

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
 Data File : VD062686.D
 Acq On : 13 Jun 2019 11:16
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 14 06:43:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	788280	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1045269	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	894451	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	464210	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	559888	49.22	ug/l	0.02
Spiked Amount 50.000			Recovery =	98.44%		
35) Dibromofluoromethane	6.94	113	552091	50.08	ug/l	0.02
Spiked Amount 50.000			Recovery =	100.16%		
50) Toluene-d8	10.43	98	1167457	50.34	ug/l	0.01
Spiked Amount 50.000			Recovery =	100.68%		
62) 4-Bromofluorobenzene	13.57	95	561615	51.91	ug/l	0.01
Spiked Amount 50.000			Recovery =	103.82%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	391687	42.346	ug/l	94
3) Chloromethane	1.75	50	341172	43.742	ug/l	97
4) Vinyl Chloride	1.85	62	361859	44.991	ug/l	96
5) Bromomethane	2.17	94	203328	50.083	ug/l	96
6) Chloroethane	2.27	64	183935	46.321	ug/l #	88
7) Trichlorofluoromethane	2.54	101	792912	44.045	ug/l	100
8) Diethyl Ether	2.88	74	107487	43.900	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	440512	45.373	ug/l	93
10) Methyl Iodide	3.32	142	568627	41.121	ug/l	97
11) Tert butyl alcohol	4.10	59	115194	246.372	ug/l #	81
12) 1,1-Dichloroethene	3.14	96	330850	47.486	ug/l	97
13) Acrolein	3.04	56	33998	226.050	ug/l	98
14) Allyl chloride	3.63	41	522192	48.744	ug/l	93
15) Acrylonitrile	4.21	53	256056	240.995	ug/l	98
16) Acetone	3.23	43	538277	258.425	ug/l	100
17) Carbon Disulfide	3.39	76	933255	45.455	ug/l	100
18) Methyl Acetate	3.65	43	147582	43.114	ug/l #	87
19) Methyl tert-butyl Ether	4.25	73	793233	46.681	ug/l	99
20) Methylene Chloride	3.83	84	323791	41.065	ug/l	92
21) trans-1,2-Dichloroethene	4.23	96	350448	45.855	ug/l	97
22) Diisopropyl ether	5.14	45	1054525	47.407	ug/l	98
23) Vinyl Acetate	5.07	43	3487558	252.723	ug/l	97
24) 1,1-Dichloroethane	5.00	63	699545	48.885	ug/l	97
25) 2-Butanone	6.09	43	483967	238.166	ug/l	100
26) 2,2-Dichloropropane	6.04	77	806995	48.931	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	385773	46.562	ug/l	99
28) Bromochloromethane	6.45	49	290680	53.139	ug/l	91
29) Tetrahydrofuran	6.48	42	216548	236.639	ug/l	99
30) Chloroform	6.67	83	892621	48.617	ug/l	94
31) Cyclohexane	6.97	56	416721	46.423	ug/l	93
32) 1,1,1-Trichloroethane	6.88	97	886208	48.508	ug/l	99
36) 1,1-Dichloropropene	7.16	75	592646	49.540	ug/l	99
37) Ethyl Acetate	6.20	43	224478	44.152	ug/l #	91
38) Carbon Tetrachloride	7.13	117	989509	52.331	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	452246	46.781	ug/l	97
40) Benzene	7.47	78	1129495	48.346	ug/l	98
41) Methacrylonitrile	6.47	41	308615	49.281	ug/l	100
42) 1,2-Dichloroethane	7.59	62	680588	48.875	ug/l	97
43) Isopropyl Acetate	9.25	43	322012	51.014	ug/l #	91
44) Trichloroethene	8.56	130	468593	49.405	ug/l	94
45) 1,2-Dichloropropane	8.95	63	270233	48.155	ug/l	94
46) Dibromomethane	9.08	93	250563	50.302	ug/l	91
47) Bromodichloromethane	9.39	83	679841	50.172	ug/l	97
48) Methyl methacrylate	9.14	41	221758	48.628	ug/l	92
49) 1,4-Dioxane	9.10	88	36216	893.391	ug/l #	86
51) 4-Methyl-2-Pentanone	10.32	43	1057152	239.348	ug/l	100
52) Toluene	10.52	92	774230	49.301	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	561194	50.514	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	602977	52.514	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	266037	49.398	ug/l	96
56) Ethyl methacrylate	11.06	69	284047	44.264	ug/l	97
57) 1,3-Dichloropropane	11.42	76	436004	52.233	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	680414	236.382	ug/l	95
59) 2-Hexanone	11.55	43	872512	265.566	ug/l	100
60) Dibromochloromethane	11.70	129	506339	47.627	ug/l	98
61) 1,2-Dibromoethane	11.81	107	317007	49.182	ug/l	99
64) Tetrachloroethene	11.27	164	383957	45.856	ug/l	98
65) Chlorobenzene	12.40	112	959451	48.494	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	453716	48.083	ug/l	97
67) Ethyl Benzene	12.53	91	1672253	47.671	ug/l	100
68) m/p-Xylenes	12.68	106	1195381	96.932	ug/l	98
69) o-Xylene	13.05	106	575413	50.805	ug/l	99
70) Styrene	13.08	104	998747	49.422	ug/l	96
71) Bromoform	13.24	173	319203	44.431	ug/l #	98
73) Isopropylbenzene	13.41	105	1711139	52.297	ug/l	97
74) N-amyl acetate	13.27	43	435216	49.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	295287	52.743	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	337405	53.605	ug/l	97
77) Bromobenzene	13.67	156	470652	50.327	ug/l	87
78) n-propylbenzene	13.78	91	1940703	48.456	ug/l	100
79) 2-Chlorotoluene	13.85	91	1127432	48.077	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	1492340	51.607	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	84863	45.817	ug/l	99
82) 4-Chlorotoluene	13.95	91	1450947	51.738	ug/l	93
83) tert-Butylbenzene	14.20	119	1624944	50.948	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	1437452	50.205	ug/l	100
85) sec-Butylbenzene	14.37	105	1524462	45.582	ug/l	96
86) p-Isopropyltoluene	14.50	119	1580031	48.523	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	844752	49.862	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	782588	48.878	ug/l	98
89) n-Butylbenzene	14.81	91	1463265	49.950	ug/l	97
90) Hexachloroethane	15.01	117	410810	47.788	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	689940	48.991	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	63886	53.422	ug/l #	57

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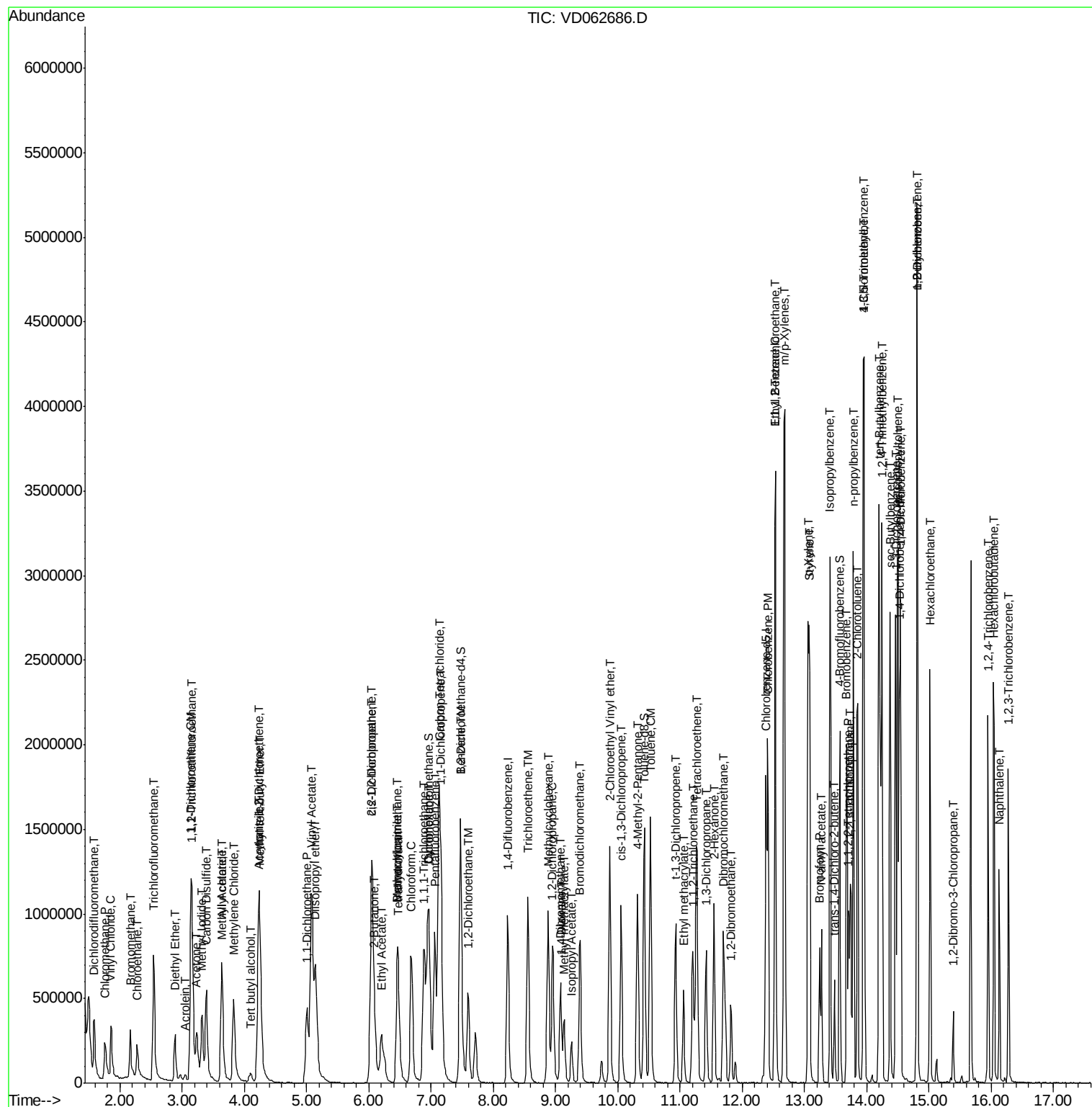
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	498771	42.338	ug/l	96
94) Hexachlorobutadiene	16.05	225	417094	50.163	ug/l	98
95) Naphthalene	16.13	128	715330	42.988	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	425953	52.511	ug/l	98

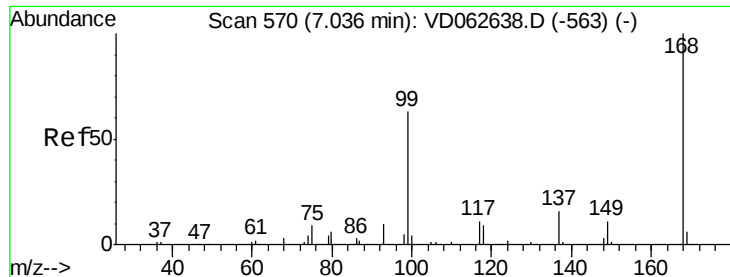
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

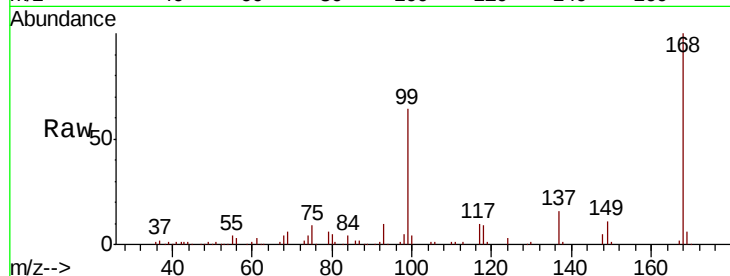
ClientSampleId :

Tot Ion:168 Resp: 788280

Ion Ratio Lower Upper

168 100

99 63.5 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

250000

200000

150000

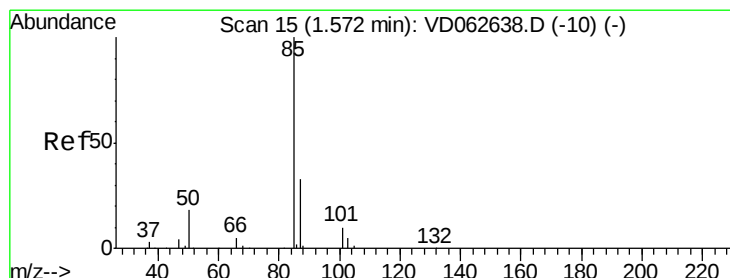
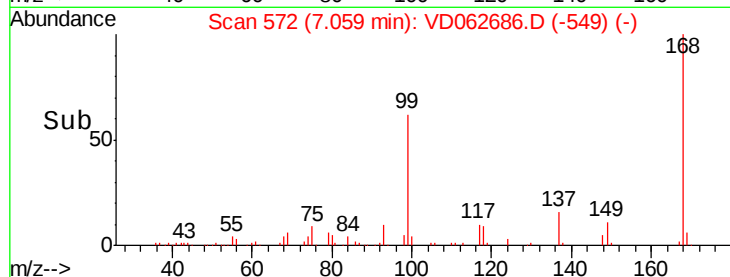
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 42.346 ug/l

RT: 1.59 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062686.D

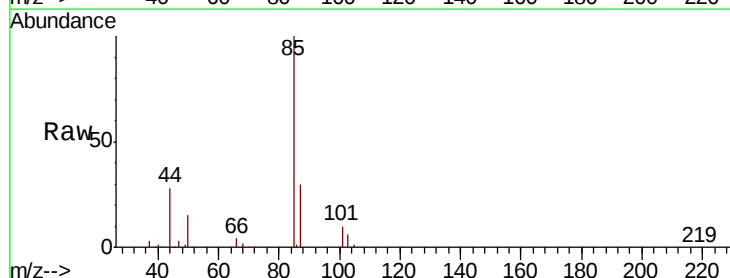
Acq: 13 Jun 2019 11:16

Tgt Ion: 85 Resp: 391687

Ion Ratio Lower Upper

85 100

87 30.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

200000

150000

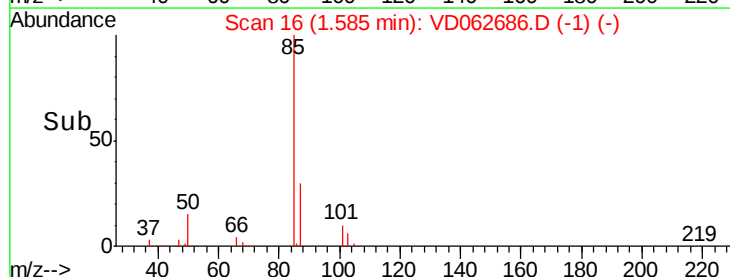
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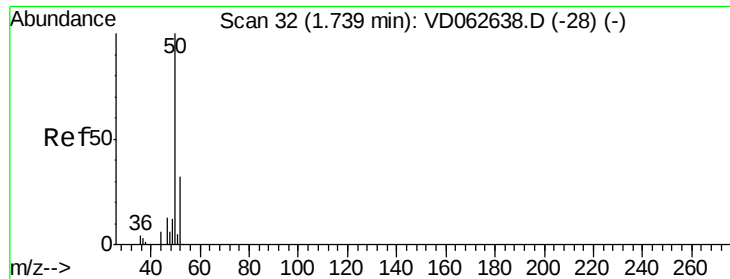
50000

0

Time-->

1.50 1.60 1.70





#3

Chloromethane

Concen: 43.742 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

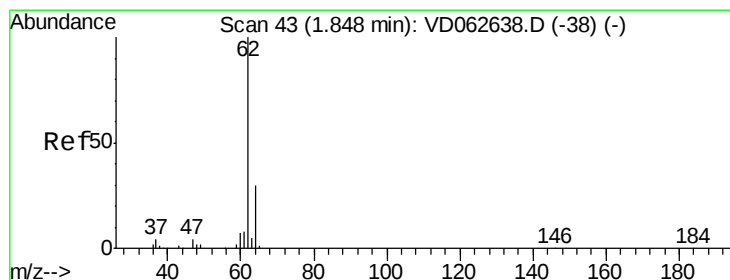
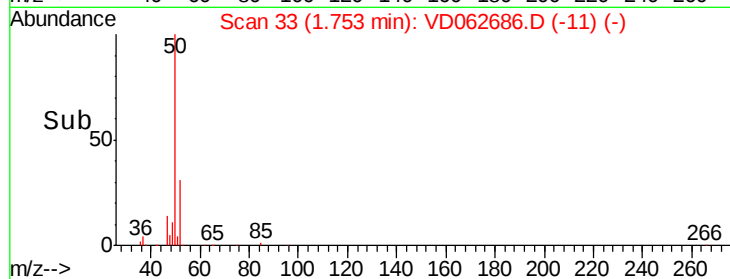
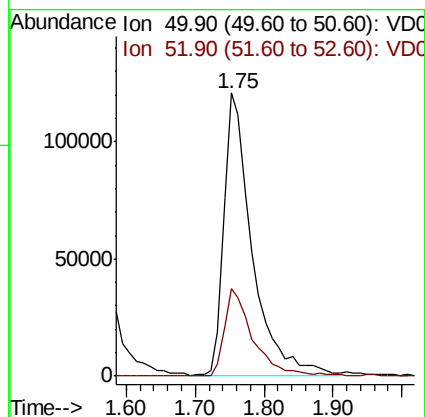
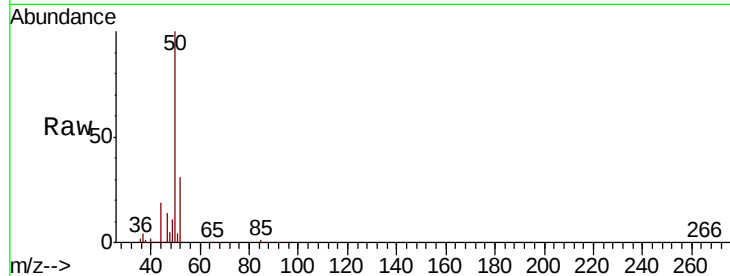
ClientSampleId :

Tot Ion: 50 Resp: 341172

Ion Ratio Lower Upper

50 100

52 30.9 25.8 38.8



#4

Vinyl Chloride

Concen: 44.991 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD062686.D

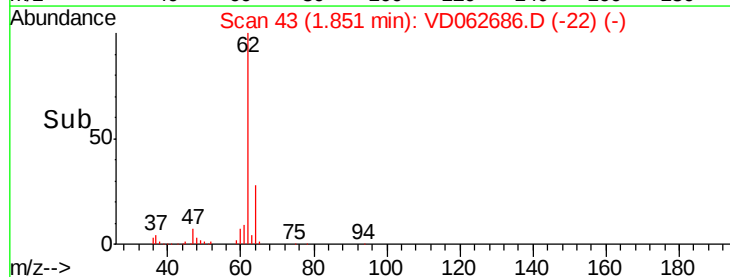
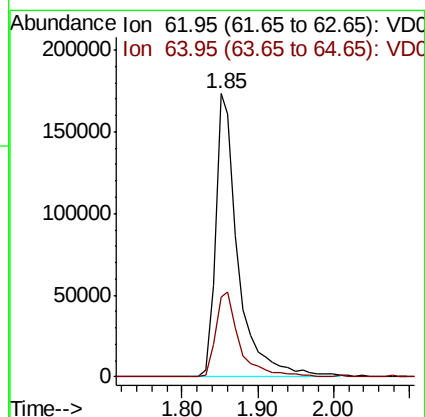
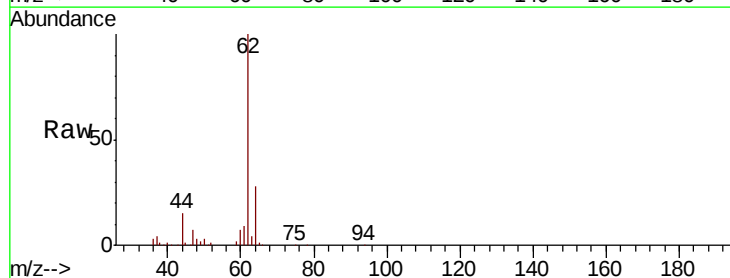
Acq: 13 Jun 2019 11:16

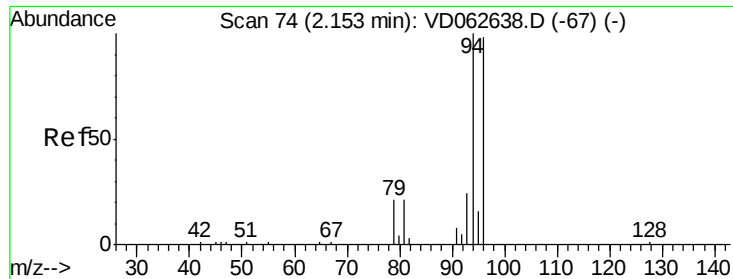
Tgt Ion: 62 Resp: 361859

Ion Ratio Lower Upper

62 100

64 28.0 24.2 36.4





#5

Bromomethane

Concen: 50.083 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

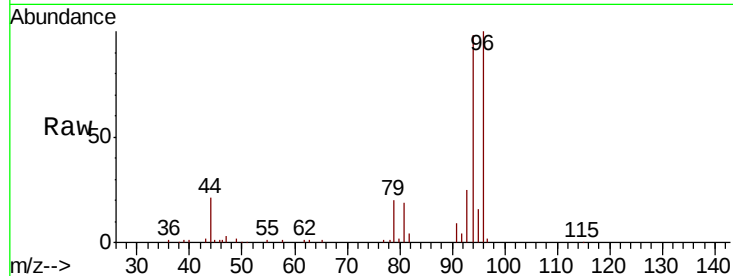
Tot Ion: 94 Resp: 203328

Ion Ratio Lower Upper

94 100

96 102.1 78.1 117.1

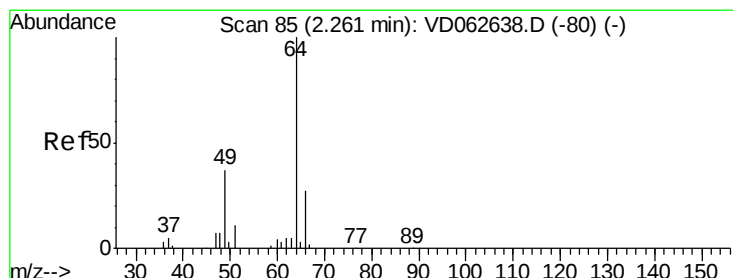
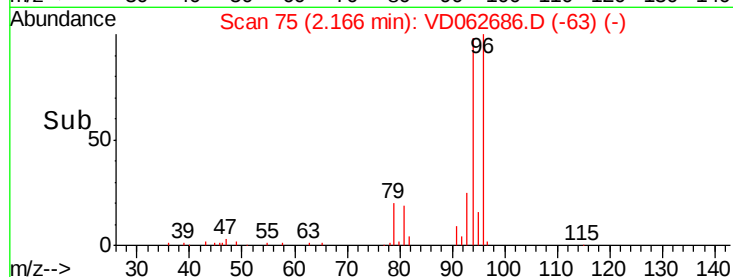
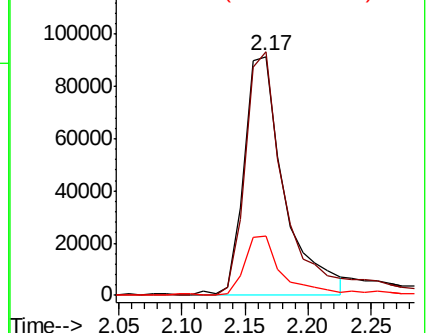
93 25.1 19.6 29.4



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 46.321 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062686.D

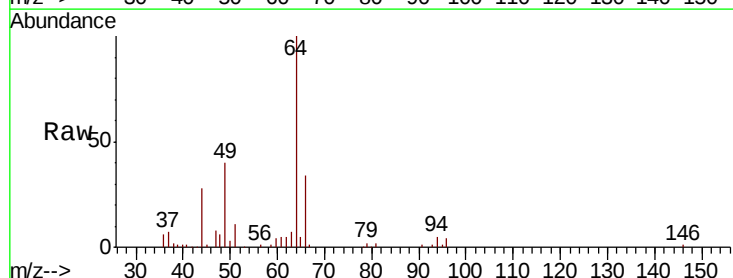
Acq: 13 Jun 2019 11:16

Tgt Ion: 64 Resp: 183935

Ion Ratio Lower Upper

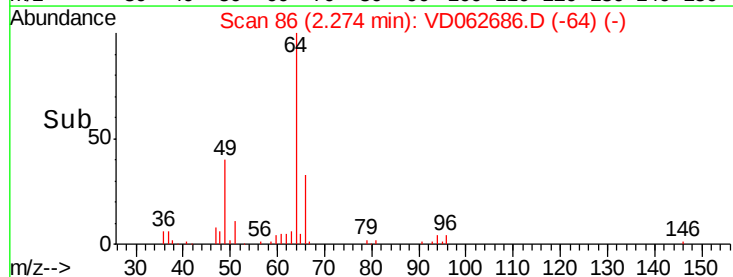
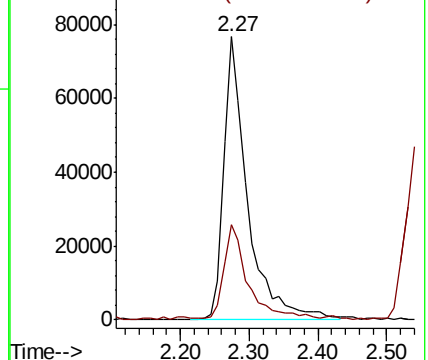
64 100

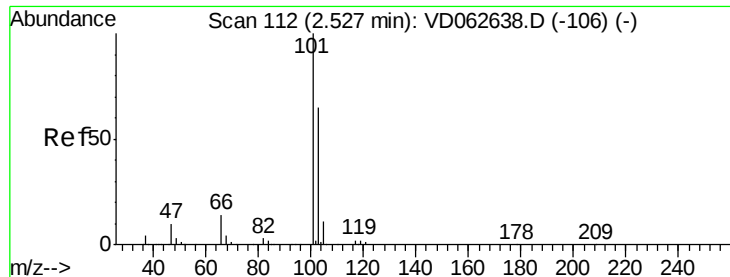
66 33.6 21.9 32.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



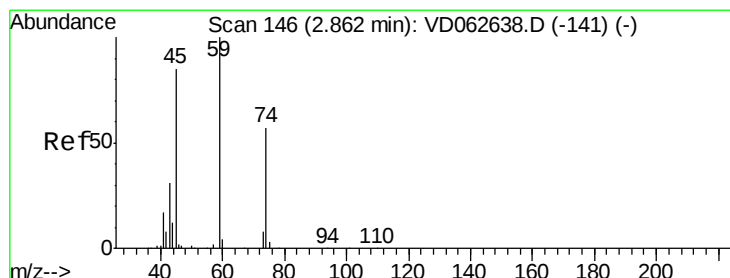
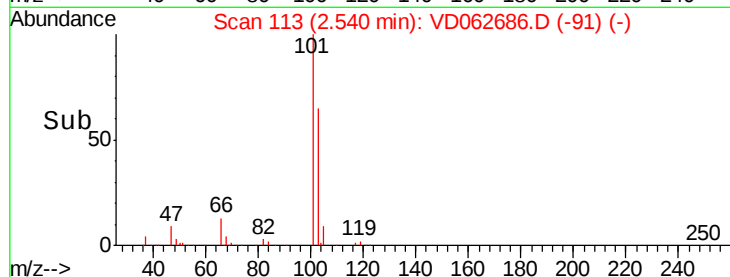
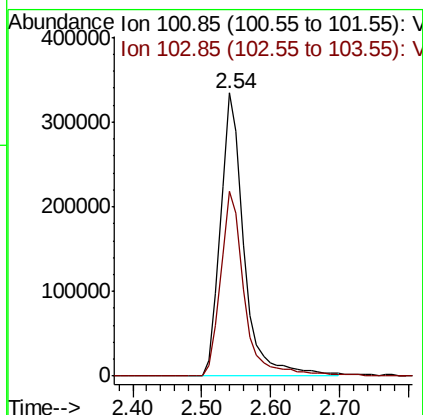
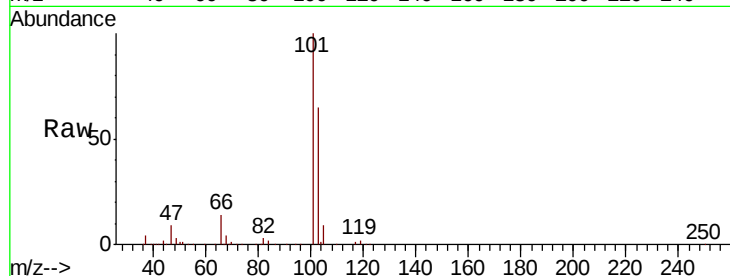


#7

Trichlorofluoromethane
Concen: 44.045 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Instrument :
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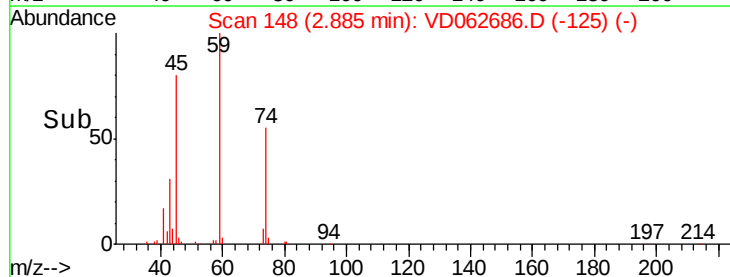
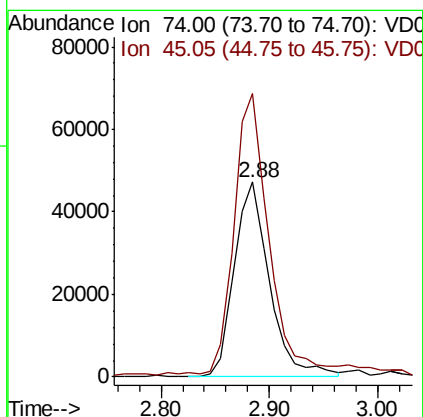
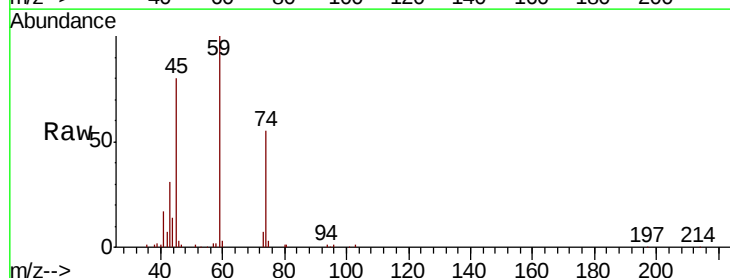
Tot Ion:101 Resp: 792912
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.2

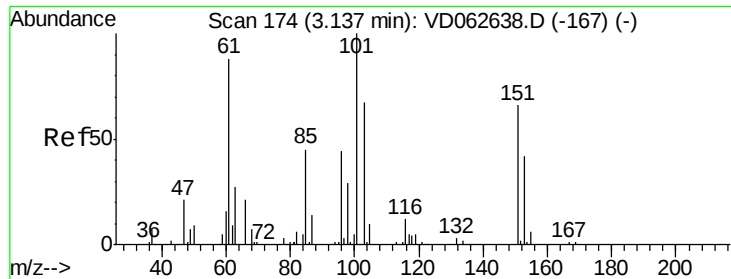


#8

Diethyl Ether
Concen: 43.900 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 74 Resp: 107487
Ion Ratio Lower Upper
74 100
45 145.2 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.373 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

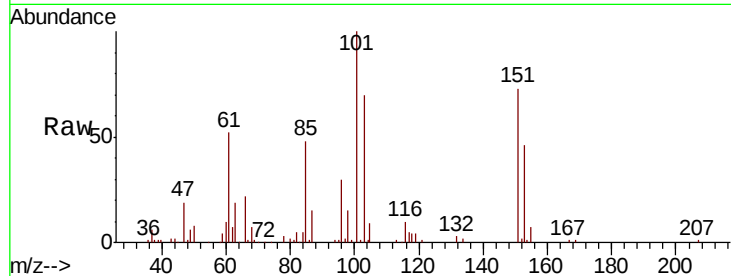
Tot Ion:101 Resp: 440512

Ion Ratio Lower Upper

101 100

85 47.6 36.0 54.0

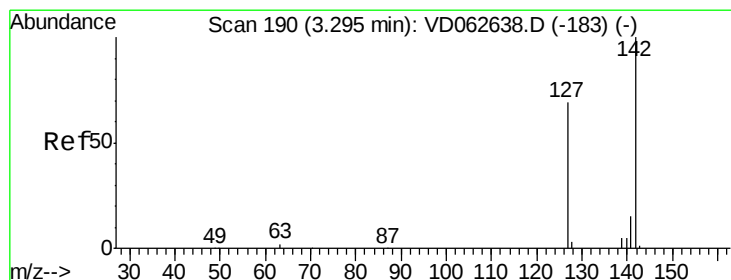
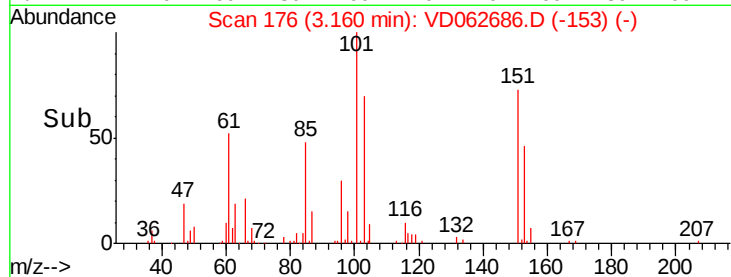
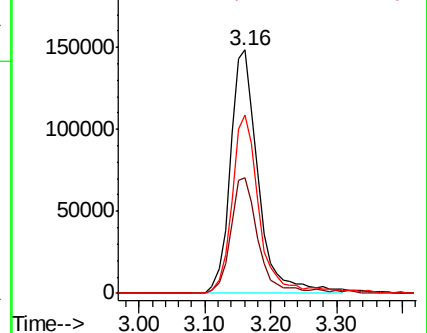
151 73.4 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 41.121 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

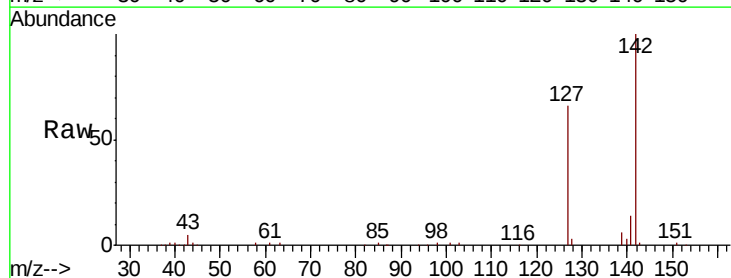
Tgt Ion:142 Resp: 568627

Ion Ratio Lower Upper

142 100

127 66.4 55.2 82.8

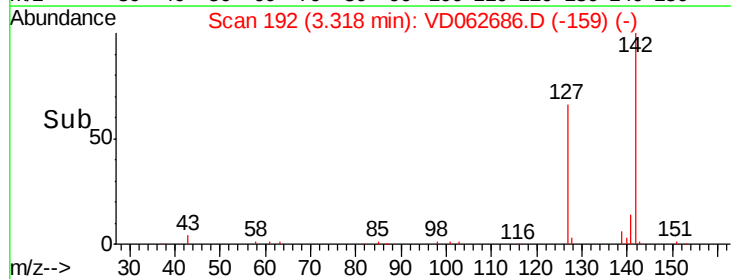
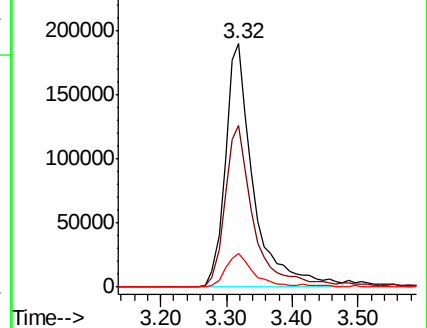
141 14.1 12.1 18.1

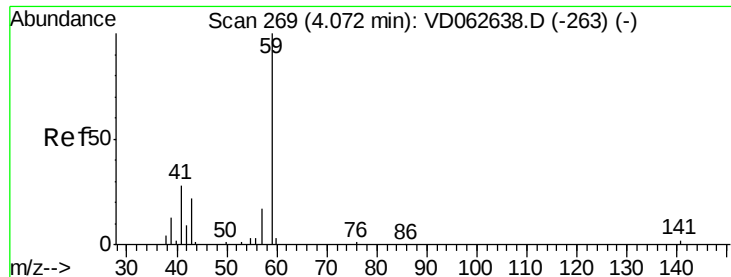


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



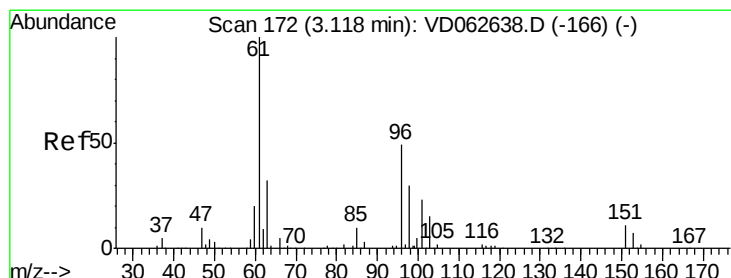
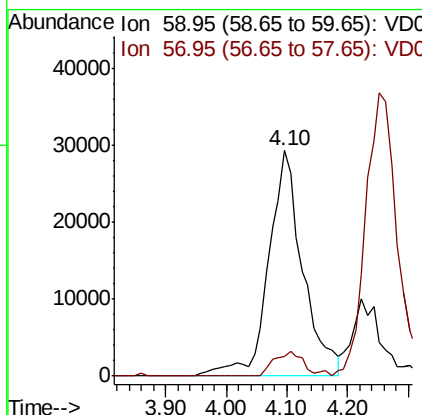
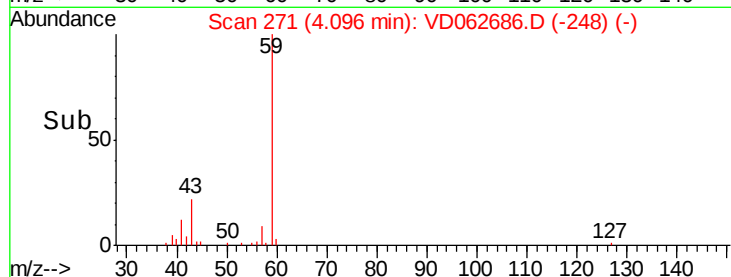
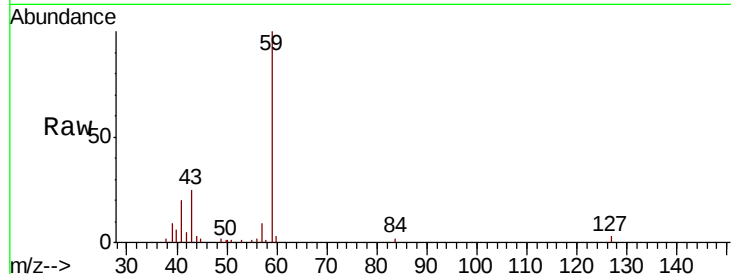


#11

Tert butyl alcohol
Concen: 246.372 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Instrument :
MSVOA_D
ClientSampled :

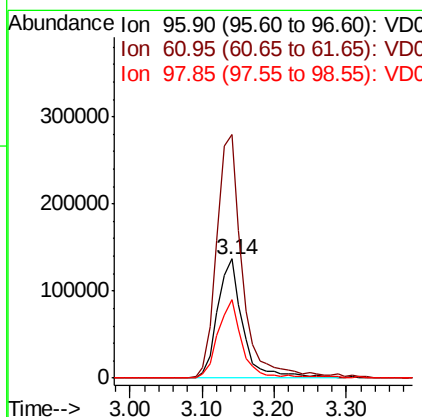
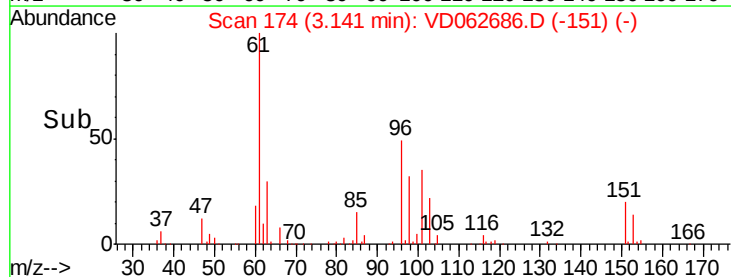
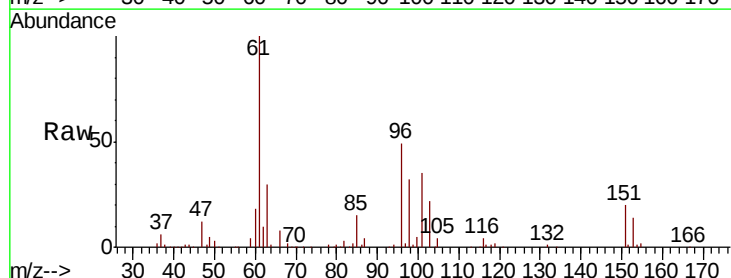
Tot Ion: 59 Resp: 115194
Ion Ratio Lower Upper
59 100
57 8.7 13.7 20.5#

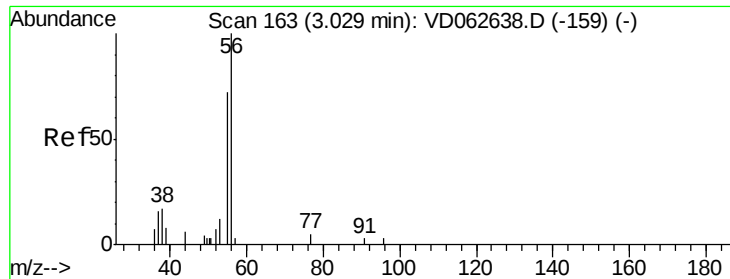


#12

1,1-Dichloroethene
Concen: 47.486 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 96 Resp: 330850
Ion Ratio Lower Upper
96 100
61 204.2 161.8 242.8
98 65.9 48.2 72.4





#13

Acrolein

Concen: 226.050 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

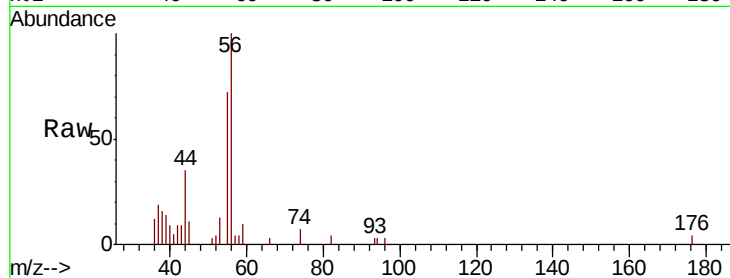
ClientSampleId :

Tot Ion: 56 Resp: 33998

Ion Ratio Lower Upper

56 100

55 72.4 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

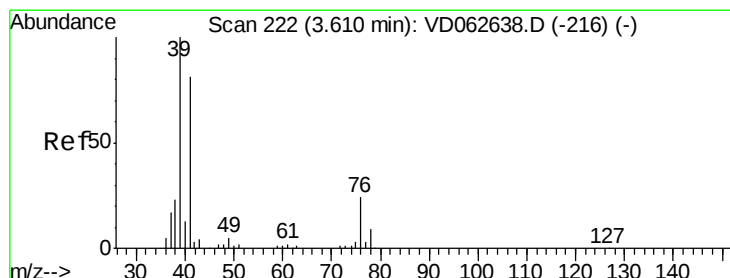
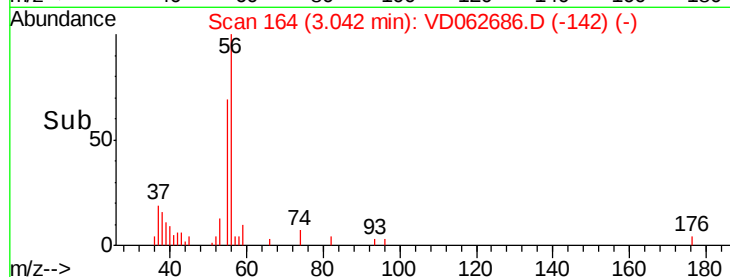
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 48.744 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

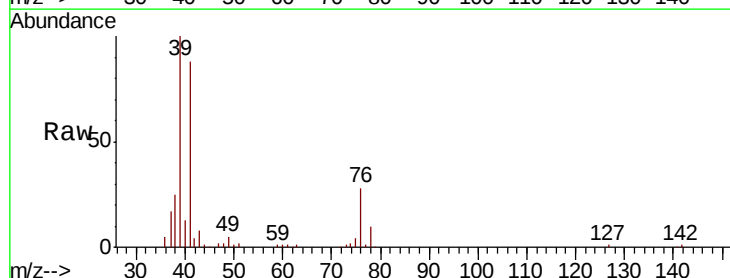
Tgt Ion: 41 Resp: 522192

Ion Ratio Lower Upper

41 100

39 113.9 99.1 148.7

76 31.8 25.0 37.6



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

300000

250000

200000

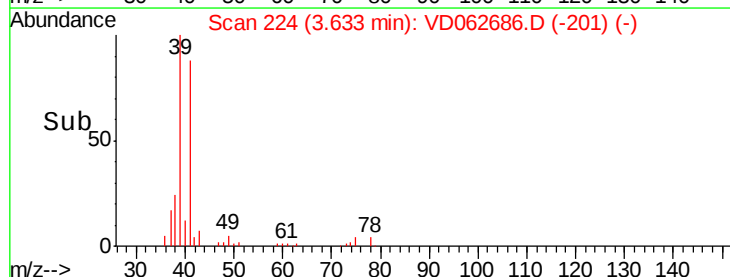
150000

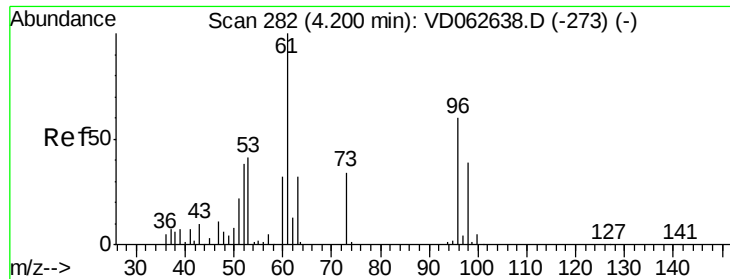
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 240.995 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :

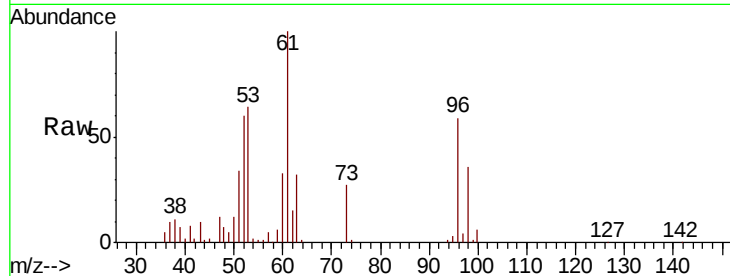
Tot Ion: 53 Resp: 256056

Ion Ratio Lower Upper

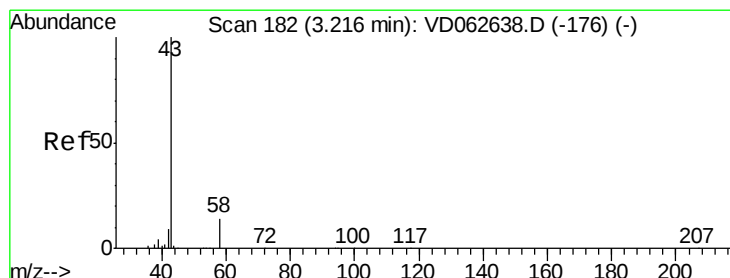
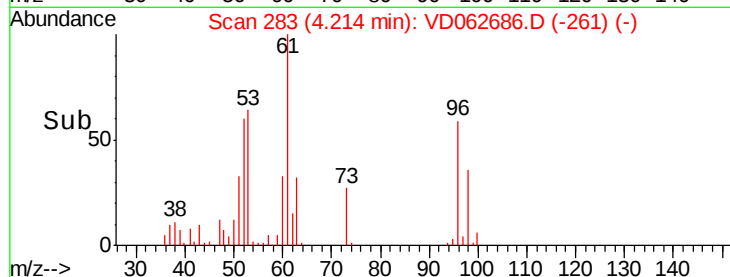
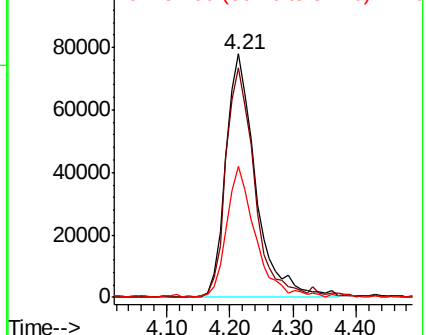
53 100

52 94.5 73.6 110.4

51 54.0 42.0 63.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 258.425 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD062686.D

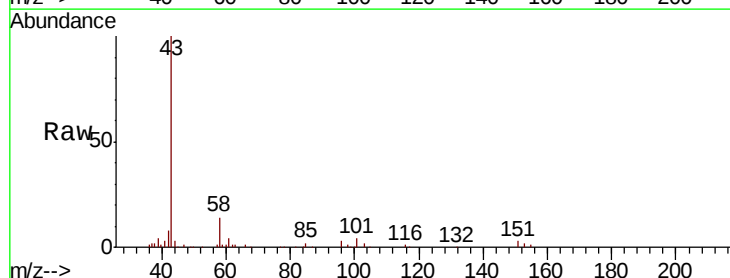
Acq: 13 Jun 2019 11:16

Tgt Ion: 43 Resp: 538277

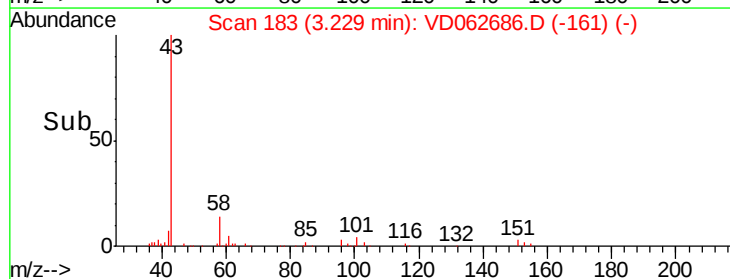
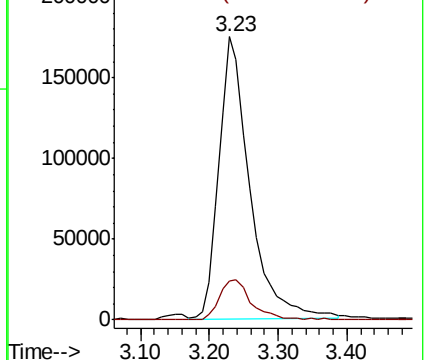
Ion Ratio Lower Upper

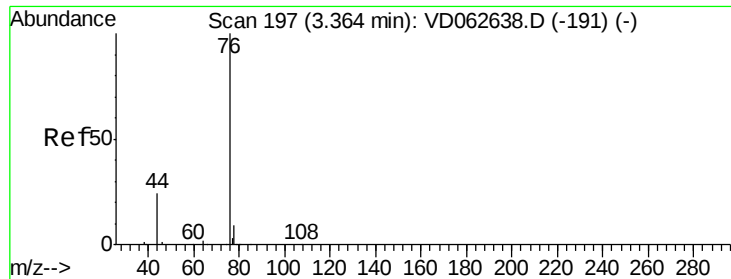
43 100

58 13.6 10.8 16.2



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

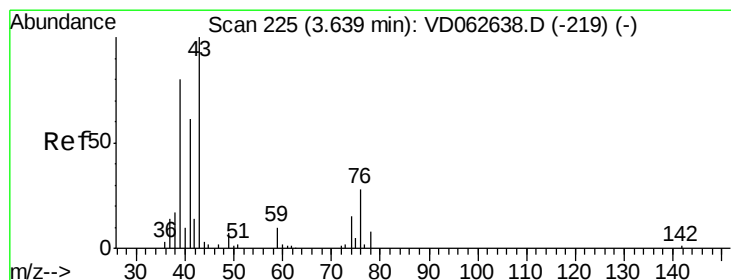
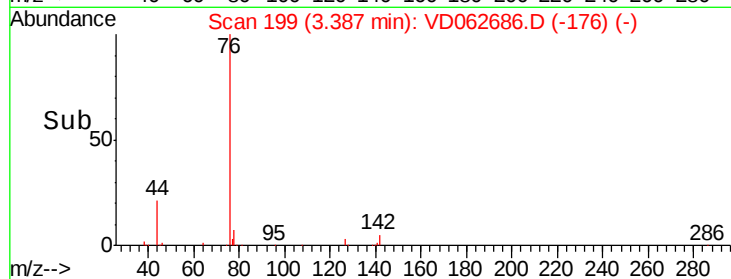
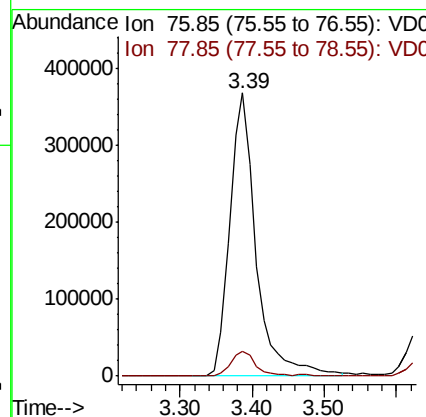
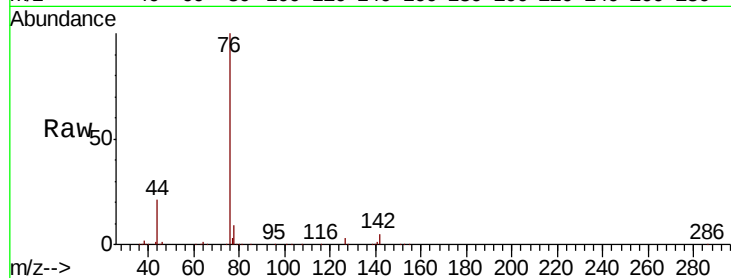




#17
Carbon Disulfide
Concen: 45.455 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

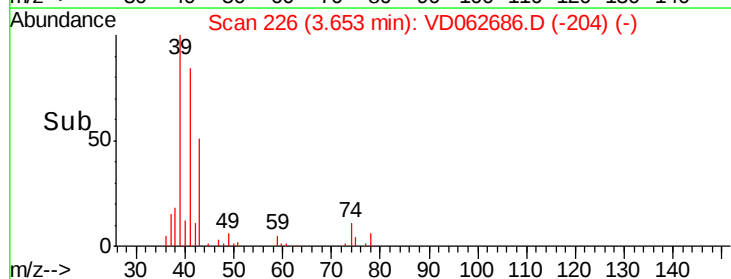
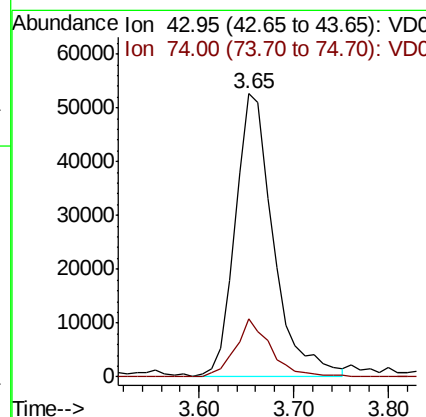
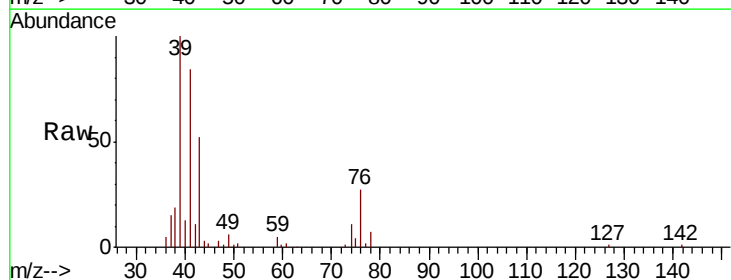
Instrument :
MSVOA_D
ClientSampleId :

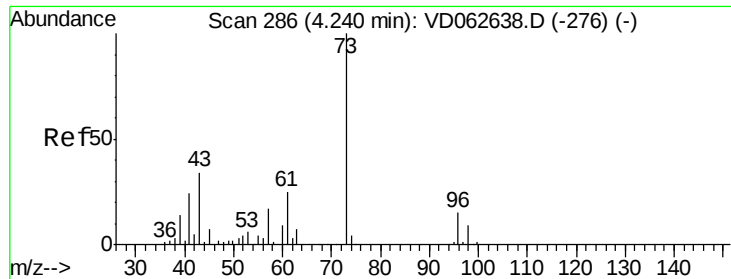
Tot Ion: 76 Resp: 933255
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.4



#18
Methyl Acetate
Concen: 43.114 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 43 Resp: 147582
Ion Ratio Lower Upper
43 100
74 20.4 12.1 18.1#

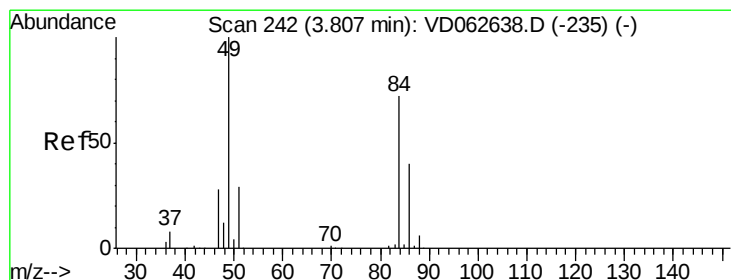
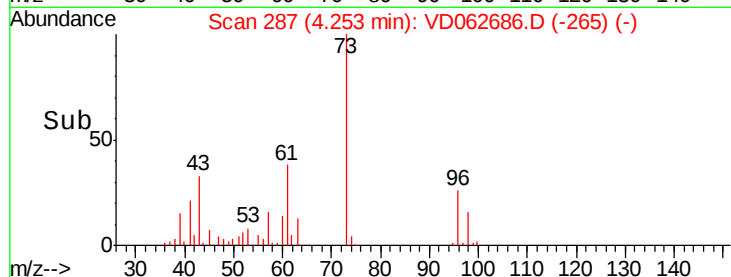
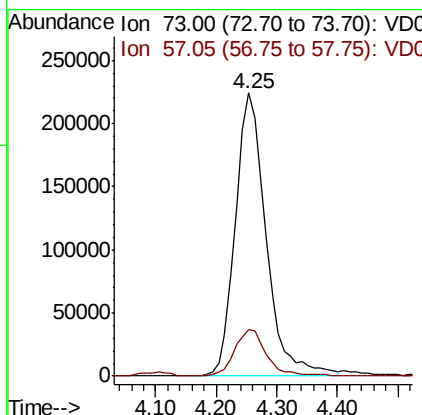
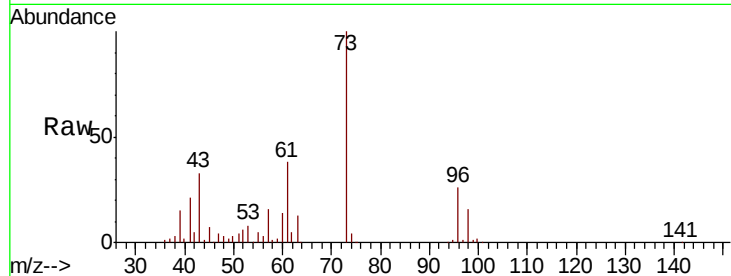




#19
Methyl tert-butyl Ether
Concen: 46.681 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

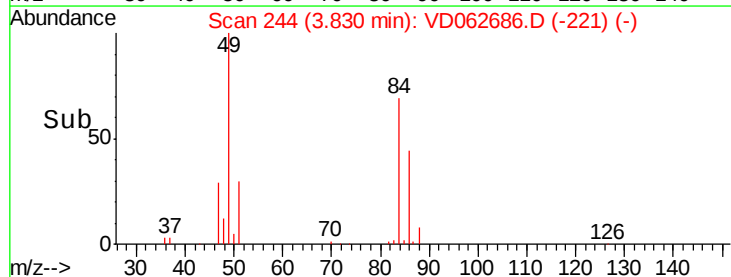
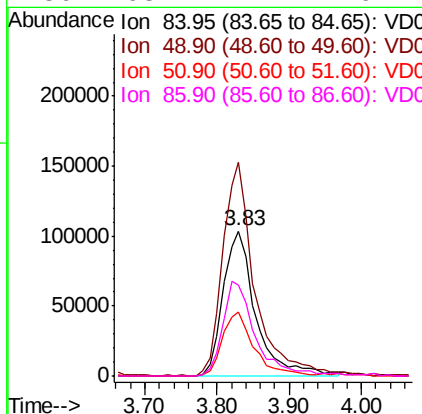
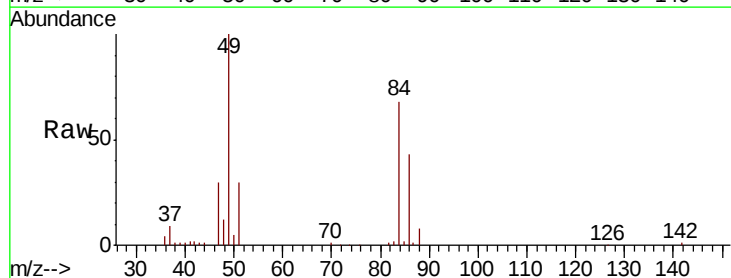
Instrument :
MSVOA_D
ClientSampleId :

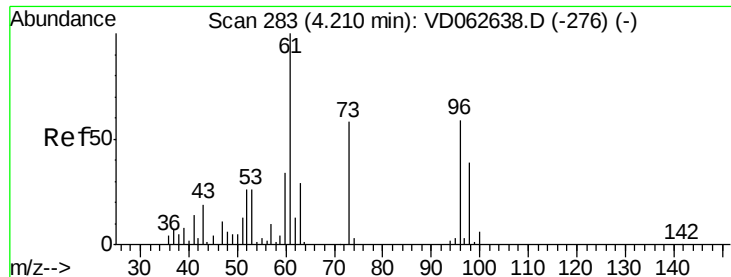
Tot Ion: 73 Resp: 793233
Ion Ratio Lower Upper
73 100
57 16.4 13.5 20.3



#20
Methylene Chloride
Concen: 41.065 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 84 Resp: 323791
Ion Ratio Lower Upper
84 100
49 147.4 111.2 166.8
51 43.9 31.9 47.9
86 63.2 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 45.855 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.02 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

ClientSampled :

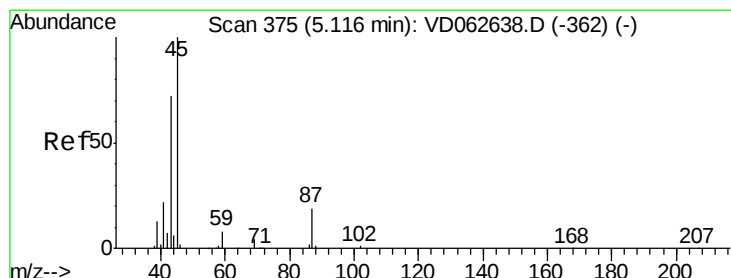
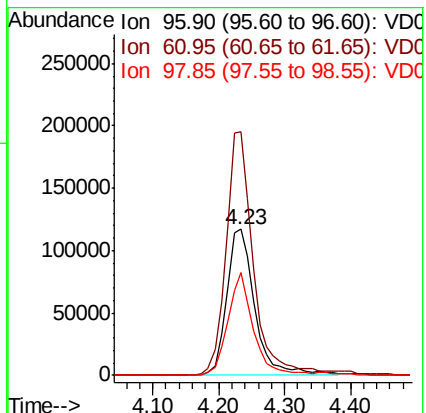
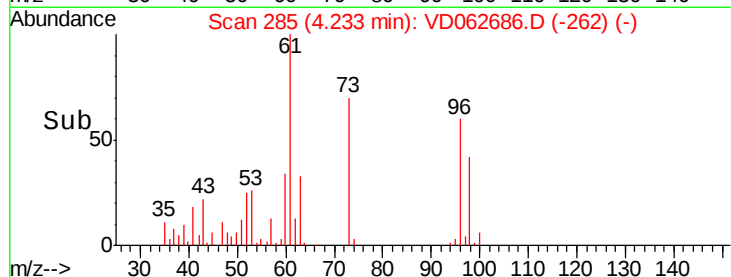
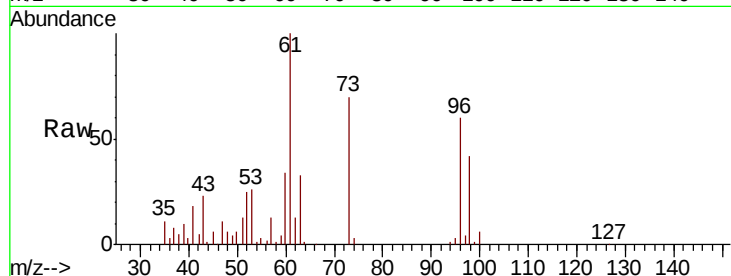
Tot Ion: 96 Resp: 350448

Ion Ratio Lower Upper

96 100

61 167.0 134.6 201.8

98 70.6 51.8 77.8



#22

Diisopropyl ether

Concen: 47.407 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Tgt Ion: 45 Resp: 1054525

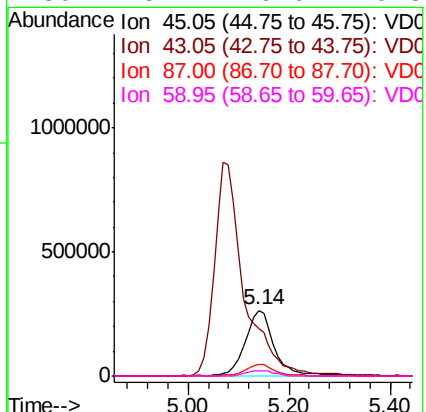
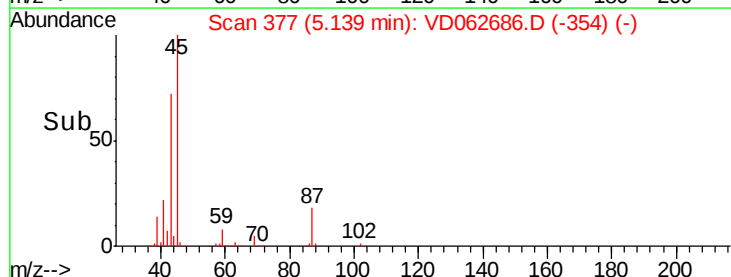
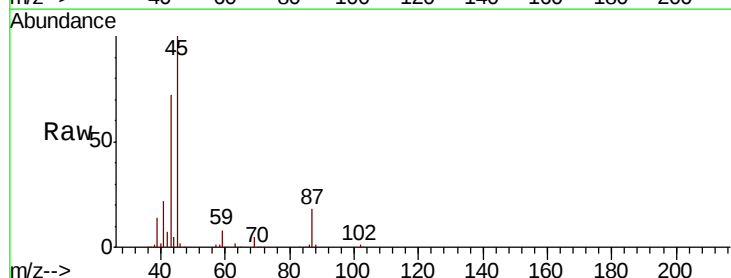
Ion Ratio Lower Upper

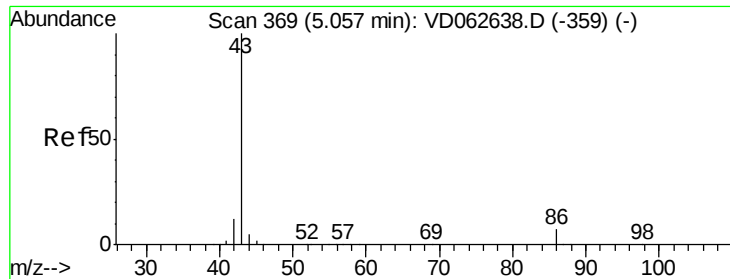
45 100

43 72.0 58.8 88.2

87 18.5 15.7 23.5

59 8.2 6.6 9.8

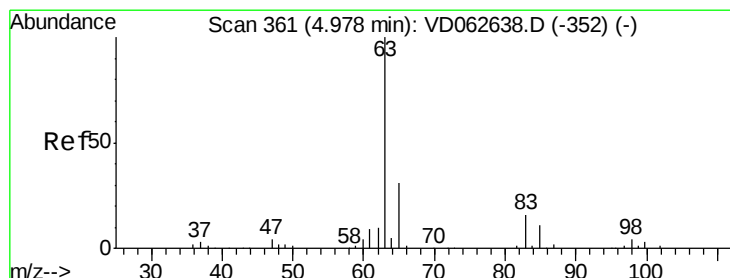
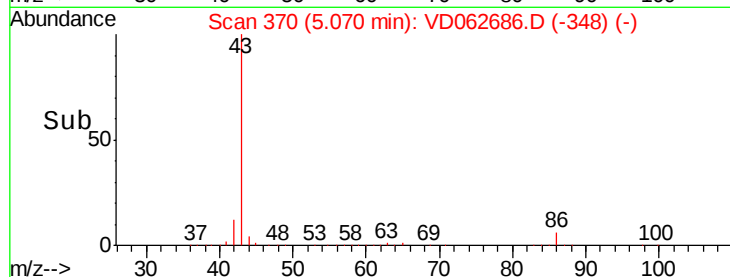
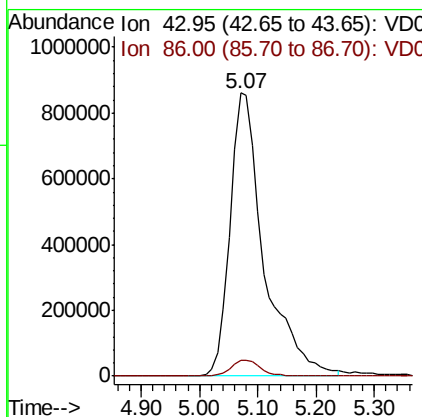
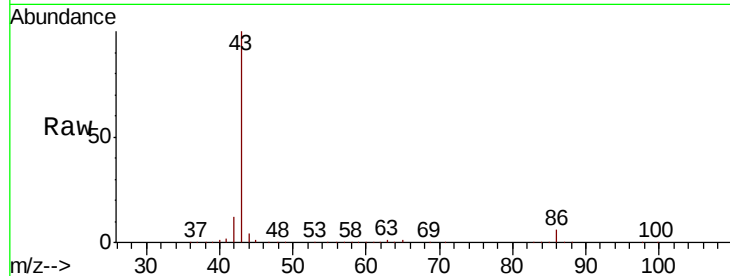




#23
 Vinyl Acetate
 Concen: 252.723 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

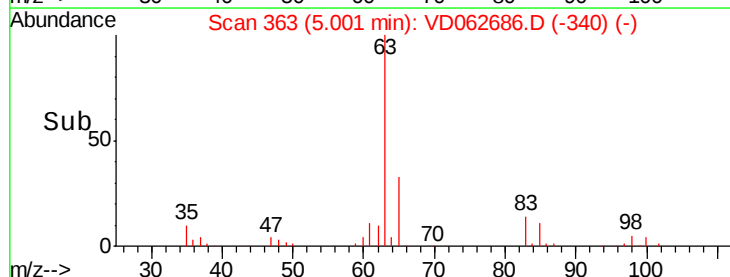
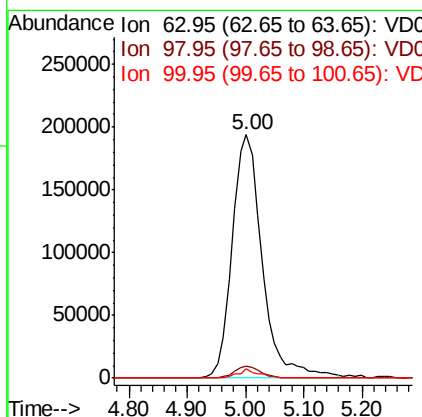
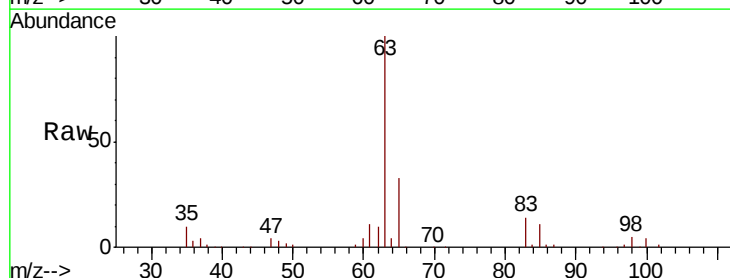
Instrument :
 MSVOA_D
 ClientSampleId :

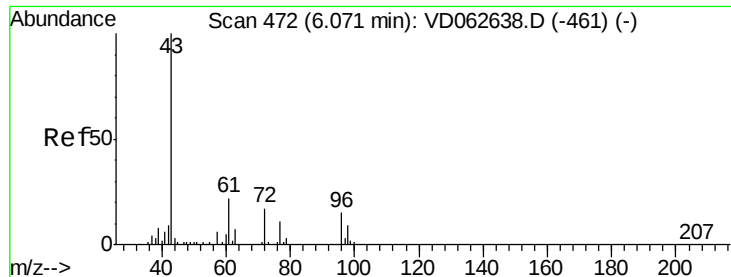
Tot Ion: 43 Resp: 3487558
 Ion Ratio Lower Upper
 43 100
 86 5.7 5.3 7.9



#24
 1,1-Dichloroethane
 Concen: 48.885 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.02 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Tgt Ion: 63 Resp: 699545
 Ion Ratio Lower Upper
 63 100
 98 4.7 1.8 5.4
 100 3.6 1.5 4.4





#25

2-Butanone

Concen: 238.166 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

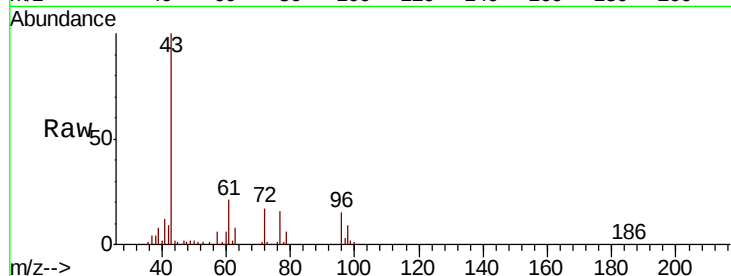
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 483967

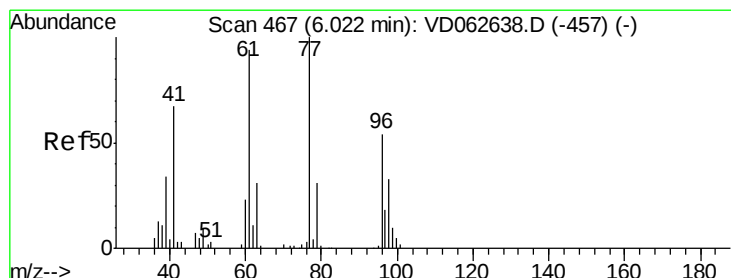
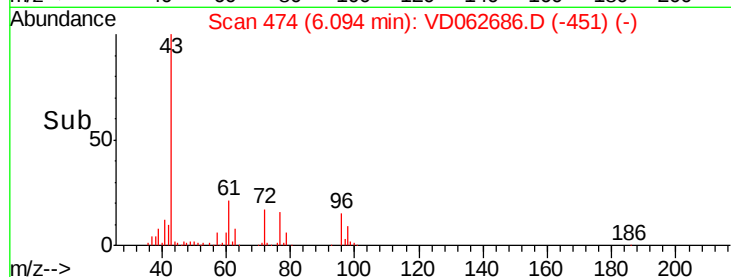
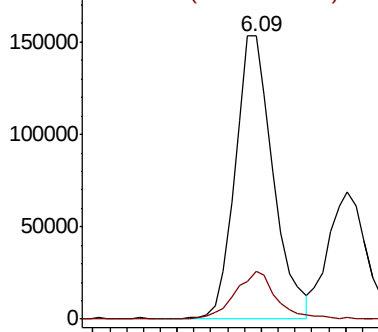
Ion Ratio Lower Upper

43 100

72 16.7 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.931 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD062686.D

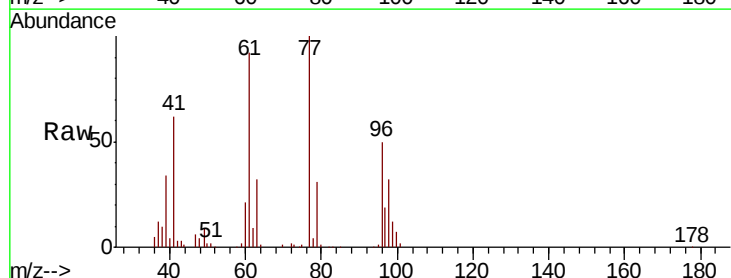
Acq: 13 Jun 2019 11:16

Tgt Ion: 77 Resp: 806995

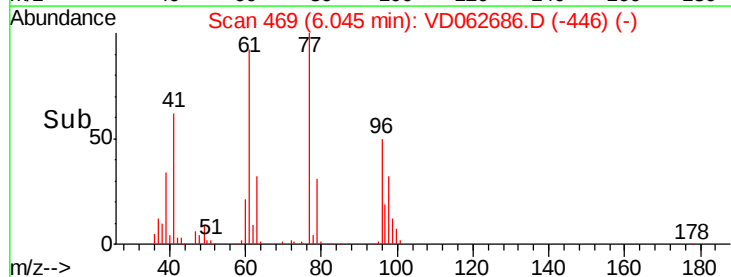
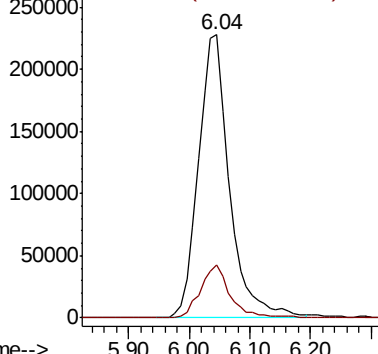
Ion Ratio Lower Upper

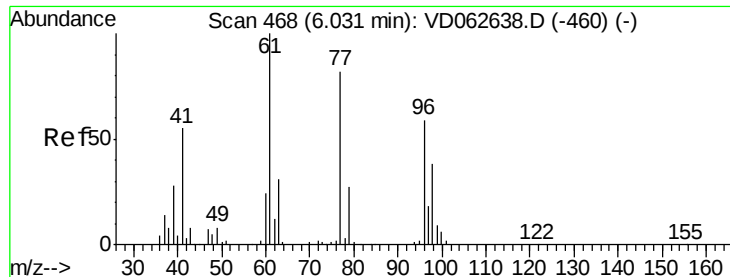
77 100

97 18.8 8.8 26.5



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



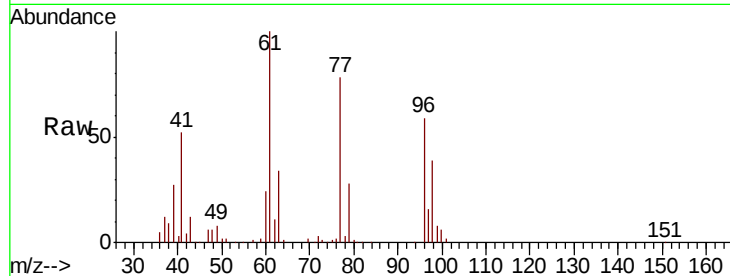


#27

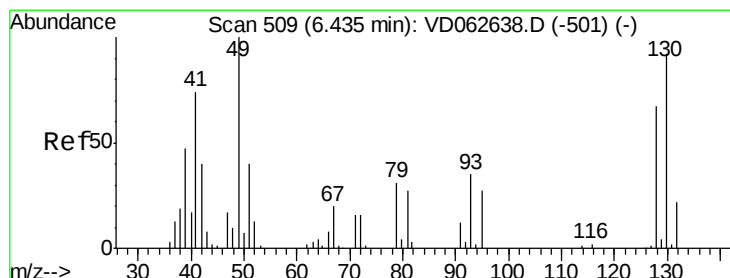
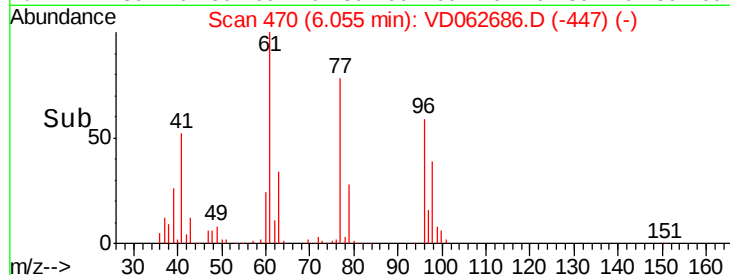
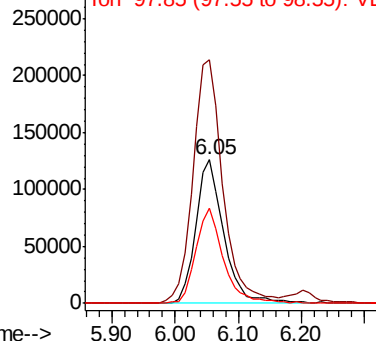
cis-1,2-Dichloroethene
Concen: 46.562 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 385773
Ion Ratio Lower Upper
96 100
61 169.4 0.0 340.0
98 66.5 0.0 127.6



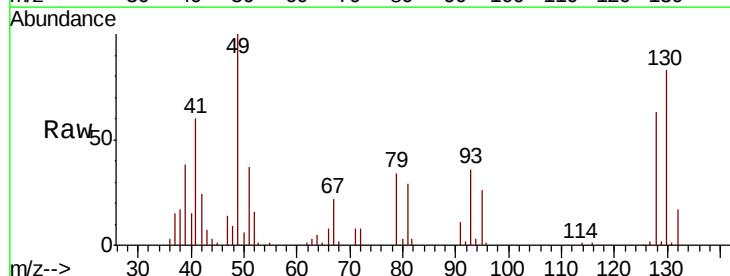
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



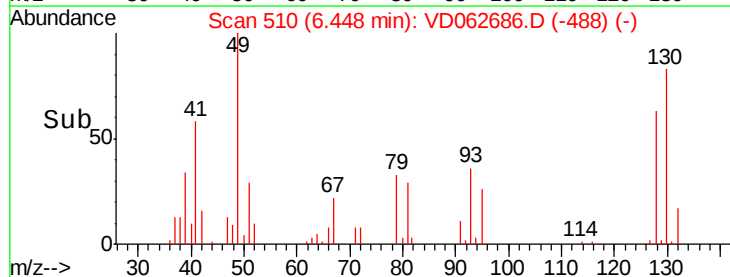
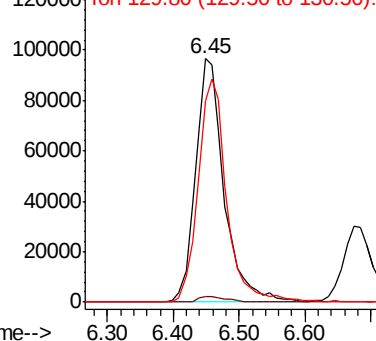
#28

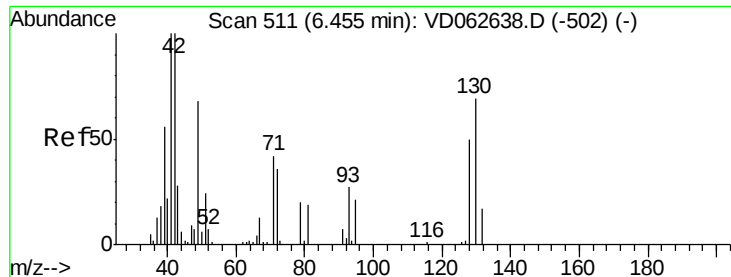
Bromochloromethane
Concen: 53.139 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 49 Resp: 290680
Ion Ratio Lower Upper
49 100
129 2.5 0.0 8.2
130 82.8 73.4 110.0



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





#29

Tetrahydrofuran

Concen: 236.639 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.02 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :

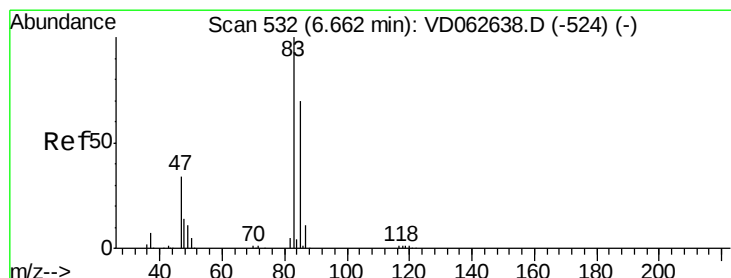
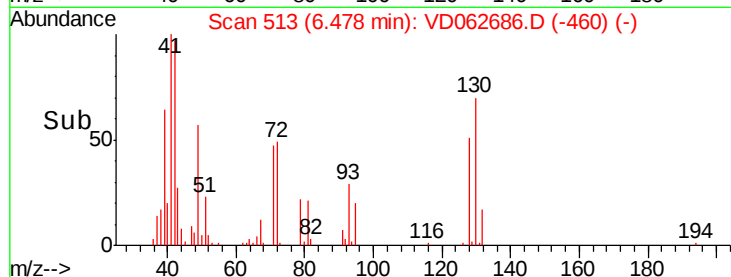
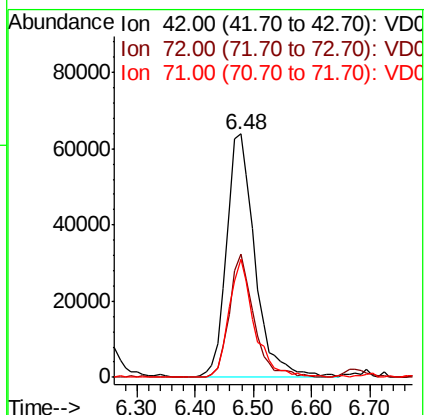
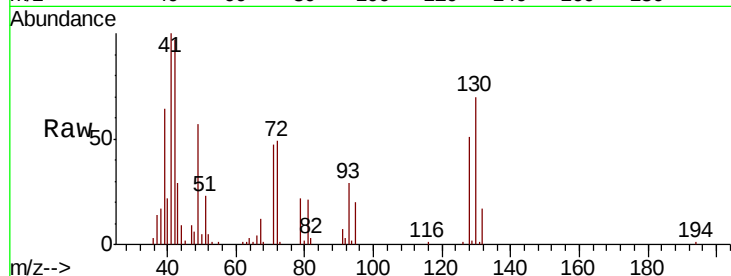
Tot Ion: 42 Resp: 216548

Ion Ratio Lower Upper

42 100

72 43.6 33.8 50.6

71 42.7 34.2 51.4



#30

Chloroform

Concen: 48.617 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD062686.D

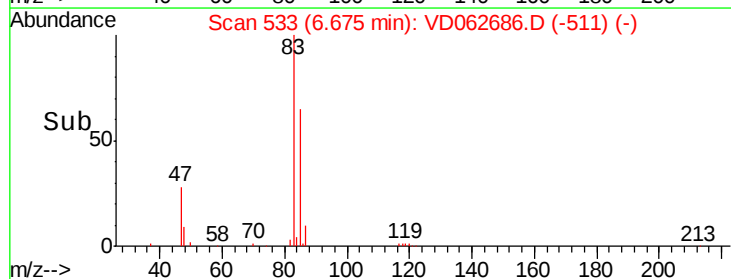
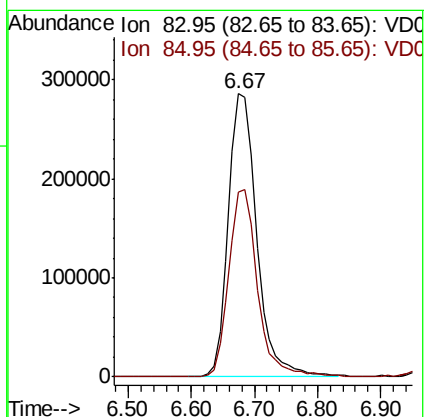
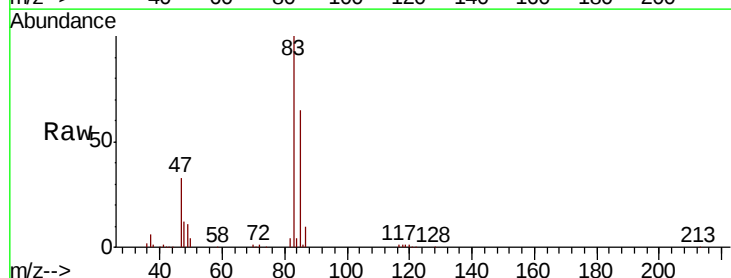
Acq: 13 Jun 2019 11:16

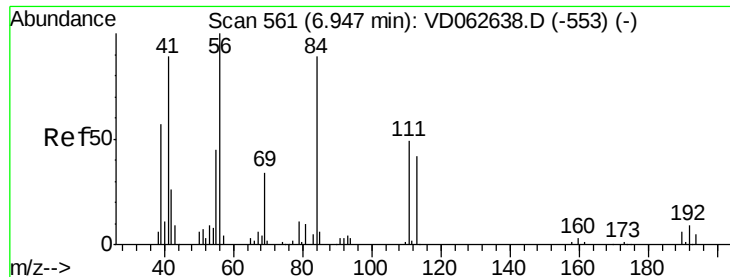
Tgt Ion: 83 Resp: 892621

Ion Ratio Lower Upper

83 100

85 65.2 55.8 83.6

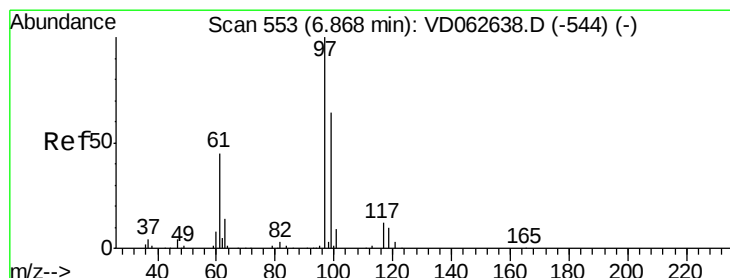
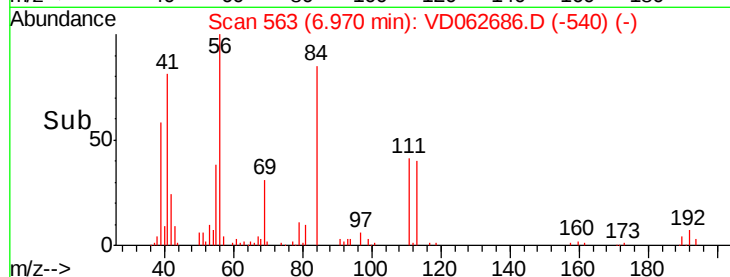
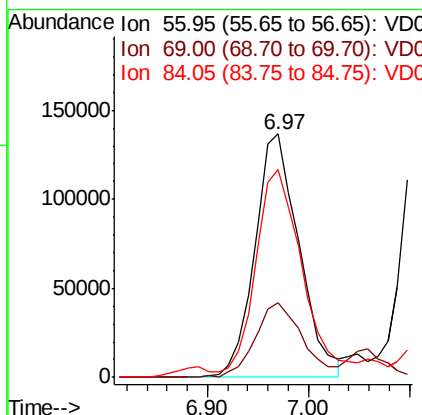
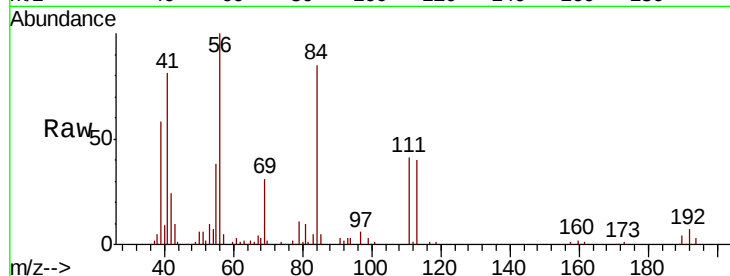




#31
Cyclohexane
Concen: 46.423 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

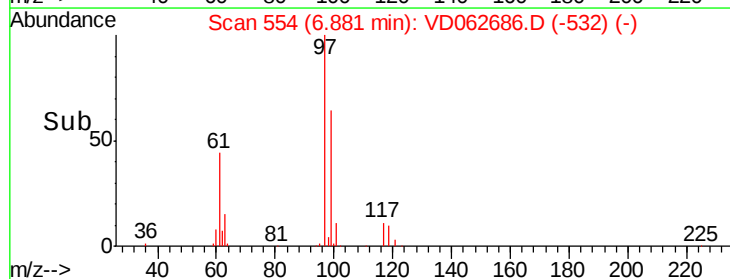
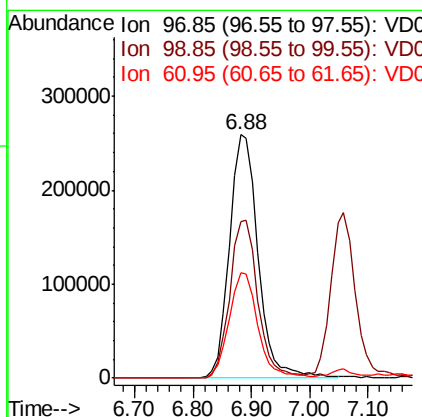
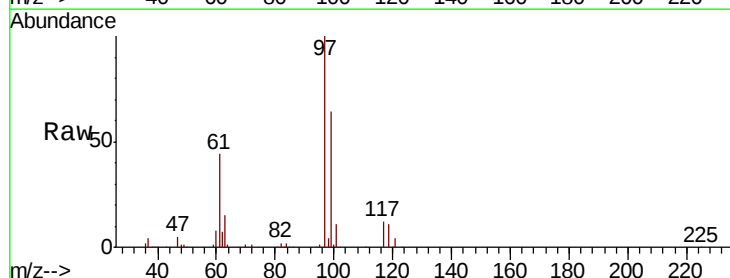
Instrument :
MSVOA_D
ClientSampleId :

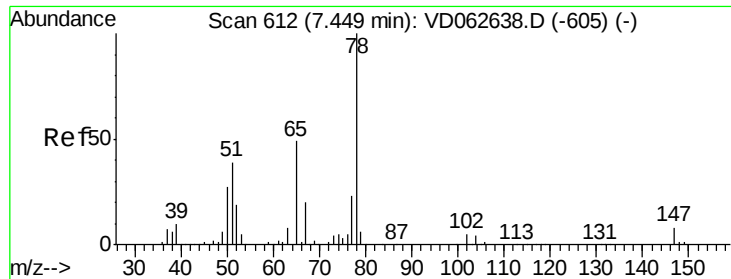
Tot Ion: 56 Resp: 416721
Ion Ratio Lower Upper
56 100
69 30.5 26.8 40.2
84 85.1 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 48.508 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 97 Resp: 886208
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 43.5 35.6 53.4

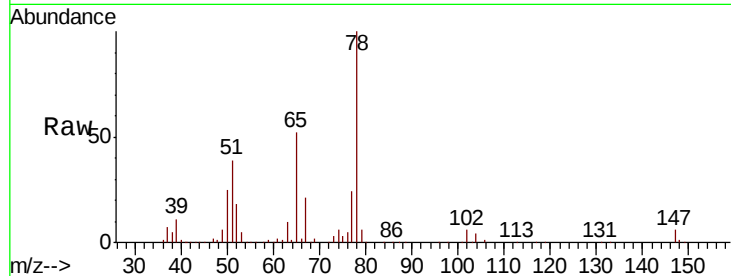




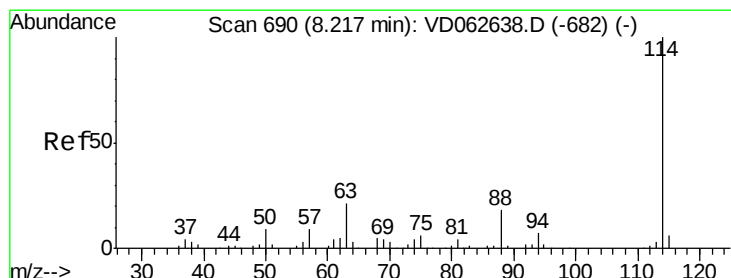
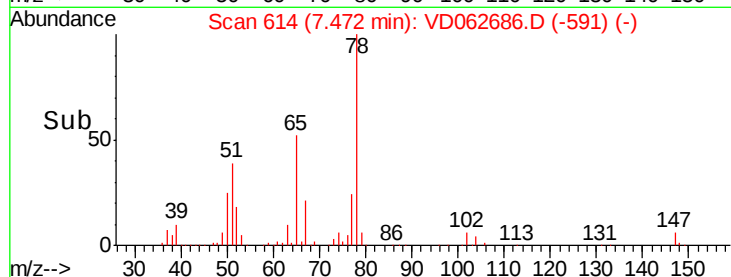
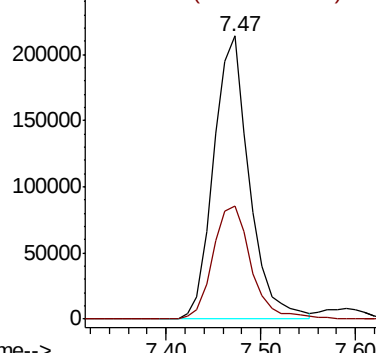
#33
 1,2-Dichloroethane-d4
 Concen: 49.222 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 65 Resp: 559888
 Ion Ratio Lower Upper
 65 100
 67 39.9 0.0 81.8

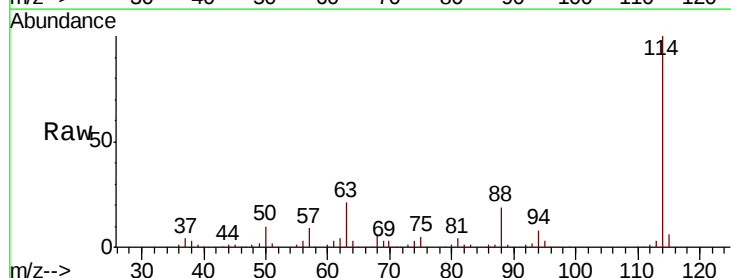


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

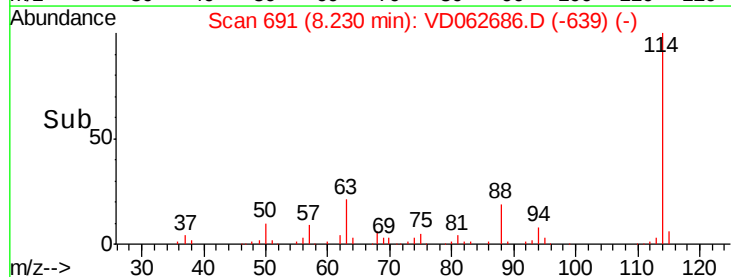
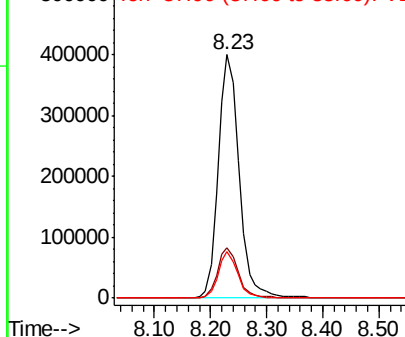


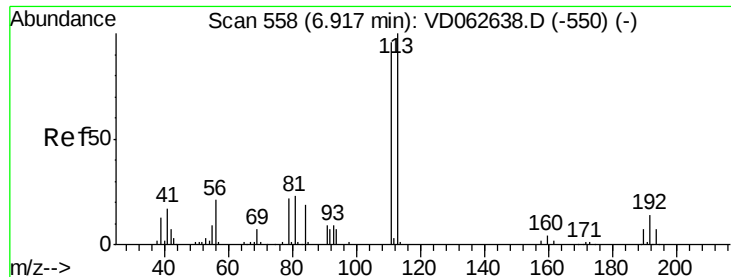
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Tgt Ion: 114 Resp: 1045269
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.4
 88 19.3 0.0 36.8



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

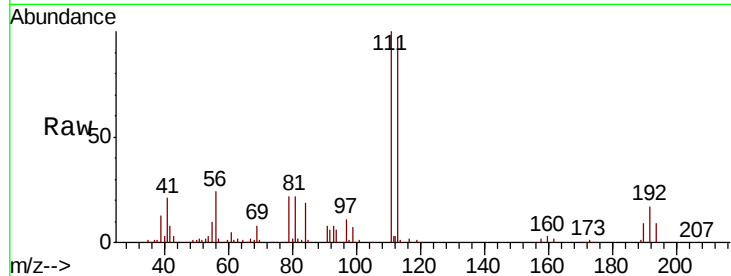




#35
 Dibromofluoromethane
 Concen: 50.082 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	76.4	114.6
192	17.0	11.4	17.0

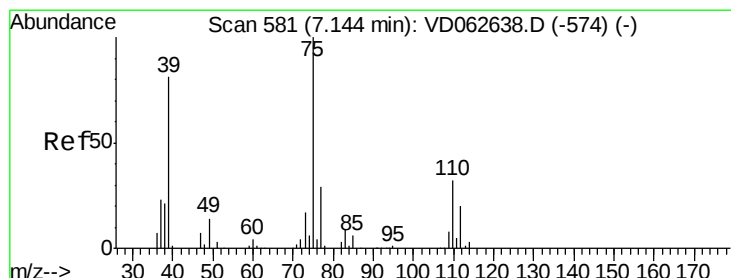
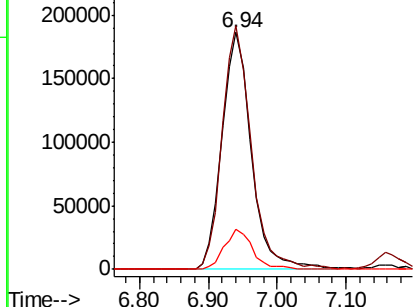
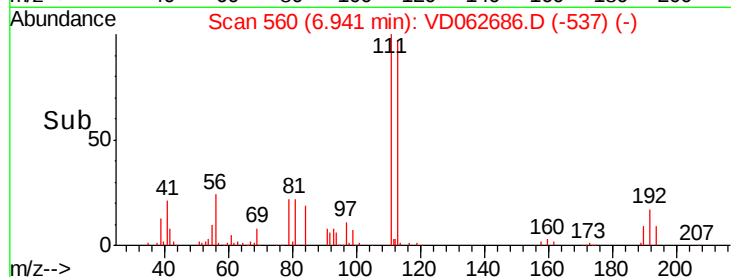


Abundance

Ion 112.90 (112.60 to 113.60): V

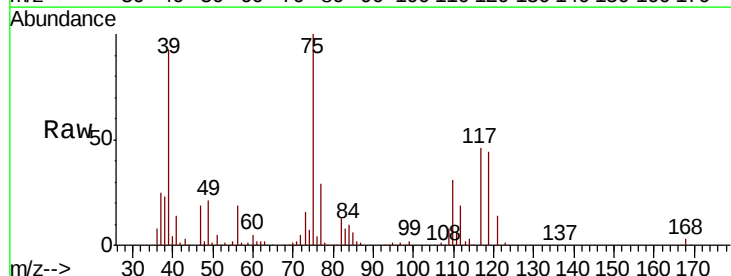
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36
 1,1-Dichloropropene
 Concen: 49.540 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.8	15.9	47.7
77	29.5	23.3	34.9

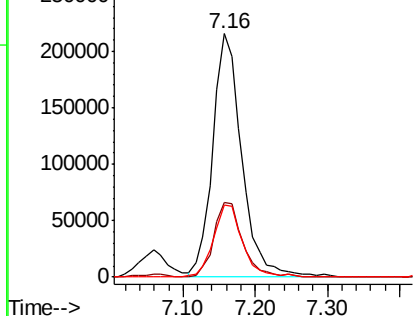
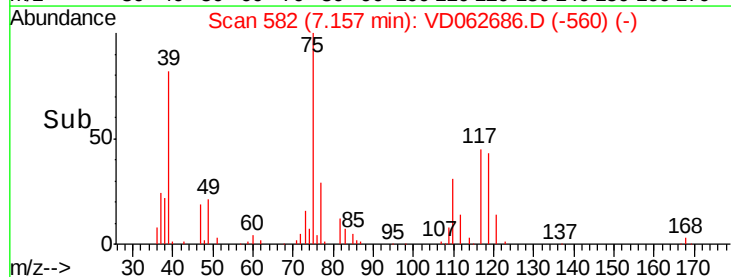


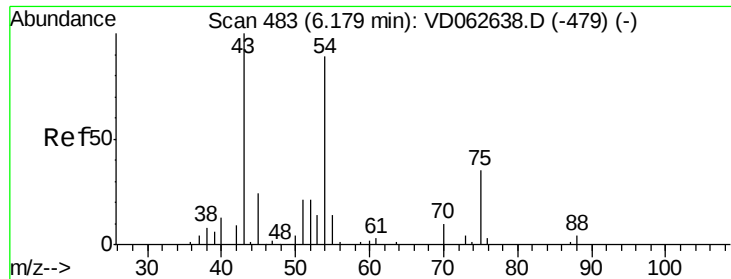
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

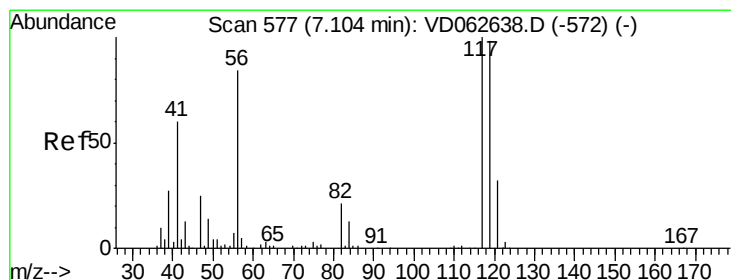
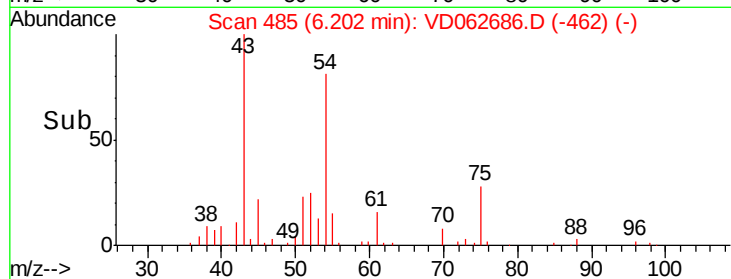
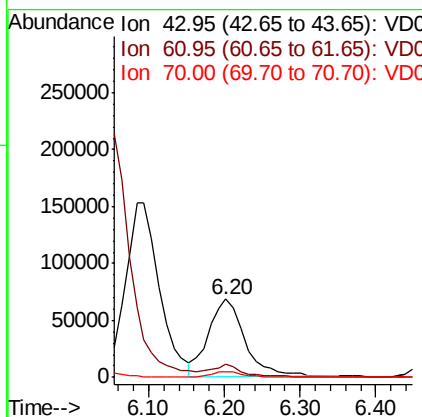
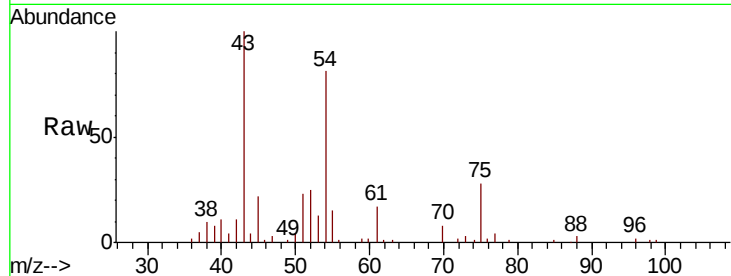




#37
Ethyl Acetate
Concen: 44.152 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

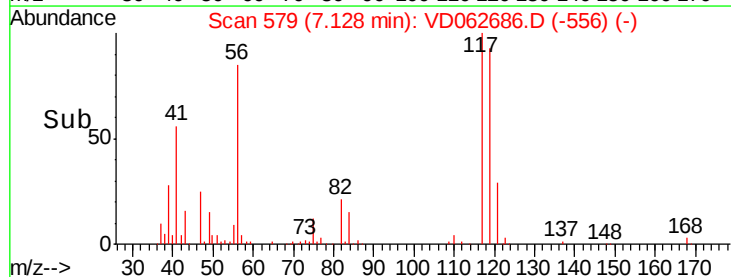
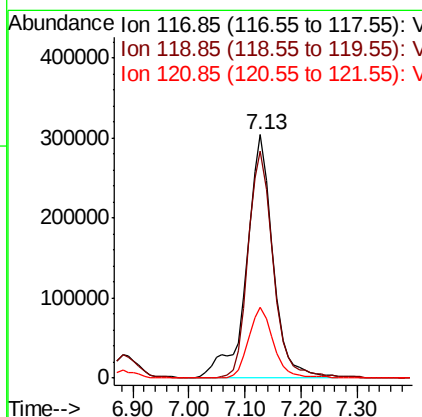
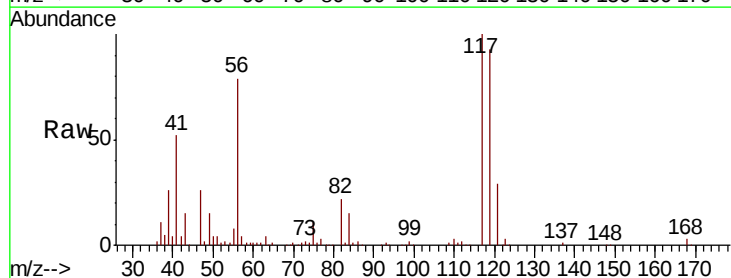
Instrument :
MSVOA_D
ClientSampleID :

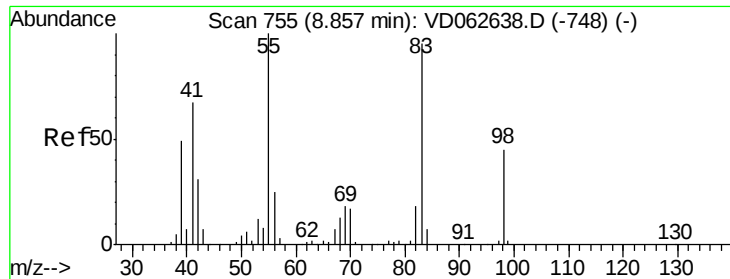
Tot Ion: 43 Resp: 224478
Ion Ratio Lower Upper
43 100
61 16.7 8.7 13.1#
70 7.5 6.5 9.7



#38
Carbon Tetrachloride
Concen: 52.331 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 117 Resp: 989509
Ion Ratio Lower Upper
117 100
119 93.4 73.5 110.3
121 28.9 24.2 36.4

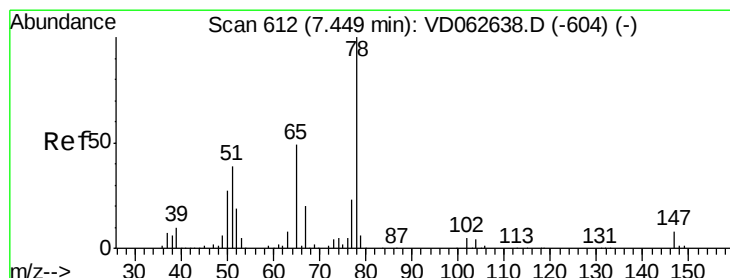
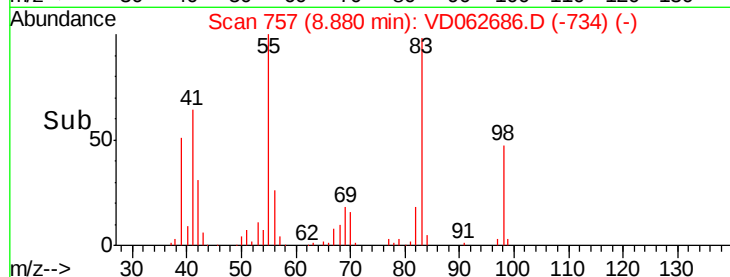
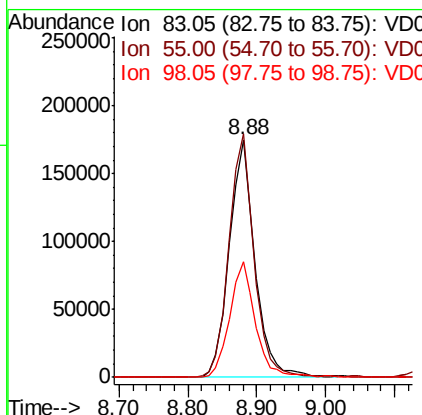
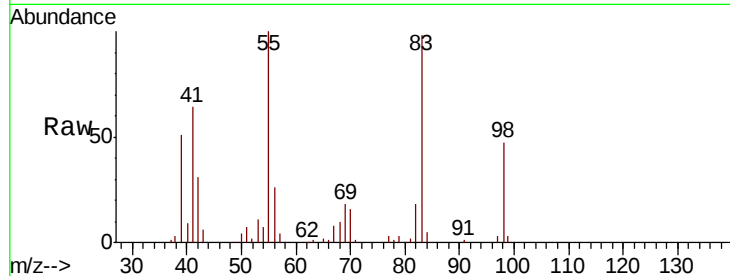




#39
Methvlcvclohexane
Concen: 46.781 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

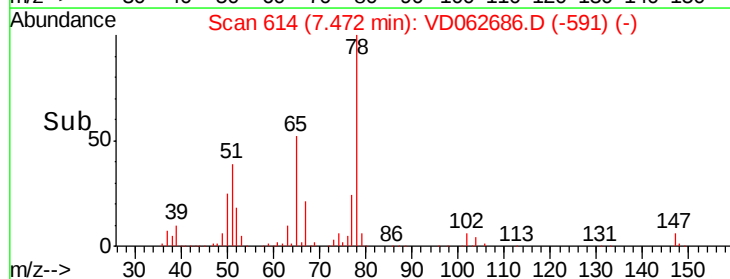
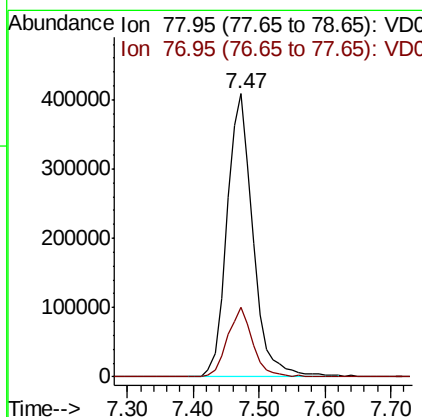
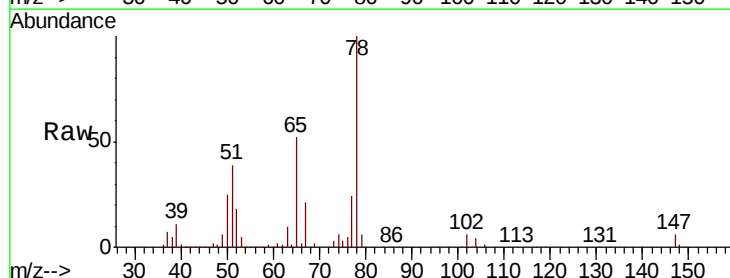
Instrument :
MSVOA_D
ClientSampled :

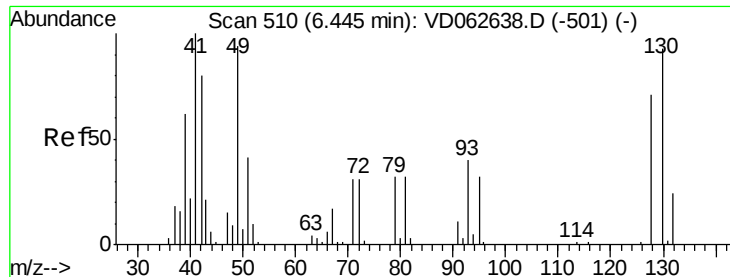
Tot Ion: 83 Resp: 452246
Ion Ratio Lower Upper
83 100
55 102.4 84.6 127.0
98 48.5 38.2 57.4



#40
Benzene
Concen: 48.346 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 78 Resp: 1129495
Ion Ratio Lower Upper
78 100
77 24.5 18.6 28.0

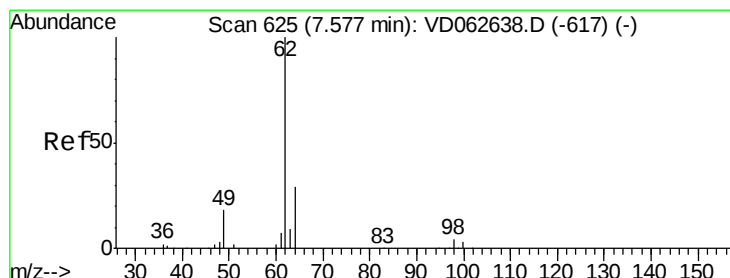
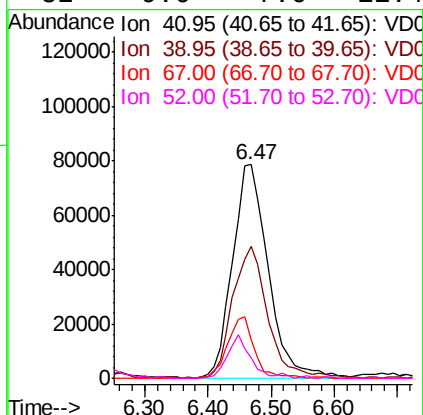
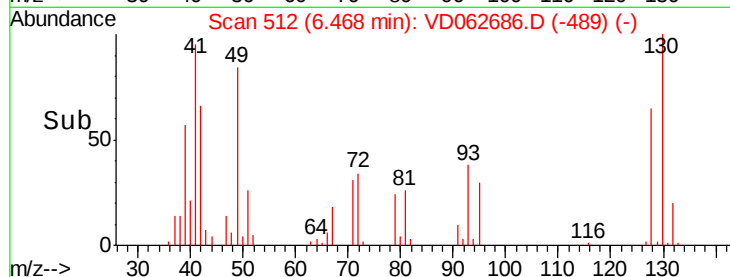
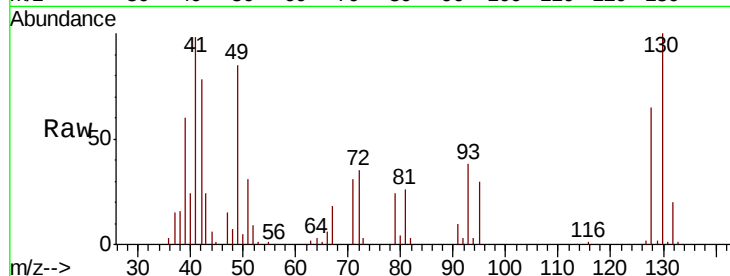




#41
Methacrylonitrile
Concen: 49.281 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

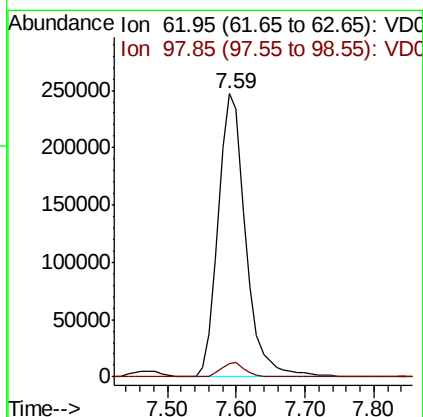
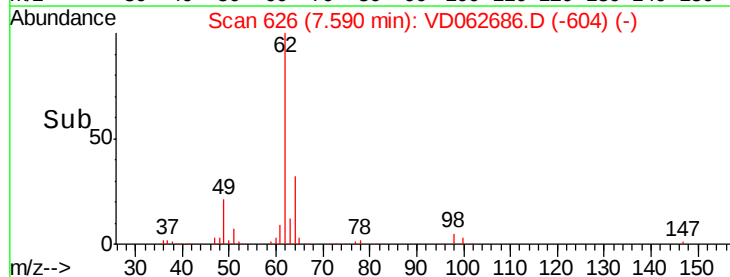
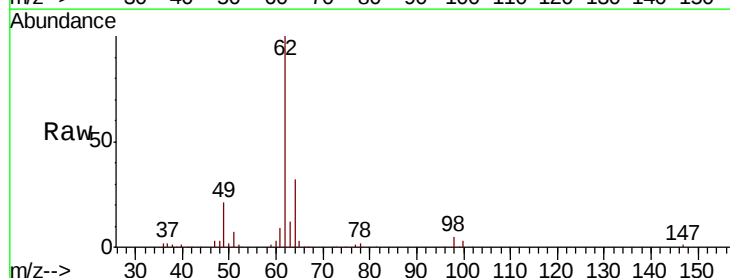
Instrument :
MSVOA_D
ClientSampleId :

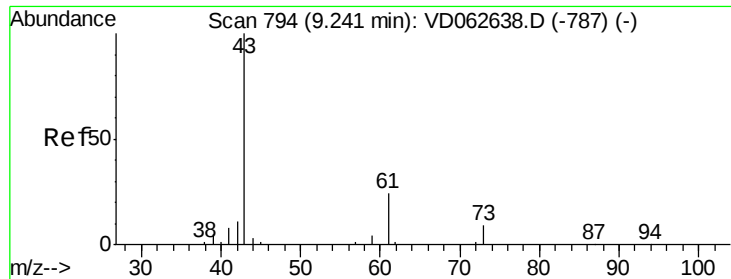
Tot Ion: 41 Resp: 308615
Ion Ratio Lower Upper
41 100
39 61.6 49.2 73.8
67 18.1 13.9 20.9
52 9.6 7.6 11.4



#42
1,2-Dichloroethane
Concen: 48.875 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 62 Resp: 680588
Ion Ratio Lower Upper
62 100
98 4.7 0.0 7.4





#43

Isopropyl Acetate

Concen: 51.014 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

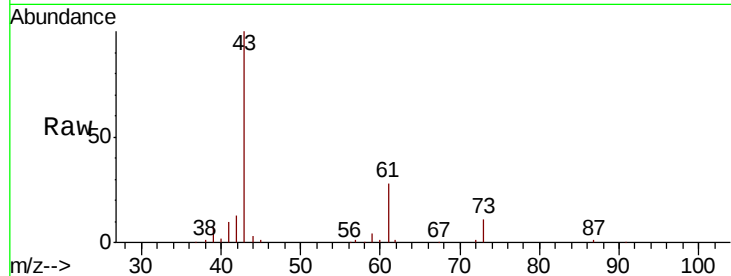
Tot Ion: 43 Resp: 322012

Ion Ratio Lower Upper

43 100

61 28.3 19.0 28.6

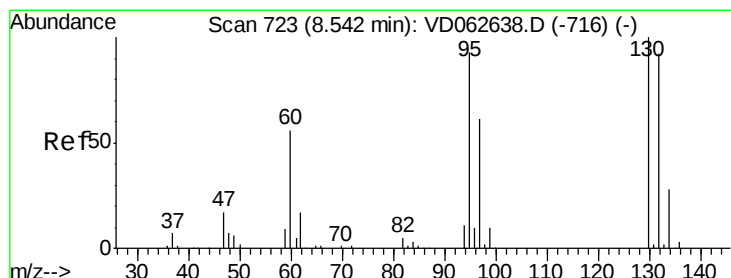
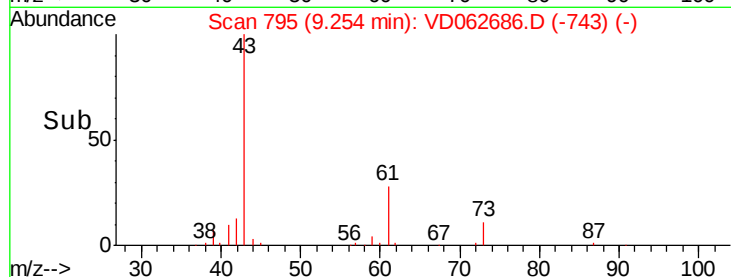
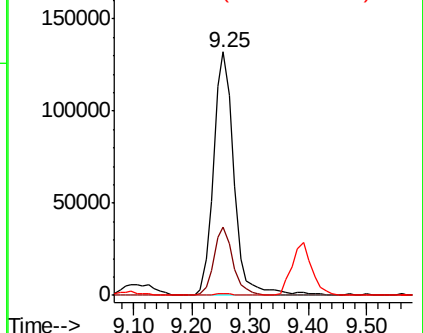
87 0.5 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.405 ug/l

RT: 8.56 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD062686.D

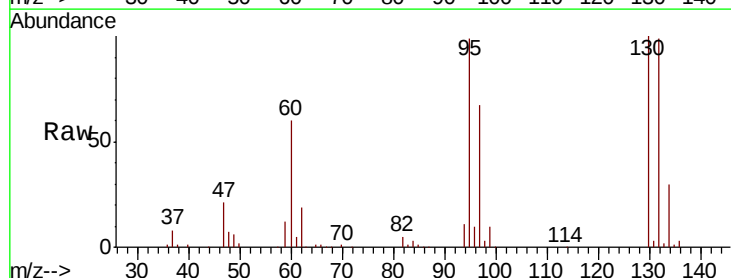
Acq: 13 Jun 2019 11:16

Tgt Ion:130 Resp: 468593

Ion Ratio Lower Upper

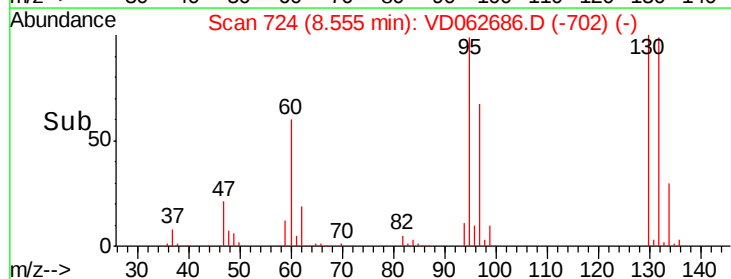
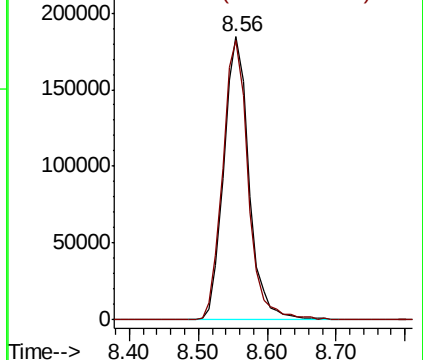
130 100

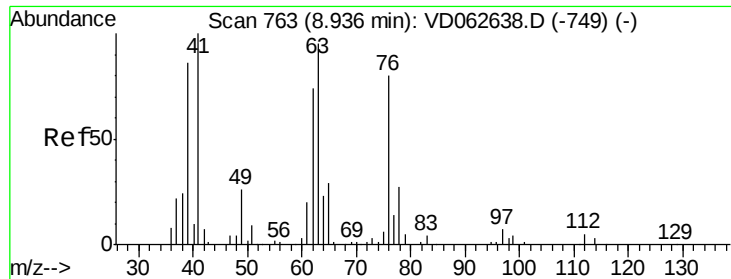
95 98.8 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.155 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

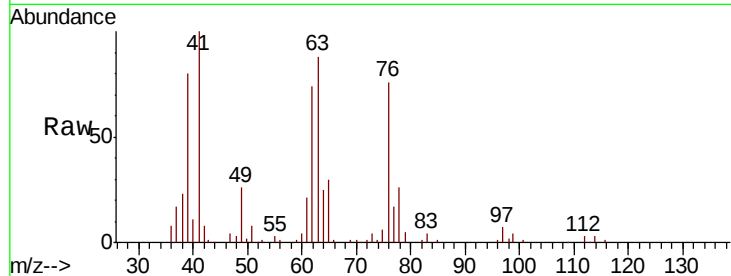
ClientSampled :

Tot Ion: 63 Resp: 270233

Ion Ratio Lower Upper

63 100

65 34.2 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

100000

80000

60000

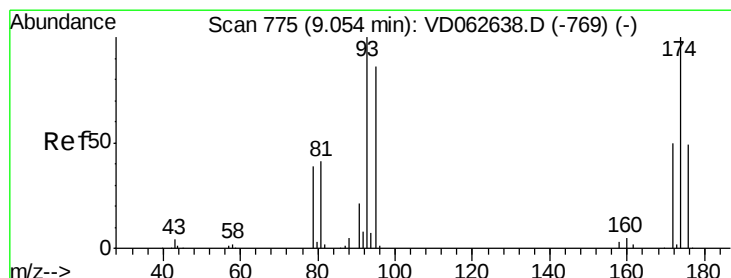
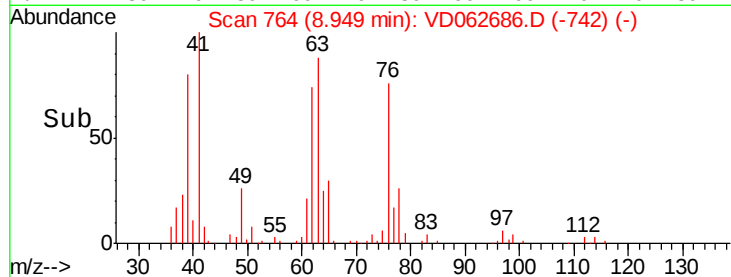
40000

20000

0

Time-->

8.90 9.00 9.10



#46

Dibromomethane

Concen: 50.302 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

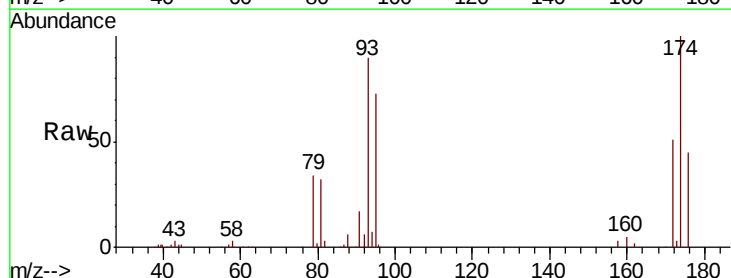
Tgt Ion: 93 Resp: 250563

Ion Ratio Lower Upper

93 100

95 81.2 68.7 103.1

174 111.6 79.8 119.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

150000

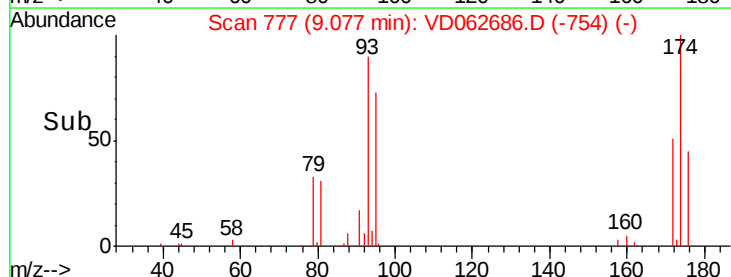
100000

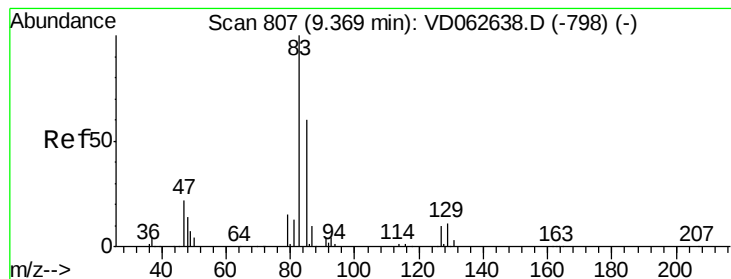
50000

0

Time-->

9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 50.172 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

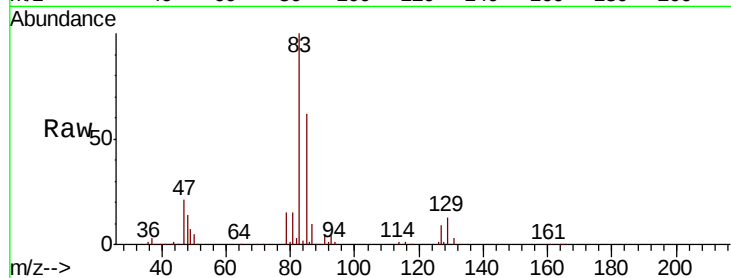
Tot Ion: 83 Resp: 679841

Ion Ratio Lower Upper

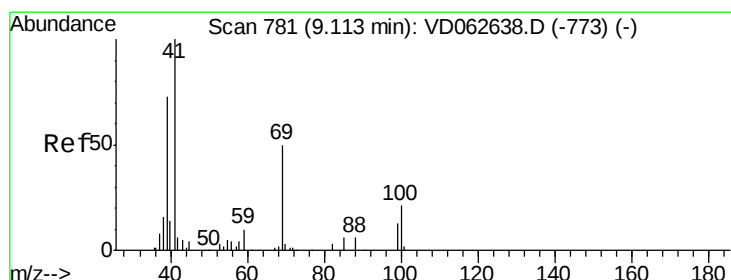
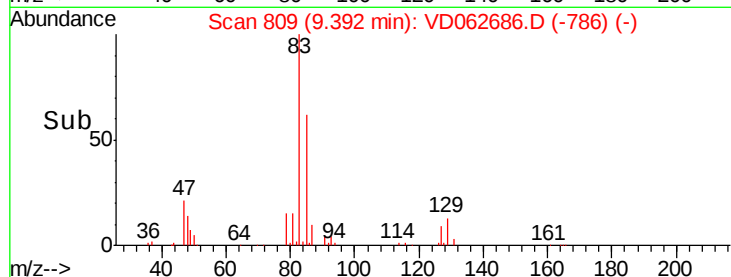
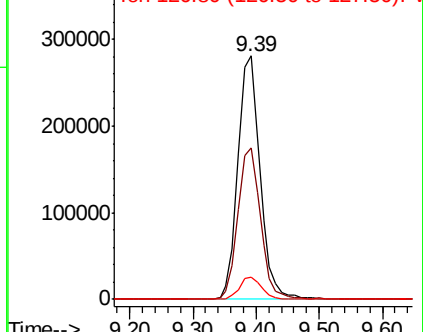
83 100

85 62.4 47.9 71.9

127 9.2 8.2 12.4



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: 48.628 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

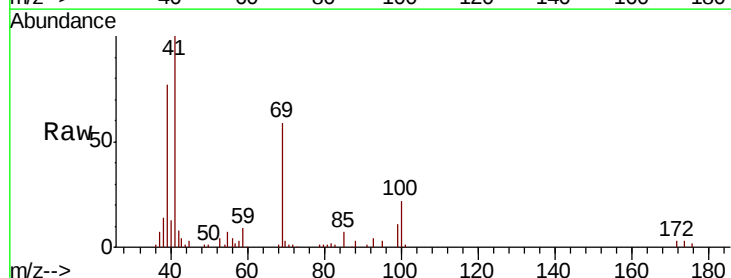
Tgt Ion: 41 Resp: 221758

Ion Ratio Lower Upper

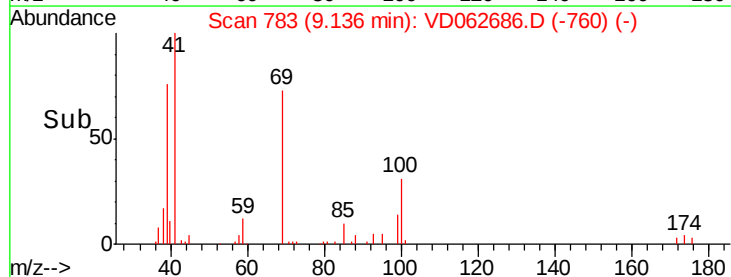
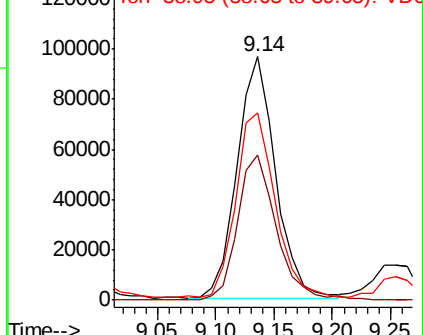
41 100

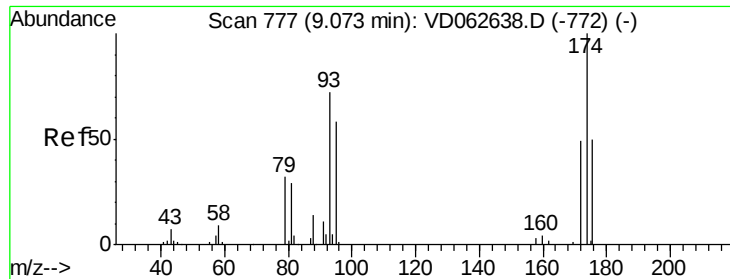
69 59.5 39.8 59.6

39 76.9 59.1 88.7



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

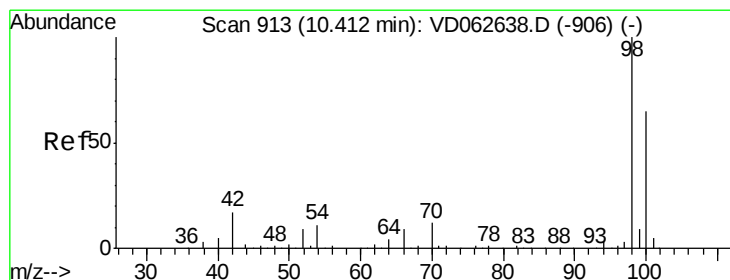
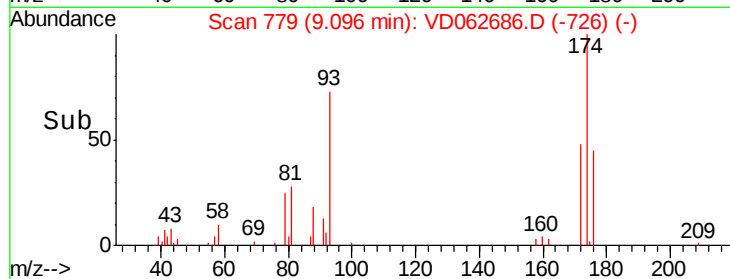
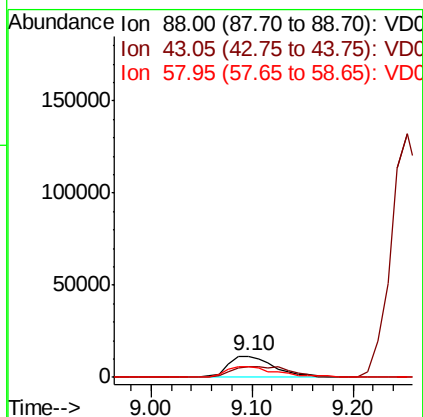
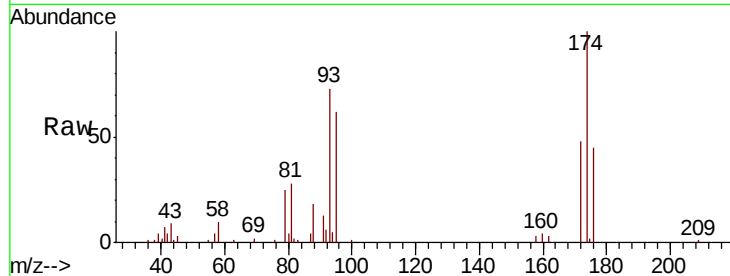




#49
1,4-Dioxane
Concen: 893.391 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

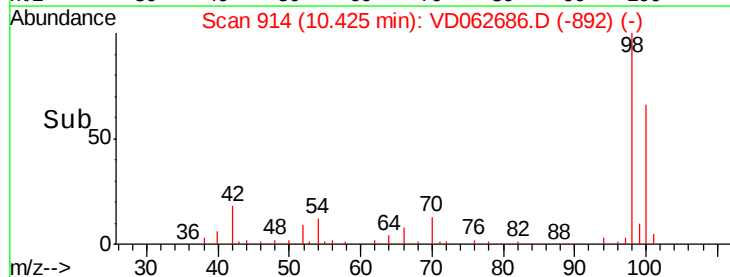
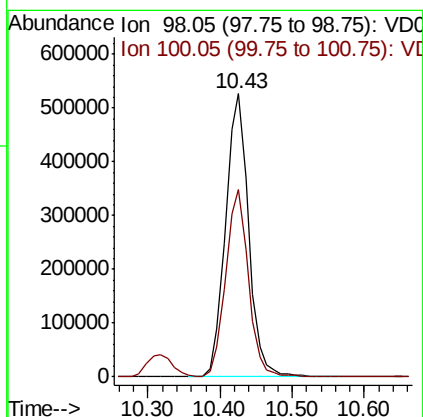
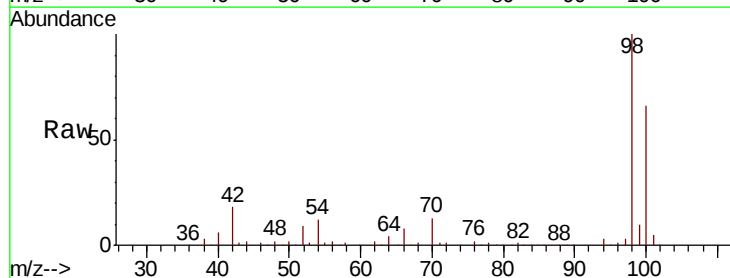
Instrument :
MSVOA_D
ClientSampleId :

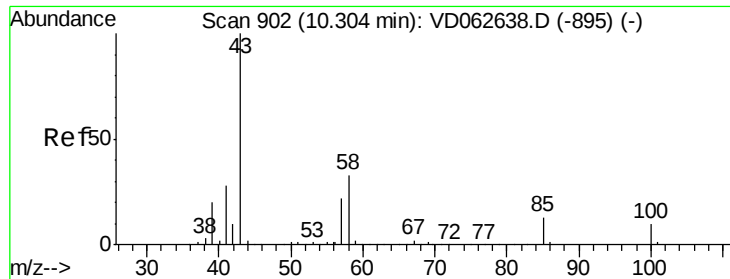
Tot Ion: 88 Resp: 36216
Ion Ratio Lower Upper
88 100
43 56.3 40.7 61.1
58 52.1 54.2 81.4#



#50
Toluene-d8
Concen: 50.343 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 98 Resp: 1167457
Ion Ratio Lower Upper
98 100
100 66.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 239.348 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

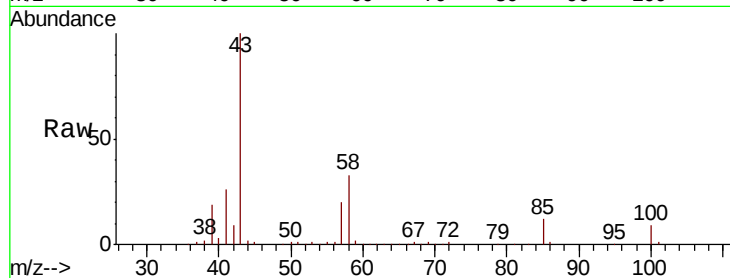
ClientSampleId :

Tot Ion: 43 Resp: 1057152

Ion Ratio Lower Upper

43 100

58 32.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

400000

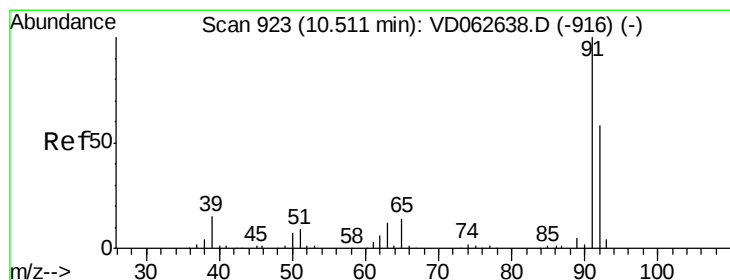
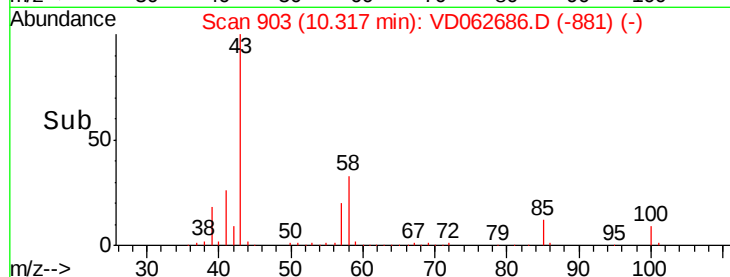
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.301 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062686.D

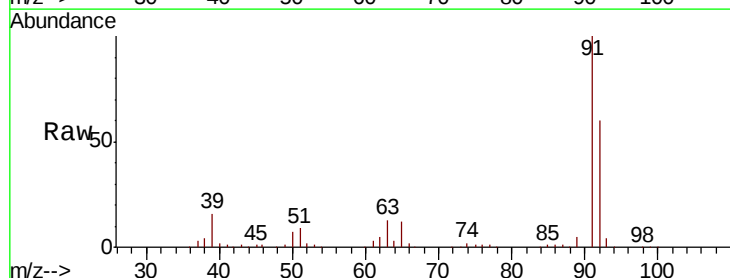
Acq: 13 Jun 2019 11:16

Tgt Ion: 92 Resp: 774230

Ion Ratio Lower Upper

92 100

91 167.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

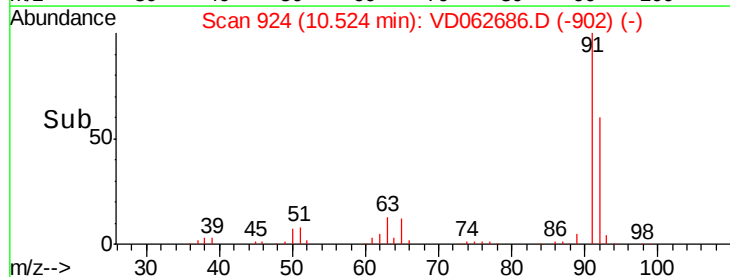
600000

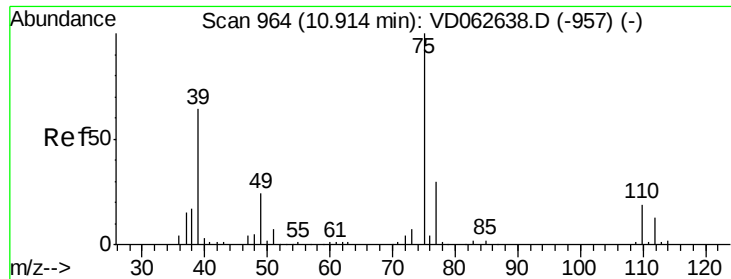
400000

200000

0

Time-->

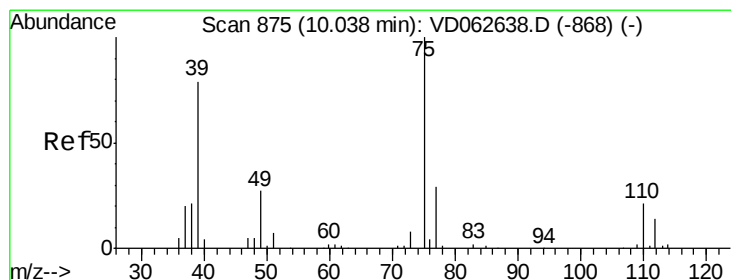
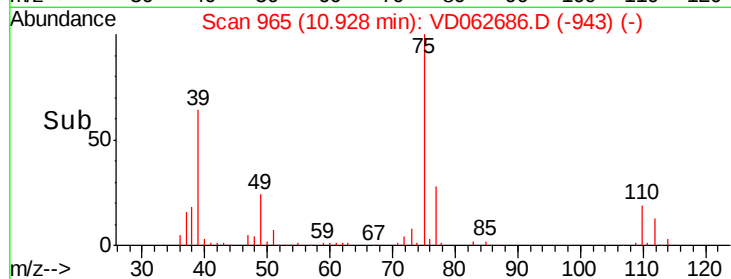
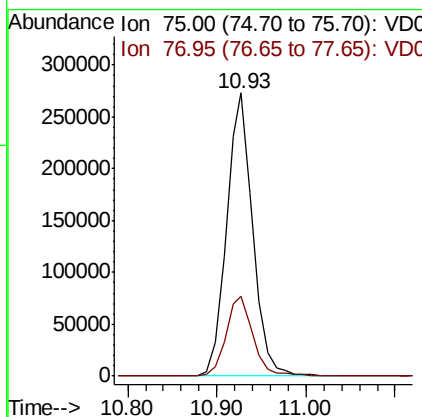
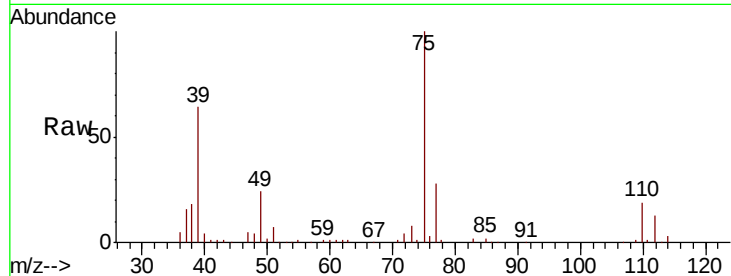




#53
 t-1,3-Dichloropropene
 Concen: 50.514 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

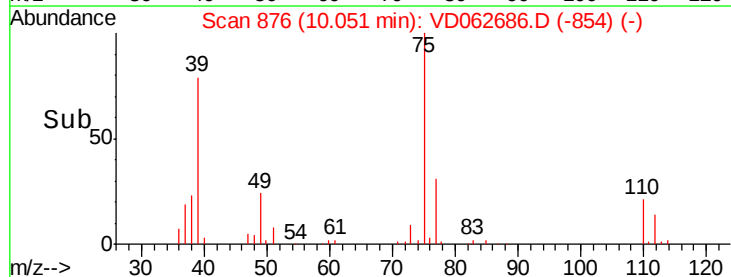
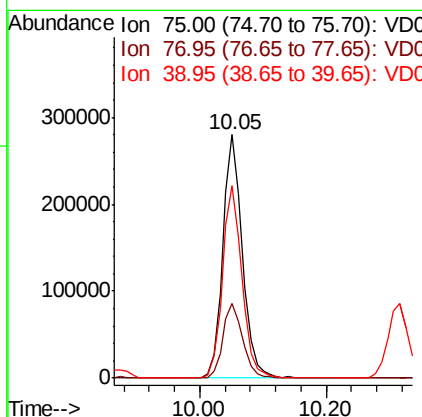
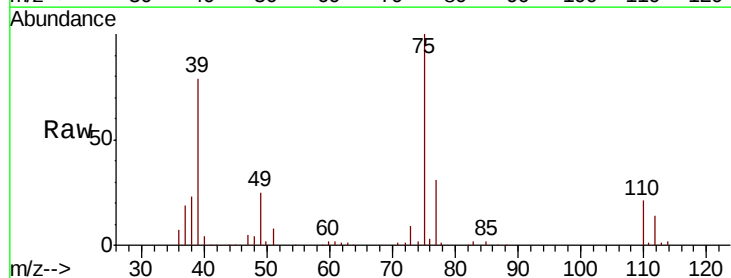
Instrument :
 MSVOA_D
 ClientSampleId :

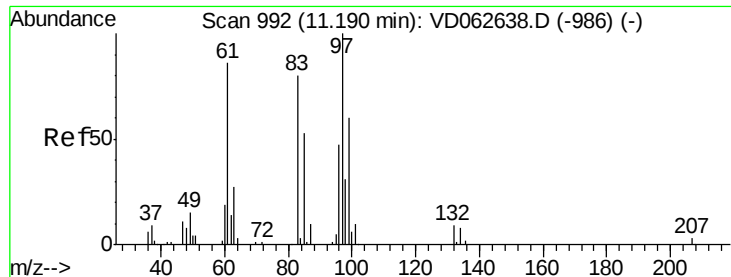
Tot Ion: 75 Resp: 561194
 Ion Ratio Lower Upper
 75 100
 77 28.4 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 52.514 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Tgt Ion: 75 Resp: 602977
 Ion Ratio Lower Upper
 75 100
 77 30.5 23.1 34.7
 39 79.3 63.4 95.2

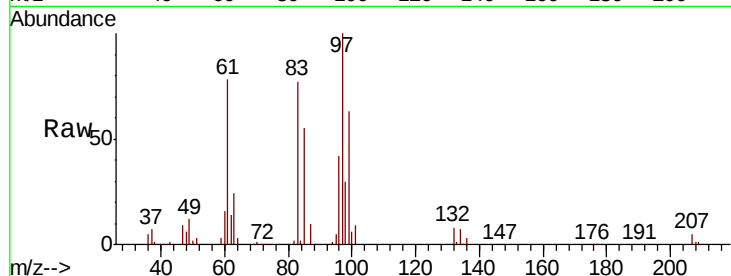




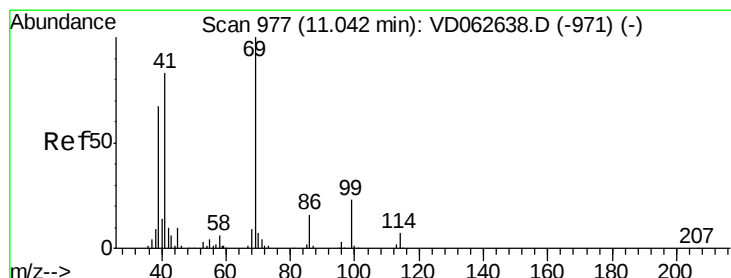
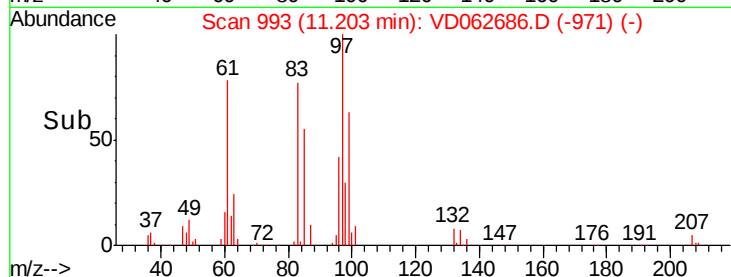
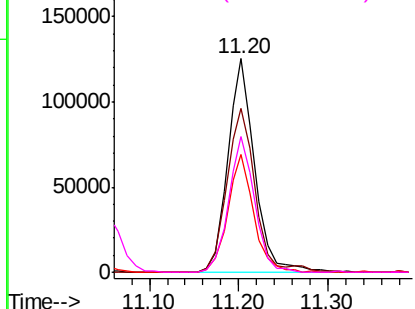
#55
 1,1,2-Trichloroethane
 Concen: 49.398 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	266037
Ion	Ratio	Lower	Upper
97	100		
83	76.6	63.8	95.8
85	55.0	42.3	63.5
99	63.5	48.0	72.0

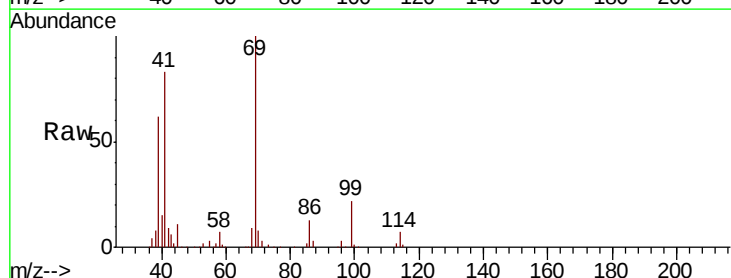


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

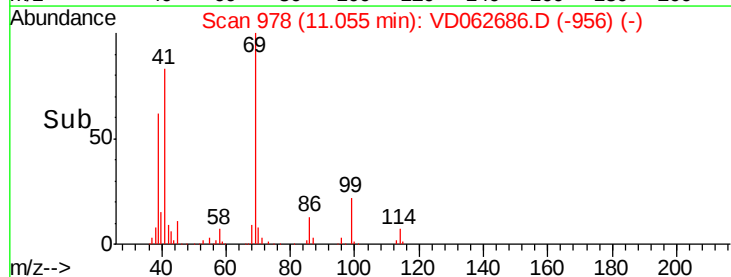
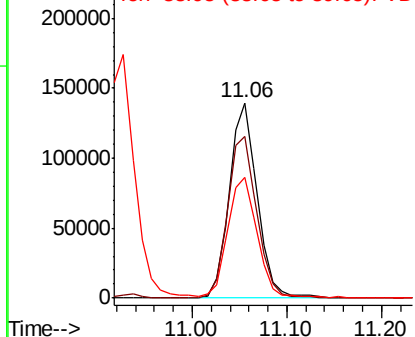


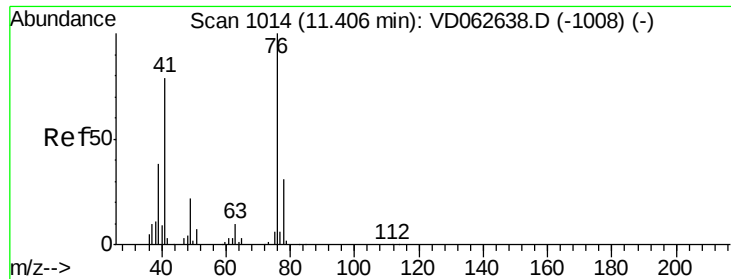
#56
 Ethyl methacrylate
 Concen: 44.264 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Tgt Ion:	69	Resp:	284047
Ion	Ratio	Lower	Upper
69	100		
41	82.7	66.2	99.4
39	61.6	53.8	80.8



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





#57

1,3-Dichloropropane

Concen: 52.233 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

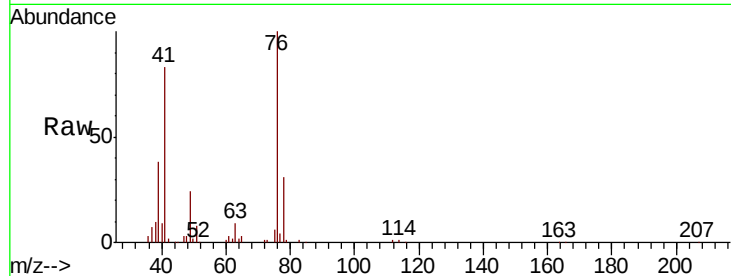
ClientSampleId :

Tot Ion: 76 Resp: 436004

Ion Ratio Lower Upper

76 100

78 31.3 24.9 37.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

250000

200000

150000

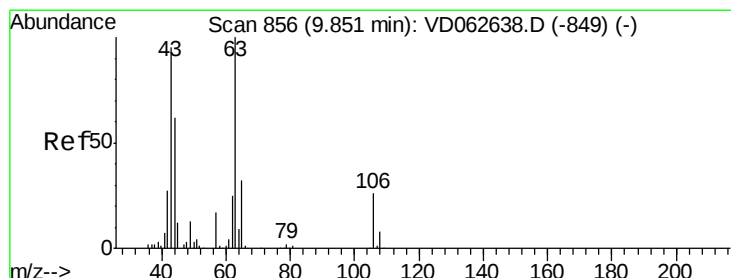
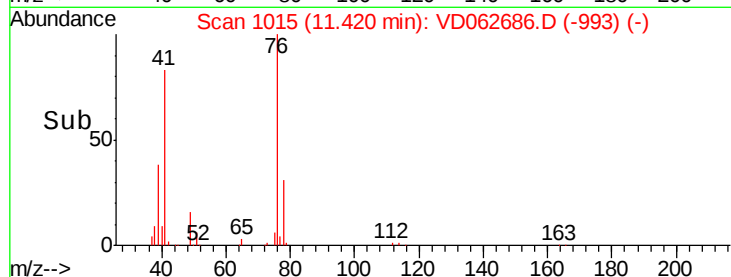
100000

50000

0

11.30 11.40 11.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 236.382 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062686.D

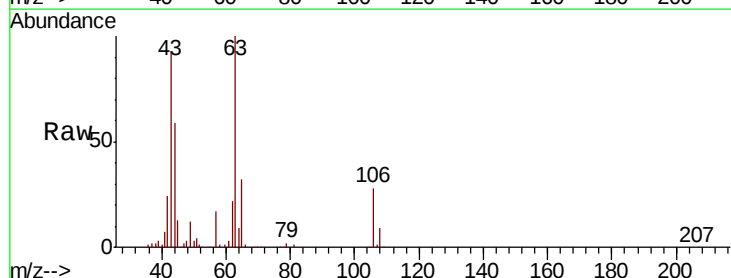
Acq: 13 Jun 2019 11:16

Tgt Ion: 63 Resp: 680414

Ion Ratio Lower Upper

63 100

106 28.3 20.5 30.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

300000

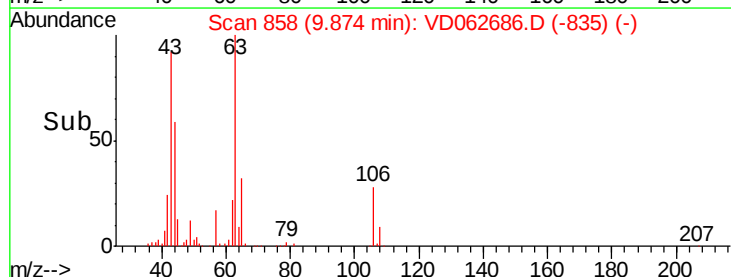
200000

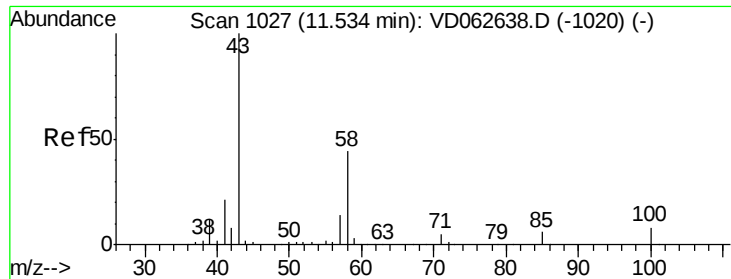
100000

0

9.80 9.90 10.00

Time-->

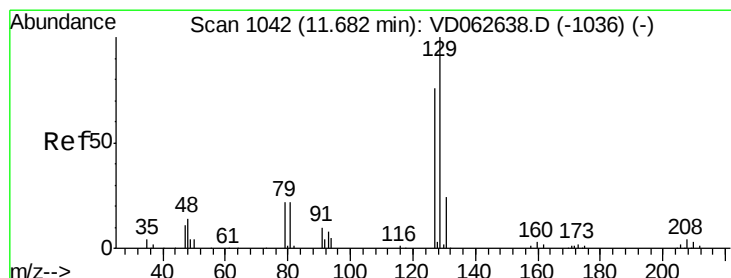
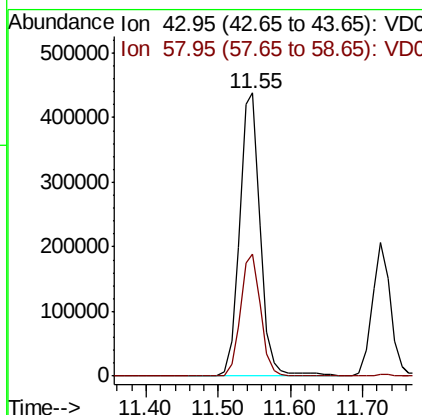
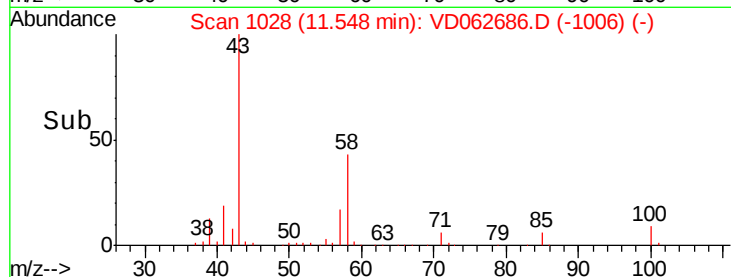
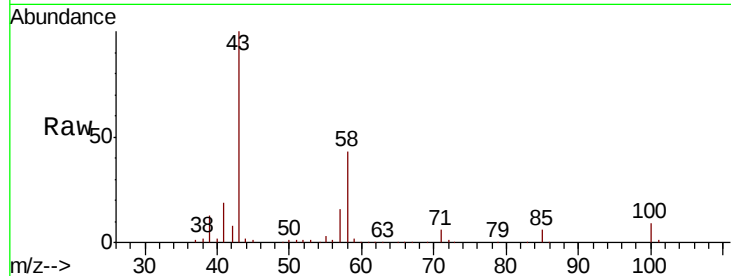




#59
2-Hexanone
Concen: 265.566 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

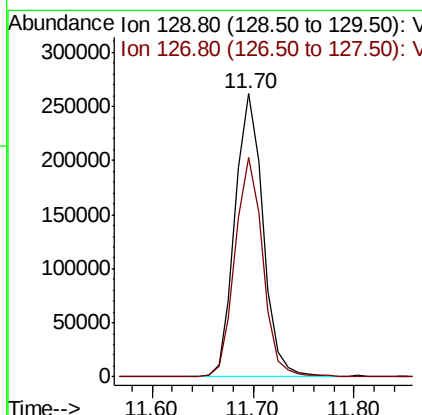
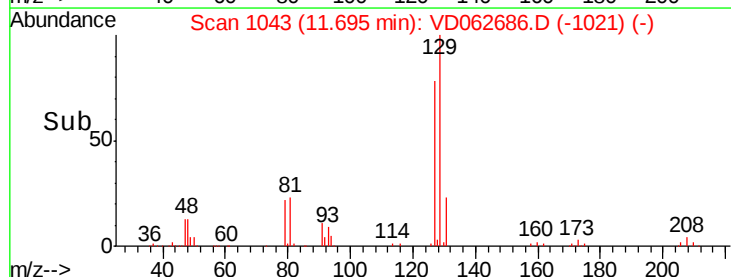
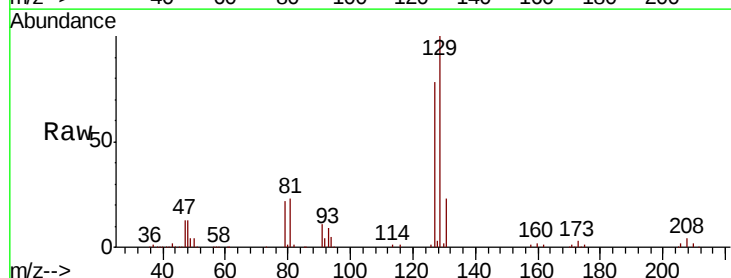
Instrument :
MSVOA_D
ClientSampleId :

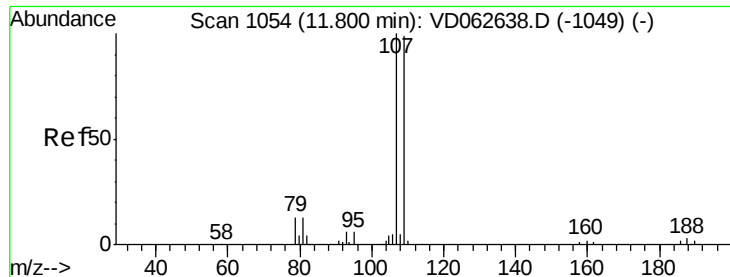
Tot Ion: 43 Resp: 872512
Ion Ratio Lower Upper
43 100
58 43.3 21.8 65.4



#60
Dibromochloromethane
Concen: 47.627 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 129 Resp: 506339
Ion Ratio Lower Upper
129 100
127 77.5 38.0 114.1

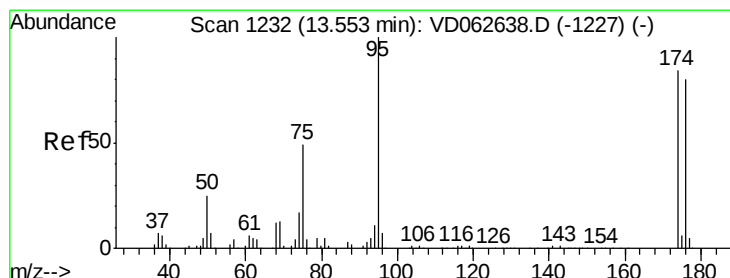
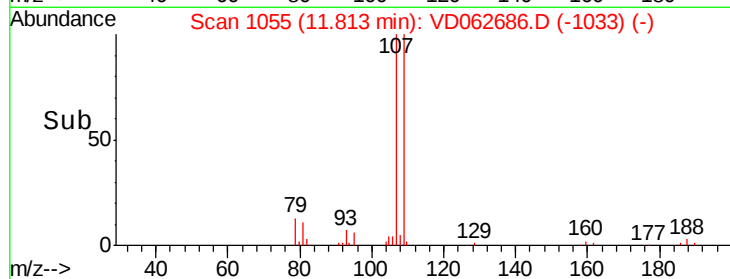
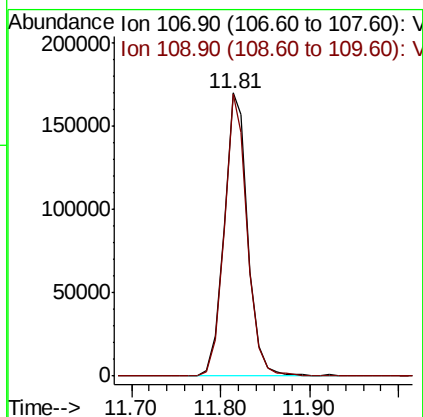
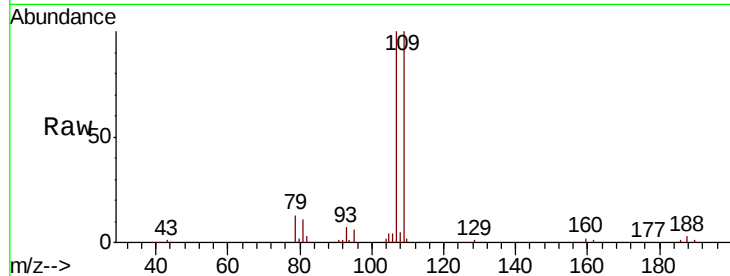




#61
1,2-Dibromoethane
Concen: 49.182 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

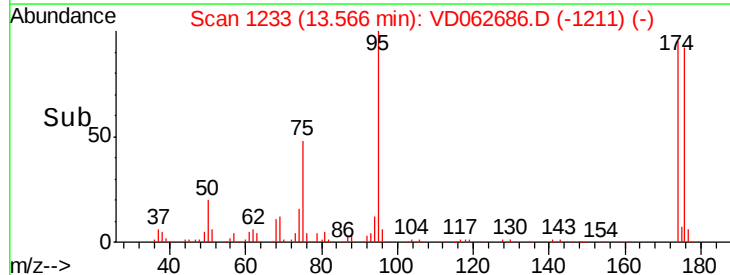
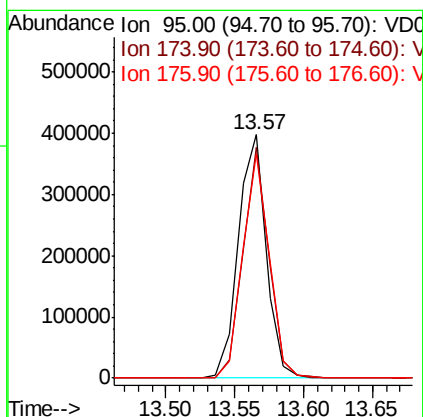
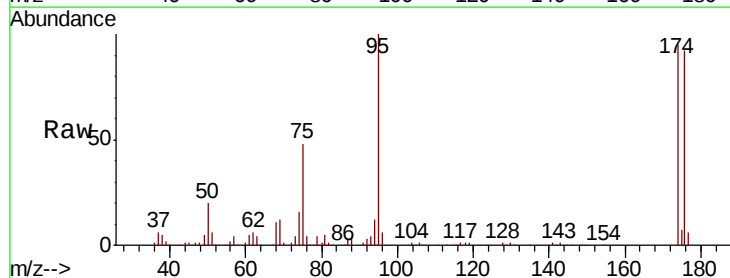
Instrument :
MSVOA_D
ClientSampleId :

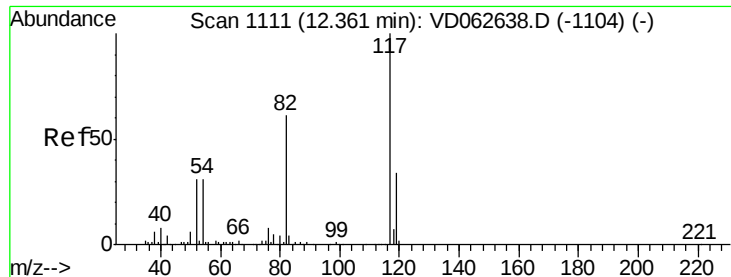
Tot Ion:107 Resp: 317007
Ion Ratio Lower Upper
107 100
109 99.6 79.2 118.8



#62
4-Bromofluorobenzene
Concen: 51.910 ug/l
RT: 13.57 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 95 Resp: 561615
Ion Ratio Lower Upper
95 100
174 94.6 0.0 167.0
176 92.4 0.0 159.2

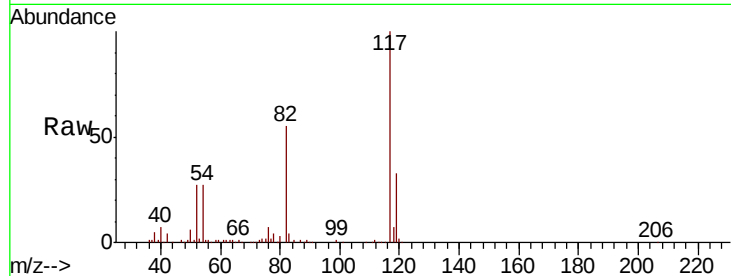




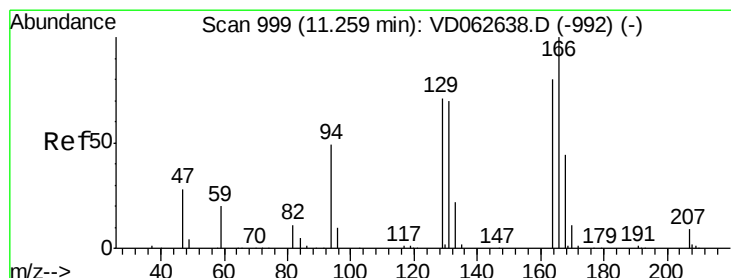
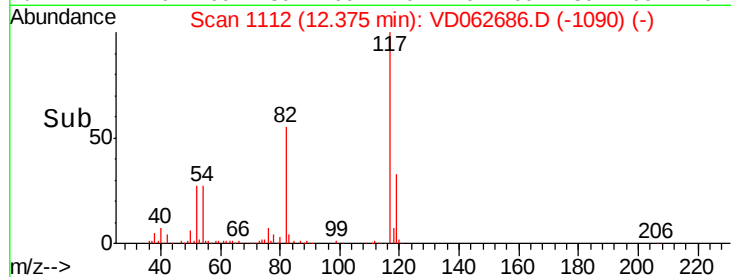
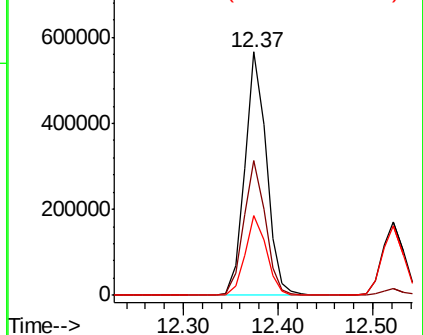
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	48.7	73.1
119	32.7	27.0	40.6

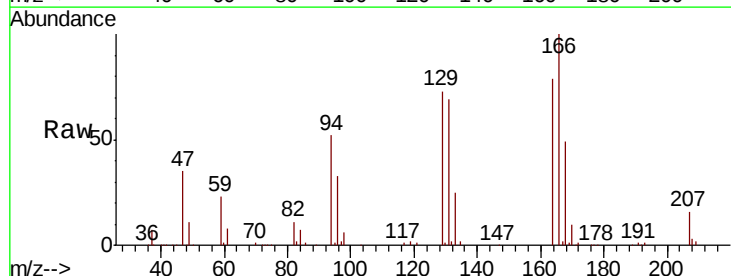


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

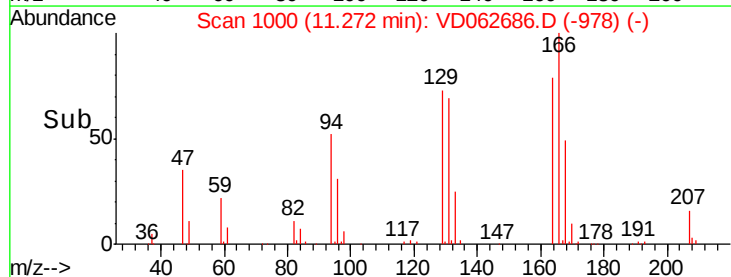
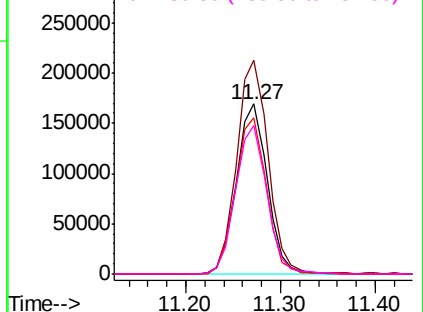


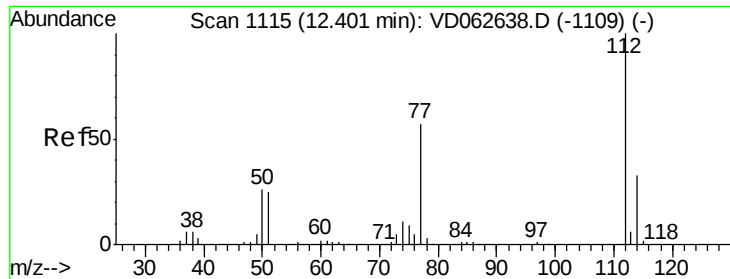
#64
Tetrachloroethene
Concen: 45.856 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	99.4	149.2
129	92.1	70.2	105.4
131	87.4	69.3	103.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.494 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

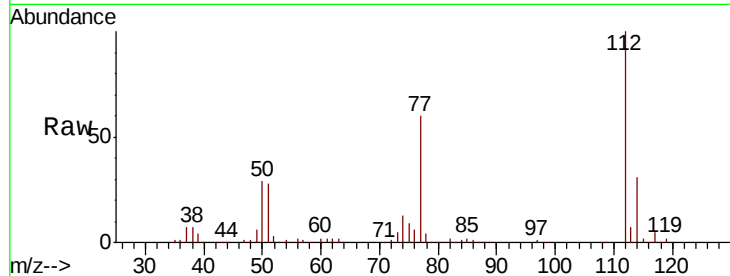
ClientSampled :

Tot Ion:112 Resp: 959451

Ion Ratio Lower Upper

112 100

114 31.3 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.40

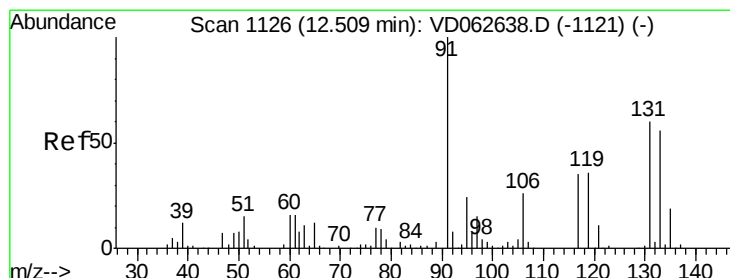
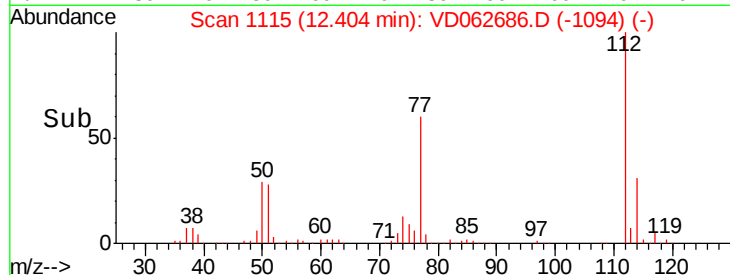
600000

400000

200000

0

Time--> 12.30 12.40 12.50



#66

1,1,1,2-Tetrachloroethane

Concen: 48.083 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

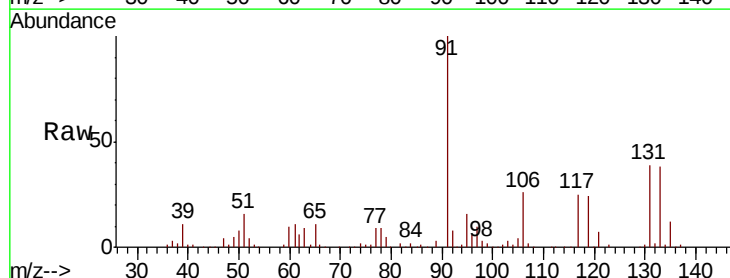
Tgt Ion:131 Resp: 453716

Ion Ratio Lower Upper

131 100

133 97.4 46.8 140.3

119 60.9 29.9 89.8



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

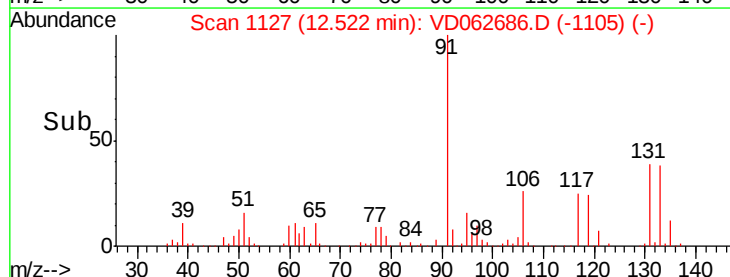
300000

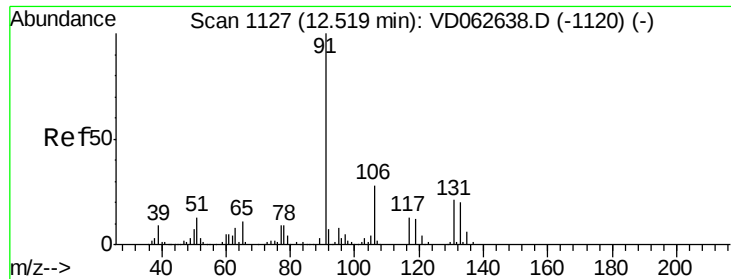
200000

100000

0

Time--> 12.40 12.50 12.60 12.70

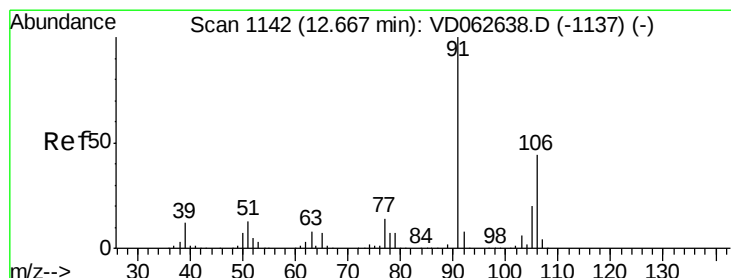
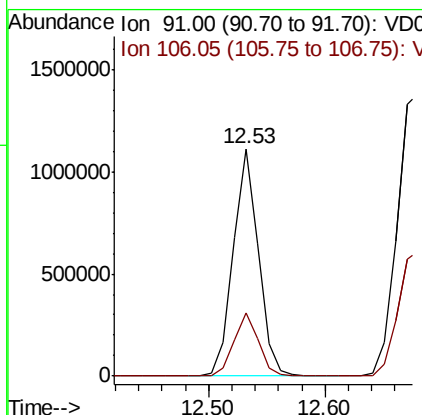
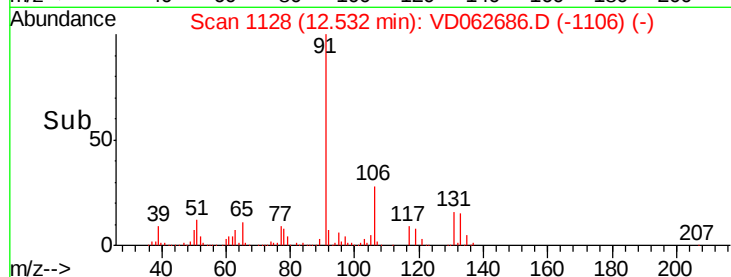
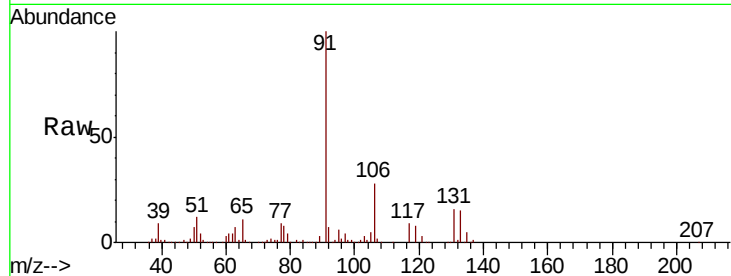




#67
Ethyl Benzene
Concen: 47.671 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

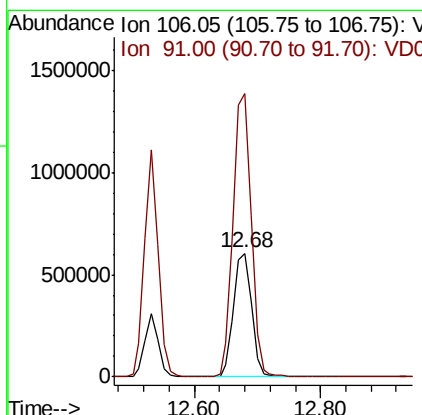
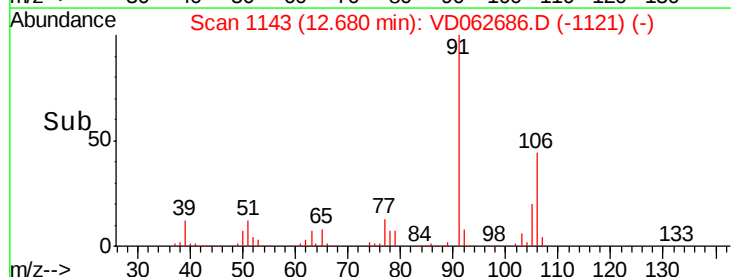
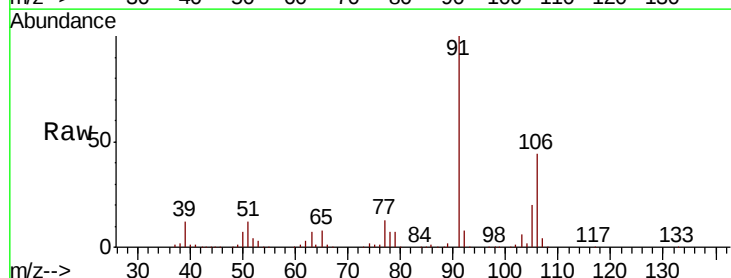
Instrument :
MSVOA_D
ClientSampled :

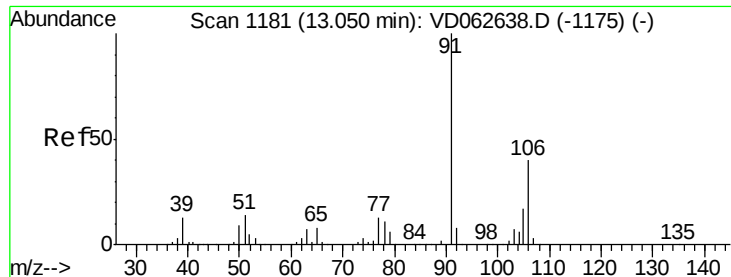
Tot Ion: 91 Resp: 1672253
Ion Ratio Lower Upper
91 100
106 27.7 22.1 33.1



#68
m/p-Xylenes
Concen: 96.932 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion: 106 Resp: 1195381
Ion Ratio Lower Upper
106 100
91 228.5 180.2 270.4

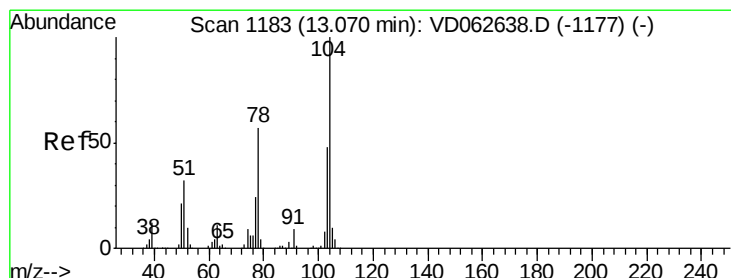
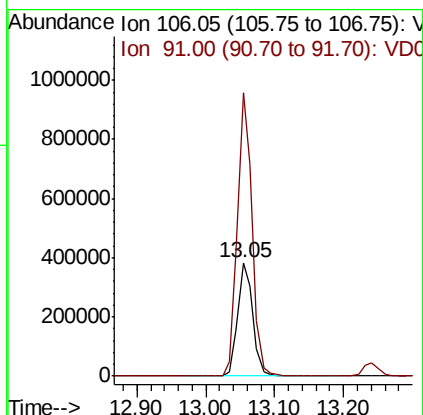
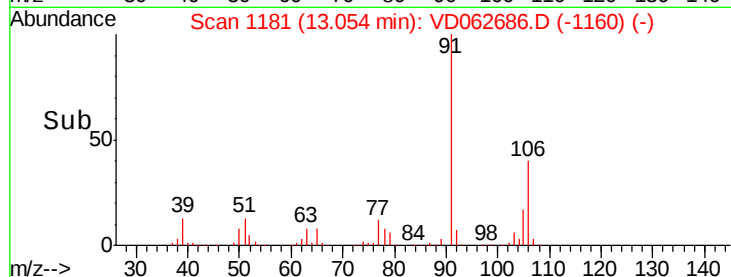
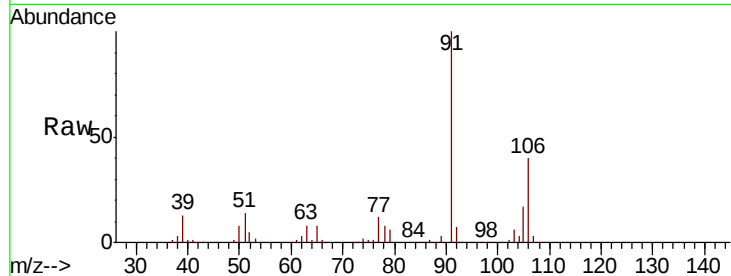




#69
o-Xylene
Concen: 50.805 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

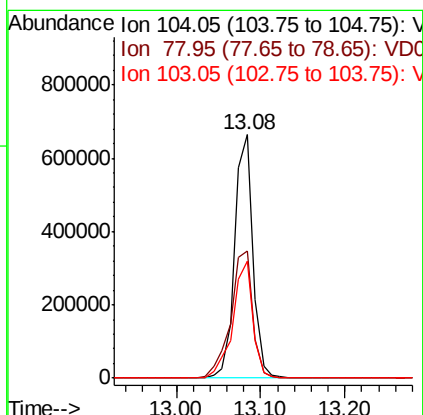
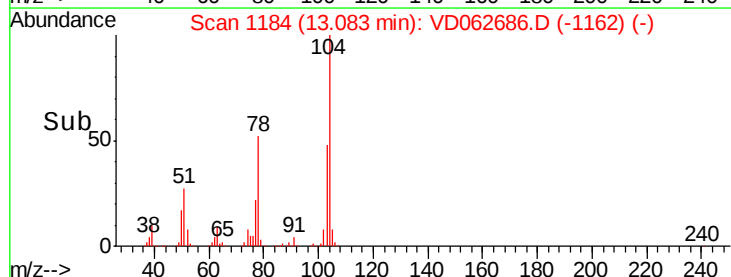
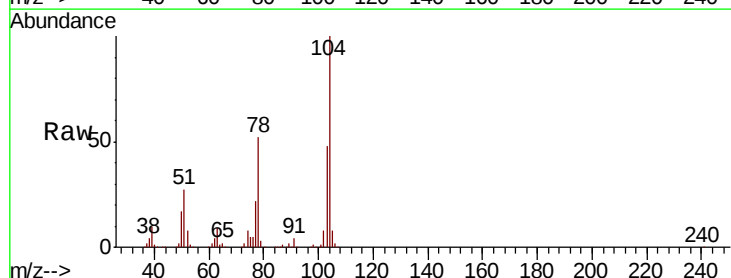
Instrument :
MSVOA_D
ClientSampled :

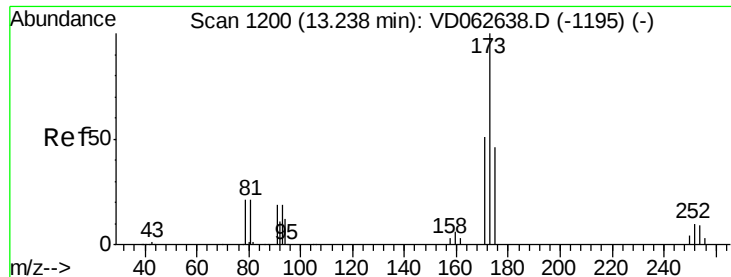
Tot Ion:106 Resp: 575413
Ion Ratio Lower Upper
106 100
91 249.5 124.1 372.1



#70
Styrene
Concen: 49.422 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion:104 Resp: 998747
Ion Ratio Lower Upper
104 100
78 52.2 45.9 68.9
103 47.8 38.4 57.6





#71

Bromoform

Concen: 44.431 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

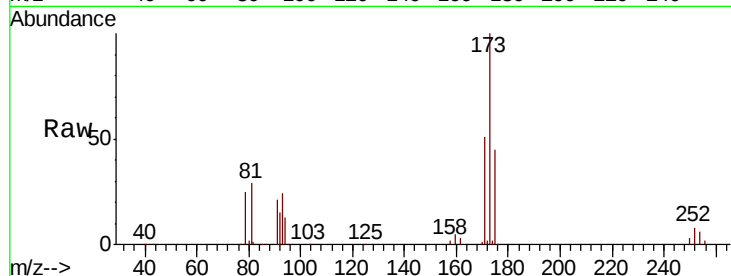
Tot Ion:173 Resp: 319203

Ion Ratio Lower Upper

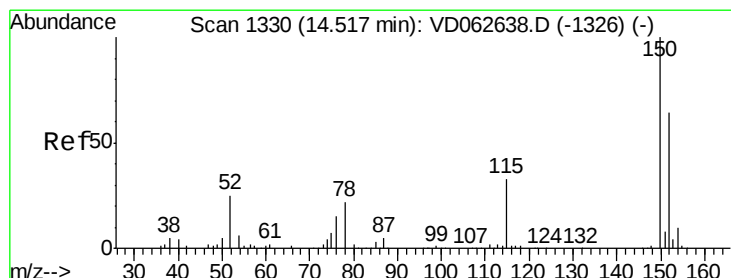
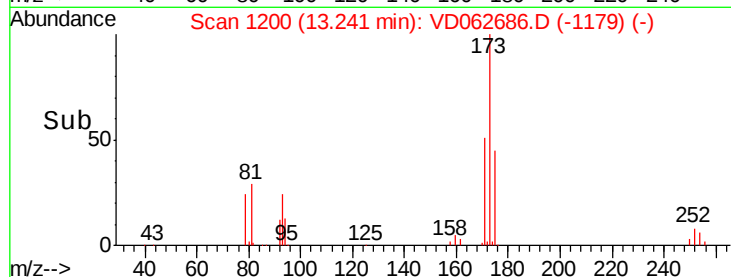
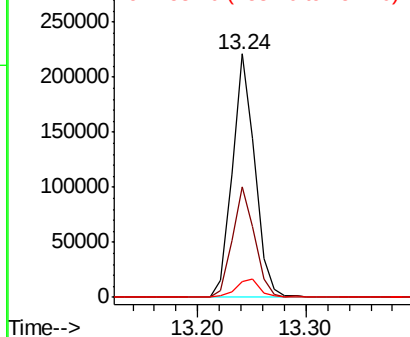
173 100

175 45.4 22.9 68.7

254 6.4 7.0 10.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

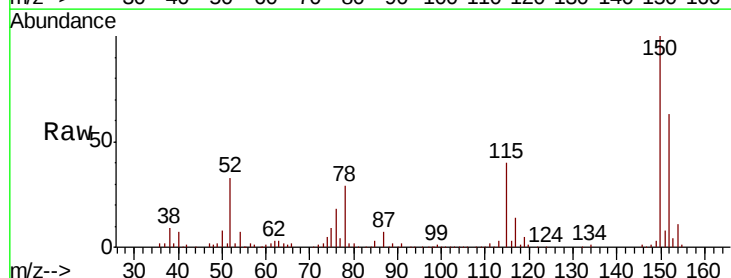
Tgt Ion:152 Resp: 464210

Ion Ratio Lower Upper

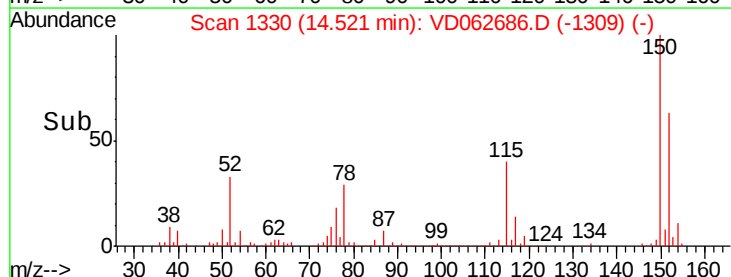
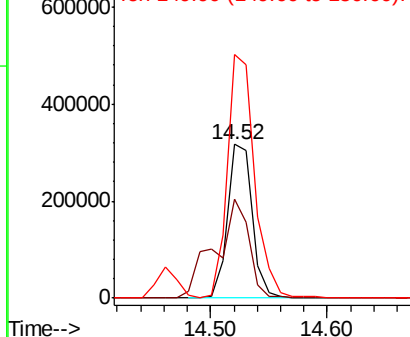
152 100

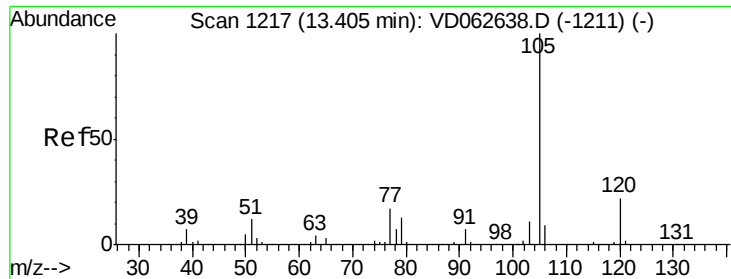
115 64.0 30.1 90.5

150 158.3 0.0 314.0



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: 52.297 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

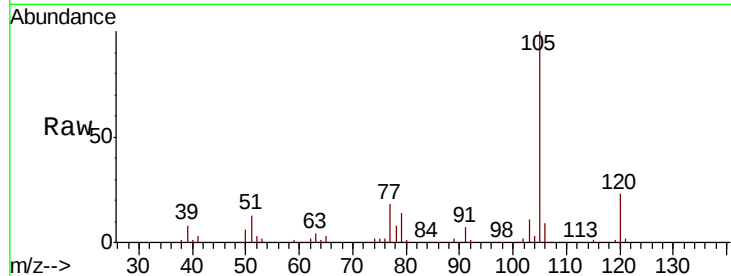
ClientSampleId :

Tot Ion:105 Resp: 1711139

Ion Ratio Lower Upper

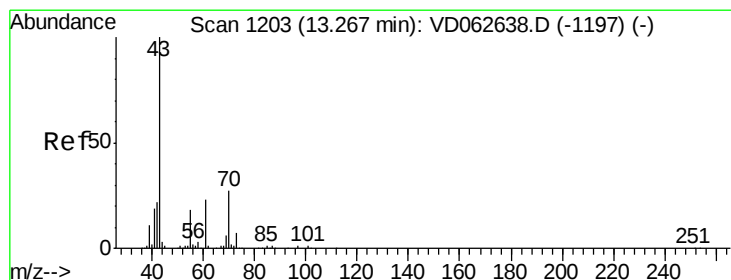
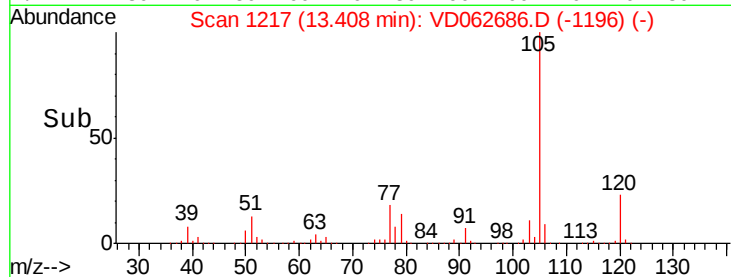
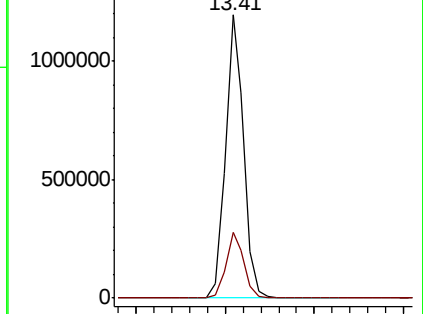
105 100

120 23.1 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.217 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Tgt Ion: 43 Resp: 435216

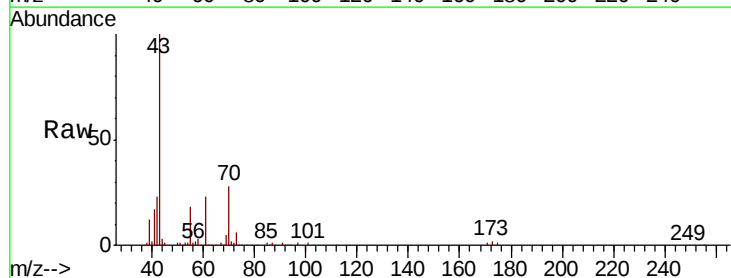
Ion Ratio Lower Upper

43 100

70 27.6 21.8 32.8

55 18.0 14.6 21.8

61 22.7 18.4 27.6

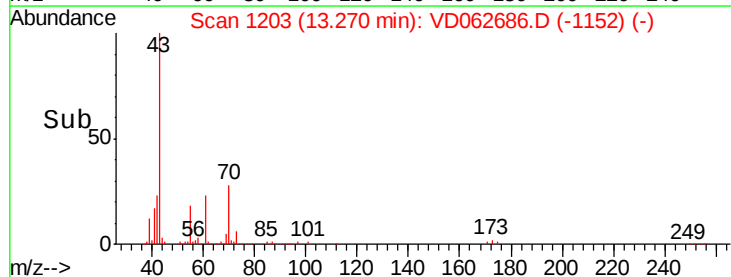
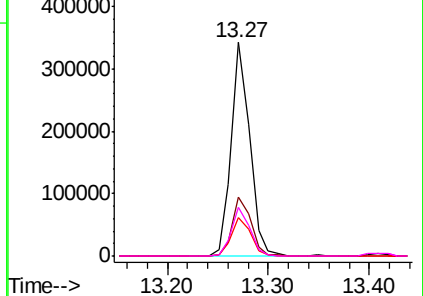


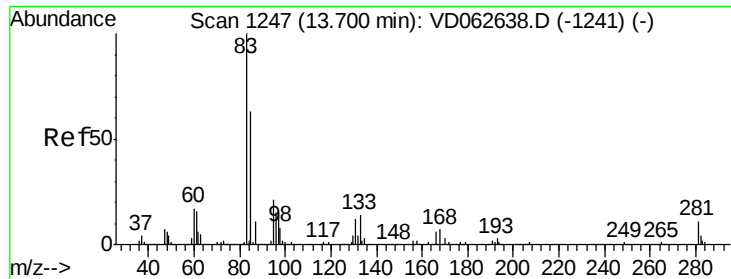
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.743 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

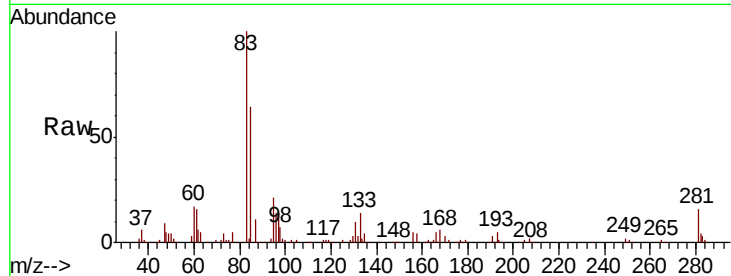
Tot Ion: 83 Resp: 295287

Ion Ratio Lower Upper

83 100

131 10.3 5.9 17.7

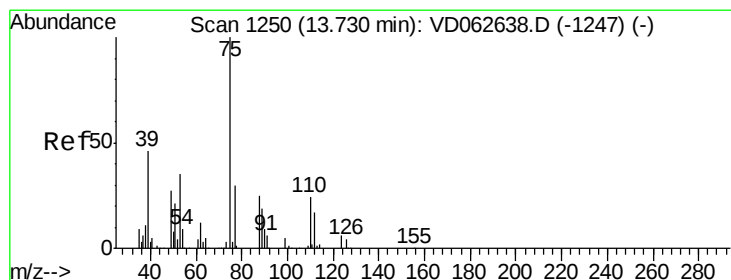
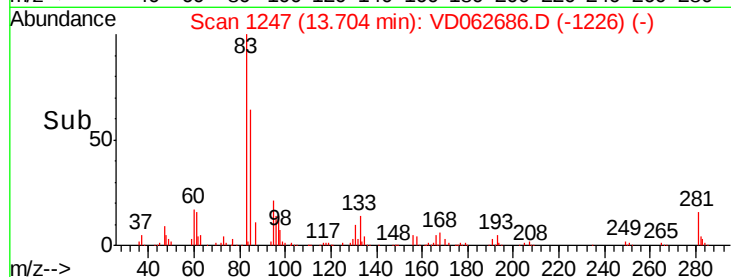
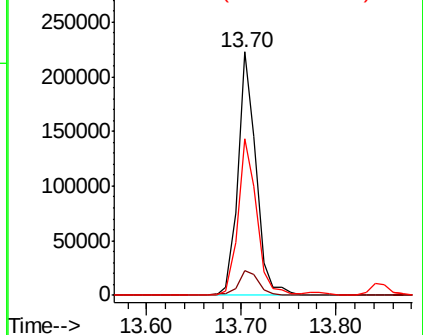
85 64.5 31.3 93.9



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 53.605 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062686.D

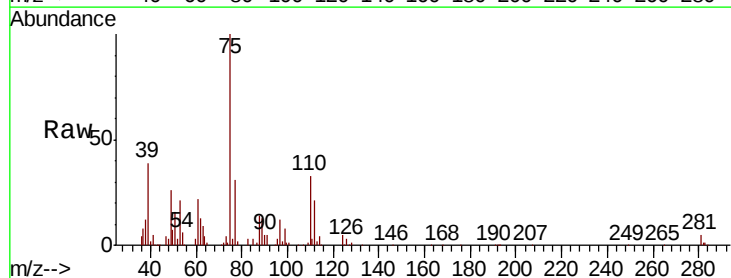
Acq: 13 Jun 2019 11:16

Tgt Ion: 75 Resp: 337405

Ion Ratio Lower Upper

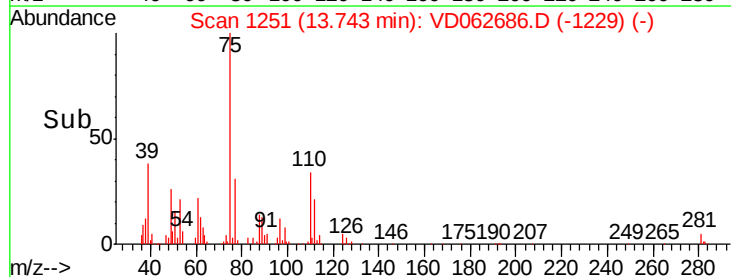
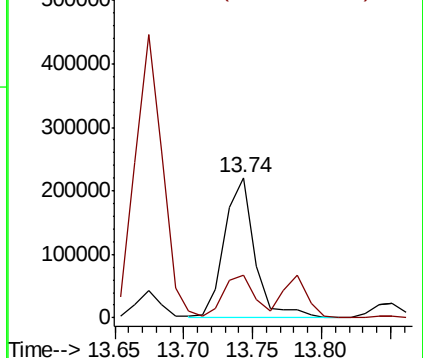
75 100

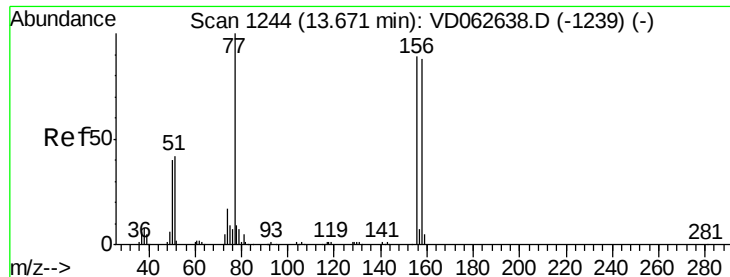
77 30.8 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.327 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

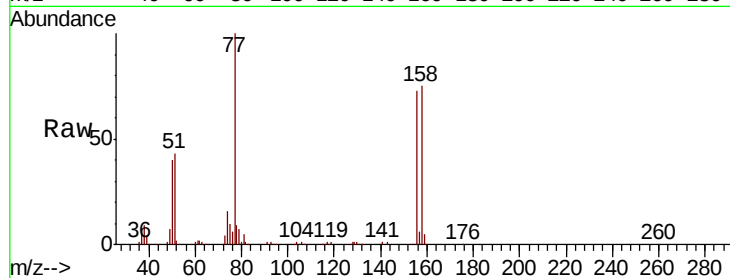
Tot Ion:156 Resp: 470652

Ion Ratio Lower Upper

156 100

77 136.4 56.3 168.8

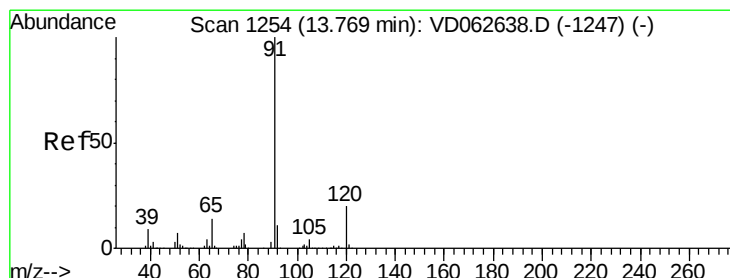
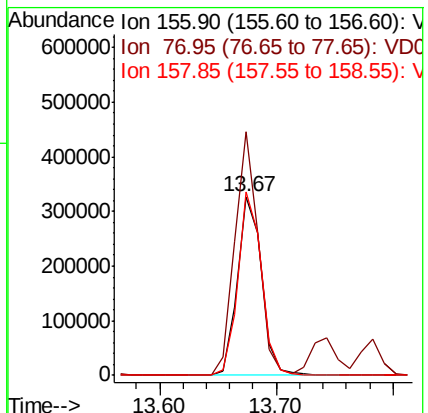
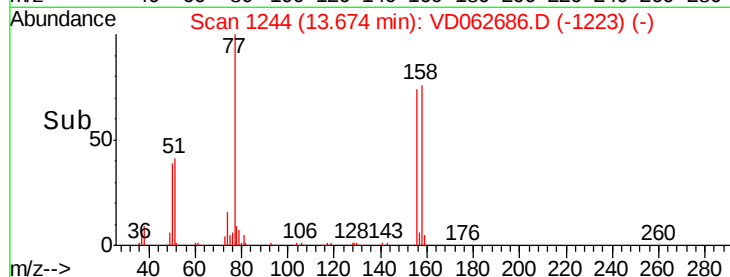
158 102.6 49.6 148.8



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: 48.456 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062686.D

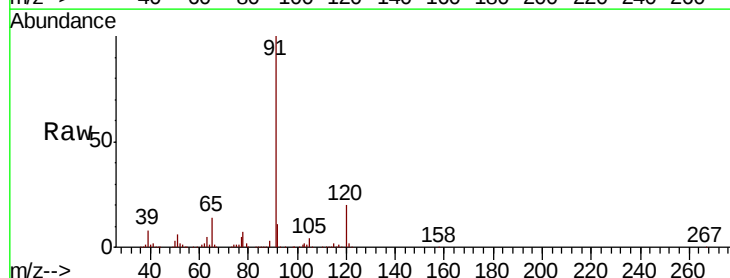
Acq: 13 Jun 2019 11:16

Tgt Ion: 91 Resp: 1940703

Ion Ratio Lower Upper

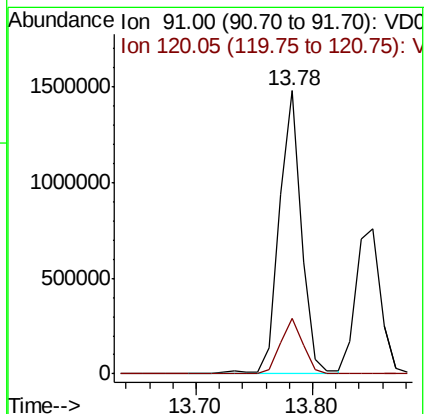
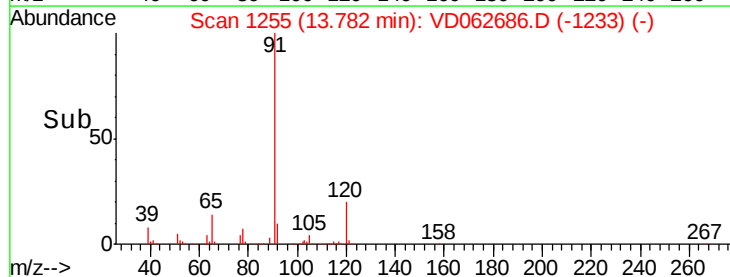
91 100

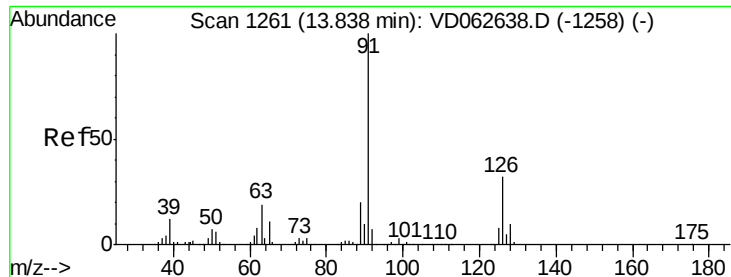
120 19.8 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.077 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

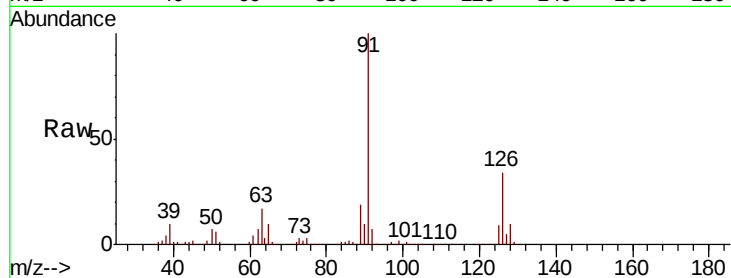
ClientSampled :

Tot Ion: 91 Resp: 1127432

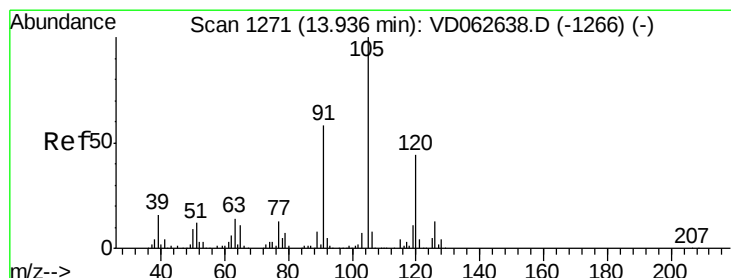
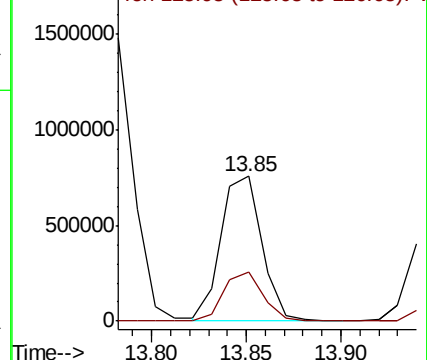
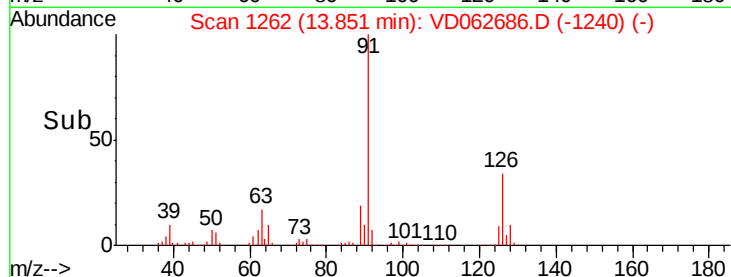
Ion Ratio Lower Upper

91 100

126 33.8 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VD062686.D (-1240) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.607 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062686.D

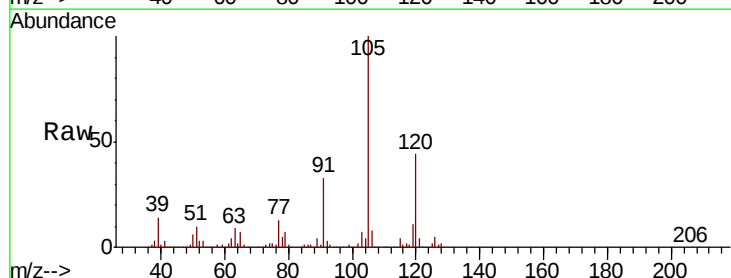
Acq: 13 Jun 2019 11:16

Tgt Ion: 105 Resp: 1492340

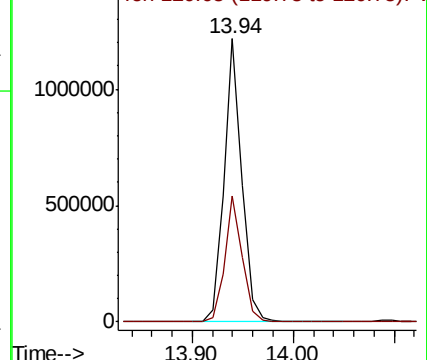
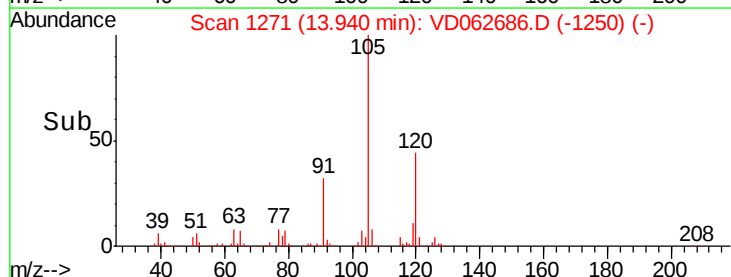
Ion Ratio Lower Upper

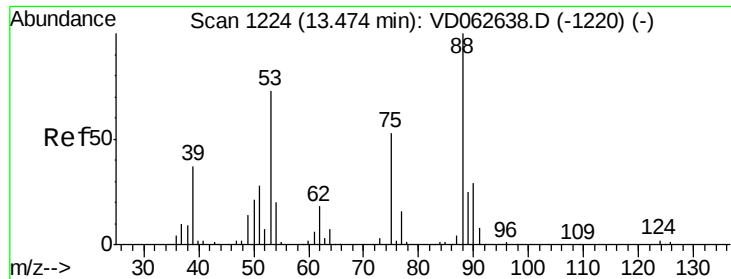
105 100

120 44.3 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062686.D (-1250) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.817 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

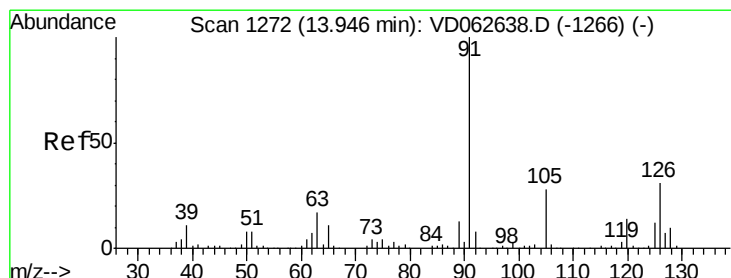
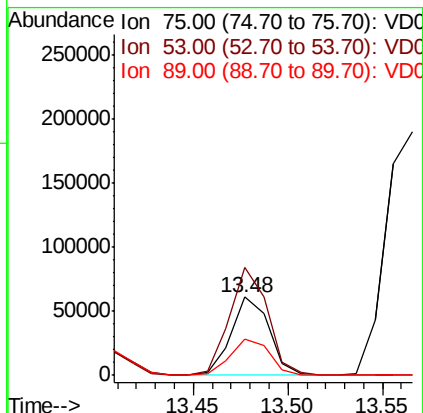
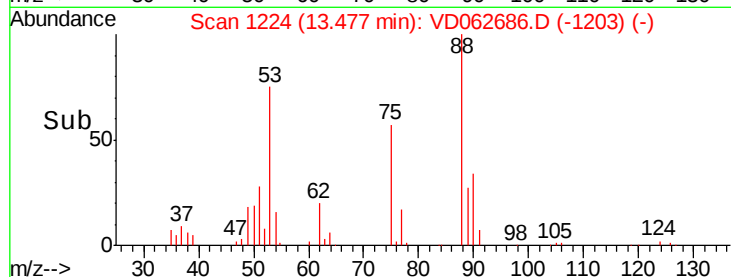
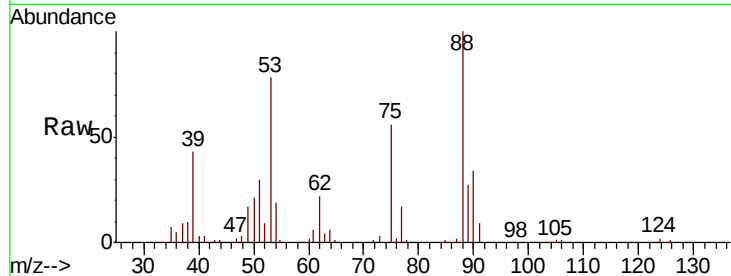
Tot Ion: 75 Resp: 84863

Ion Ratio Lower Upper

75 100

53 138.2 109.4 164.2

89 47.2 37.0 55.6



#82

4-Chlorotoluene

Concen: 51.738 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062686.D

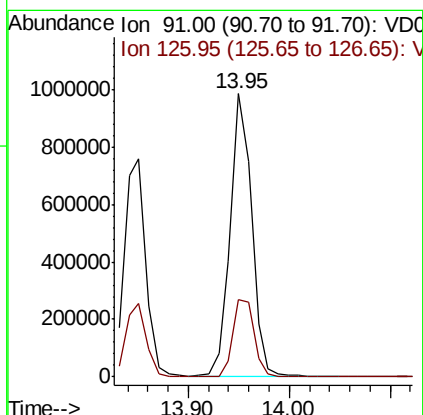
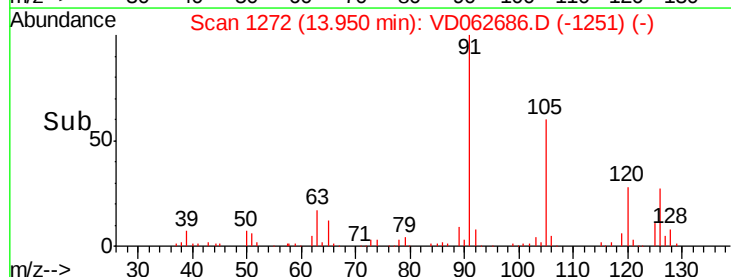
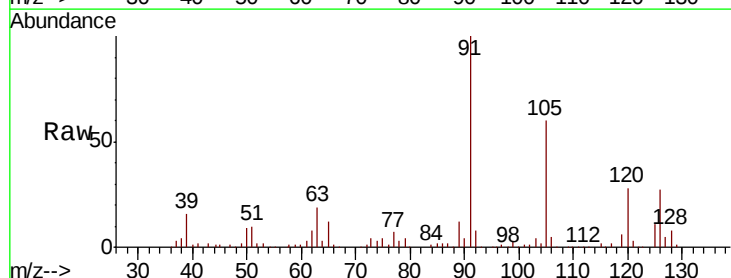
Acq: 13 Jun 2019 11:16

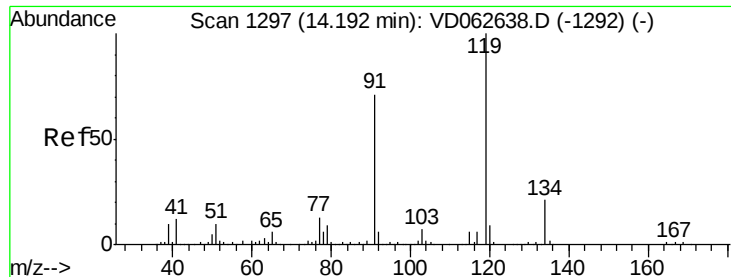
Tgt Ion: 91 Resp: 1450947

Ion Ratio Lower Upper

91 100

126 27.2 15.6 46.8

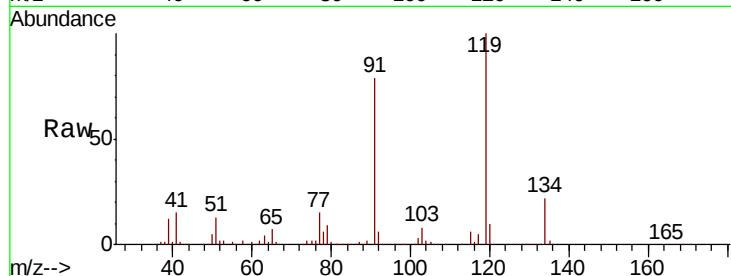




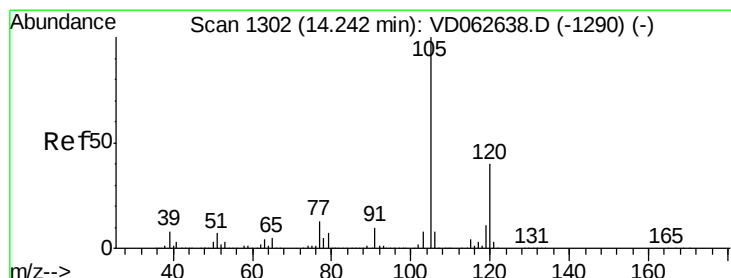
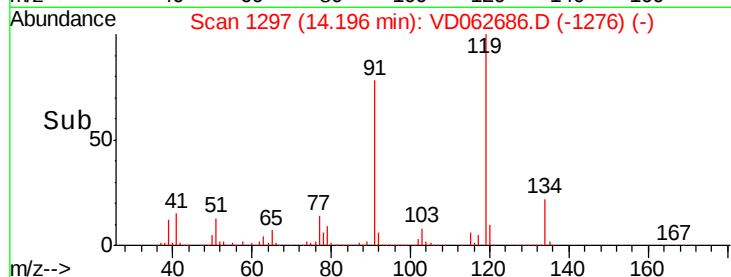
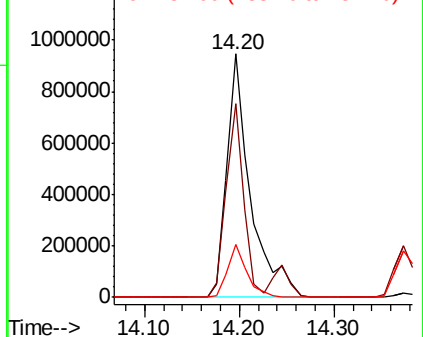
#83
tert-Butylbenzene
Concen: 50.948 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 1624944
Ion Ratio Lower Upper
119 100
91 79.3 35.4 106.1
134 21.9 10.8 32.3

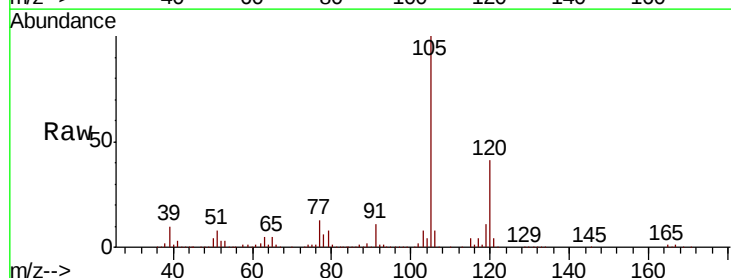


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

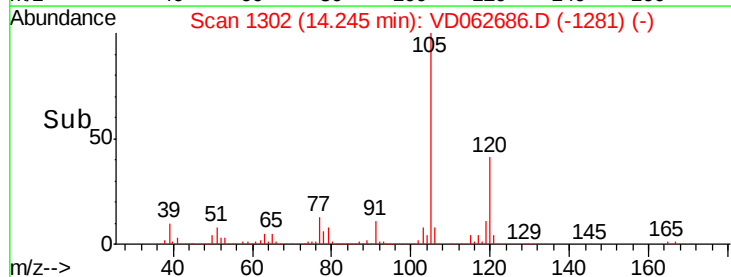
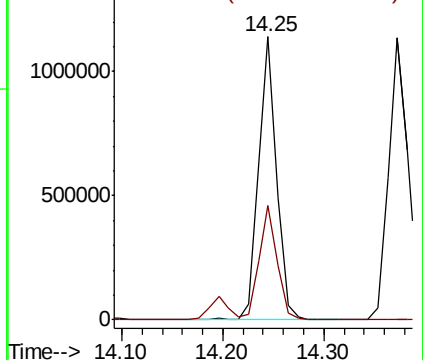


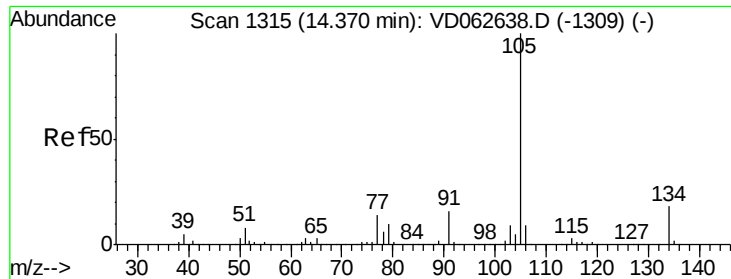
#84
1,2,4-Trimethylbenzene
Concen: 50.205 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion:105 Resp: 1437452
Ion Ratio Lower Upper
105 100
120 40.6 20.3 60.8



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

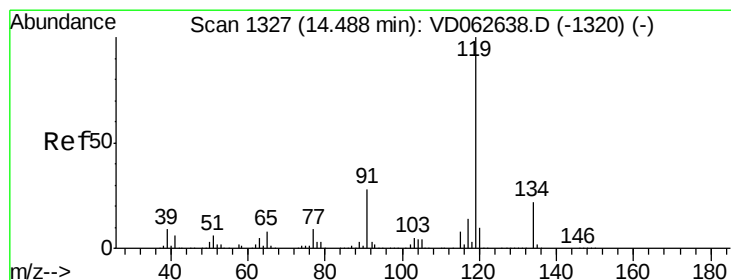
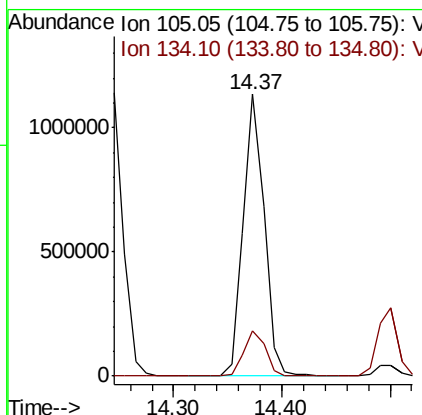
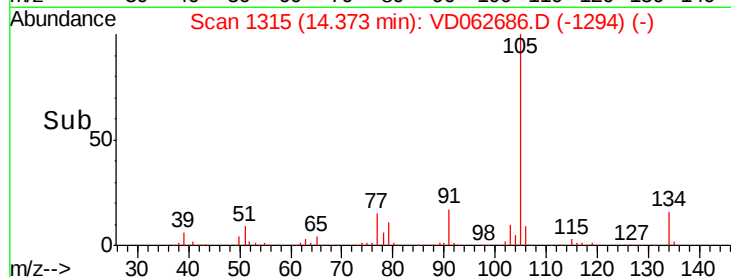
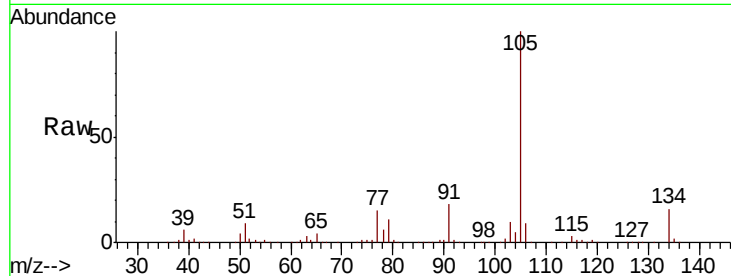




#85
 sec-Butylbenzene
 Concen: 45.582 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

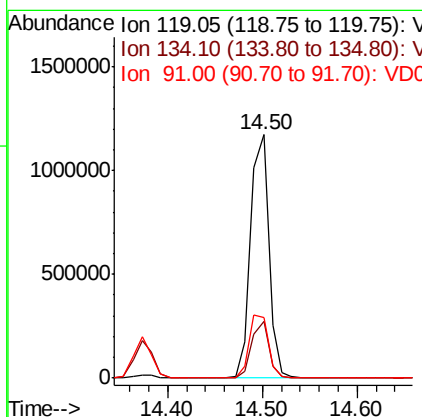
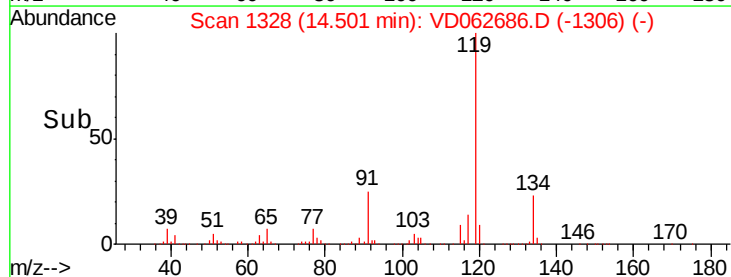
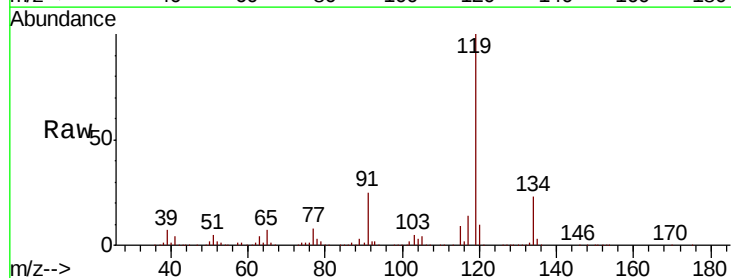
Instrument :
 MSVOA_D
 ClientSampled :

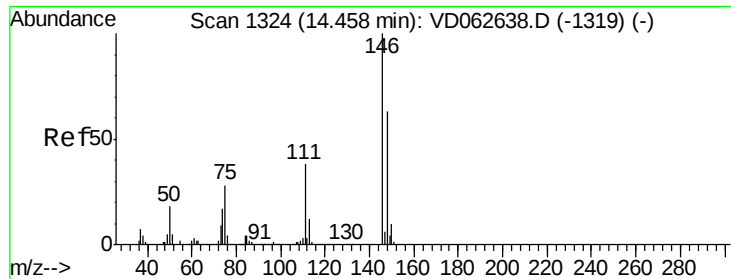
Tot Ion:105 Resp: 1524462
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 48.523 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Tgt Ion:119 Resp: 1580031
 Ion Ratio Lower Upper
 119 100
 134 23.3 10.9 32.6
 91 24.9 13.9 41.6





#87

1,3-Dichlorobenzene

Concen: 49.862 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

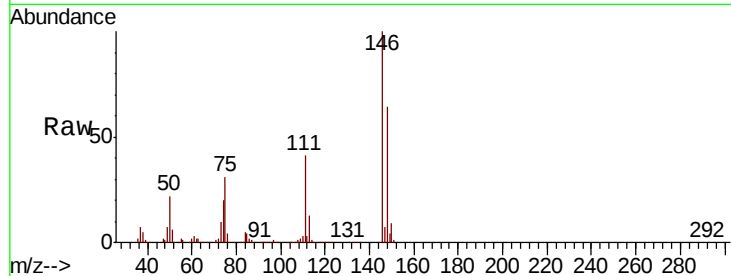
Tot Ion:146 Resp: 844752

Ion Ratio Lower Upper

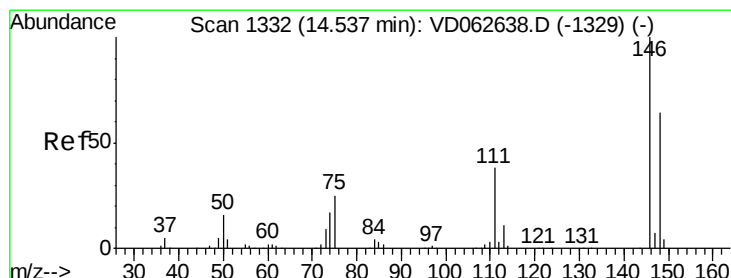
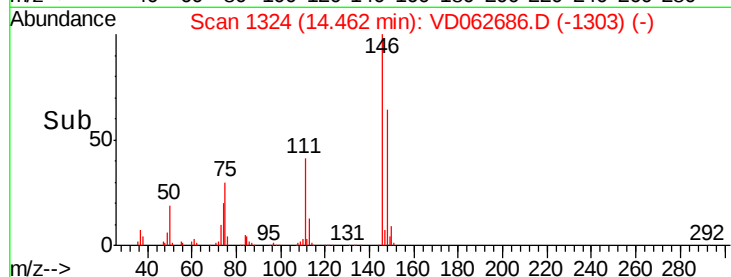
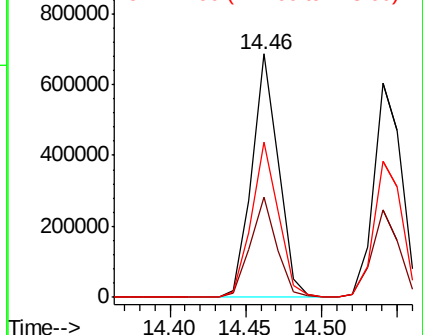
146 100

111 41.3 19.2 57.6

148 63.9 31.6 95.0



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: 48.878 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

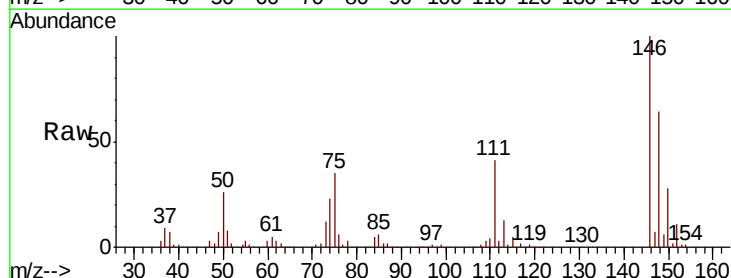
Tgt Ion:146 Resp: 782588

Ion Ratio Lower Upper

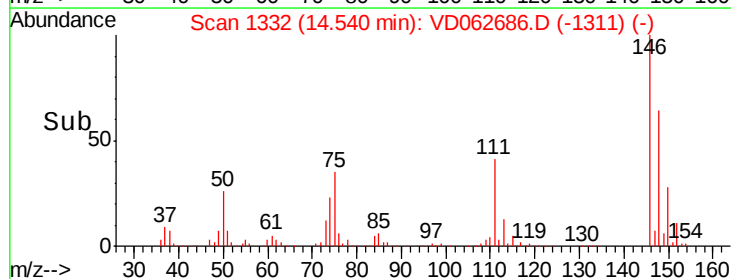
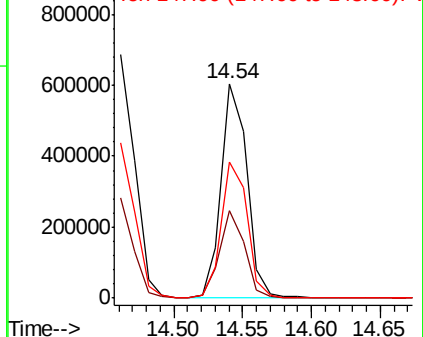
146 100

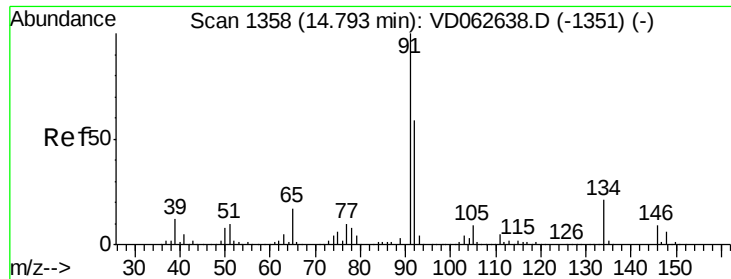
111 40.5 18.9 56.7

148 63.5 32.3 96.8



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





#89

n-Butylbenzene

Concen: 49.950 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062686.D

Acq: 13 Jun 2019 11:16

Instrument :

MSVOA_D

ClientSampleId :

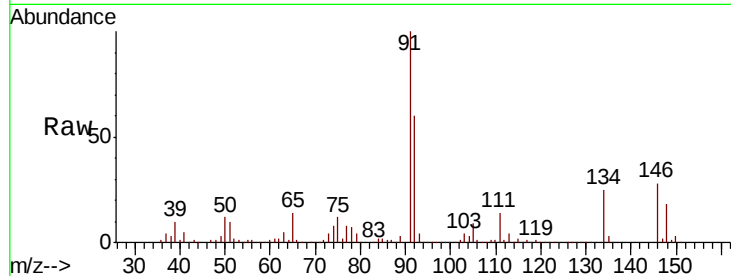
Tot Ion: 91 Resp: 1463265

Ion Ratio Lower Upper

91 100

92 59.8 29.4 88.3

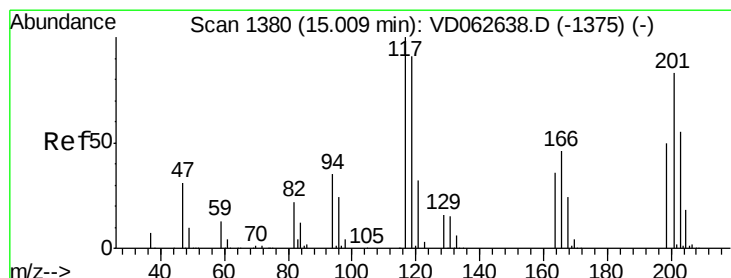
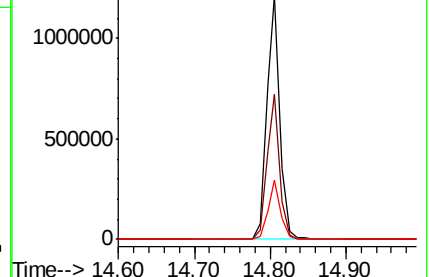
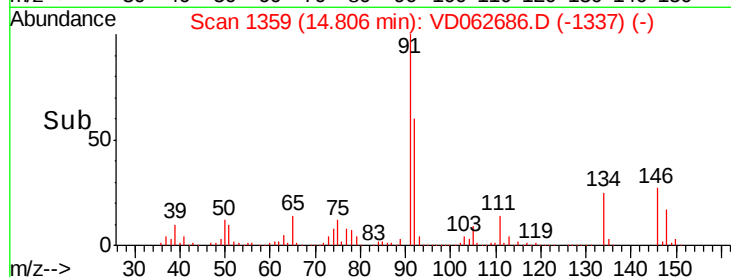
134 24.6 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 47.788 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062686.D

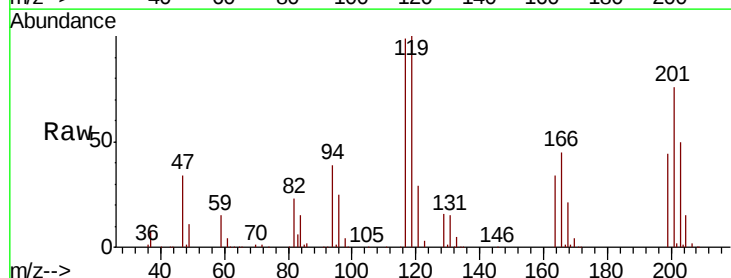
Acq: 13 Jun 2019 11:16

Tgt Ion: 117 Resp: 410810

Ion Ratio Lower Upper

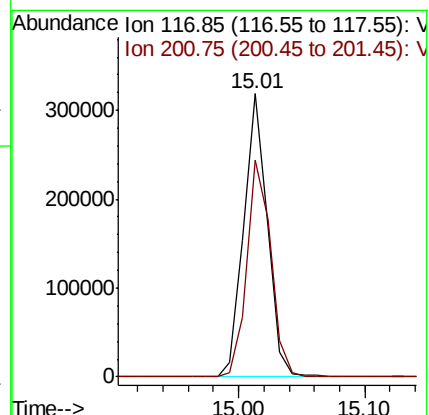
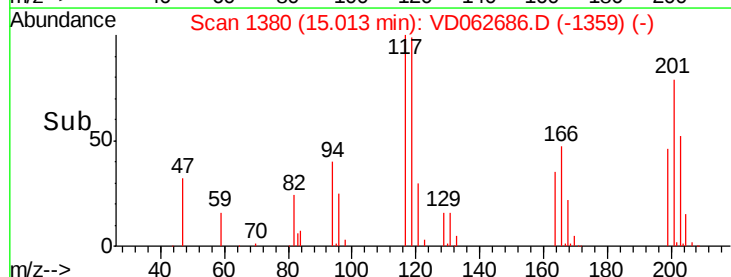
117 100

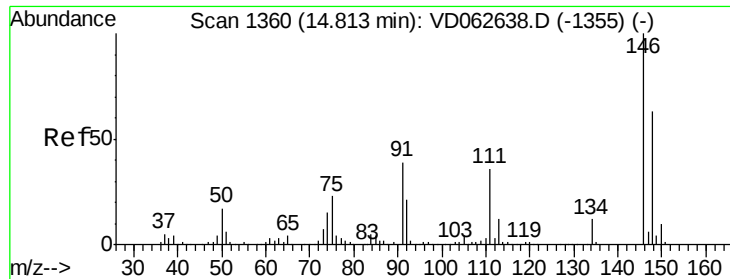
201 76.5 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

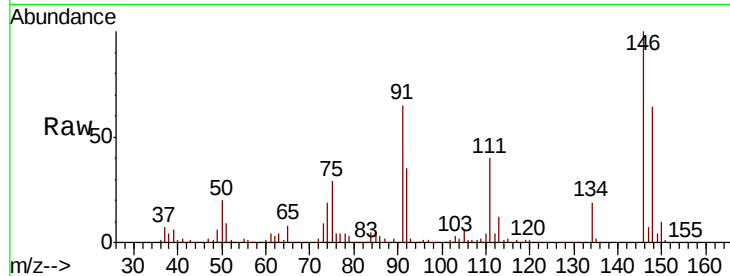




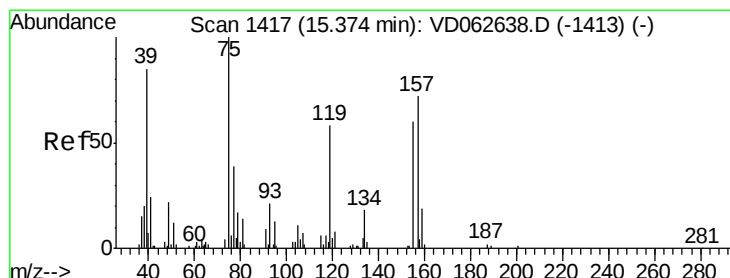
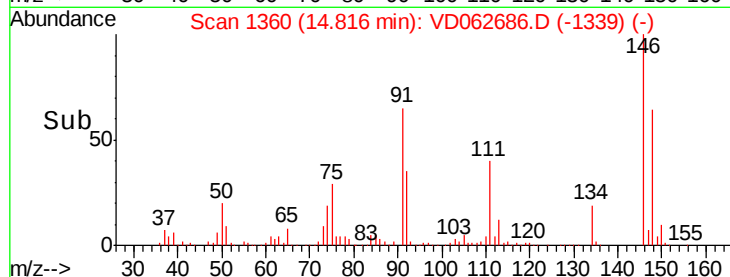
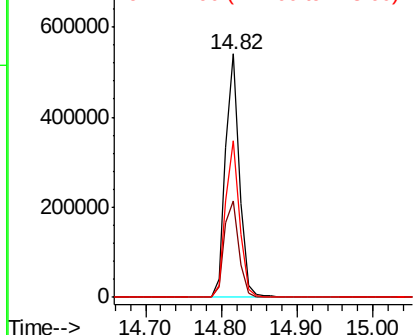
#91
 1,2-Dichlorobenzene
 Concen: 48.991 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 689940
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.1 54.3
 148 64.3 31.4 94.0

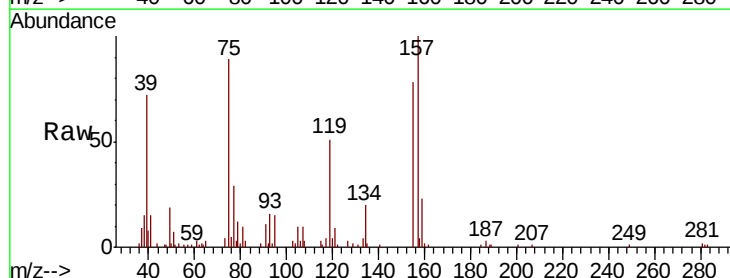


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

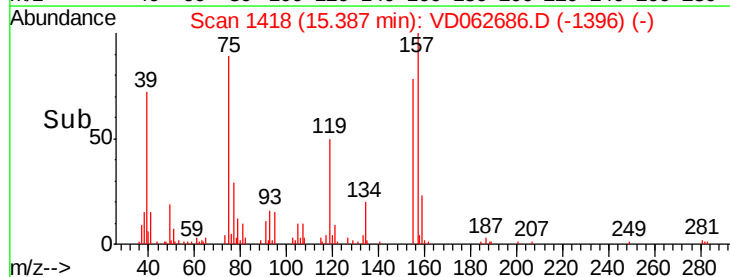
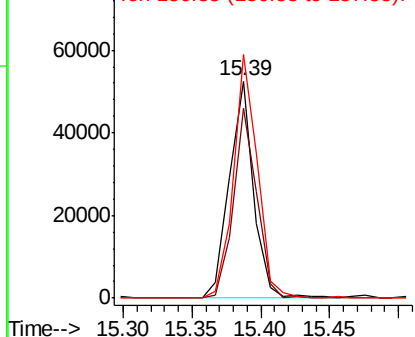


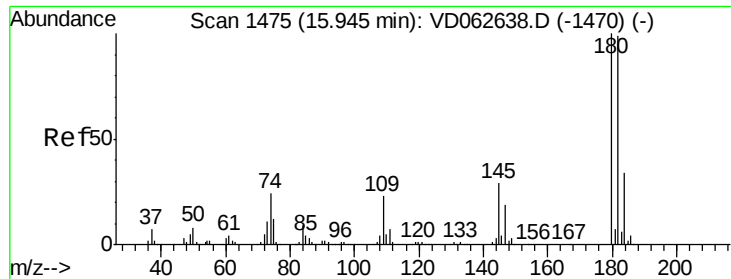
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.422 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Tgt Ion: 75 Resp: 63886
 Ion Ratio Lower Upper
 75 100
 155 87.3 30.1 90.5
 157 112.2 35.9 107.8#



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

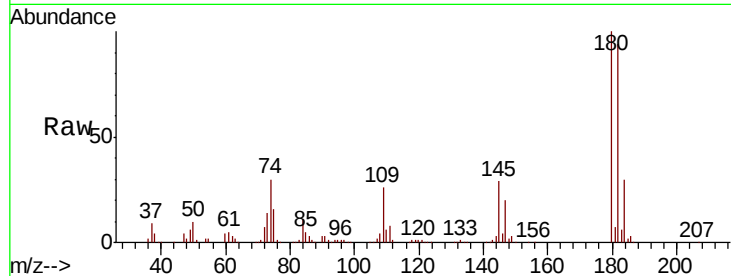




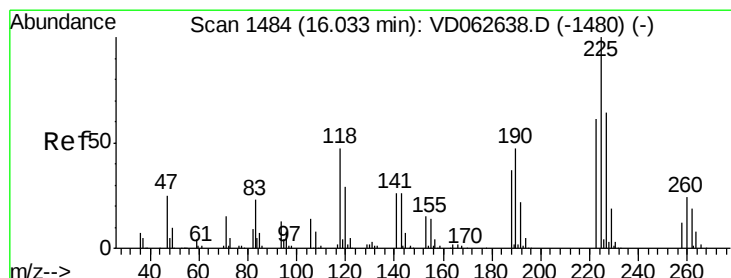
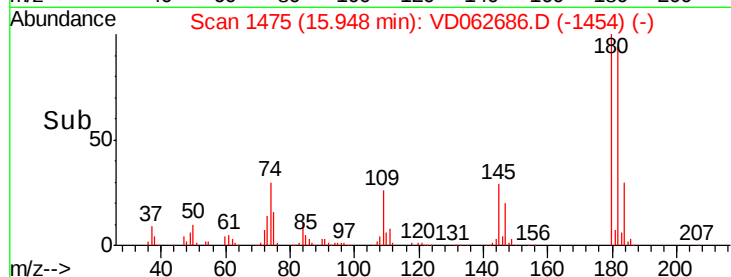
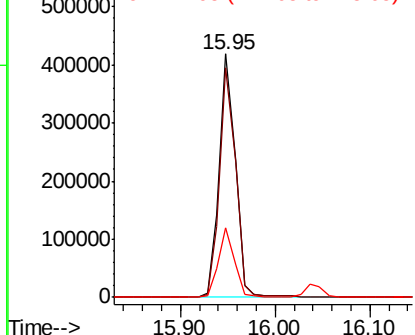
#93
 1,2,4-Trichlorobenzene
 Concen: 42.338 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 498771
 Ion Ratio Lower Upper
 180 100
 182 94.2 49.4 148.2
 145 28.7 14.5 43.6

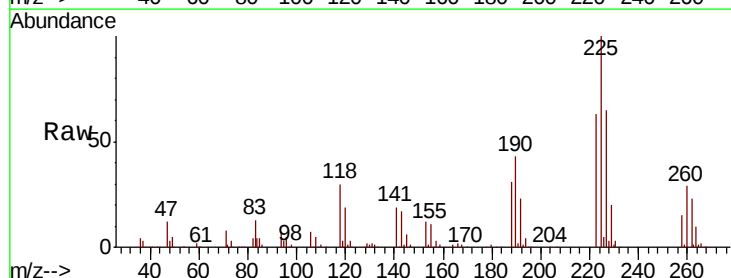


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

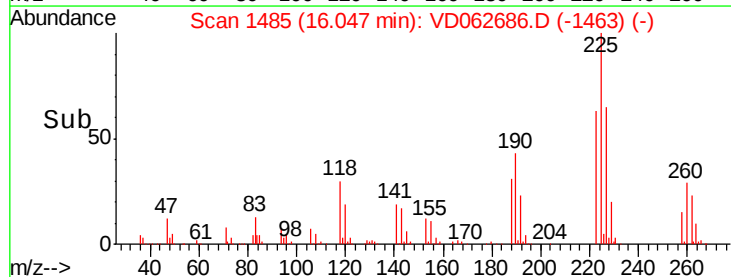
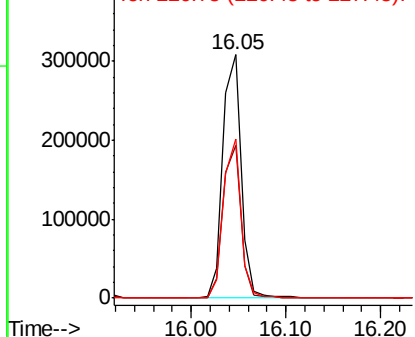


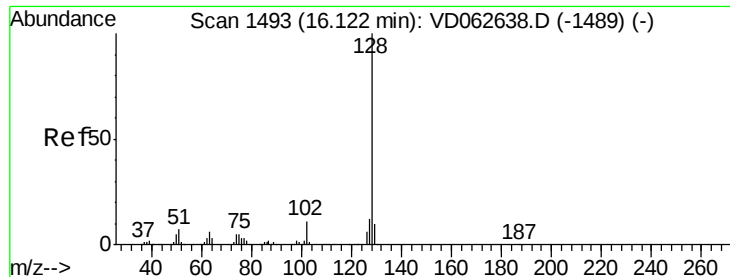
#94
 Hexachlorobutadiene
 Concen: 50.163 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062686.D
 Acq: 13 Jun 2019 11:16

Tgt Ion:225 Resp: 417094
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.3 91.0
 227 65.2 31.8 95.4



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

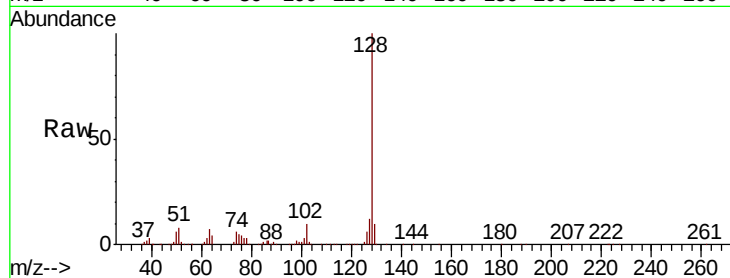




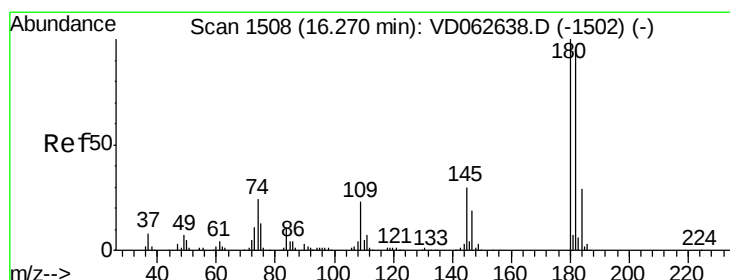
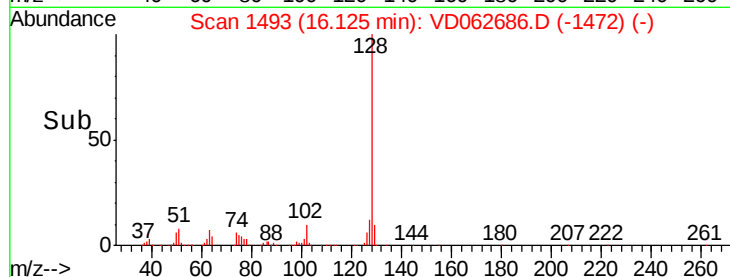
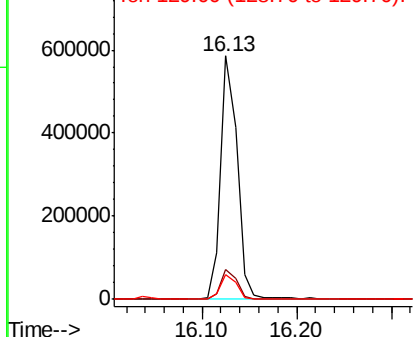
#95
Naphthalene
Concen: 42.988 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 715330
Ion Ratio Lower Upper
128 100
127 12.2 9.7 14.5
129 10.2 8.1 12.1

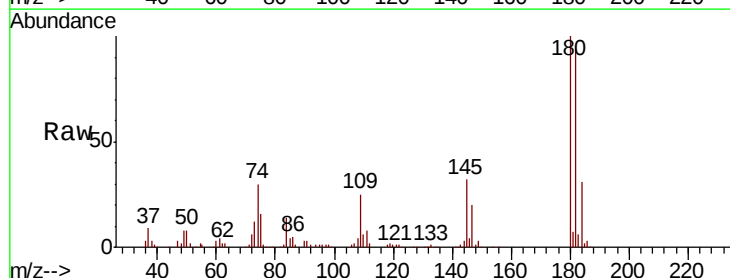


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.511 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062686.D
Acq: 13 Jun 2019 11:16

Tgt Ion:180 Resp: 425953
Ion Ratio Lower Upper
180 100
182 93.9 47.7 143.1
145 31.5 15.0 45.0



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

