

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062779.D
 Acq On : 19 Jun 2019 15:12
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 20 01:37:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	880133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1208903	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1020726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	516592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	186440	19.47	ug/l	0.00
Spiked Amount			Recovery	=	38.94%	
35) Dibromofluoromethane	6.93	113	194959	19.13	ug/l	0.00
Spiked Amount			Recovery	=	38.26%	
50) Toluene-d8	10.41	98	404722	18.24	ug/l	0.00
Spiked Amount			Recovery	=	36.48%	
62) 4-Bromofluorobenzene	13.56	95	197906	19.62	ug/l	0.00
Spiked Amount			Recovery	=	39.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	236391	20.735	ug/l	92
3) Chloromethane	1.74	50	178202	20.784	ug/l	91
4) Vinyl Chloride	1.84	62	166446	19.580	ug/l	97
5) Bromomethane	2.14	94	69368	17.425	ug/l	95
6) Chloroethane	2.25	64	65887	17.119	ug/l	95
7) Trichlorofluoromethane	2.52	101	326414	18.973	ug/l	98
8) Diethyl Ether	2.86	74	38862	17.779	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	177020	18.994	ug/l	96
10) Methyl Iodide	3.29	142	224239	18.239	ug/l #	97
11) Tert butyl alcohol	4.09	59	41600	95.376	ug/l	98
12) 1,1-Dichloroethene	3.12	96	134735	19.271	ug/l	91
13) Acrolein	3.03	56	39870	89.544	ug/l #	81
14) Allyl chloride	3.61	41	181893	17.626	ug/l	99
15) Acrylonitrile	4.20	53	90816	88.621	ug/l	88
16) Acetone	3.23	43	177128	82.655	ug/l #	93
17) Carbon Disulfide	3.36	76	428615	19.208	ug/l	97
18) Methyl Acetate	3.65	43	50498	17.469	ug/l #	89
19) Methyl tert-butyl Ether	4.23	73	274072	18.108	ug/l	95
20) Methylene Chloride	3.81	84	131717	18.035	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	137004	18.404	ug/l	97
22) Diisopropyl ether	5.13	45	383980	18.277	ug/l	99
23) Vinyl Acetate	5.06	43	1227149	93.162	ug/l	100
24) 1,1-Dichloroethane	4.99	63	245633	17.958	ug/l	97
25) 2-Butanone	6.08	43	164529	91.869	ug/l	94
26) 2,2-Dichloropropane	6.02	77	265136	18.287	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	142011	18.039	ug/l	90
28) Bromochloromethane	6.43	49	101441	21.056	ug/l	81
29) Tetrahydrofuran	6.46	42	76004	89.694	ug/l	96
30) Chloroform	6.67	83	306715	18.437	ug/l	98
31) Cyclohexane	6.95	56	163963	18.234	ug/l	88
32) 1,1,1-Trichloroethane	6.87	97	327003	18.873	ug/l	91
36) 1,1-Dichloropropene	7.14	75	210721	18.413	ug/l	98
37) Ethyl Acetate	6.19	43	87559	16.707	ug/l #	89
38) Carbon Tetrachloride	7.11	117	308692	17.613	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	185655	18.430	ug/l	97
40) Benzene	7.46	78	416371	18.125	ug/l	99
41) Methacrylonitrile	6.45	41	105181	17.428	ug/l #	88
42) 1,2-Dichloroethane	7.59	62	228082	18.201	ug/l	99
43) Isopropyl Acetate	9.24	43	104250	17.376	ug/l #	98
44) Trichloroethene	8.54	130	160373	17.808	ug/l	94
45) 1,2-Dichloropropane	8.94	63	95374	16.697	ug/l	94
46) Dibromomethane	9.06	93	86013	17.530	ug/l	96
47) Bromodichloromethane	9.38	83	242736	19.048	ug/l	95
48) Methyl methacrylate	9.12	41	83642	19.618	ug/l	93
49) 1,4-Dioxane	9.09	88	16520	465.728	ug/l	99
51) 4-Methyl-2-Pentanone	10.30	43	386269	90.807	ug/l	97
52) Toluene	10.51	92	267423	17.318	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	190797	18.293	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	204299	18.021	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	100315	18.909	ug/l	90
56) Ethyl methacrylate	11.05	69	100046	17.646	ug/l	98
57) 1,3-Dichloropropane	11.42	76	141799	17.456	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.86	63	277704	95.410	ug/l	95
59) 2-Hexanone	11.53	43	274821	90.716	ug/l	95
60) Dibromochloromethane	11.69	129	183344	18.554	ug/l	100
61) 1,2-Dibromoethane	11.81	107	115363	18.412	ug/l	95
64) Tetrachloroethene	11.26	164	155480	18.508	ug/l	90
65) Chlorobenzene	12.40	112	351880	18.575	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	162485	18.341	ug/l	94
67) Ethyl Benzene	12.53	91	636947	18.728	ug/l	98
68) m/p-Xylenes	12.67	106	428988	36.215	ug/l	99
69) o-Xylene	13.05	106	189566	17.506	ug/l	82
70) Styrene	13.08	104	347625	18.276	ug/l	95
71) Bromoform	13.24	173	118076	19.453	ug/l	96
73) Isopropylbenzene	13.40	105	679862	20.525	ug/l	96
74) N-amyl acetate	13.27	43	157441	19.573	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	110513	20.477	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	115516	19.370	ug/l	97
77) Bromobenzene	13.67	156	170915	19.184	ug/l	87
78) n-propylbenzene	13.78	91	780552	20.247	ug/l	98
79) 2-Chlorotoluene	13.85	91	444415	20.190	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	574428	20.647	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	31775	20.330	ug/l	89
82) 4-Chlorotoluene	13.95	91	552675	20.837	ug/l	90
83) tert-Butylbenzene	14.19	119	631791	20.373	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	566337	19.860	ug/l	96
85) sec-Butylbenzene	14.37	105	665841	19.755	ug/l	94
86) p-Isopropyltoluene	14.50	119	614886	19.941	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	319943	20.034	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	308006	19.202	ug/l	96
89) n-Butylbenzene	14.80	91	583344	20.212	ug/l	97
90) Hexachloroethane	15.01	117	169380	20.430	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	273448	20.013	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	21853	20.746	ug/l	80

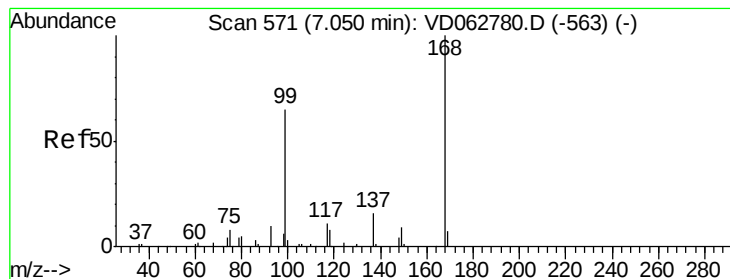
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	211020	19.770	ug/l	95
94) Hexachlorobutadiene	16.04	225	165981	20.355	ug/l	94
95) Naphthalene	16.12	128	308081	20.593	ug/l	96
96) 1,2,3-Trichlorobenzene	16.27	180	175620	21.415	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

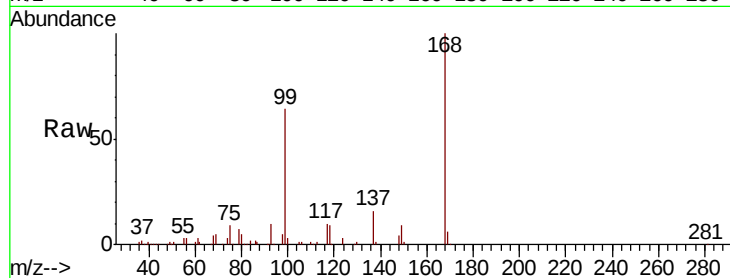
VSTDIC020

Tot Ion:168 Resp: 880133

Ion Ratio Lower Upper

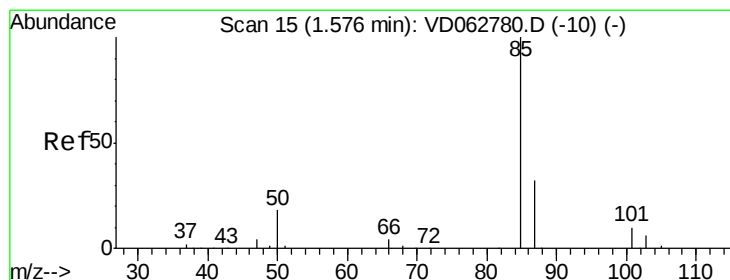
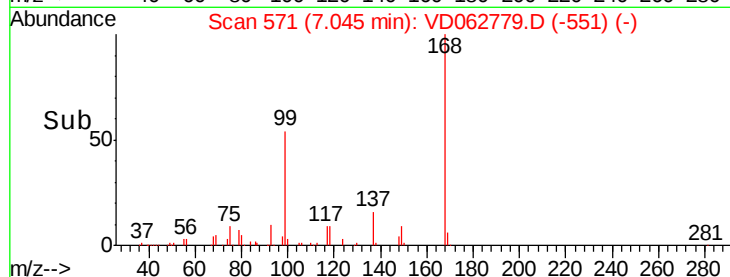
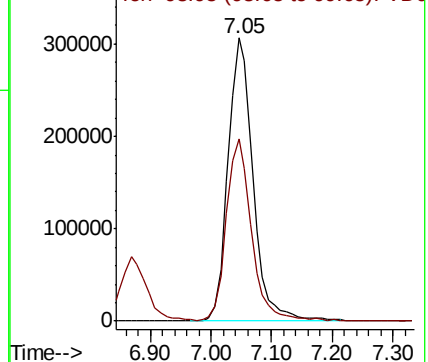
168 100

99 64.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 20.735 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062779.D

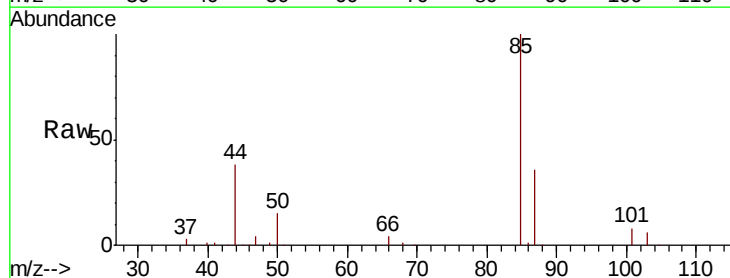
Acq: 19 Jun 2019 15:12

Tgt Ion: 85 Resp: 236391

Ion Ratio Lower Upper

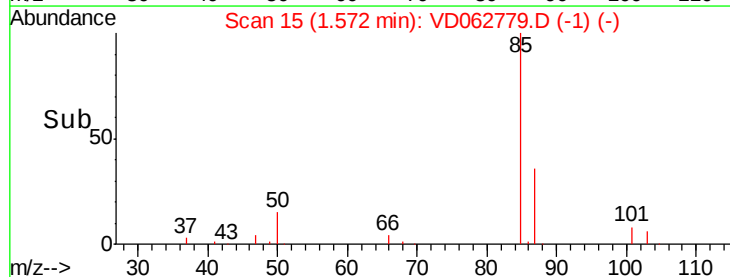
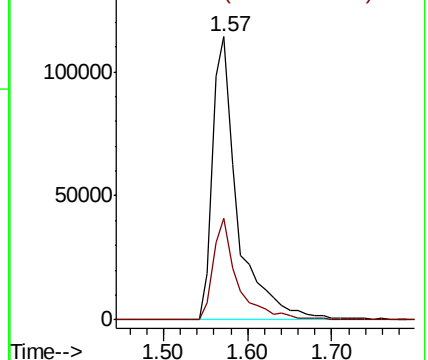
85 100

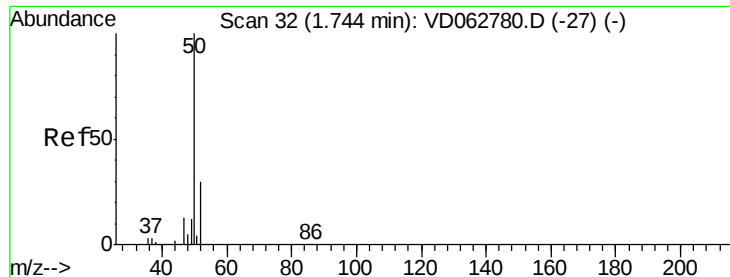
87 35.9 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.784 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

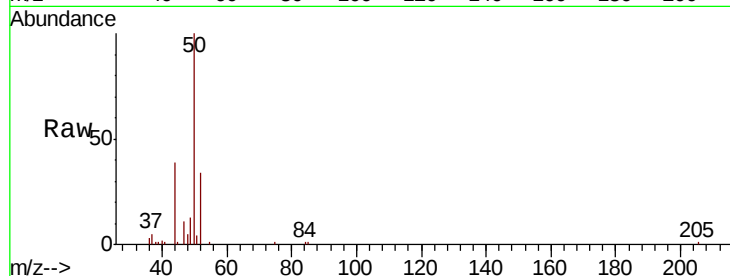
VSTDIC020

Tot Ion: 50 Resp: 178202

Ion Ratio Lower Upper

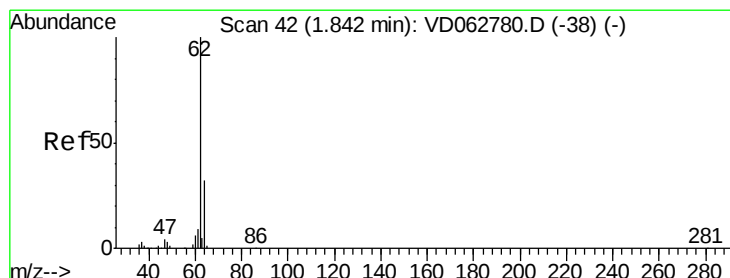
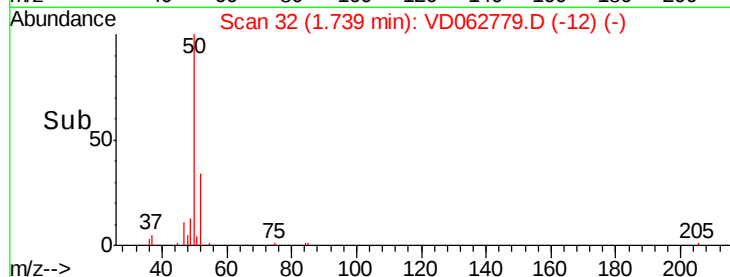
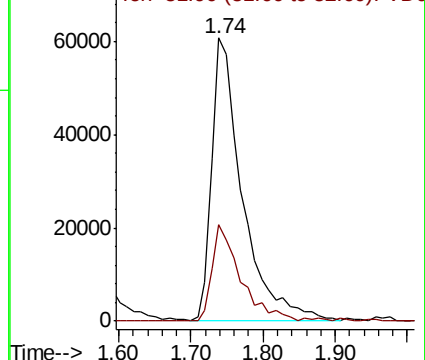
50 100

52 34.2 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.580 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.00 min

Lab File: VD062779.D

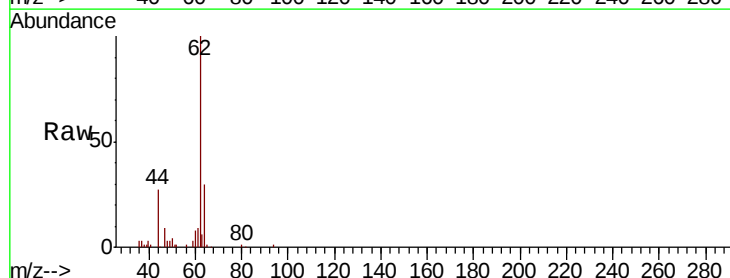
Acq: 19 Jun 2019 15:12

Tgt Ion: 62 Resp: 166446

Ion Ratio Lower Upper

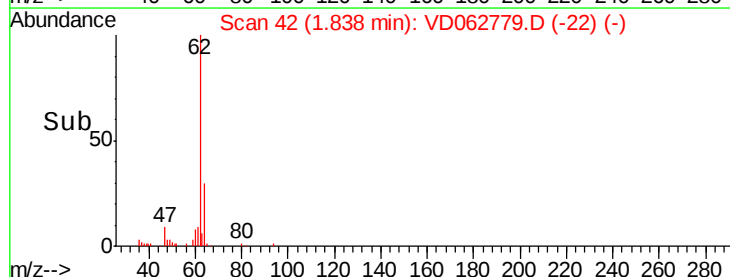
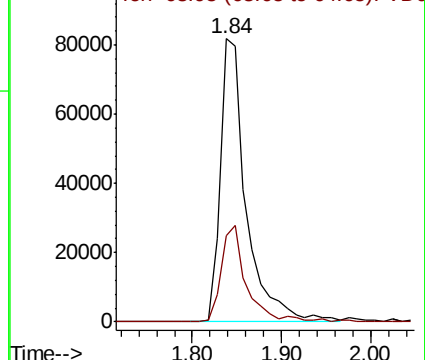
62 100

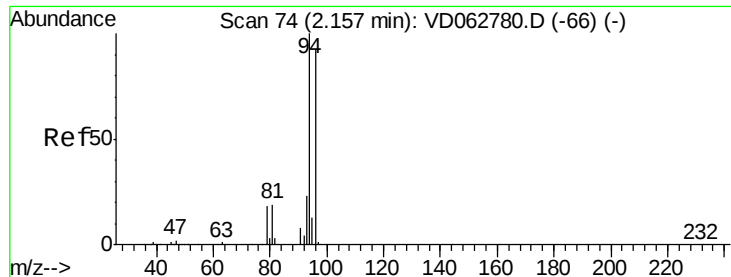
64 30.4 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.425 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

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ClientSampleId :

VSTDIC020

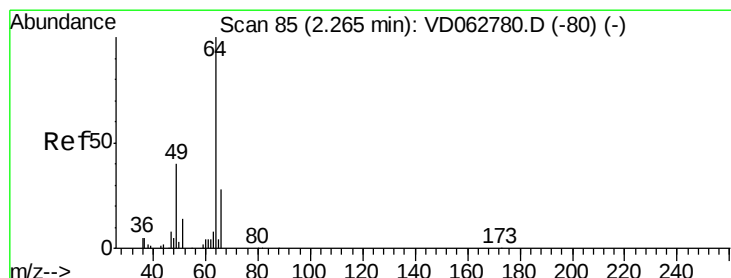
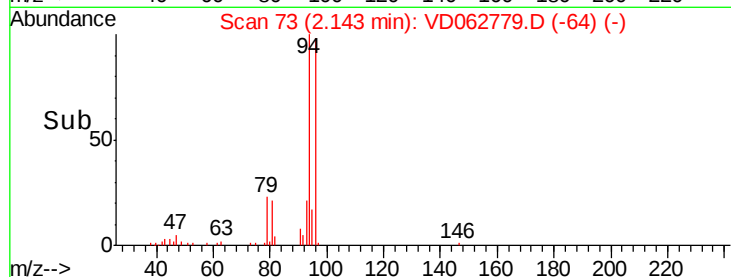
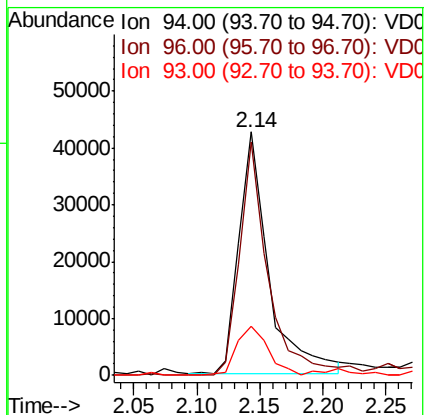
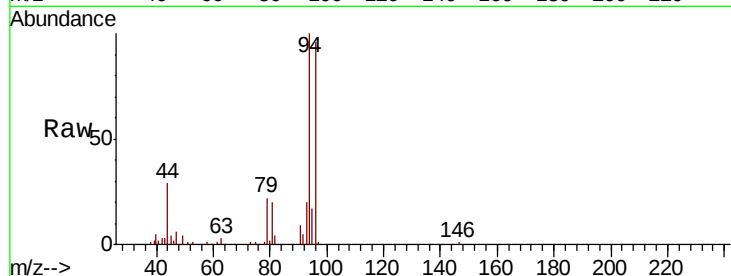
Tot Ion: 94 Resp: 69368

Ion Ratio Lower Upper

94 100

96 96.0 73.4 110.2

93 20.3 18.2 27.4



#6

Chloroethane

Concen: 17.119 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD062779.D

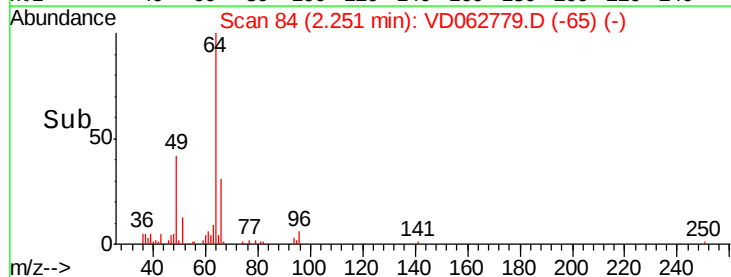
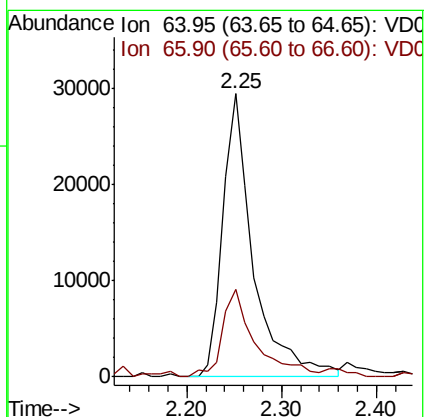
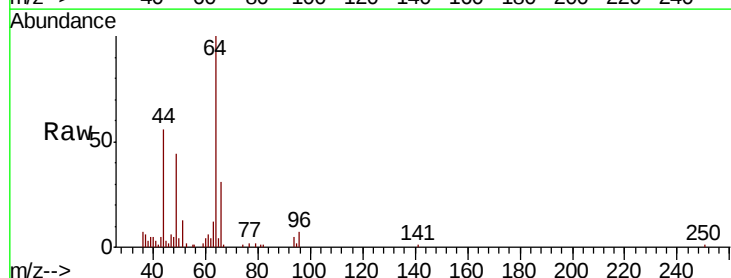
Acq: 19 Jun 2019 15:12

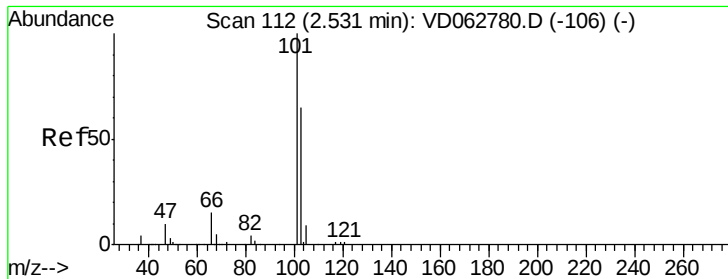
Tgt Ion: 64 Resp: 65887

Ion Ratio Lower Upper

64 100

66 31.1 23.0 34.4



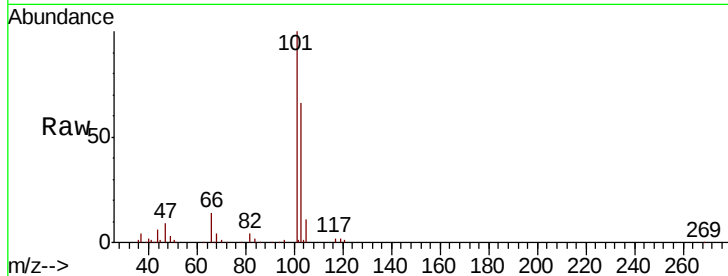


#7

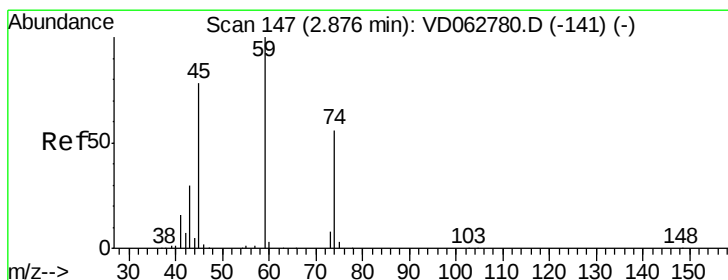
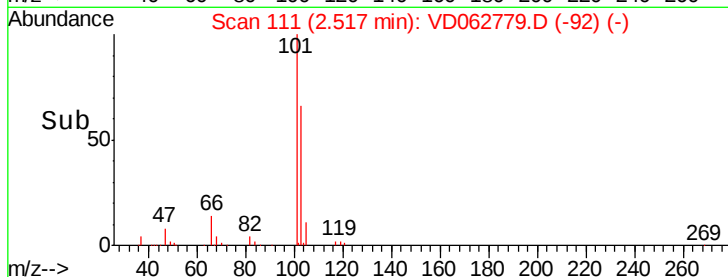
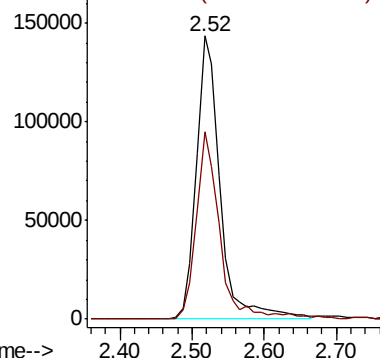
Trichlorofluoromethane
 Concen: 18.973 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.01 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:101 Resp: 326414
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.8 77.8



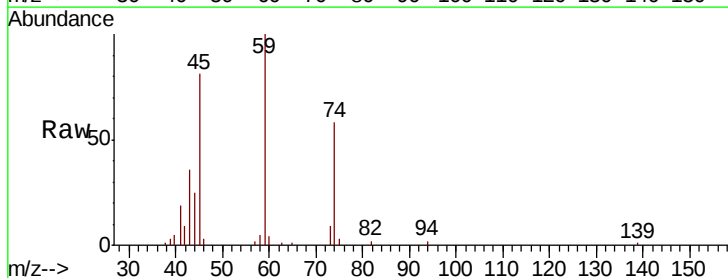
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



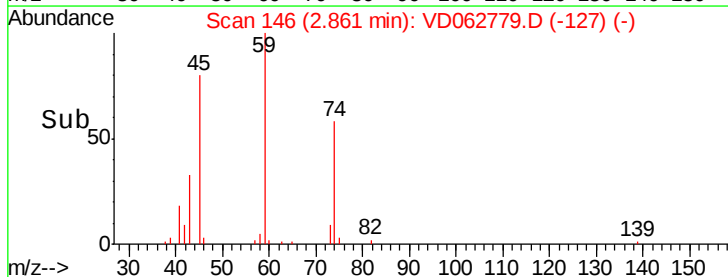
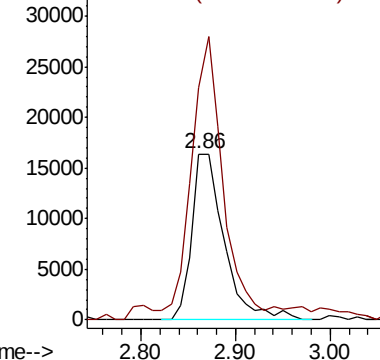
#8

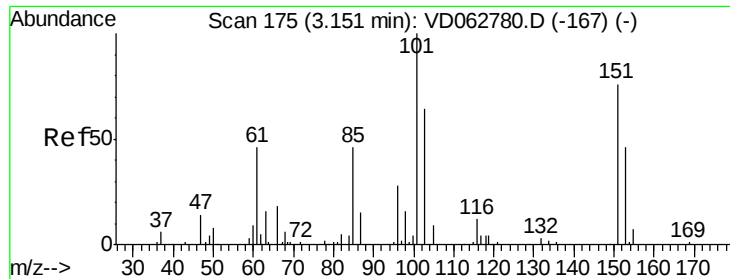
Diethyl Ether
 Concen: 17.779 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Tgt Ion: 74 Resp: 38862
 Ion Ratio Lower Upper
 74 100
 45 139.8 70.2 210.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.994 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

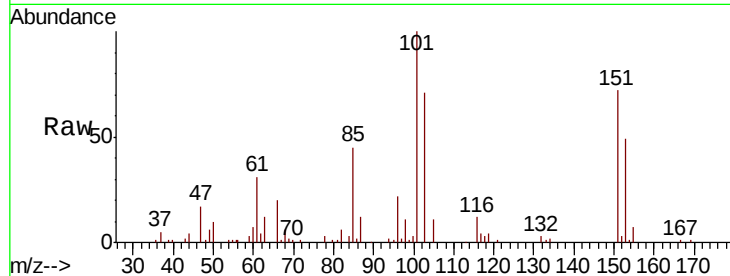
Tot Ion:101 Resp: 177020

Ion Ratio Lower Upper

101 100

85 44.5 37.0 55.4

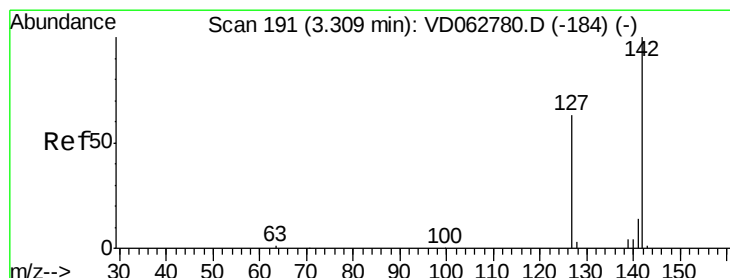
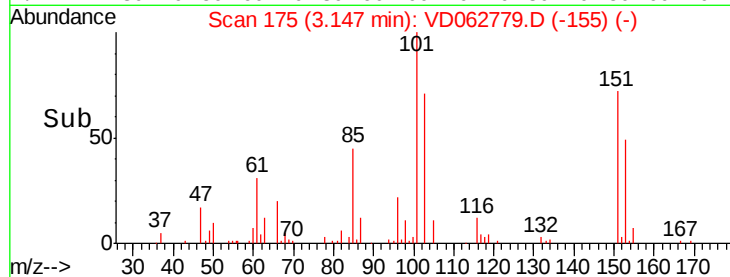
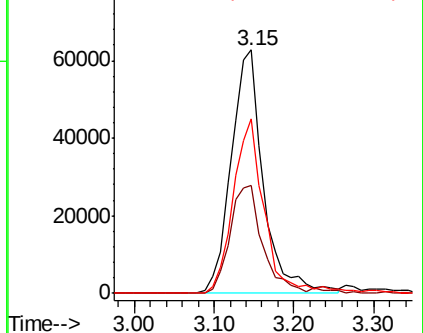
151 71.5 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.239 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

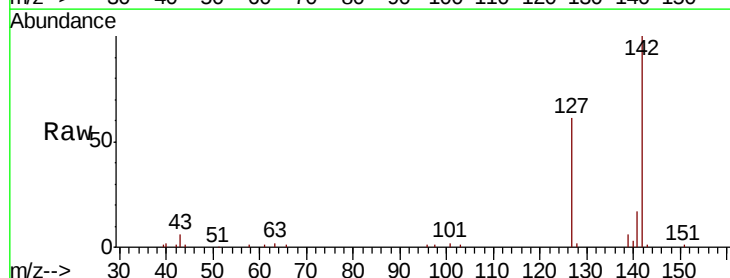
Tgt Ion:142 Resp: 224239

Ion Ratio Lower Upper

142 100

127 61.1 50.1 75.1

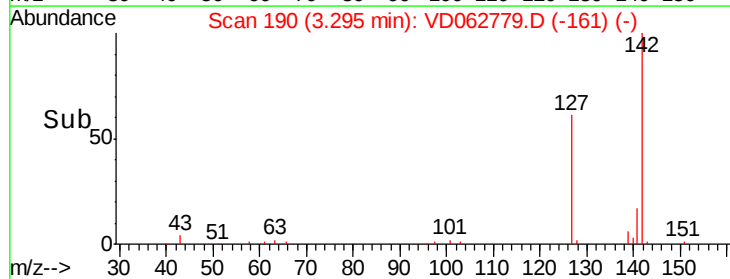
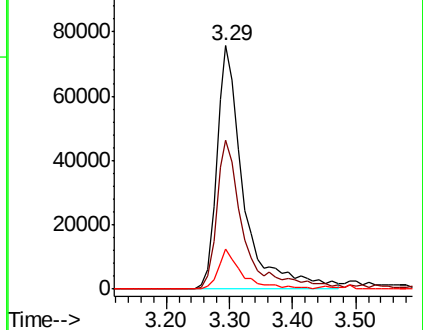
141 16.5 11.0 16.4#

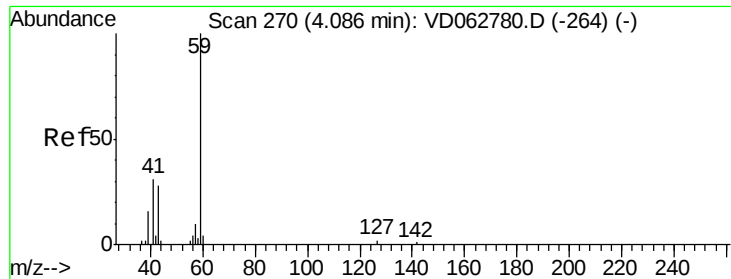


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

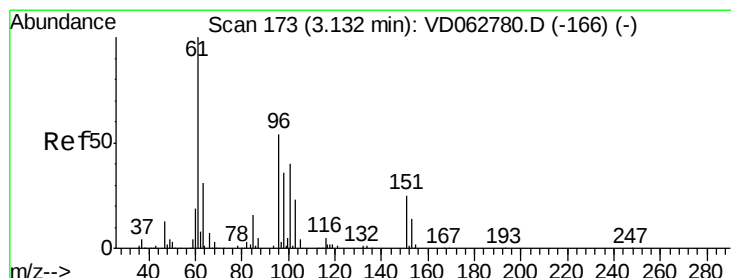
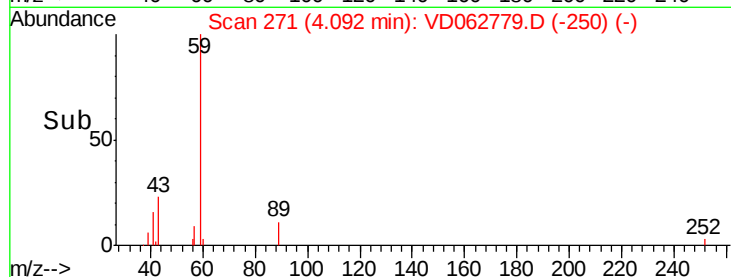
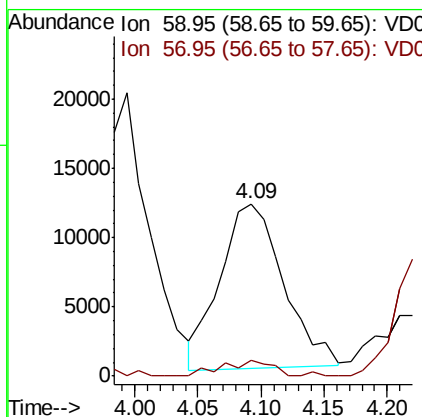
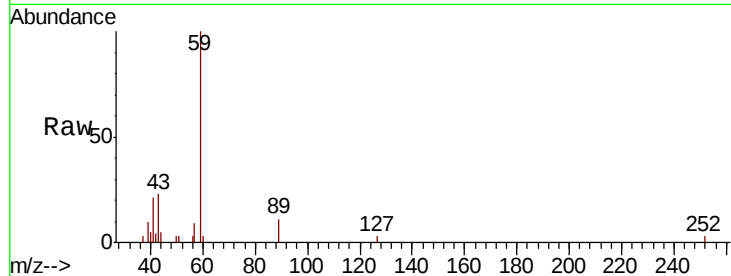




#11
Tert butyl alcohol
Concen: 95.376 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

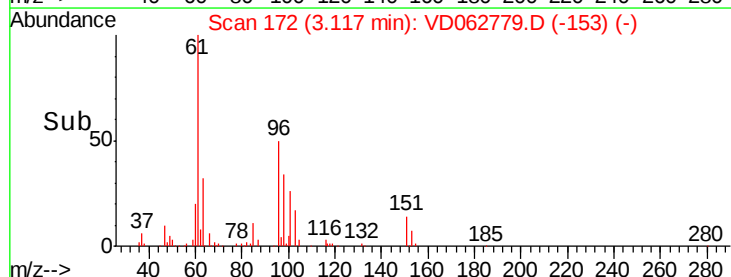
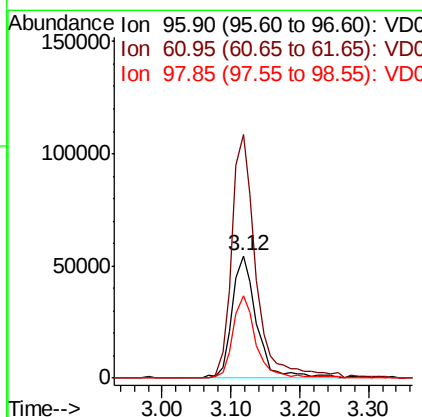
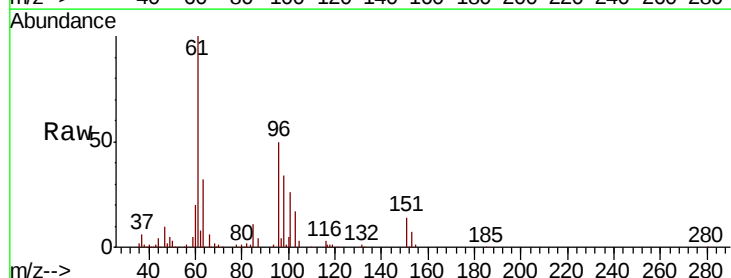
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 41600
Ion Ratio Lower Upper
59 100
57 9.0 6.6 10.0



#12
1,1-Dichloroethene
Concen: 19.271 ug/l
RT: 3.12 min Scan# 172
Delta R.T. -0.01 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion: 96 Resp: 134735
Ion Ratio Lower Upper
96 100
61 199.6 147.1 220.7
98 67.3 52.6 79.0





#13

Acrolein

Concen: 89.544 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

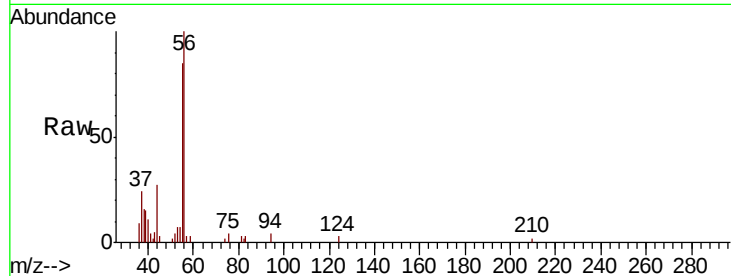
VSTDIC020

Tot Ion: 56 Resp: 39870

Ion Ratio Lower Upper

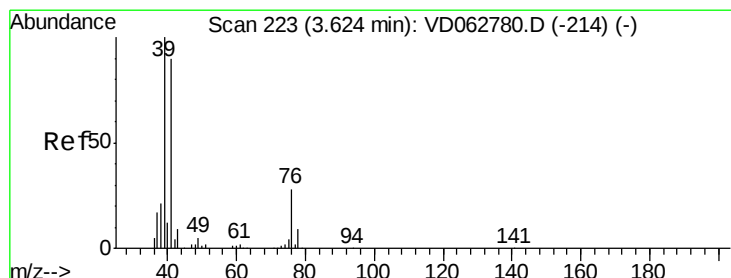
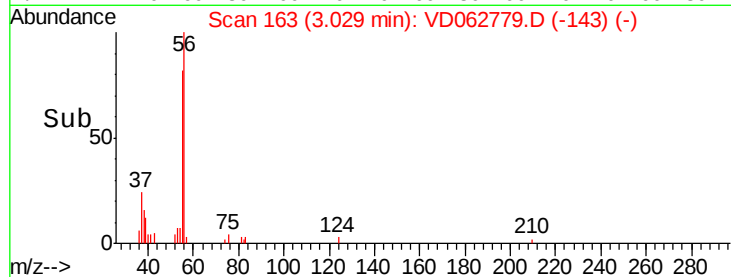
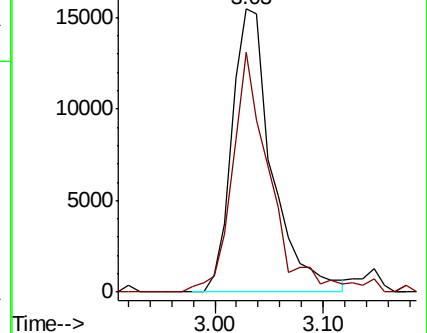
56 100

55 84.7 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.626 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

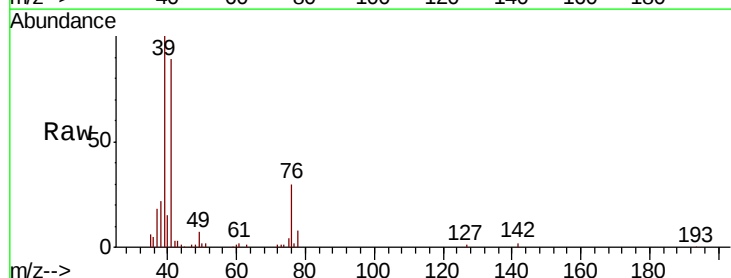
Tgt Ion: 41 Resp: 181893

Ion Ratio Lower Upper

41 100

39 112.4 88.8 133.2

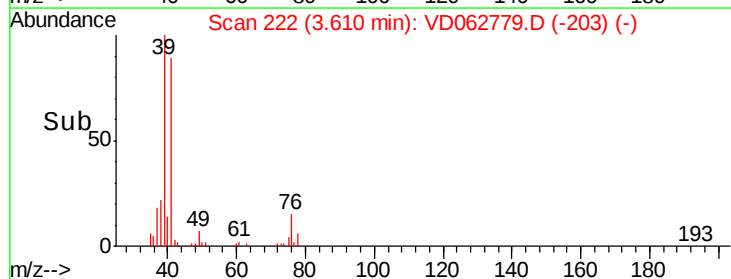
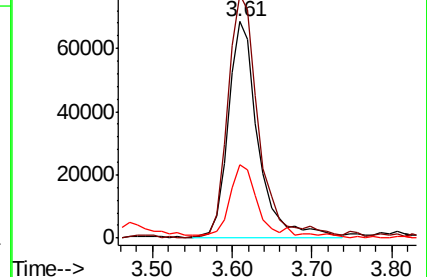
76 33.7 26.7 40.1

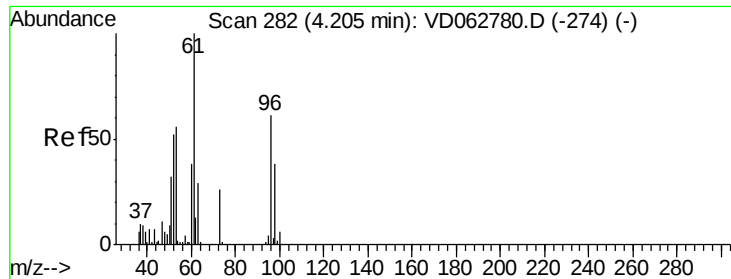


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 88.621 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

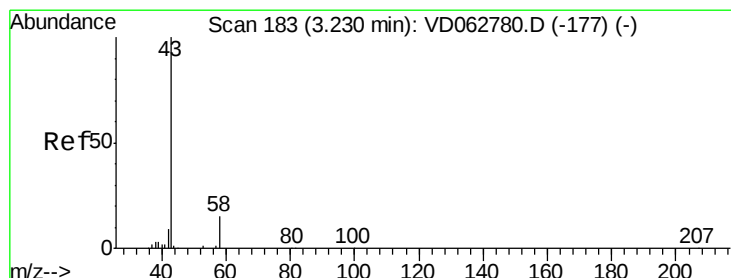
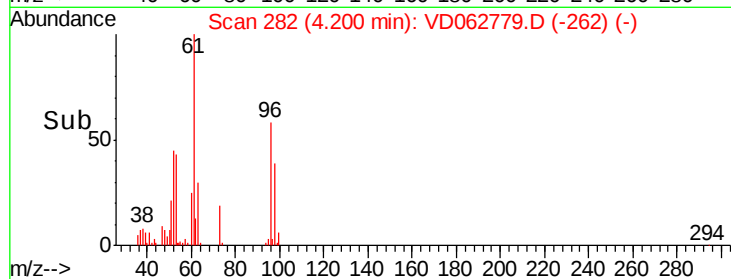
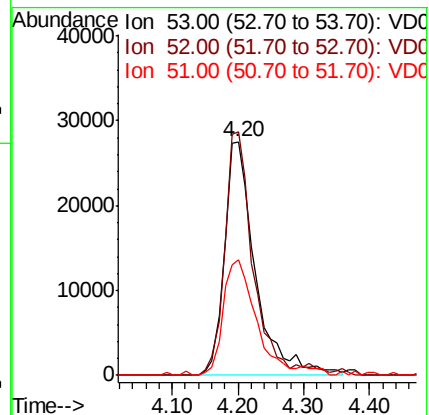
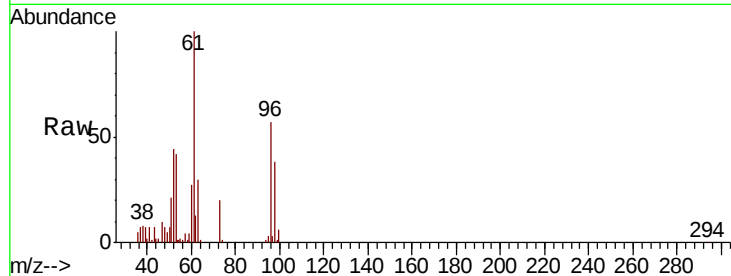
Tot Ion: 53 Resp: 90816

Ion Ratio Lower Upper

53 100

52 104.3 73.3 109.9

51 49.5 44.8 67.2



#16

Acetone

Concen: 82.655 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062779.D

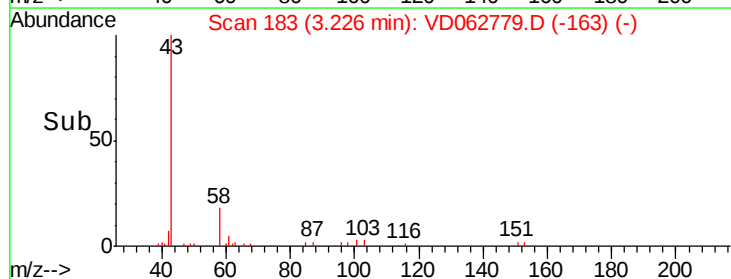
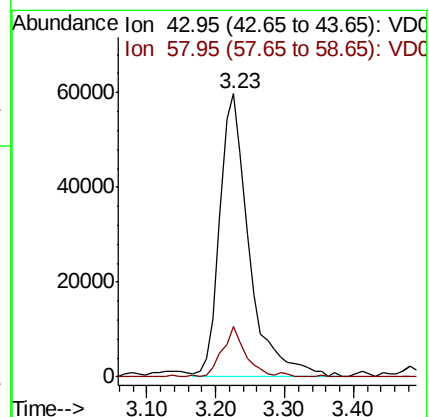
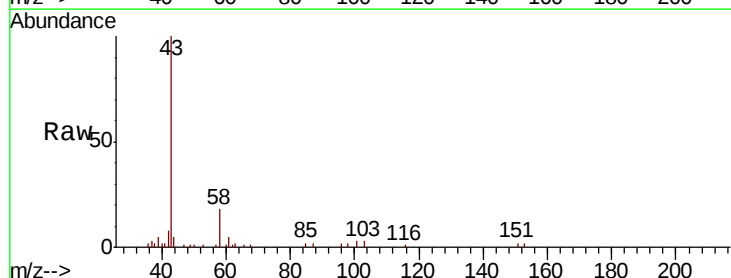
Acq: 19 Jun 2019 15:12

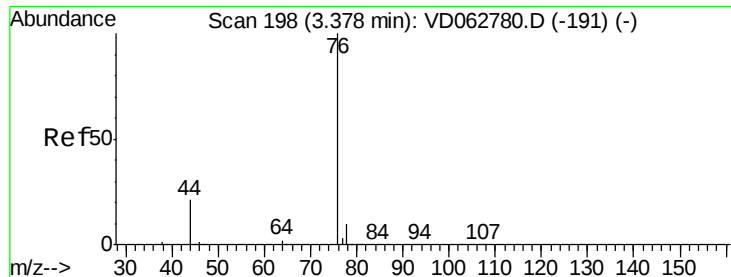
Tgt Ion: 43 Resp: 177128

Ion Ratio Lower Upper

43 100

58 18.0 11.9 17.9#

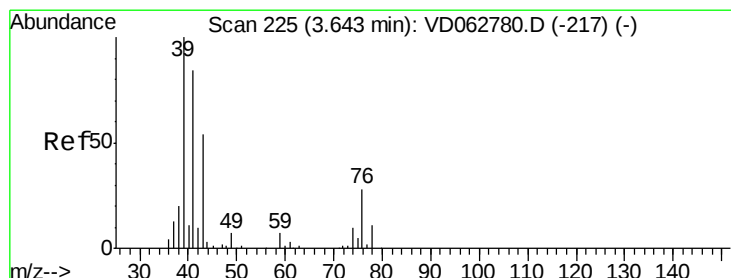
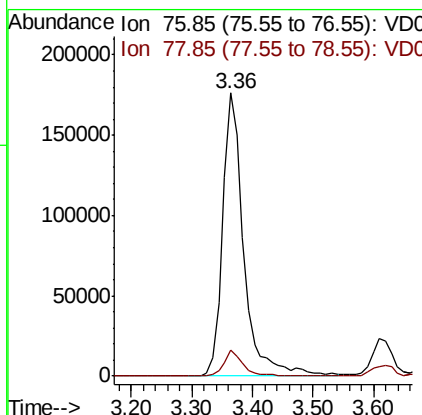
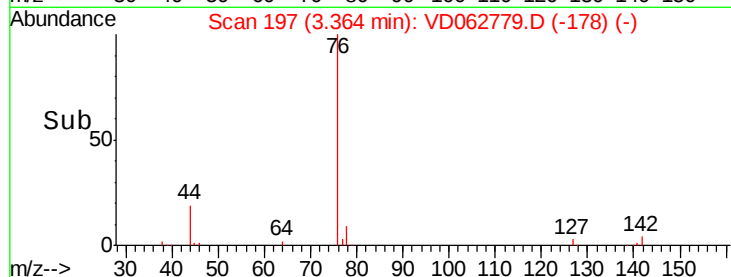
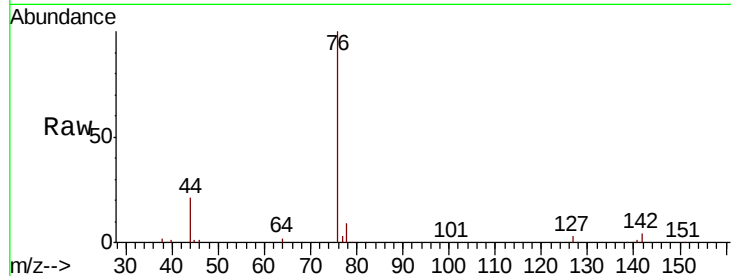




#17
Carbon Disulfide
Concen: 19.208 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

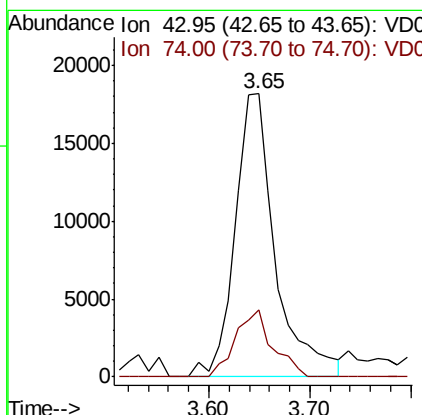
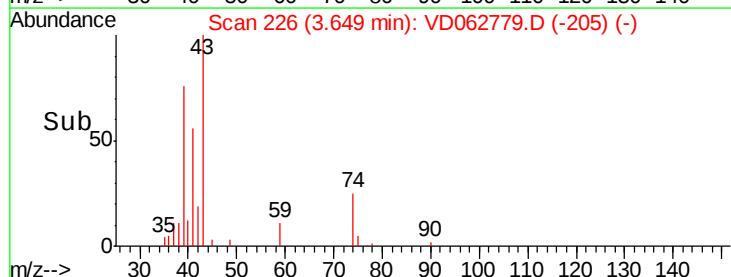
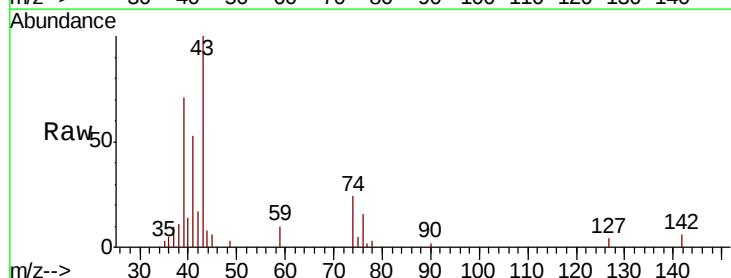
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

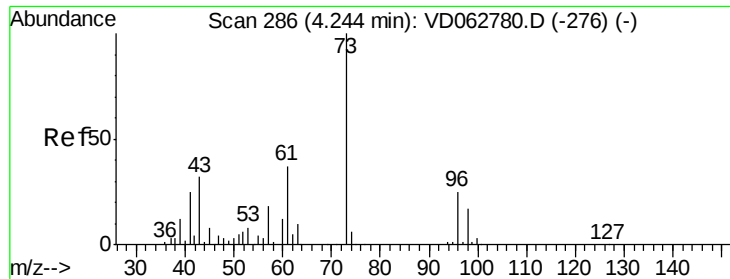
Tot Ion: 76 Resp: 428615
Ion Ratio Lower Upper
76 100
78 9.0 8.0 12.0



#18
Methyl Acetate
Concen: 17.469 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion: 43 Resp: 50498
Ion Ratio Lower Upper
43 100
74 23.8 15.2 22.8#



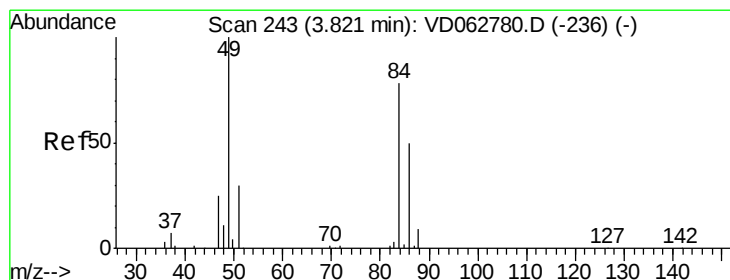
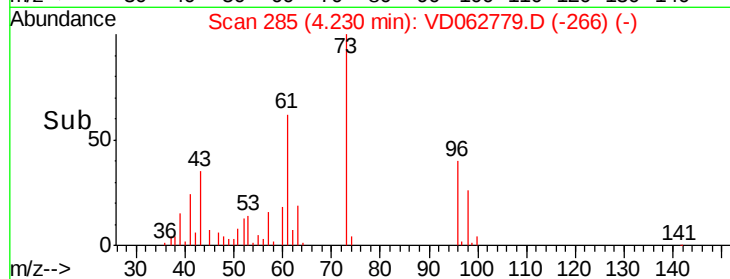
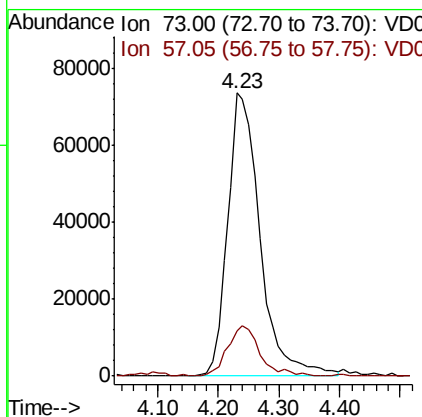
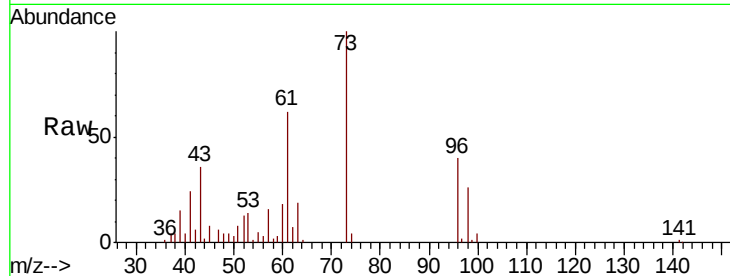


#19

Methyl tert-butyl Ether
 Concen: 18.108 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

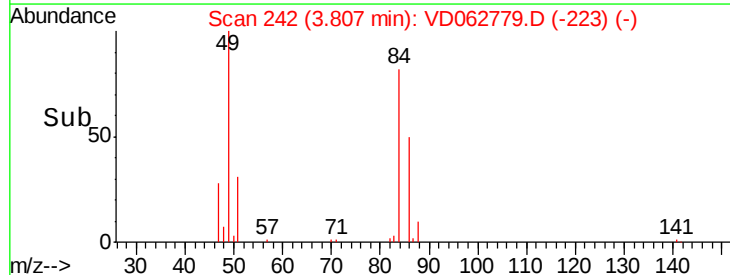
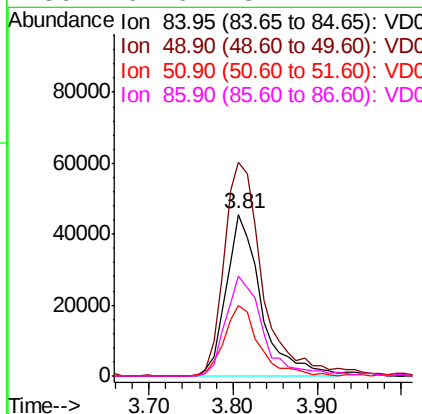
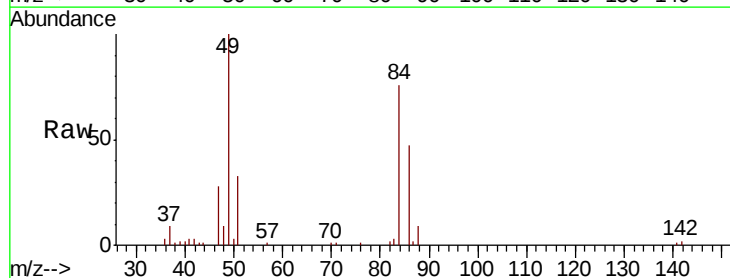
Tot Ion: 73 Resp: 274072
 Ion Ratio Lower Upper
 73 100
 57 15.9 14.3 21.5



#20

Methylene Chloride
 Concen: 18.035 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Tgt Ion: 84 Resp: 131717
 Ion Ratio Lower Upper
 84 100
 49 132.3 102.9 154.3
 51 43.8 31.2 46.8
 86 61.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 18.404 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

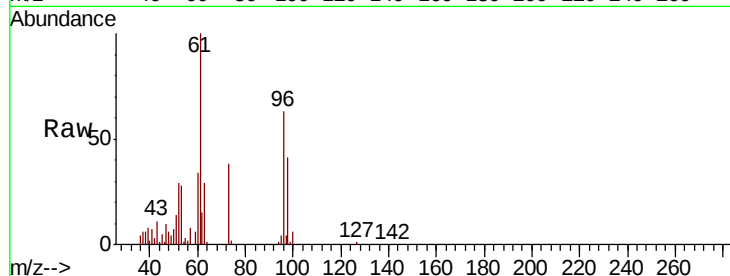
Tot Ion: 96 Resp: 137004

Ion Ratio Lower Upper

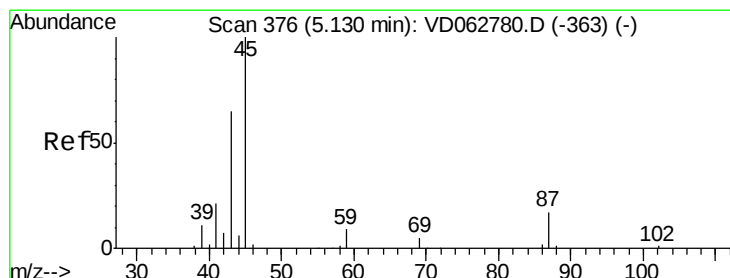
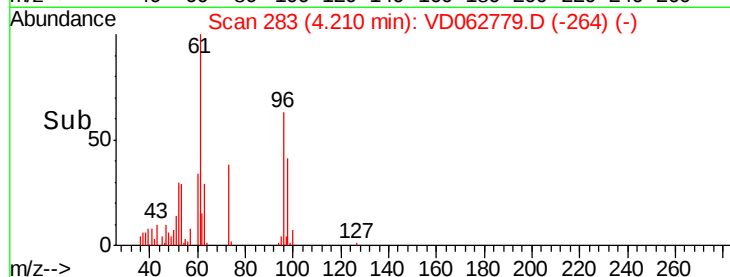
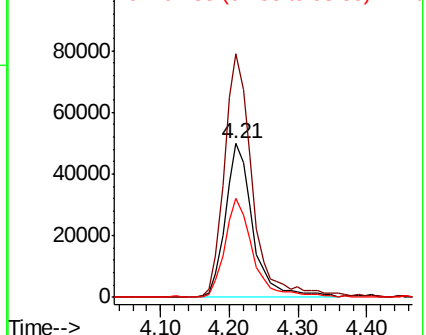
96 100

61 158.7 131.0 196.4

98 64.8 53.2 79.8



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



#22

Diisopropyl ether

Concen: 18.277 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Tgt Ion: 45 Resp: 383980

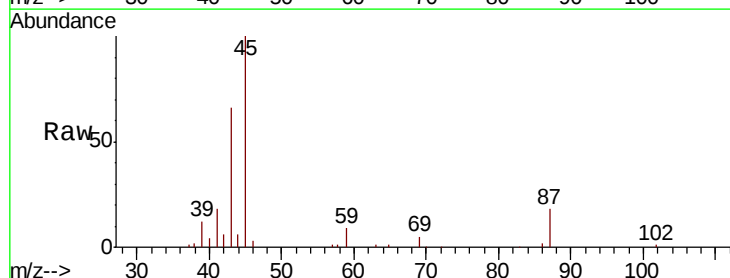
Ion Ratio Lower Upper

45 100

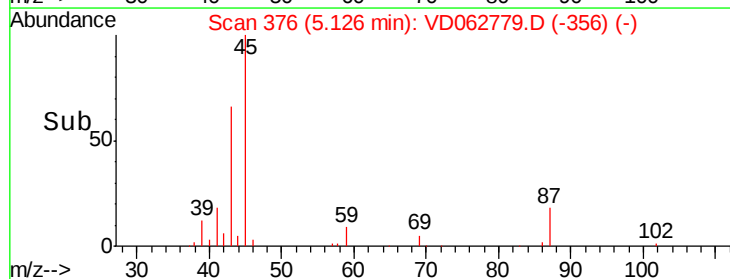
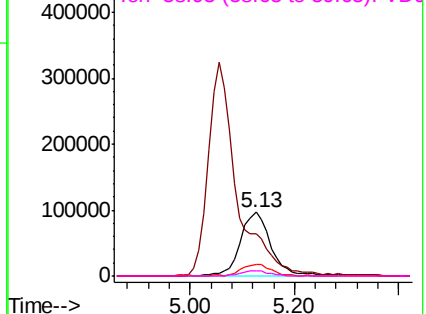
43 65.5 53.4 80.0

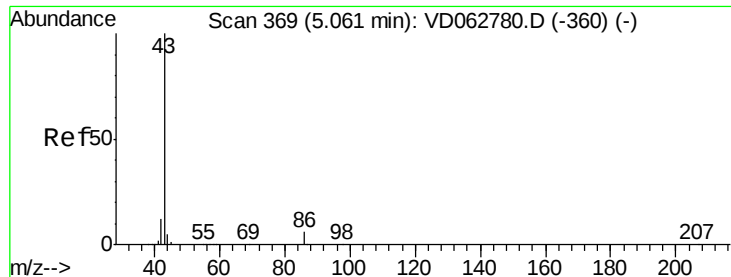
87 17.7 14.6 22.0

59 9.1 7.8 11.8



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 93.162 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

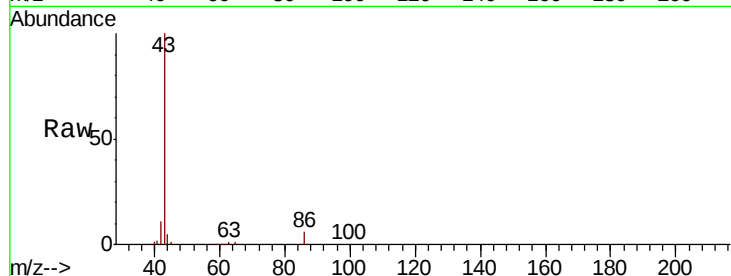
VSTDIC020

Tot Ion: 43 Resp: 1227149

Ion Ratio Lower Upper

43 100

86 5.8 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

300000

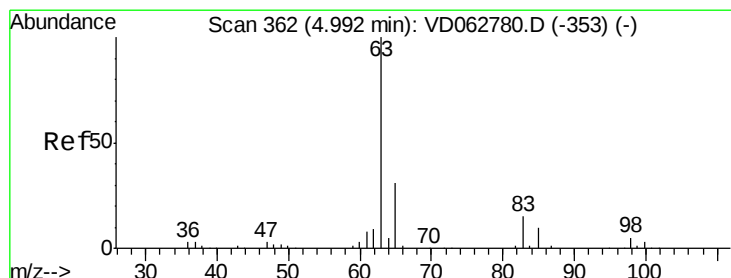
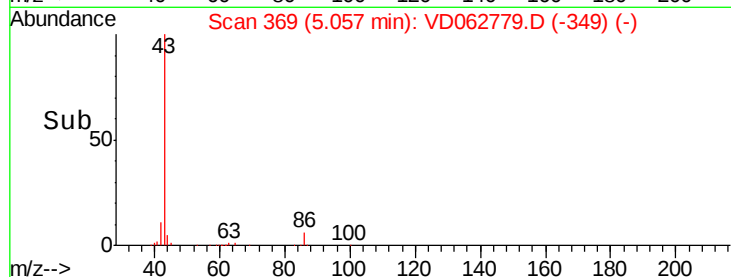
200000

100000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 17.958 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

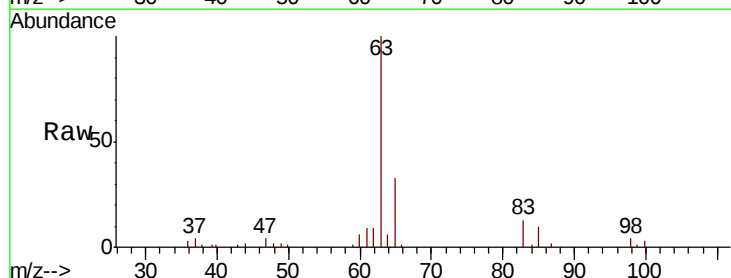
Tgt Ion: 63 Resp: 245633

Ion Ratio Lower Upper

63 100

98 3.6 2.3 6.9

100 2.8 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.99

80000

60000

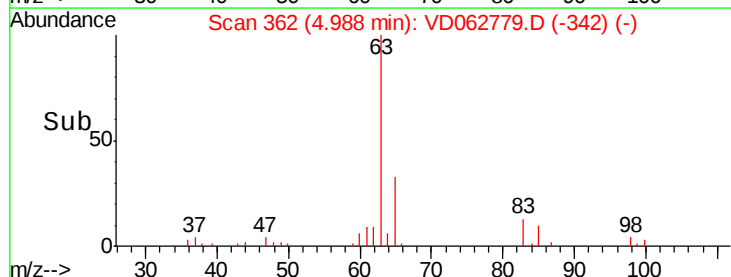
40000

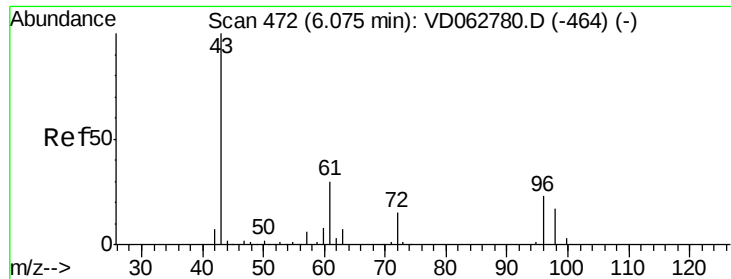
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 91.869 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

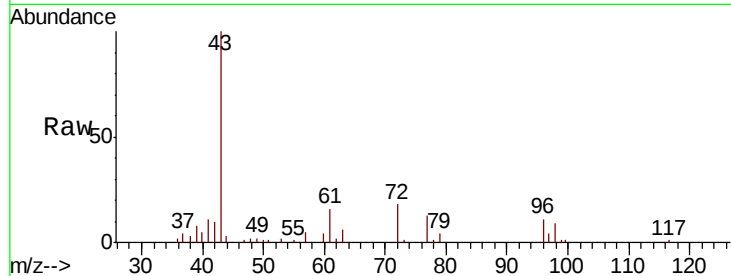
VSTDIC020

Tot Ion: 43 Resp: 164529

Ion Ratio Lower Upper

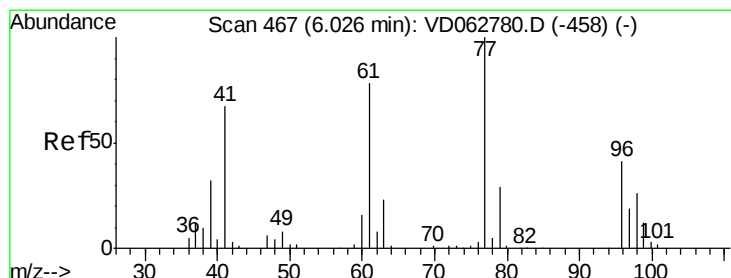
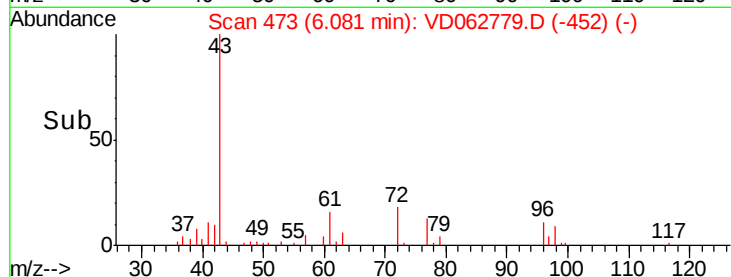
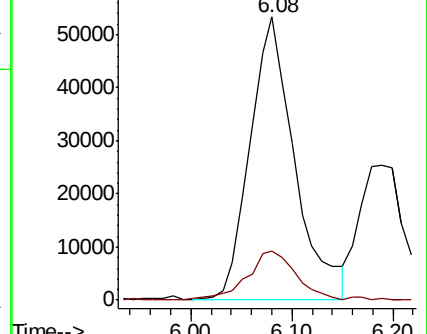
43 100

72 17.6 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.287 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD062779.D

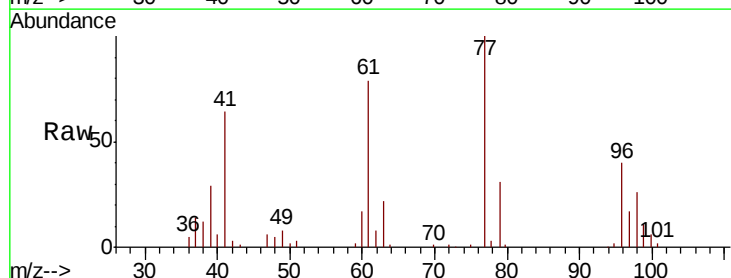
Acq: 19 Jun 2019 15:12

Tgt Ion: 77 Resp: 265136

Ion Ratio Lower Upper

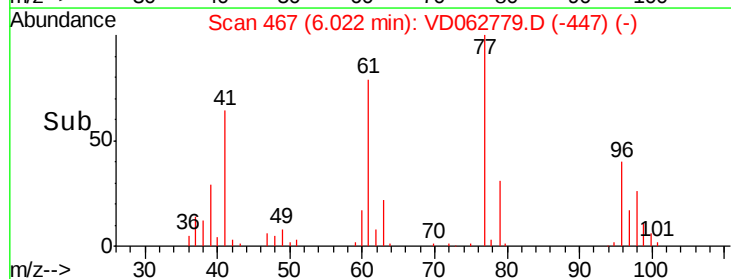
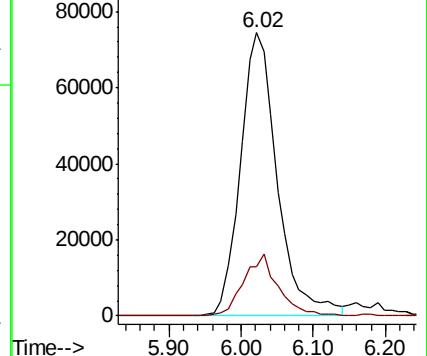
77 100

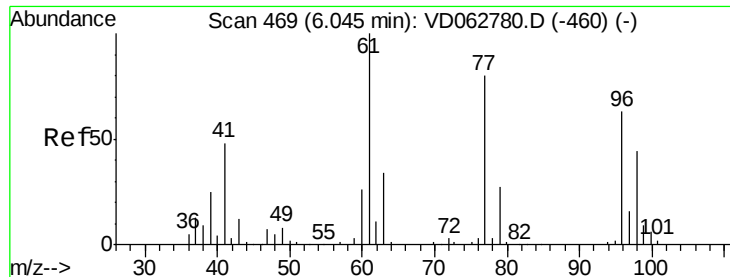
97 17.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



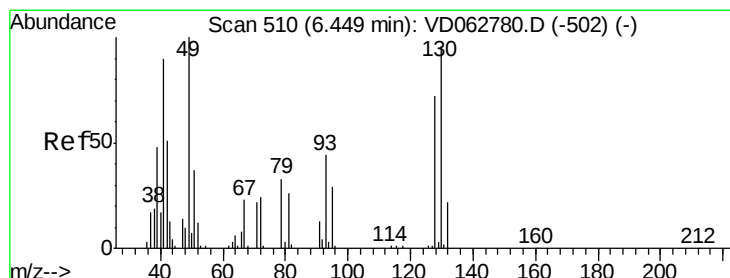
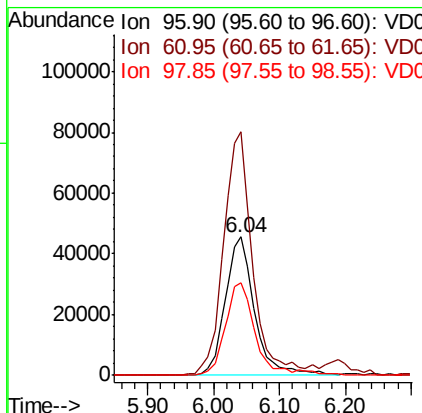
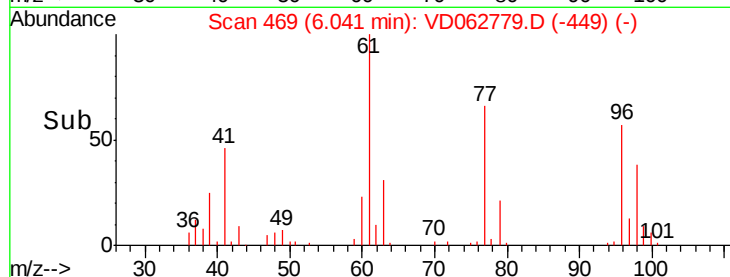
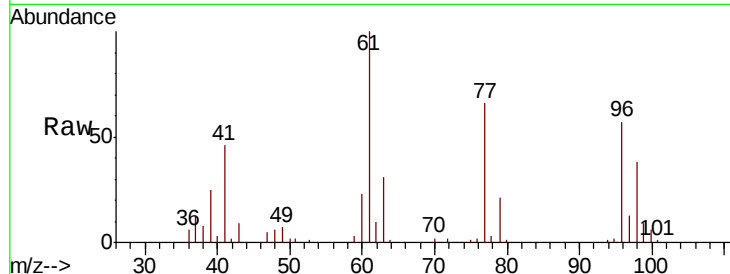


#27

cis-1,2-Dichloroethene
 Concen: 18.039 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

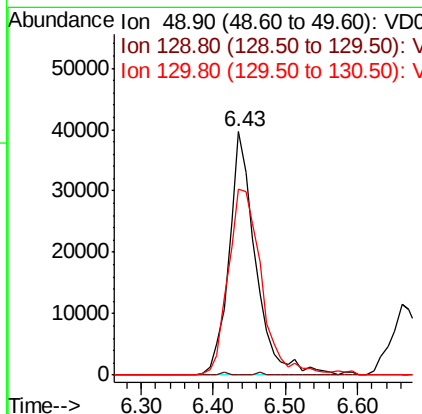
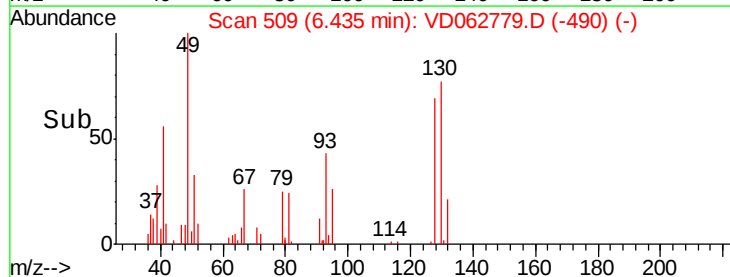
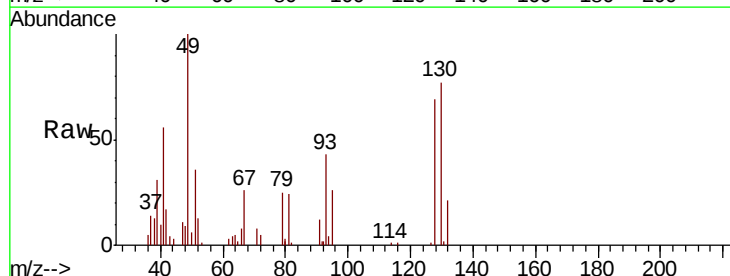
Tot Ion: 96 Resp: 142011
 Ion Ratio Lower Upper
 96 100
 61 175.7 0.0 316.0
 98 66.6 0.0 138.4

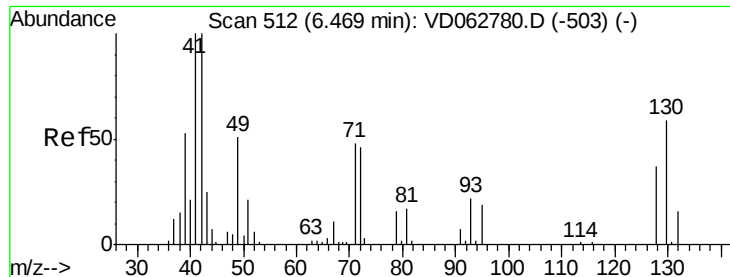


#28

Bromochloromethane
 Concen: 21.056 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Tgt Ion: 49 Resp: 101441
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 76.6 76.6 114.8





#29

Tetrahydrofuran

Concen: 89.694 ug/l

RT: 6.46 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

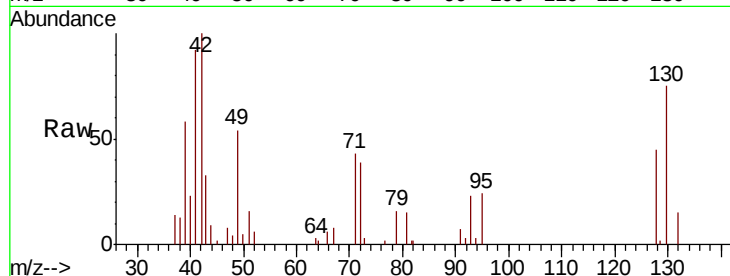
Tot Ion: 42 Resp: 76004

Ion Ratio Lower Upper

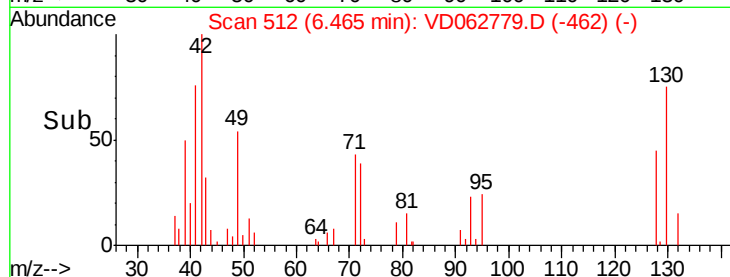
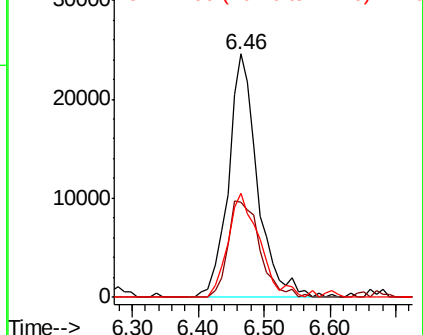
42 100

72 43.7 35.0 52.6

71 46.2 33.3 49.9



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



#30

Chloroform

Concen: 18.437 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062779.D

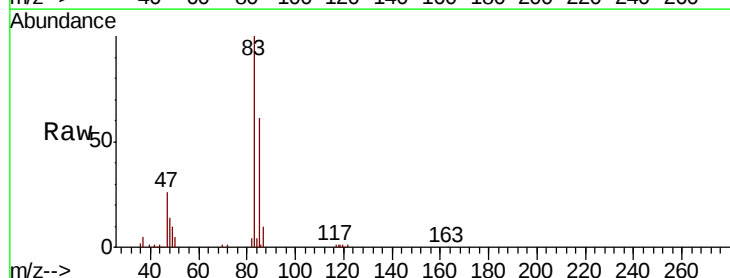
Acq: 19 Jun 2019 15:12

Tgt Ion: 83 Resp: 306715

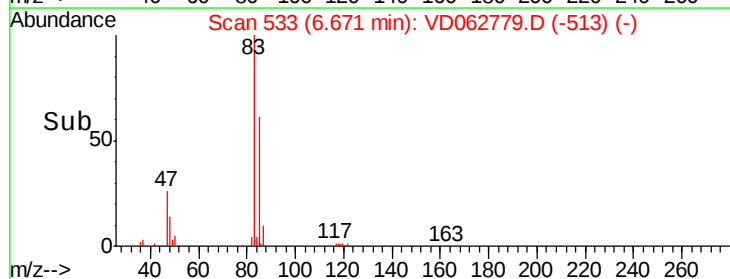
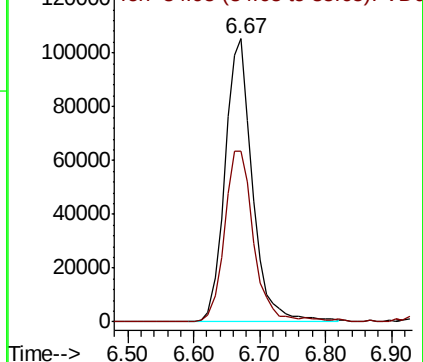
Ion Ratio Lower Upper

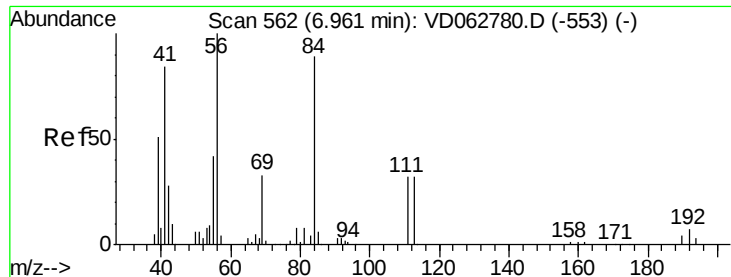
83 100

85 60.5 49.8 74.6



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

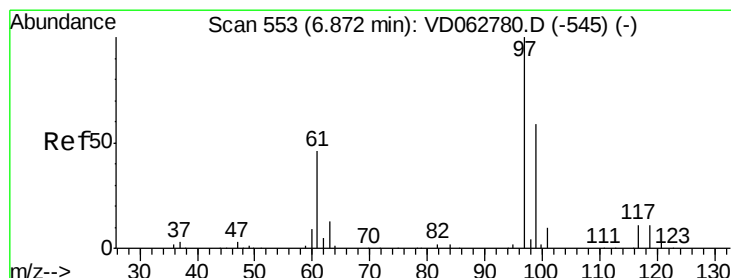
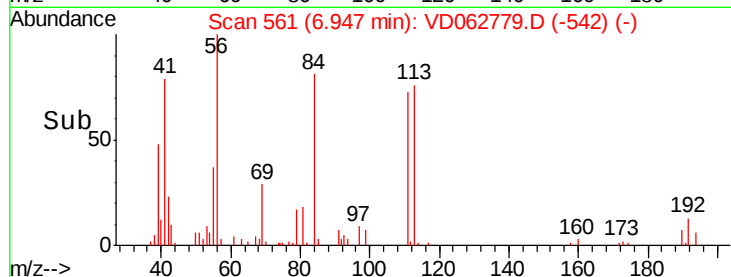
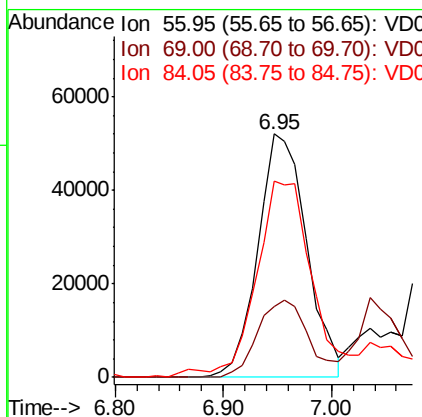
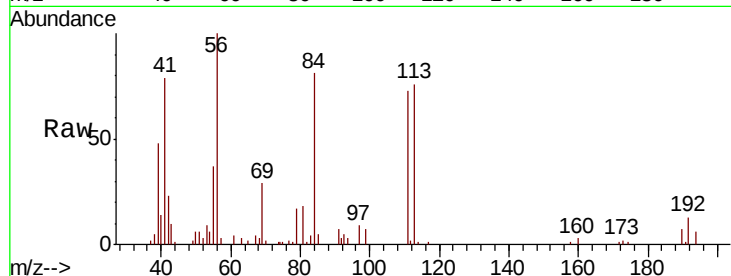




#31
Cyclohexane
Concen: 18.234 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

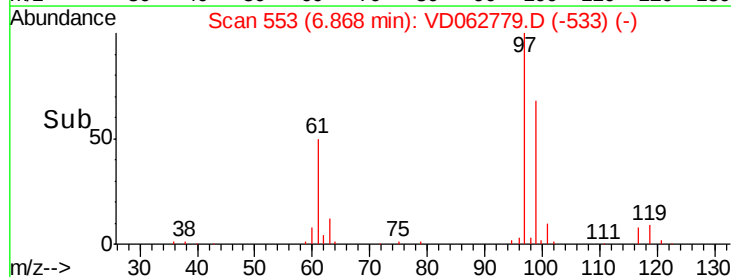
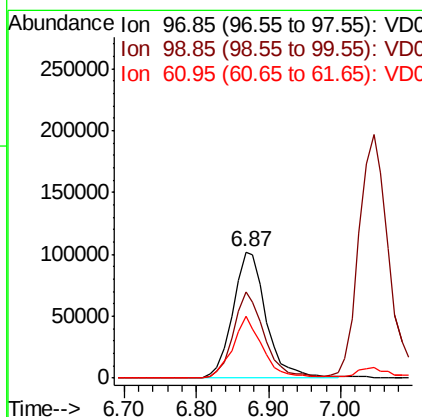
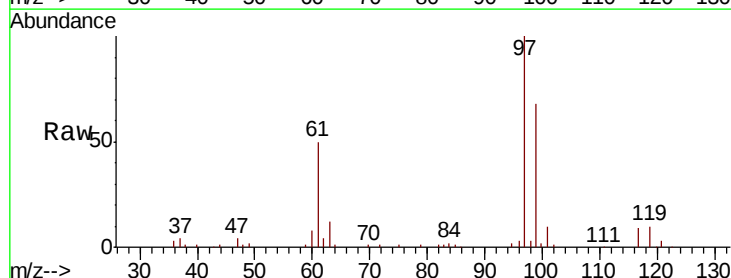
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 163963
Ion Ratio Lower Upper
56 100
69 29.2 26.6 39.8
84 80.6 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 18.873 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion: 97 Resp: 327003
Ion Ratio Lower Upper
97 100
99 68.5 47.4 71.2
61 49.5 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 19.470 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

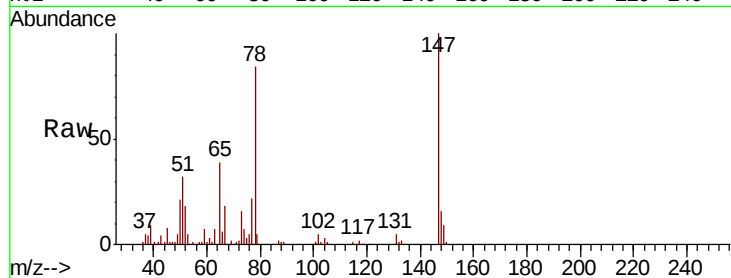
VSTDIC020

Tot Ion: 65 Resp: 186440

Ion Ratio Lower Upper

65 100

67 46.0 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

80000

60000

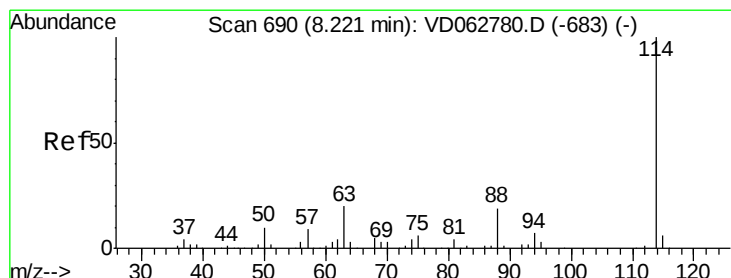
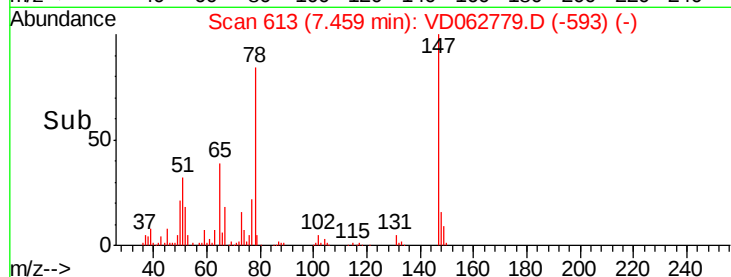
40000

20000

0

7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

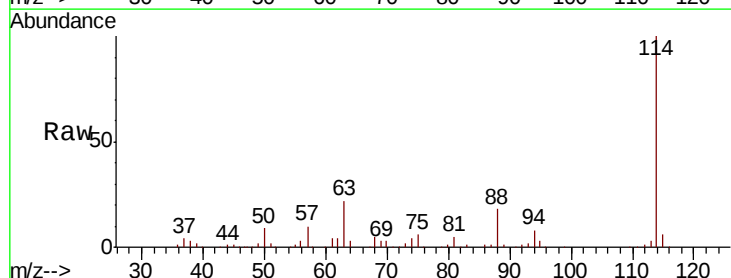
Tgt Ion: 114 Resp: 1208903

Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.0

88 18.1 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

300000

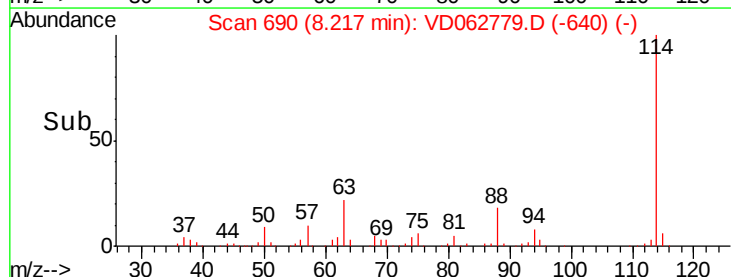
200000

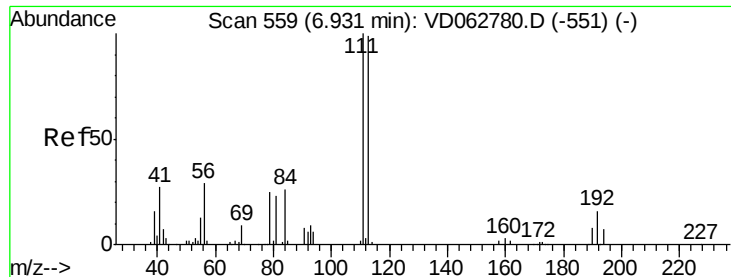
100000

0

8.10 8.20 8.30 8.40

Time-->

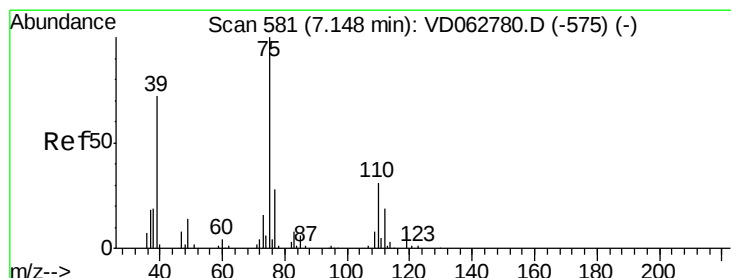
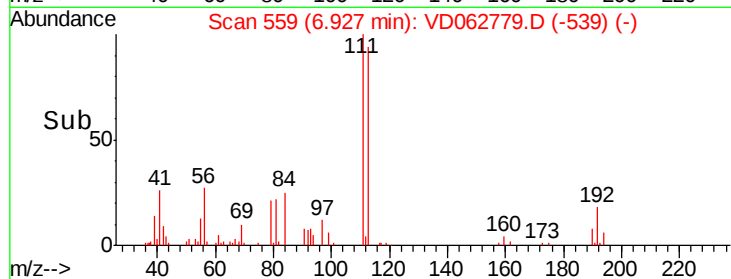
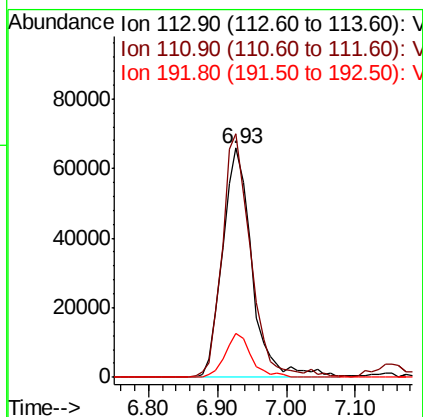
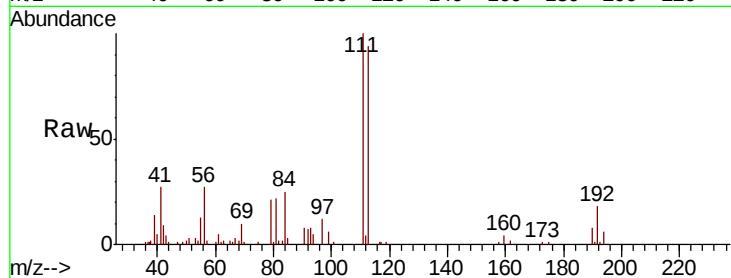




#35
 Dibromofluoromethane
 Concen: 19.126 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

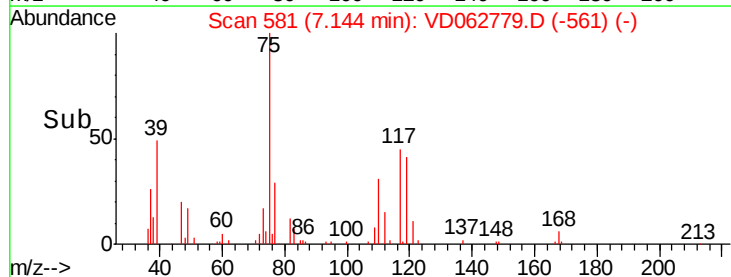
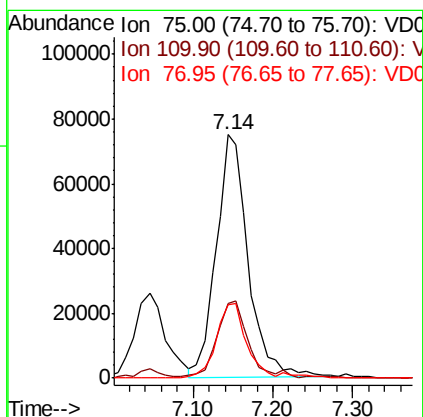
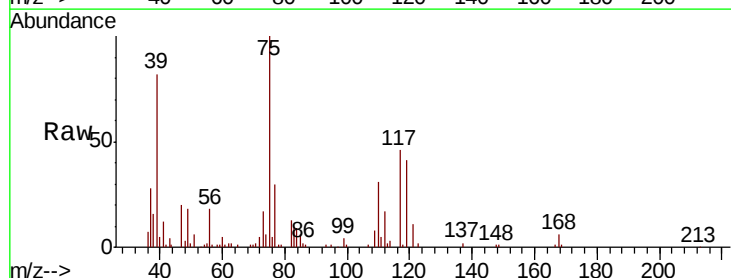
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

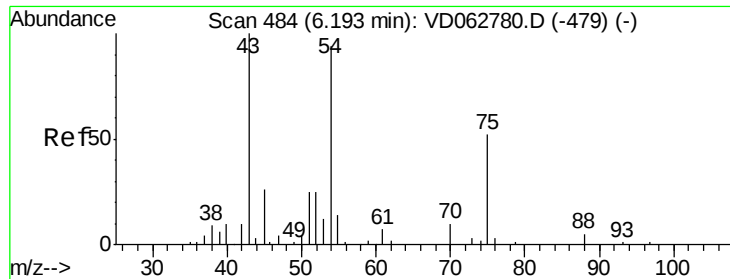
Tot Ion	Ratio	Lower	Upper
113	100		
111	106.2	81.2	121.8
192	19.1	12.9	19.3



#36
 1,1-Dichloropropene
 Concen: 18.413 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.5	15.0	45.1
77	30.0	22.2	33.2

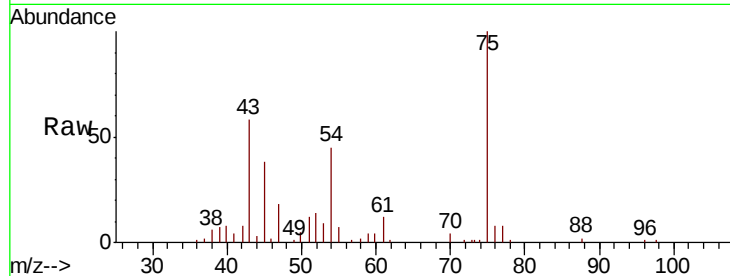




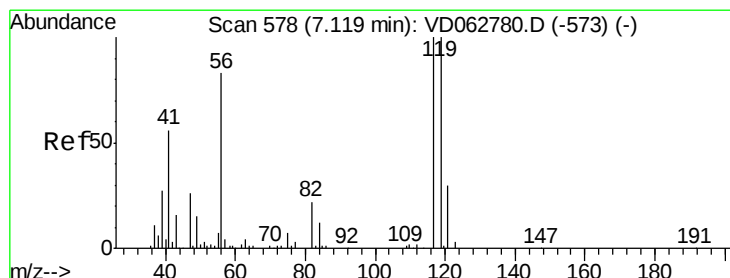
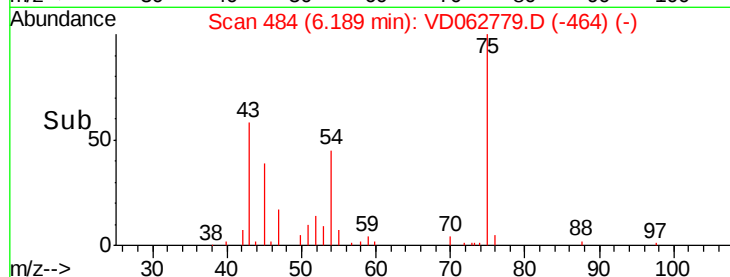
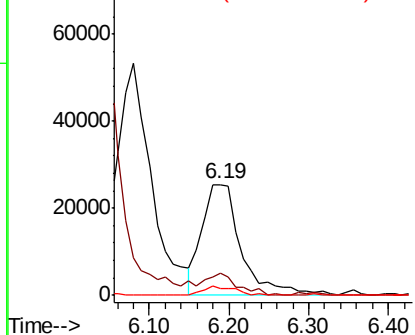
#37
Ethyl Acetate
Concen: 16.707 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 87559
Ion Ratio Lower Upper
43 100
61 20.5 11.6 17.4#
70 6.7 6.4 9.6

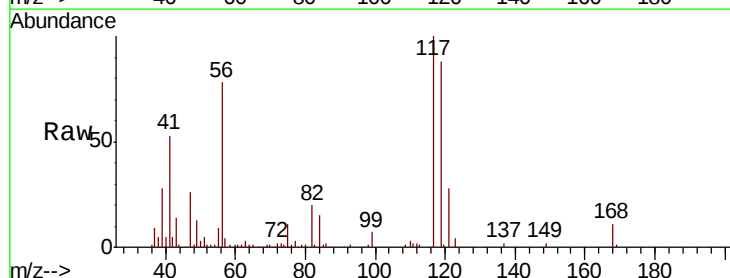


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

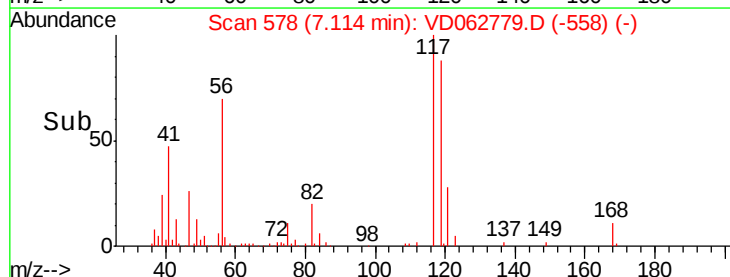
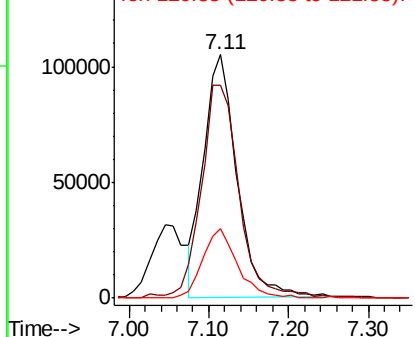


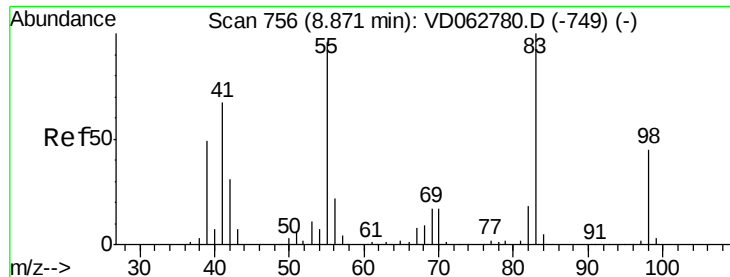
#38
Carbon Tetrachloride
Concen: 17.613 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion: 117 Resp: 308692
Ion Ratio Lower Upper
117 100
119 87.7 75.4 113.2
121 28.3 22.3 33.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

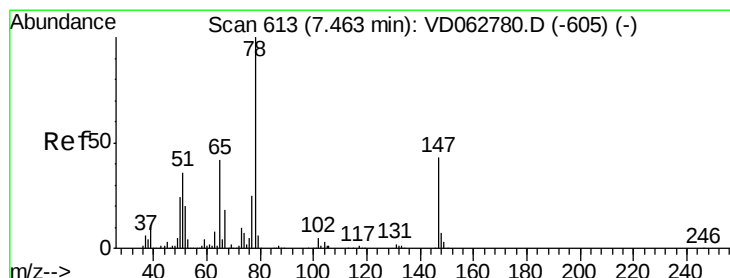
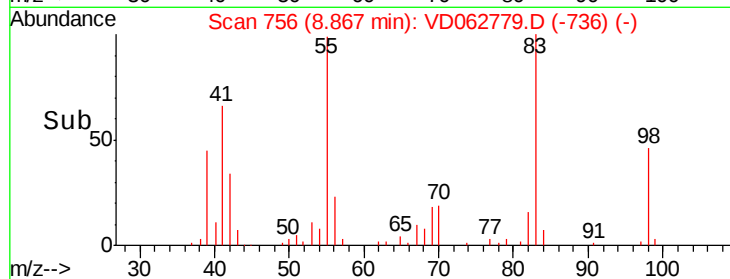
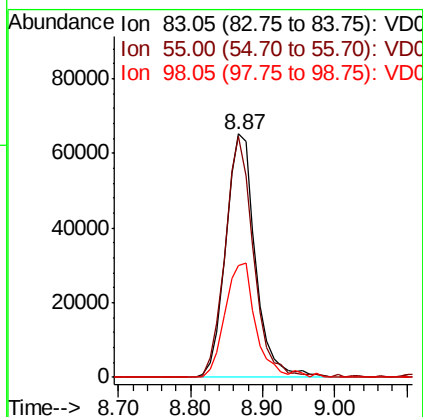
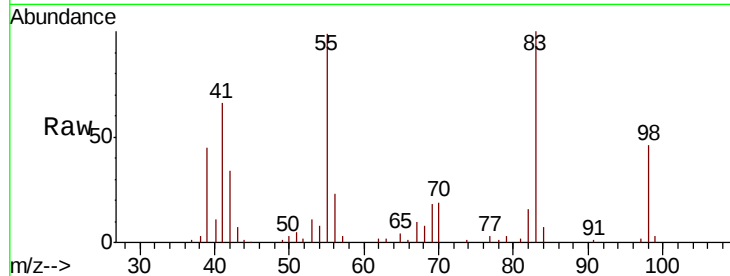




#39
Methvlcvclohexane
Concen: 18.430 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

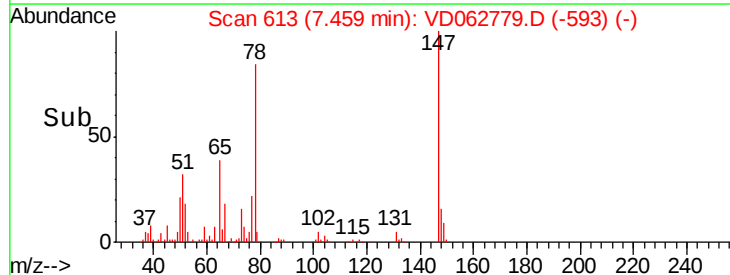
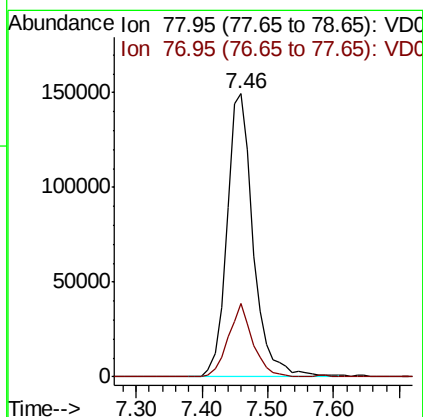
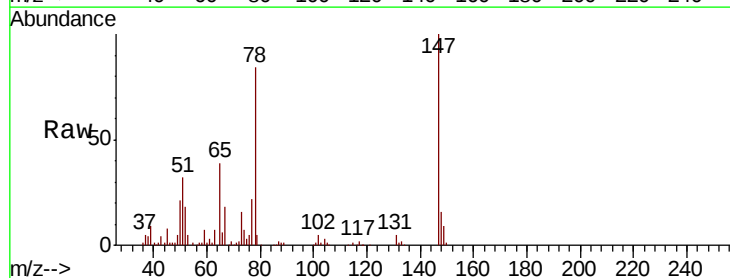
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

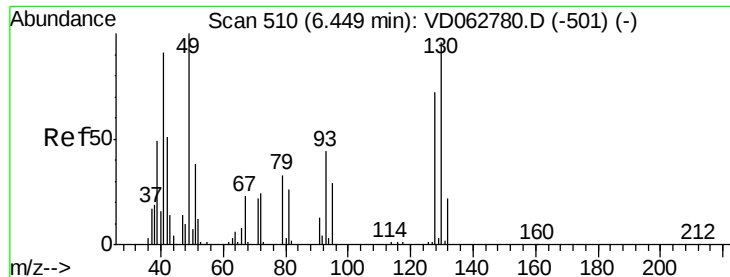
Tot Ion: 83 Resp: 185655
Ion Ratio Lower Upper
83 100
55 98.8 76.6 115.0
98 46.0 35.7 53.5



#40
Benzene
Concen: 18.125 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion: 78 Resp: 416371
Ion Ratio Lower Upper
78 100
77 26.0 20.2 30.2





#41

Methacrylonitrile

Concen: 17.428 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 105181

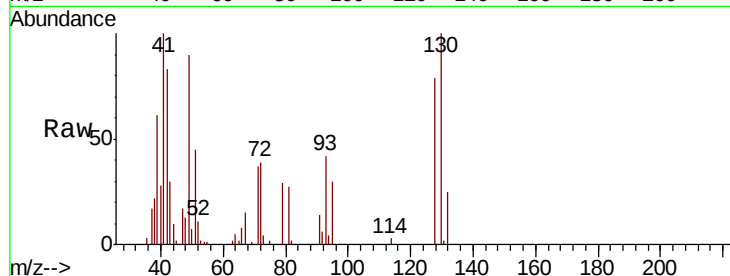
Ion Ratio Lower Upper

41 100

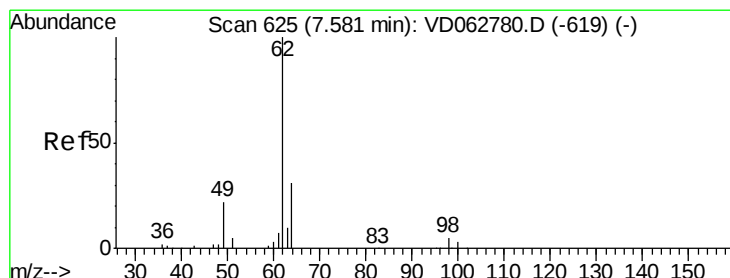
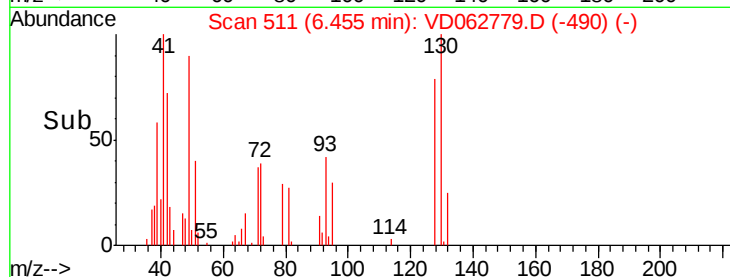
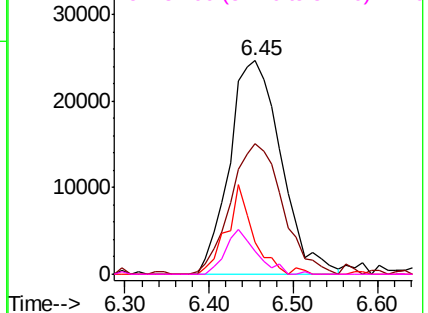
39 61.2 43.2 64.8

67 15.2 19.9 29.9#

52 10.9 10.2 15.4



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



#42

1,2-Dichloroethane

Concen: 18.201 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD062779.D

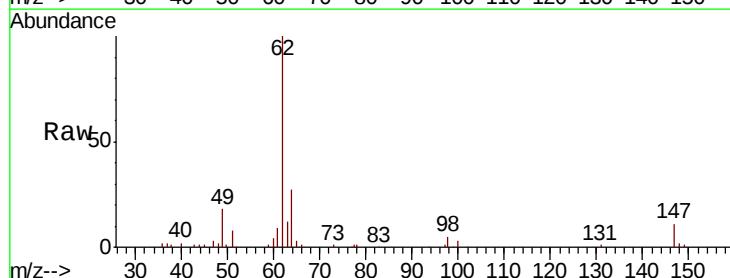
Acq: 19 Jun 2019 15:12

Tgt Ion: 62 Resp: 228082

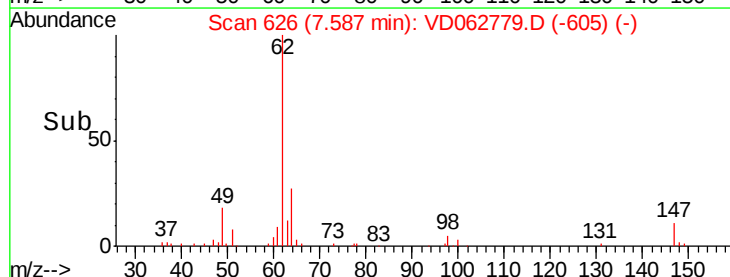
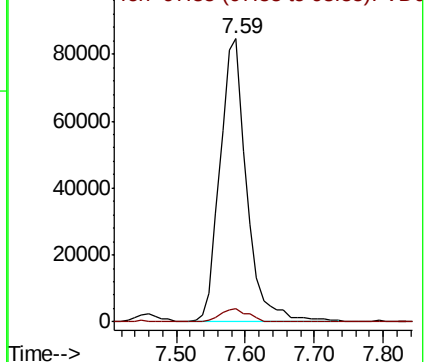
Ion Ratio Lower Upper

62 100

98 4.5 0.0 10.0



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



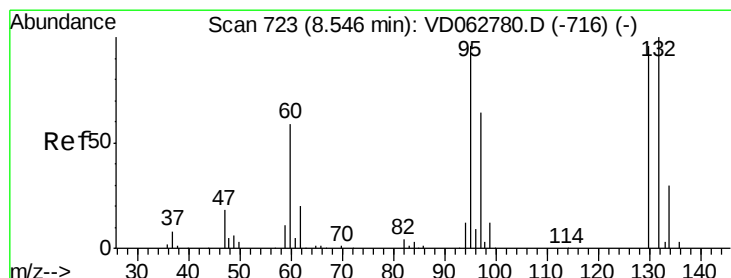
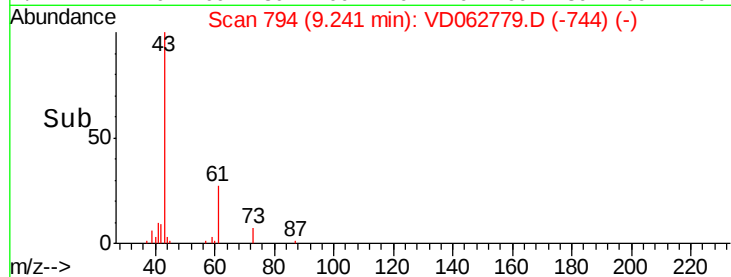
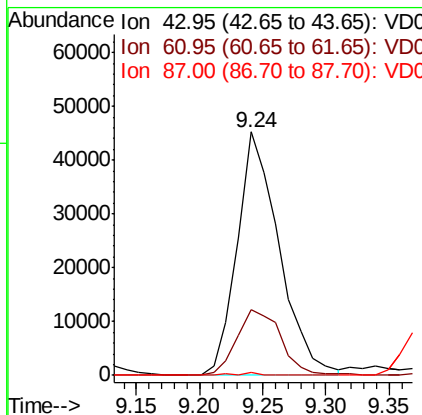
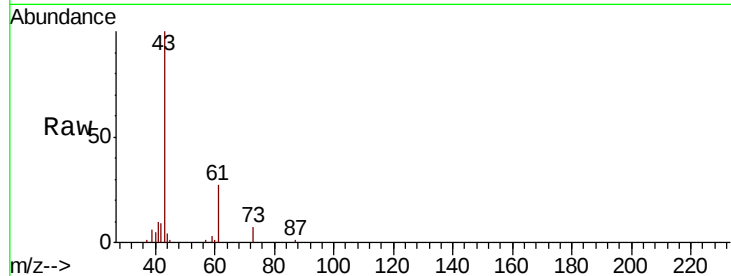


#43

Isopropyl Acetate
 Concen: 17.376 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

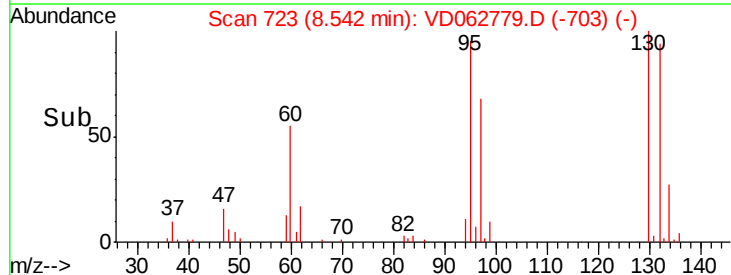
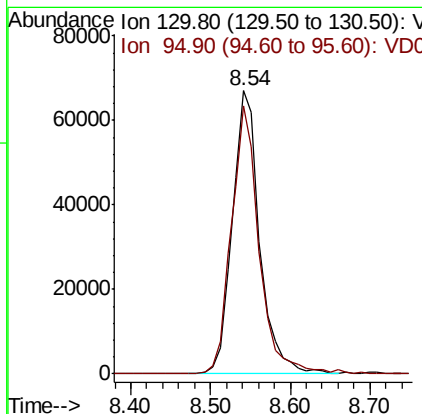
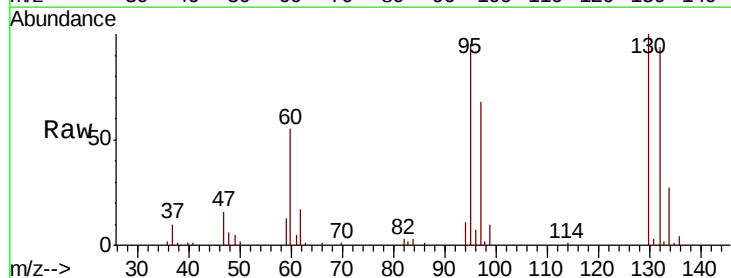
Tot Ion: 43 Resp: 104250
 Ion Ratio Lower Upper
 43 100
 61 27.2 22.4 33.6
 87 1.0 0.3 0.5#

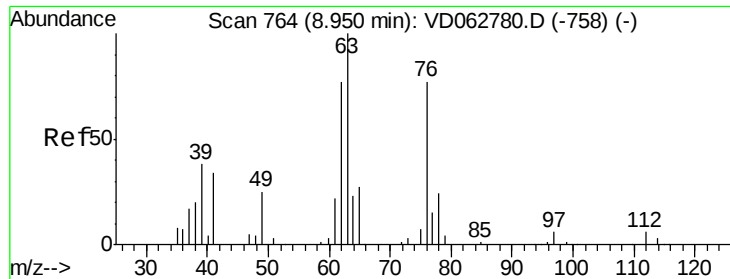


#44

Trichloroethene
 Concen: 17.808 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Tgt Ion: 130 Resp: 160373
 Ion Ratio Lower Upper
 130 100
 95 94.7 0.0 201.6





#45

1,2-Dichloropropane

Concen: 16.697 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

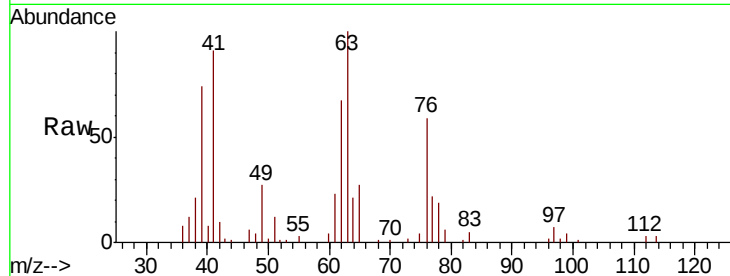
VSTDIC020

Tot Ion: 63 Resp: 95374

Ion Ratio Lower Upper

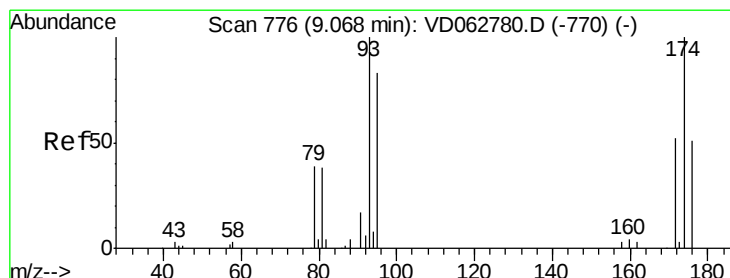
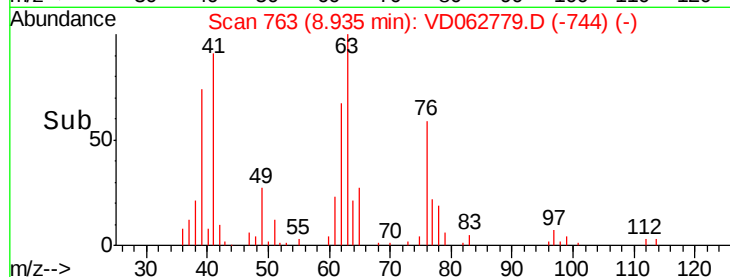
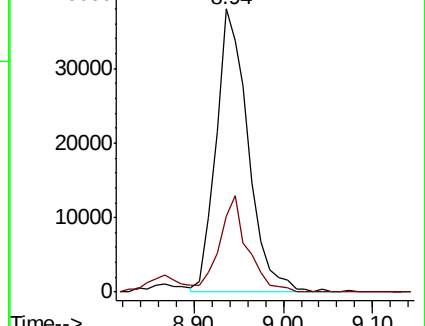
63 100

65 27.1 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 17.530 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

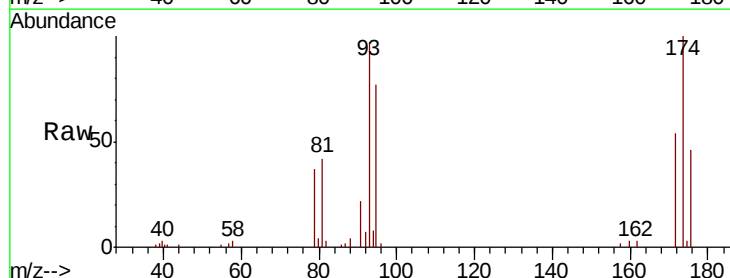
Tgt Ion: 93 Resp: 86013

Ion Ratio Lower Upper

93 100

95 79.5 66.6 100.0

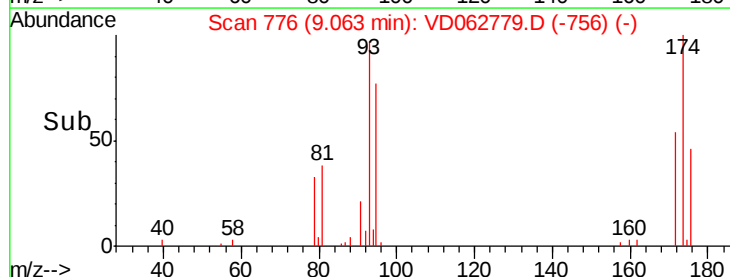
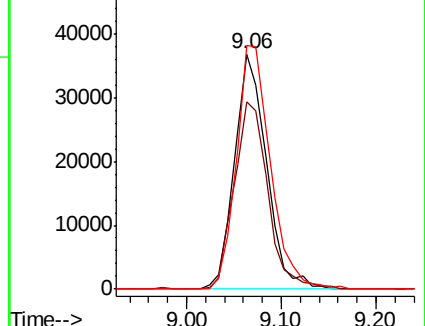
174 103.5 79.7 119.5

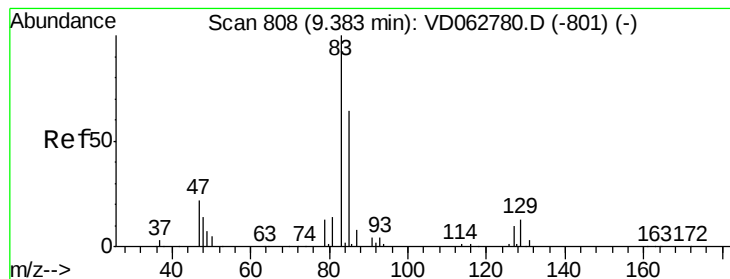


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.048 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

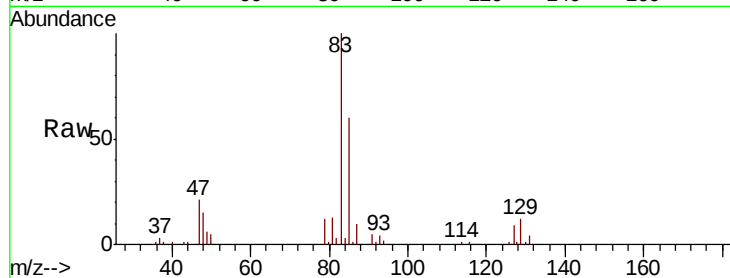
Tot Ion: 83 Resp: 242736

Ion Ratio Lower Upper

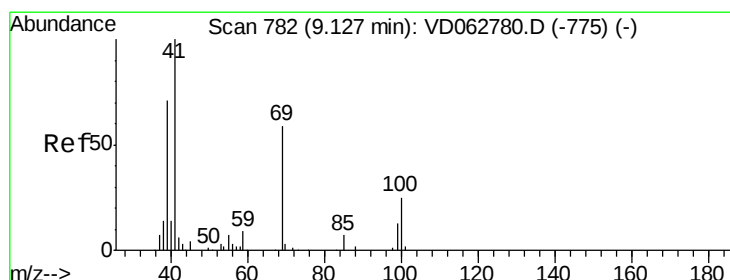
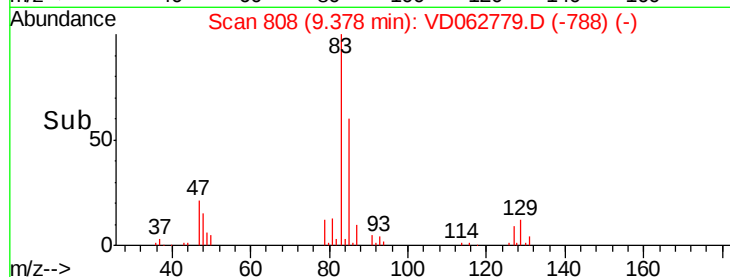
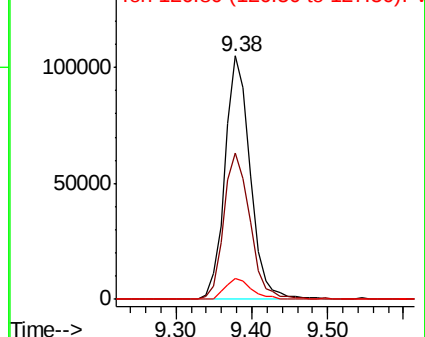
83 100

85 60.3 51.6 77.4

127 8.8 7.8 11.6



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



#48

Methyl methacrylate

Concen: 19.618 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

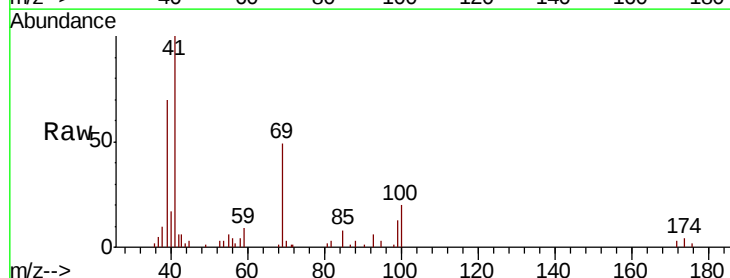
Tgt Ion: 41 Resp: 83642

Ion Ratio Lower Upper

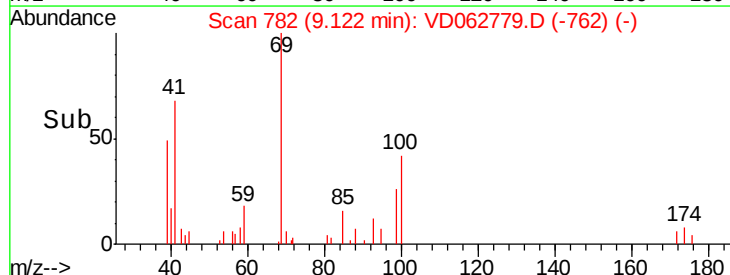
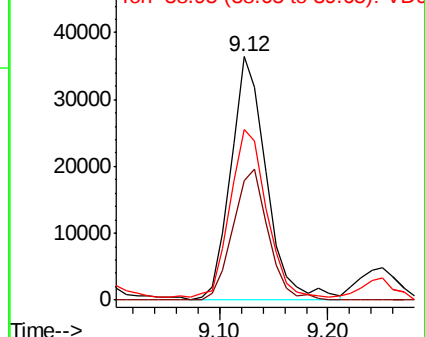
41 100

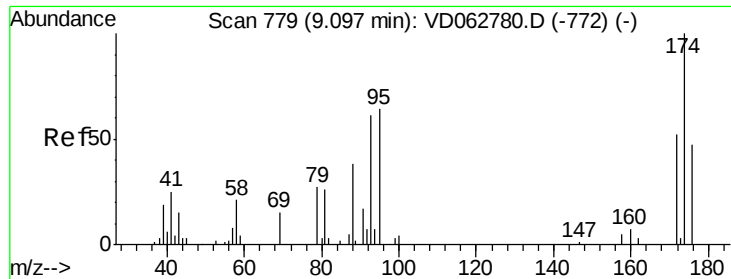
69 49.1 47.2 70.8

39 69.9 57.4 86.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

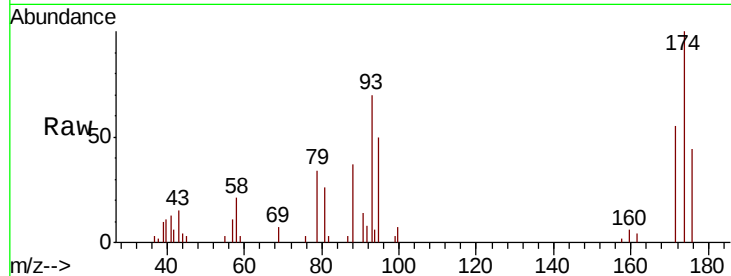




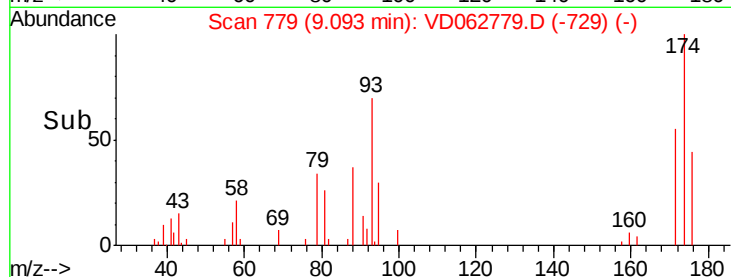
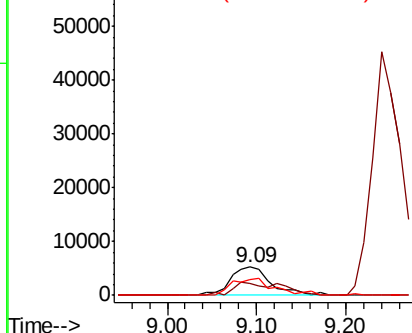
#49
1,4-Dioxane
Concen: 465.728 ug/l
RT: 9.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 16520
Ion Ratio Lower Upper
88 100
43 40.4 32.1 48.1
58 56.0 44.1 66.1

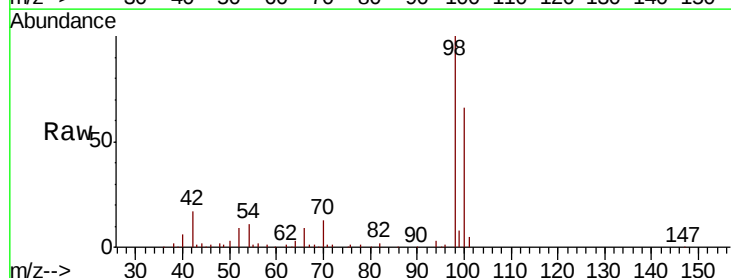


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

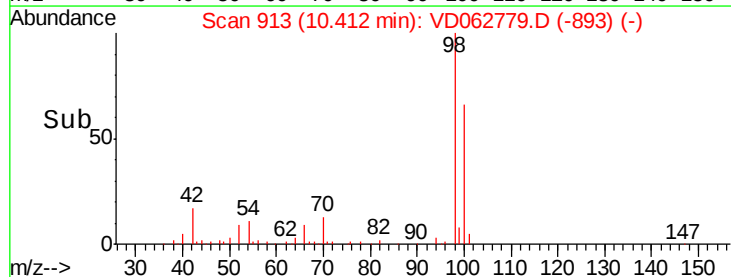
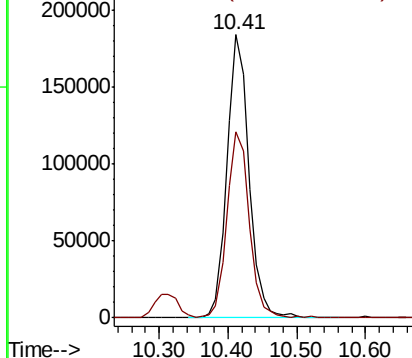


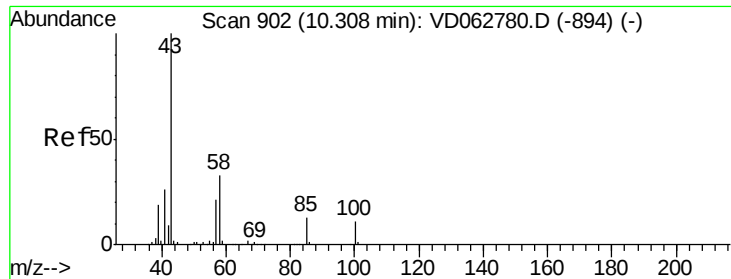
#50
Toluene-d8
Concen: 18.243 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion: 98 Resp: 404722
Ion Ratio Lower Upper
98 100
100 65.5 54.7 82.1



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





#51

4-Methyl-2-Pentanone

Concen: 90.807 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

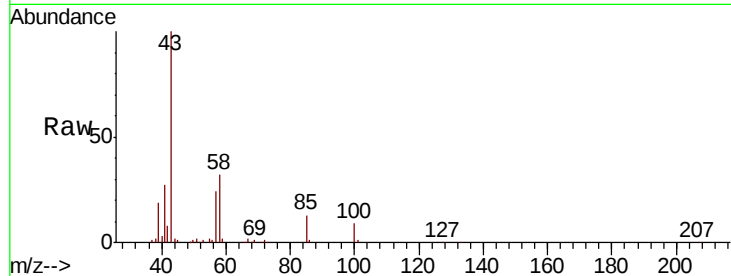
VSTDIC020

Tot Ion: 43 Resp: 386269

Ion Ratio Lower Upper

43 100

58 31.9 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

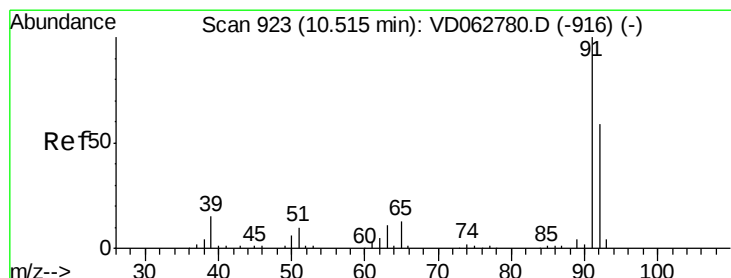
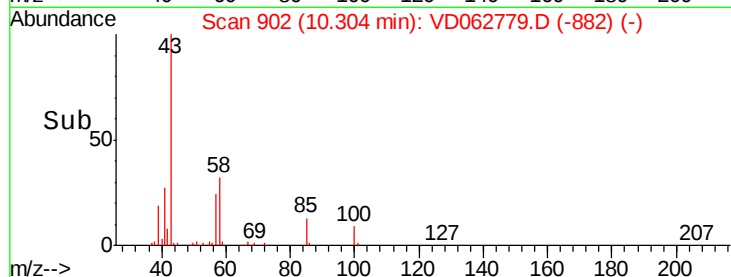
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 17.318 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062779.D

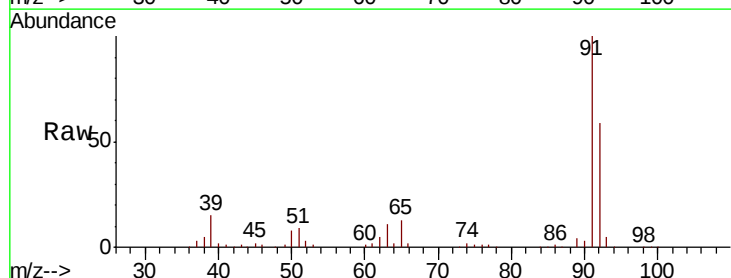
Acq: 19 Jun 2019 15:12

Tgt Ion: 92 Resp: 267423

Ion Ratio Lower Upper

92 100

91 169.7 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

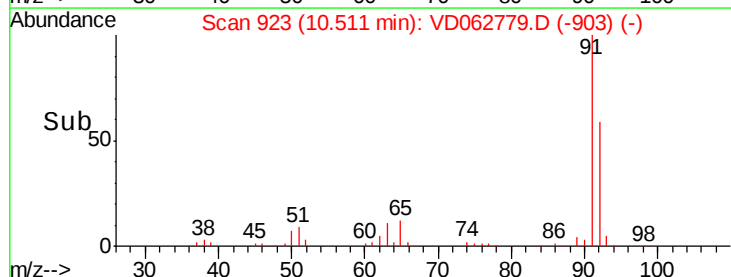
150000

100000

50000

0

Time-->

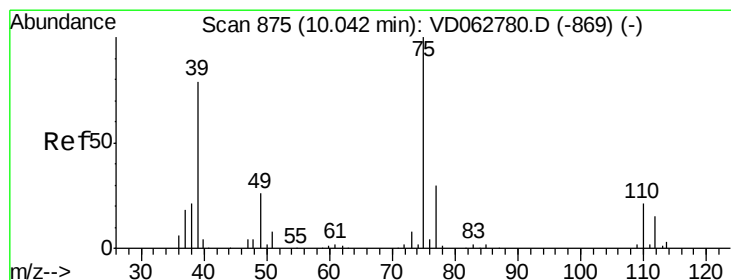
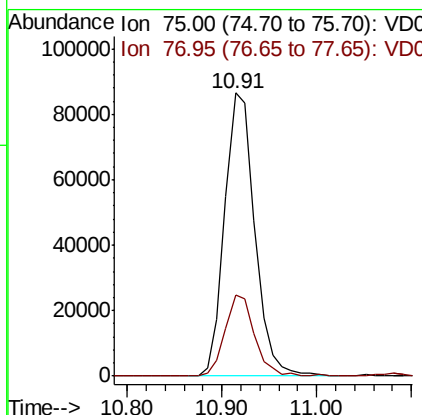
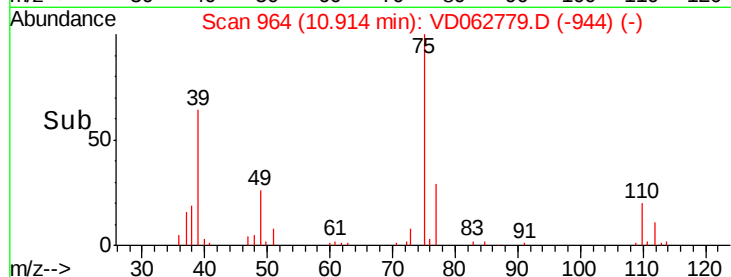
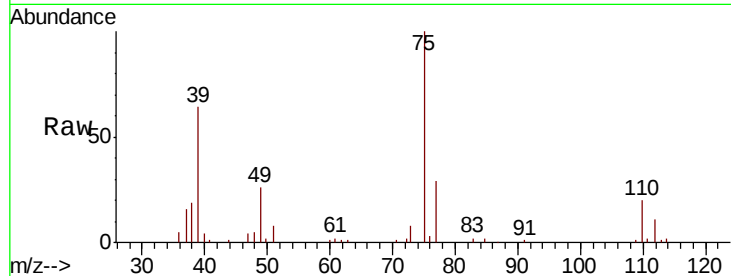




#53
 t-1,3-Dichloropropene
 Concen: 18.293 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

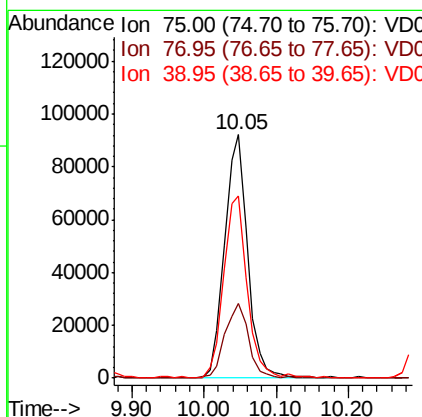
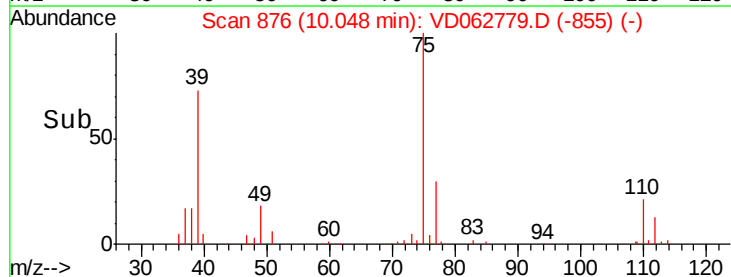
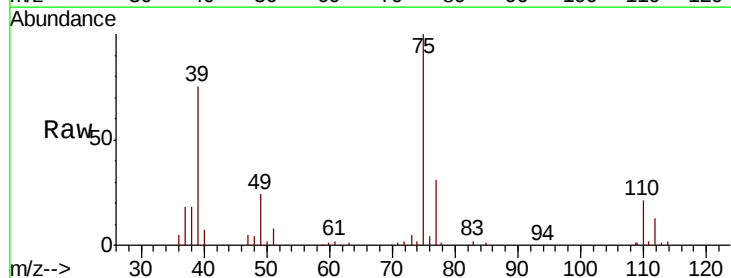
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

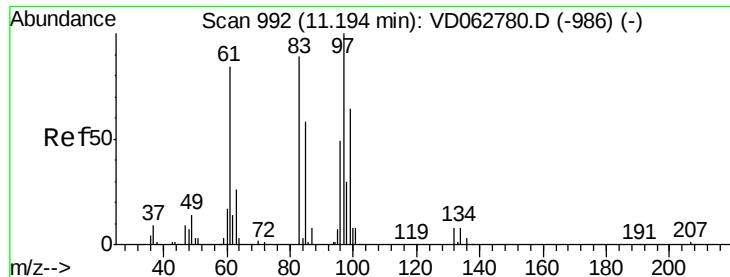
Tot Ion: 75 Resp: 190797
 Ion Ratio Lower Upper
 75 100
 77 28.9 23.2 34.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.021 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Tgt Ion: 75 Resp: 204299
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.2 36.2
 39 74.8 63.5 95.3

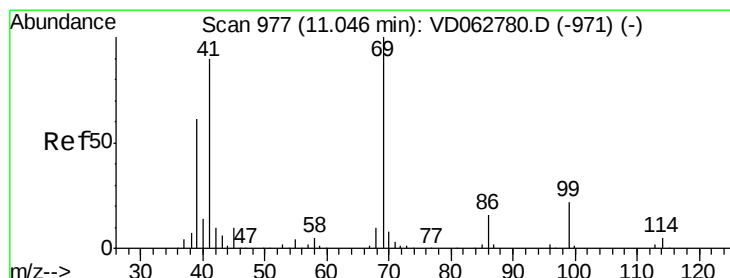
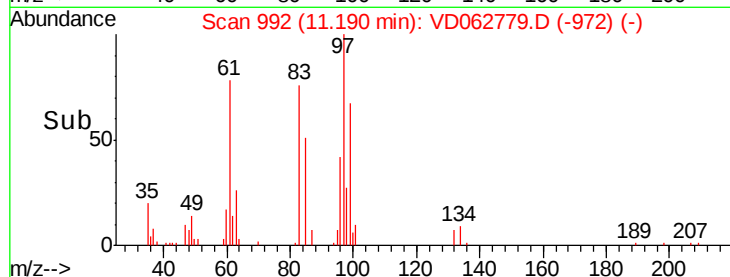
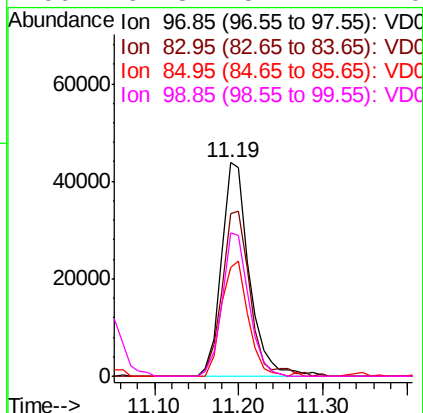
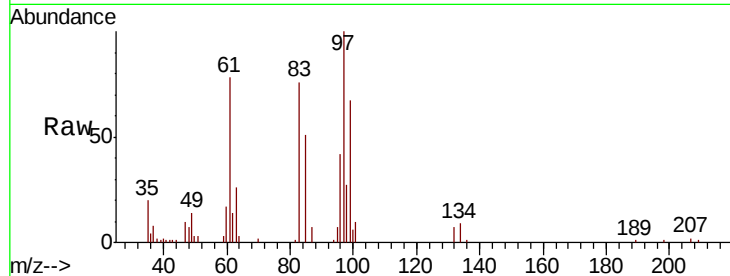




#55
1,1,2-Trichloroethane
Concen: 18.909 ug/l
RT: 11.19 min Scan# 992
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

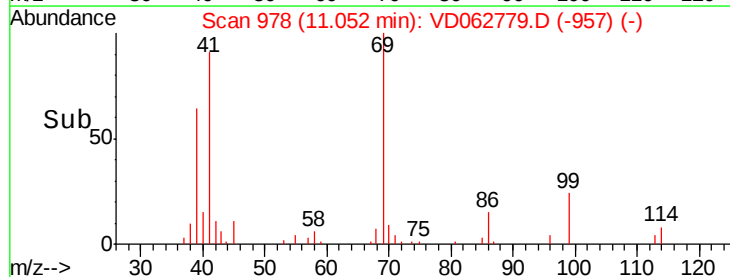
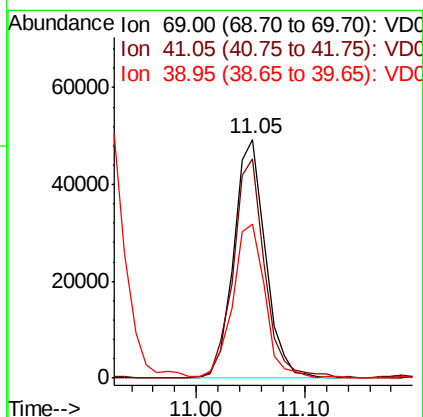
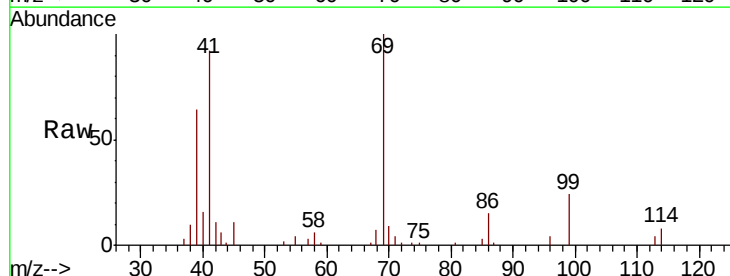
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

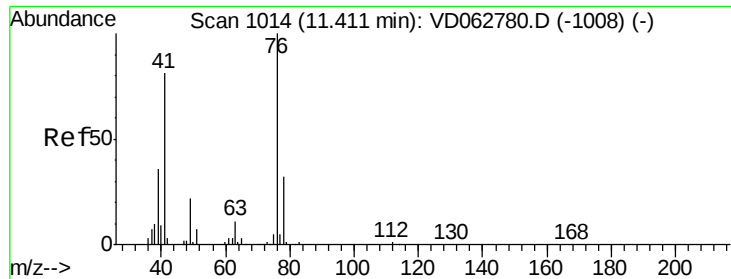
Tot Ion:	97	Resp:	100315
Ion	Ratio	Lower	Upper
97	100		
83	76.3	71.0	106.4
85	50.8	46.6	69.8
99	67.3	51.4	77.0



#56
Ethyl methacrylate
Concen: 17.646 ug/l
RT: 11.05 min Scan# 978
Delta R.T. 0.01 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion:	69	Resp:	100046
Ion	Ratio	Lower	Upper
69	100		
41	91.7	72.0	108.0
39	64.5	49.5	74.3





#57

1,3-Dichloropropane

Concen: 17.456 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

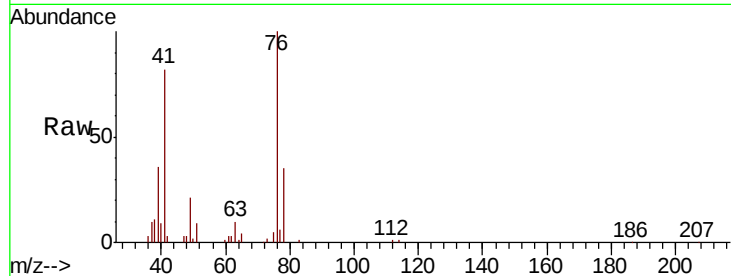
VSTDIC020

Tot Ion: 76 Resp: 141799

Ion Ratio Lower Upper

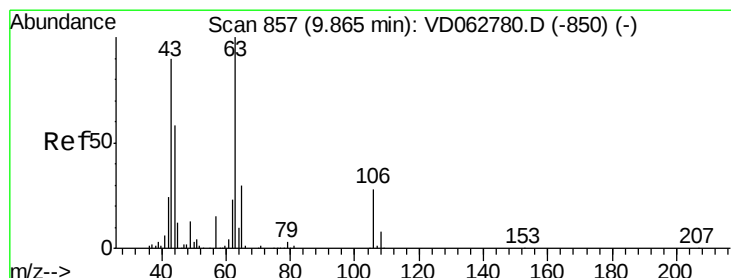
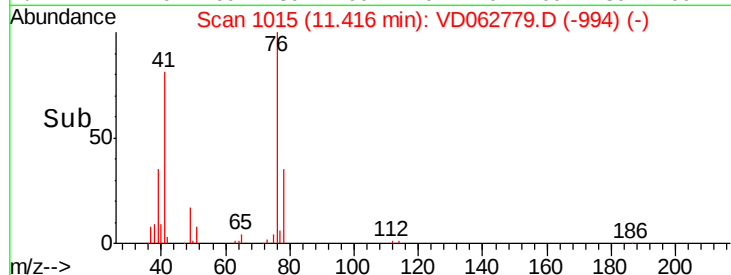
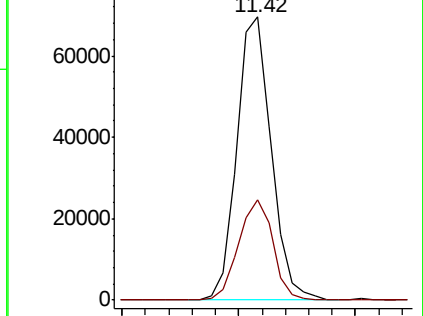
76 100

78 35.5 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 95.410 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062779.D

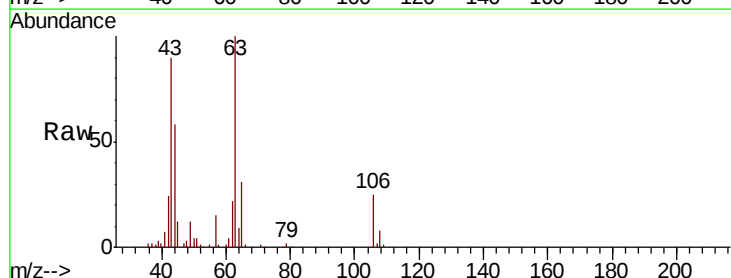
Acq: 19 Jun 2019 15:12

Tgt Ion: 63 Resp: 277704

Ion Ratio Lower Upper

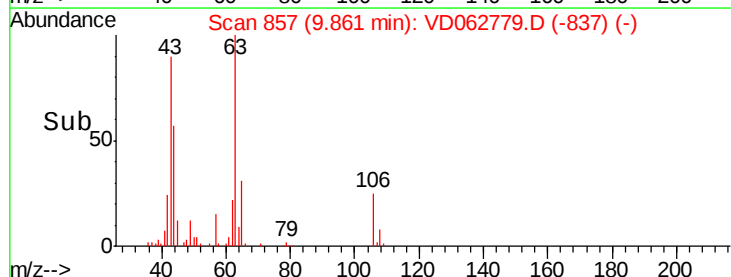
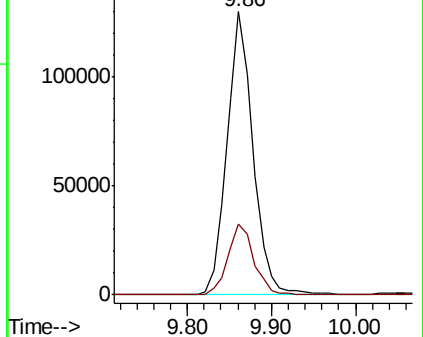
63 100

106 24.8 22.1 33.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#59

2-Hexanone

Concen: 90.716 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

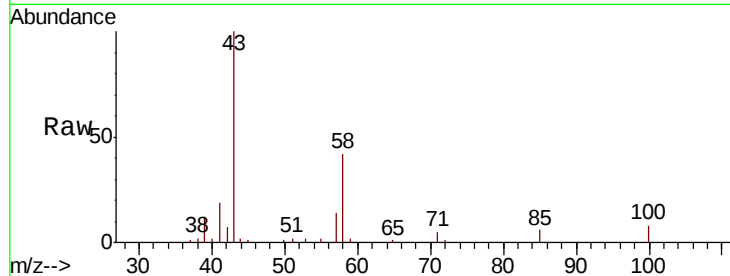
VSTDIC020

Tot Ion: 43 Resp: 274821

Ion Ratio Lower Upper

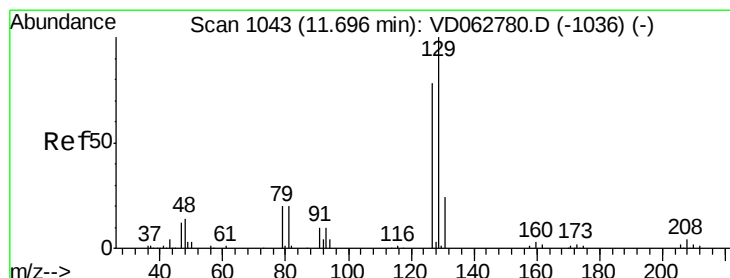
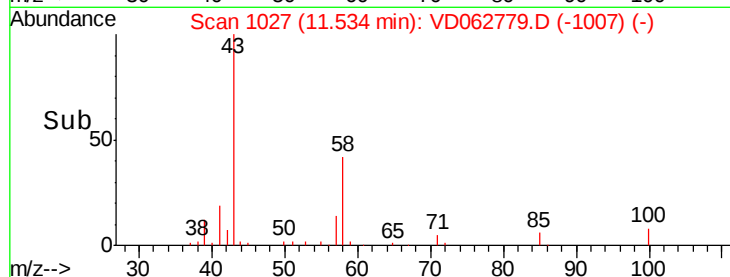
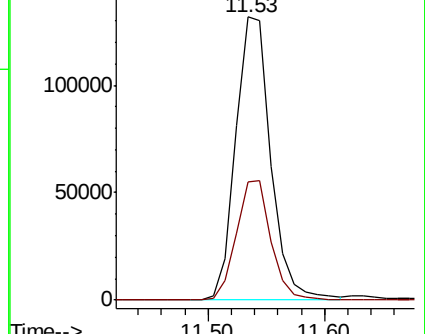
43 100

58 41.8 22.4 67.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 18.554 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VD062779.D

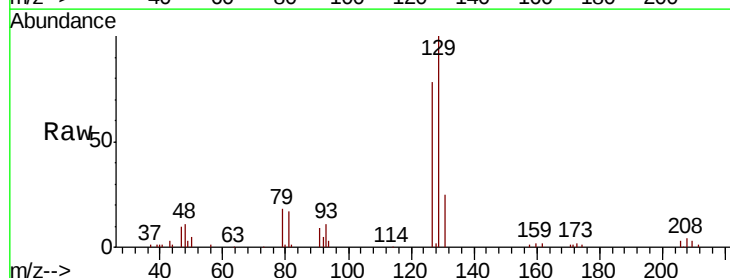
Acq: 19 Jun 2019 15:12

Tgt Ion: 129 Resp: 183344

Ion Ratio Lower Upper

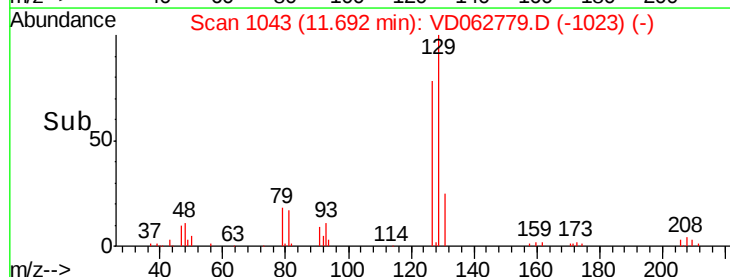
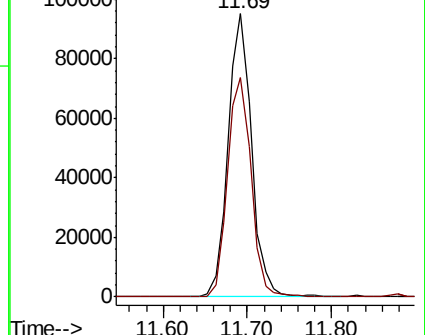
129 100

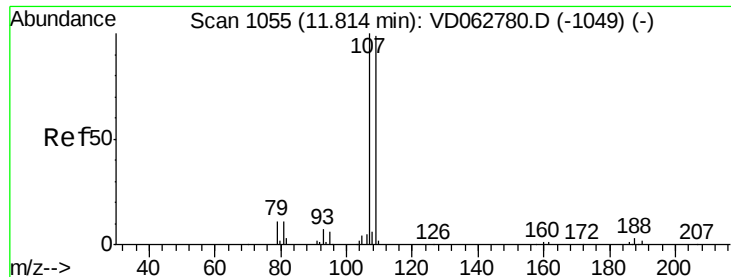
127 77.7 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 18.412 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

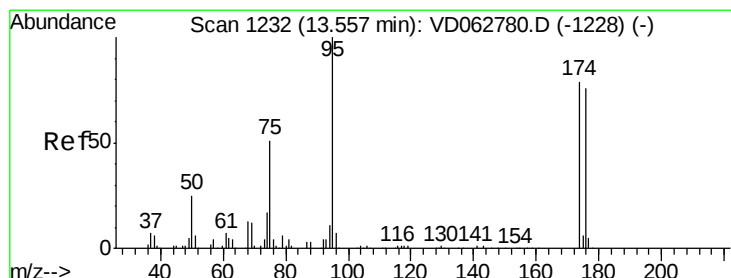
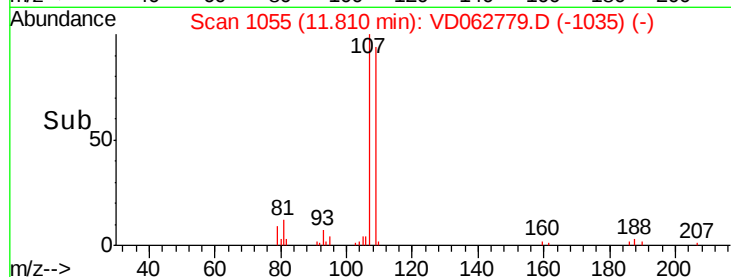
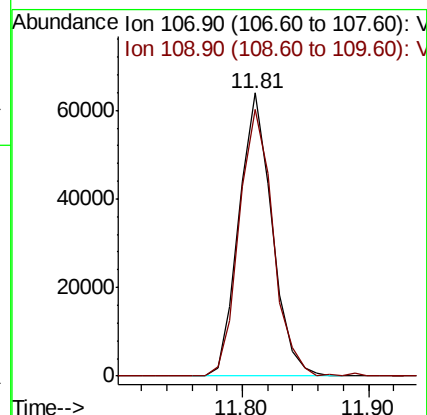
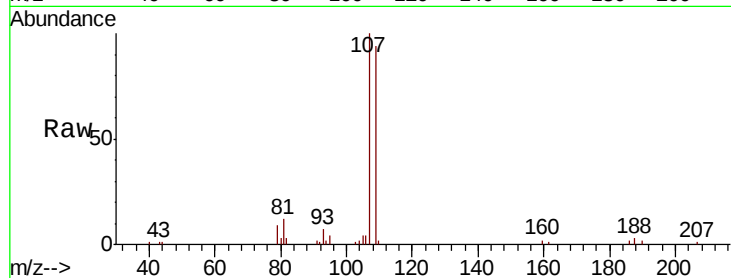
VSTDIC020

Tot Ion:107 Resp: 115363

Ion Ratio Lower Upper

107 100

109 94.5 79.3 118.9



#62

4-Bromofluorobenzene

Concen: 19.618 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

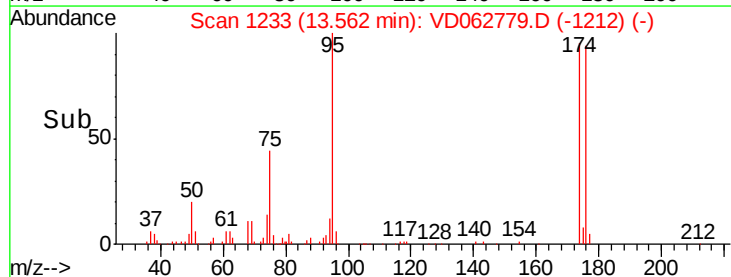
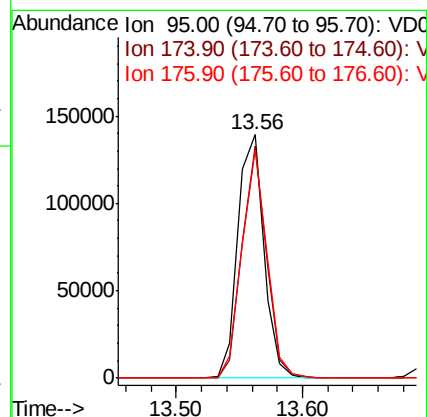
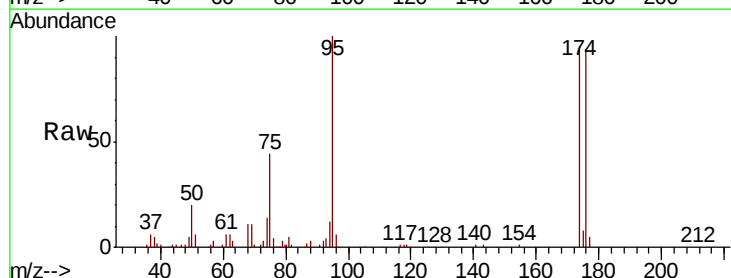
Tgt Ion: 95 Resp: 197906

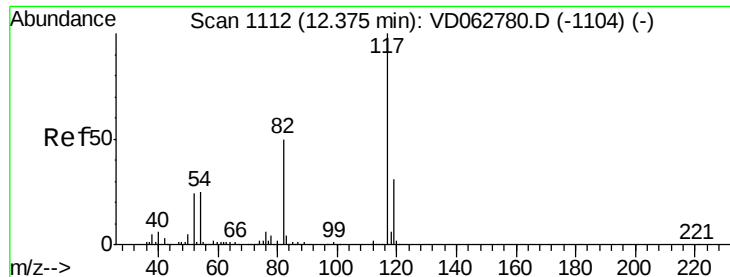
Ion Ratio Lower Upper

95 100

174 95.4 0.0 158.0

176 93.9 0.0 151.6

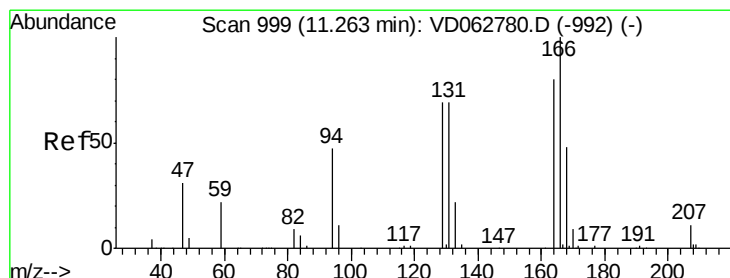
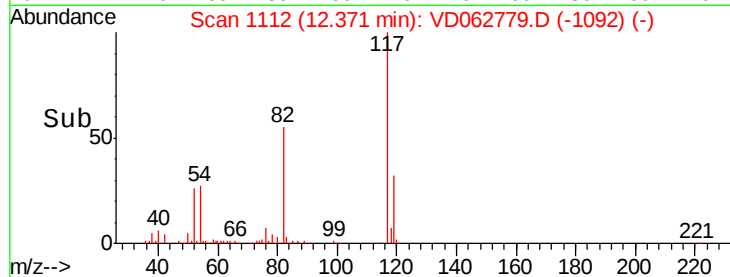
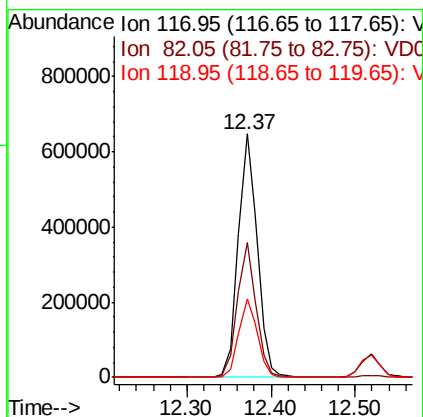
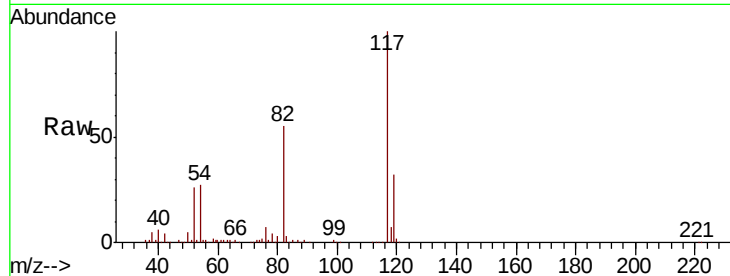




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

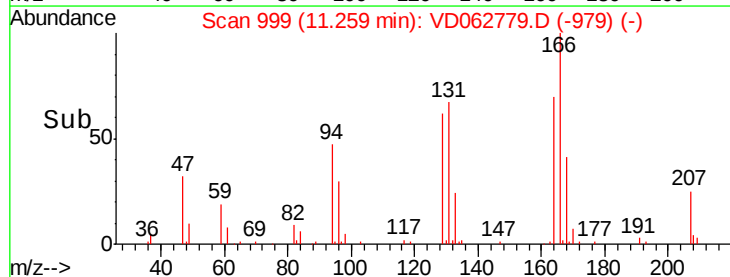
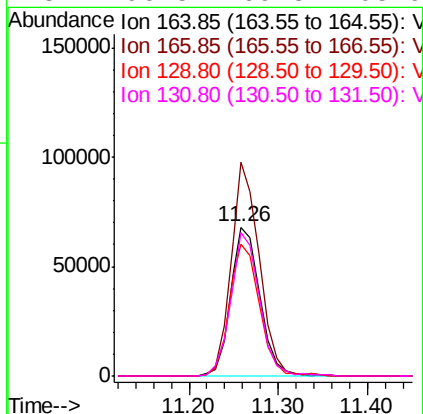
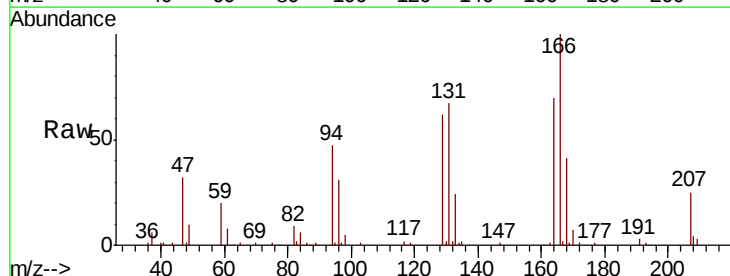
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

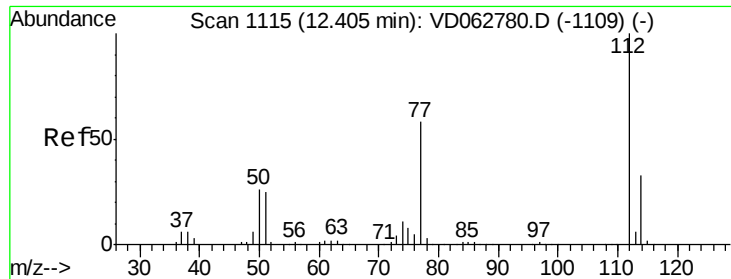
Tot Ion:117 Resp: 1020726
Ion Ratio Lower Upper
117 100
82 55.1 40.4 60.6
119 32.3 25.2 37.8



#64
Tetrachloroethene
Concen: 18.508 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion:164 Resp: 155480
Ion Ratio Lower Upper
164 100
166 143.7 100.6 150.8
129 88.5 69.4 104.0
131 96.5 69.3 103.9

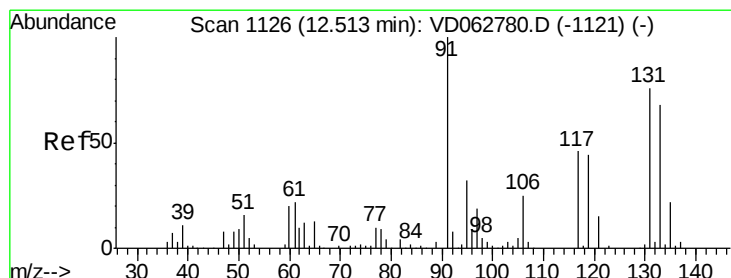
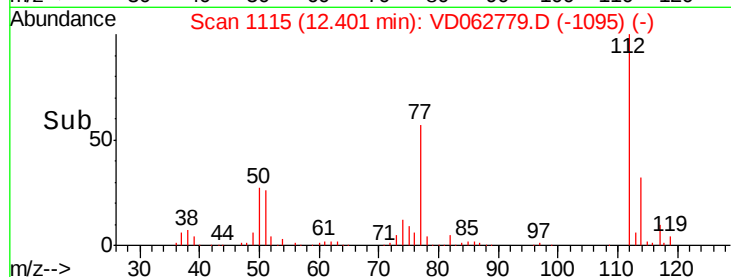
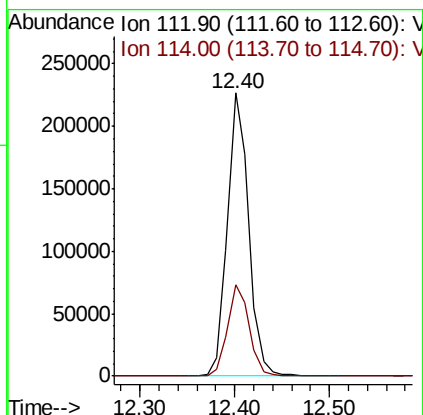
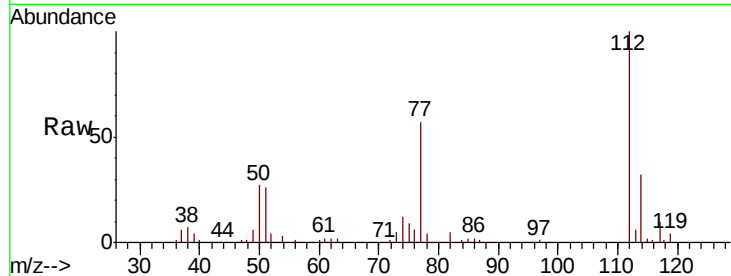




#65
Chlorobenzene
Concen: 18.575 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

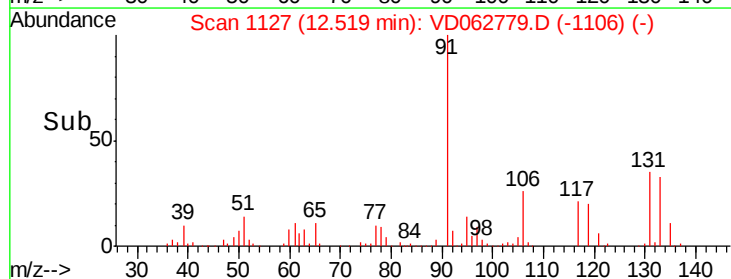
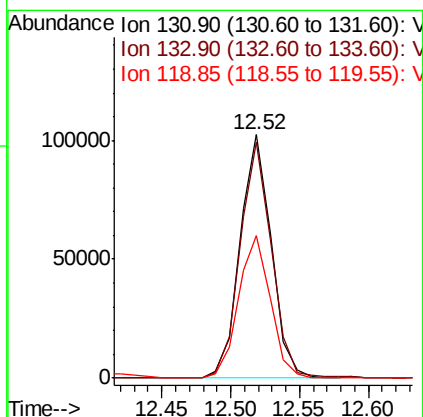
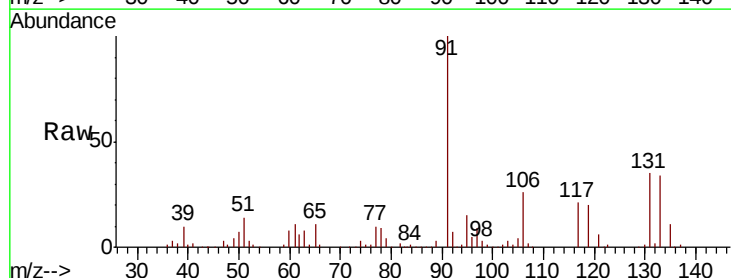
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

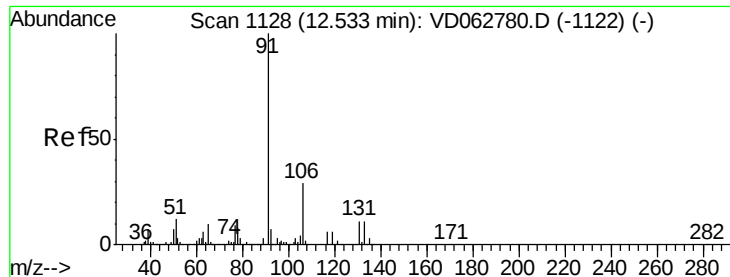
Tot Ion:112 Resp: 351880
Ion Ratio Lower Upper
112 100
114 32.4 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.341 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion:131 Resp: 162485
Ion Ratio Lower Upper
131 100
133 96.7 44.5 133.3
119 58.6 28.6 85.9

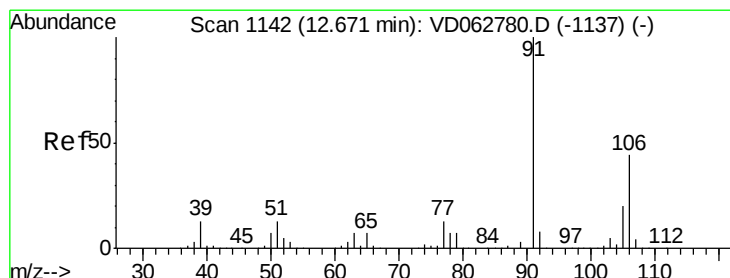
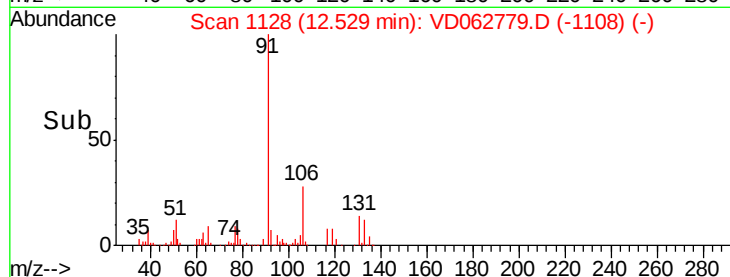
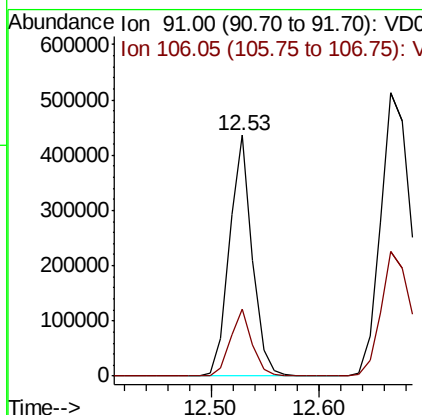
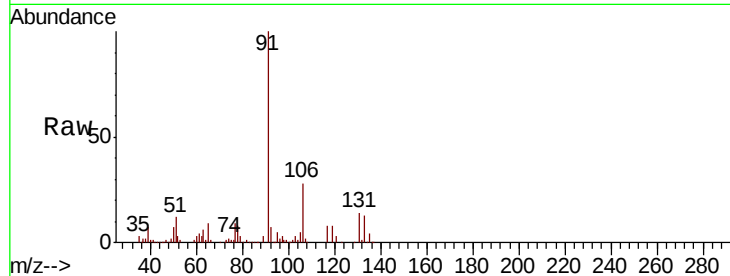




#67
Ethyl Benzene
Concen: 18.728 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

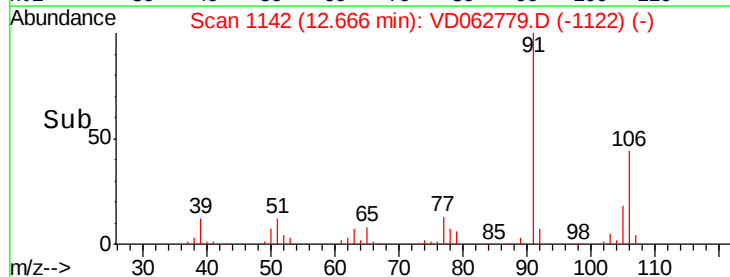
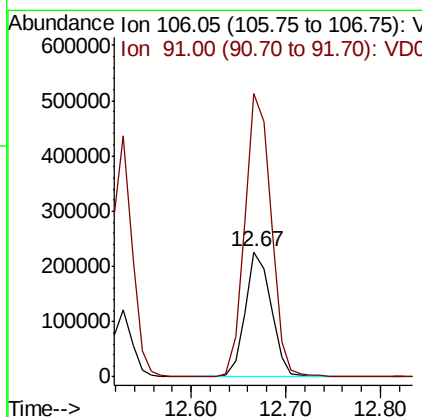
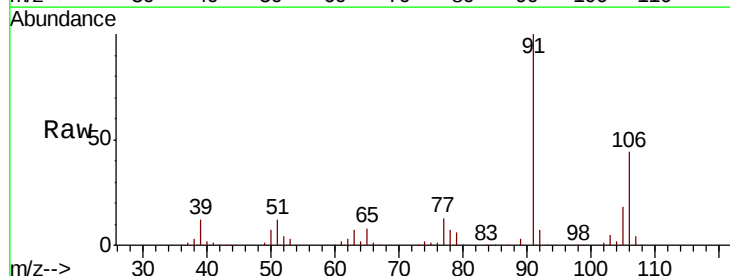
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

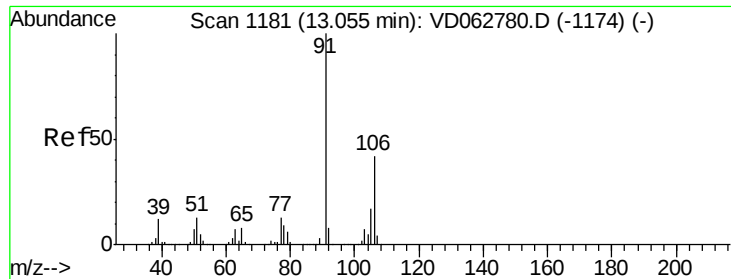
Tot Ion: 91 Resp: 636947
Ion Ratio Lower Upper
91 100
106 27.7 23.1 34.7



#68
m/p-Xylenes
Concen: 36.215 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion: 106 Resp: 428988
Ion Ratio Lower Upper
106 100
91 226.4 183.0 274.6

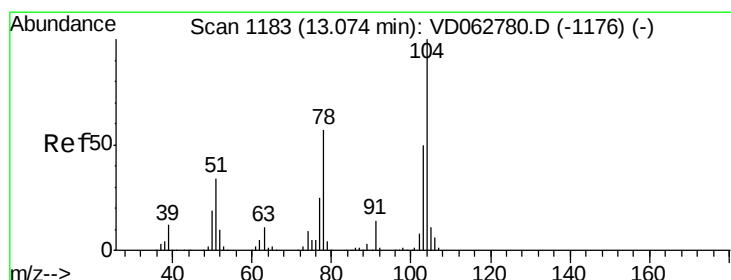
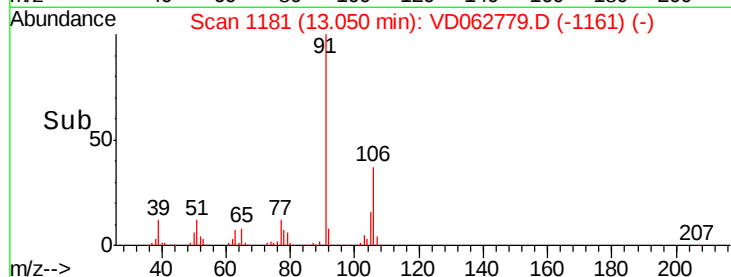
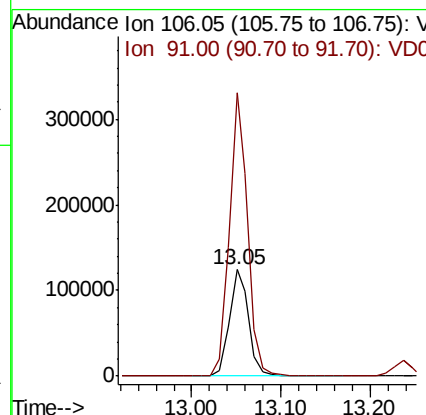
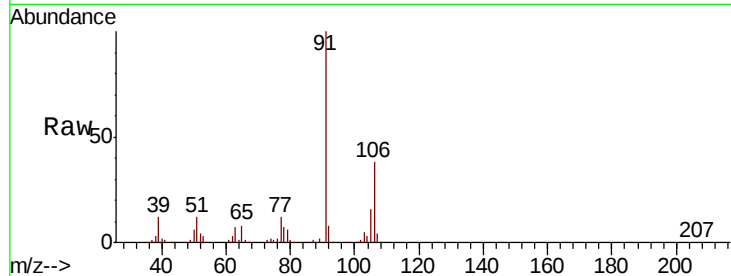




#69
o-Xylene
Concen: 17.506 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

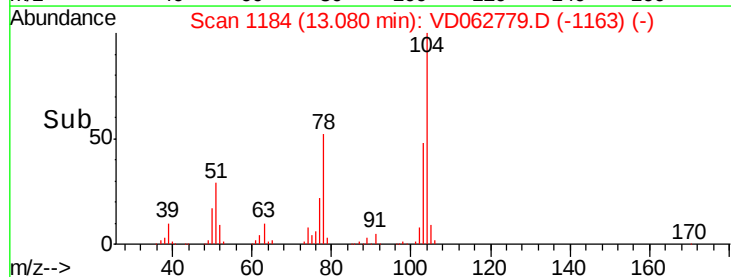
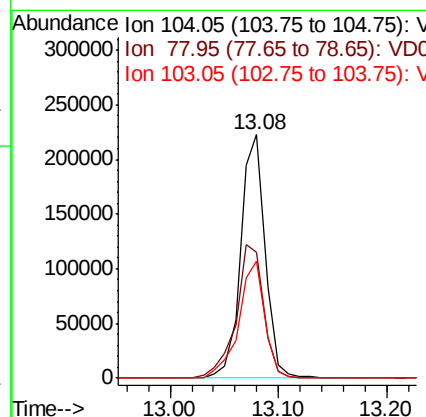
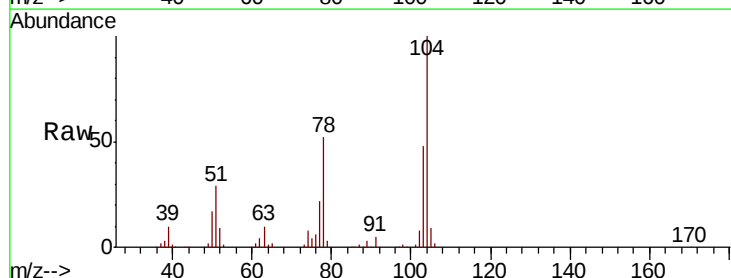
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 189566
Ion Ratio Lower Upper
106 100
91 266.1 117.9 353.6



#70
Styrene
Concen: 18.276 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion:104 Resp: 347625
Ion Ratio Lower Upper
104 100
78 51.8 45.4 68.2
103 47.8 39.7 59.5

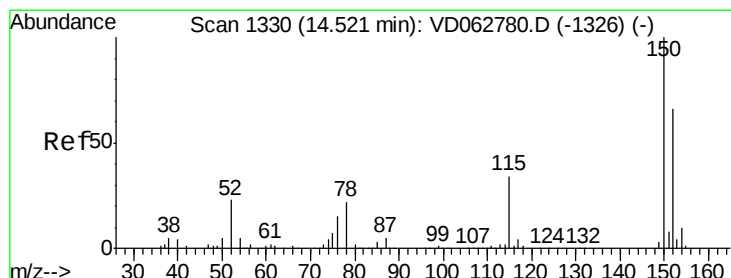
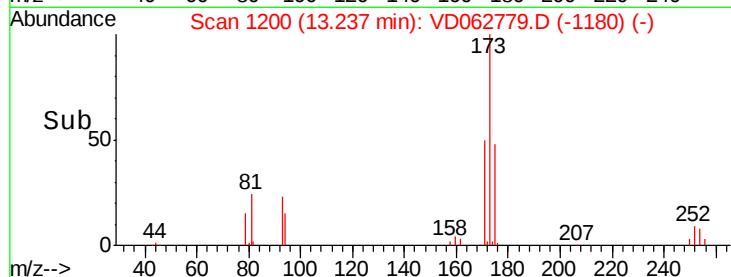
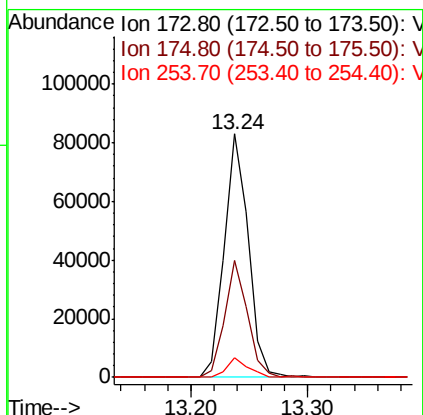
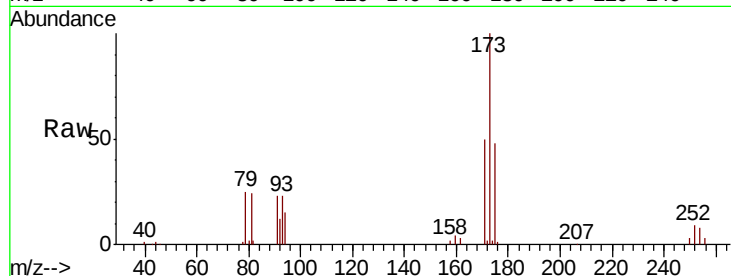




#71
Bromoform
Concen: 19.453 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

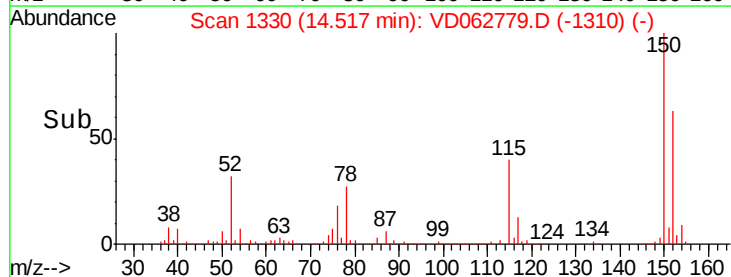
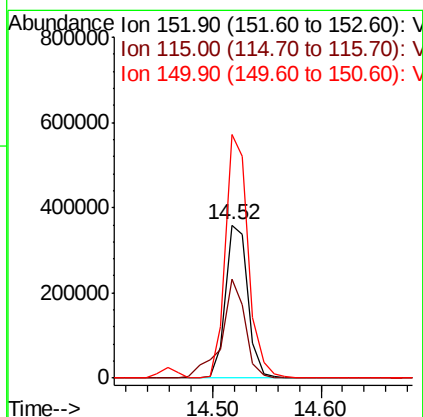
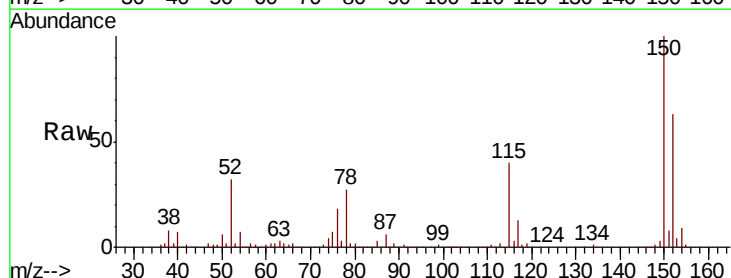
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

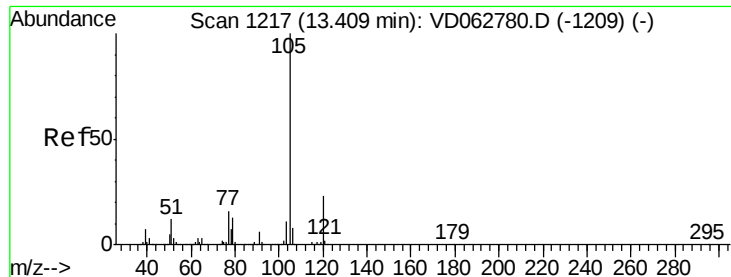
Tot Ion:173 Resp: 118076
Ion Ratio Lower Upper
173 100
175 47.9 25.3 75.9
254 8.1 7.1 10.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion:152 Resp: 516592
Ion Ratio Lower Upper
152 100
115 64.3 29.2 87.6
150 158.8 0.0 305.8





#73

Isopropylbenzene

Concen: 20.525 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

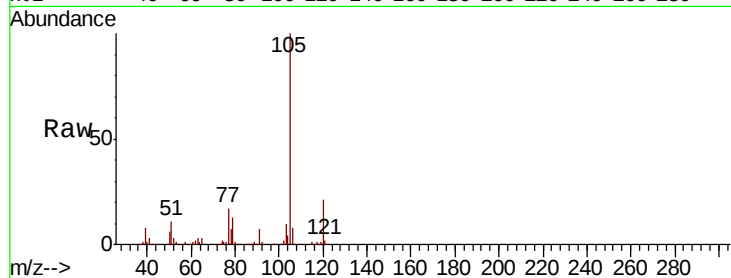
VSTDIC020

Tot Ion:105 Resp: 679862

Ion Ratio Lower Upper

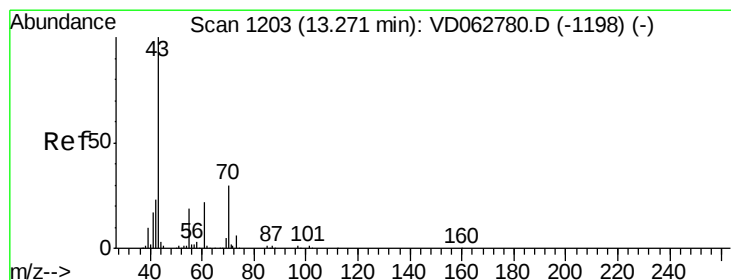
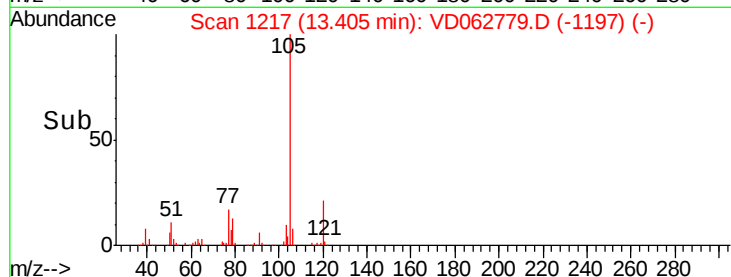
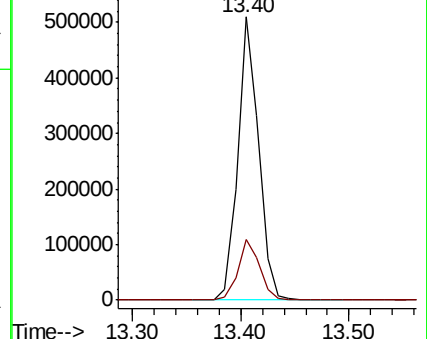
105 100

120 21.2 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.573 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Tgt Ion: 43 Resp: 157441

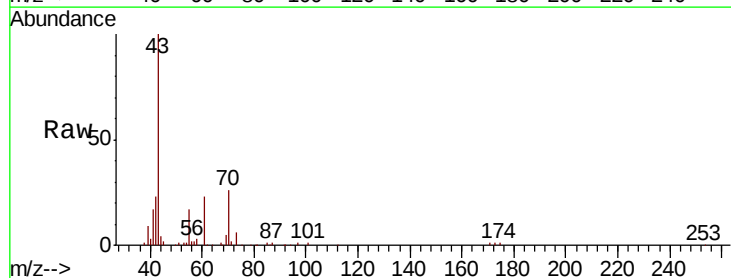
Ion Ratio Lower Upper

43 100

70 26.5 24.4 36.6

55 17.2 15.2 22.8

61 22.9 17.4 26.2

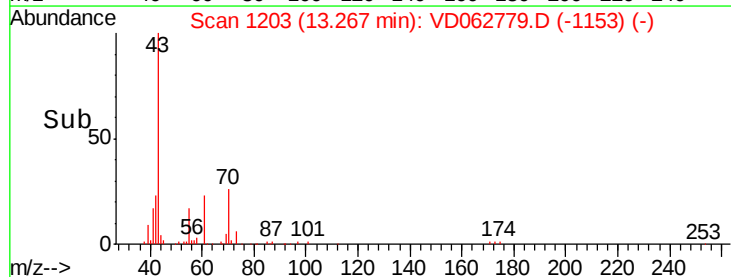
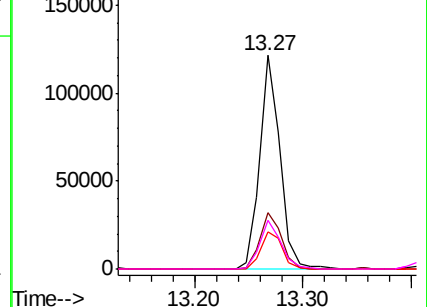


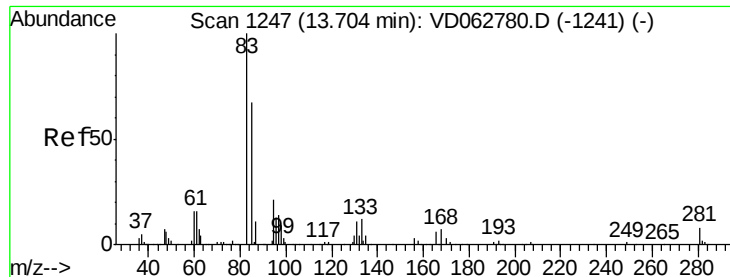
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.477 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

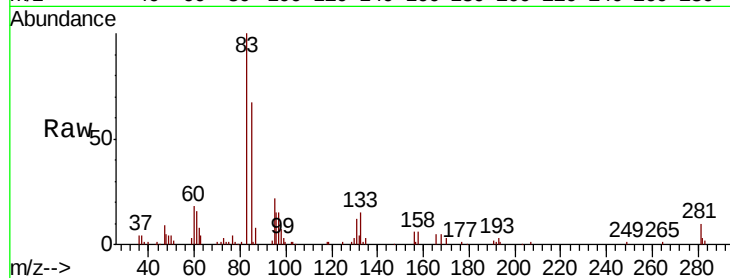
Tot Ion: 83 Resp: 110513

Ion Ratio Lower Upper

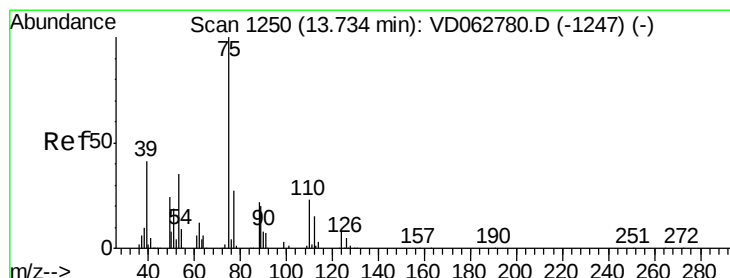
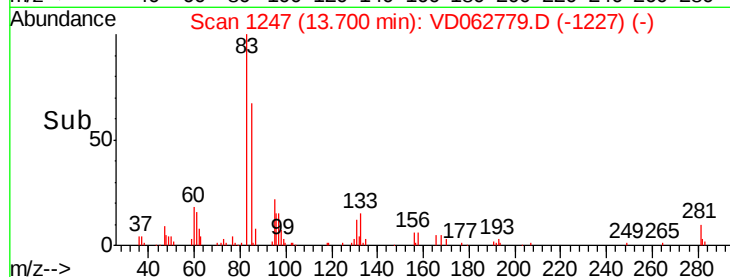
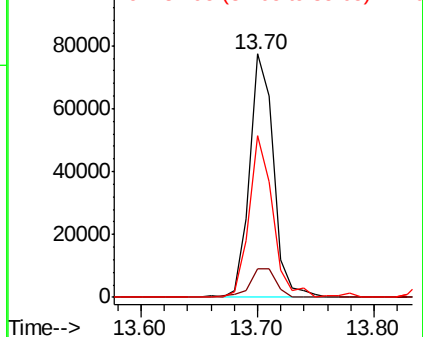
83 100

131 11.7 5.3 16.1

85 66.6 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.370 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062779.D

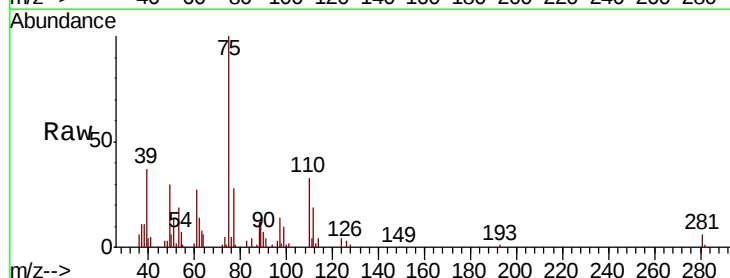
Acq: 19 Jun 2019 15:12

Tgt Ion: 75 Resp: 115516

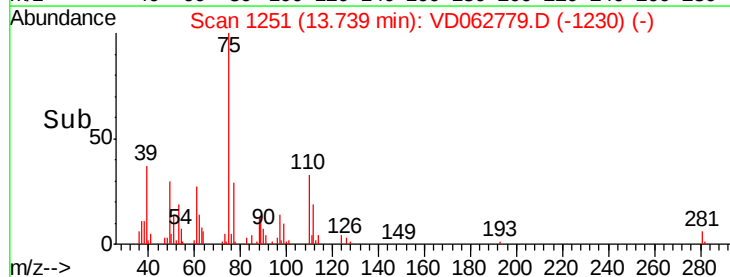
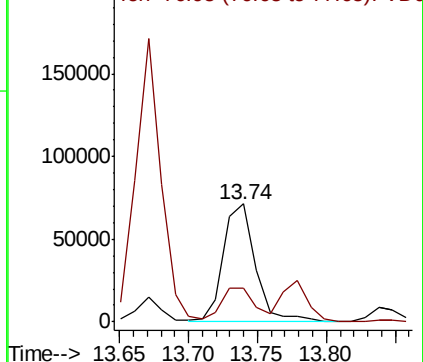
Ion Ratio Lower Upper

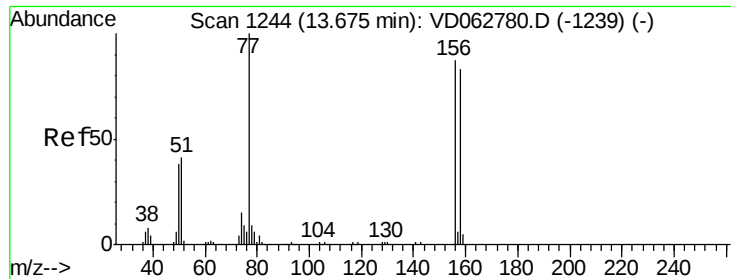
75 100

77 28.5 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.184 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

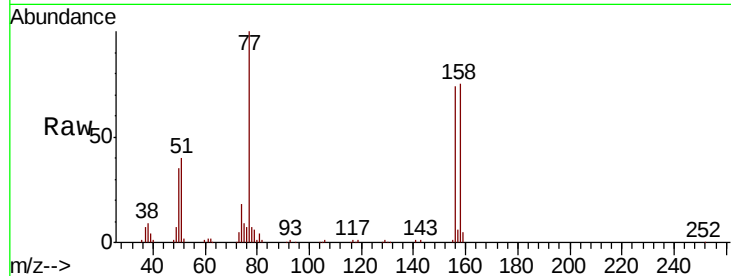
Tot Ion:156 Resp: 170915

Ion Ratio Lower Upper

156 100

77 135.6 57.7 173.1

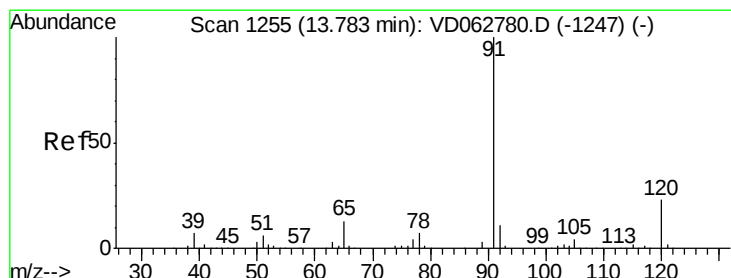
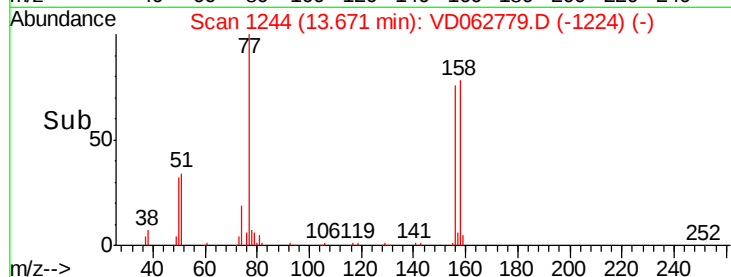
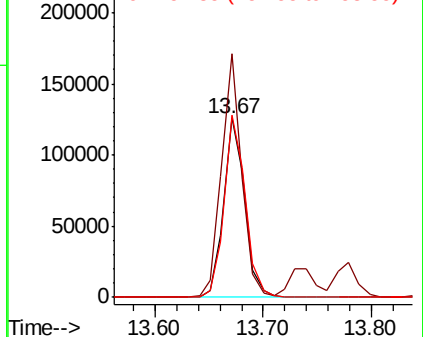
158 101.7 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.247 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062779.D

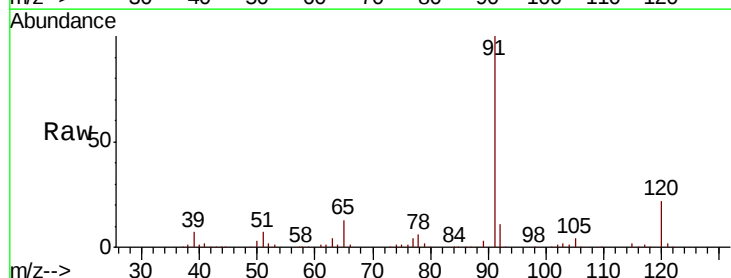
Acq: 19 Jun 2019 15:12

Tgt Ion: 91 Resp: 780552

Ion Ratio Lower Upper

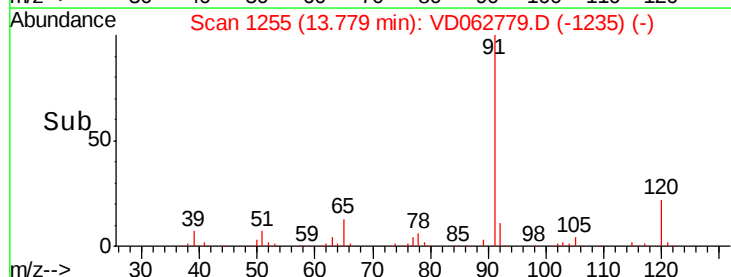
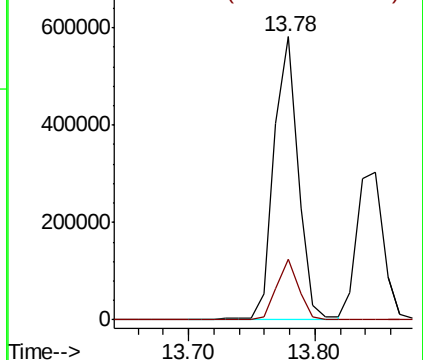
91 100

120 21.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

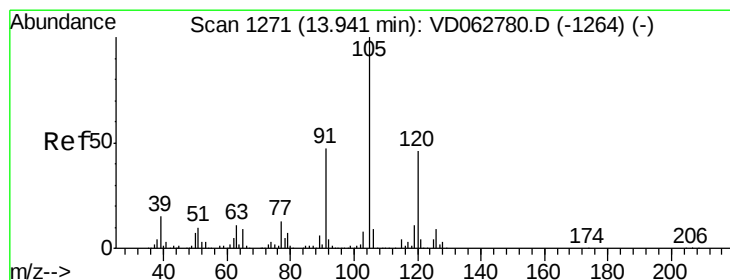
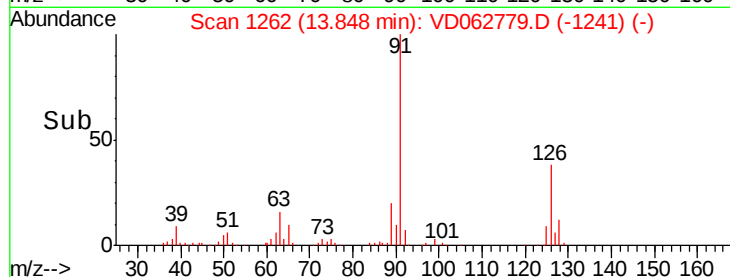
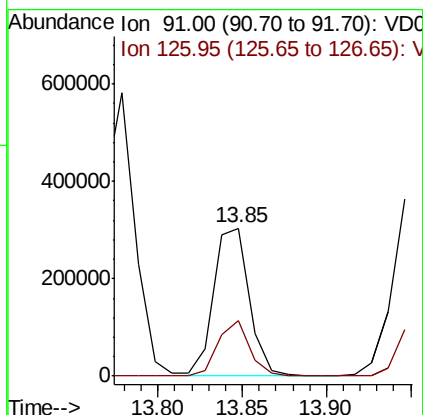
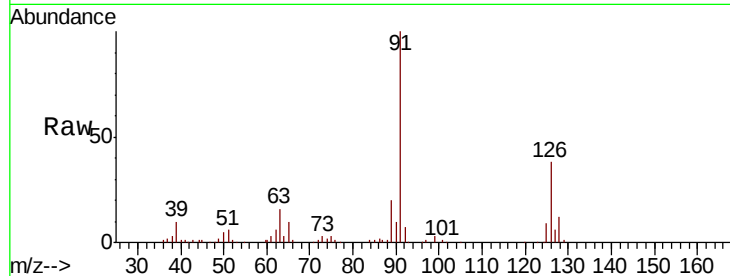




#79
2-Chlorotoluene
Concen: 20.190 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

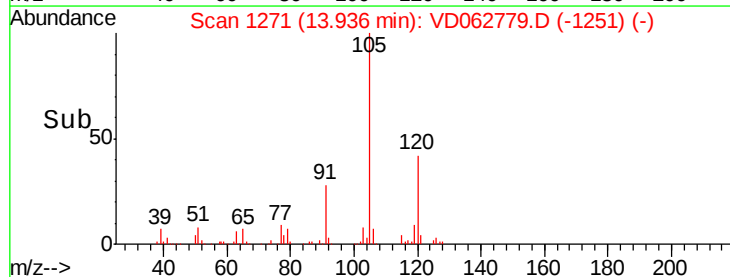
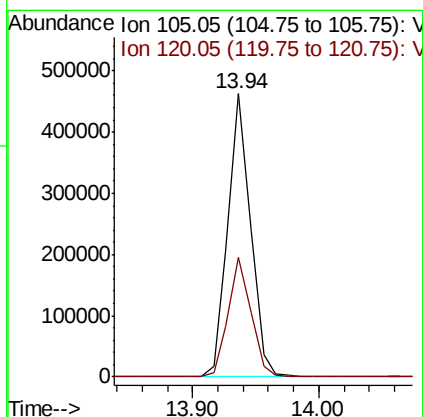
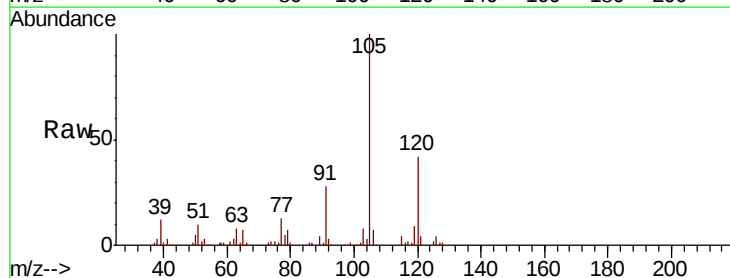
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

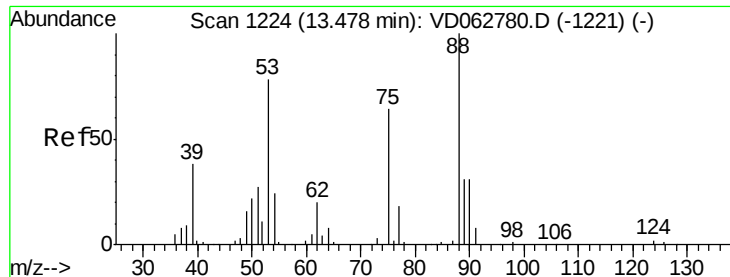
Tot Ion: 91 Resp: 444415
Ion Ratio Lower Upper
91 100
126 37.6 15.7 47.1



#80
1,3,5-Trimethylbenzene
Concen: 20.647 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion:105 Resp: 574428
Ion Ratio Lower Upper
105 100
120 42.1 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.330 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

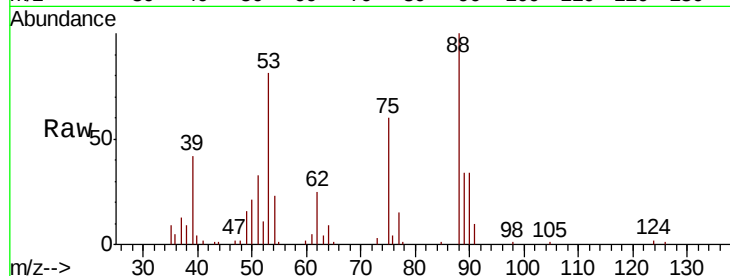
Tot Ion: 75 Resp: 31775

Ion Ratio Lower Upper

75 100

53 135.6 97.8 146.8

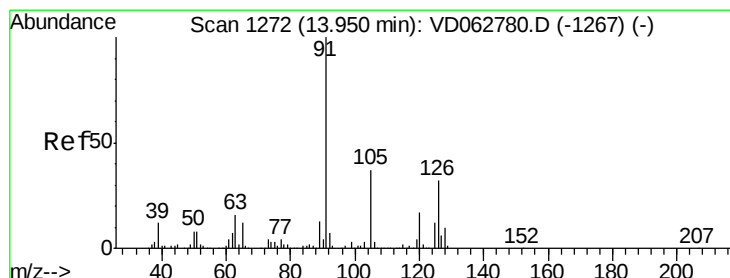
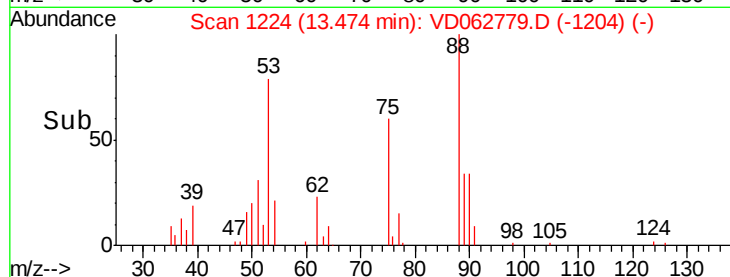
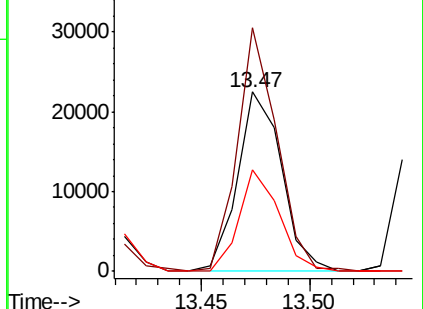
89 56.4 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.837 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062779.D

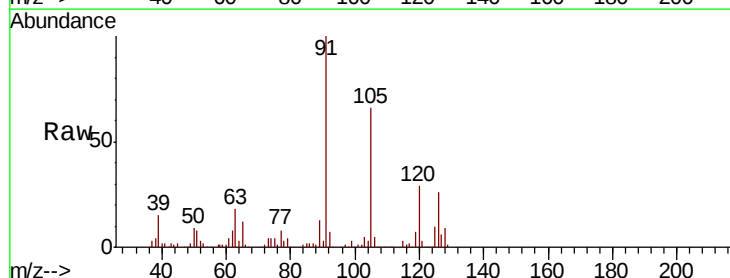
Acq: 19 Jun 2019 15:12

Tgt Ion: 91 Resp: 552675

Ion Ratio Lower Upper

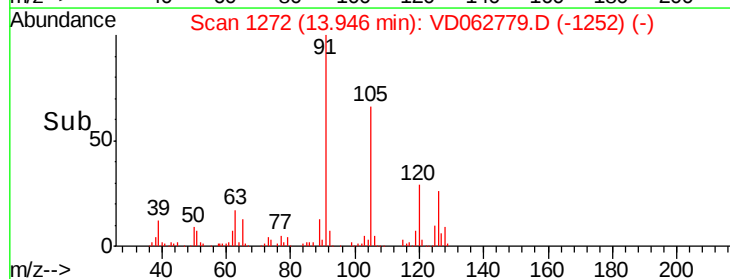
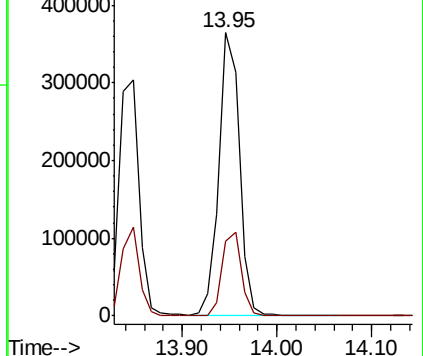
91 100

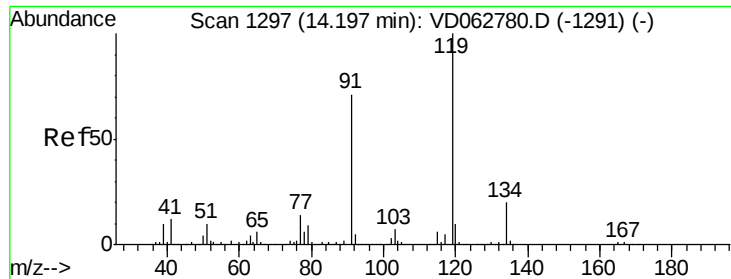
126 26.4 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

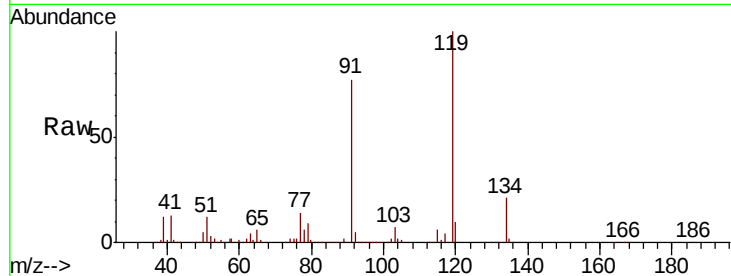




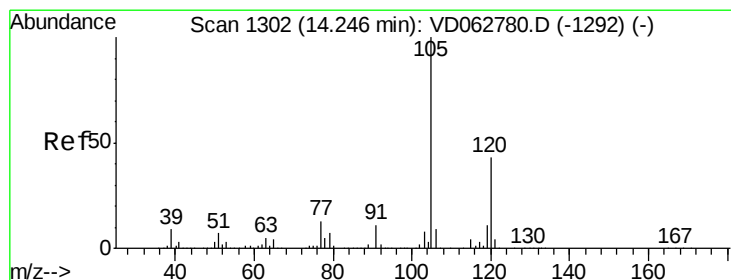
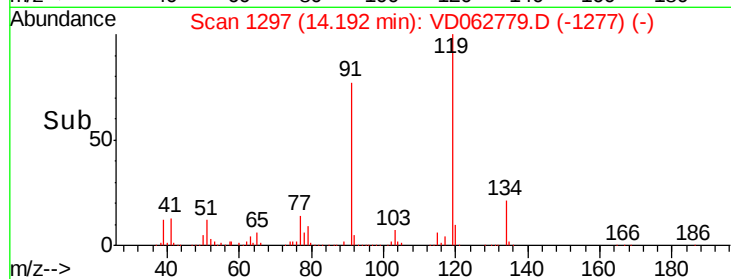
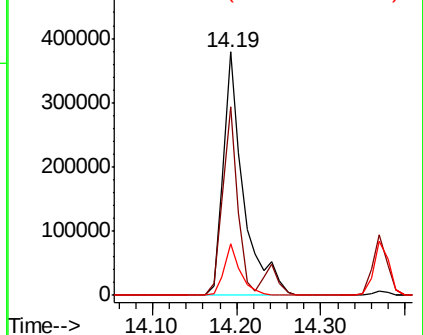
#83
 tert-Butylbenzene
 Concen: 20.373 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:119 Resp: 631791
 Ion Ratio Lower Upper
 119 100
 91 77.4 35.5 106.5
 134 21.4 10.2 30.6

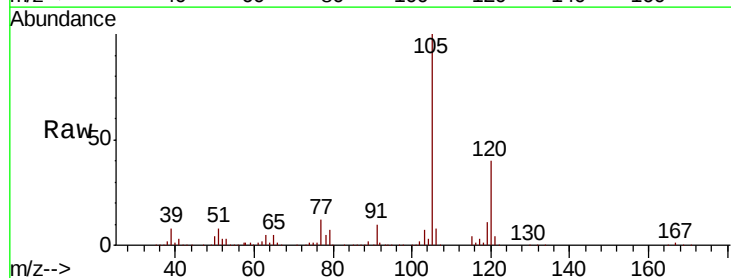


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

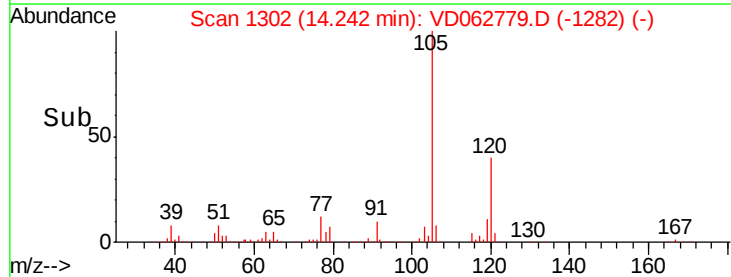
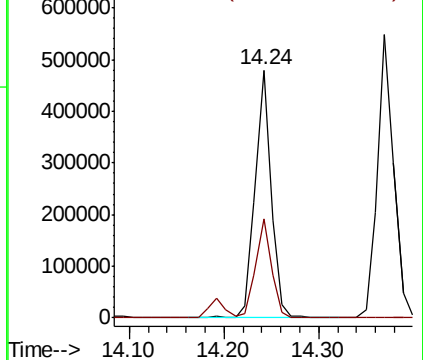


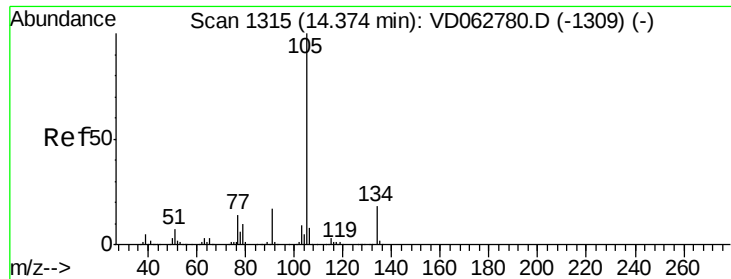
#84
 1,2,4-Trimethylbenzene
 Concen: 19.860 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Tgt Ion:105 Resp: 566337
 Ion Ratio Lower Upper
 105 100
 120 40.2 21.3 63.9



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





#85

sec-Butylbenzene

Concen: 19.755 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

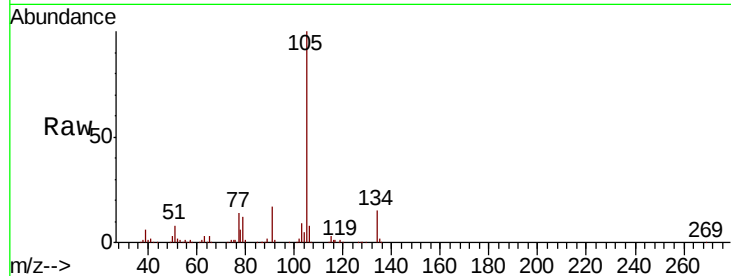
VSTDIC020

Tot Ion:105 Resp: 665841

Ion Ratio Lower Upper

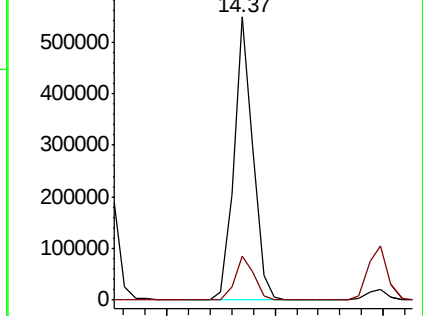
105 100

134 15.4 9.1 27.3

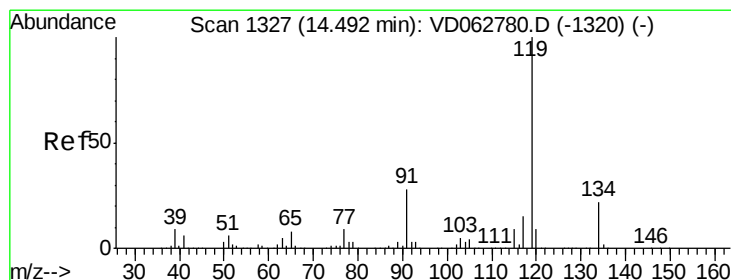
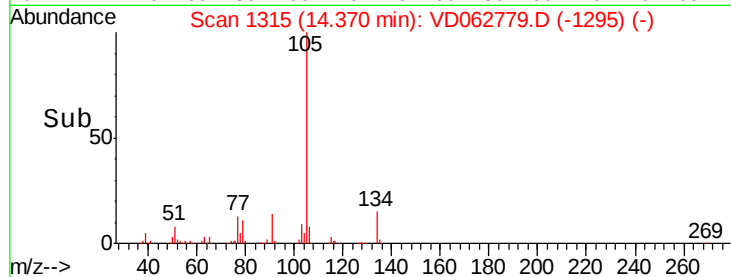


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.941 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

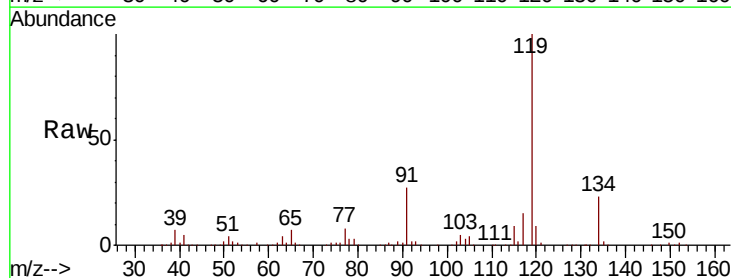
Tgt Ion:119 Resp: 614886

Ion Ratio Lower Upper

119 100

134 22.7 11.1 33.1

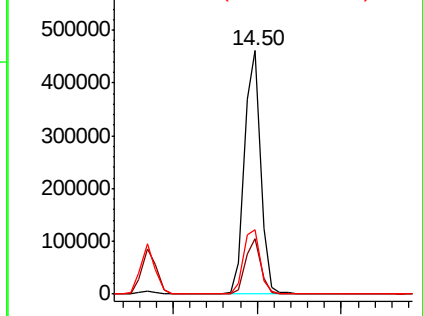
91 26.6 14.0 41.9



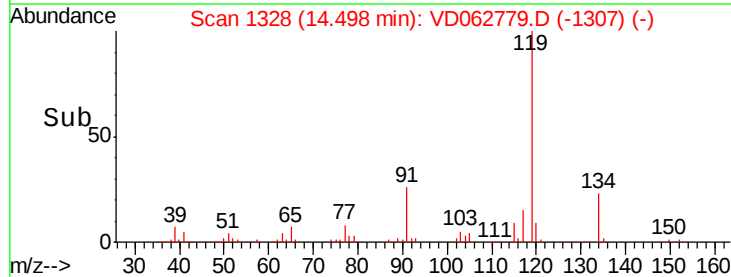
Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V



Time-->

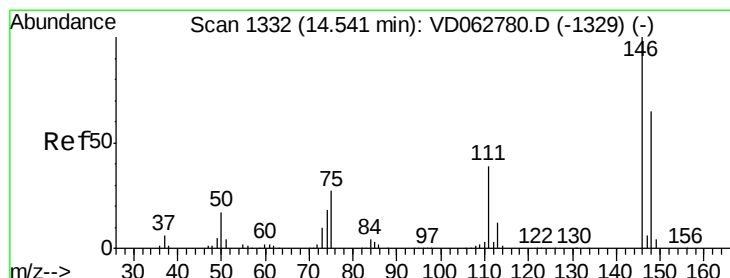
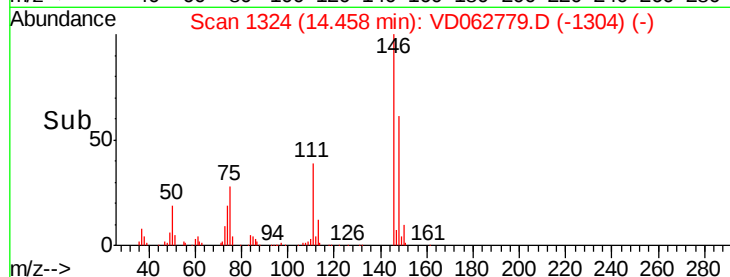
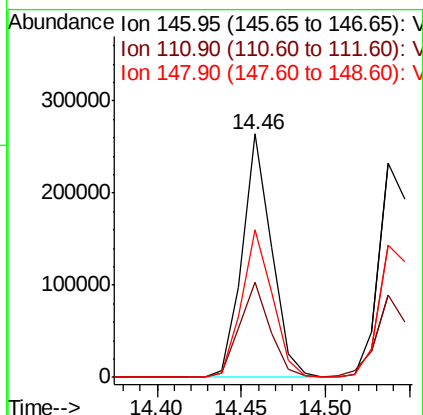
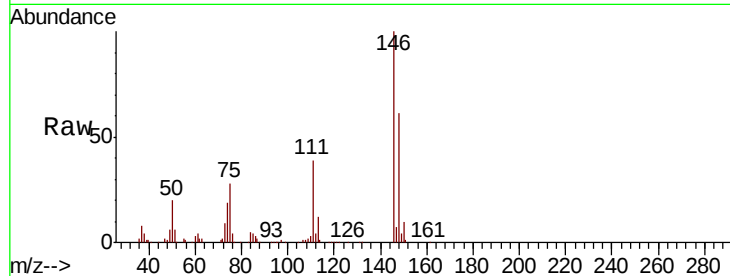




#87
 1,3-Dichlorobenzene
 Concen: 20.034 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

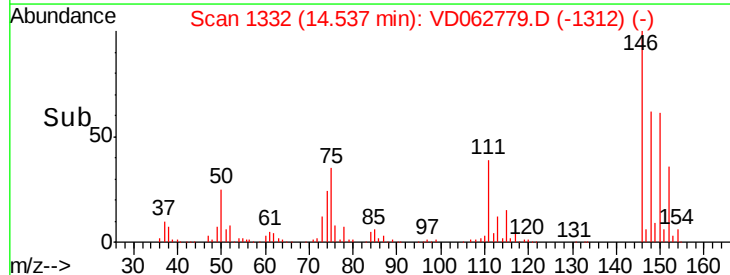
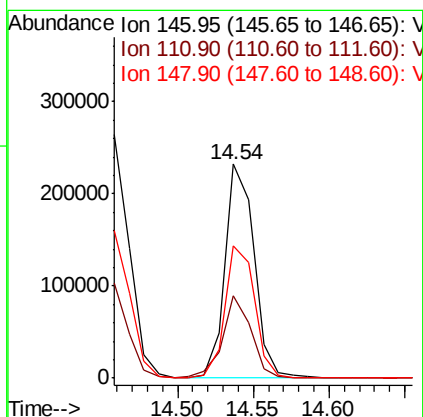
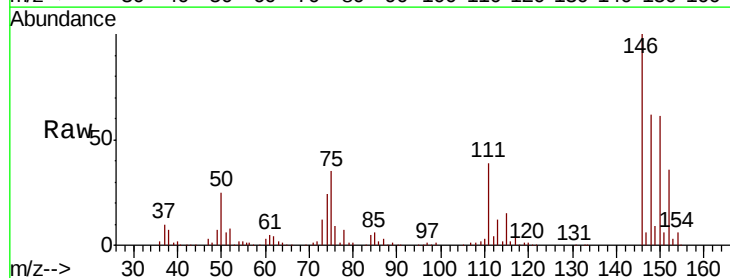
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

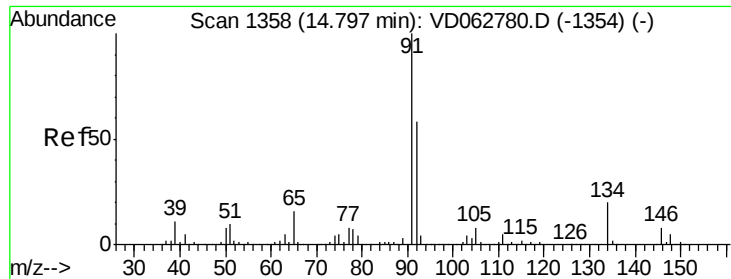
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.0	57.0
148	60.7	30.8	92.3



#88
 1,4-Dichlorobenzene
 Concen: 19.202 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.1
148	61.7	32.8	98.3





#89

n-Butylbenzene

Concen: 20.212 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062779.D

Acq: 19 Jun 2019 15:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

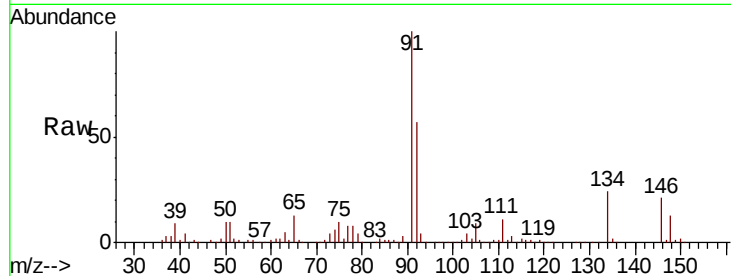
Tot Ion: 91 Resp: 583344

Ion Ratio Lower Upper

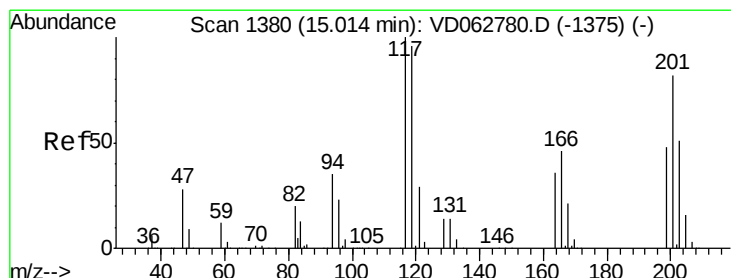
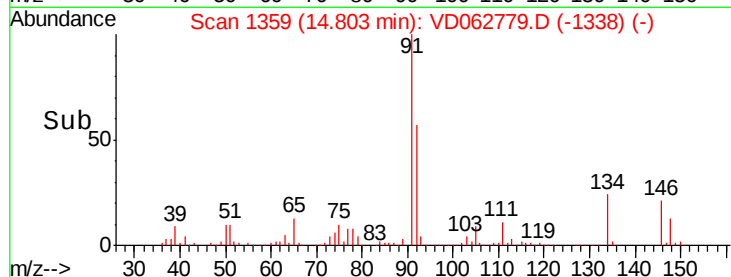
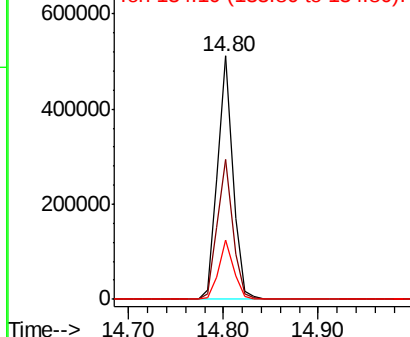
91 100

92 57.2 28.9 86.7

134 24.3 10.1 30.3



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



#90

Hexachloroethane

Concen: 20.430 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062779.D

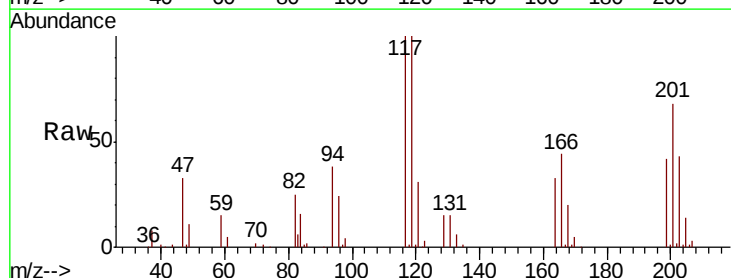
Acq: 19 Jun 2019 15:12

Tgt Ion: 117 Resp: 169380

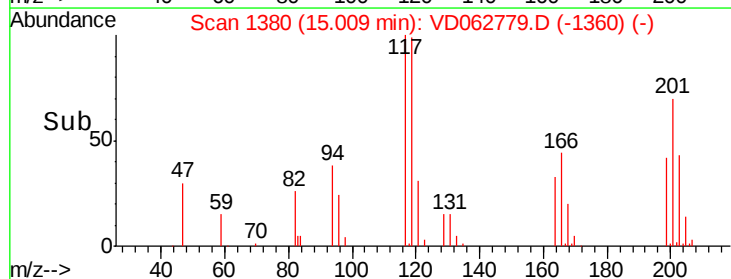
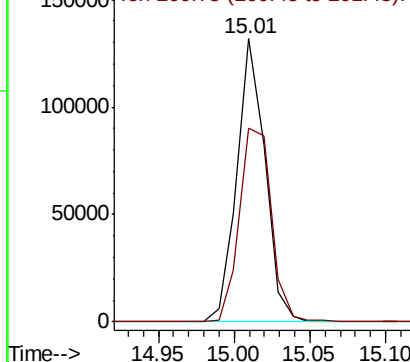
Ion Ratio Lower Upper

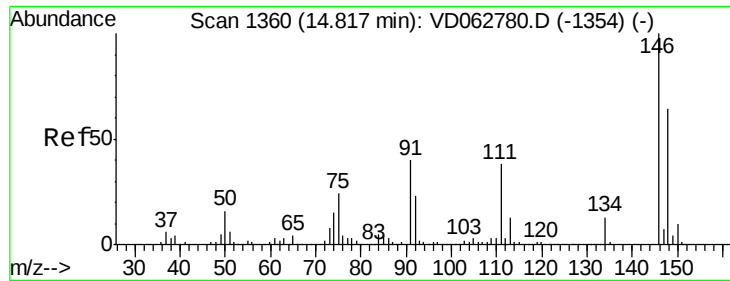
117 100

201 68.3 40.8 122.2



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

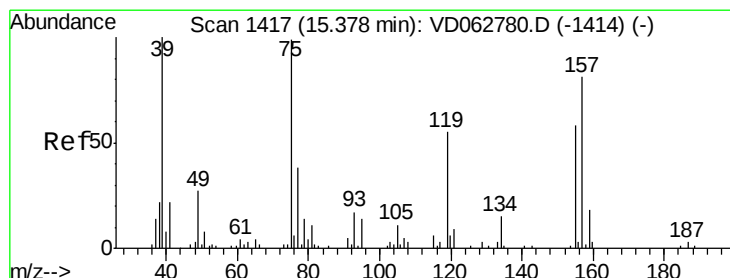
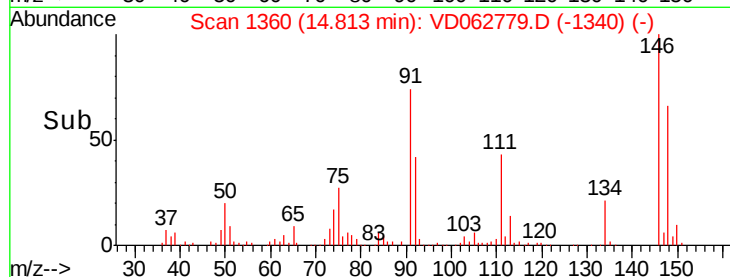
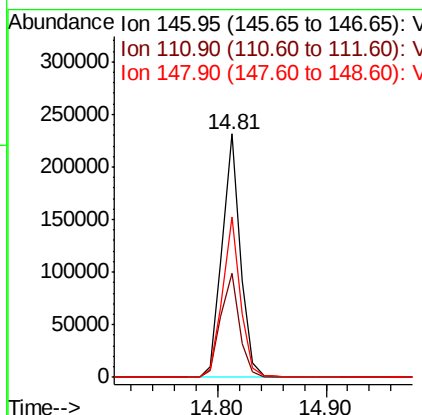
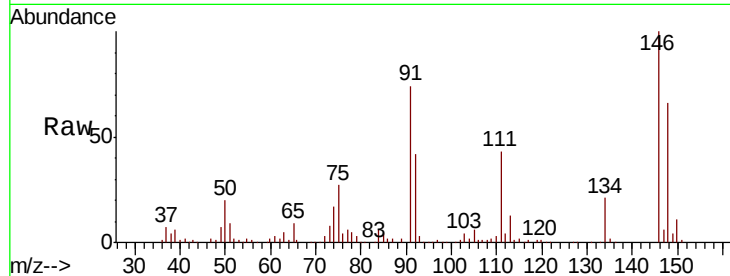




#91
 1,2-Dichlorobenzene
 Concen: 20.013 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

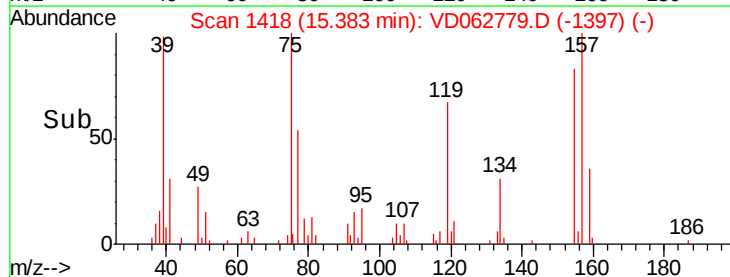
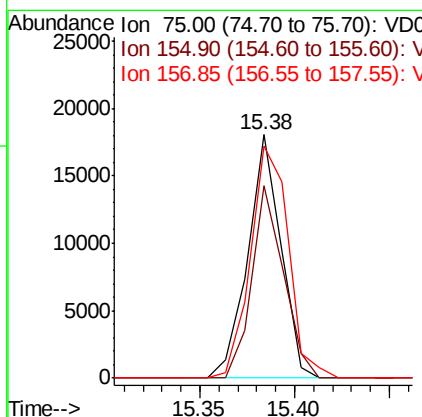
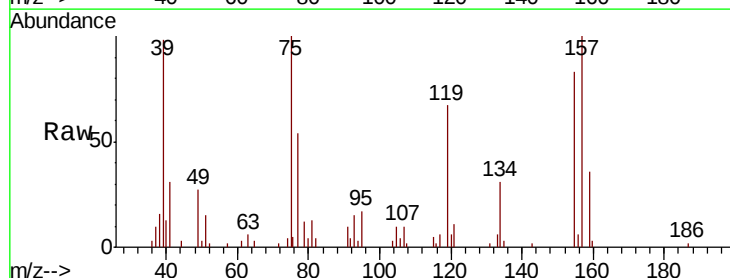
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

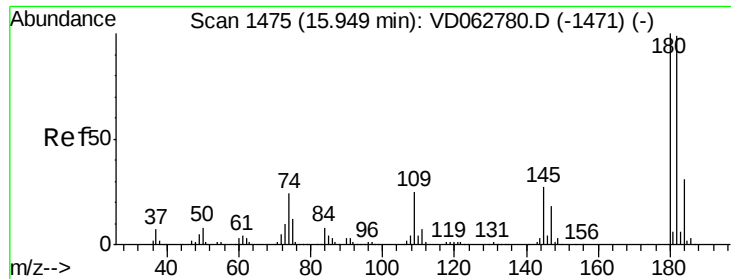
Tot Ion:146 Resp: 273448
 Ion Ratio Lower Upper
 146 100
 111 42.9 19.1 57.1
 148 66.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.746 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Tgt Ion: 75 Resp: 21853
 Ion Ratio Lower Upper
 75 100
 155 79.0 29.3 87.8
 157 95.2 41.3 123.7

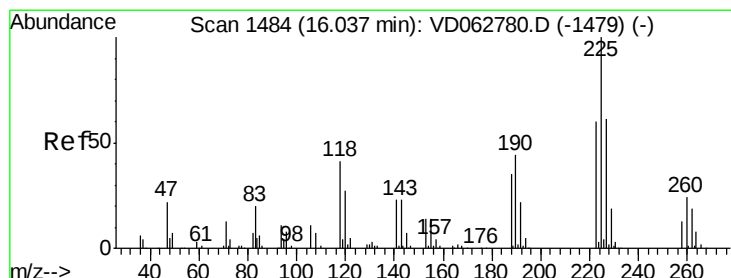
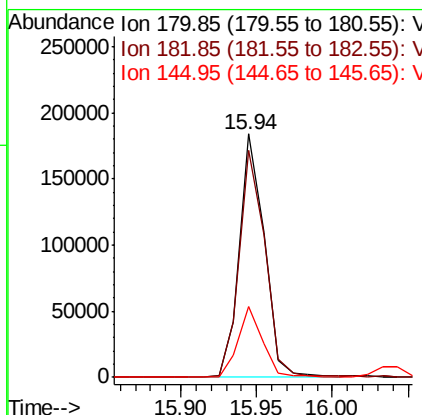
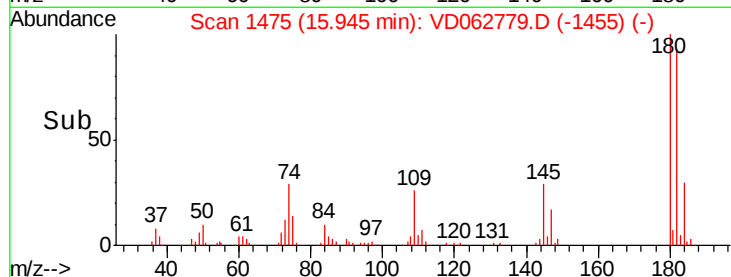
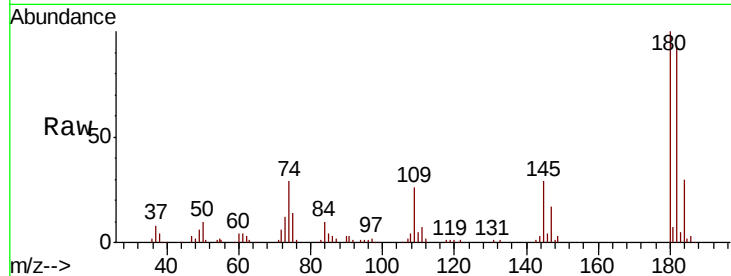




#93
 1,2,4-Trichlorobenzene
 Concen: 19.770 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

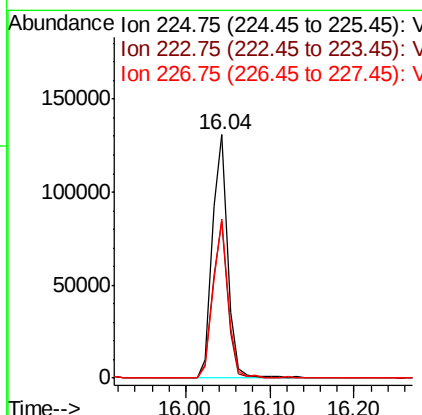
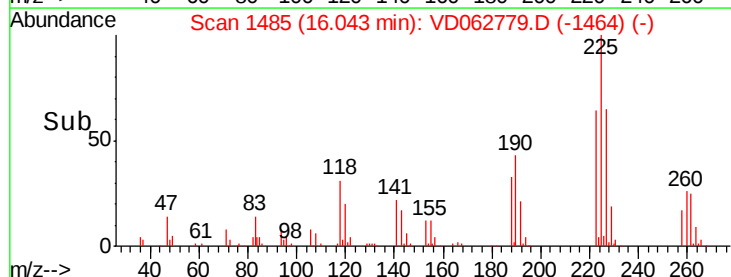
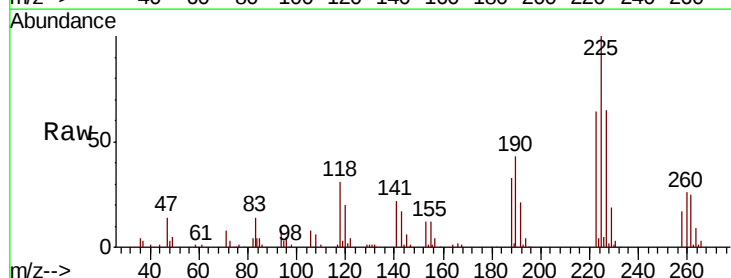
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

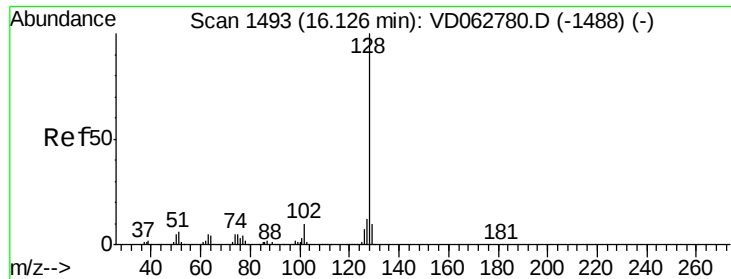
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	49.5	148.5
145	29.2	13.7	41.0



#94
 Hexachlorobutadiene
 Concen: 20.355 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062779.D
 Acq: 19 Jun 2019 15:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	29.8	89.5
227	65.5	30.6	91.6

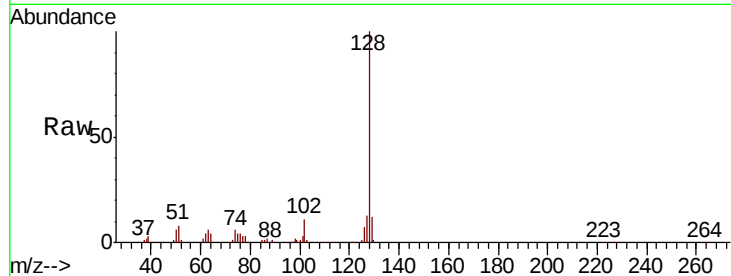




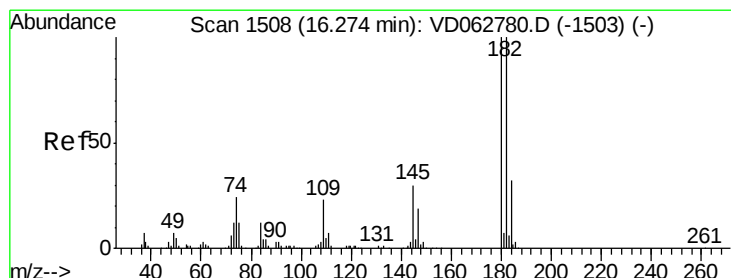
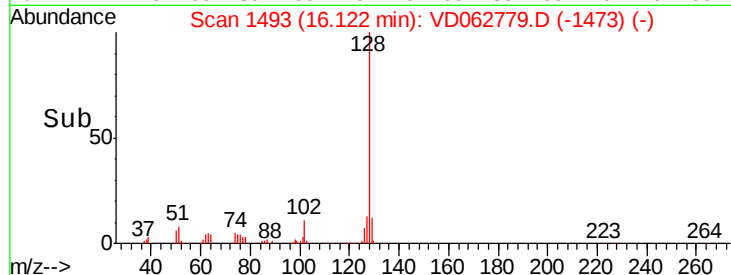
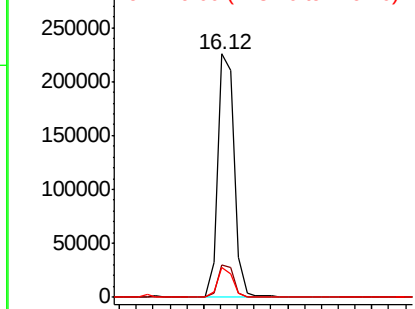
#95
Naphthalene
Concen: 20.593 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 308081
Ion Ratio Lower Upper
128 100
127 13.3 9.7 14.5
129 12.2 8.3 12.5

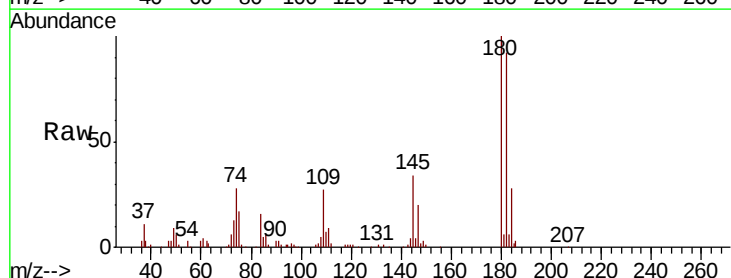


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.415 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062779.D
Acq: 19 Jun 2019 15:12

Tgt Ion:180 Resp: 175620
Ion Ratio Lower Upper
180 100
182 92.0 49.9 149.6
145 33.8 15.2 45.5



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

