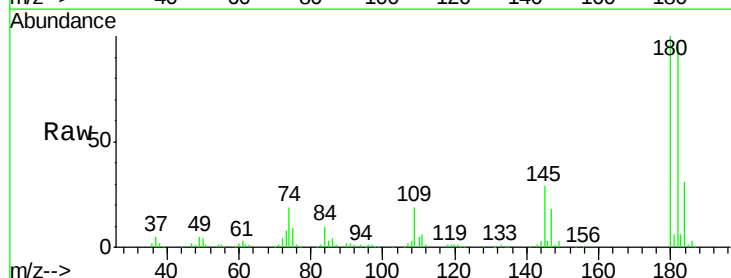
Tgt Ion:180 Resp: 408767

Ion Ratio Lower Upper

180 100

182 96.1 48.0 144.2

145 28.8 14.4 43.2



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

