

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062777.D
 Acq On : 19 Jun 2019 14:18
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 20 01:42:29 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	878641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1123673	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	945737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	489956	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	44049	4.61	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	9.22%	
35) Dibromofluoromethane	6.93	113	47755	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	
50) Toluene-d8	10.41	98	95561	4.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.26%	
62) 4-Bromofluorobenzene	13.56	95	45054	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	55226	4.852	ug/l	89
3) Chloromethane	1.74	50	44756	5.229	ug/l	98
4) Vinyl Chloride	1.85	62	44928	5.294	ug/l	99
5) Bromomethane	2.15	94	20520	5.163	ug/l #	93
6) Chloroethane	2.27	64	20189	5.255	ug/l #	75
7) Trichlorofluoromethane	2.53	101	90307	5.258	ug/l	92
8) Diethyl Ether	2.87	74	10922	5.005	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	49090	5.276	ug/l	90
10) Methyl Iodide	3.30	142	53714	4.376	ug/l	87
11) Tert butyl alcohol	4.09	59	13870	31.854	ug/l #	77
12) 1,1-Dichloroethene	3.13	96	35857	5.137	ug/l #	93
13) Acrolein	3.04	56	13243	29.793	ug/l	94
14) Allyl chloride	3.62	41	54568	5.297	ug/l	98
15) Acrylonitrile	4.19	53	25192	24.625	ug/l #	86
16) Acetone	3.22	43	81442	38.068	ug/l #	90
17) Carbon Disulfide	3.37	76	116609	5.235	ug/l	96
18) Methyl Acetate	3.63	43	15714	5.445	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	76484	5.062	ug/l #	86
20) Methylene Chloride	3.82	84	42815	5.872	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	39556	5.323	ug/l	87
22) Diisopropyl ether	5.13	45	103863	4.952	ug/l	92
23) Vinyl Acetate	5.07	43	315560	23.997	ug/l	98
24) 1,1-Dichloroethane	4.98	63	69827	5.114	ug/l	98
25) 2-Butanone	6.07	43	40912	22.883	ug/l	98
26) 2,2-Dichloropropane	6.02	77	73940	5.108	ug/l	92
27) cis-1,2-Dichloroethene	6.04	96	42394	5.394	ug/l	96
28) Bromochloromethane	6.45	49	21589	4.489	ug/l	91
29) Tetrahydrofuran	6.47	42	22046	26.061	ug/l	96
30) Chloroform	6.67	83	87781	5.286	ug/l	90
31) Cyclohexane	6.96	56	45332	5.050	ug/l #	87
32) 1,1,1-Trichloroethane	6.87	97	85281	4.930	ug/l	89
36) 1,1-Dichloropropene	7.15	75	54057	5.082	ug/l #	93
37) Ethyl Acetate	6.18	43	34804	7.145	ug/l #	63
38) Carbon Tetrachloride	7.10	117	87538	5.373	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062777.D
 Acq On : 19 Jun 2019 14:18
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Quant Time: Jun 20 01:42:29 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)
39) Methylcyclohexane	8.88	83	49454	5.282	ug/l	98
40) Benzene	7.45	78	111081	5.202	ug/l	97
41) Methacrylonitrile	6.46	41	31462	5.609	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	57471	4.934	ug/l	99
43) Isopropyl Acetate	9.24	43	27008	4.843	ug/l #	84
44) Trichloroethene	8.54	130	44745	5.345	ug/l	90
45) 1,2-Dichloropropane	8.95	63	29023	5.466	ug/l	89
46) Dibromomethane	9.07	93	24850	5.449	ug/l #	84
47) Bromodichloromethane	9.38	83	58040	4.900	ug/l	99
48) Methyl methacrylate	9.12	41	21436	5.409	ug/l	98
49) 1,4-Dioxane	9.08	88	2514m	76.250	ug/l	
51) 4-Methyl-2-Pentanone	10.30	43	103782	26.248	ug/l	99
52) Toluene	10.51	92	82663	5.759	ug/l	91
53) t-1,3-Dichloropropene	10.92	75	45401	4.683	ug/l #	84
54) cis-1,3-Dichloropropene	10.05	75	52302	4.963	ug/l	93
55) 1,1,2-Trichloroethane	11.19	97	27524	5.582	ug/l #	85
56) Ethyl methacrylate	11.04	69	28193	5.350	ug/l	98
57) 1,3-Dichloropropane	11.41	76	40121	5.314	ug/l #	87
58) 2-Chloroethyl Vinyl ether	9.86	63	71826	26.549	ug/l	92
59) 2-Hexanone	11.53	43	74762	26.550	ug/l	91
60) Dibromochloromethane	11.69	129	43773	4.766	ug/l	98
61) 1,2-Dibromoethane	11.81	107	28430	4.882	ug/l #	75
64) Tetrachloroethene	11.26	164	44415	5.706	ug/l	97
65) Chlorobenzene	12.40	112	94542	5.386	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.52	131	42340	5.158	ug/l	83
67) Ethyl Benzene	12.53	91	174359	5.533	ug/l	98
68) m/p-Xylenes	12.67	106	111568	10.165	ug/l	98
69) o-Xylene	13.05	106	50780	5.061	ug/l	91
70) Styrene	13.08	104	94597	5.368	ug/l	90
71) Bromoform	13.24	173	27221	4.840	ug/l	97
73) Isopropylbenzene	13.41	105	179127	5.702	ug/l	99
74) N-amyl acetate	13.27	43	40757	5.342	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	29336	5.731	ug/l	93
76) 1,2,3-Trichloropropane	13.74	75	33031	5.840	ug/l	92
77) Bromobenzene	13.67	156	49008	5.800	ug/l	96
78) n-propylbenzene	13.78	91	209491	5.729	ug/l	99
79) 2-Chlorotoluene	13.84	91	119720	5.735	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	151529	5.742	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	6816	4.598	ug/l #	60
82) 4-Chlorotoluene	13.95	91	142199	5.653	ug/l	94
83) tert-Butylbenzene	14.19	119	170760	5.806	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	158823	5.872	ug/l	91
85) sec-Butylbenzene	14.37	105	192865	6.033	ug/l	97
86) p-Isopropyltoluene	14.50	119	167015	5.711	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	87538	5.779	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	82935	5.451	ug/l	97
89) n-Butylbenzene	14.80	91	159627	5.832	ug/l	99
90) Hexachloroethane	15.01	117	42779	5.440	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	75572	5.832	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	4277	4.281	ug/l #	49

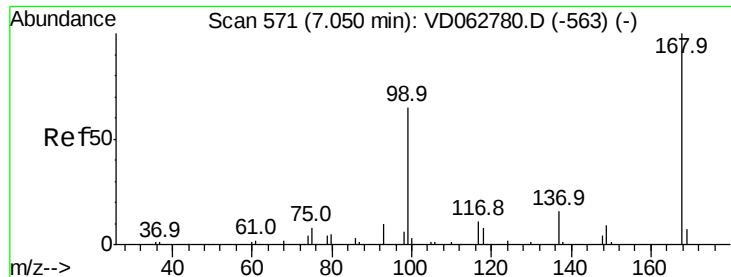
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
Data File : VD062777.D
Acq On : 19 Jun 2019 14:18
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jun 20 01:42:29 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)
93) 1,2,4-Trichlorobenzene	15.95	180	55324	5.465	ug/l	94
94) Hexachlorobutadiene	16.04	225	45930	5.939	ug/l	97
95) Naphthalene	16.12	128	76120	5.365	ug/l #	96
96) 1,2,3-Trichlorobenzene	16.27	180	42382	5.449	ug/l	89

(#) = 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: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

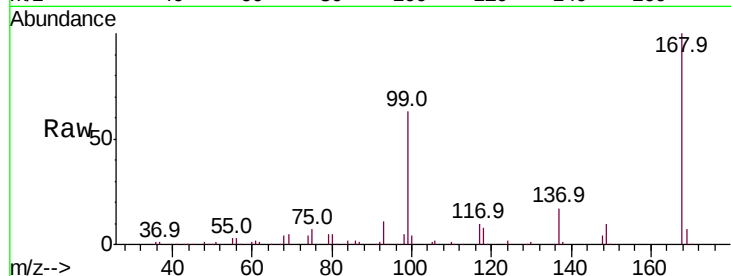
VSTDIC005

Tot Ion:168 Resp: 878641

Ion Ratio Lower Upper

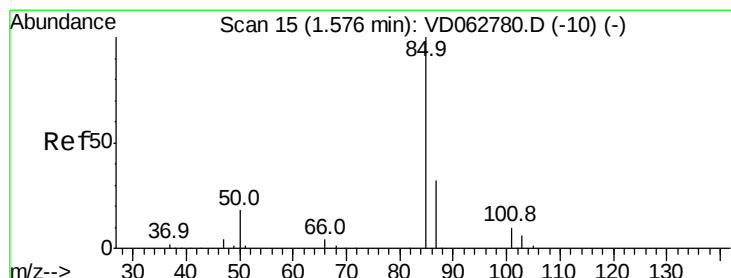
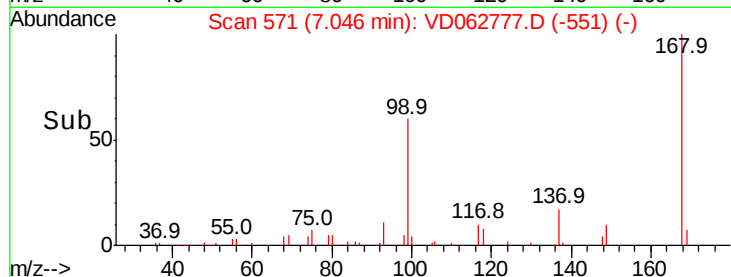
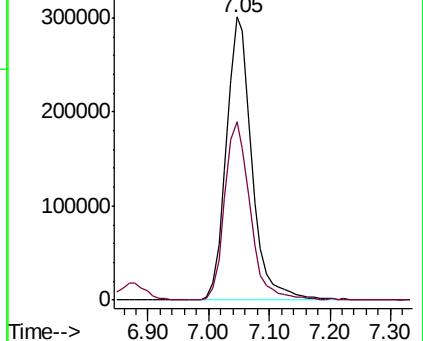
168 100

99 62.9 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: 4.852 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062777.D

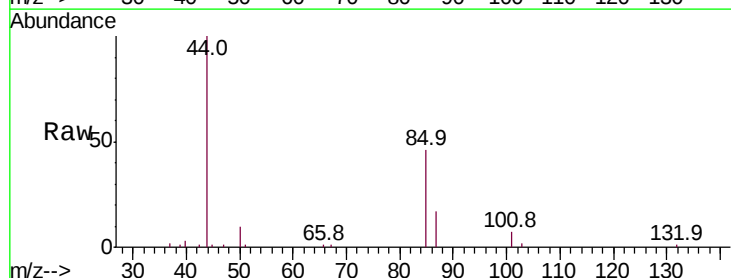
Acq: 19 Jun 2019 14:18

Tgt Ion: 85 Resp: 55226

Ion Ratio Lower Upper

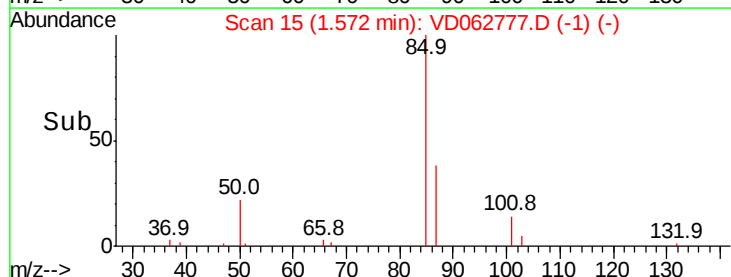
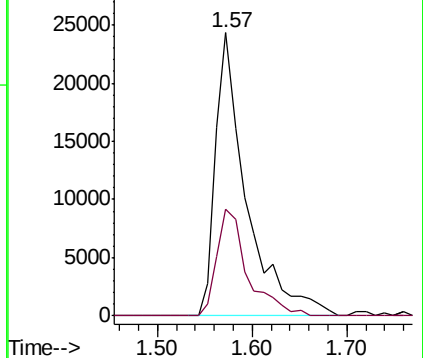
85 100

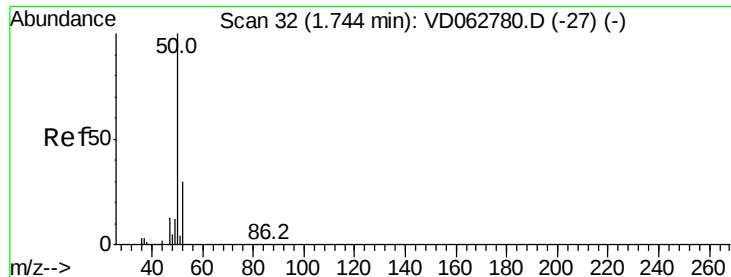
87 37.6 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.229 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

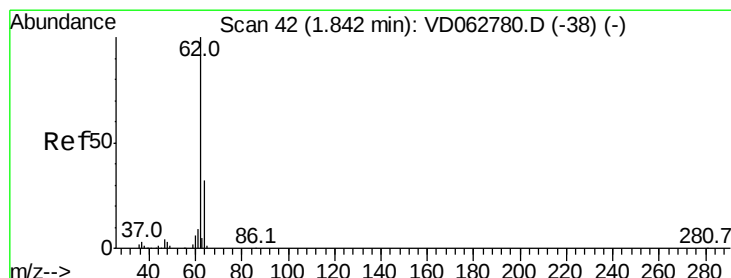
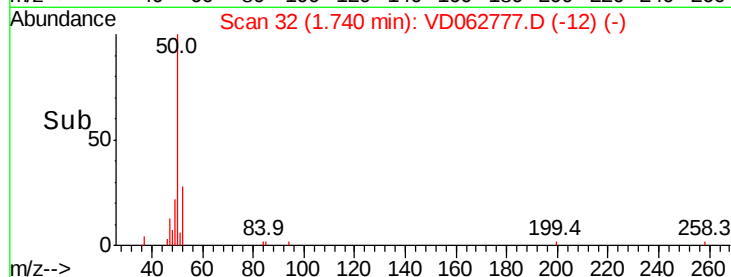
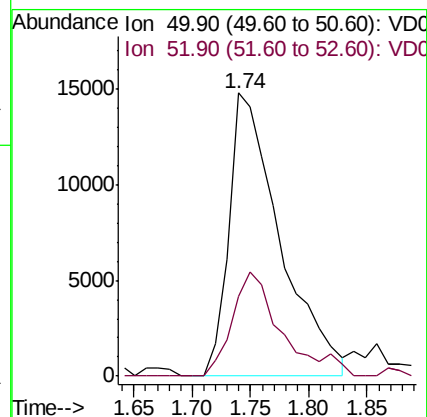
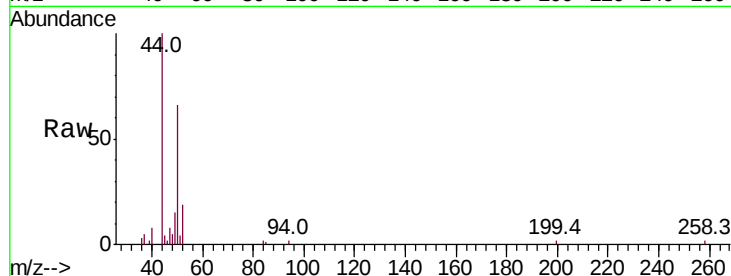
VSTDIC005

Tot Ion: 50 Resp: 44756

Ion Ratio Lower Upper

50 100

52 28.2 23.6 35.4



#4

Vinyl Chloride

Concen: 5.294 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062777.D

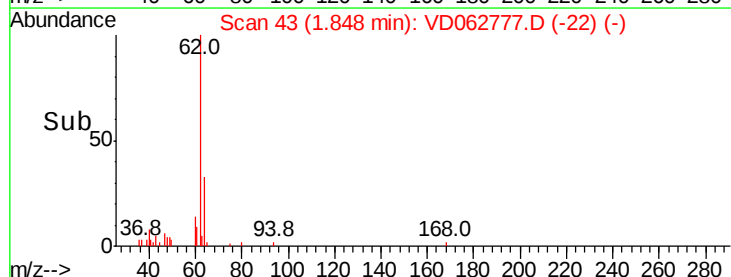
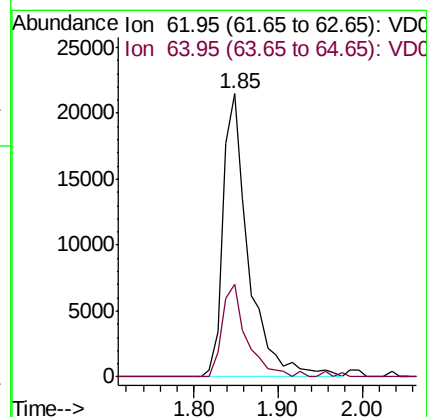
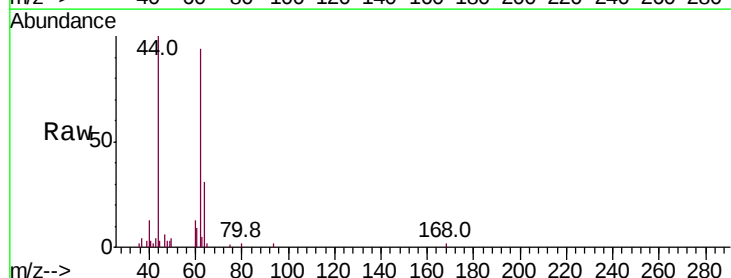
Acq: 19 Jun 2019 14:18

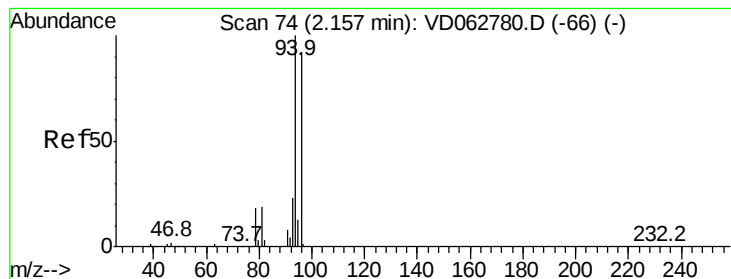
Tgt Ion: 62 Resp: 44928

Ion Ratio Lower Upper

62 100

64 32.8 25.6 38.4





#5

Bromomethane

Concen: 5.163 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

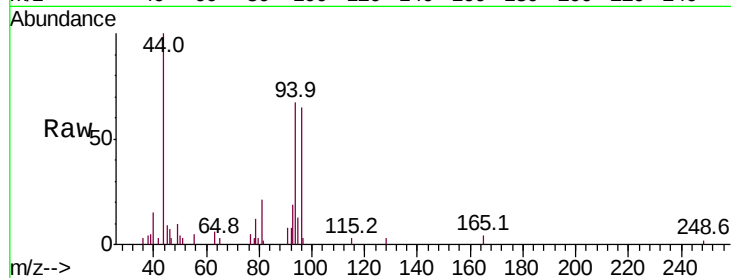
Tot Ion: 94 Resp: 20520

Ion Ratio Lower Upper

94 100

96 97.8 73.4 110.2

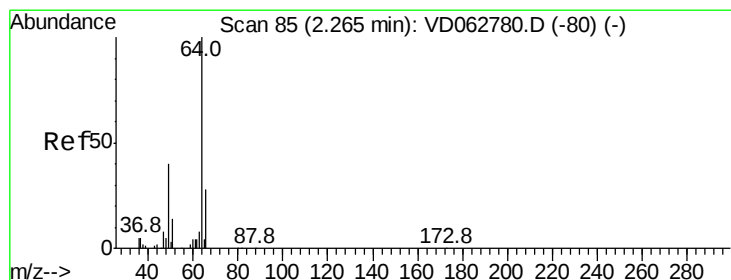
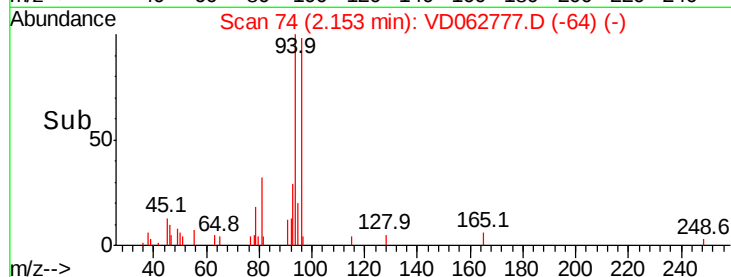
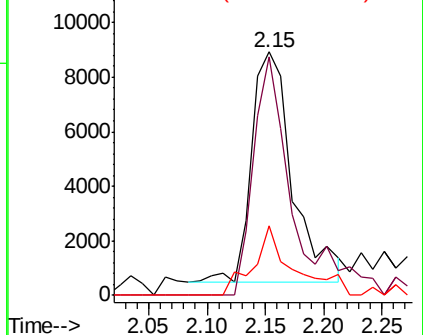
93 28.6 18.2 27.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 5.255 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062777.D

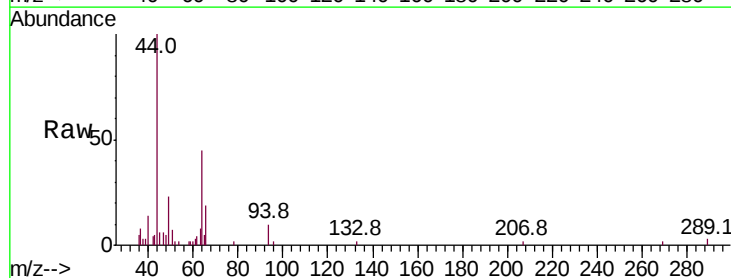
Acq: 19 Jun 2019 14:18

Tgt Ion: 64 Resp: 20189

Ion Ratio Lower Upper

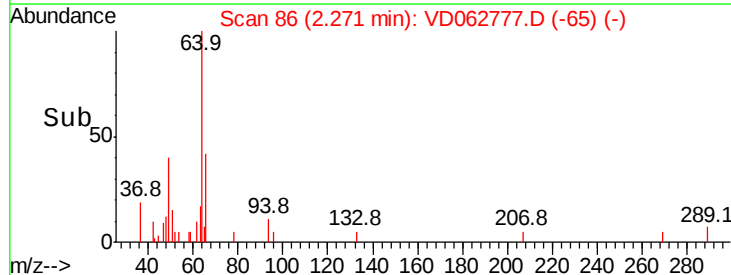
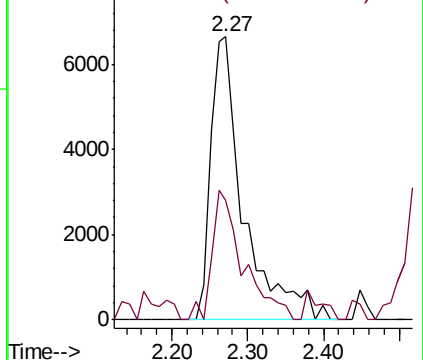
64 100

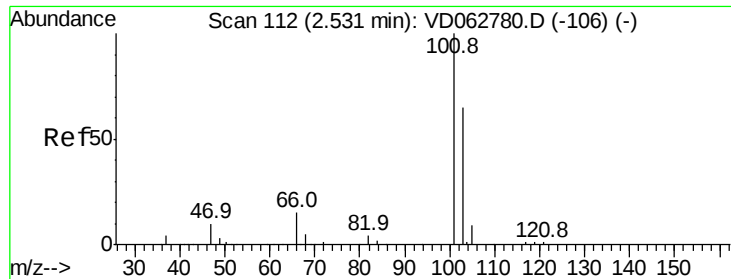
66 42.1 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



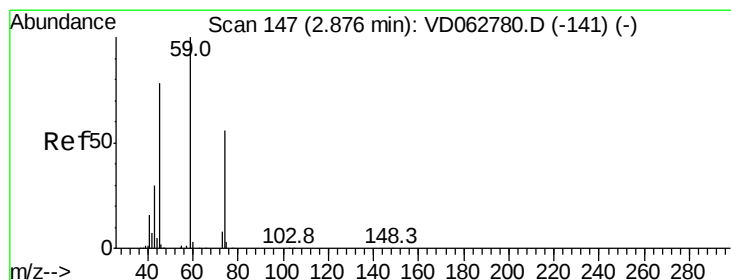
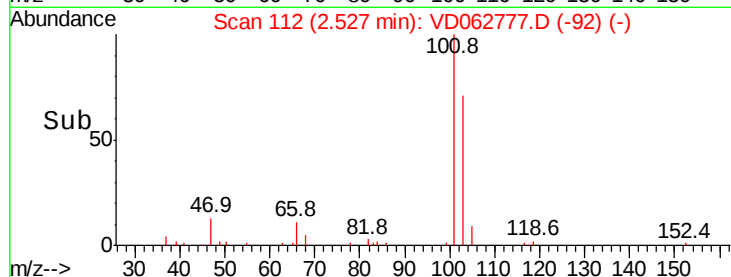
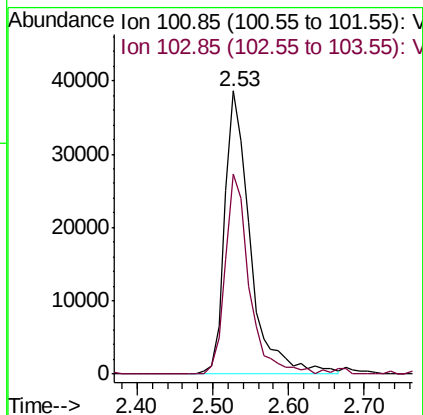
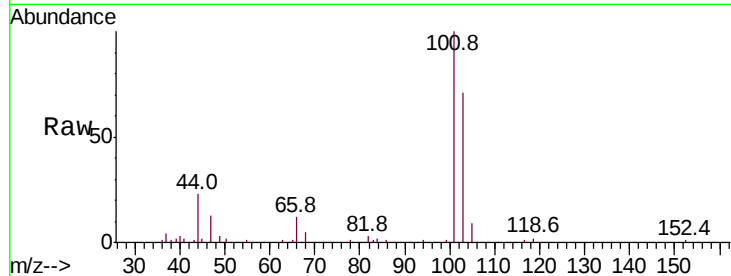


#7

Trichlorofluoromethane
Concen: 5.258 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

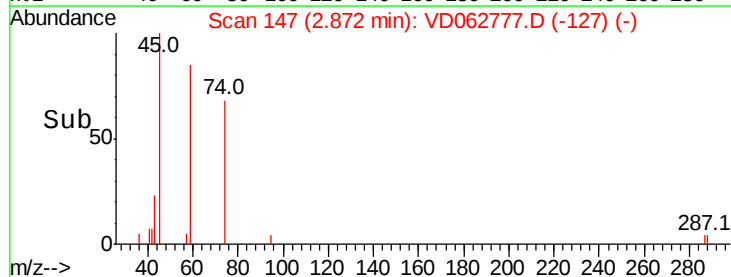
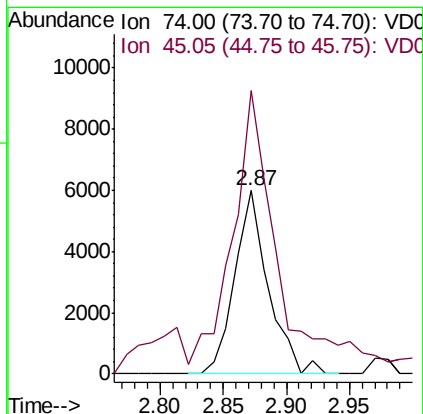
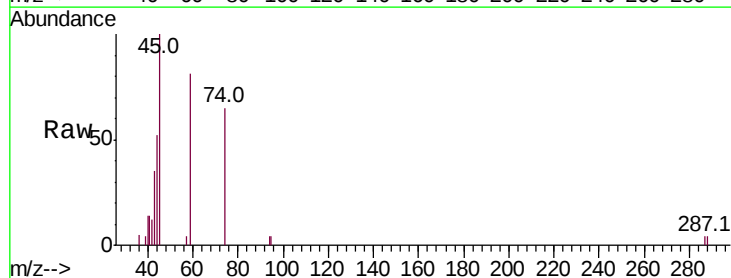
Tot Ion:101 Resp: 90307
Ion Ratio Lower Upper
101 100
103 70.7 51.8 77.8

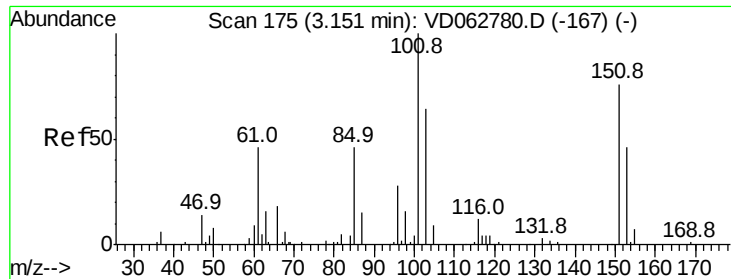


#8

Diethyl Ether
Concen: 5.005 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Tgt Ion: 74 Resp: 10922
Ion Ratio Lower Upper
74 100
45 154.5 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.276 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

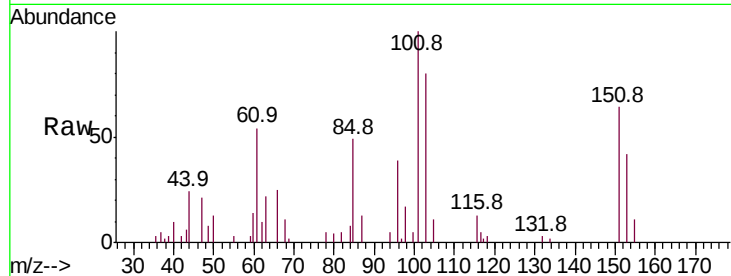
Tot Ion:101 Resp: 49090

Ion Ratio Lower Upper

101 100

85 48.7 37.0 55.4

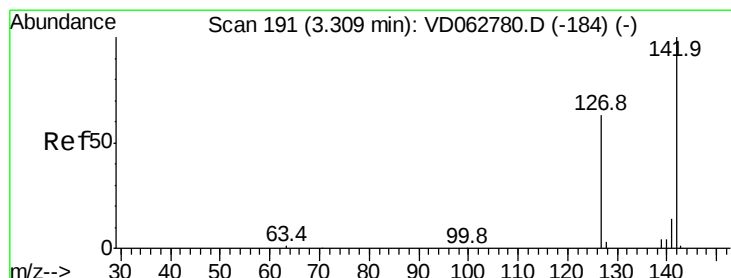
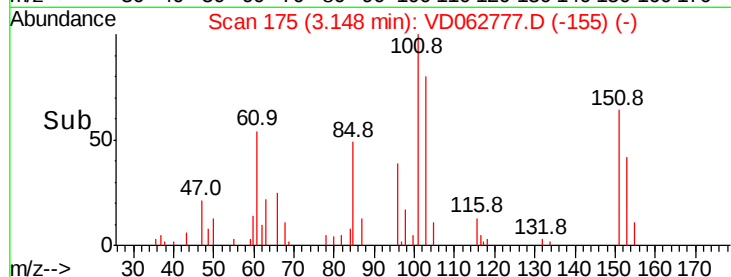
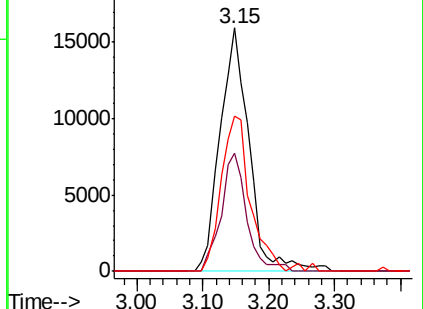
151 63.8 60.5 90.7



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: 4.376 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

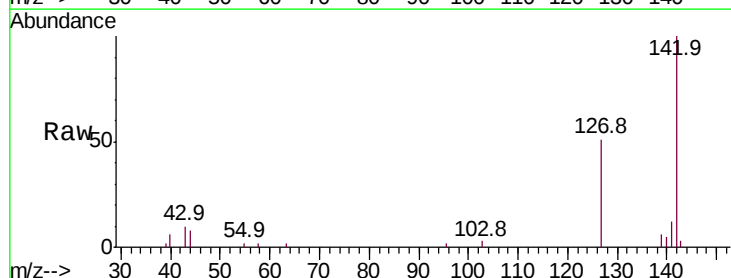
Tgt Ion:142 Resp: 53714

Ion Ratio Lower Upper

142 100

127 51.5 50.1 75.1

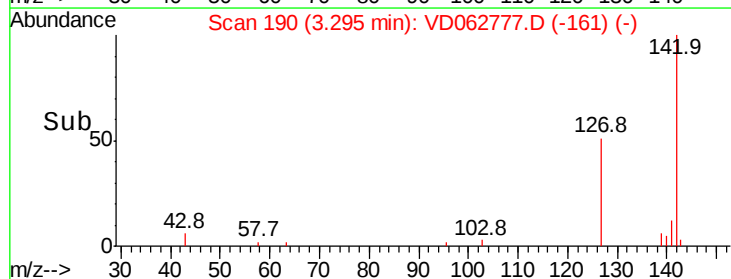
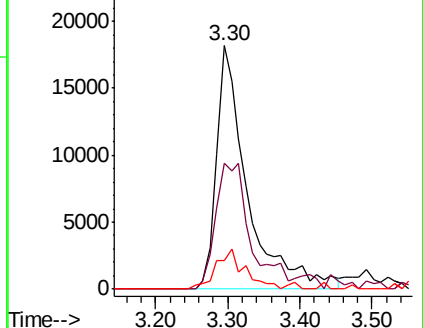
141 11.8 11.0 16.4

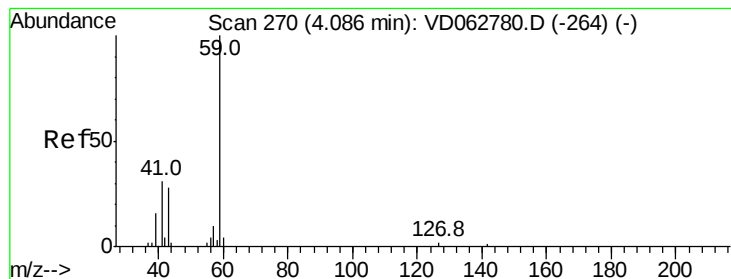


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



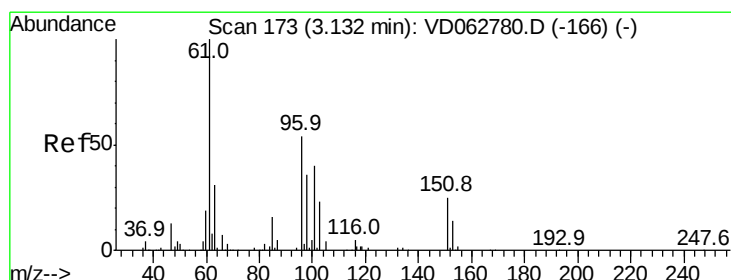
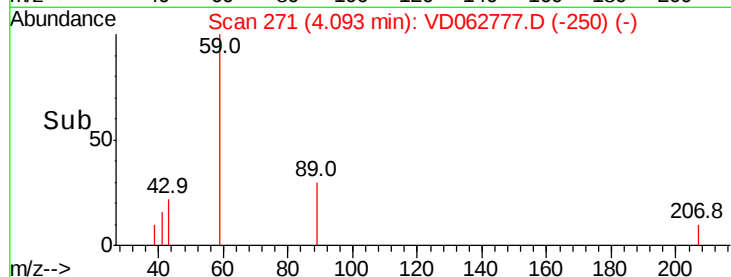
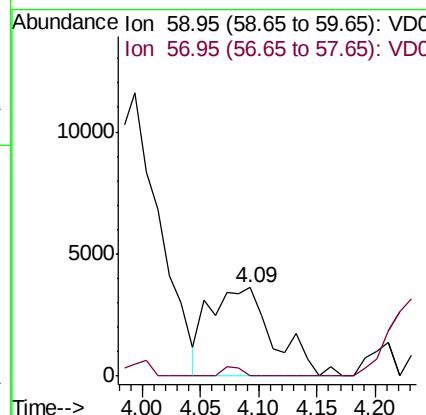
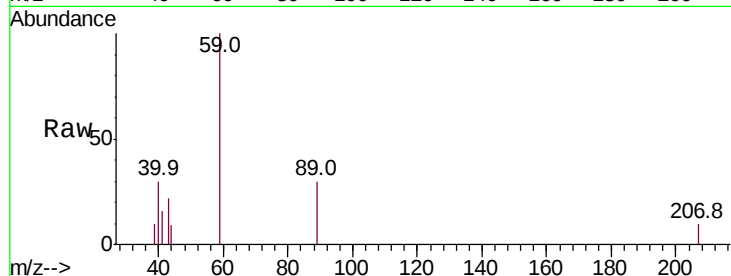


#11

Tert butyl alcohol
Concen: 31.854 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

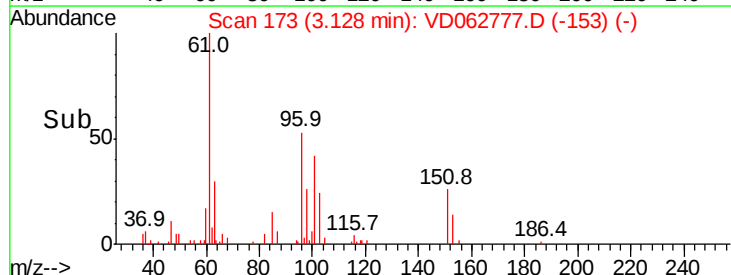
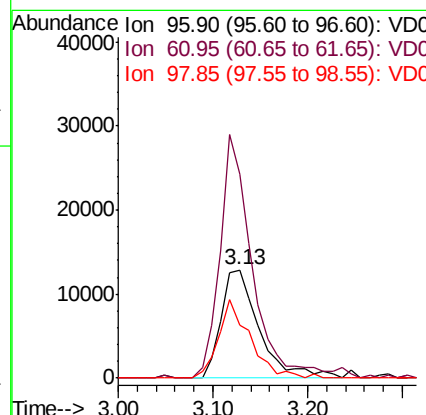
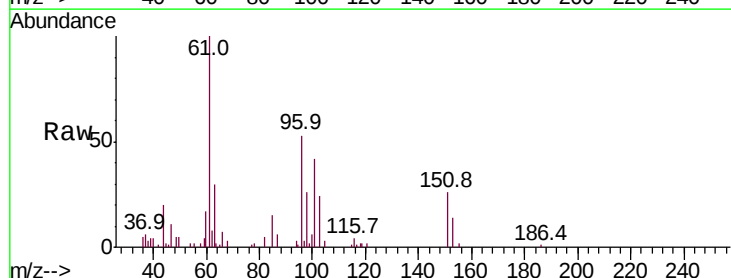
Tot Ion: 59 Resp: 13870
Ion Ratio Lower Upper
59 100
57 0.0 6.6 10.0#

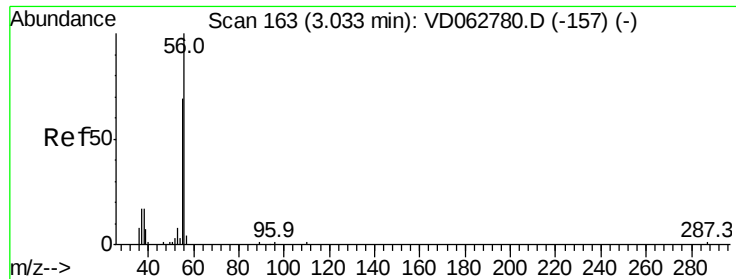


#12

1,1-Dichloroethene
Concen: 5.137 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Tgt Ion: 96 Resp: 35857
Ion Ratio Lower Upper
96 100
61 187.7 147.1 220.7
98 49.1 52.6 79.0#





#13

Acrolein

Concen: 29.793 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

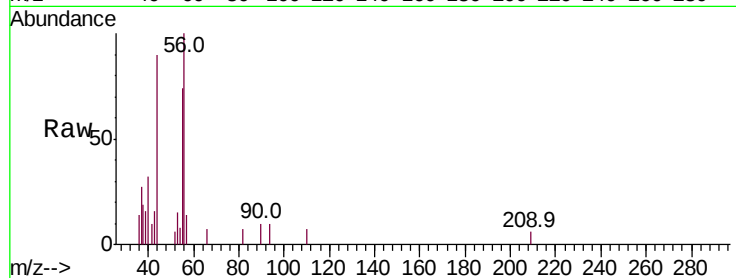
VSTDIC005

Tot Ion: 56 Resp: 13243

Ion Ratio Lower Upper

56 100

55 74.4 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

5000

4000

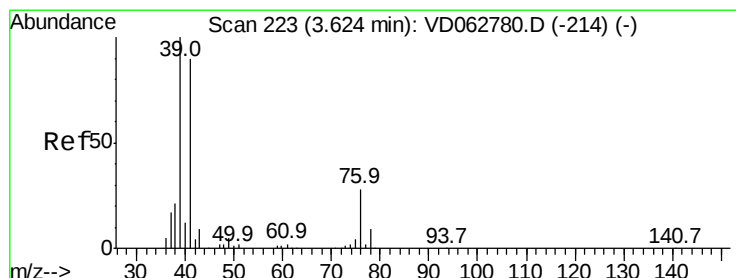
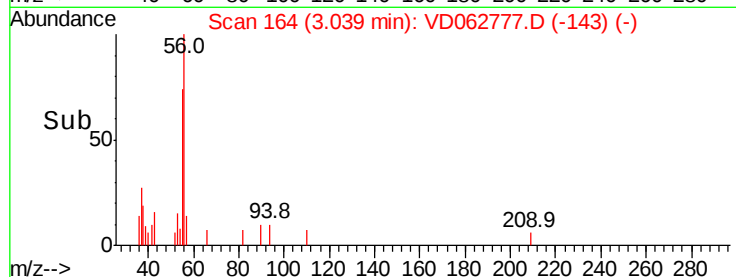
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 5.297 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

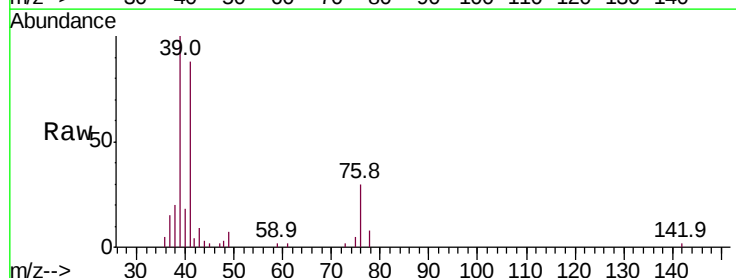
Tgt Ion: 41 Resp: 54568

Ion Ratio Lower Upper

41 100

39 108.6 88.8 133.2

76 33.1 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

30000

25000

20000

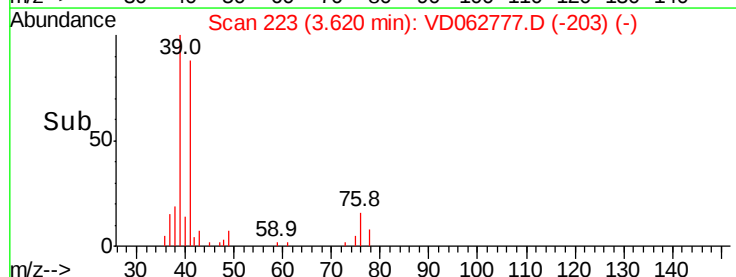
15000

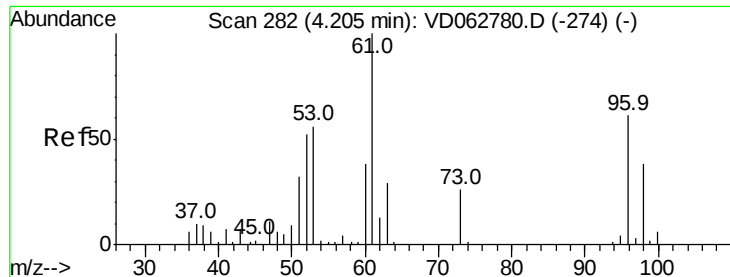
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 24.625 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

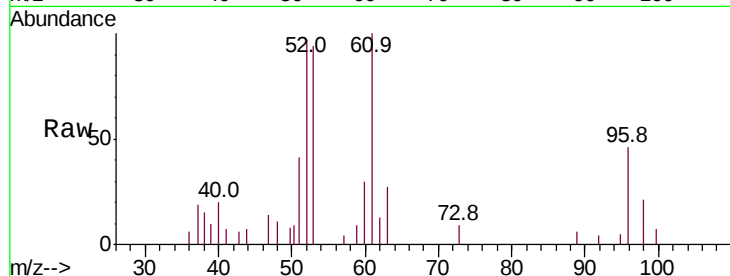
Tot Ion: 53 Resp: 25192

Ion Ratio Lower Upper

53 100

52 103.2 73.3 109.9

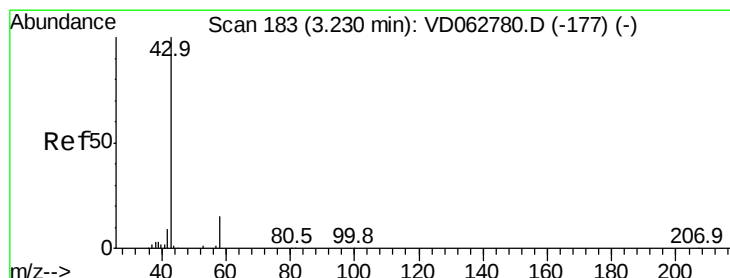
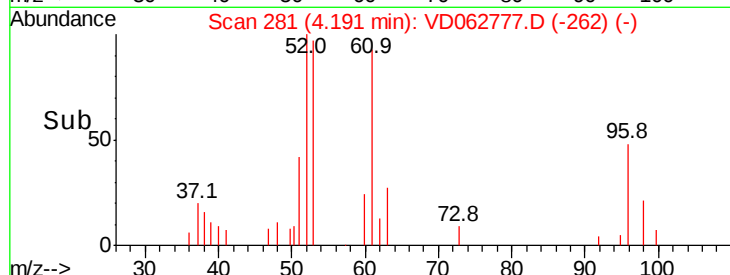
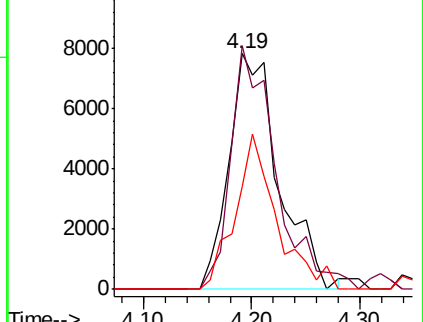
51 43.8 44.8 67.2#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 38.068 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062777.D

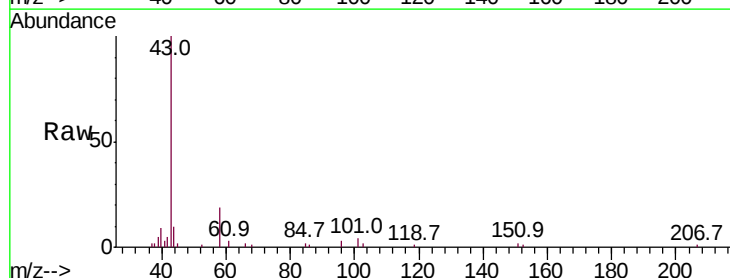
Acq: 19 Jun 2019 14:18

Tgt Ion: 43 Resp: 81442

Ion Ratio Lower Upper

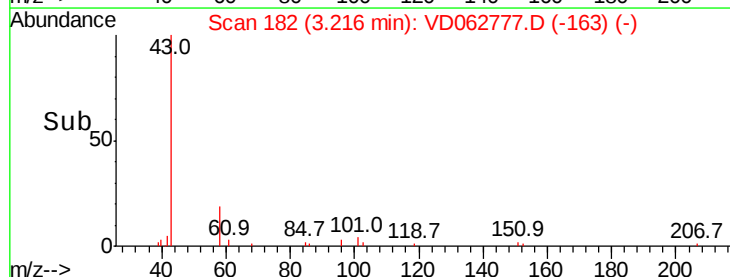
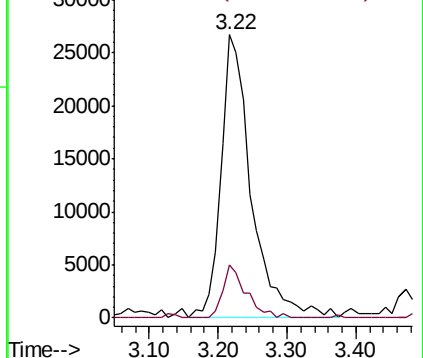
43 100

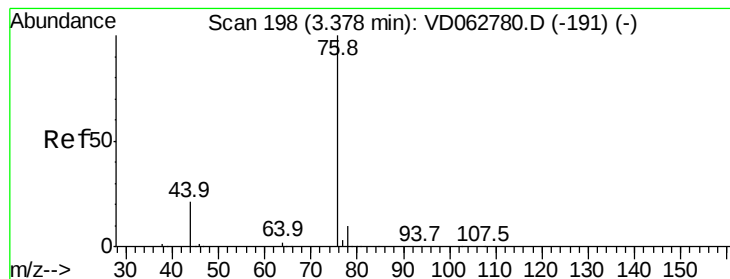
58 18.9 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 5.235 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

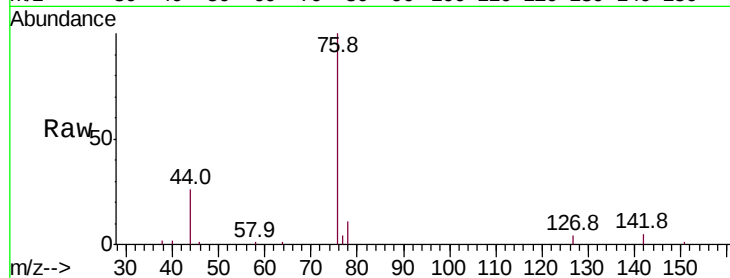
VSTDIC005

Tot Ion: 76 Resp: 116609

Ion Ratio Lower Upper

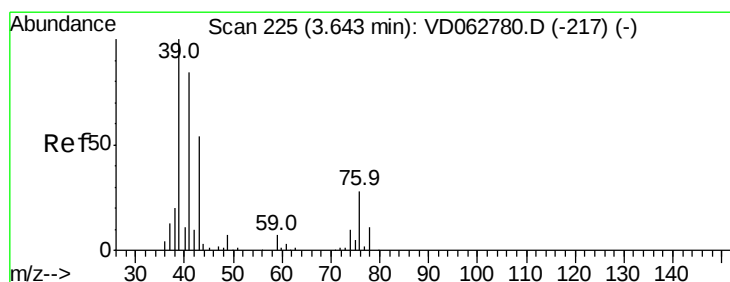
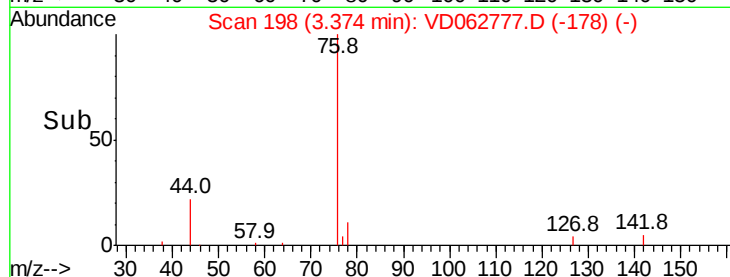
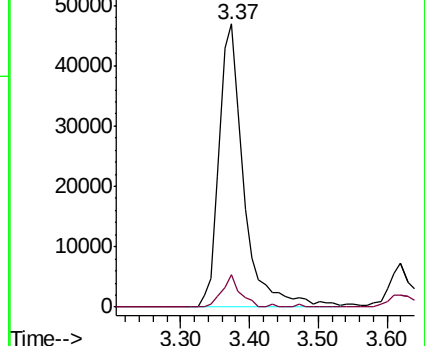
76 100

78 11.5 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 5.445 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD062777.D

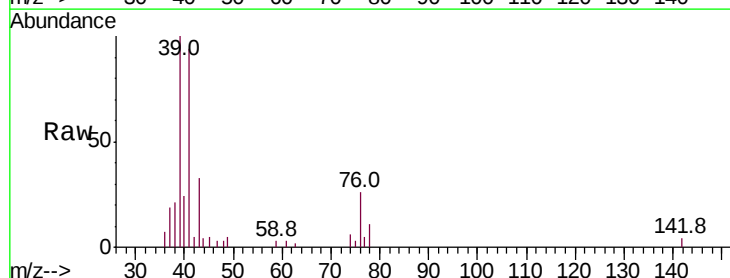
Acq: 19 Jun 2019 14:18

Tgt Ion: 43 Resp: 15714

Ion Ratio Lower Upper

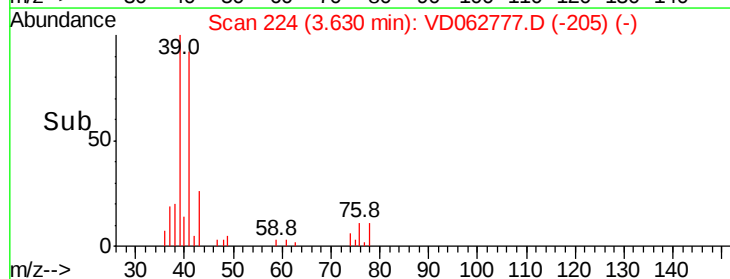
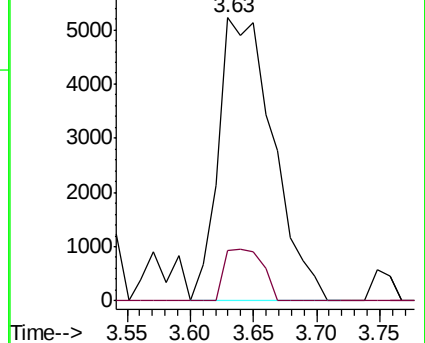
43 100

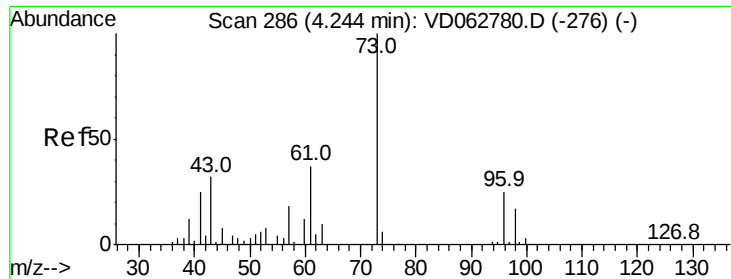
74 17.9 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



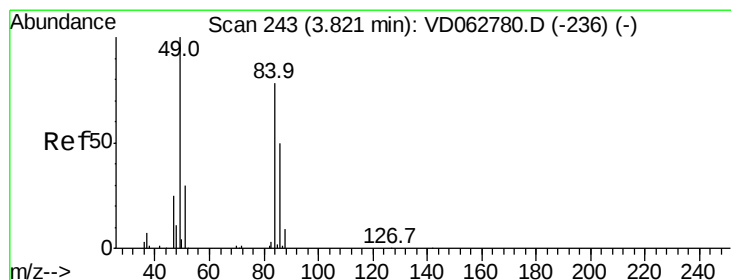
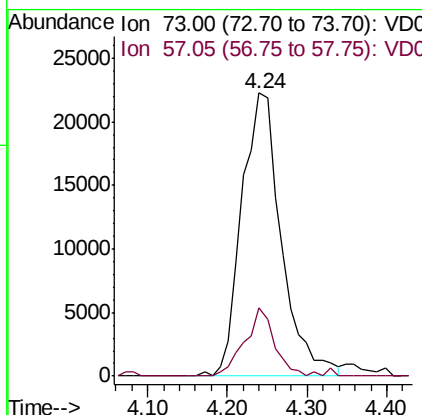
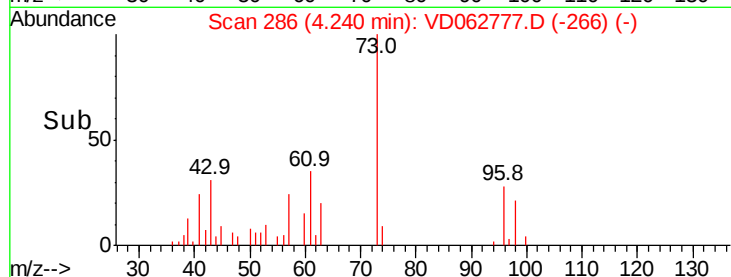
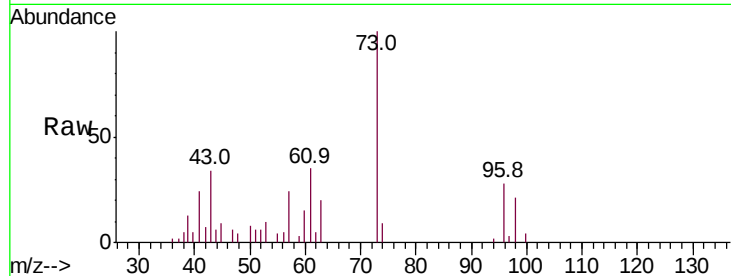


#19

Methyl tert-butyl Ether
 Concen: 5.062 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.00 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

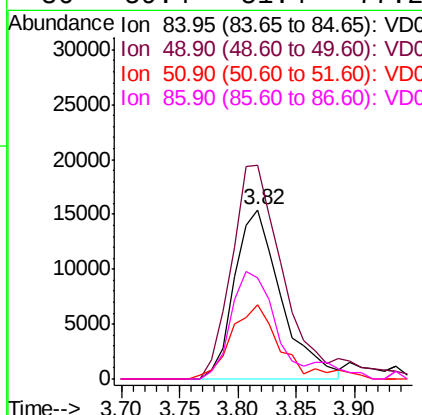
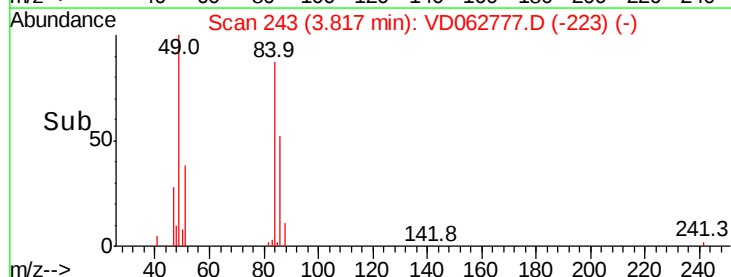
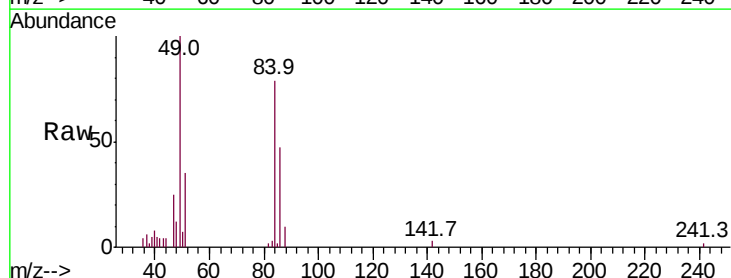
Tot Ion: 73 Resp: 76484
 Ion Ratio Lower Upper
 73 100
 57 24.2 14.3 21.5#

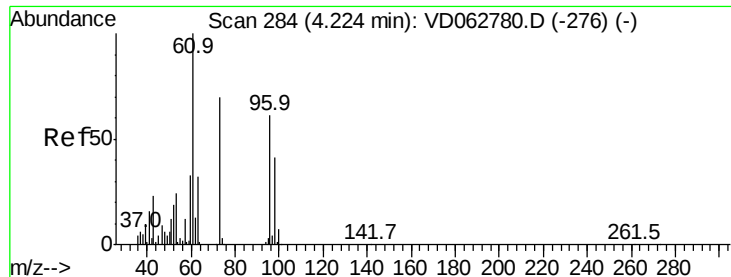


#20

Methylene Chloride
 Concen: 5.872 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.00 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

Tgt Ion: 84 Resp: 42815
 Ion Ratio Lower Upper
 84 100
 49 126.0 102.9 154.3
 51 44.0 31.2 46.8
 86 59.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 5.323 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

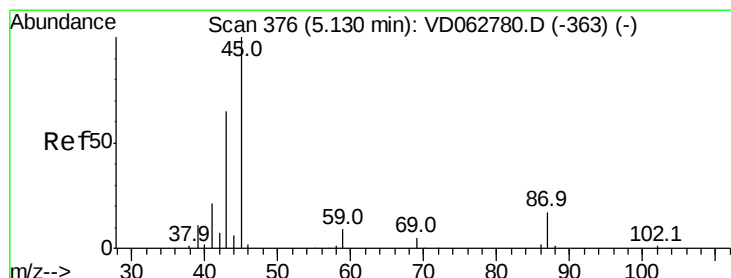
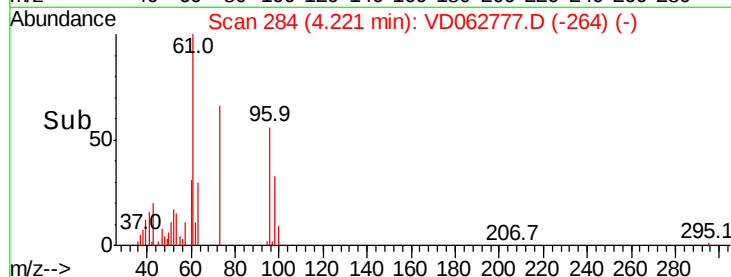
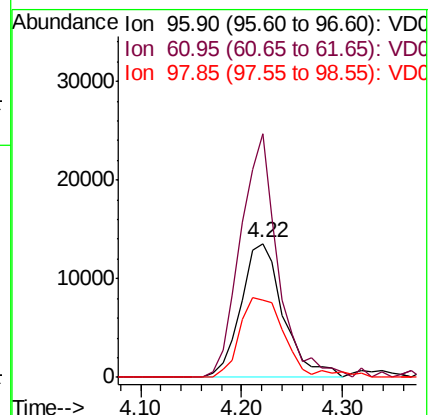
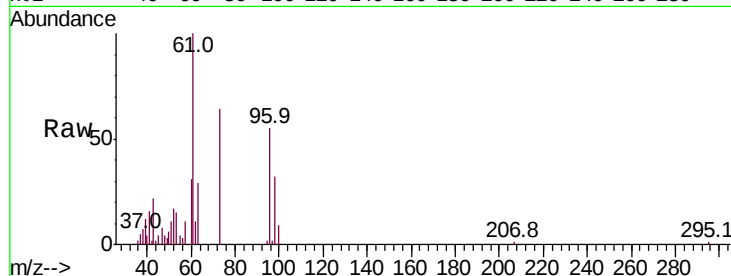
Tot Ion: 96 Resp: 39556

Ion Ratio Lower Upper

96 100

61 181.5 131.0 196.4

98 57.9 53.2 79.8



#22

Diisopropyl ether

Concen: 4.952 ug/l

RT: 5.13 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Tgt Ion: 45 Resp: 103863

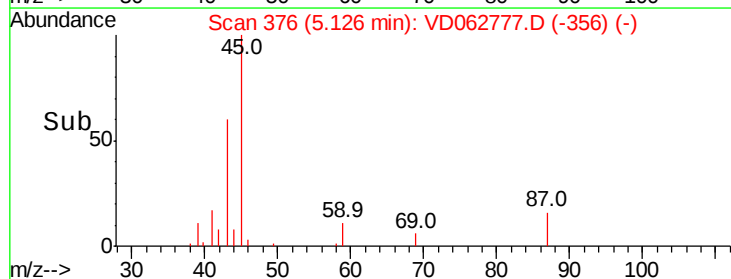
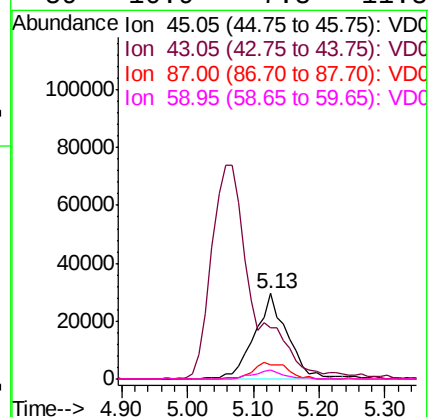
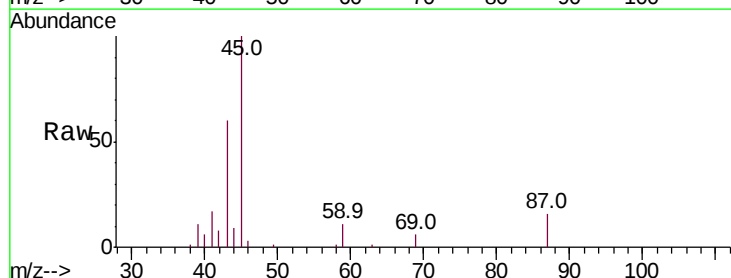
Ion Ratio Lower Upper

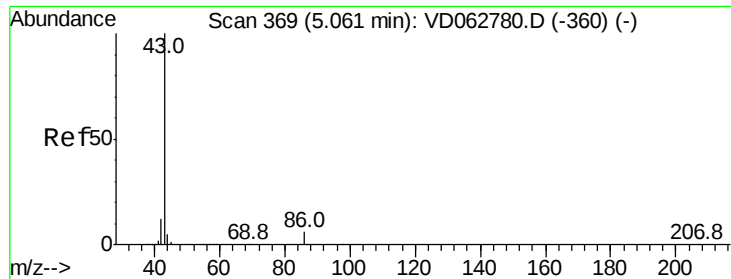
45 100

43 59.6 53.4 80.0

87 16.0 14.6 22.0

59 10.9 7.8 11.8

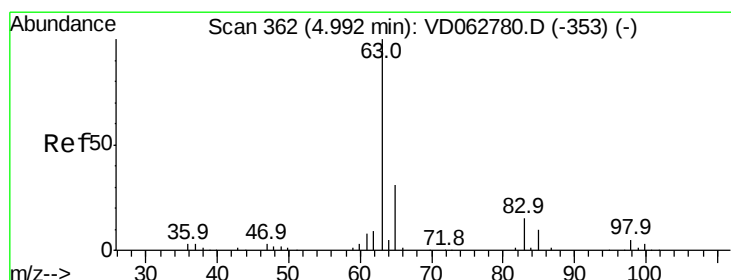
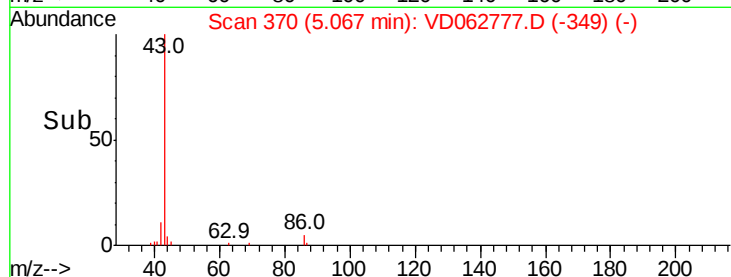
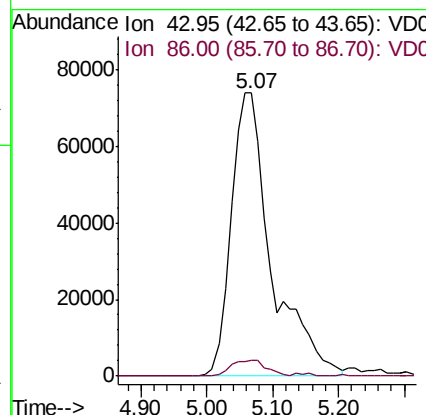
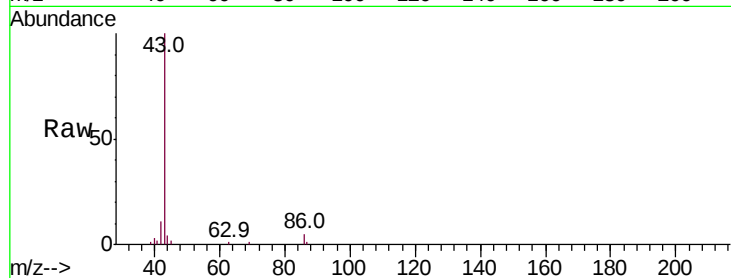




#23
 Vinyl Acetate
 Concen: 23.997 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

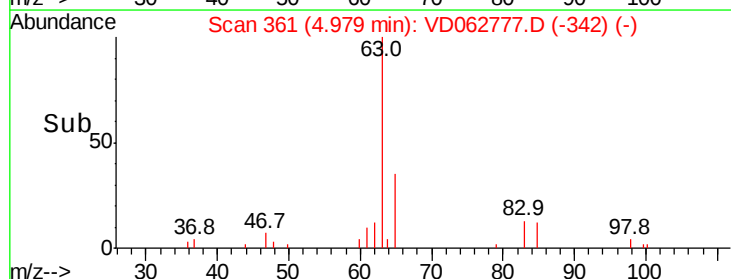
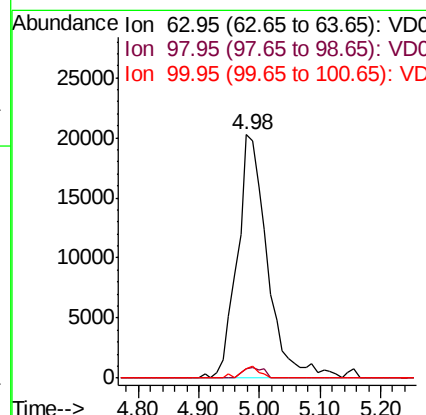
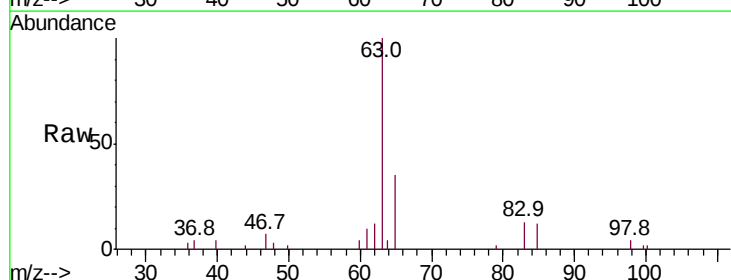
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

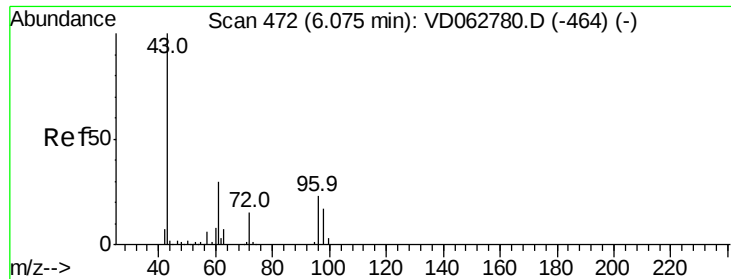
Tot Ion: 43 Resp: 315560
 Ion Ratio Lower Upper
 43 100
 86 5.4 4.7 7.1



#24
 1,1-Dichloroethane
 Concen: 5.114 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. -0.01 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

Tgt Ion: 63 Resp: 69827
 Ion Ratio Lower Upper
 63 100
 98 3.8 2.3 6.9
 100 4.1 1.7 5.1





#25

2-Butanone

Concen: 22.883 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

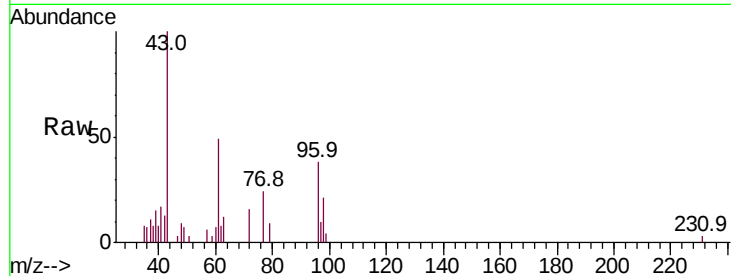
VSTDIC005

Tot Ion: 43 Resp: 40912

Ion Ratio Lower Upper

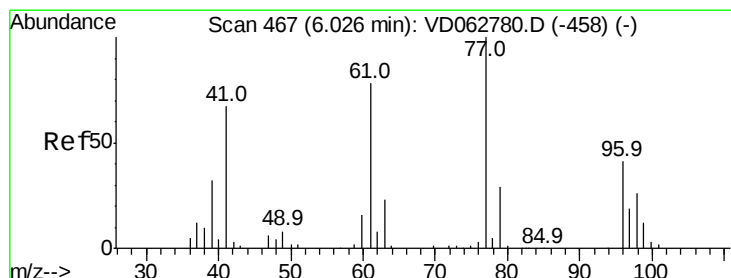
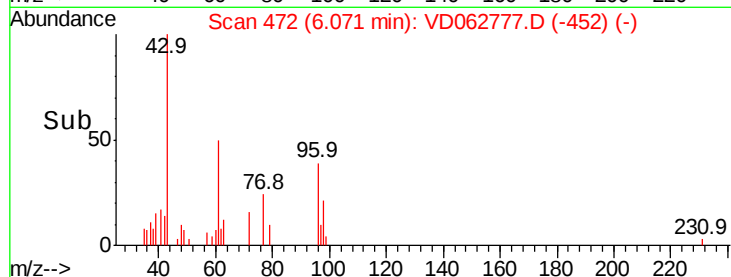
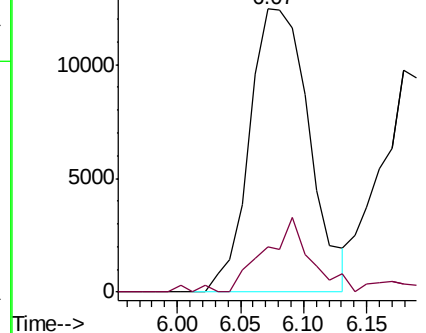
43 100

72 15.9 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: 5.108 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD062777.D

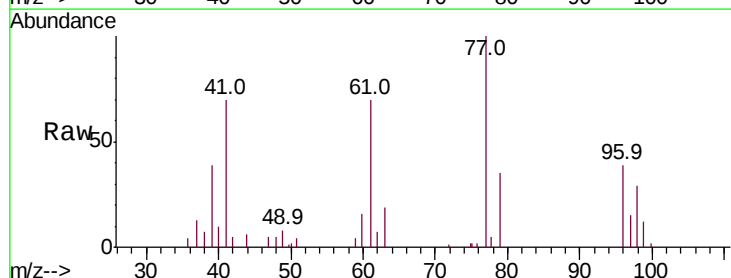
Acq: 19 Jun 2019 14:18

Tgt Ion: 77 Resp: 73940

Ion Ratio Lower Upper

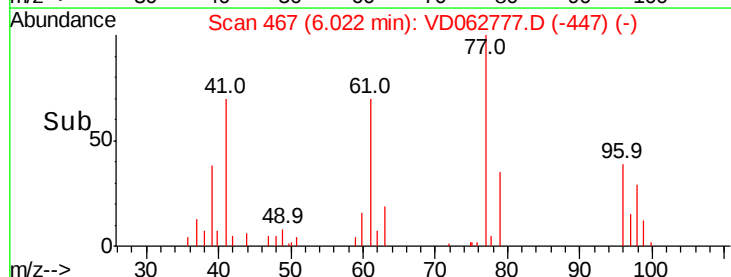
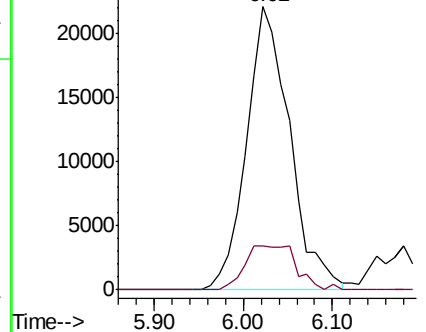
77 100

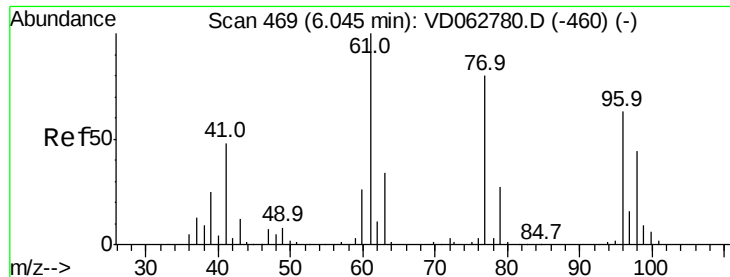
97 15.3 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



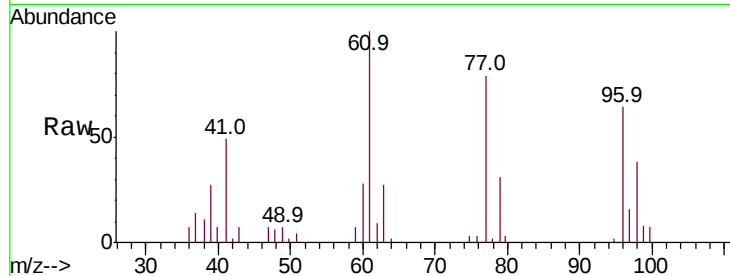


#27

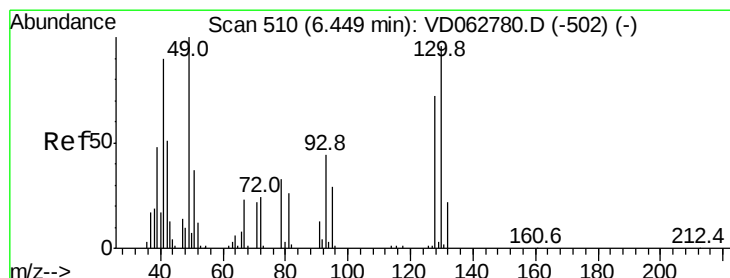
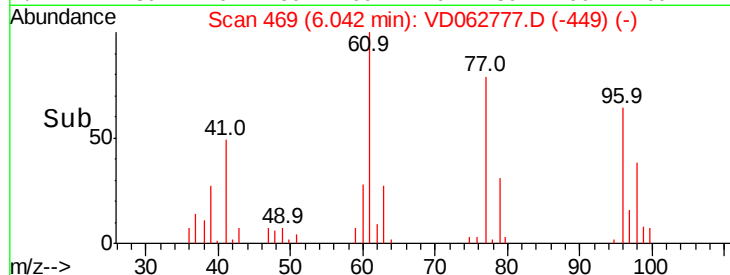
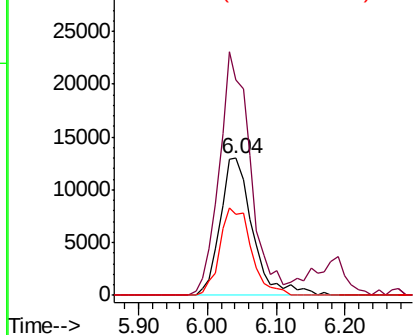
cis-1,2-Dichloroethene
 Concen: 5.394 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 96 Resp: 42394
 Ion Ratio Lower Upper
 96 100
 61 157.1 0.0 316.0
 98 59.0 0.0 138.4



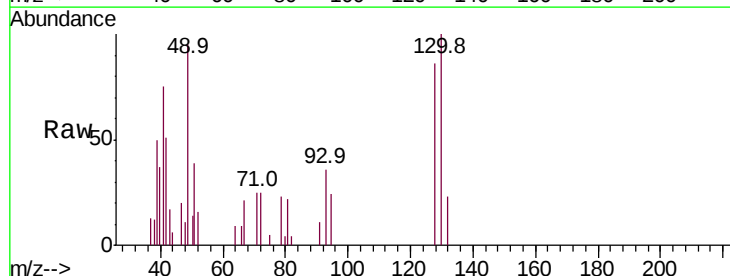
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



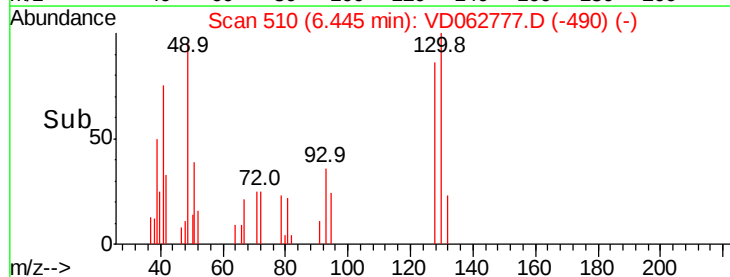
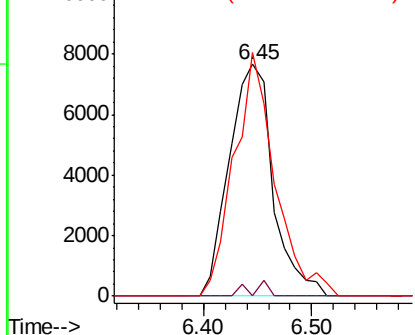
#28

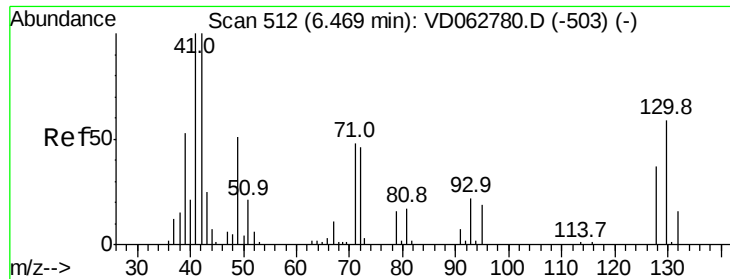
Bromochloromethane
 Concen: 4.489 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

Tgt Ion: 49 Resp: 21589
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 105.0 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 26.061 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

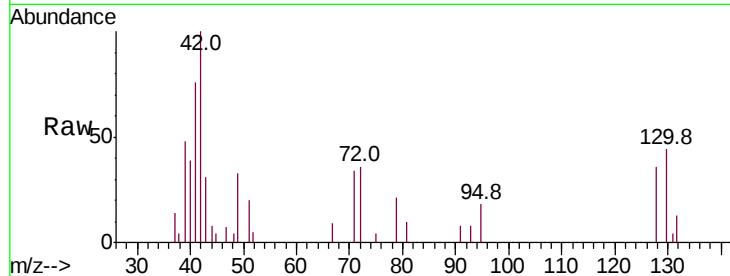
Tot Ion: 42 Resp: 22046

Ion Ratio Lower Upper

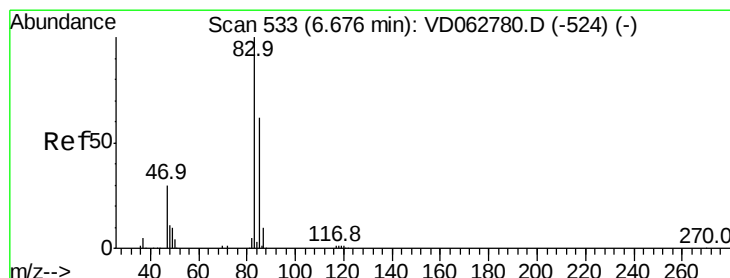
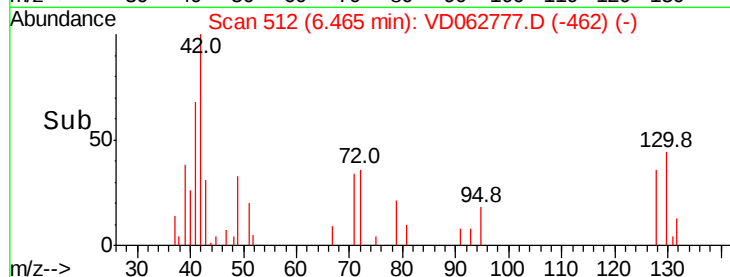
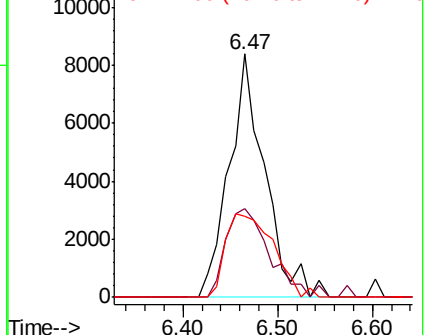
42 100

72 44.6 35.0 52.6

71 45.8 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: 5.286 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD062777.D

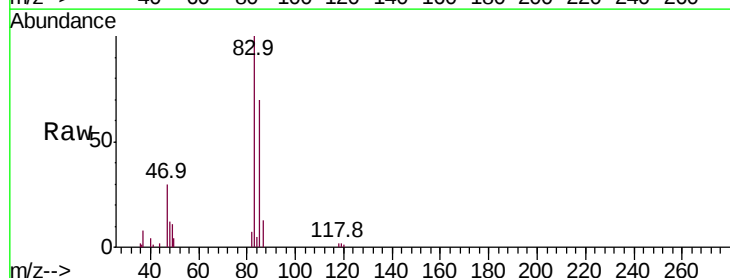
Acq: 19 Jun 2019 14:18

Tgt Ion: 83 Resp: 87781

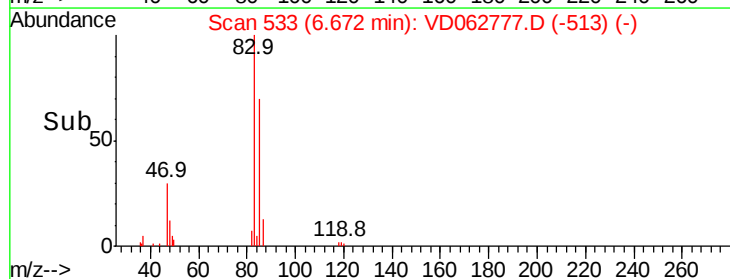
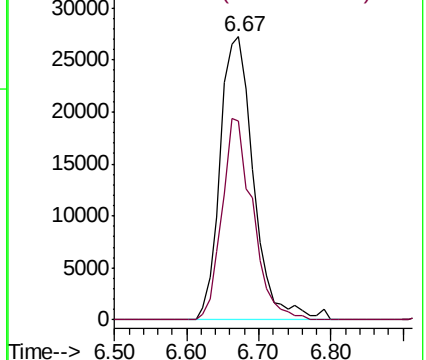
Ion Ratio Lower Upper

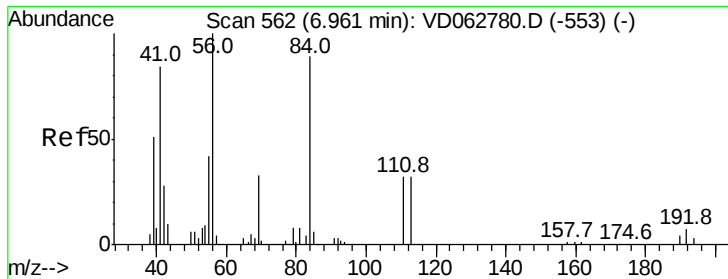
83 100

85 70.2 49.8 74.6



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

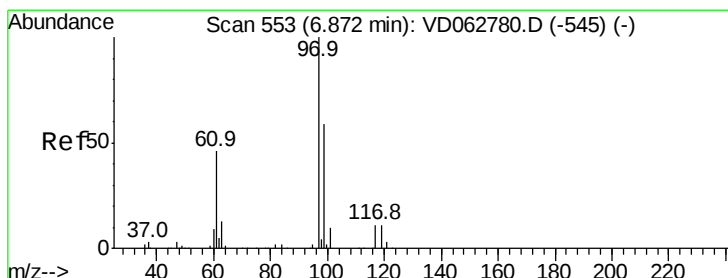
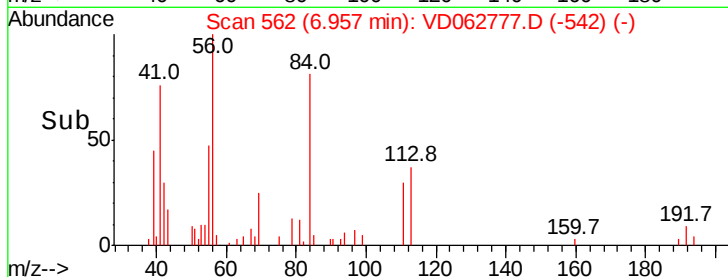
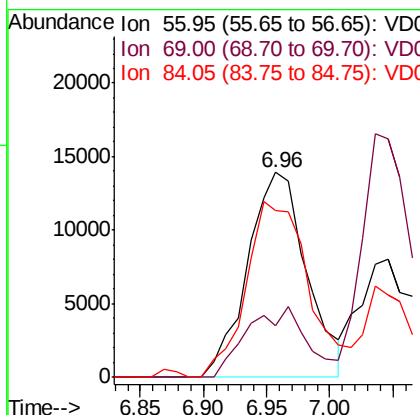
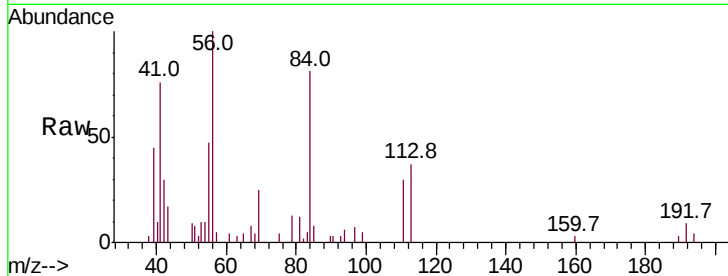




#31
Cyclohexane
Concen: 5.050 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

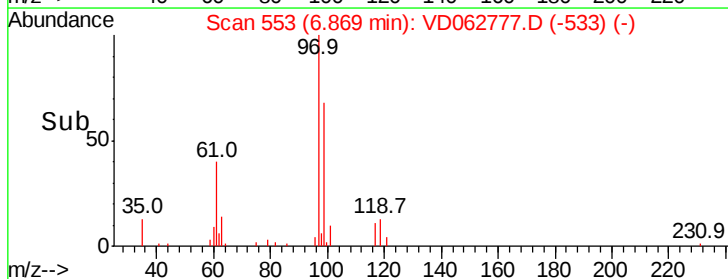
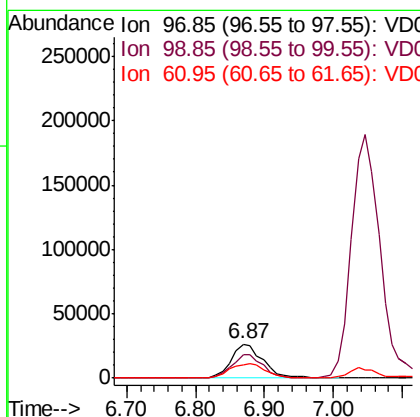
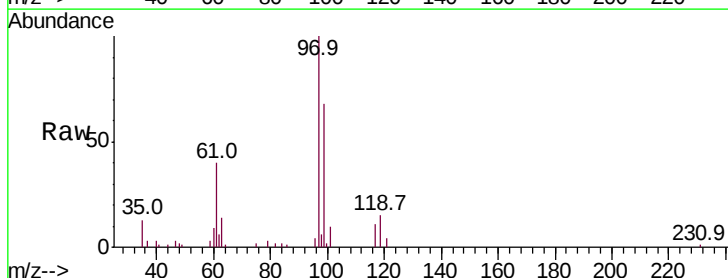
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

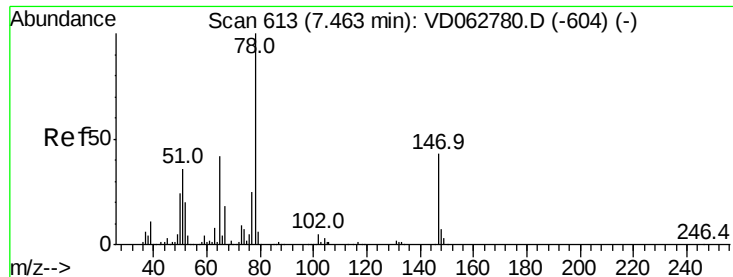
Tot Ion: 56 Resp: 45332
Ion Ratio Lower Upper
56 100
69 25.4 26.6 39.8#
84 81.5 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 4.930 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Tgt Ion: 97 Resp: 85281
Ion Ratio Lower Upper
97 100
99 67.7 47.4 71.2
61 40.0 37.2 55.8





#33

1,2-Dichloroethane-d4

Concen: 4.608 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

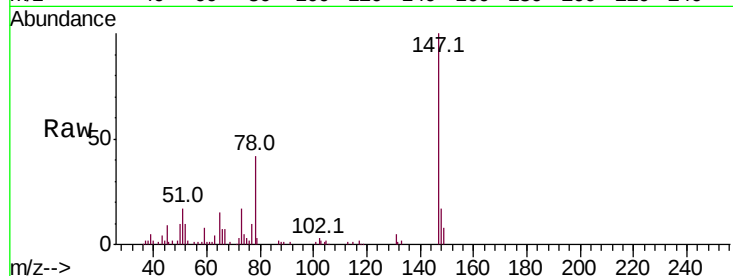
VSTDIC005

Tot Ion: 65 Resp: 44049

Ion Ratio Lower Upper

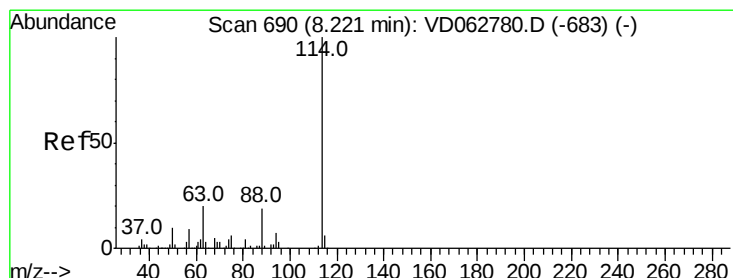
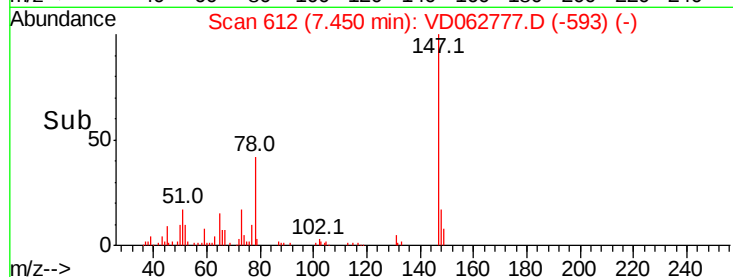
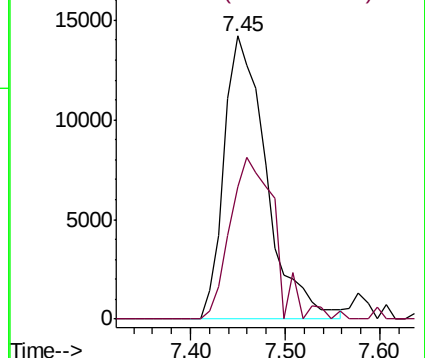
65 100

67 46.8 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

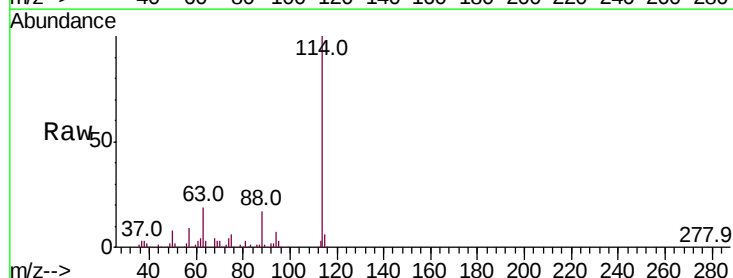
Tgt Ion: 114 Resp: 1123673

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

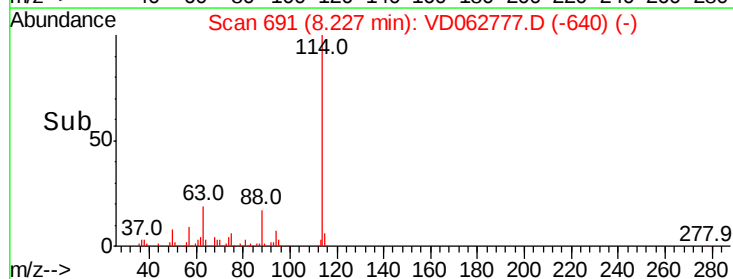
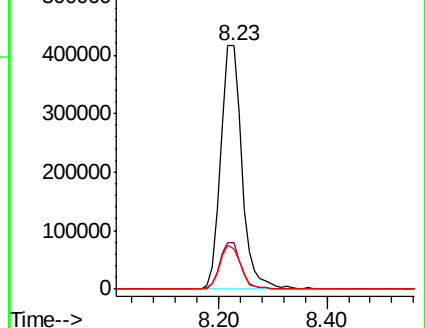
88 16.7 0.0 38.8

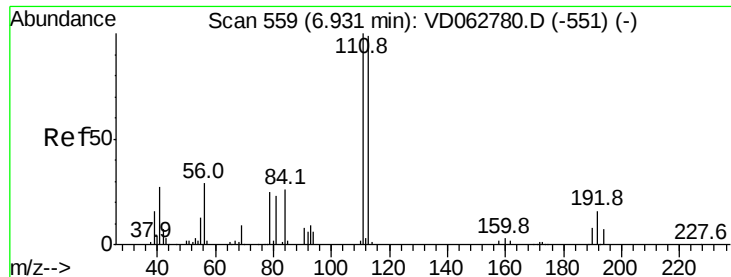


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

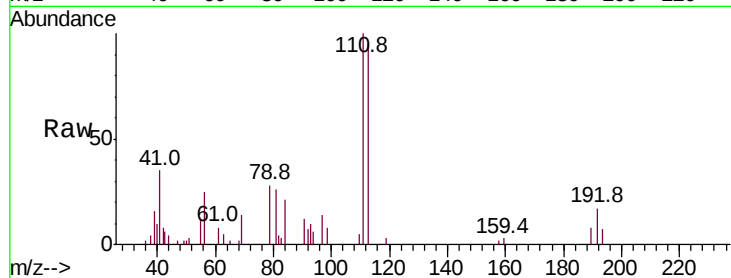




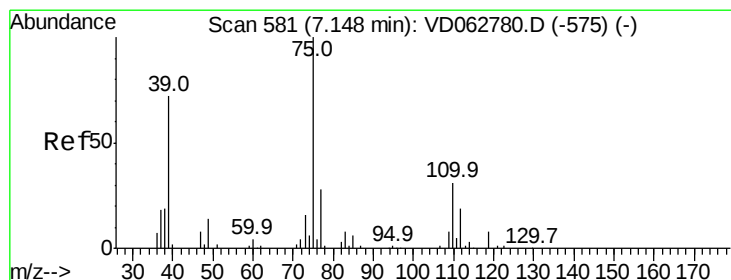
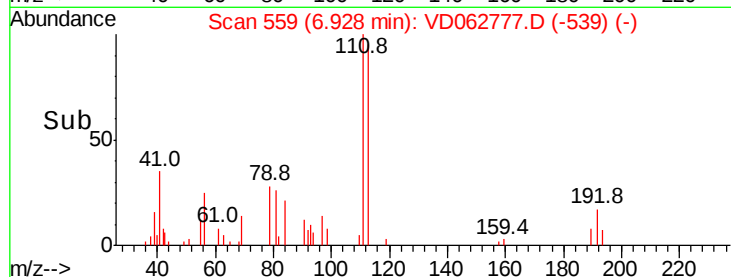
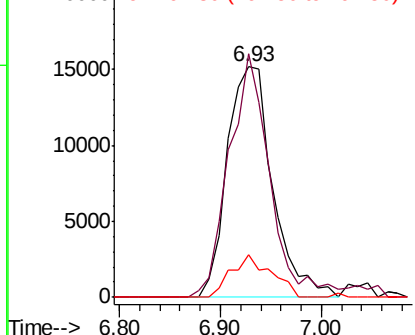
#35
Dibromofluoromethane
Concen: 5.040 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:113 Resp: 47755
Ion Ratio Lower Upper
113 100
111 105.7 81.2 121.8
192 18.4 12.9 19.3

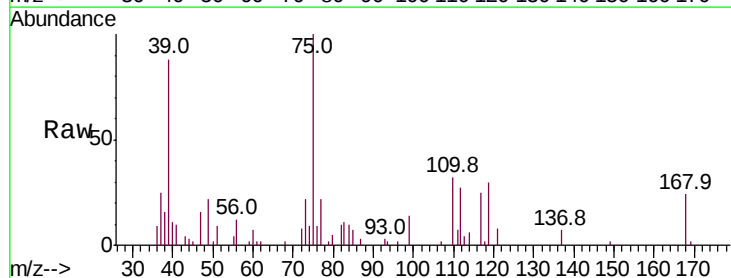


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

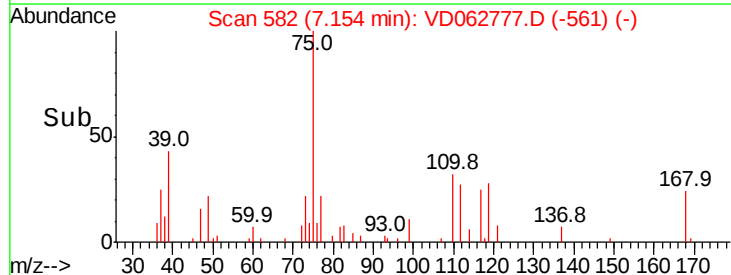
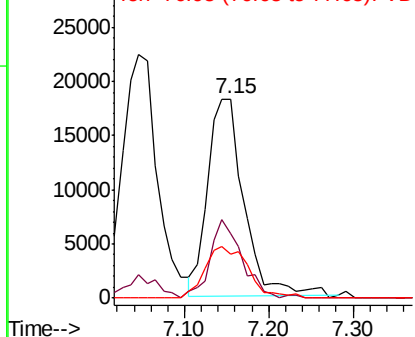


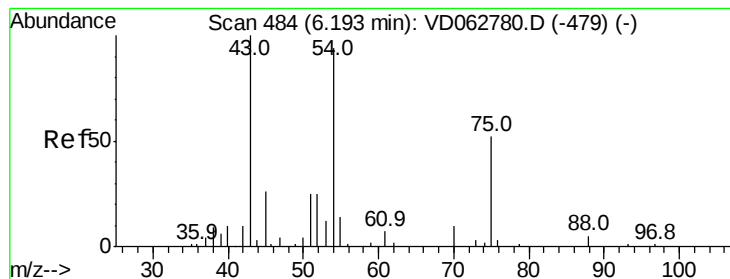
#36
1,1-Dichloropropene
Concen: 5.082 ug/l
RT: 7.15 min Scan# 582
Delta R.T. 0.01 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Tgt Ion: 75 Resp: 54057
Ion Ratio Lower Upper
75 100
110 32.4 15.0 45.1
77 22.0 22.2 33.2#



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





#37

Ethyl Acetate

Concen: 7.145 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

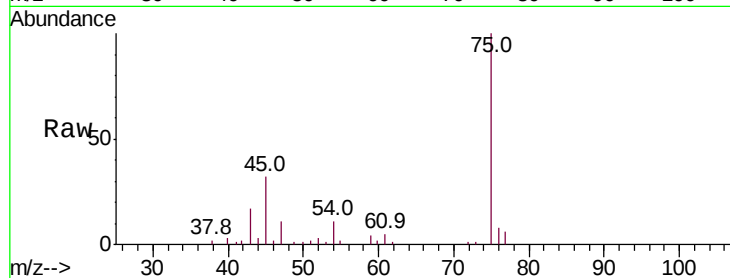
Tot Ion: 43 Resp: 34804

Ion Ratio Lower Upper

43 100

61 32.7 11.6 17.4#

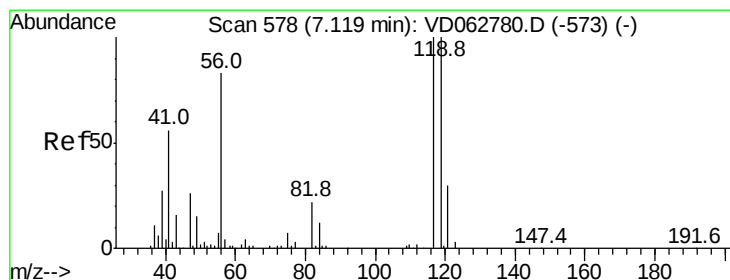
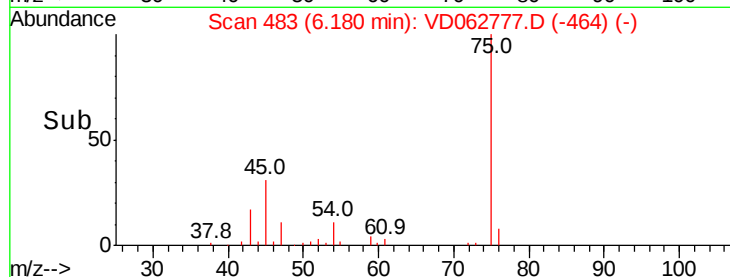
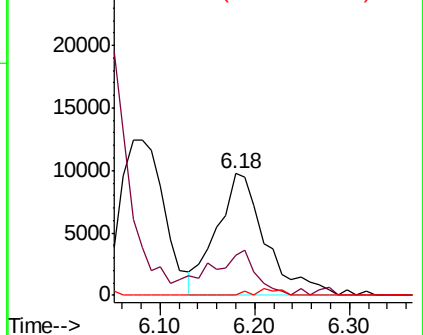
70 0.0 6.4 9.6#



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: 5.373 ug/l

RT: 7.10 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

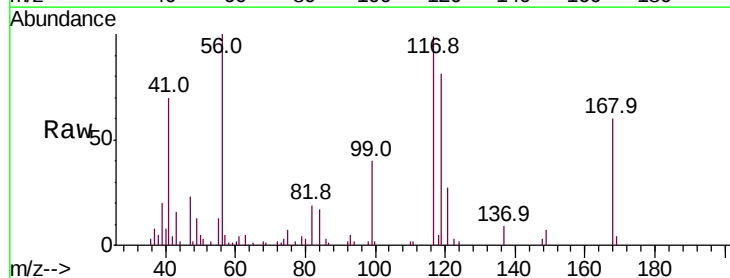
Tgt Ion: 117 Resp: 87538

Ion Ratio Lower Upper

117 100

119 82.4 75.4 113.2

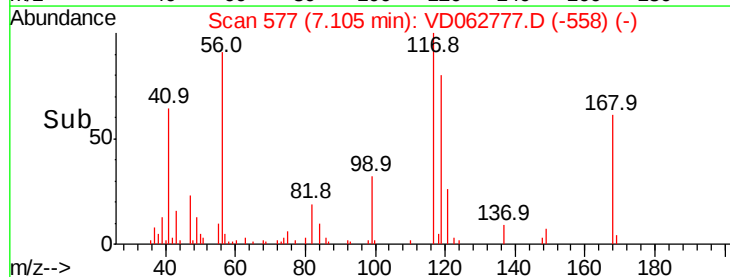
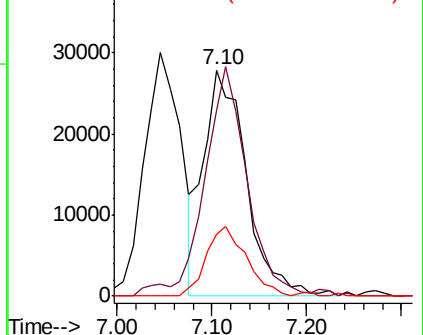
121 27.5 22.3 33.5

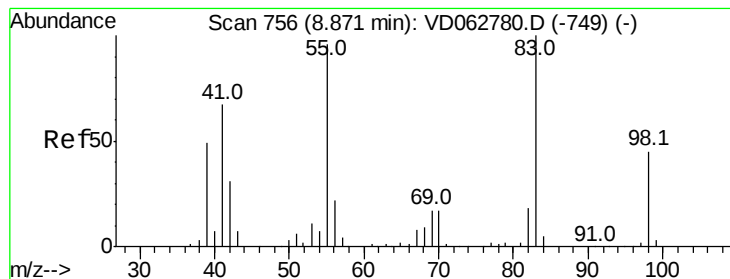


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 5.282 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

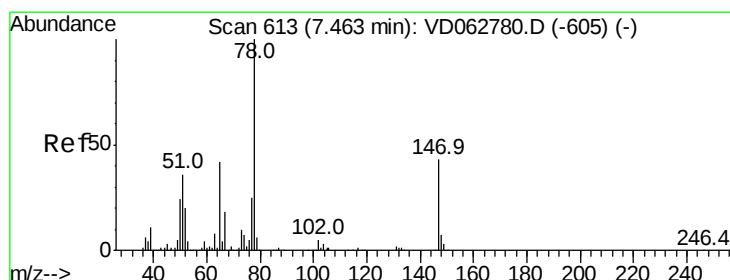
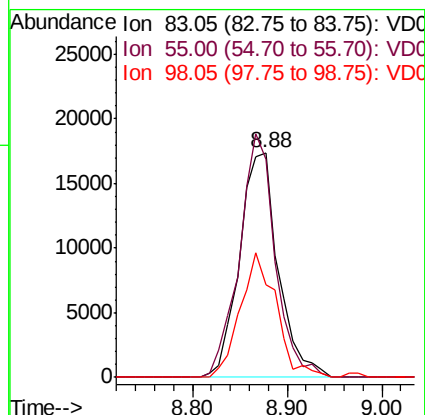
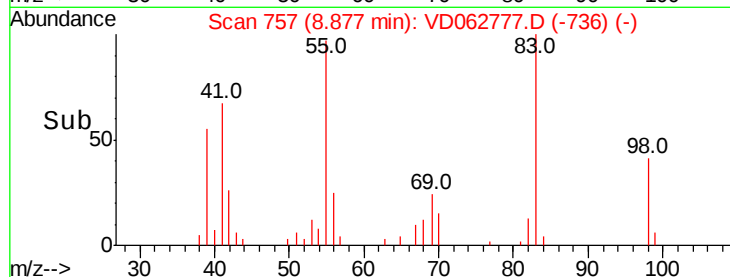
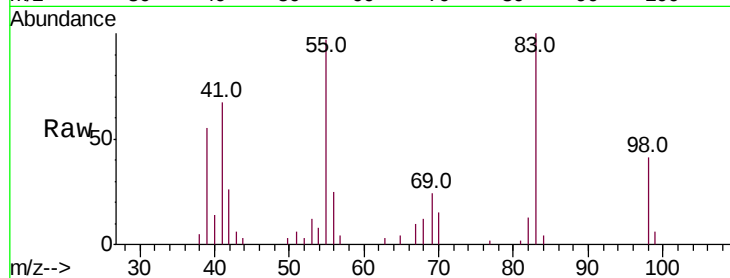
Tot Ion: 83 Resp: 49454

Ion Ratio Lower Upper

83 100

55 96.7 76.6 115.0

98 41.1 35.7 53.5



#40

Benzene

Concen: 5.202 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062777.D

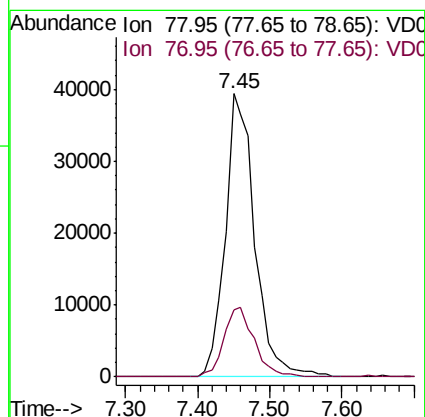
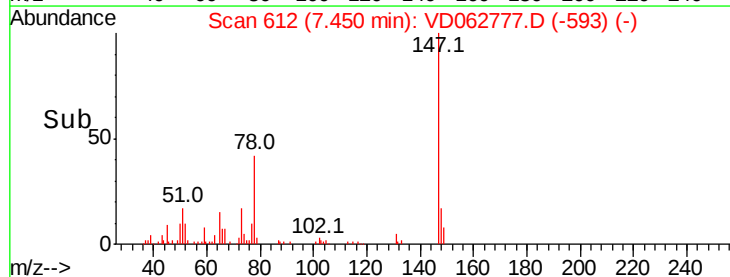
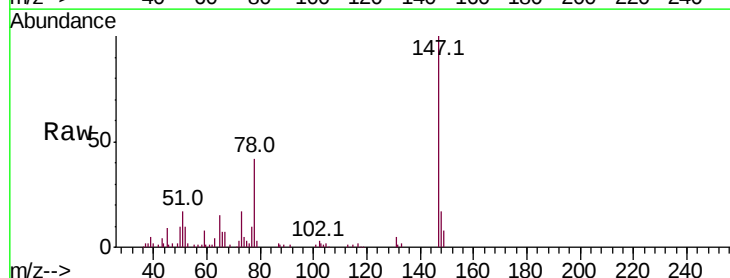
Acq: 19 Jun 2019 14:18

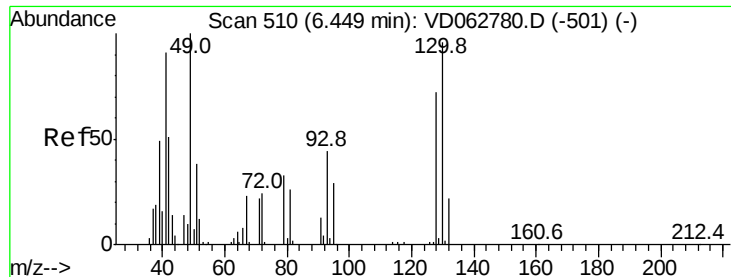
Tgt Ion: 78 Resp: 111081

Ion Ratio Lower Upper

78 100

77 23.5 20.2 30.2

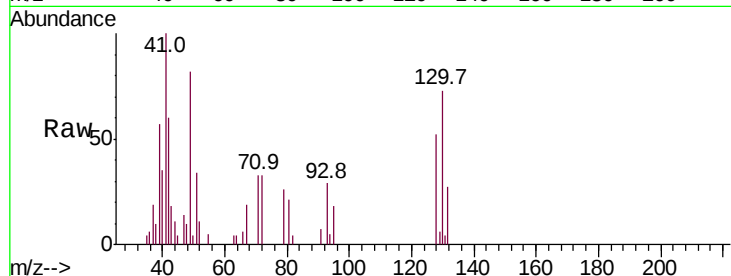




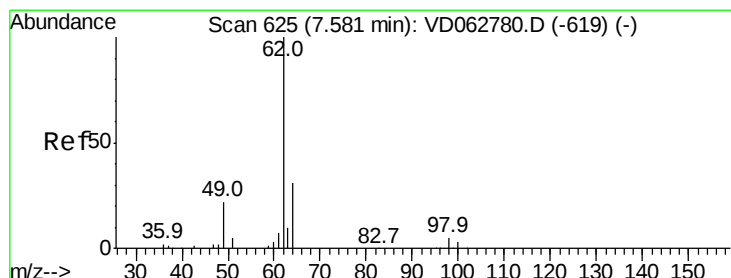
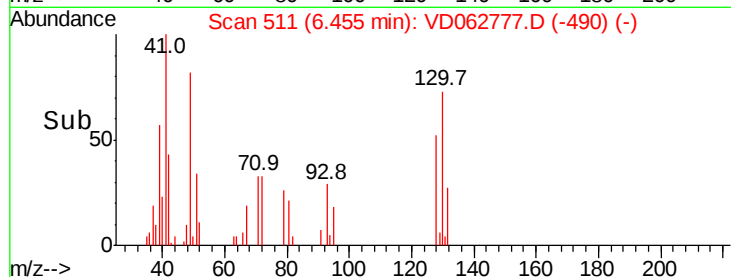
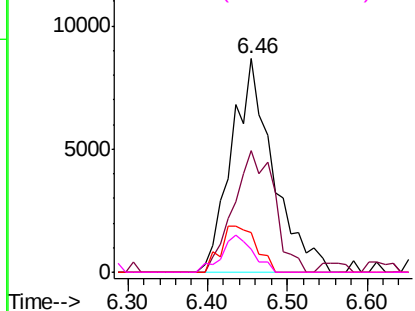
#41
Methacrylonitrile
Concen: 5.609 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 41 Resp: 31462
Ion Ratio Lower Upper
41 100
39 56.7 43.2 64.8
67 18.8 19.9 29.9#
52 10.9 10.2 15.4

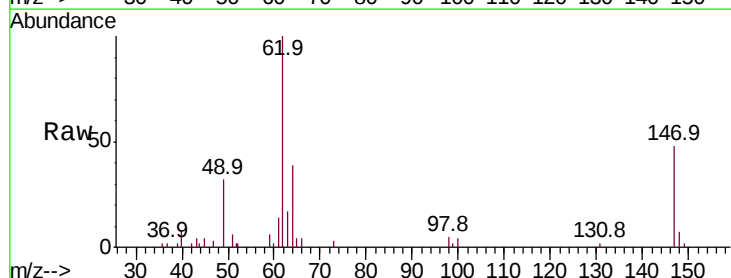


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

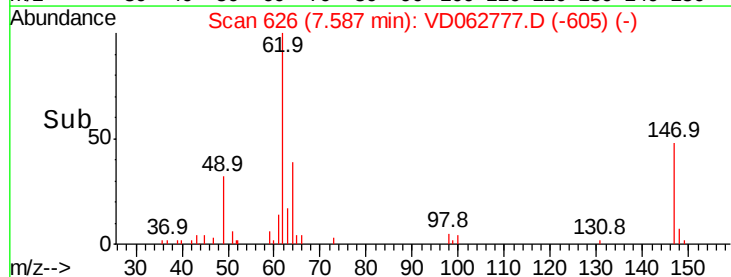
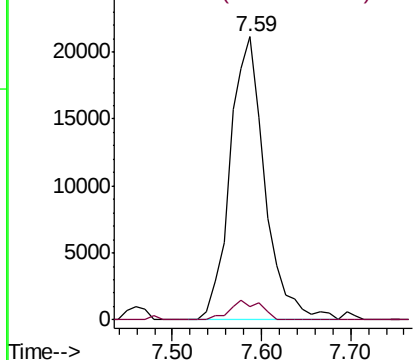


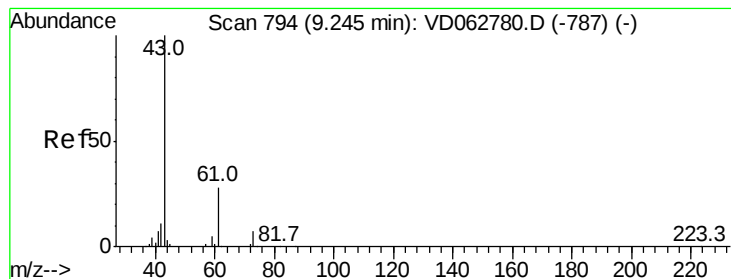
#42
1,2-Dichloroethane
Concen: 4.934 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Tgt Ion: 62 Resp: 57471
Ion Ratio Lower Upper
62 100
98 4.6 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: 4.843 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

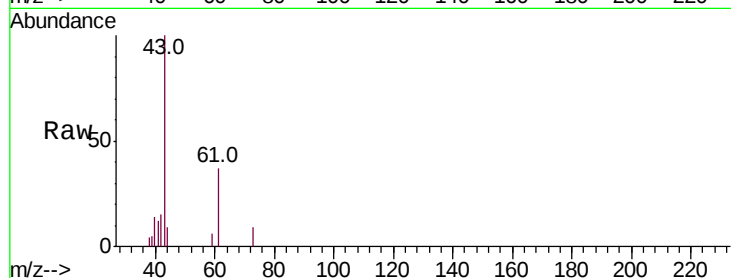
Tot Ion: 43 Resp: 27008

Ion Ratio Lower Upper

43 100

61 36.7 22.4 33.6#

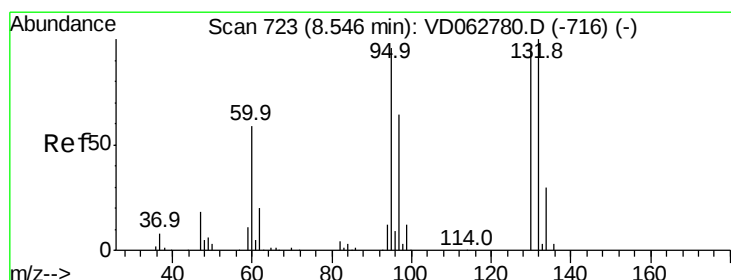
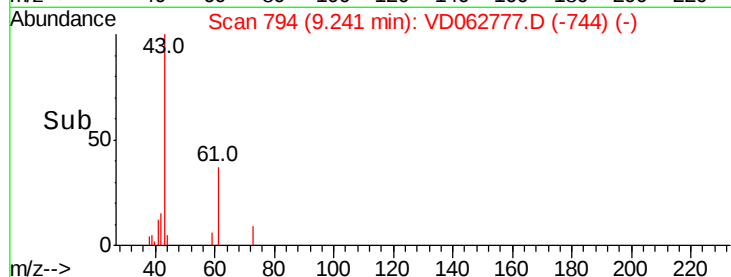
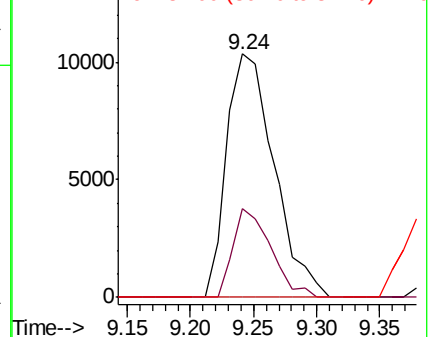
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 5.345 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062777.D

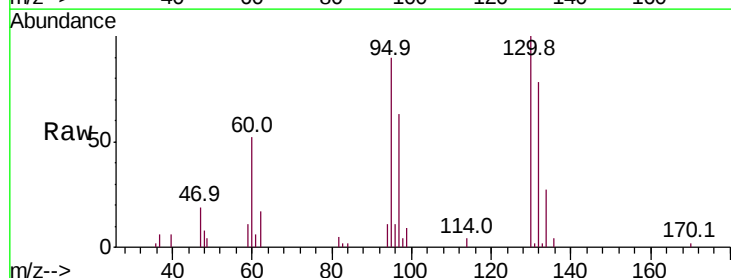
Acq: 19 Jun 2019 14:18

Tgt Ion:130 Resp: 44745

Ion Ratio Lower Upper

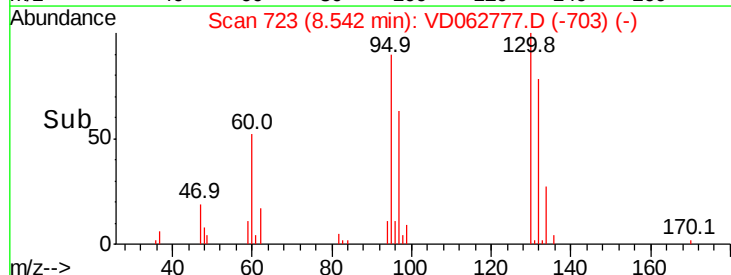
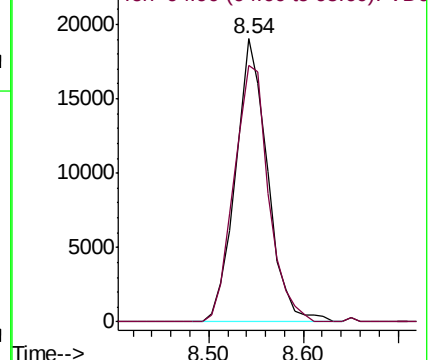
130 100

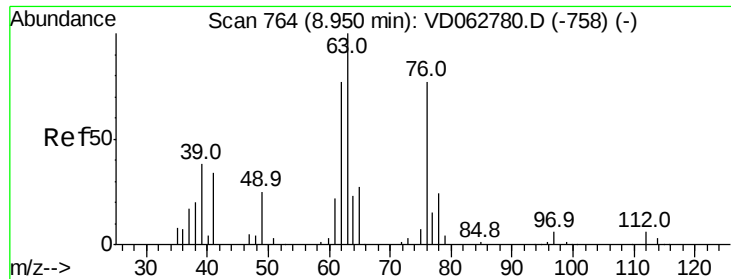
95 90.5 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

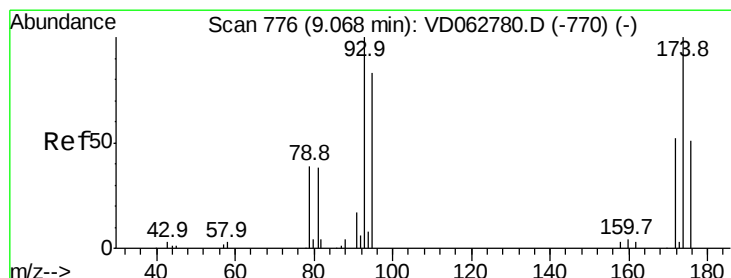
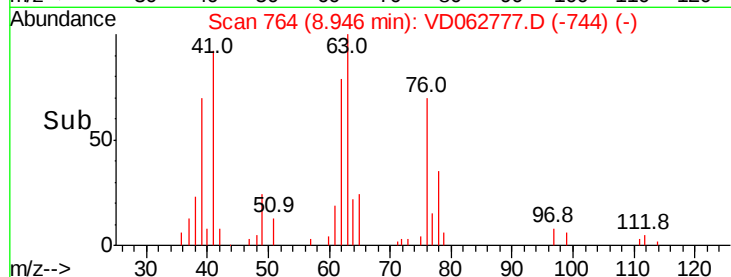
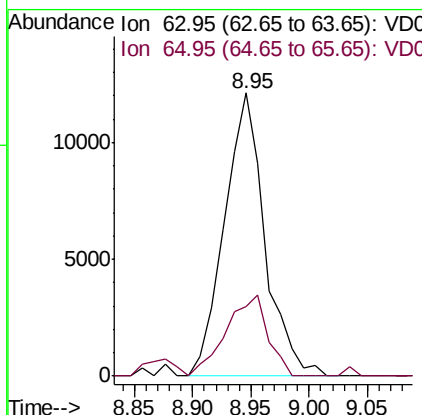
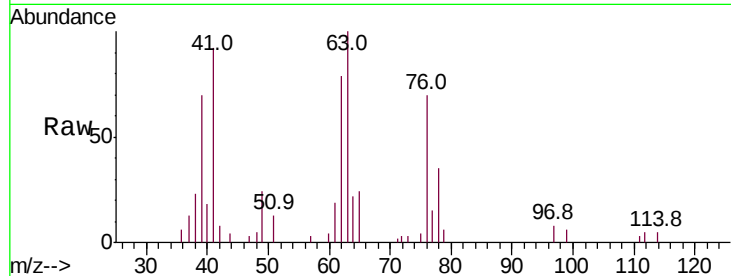




#45
 1,2-Dichloropropane
 Concen: 5.466 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

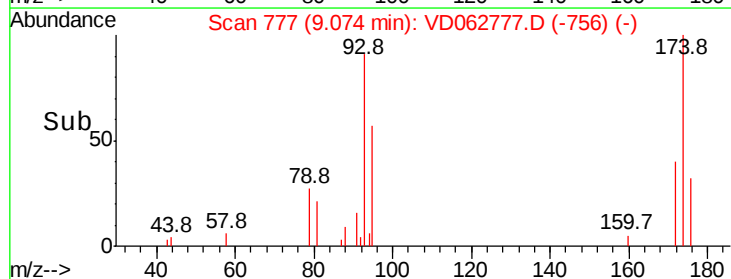
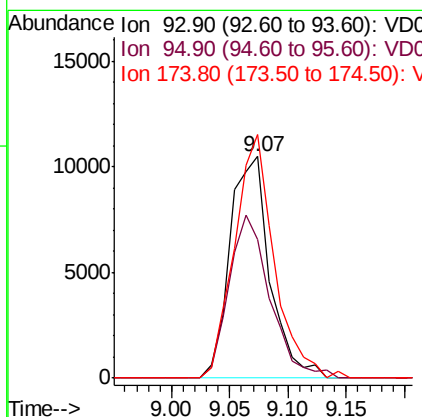
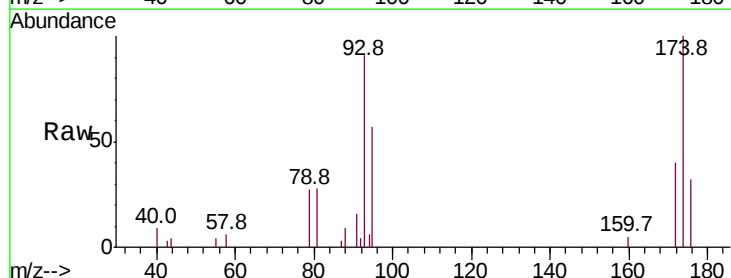
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

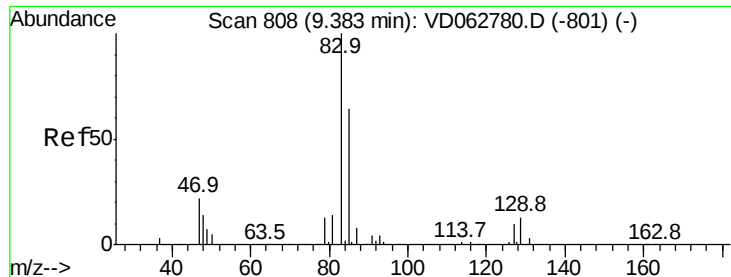
Tot Ion: 63 Resp: 29023
 Ion Ratio Lower Upper
 63 100
 65 24.4 24.2 36.2



#46
 Dibromomethane
 Concen: 5.449 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

Tgt Ion: 93 Resp: 24850
 Ion Ratio Lower Upper
 93 100
 95 62.9 66.6 100.0#
 174 110.0 79.7 119.5





#47

Bromodichloromethane

Concen: 4.900 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

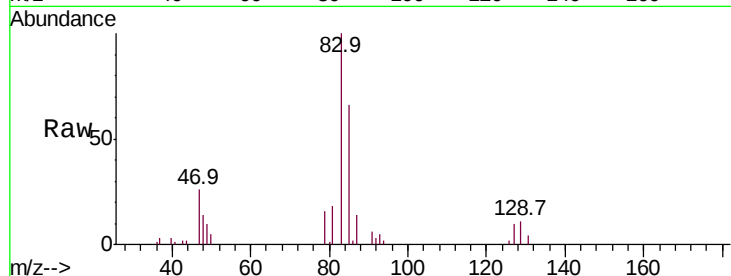
Tot Ion: 83 Resp: 58040

Ion Ratio Lower Upper

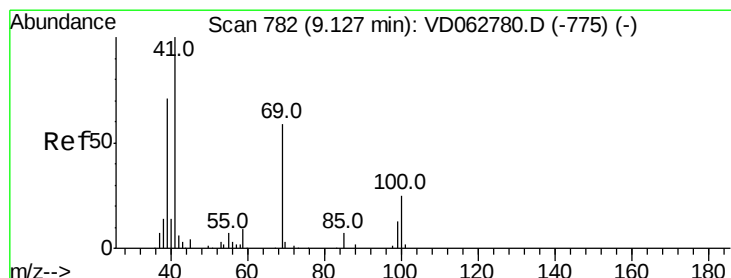
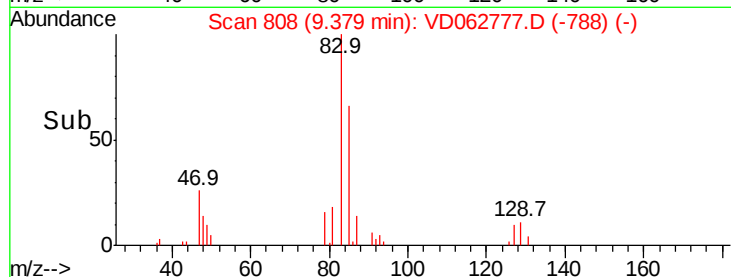
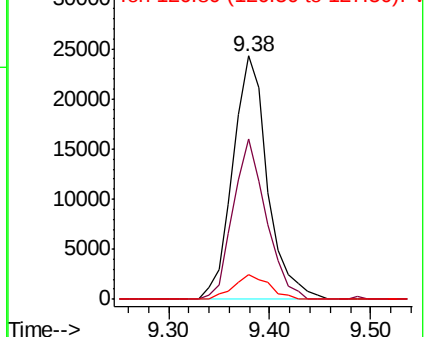
83 100

85 65.6 51.6 77.4

127 10.0 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: 5.409 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

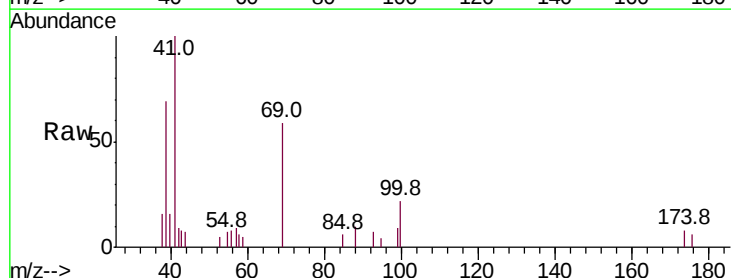
Tgt Ion: 41 Resp: 21436

Ion Ratio Lower Upper

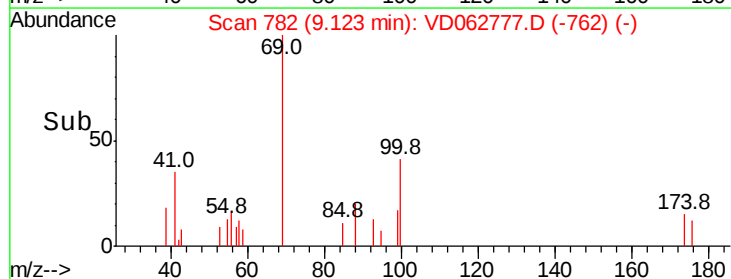
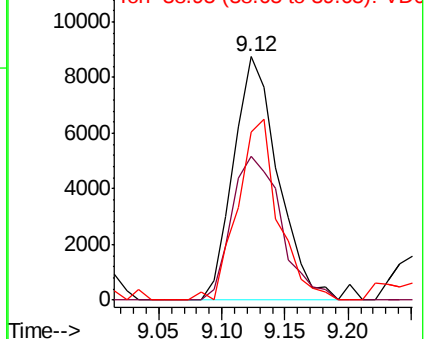
41 100

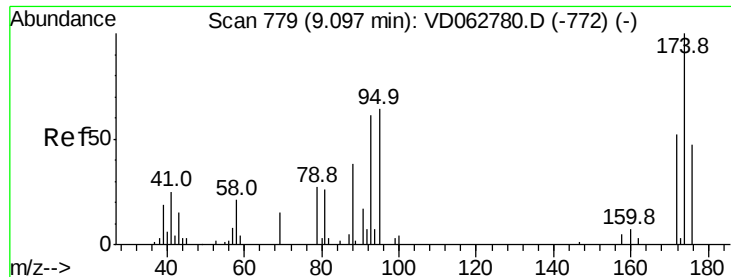
69 59.1 47.2 70.8

39 68.9 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

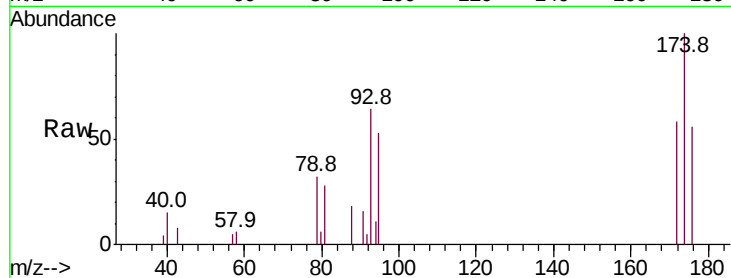




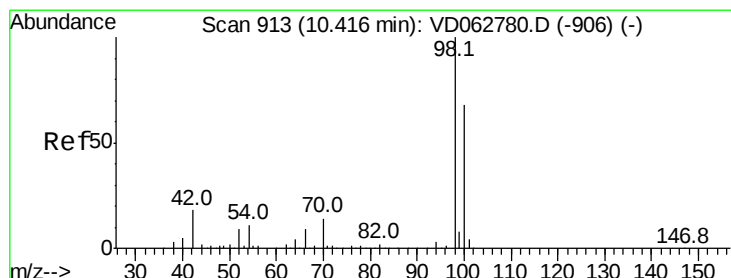
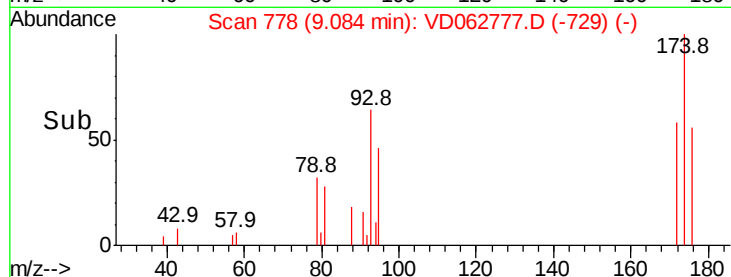
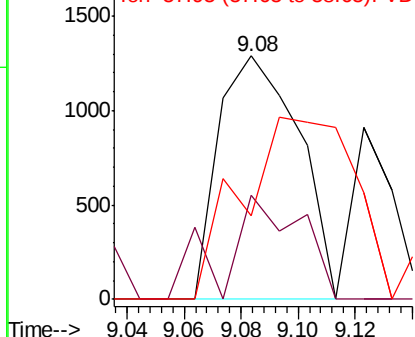
#49
 1,4-Dioxane
 Concen: 76.250 ug/l m
 RT: 9.08 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 2514
 Ion Ratio Lower Upper
 88 100
 43 42.9 32.1 48.1
 58 34.4 44.1 66.1#

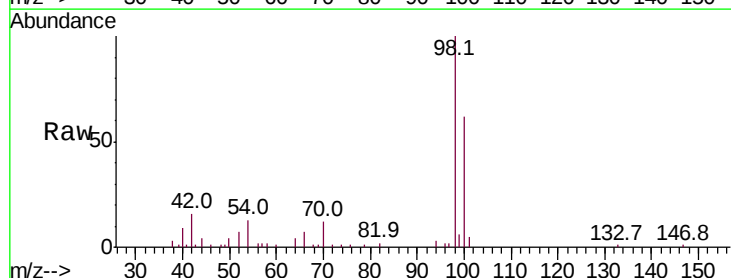


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

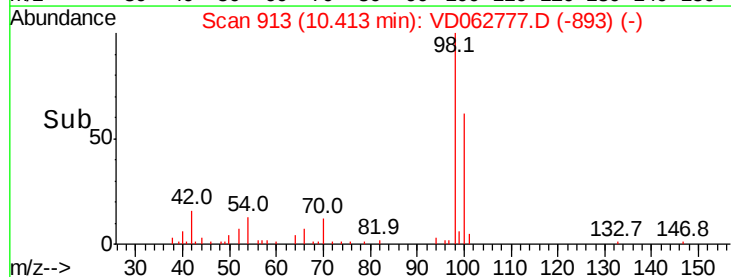
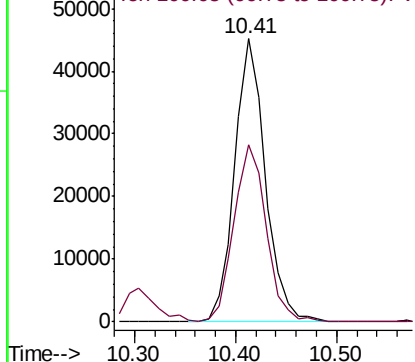


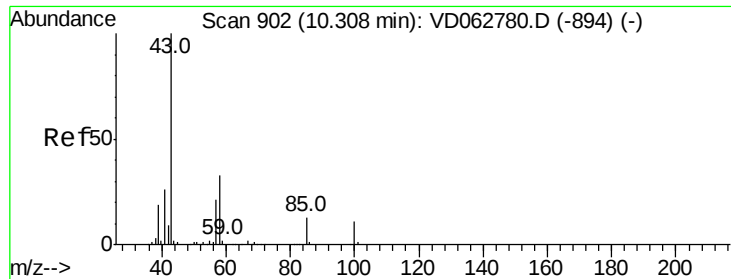
#50
 Toluene-d8
 Concen: 4.634 ug/l
 RT: 10.41 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

Tgt Ion: 98 Resp: 95561
 Ion Ratio Lower Upper
 98 100
 100 62.4 54.7 82.1



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

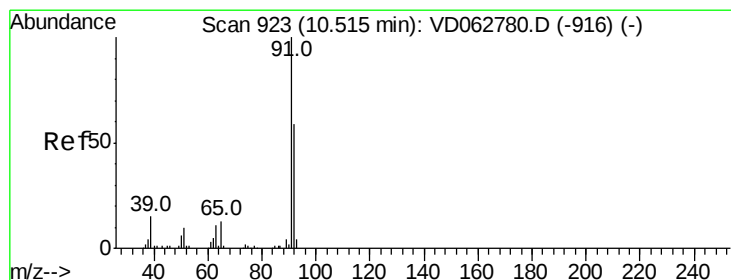
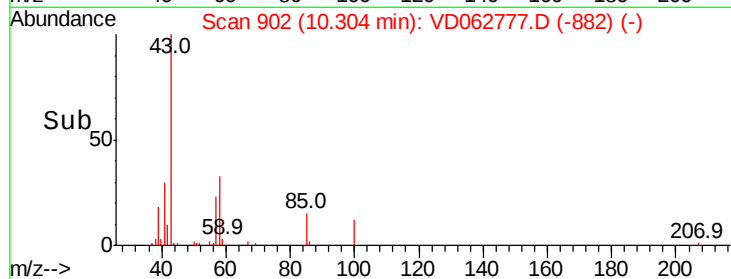
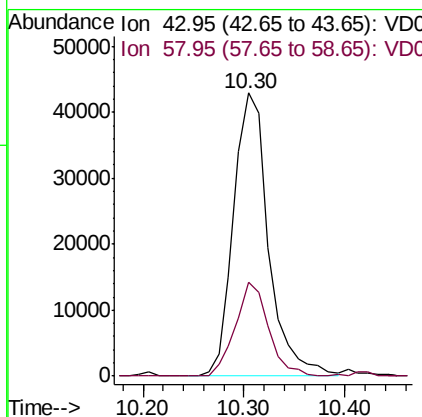
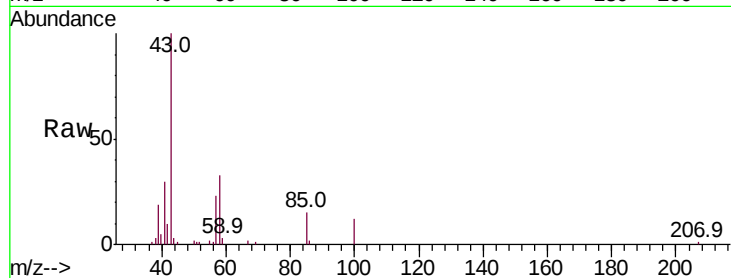




#51
4-Methyl-2-Pentanone
Concen: 26.248 ug/l
RT: 10.30 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

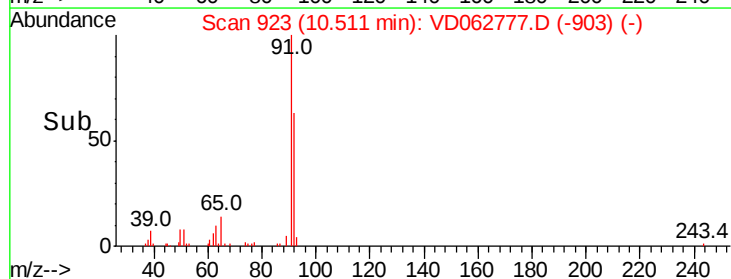
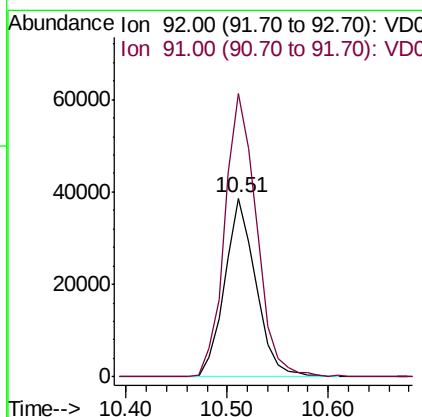
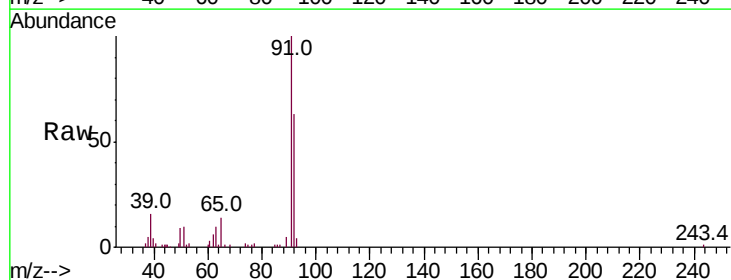
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

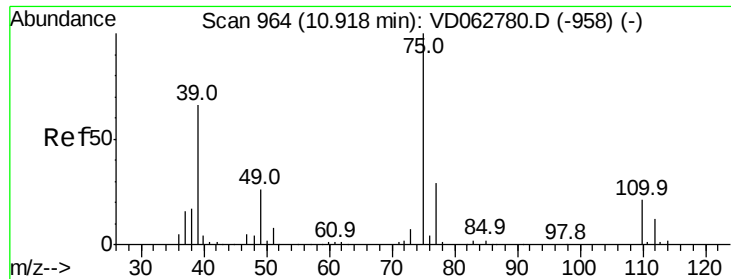
Tot Ion: 43 Resp: 103782
Ion Ratio Lower Upper
43 100
58 33.0 26.6 40.0



#52
Toluene
Concen: 5.759 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Tgt Ion: 92 Resp: 82663
Ion Ratio Lower Upper
92 100
91 158.5 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 4.683 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

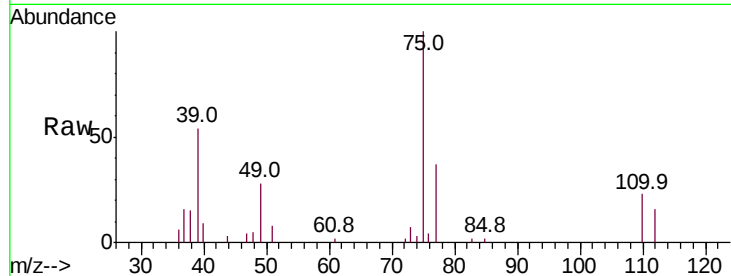
VSTDIC005

Tot Ion: 75 Resp: 45401

Ion Ratio Lower Upper

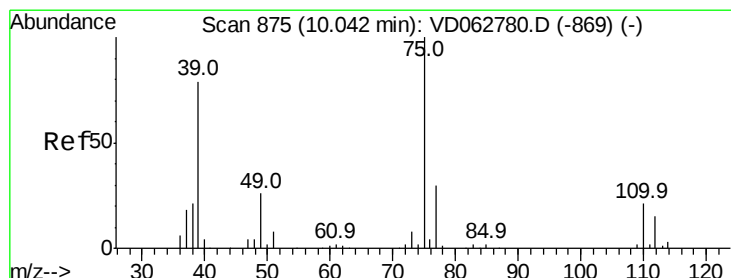
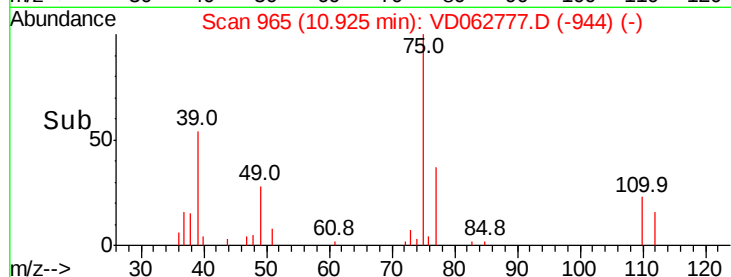
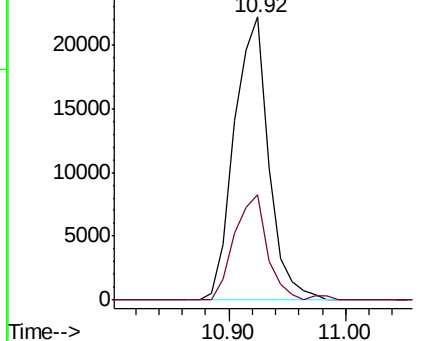
75 100

77 37.5 23.2 34.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 4.963 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

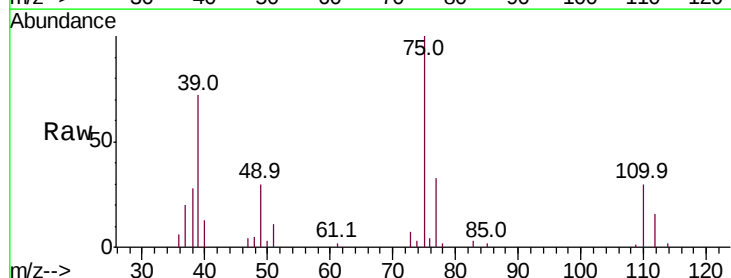
Tgt Ion: 75 Resp: 52302

Ion Ratio Lower Upper

75 100

77 32.9 24.2 36.2

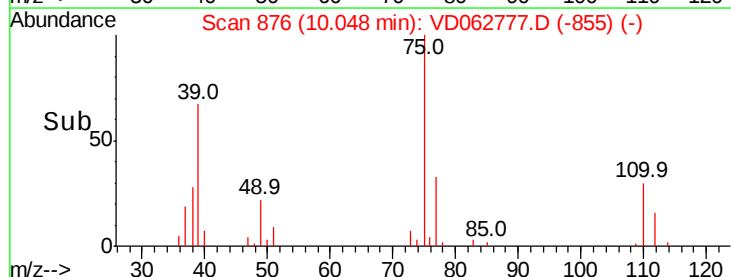
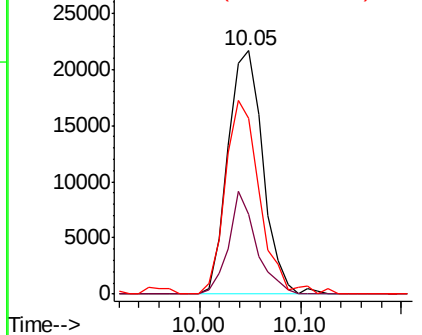
39 72.2 63.5 95.3

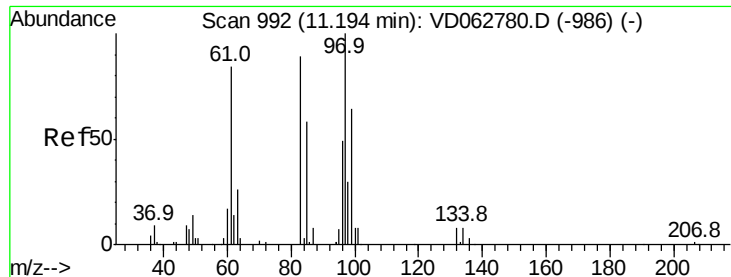


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 5.582 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 27524

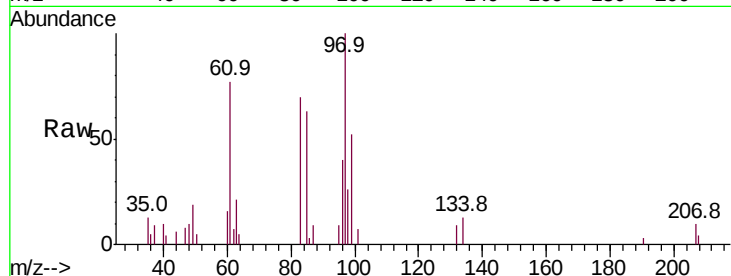
Ion Ratio Lower Upper

97 100

83 69.7 71.0 106.4#

85 62.7 46.6 69.8

99 52.3 51.4 77.0

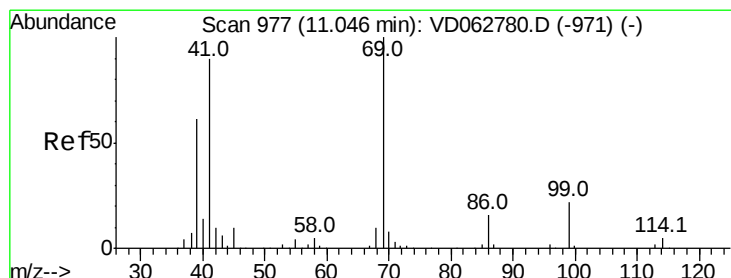
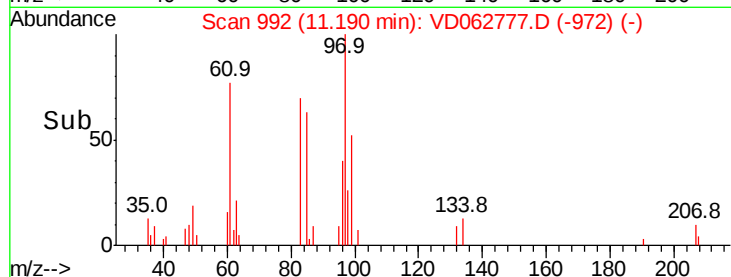
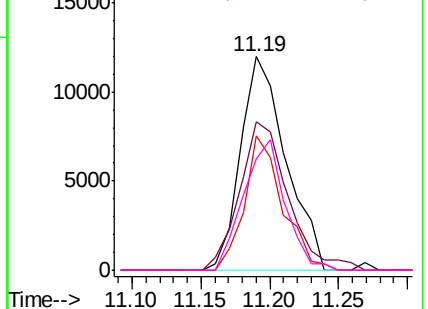


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 5.350 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

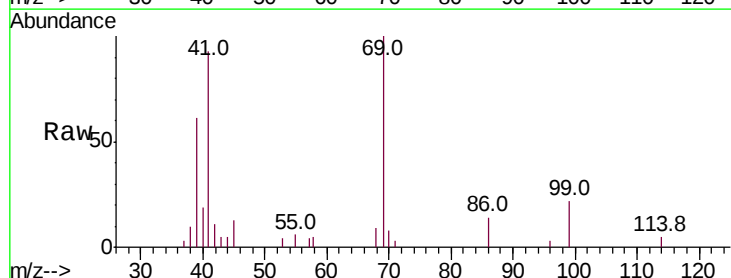
Tgt Ion: 69 Resp: 28193

Ion Ratio Lower Upper

69 100

41 92.5 72.0 108.0

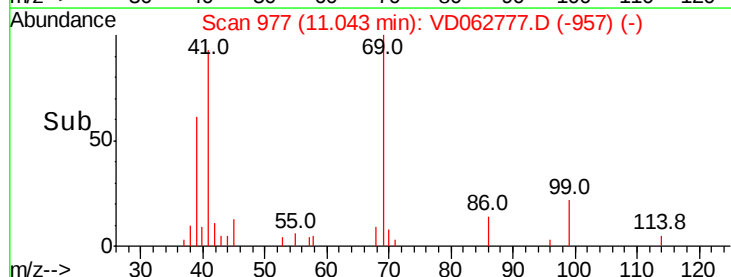
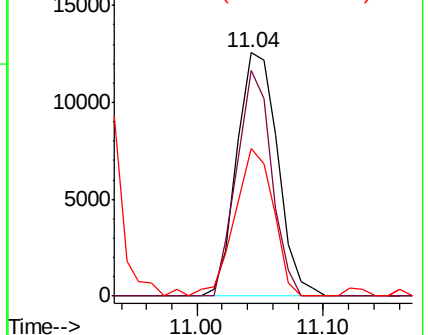
39 60.8 49.5 74.3

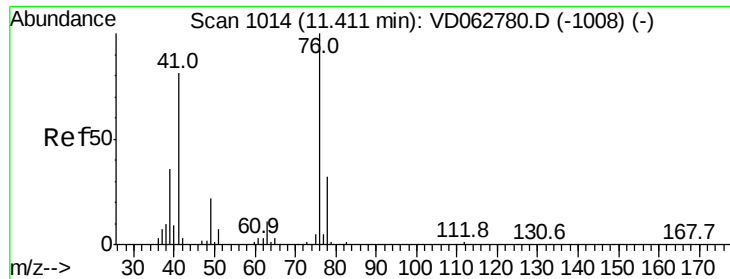


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 5.314 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

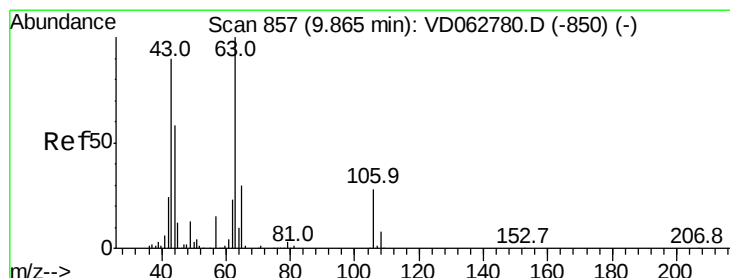
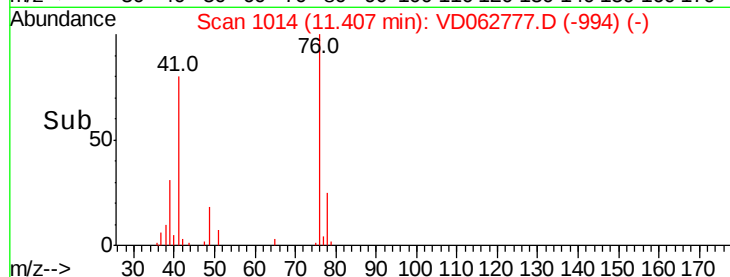
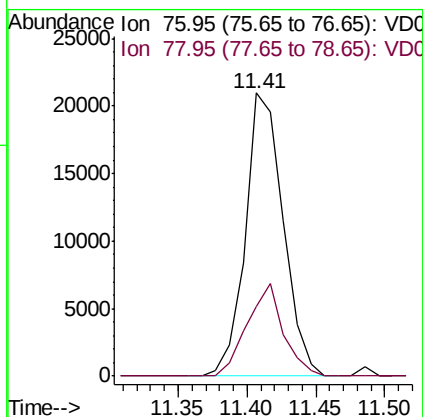
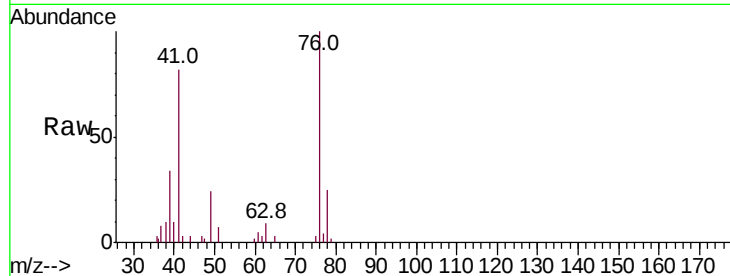
VSTDIC005

Tot Ion: 76 Resp: 40121

Ion Ratio Lower Upper

76 100

78 24.5 25.4 38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 26.549 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD062777.D

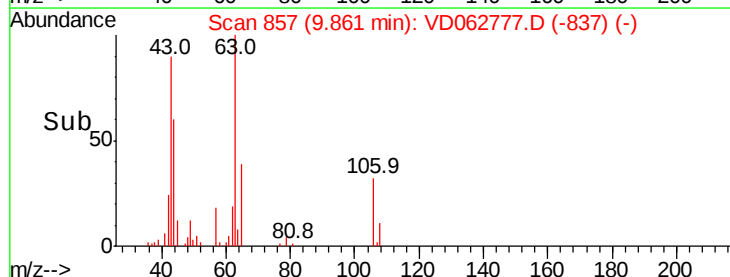
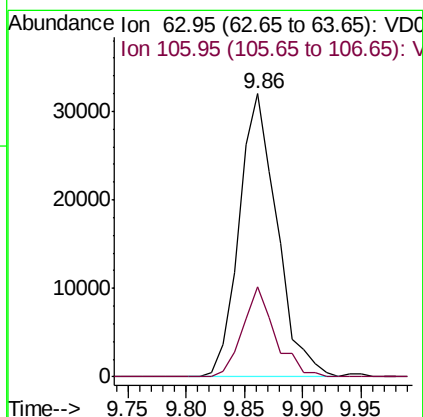
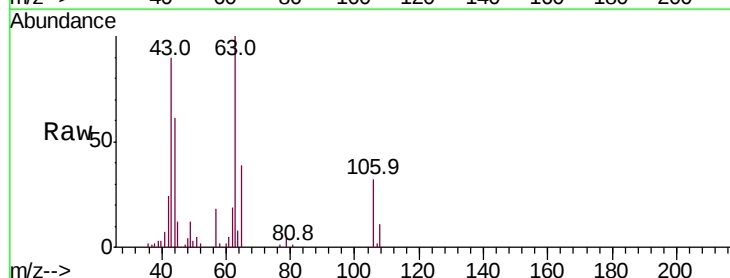
Acq: 19 Jun 2019 14:18

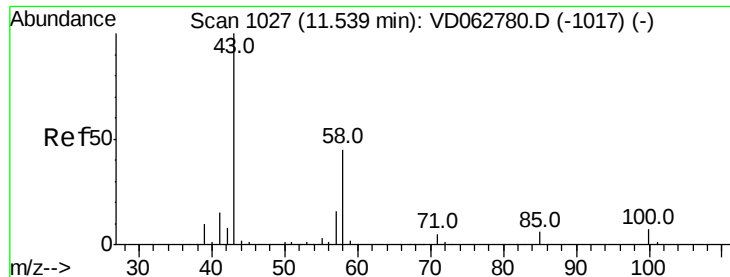
Tgt Ion: 63 Resp: 71826

Ion Ratio Lower Upper

63 100

106 31.8 22.1 33.1





#59

2-Hexanone

Concen: 26.550 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

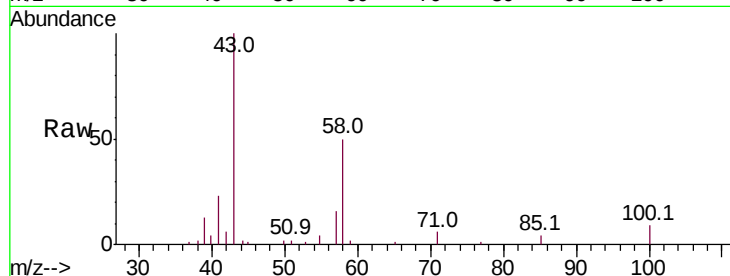
VSTDIC005

Tot Ion: 43 Resp: 74762

Ion Ratio Lower Upper

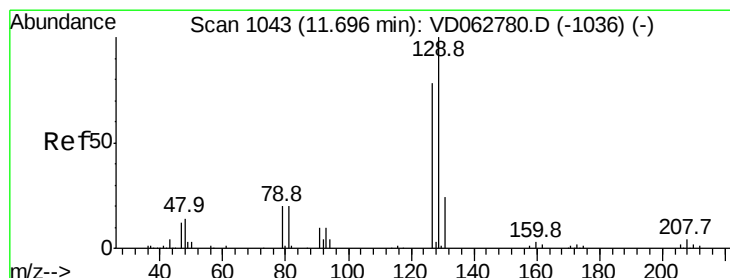
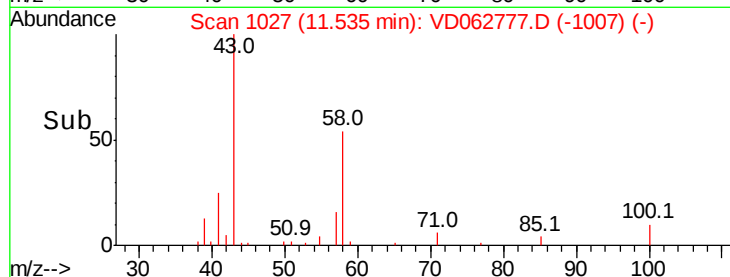
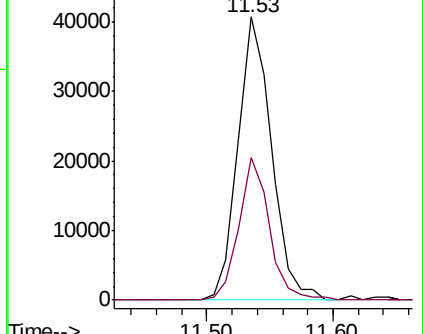
43 100

58 50.5 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: 4.766 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VD062777.D

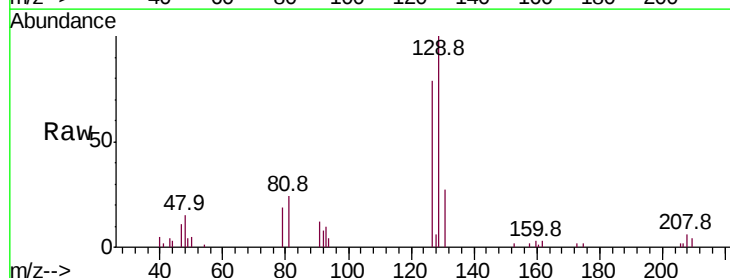
Acq: 19 Jun 2019 14:18

Tgt Ion:129 Resp: 43773

Ion Ratio Lower Upper

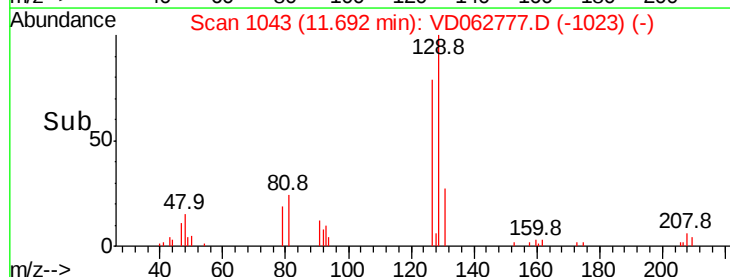
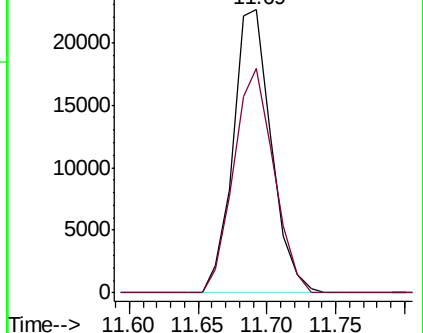
129 100

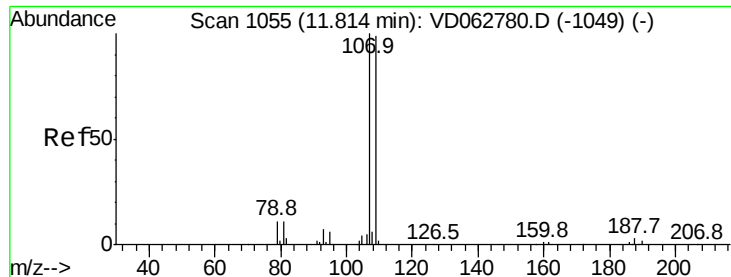
127 79.4 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 4.882 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

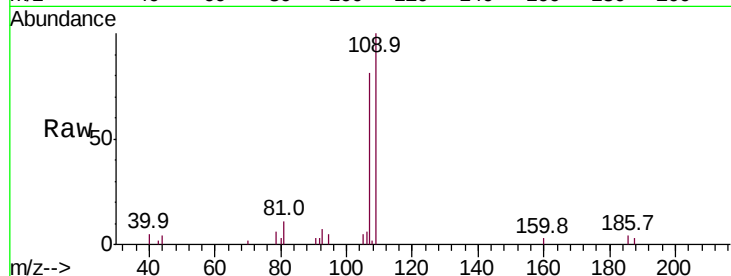
VSTDIC005

Tot Ion:107 Resp: 28430

Ion Ratio Lower Upper

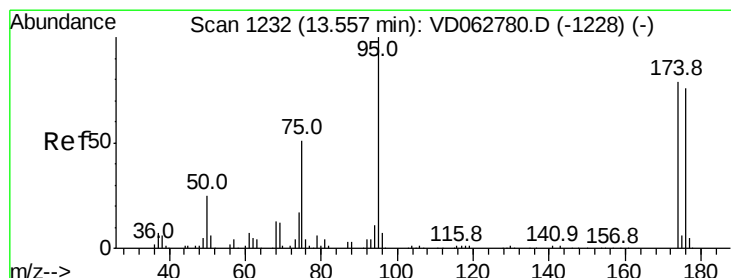
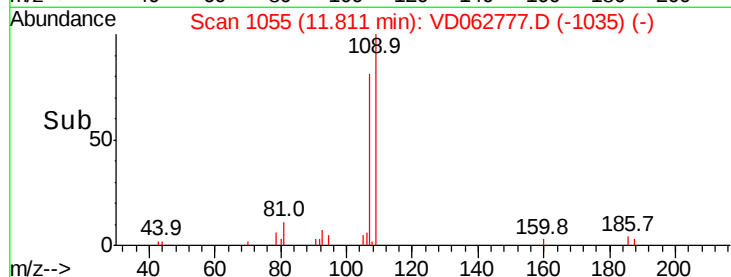
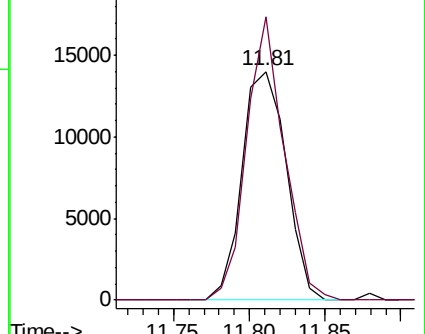
107 100

109 123.9 79.3 118.9#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 4.805 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

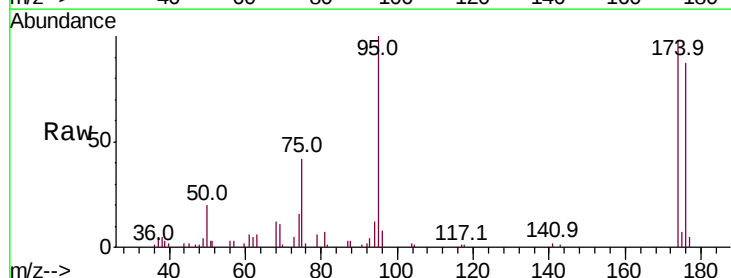
Tgt Ion: 95 Resp: 45054

Ion Ratio Lower Upper

95 100

174 98.3 0.0 158.0

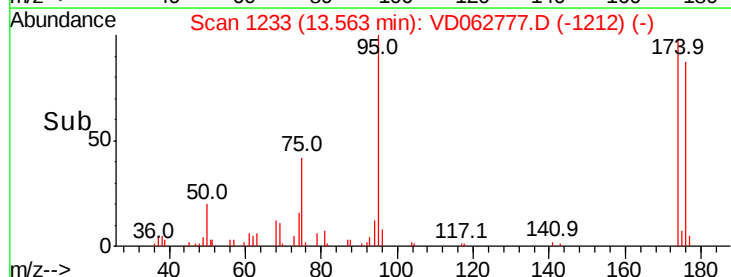
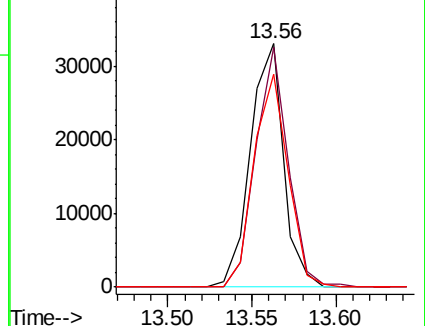
176 87.3 0.0 151.6

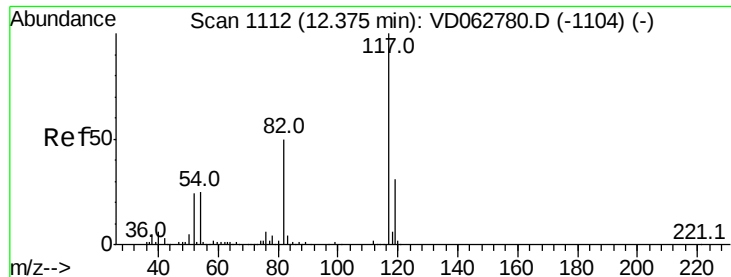


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

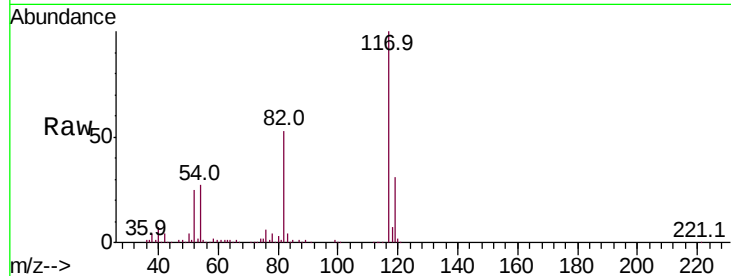




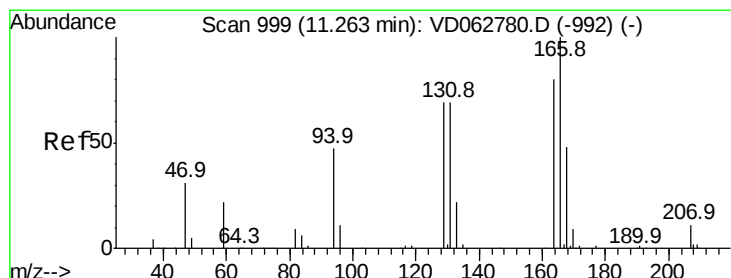
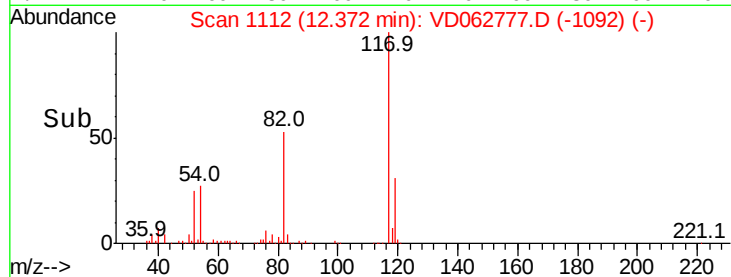
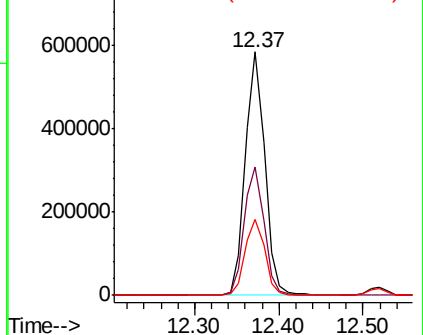
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 945737
Ion Ratio Lower Upper
117 100
82 52.8 40.4 60.6
119 31.3 25.2 37.8

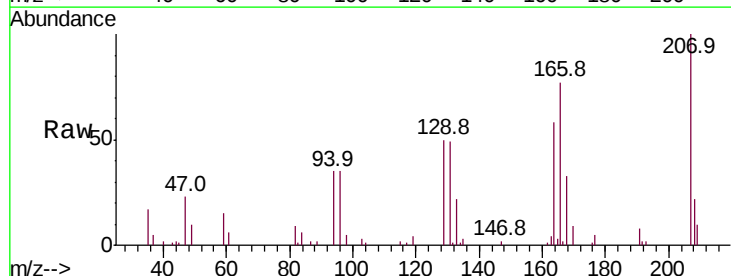


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

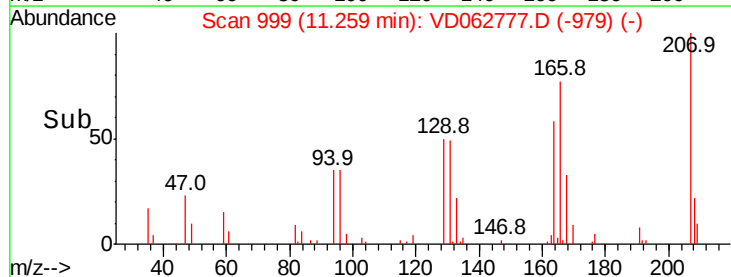
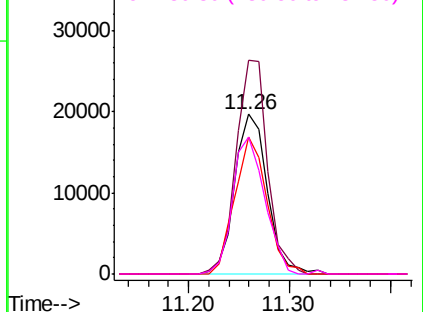


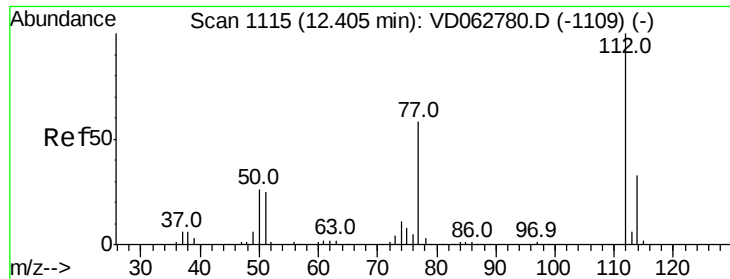
#64
Tetrachloroethene
Concen: 5.706 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Tgt Ion:164 Resp: 44415
Ion Ratio Lower Upper
164 100
166 133.9 100.6 150.8
129 86.3 69.4 104.0
131 85.6 69.3 103.9



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





#65

Chlorobenzene

Concen: 5.386 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

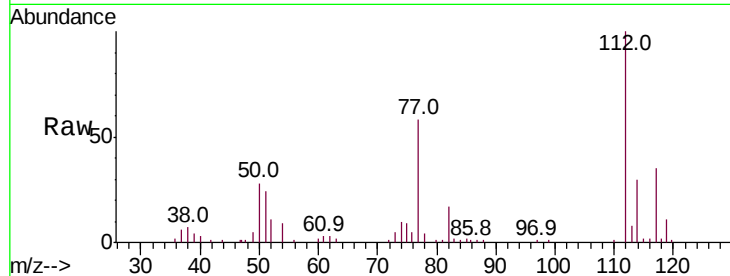
VSTDIC005

Tot Ion:112 Resp: 94542

Ion Ratio Lower Upper

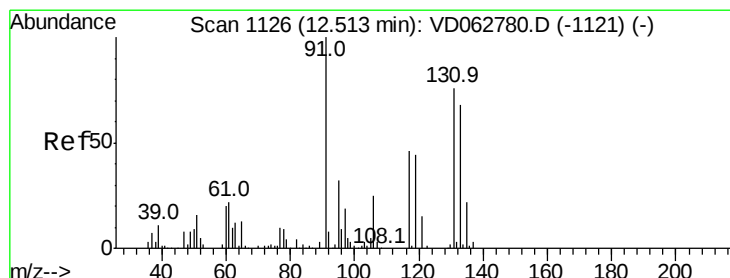
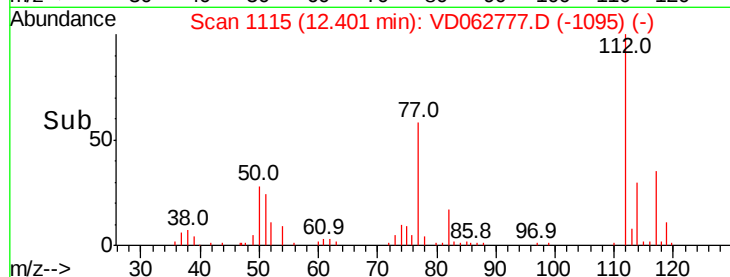
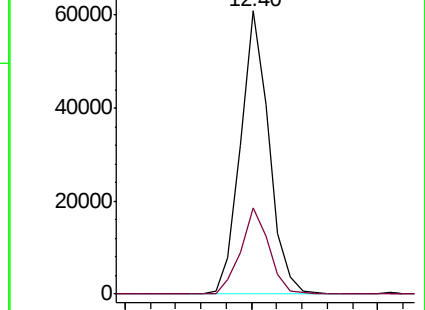
112 100

114 30.3 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.158 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

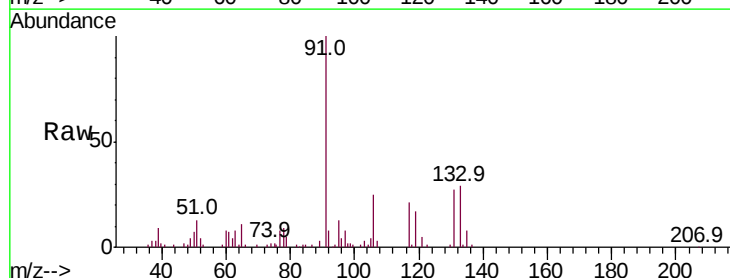
Tgt Ion:131 Resp: 42340

Ion Ratio Lower Upper

131 100

133 110.1 44.5 133.3

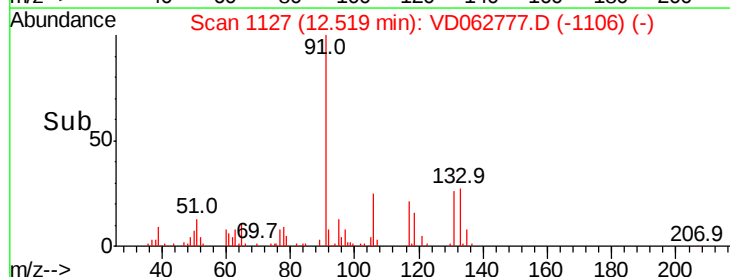
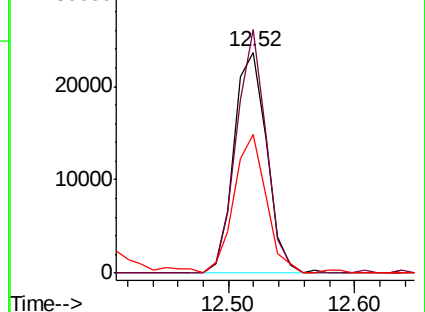
119 62.8 28.6 85.9

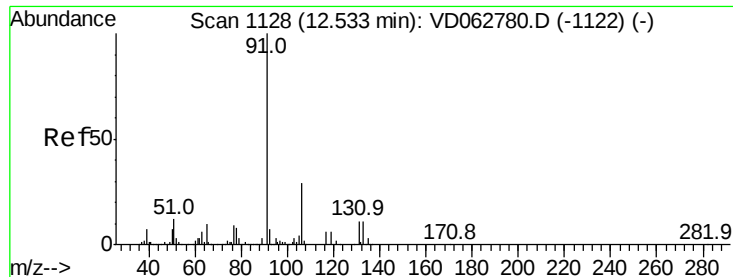


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

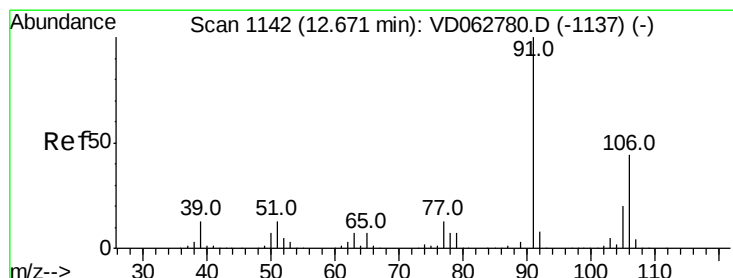
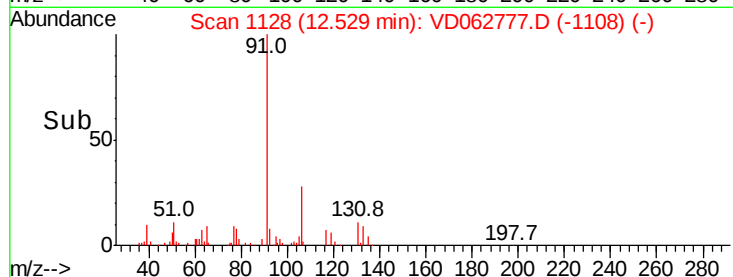
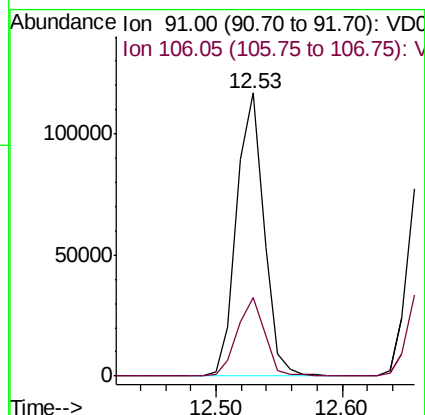
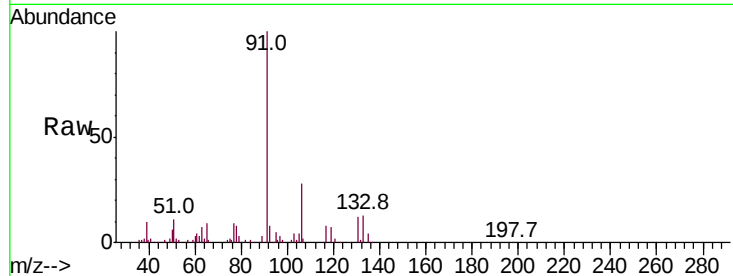




#67
Ethyl Benzene
Concen: 5.533 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

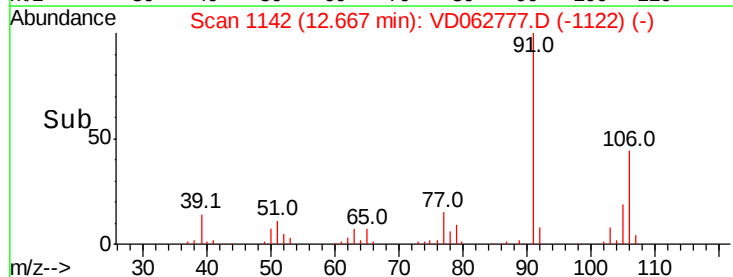
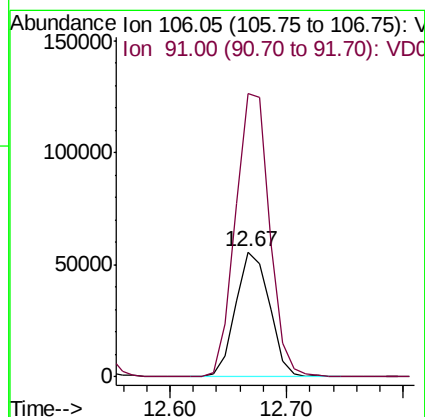
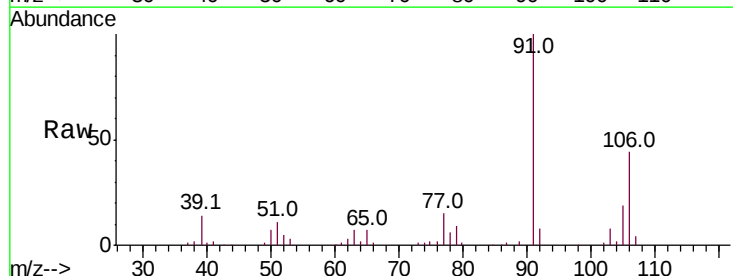
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

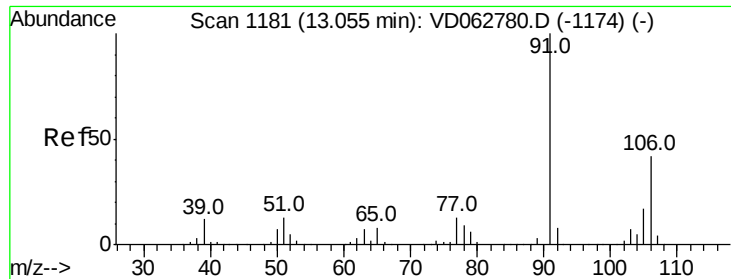
Tot Ion: 91 Resp: 174359
Ion Ratio Lower Upper
91 100
106 27.7 23.1 34.7



#68
m/p-Xylenes
Concen: 10.165 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Tgt Ion: 106 Resp: 111568
Ion Ratio Lower Upper
106 100
91 226.0 183.0 274.6

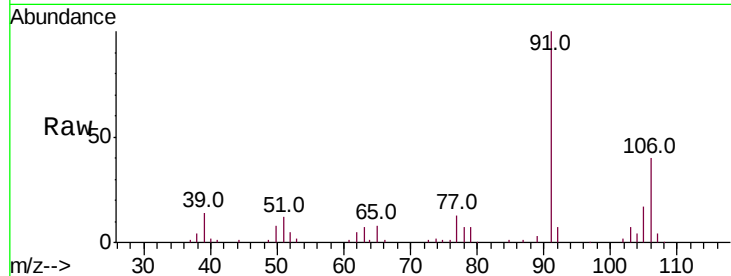




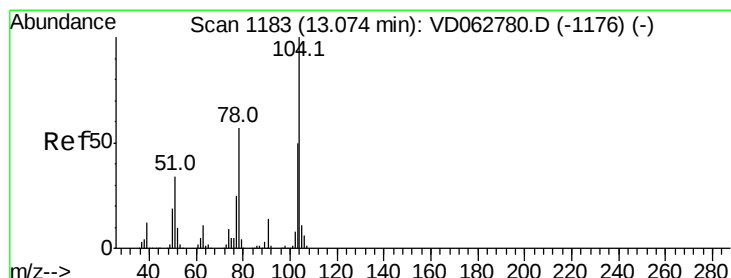
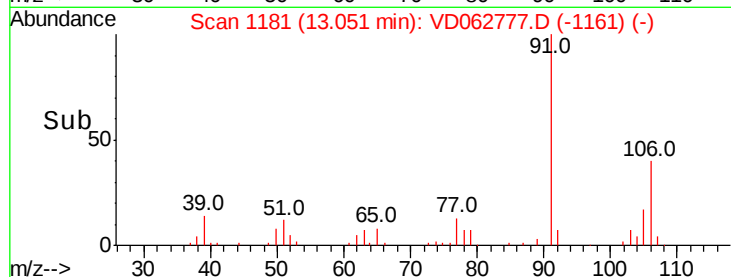
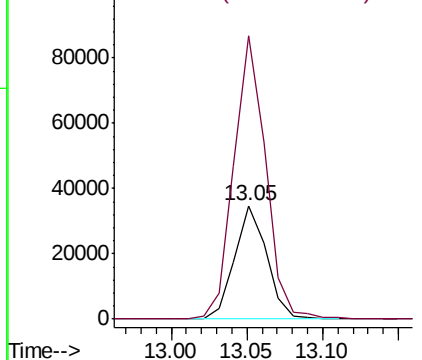
#69
o-Xylene
Concen: 5.061 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 50780
Ion Ratio Lower Upper
106 100
91 250.2 117.9 353.6

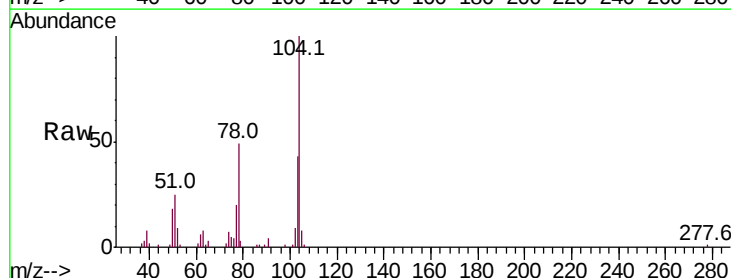


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

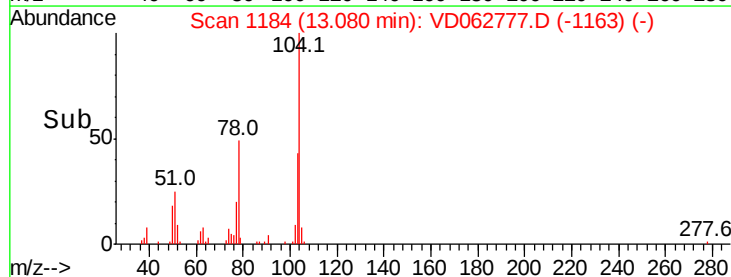
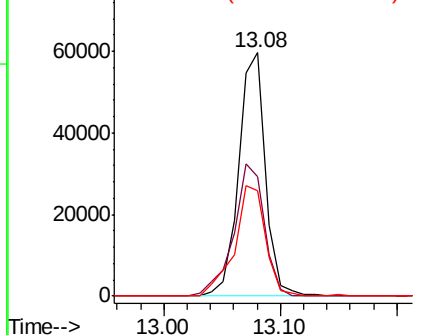


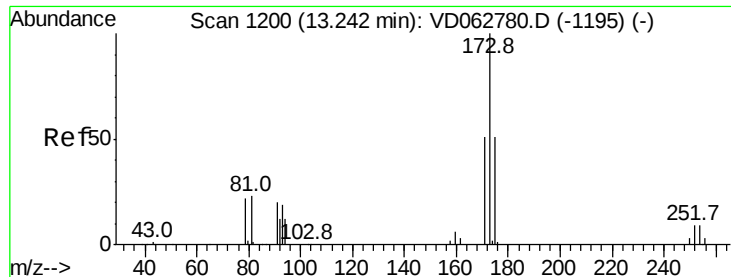
#70
Styrene
Concen: 5.368 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Tgt Ion:104 Resp: 94597
Ion Ratio Lower Upper
104 100
78 48.9 45.4 68.2
103 43.3 39.7 59.5



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





#71

Bromoform

Concen: 4.840 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

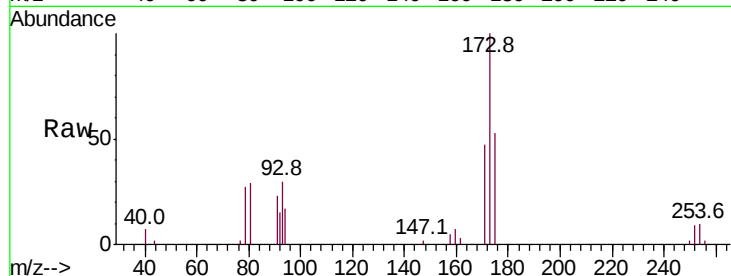
Tot Ion:173 Resp: 27221

Ion Ratio Lower Upper

173 100

175 52.7 25.3 75.9

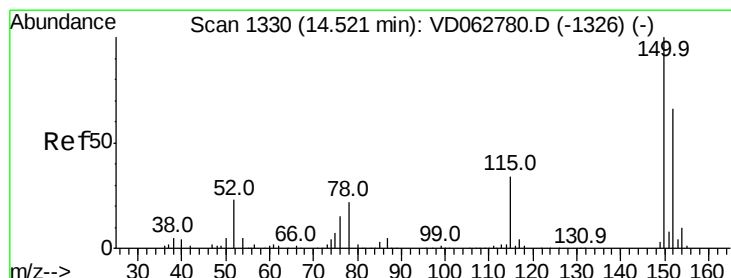
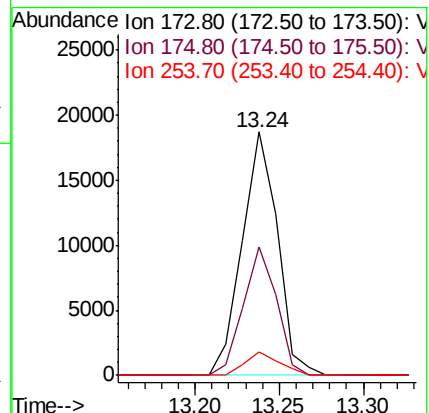
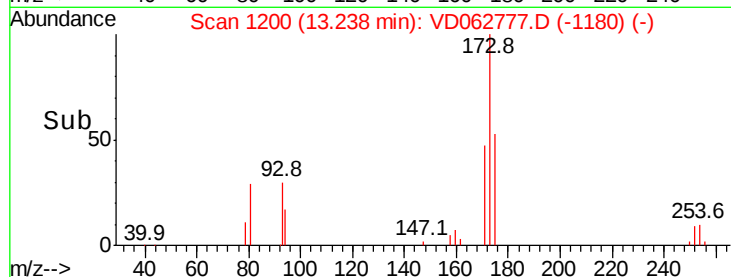
254 9.8 7.1 10.7



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

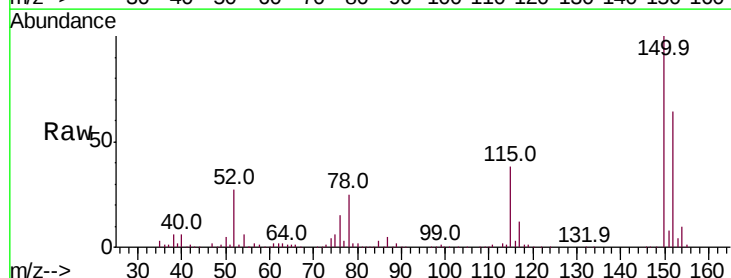
Tgt Ion:152 Resp: 489956

Ion Ratio Lower Upper

152 100

115 58.3 29.2 87.6

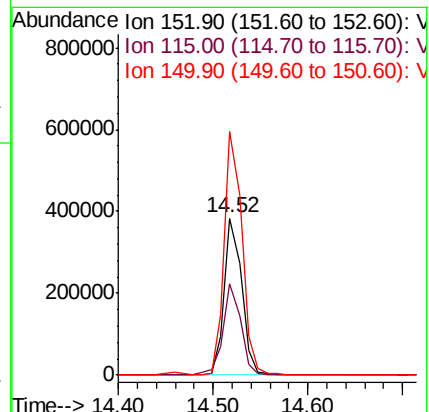
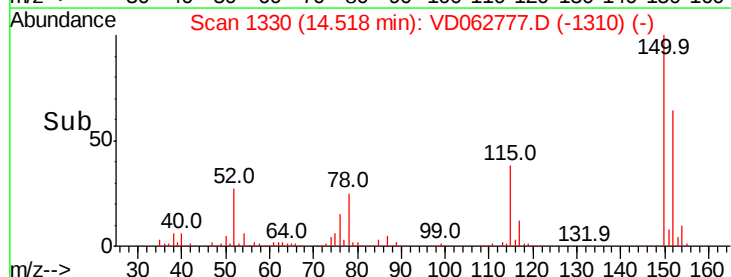
150 155.4 0.0 305.8

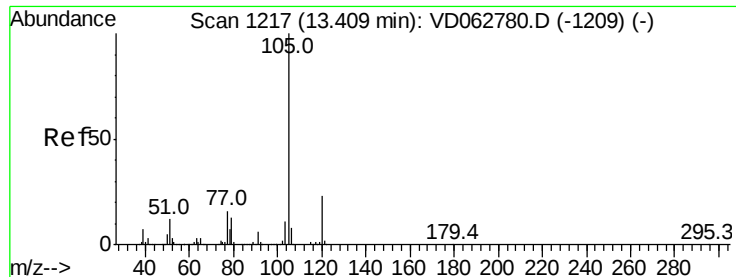


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.702 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

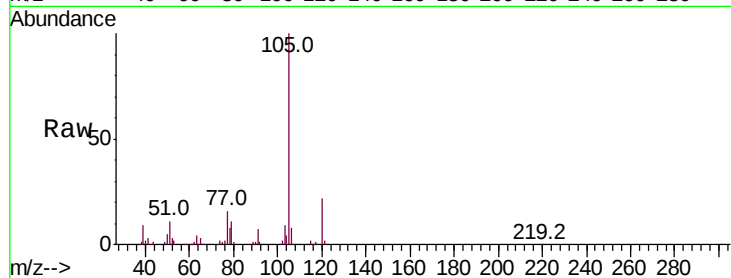
VSTDIC005

Tot Ion:105 Resp: 179127

Ion Ratio Lower Upper

105 100

120 22.5 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

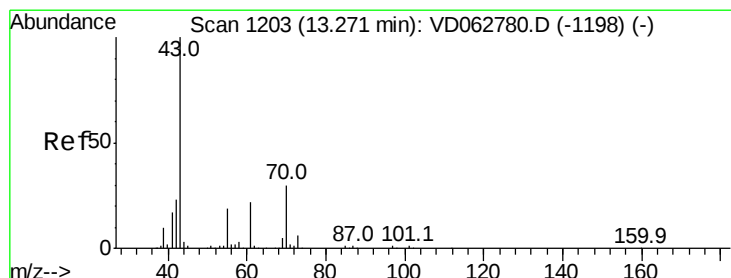
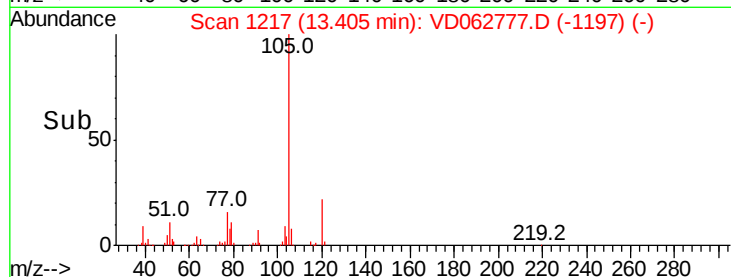
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 5.342 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Tgt Ion: 43 Resp: 40757

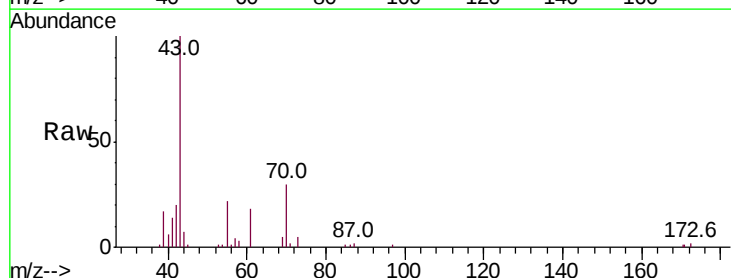
Ion Ratio Lower Upper

43 100

70 29.9 24.4 36.6

55 21.7 15.2 22.8

61 18.1 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

13.27

40000

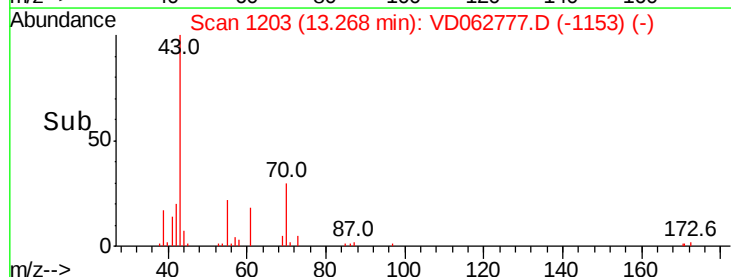
30000

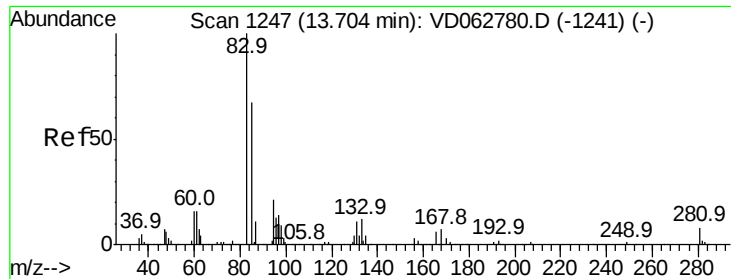
20000

10000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 5.731 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

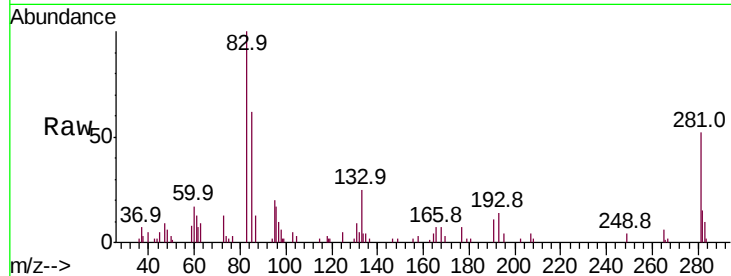
Tot Ion: 83 Resp: 29336

Ion Ratio Lower Upper

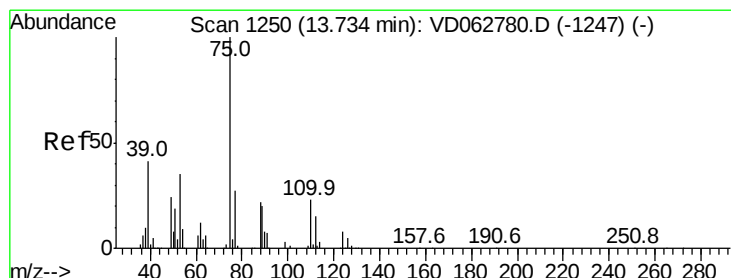
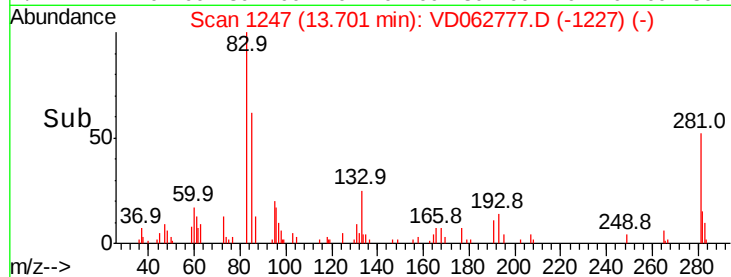
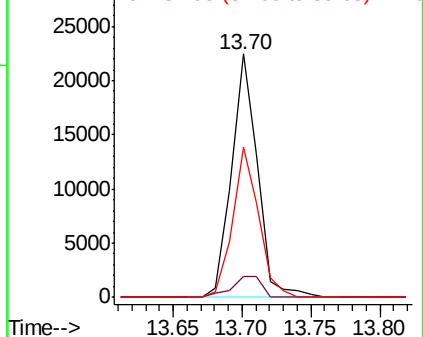
83 100

131 8.8 5.3 16.1

85 61.7 33.7 101.1



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



#76

1,2,3-Trichloropropane

Concen: 5.840 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062777.D

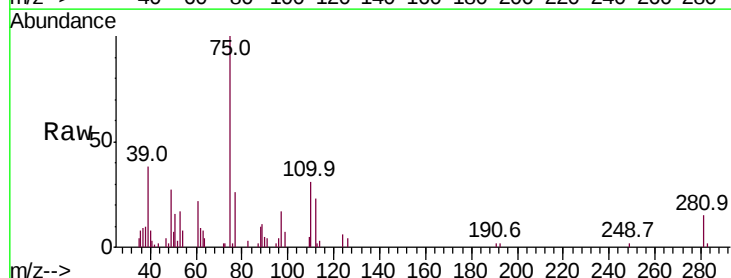
Acq: 19 Jun 2019 14:18

Tgt Ion: 75 Resp: 33031

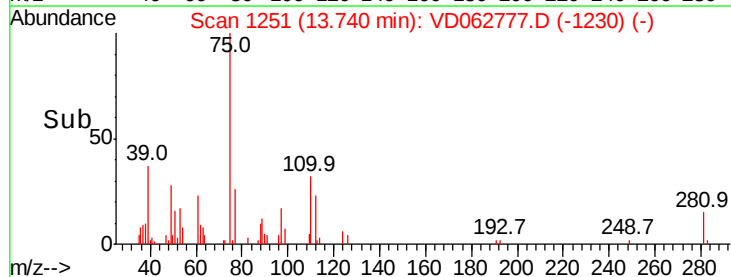
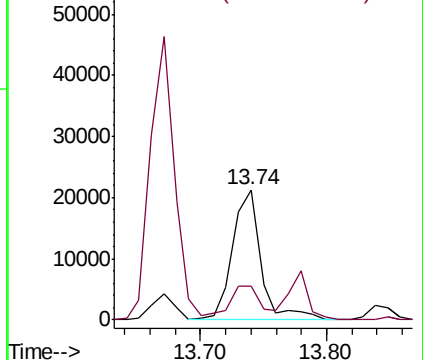
Ion Ratio Lower Upper

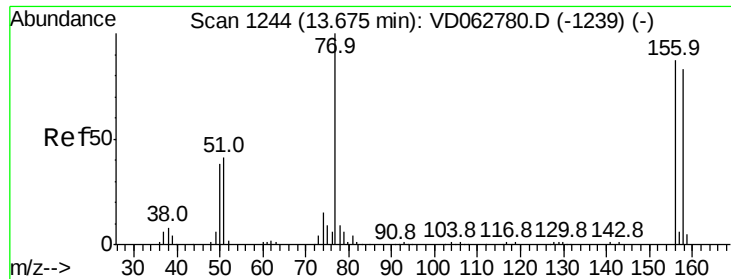
75 100

77 25.7 15.0 45.1



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





#77

Bromobenzene

Concen: 5.800 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

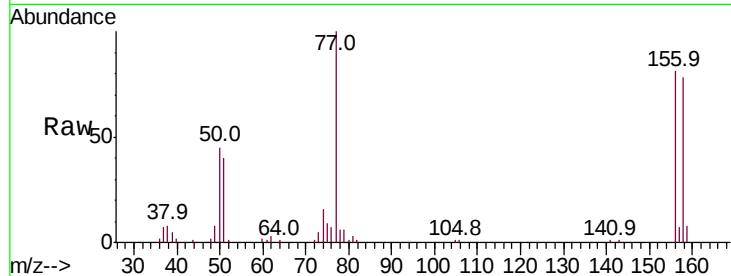
Tot Ion:156 Resp: 49008

Ion Ratio Lower Upper

156 100

77 123.1 57.7 173.1

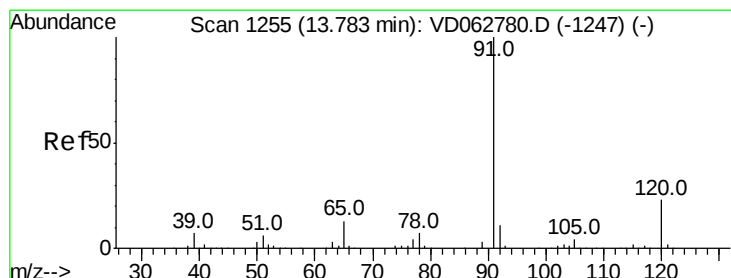
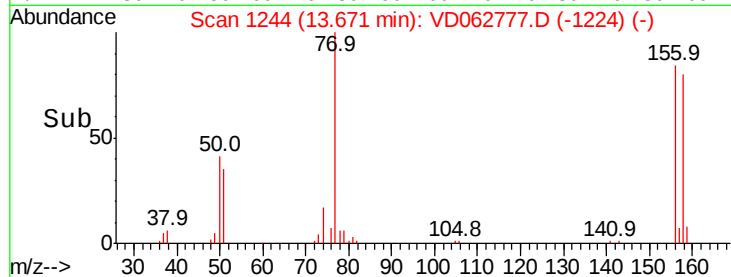
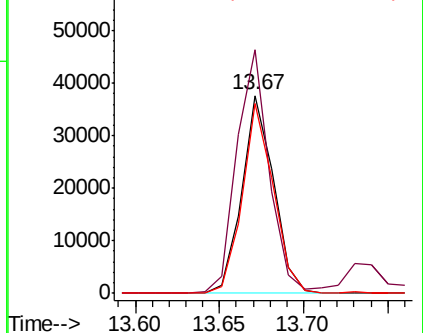
158 96.0 47.7 143.1



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: 5.729 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062777.D

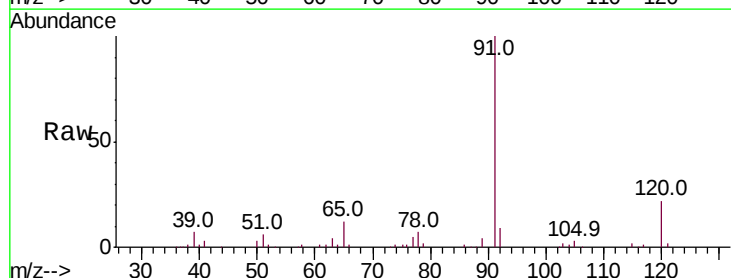
Acq: 19 Jun 2019 14:18

Tgt Ion: 91 Resp: 209491

Ion Ratio Lower Upper

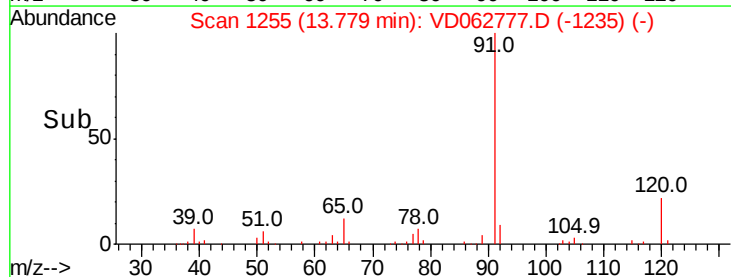
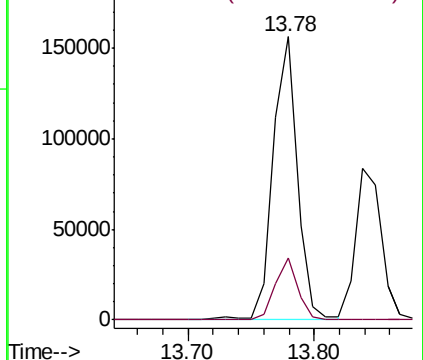
91 100

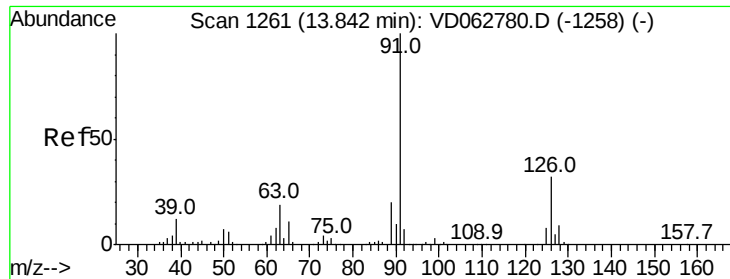
120 22.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

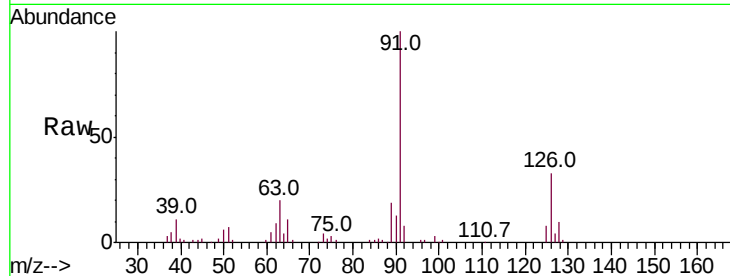




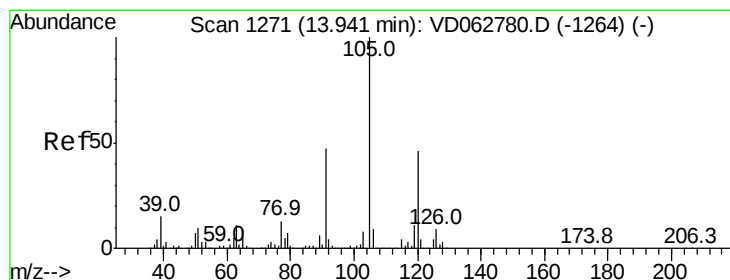
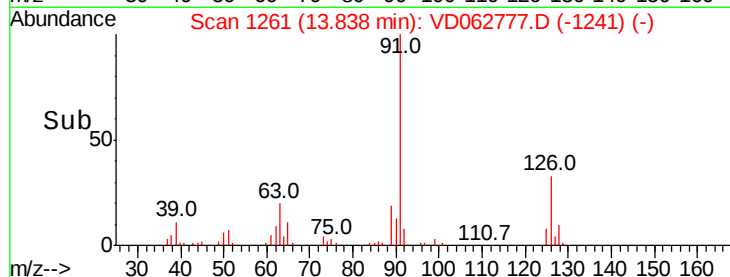
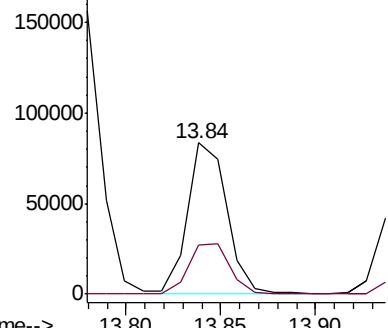
#79
2-Chlorotoluene
Concen: 5.735 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 119720
Ion Ratio Lower Upper
91 100
126 32.8 15.7 47.1

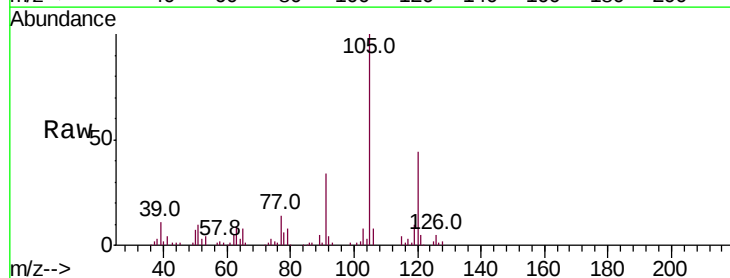


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

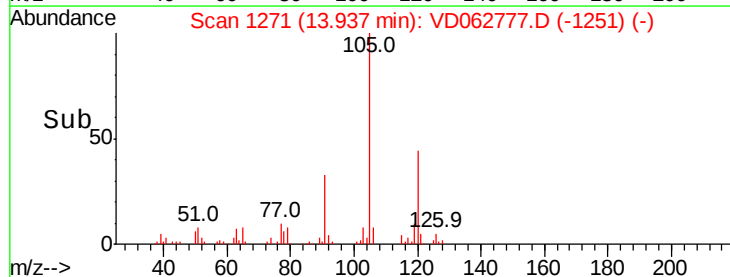
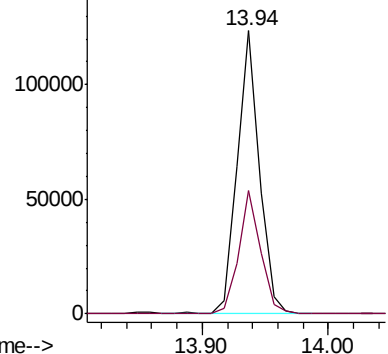


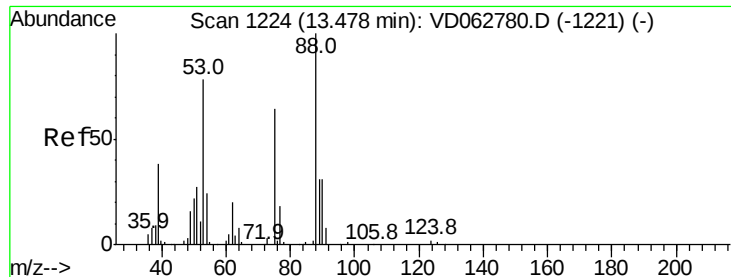
#80
1,3,5-Trimethylbenzene
Concen: 5.742 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062777.D
Acq: 19 Jun 2019 14:18

Tgt Ion:105 Resp: 151529
Ion Ratio Lower Upper
105 100
120 43.6 23.1 69.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 4.598 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

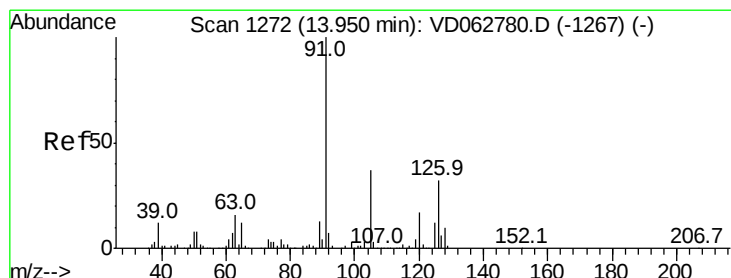
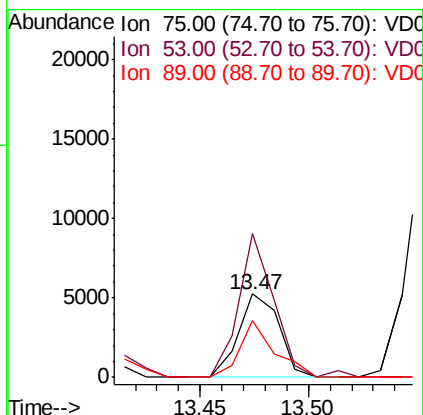
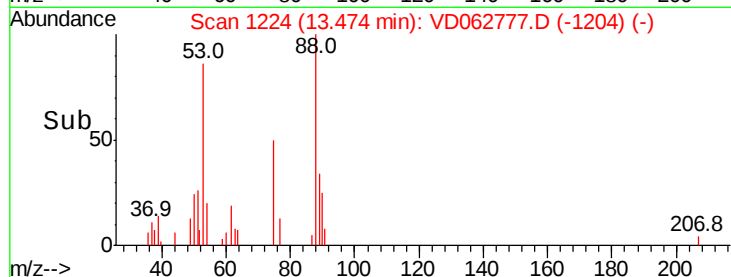
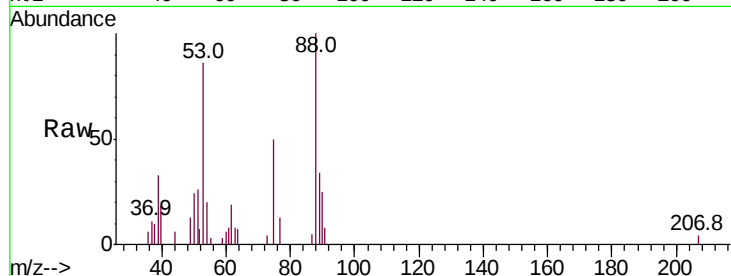
Tot Ion: 75 Resp: 6816

Ion Ratio Lower Upper

75 100

53 172.5 97.8 146.8#

89 68.9 39.4 59.2#



#82

4-Chlorotoluene

Concen: 5.653 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD062777.D

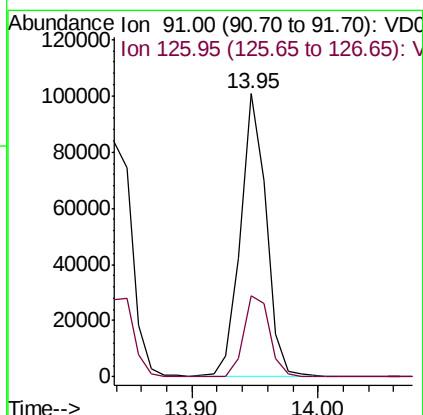
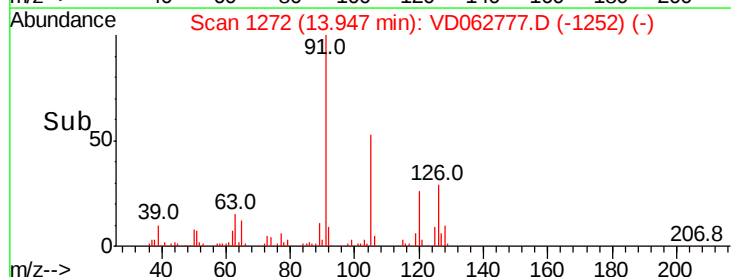
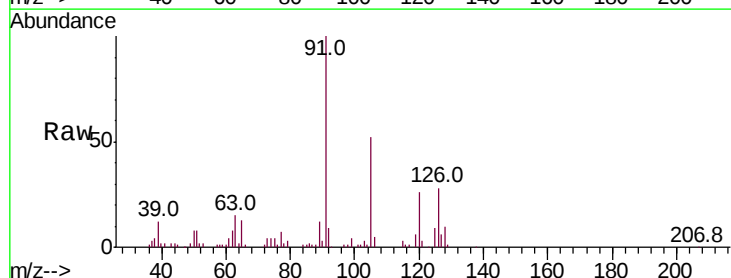
Acq: 19 Jun 2019 14:18

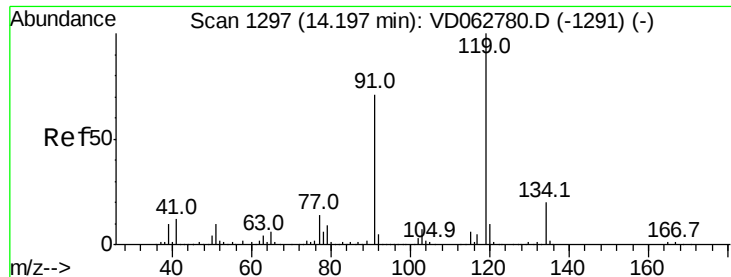
Tgt Ion: 91 Resp: 142199

Ion Ratio Lower Upper

91 100

126 28.5 16.0 47.9

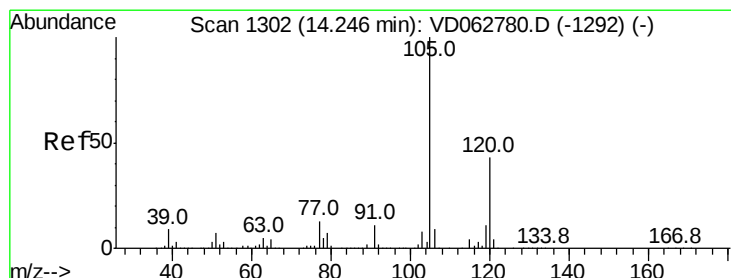
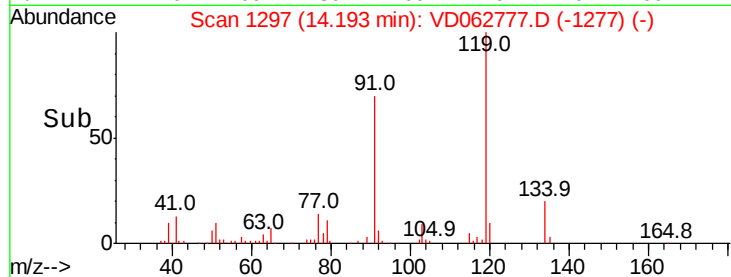
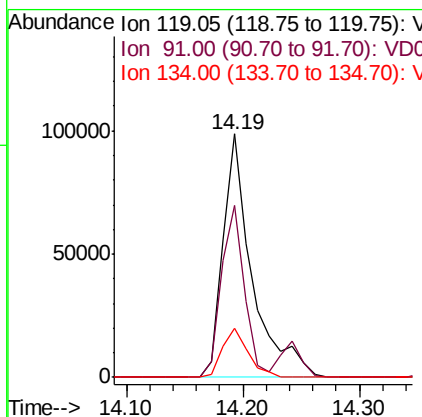
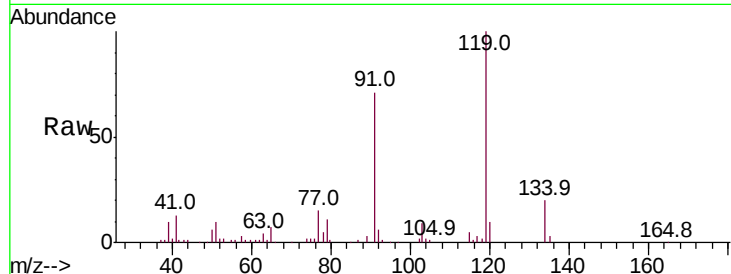




#83
 tert-Butylbenzene
 Concen: 5.806 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

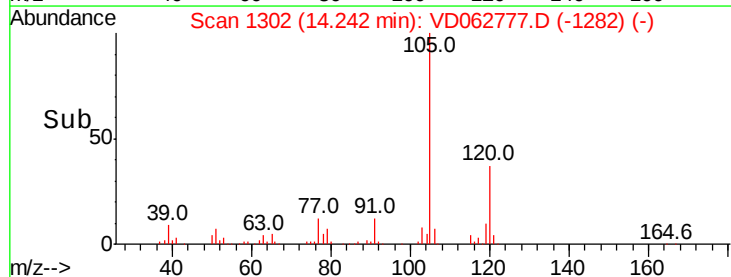
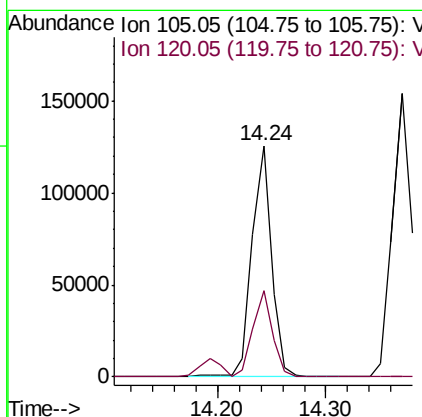
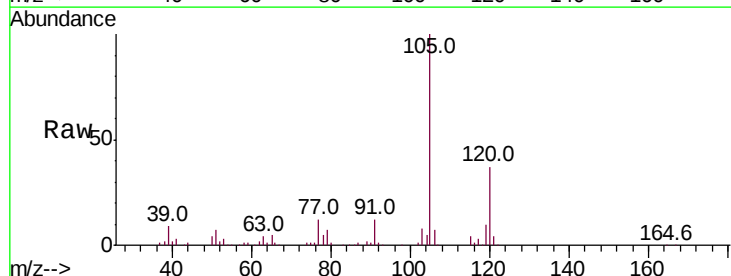
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

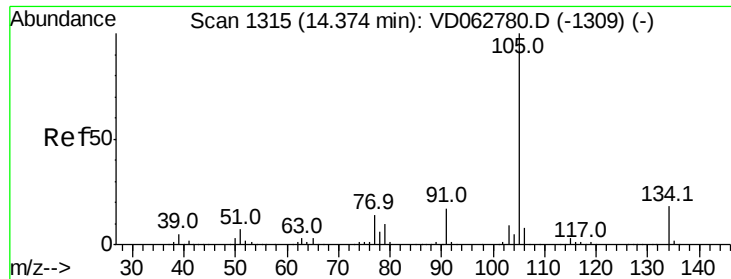
Tot Ion:119 Resp: 170760
 Ion Ratio Lower Upper
 119 100
 91 70.5 35.5 106.5
 134 20.2 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 5.872 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

Tgt Ion:105 Resp: 158823
 Ion Ratio Lower Upper
 105 100
 120 37.1 21.3 63.9





#85

sec-Butylbenzene

Concen: 6.033 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

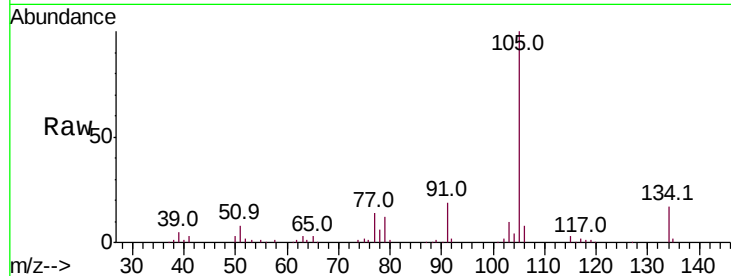
VSTDIC005

Tot Ion:105 Resp: 192865

Ion Ratio Lower Upper

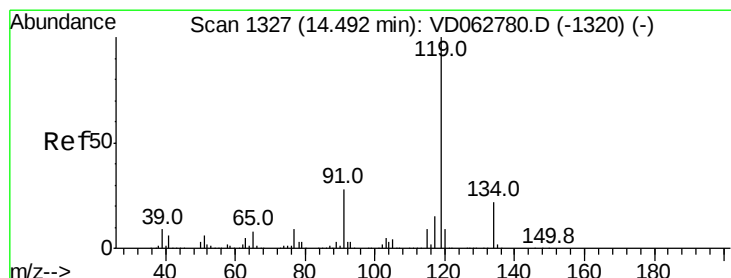
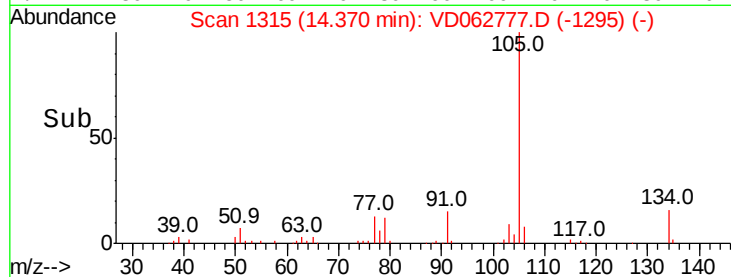
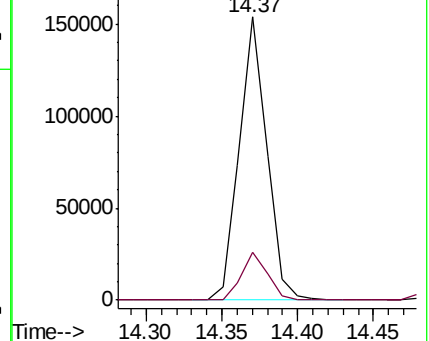
105 100

134 17.0 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 5.711 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

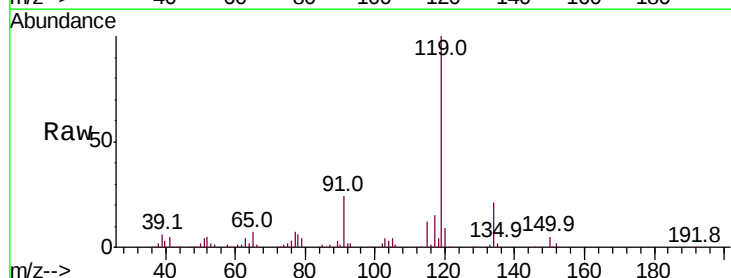
Tgt Ion:119 Resp: 167015

Ion Ratio Lower Upper

119 100

134 20.8 11.1 33.1

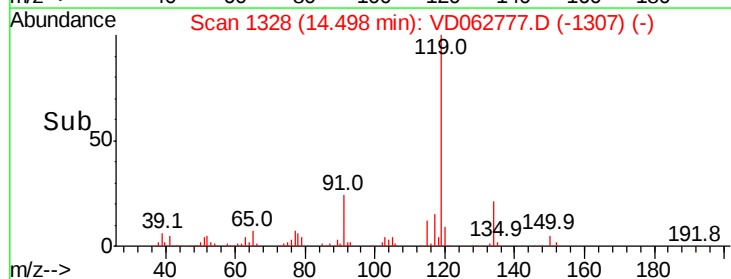
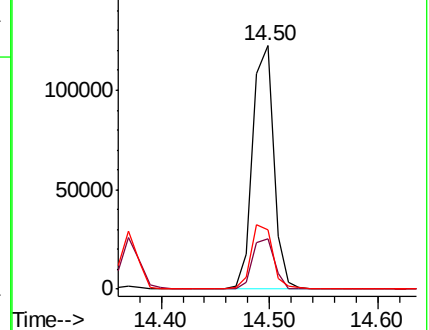
91 24.3 14.0 41.9

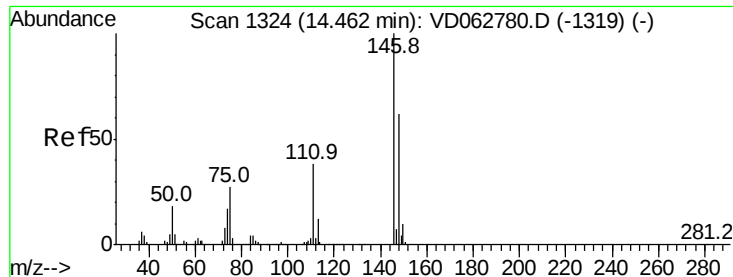


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.779 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

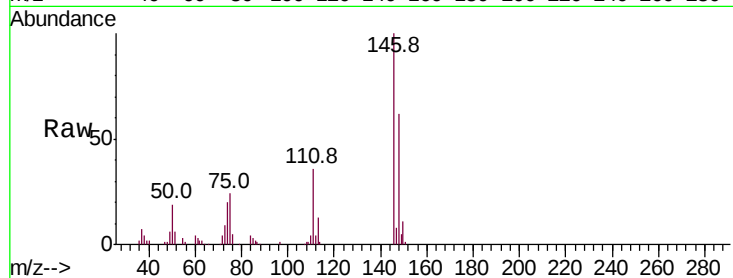
Tot Ion:146 Resp: 87538

Ion Ratio Lower Upper

146 100

111 35.8 19.0 57.0

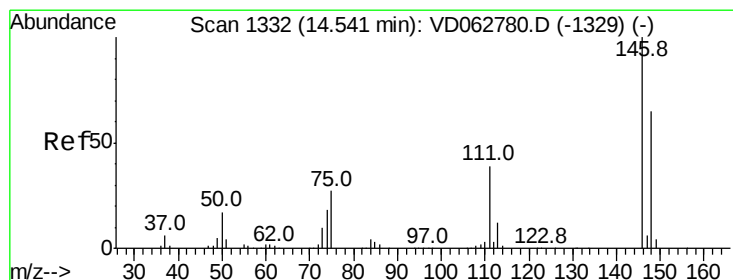
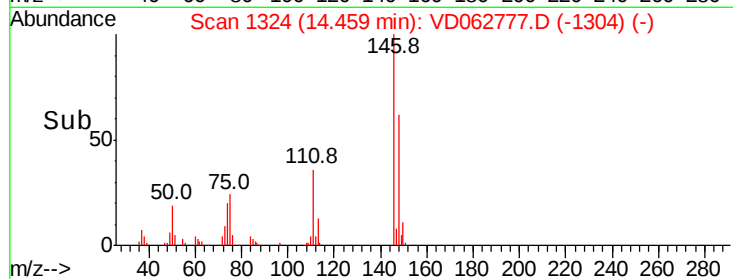
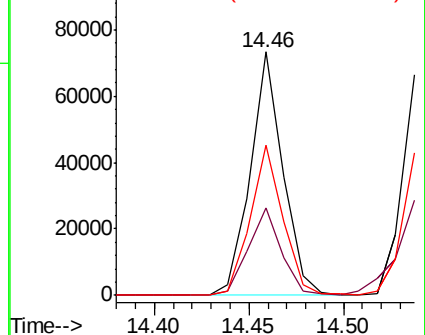
148 61.7 30.8 92.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 5.451 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

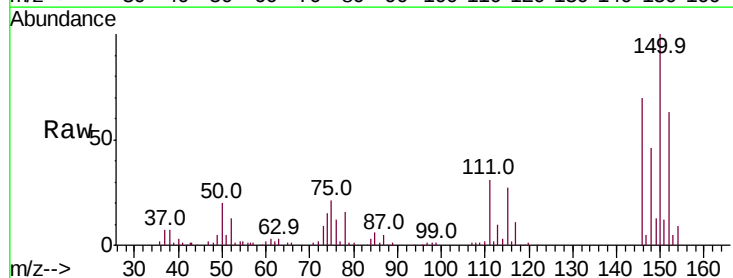
Tgt Ion:146 Resp: 82935

Ion Ratio Lower Upper

146 100

111 43.3 19.7 59.1

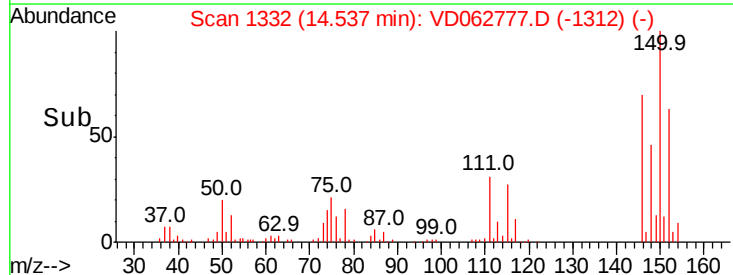
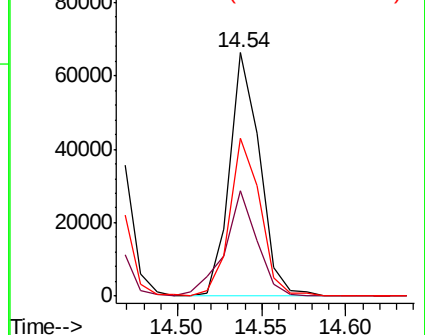
148 64.8 32.8 98.3

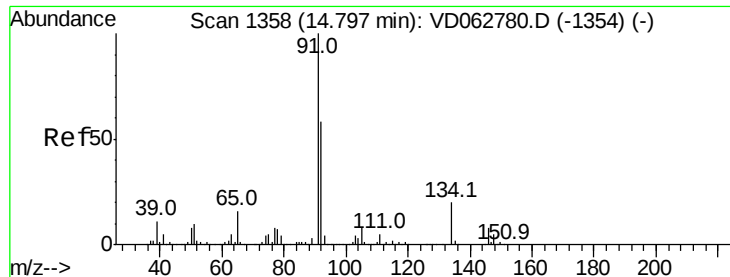


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 5.832 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

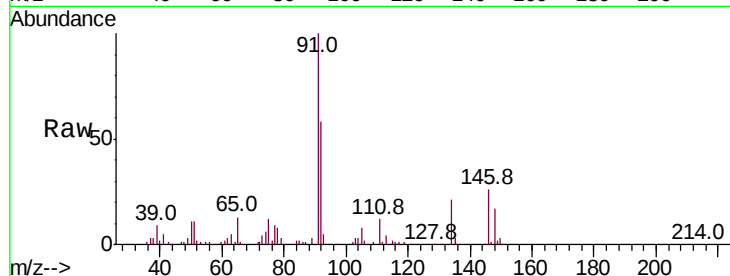
Tot Ion: 91 Resp: 159627

Ion Ratio Lower Upper

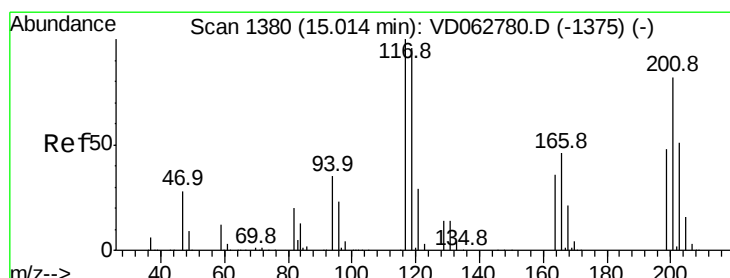
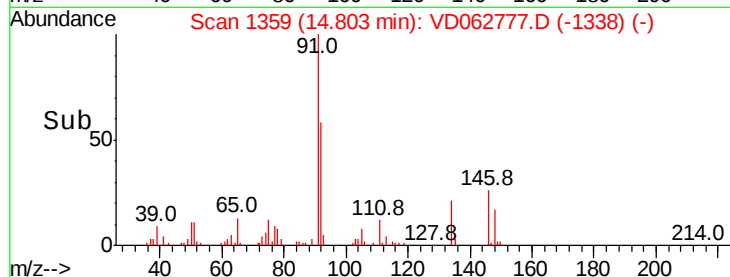
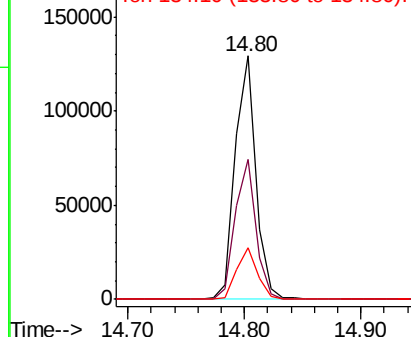
91 100

92 57.6 28.9 86.7

134 21.0 10.1 30.3



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



#90

Hexachloroethane

Concen: 5.440 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD062777.D

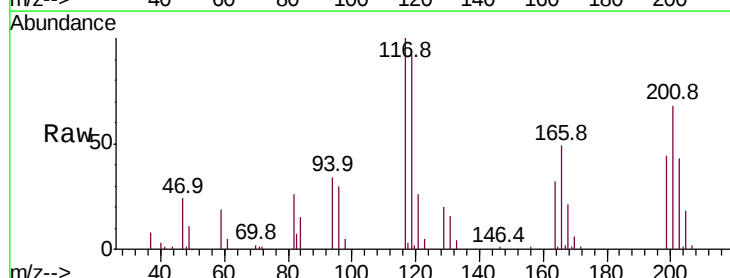
Acq: 19 Jun 2019 14:18

Tgt Ion: 117 Resp: 42779

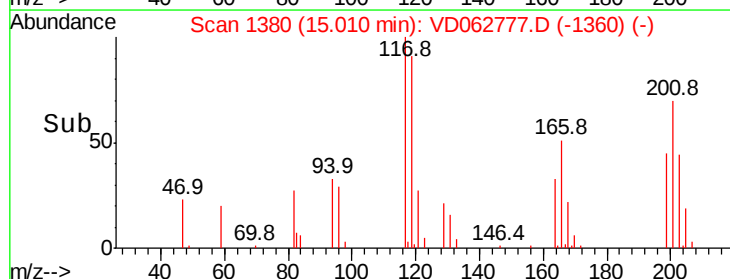
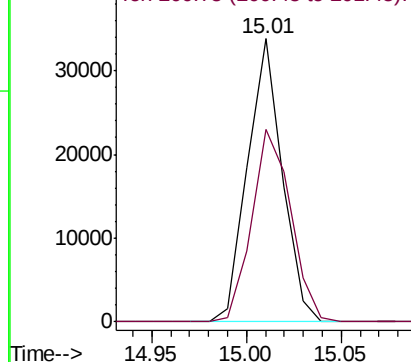
Ion Ratio Lower Upper

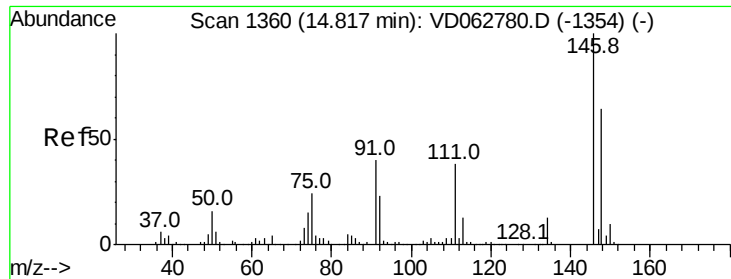
117 100

201 68.0 40.8 122.2



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

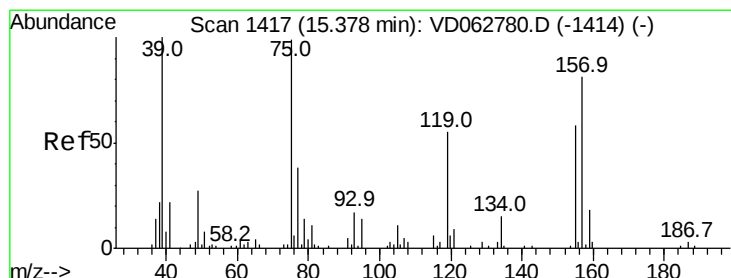
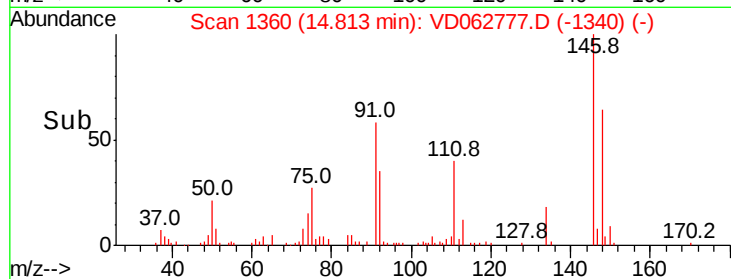
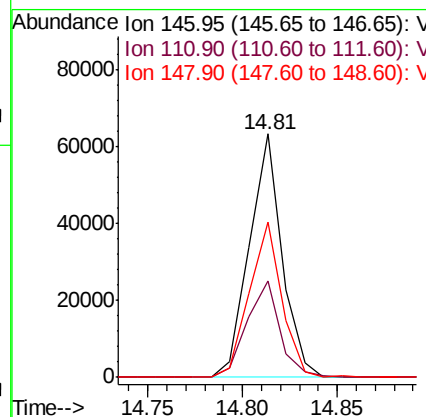
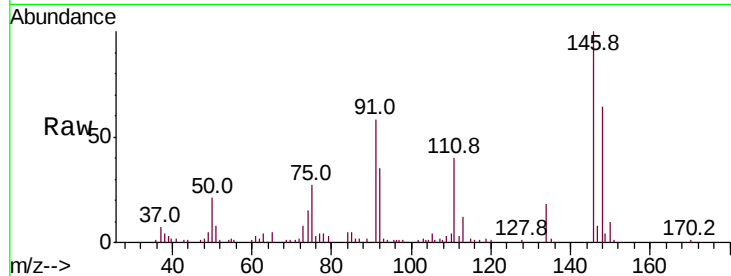




#91
 1,2-Dichlorobenzene
 Concen: 5.832 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

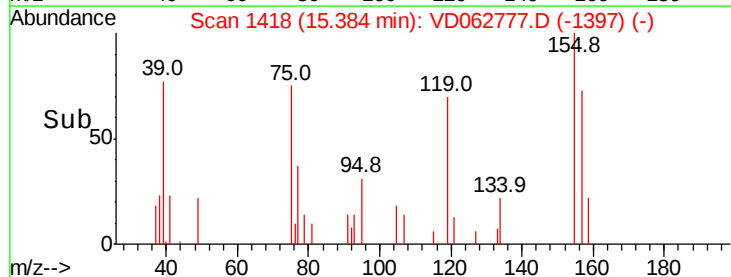
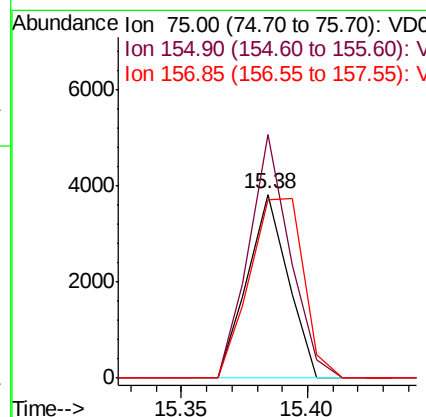
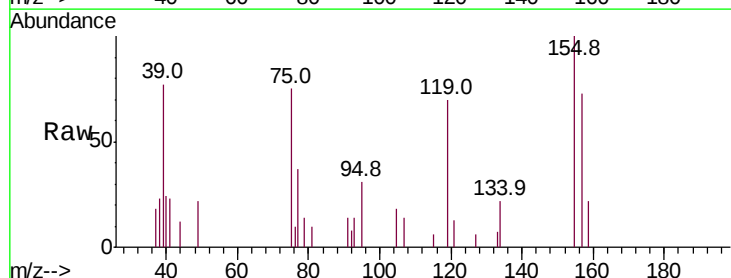
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

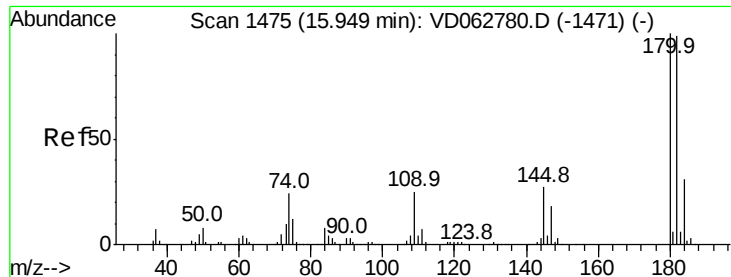
Tot Ion:146 Resp: 75572
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.1 57.1
 148 63.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.281 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

Tgt Ion: 75 Resp: 4277
 Ion Ratio Lower Upper
 75 100
 155 132.7 29.3 87.8#
 157 96.9 41.3 123.7

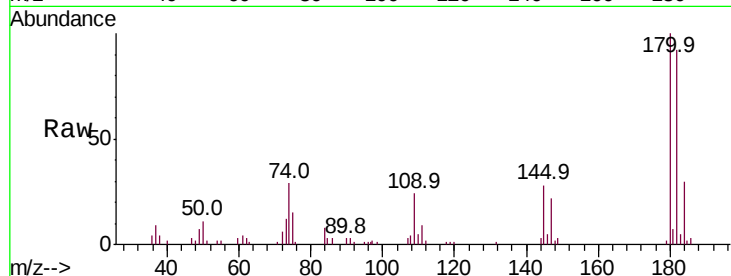




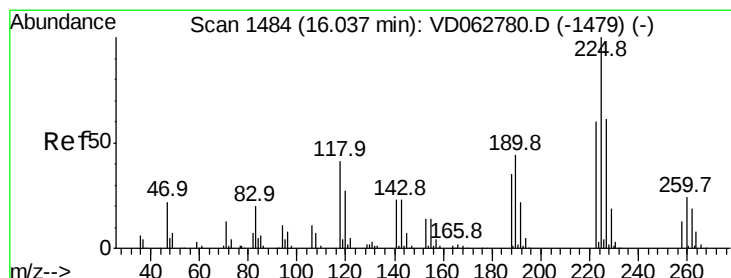
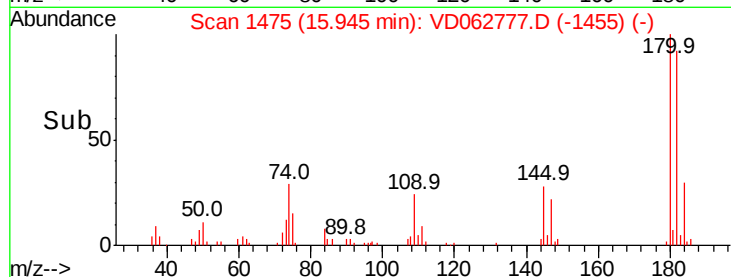
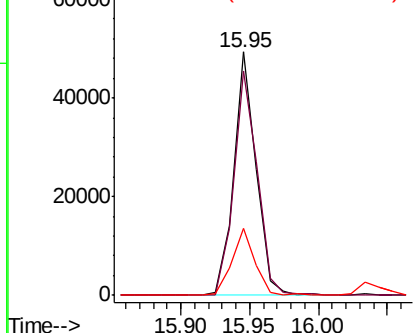
#93
 1,2,4-Trichlorobenzene
 Concen: 5.465 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 55324
 Ion Ratio Lower Upper
 180 100
 182 92.2 49.5 148.5
 145 27.7 13.7 41.0

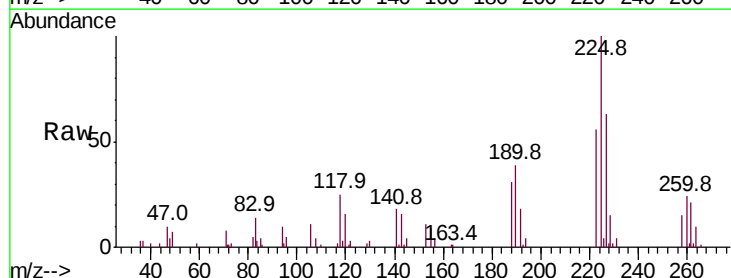


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

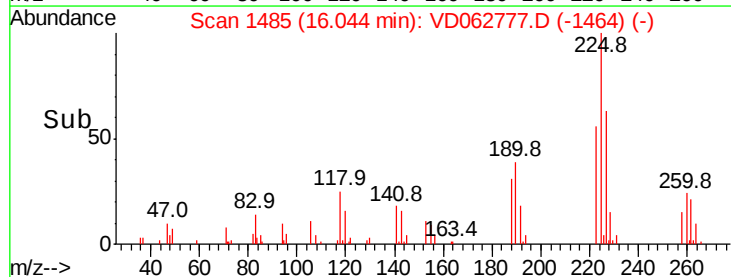
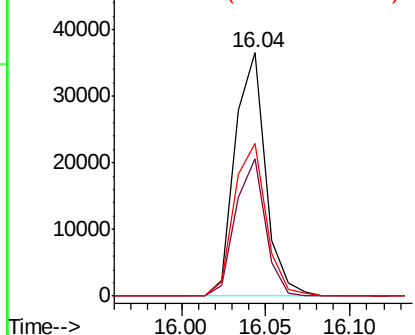


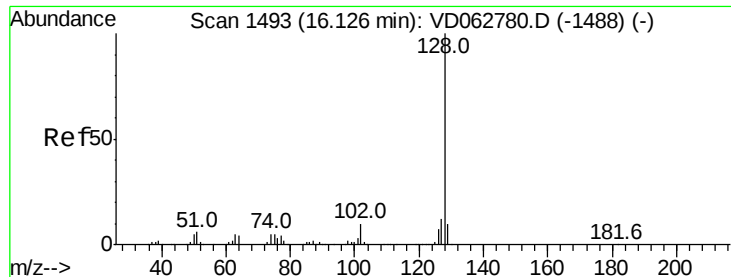
#94
 Hexachlorobutadiene
 Concen: 5.939 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062777.D
 Acq: 19 Jun 2019 14:18

Tgt Ion:225 Resp: 45930
 Ion Ratio Lower Upper
 225 100
 223 56.3 29.8 89.5
 227 62.8 30.6 91.6



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





#95

Naphthalene

Concen: 5.365 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

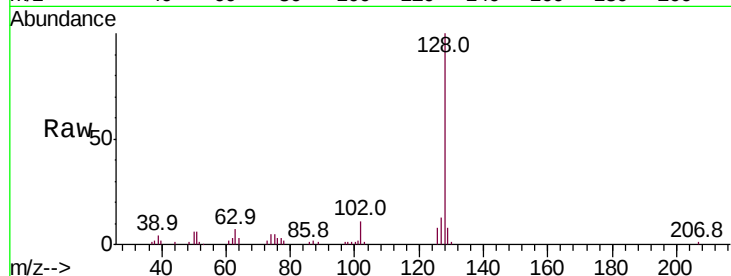
Tot Ion:128 Resp: 76120

Ion Ratio Lower Upper

128 100

127 13.0 9.7 14.5

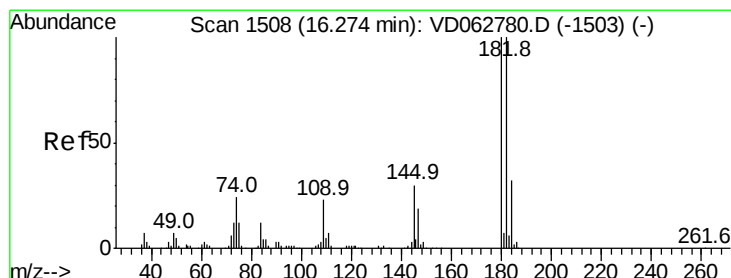
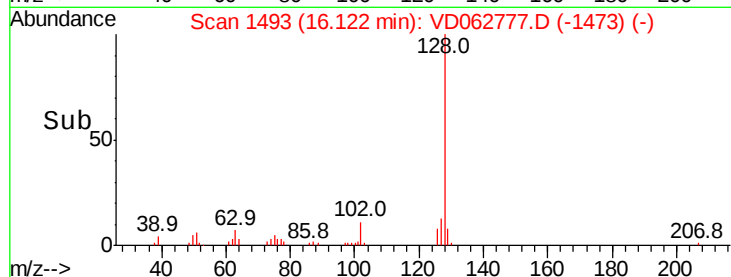
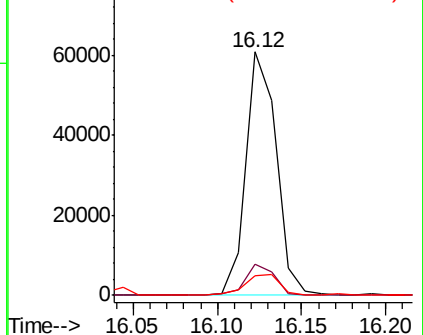
129 8.0 8.3 12.5#



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: 5.449 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062777.D

Acq: 19 Jun 2019 14:18

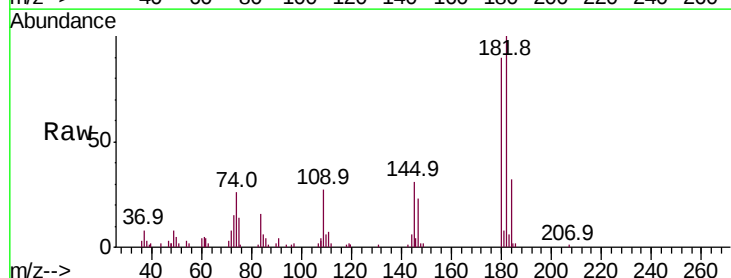
Tgt Ion:180 Resp: 42382

Ion Ratio Lower Upper

180 100

182 111.3 49.9 149.6

145 34.9 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

