

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062780.D
 Acq On : 19 Jun 2019 15:40
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Jun 20 01:47:29 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	927075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1253603	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1107489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	592362	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	479234	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
35) Dibromofluoromethane	6.93	113	484281	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
50) Toluene-d8	10.42	98	1132303	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	13.56	95	495747	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	593044	49.385	ug/l	100
3) Chloromethane	1.74	50	431574	47.786	ug/l	100
4) Vinyl Chloride	1.84	62	456400	50.971	ug/l	100
5) Bromomethane	2.16	94	240536	57.361	ug/l	100
6) Chloroethane	2.27	64	216599	53.429	ug/l	100
7) Trichlorofluoromethane	2.53	101	925531	51.074	ug/l	100
8) Diethyl Ether	2.88	74	129494	56.243	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	485125	49.416	ug/l	100
10) Methyl Iodide	3.31	142	683421	52.772	ug/l	100
11) Tert butyl alcohol	4.09	59	108370	235.879	ug/l	100
12) 1,1-Dichloroethene	3.13	96	366523	49.768	ug/l	100
13) Acrolein	3.03	56	110321	235.224	ug/l	100
14) Allyl chloride	3.62	41	569610	52.402	ug/l	100
15) Acrylonitrile	4.20	53	275252	255.000	ug/l	100
16) Acetone	3.23	43	512949	227.241	ug/l	100
17) Carbon Disulfide	3.38	76	1203330	51.196	ug/l	100
18) Methyl Acetate	3.64	43	148419	48.743	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	855117	53.638	ug/l	100
20) Methylene Chloride	3.82	84	378902	49.254	ug/l	100
21) trans-1,2-Dichloroethene	4.22	96	398457	50.814	ug/l	100
22) Diisopropyl ether	5.13	45	1120289	50.624	ug/l	100
23) Vinyl Acetate	5.06	43	3575761	257.719	ug/l	100
24) 1,1-Dichloroethane	4.99	63	743363	51.593	ug/l	100
25) 2-Butanone	6.08	43	484221	256.686	ug/l	100
26) 2,2-Dichloropropane	6.03	77	796058	52.125	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	422211	50.915	ug/l	100
28) Bromochloromethane	6.45	49	253554	49.965	ug/l	100
29) Tetrahydrofuran	6.47	42	222431	249.204	ug/l	100
30) Chloroform	6.68	83	901018	51.420	ug/l	100
31) Cyclohexane	6.96	56	483383	51.034	ug/l	100
32) 1,1,1-Trichloroethane	6.87	97	958961	52.543	ug/l	100
36) 1,1-Dichloropropene	7.15	75	615997	51.908	ug/l	100
37) Ethyl Acetate	6.19	43	248882	45.796	ug/l	100
38) Carbon Tetrachloride	7.12	117	912035m	50.181	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	538496	51.551	ug/l	100
40) Benzene	7.46	78	1228584	51.576	ug/l	100
41) Methacrylonitrile	6.45	41	315613	50.431	ug/l	100
42) 1,2-Dichloroethane	7.58	62	681474	52.442	ug/l	100
43) Isopropyl Acetate	9.24	43	330145	53.065	ug/l	100
44) Trichloroethene	8.55	130	485969	52.037	ug/l	100
45) 1,2-Dichloropropane	8.95	63	297148	50.166	ug/l	100
46) Dibromomethane	9.07	93	255097	50.136	ug/l	100
47) Bromodichloromethane	9.38	83	713886	54.023	ug/l	100
48) Methyl methacrylate	9.13	41	215713	48.790	ug/l	100
49) 1,4-Dioxane	9.10	88	37009	1006.146	ug/l	100
51) 4-Methyl-2-Pentanone	10.31	43	1095064	248.256	ug/l	100
52) Toluene	10.51	92	828153	51.719	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	551697	51.008	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	609127	51.815	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	267445	48.615	ug/l	100
56) Ethyl methacrylate	11.05	69	303780	51.671	ug/l	100
57) 1,3-Dichloropropane	11.41	76	431356	51.210	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	745609	247.032	ug/l	100
59) 2-Hexanone	11.54	43	809762	257.764	ug/l	100
60) Dibromochloromethane	11.70	129	522409	50.982	ug/l	100
61) 1,2-Dibromoethane	11.81	107	330059	50.799	ug/l	100
64) Tetrachloroethene	11.26	164	441628	48.451	ug/l	100
65) Chlorobenzene	12.40	112	1046998	50.939	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	483316	50.282	ug/l	100
67) Ethyl Benzene	12.53	91	1791683	48.552	ug/l	100
68) m/p-Xylenes	12.67	106	1311623	102.051	ug/l	100
69) o-Xylene	13.05	106	617895	52.590	ug/l	100
70) Styrene	13.07	104	1053483	51.048	ug/l	100
71) Bromoform	13.24	173	333649	50.663	ug/l	100
73) Isopropylbenzene	13.41	105	1876806	49.414	ug/l	100
74) N-amyl acetate	13.27	43	486980	52.797	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	293026	47.351	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	341206	49.896	ug/l	100
77) Bromobenzene	13.67	156	526011	51.490	ug/l	100
78) n-propylbenzene	13.78	91	2105338	47.625	ug/l	100
79) 2-Chlorotoluene	13.84	91	1249349	49.498	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	1551928	48.646	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	88940	49.625	ug/l	100
82) 4-Chlorotoluene	13.95	91	1467855	48.262	ug/l	100
83) tert-Butylbenzene	14.20	119	1778399	50.011	ug/l	100
84) 1,2,4-Trimethylbenzene	14.25	105	1666437	50.963	ug/l	100
85) sec-Butylbenzene	14.37	105	1865969	48.279	ug/l	100
86) p-Isopropyltoluene	14.49	119	1831444	51.797	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	915866	50.013	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	917628	49.890	ug/l	100
89) n-Butylbenzene	14.80	91	1583586	47.851	ug/l	100
90) Hexachloroethane	15.01	117	493887	51.951	ug/l	100
91) 1,2-Dichlorobenzene	14.82	146	772004	49.273	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	62058	51.379	ug/l	100

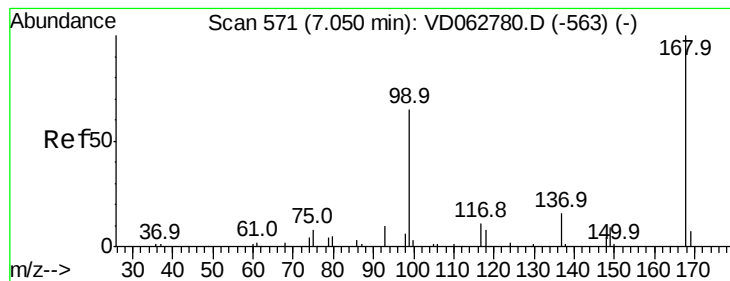
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	587408	47.994	ug/l	100
94) Hexachlorobutadiene	16.04	225	461235	49.329	ug/l	100
95) Naphthalene	16.13	128	878861	51.232	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	460557	48.976	ug/l	100

(#) = 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: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

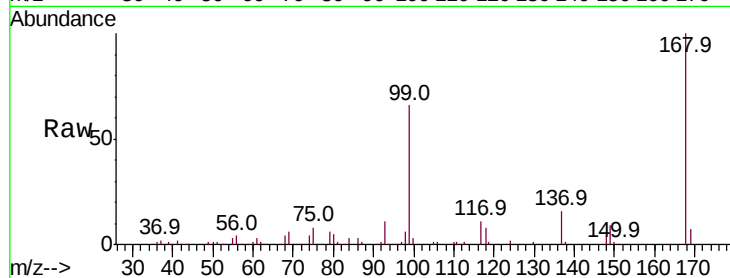
VSTDICCC050

Tot Ion:168 Resp: 927075

Ion Ratio Lower Upper

168 100

99 66.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

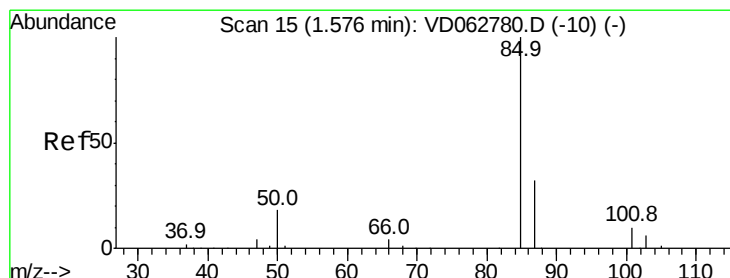
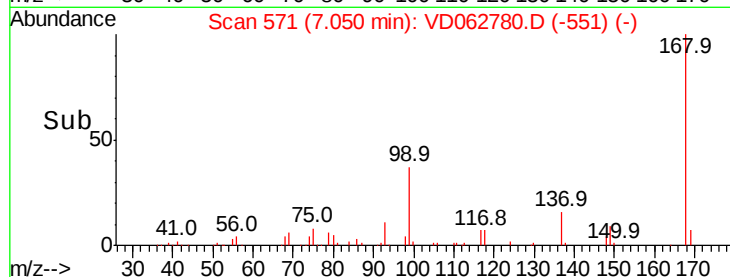
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.385 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062780.D

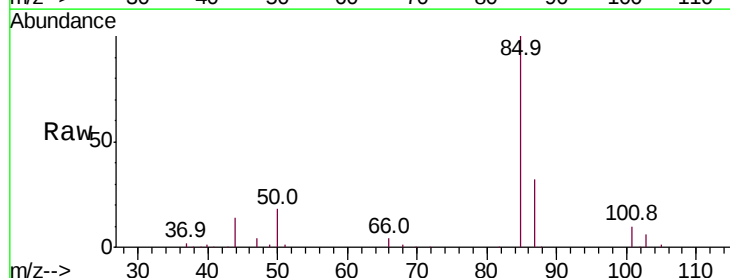
Acq: 19 Jun 2019 15:40

Tgt Ion: 85 Resp: 593044

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

300000

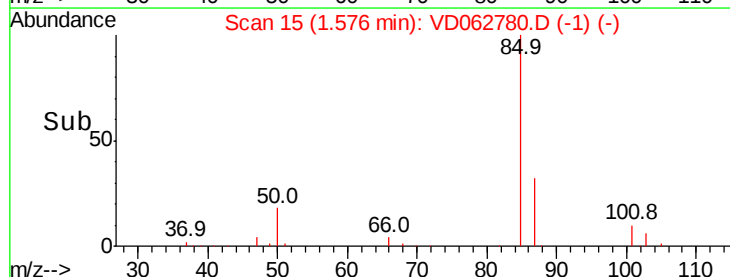
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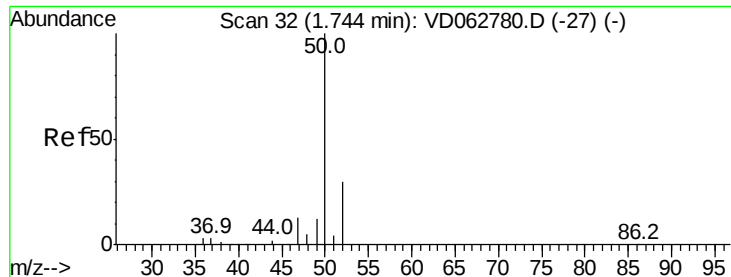
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 47.786 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

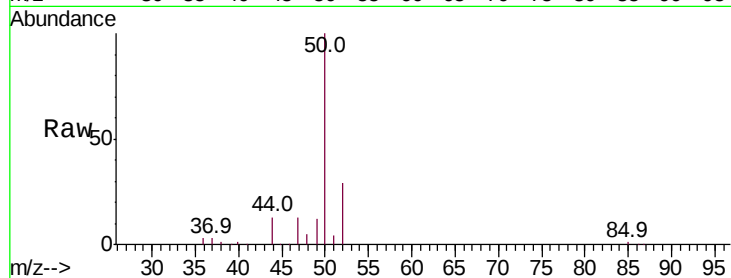
VSTDICCC050

Tot Ion: 50 Resp: 431574

Ion Ratio Lower Upper

50 100

52 29.5 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

150000

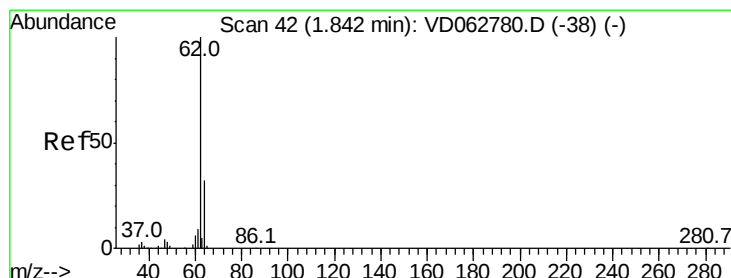
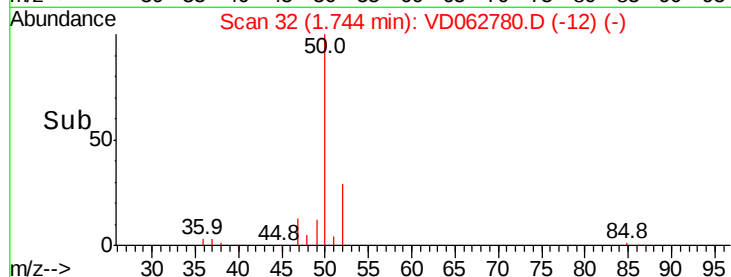
100000

50000

0

Time-->

1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 50.971 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD062780.D

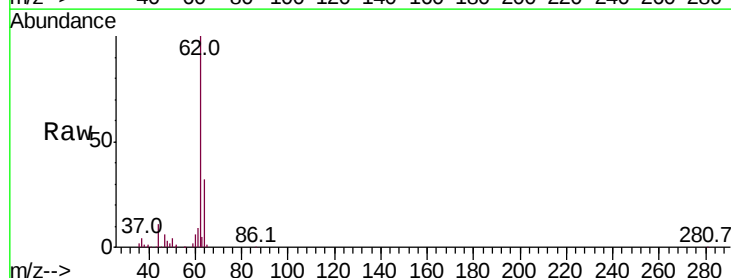
Acq: 19 Jun 2019 15:40

Tgt Ion: 62 Resp: 456400

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

250000

200000

150000

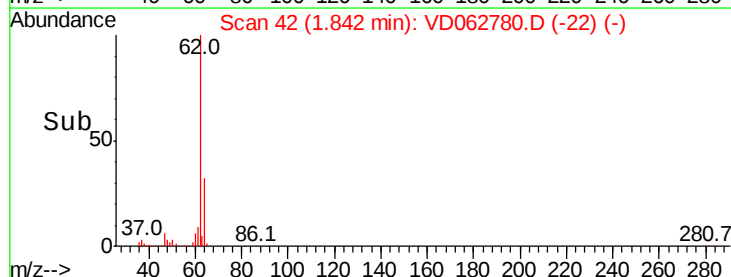
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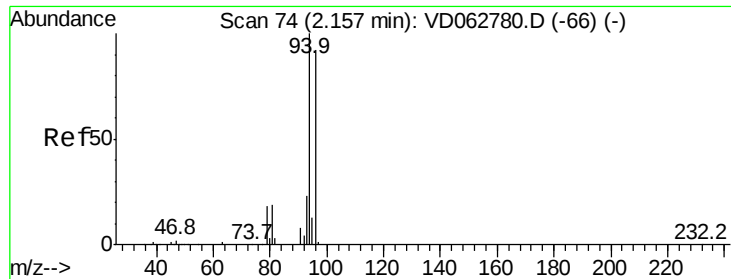
50000

0

Time-->

1.80 1.90 2.00





#5

Bromomethane

Concen: 57.361 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

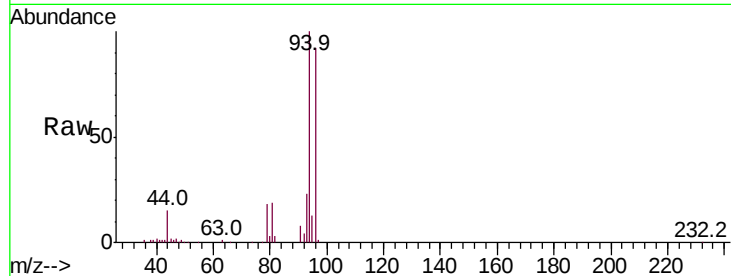
Tot Ion: 94 Resp: 240536

Ion Ratio Lower Upper

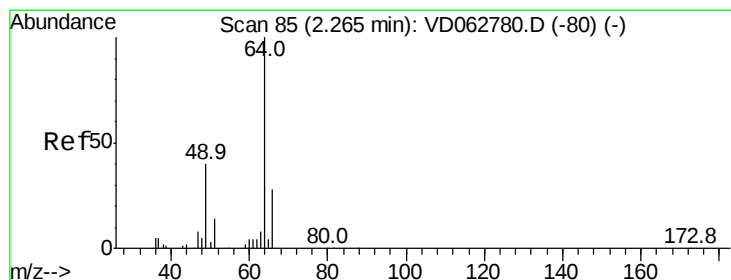
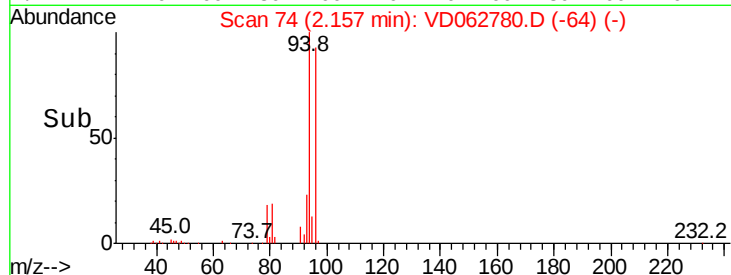
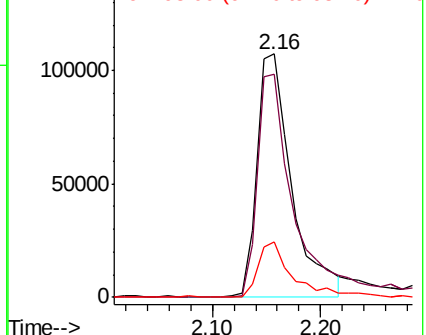
94 100

96 91.8 73.4 110.2

93 22.8 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: 53.429 ug/l

RT: 2.27 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062780.D

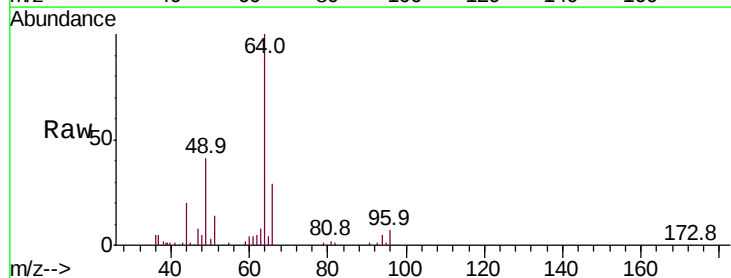
Acq: 19 Jun 2019 15:40

Tgt Ion: 64 Resp: 216599

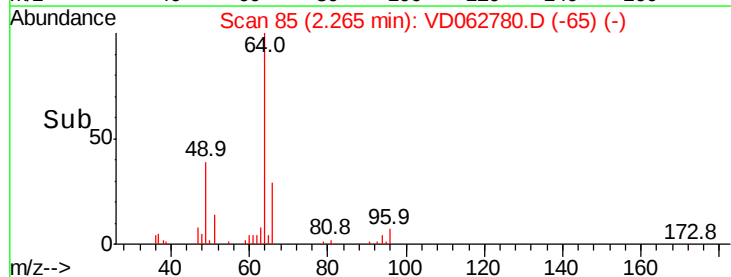
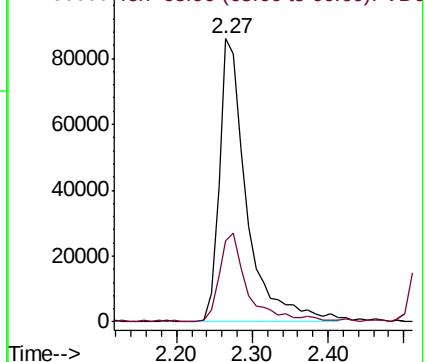
Ion Ratio Lower Upper

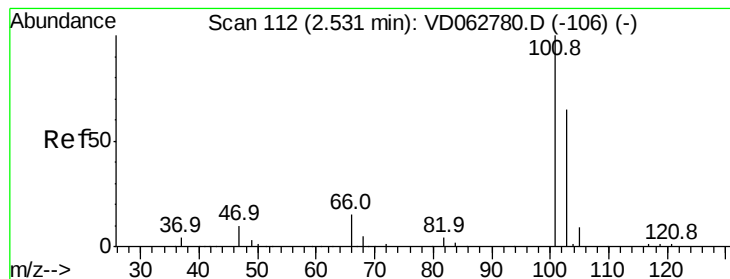
64 100

66 28.7 23.0 34.4



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



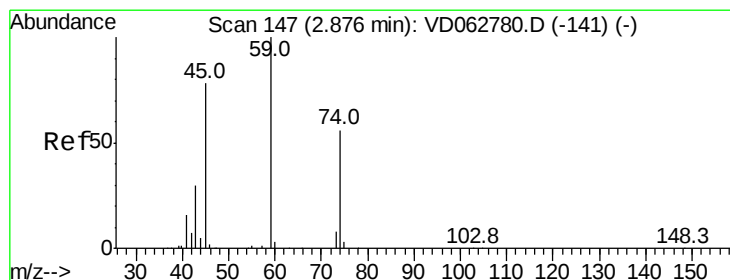
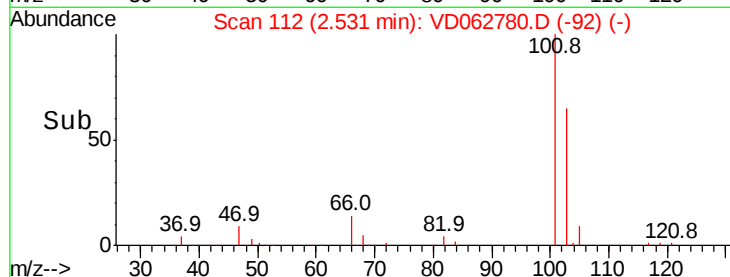
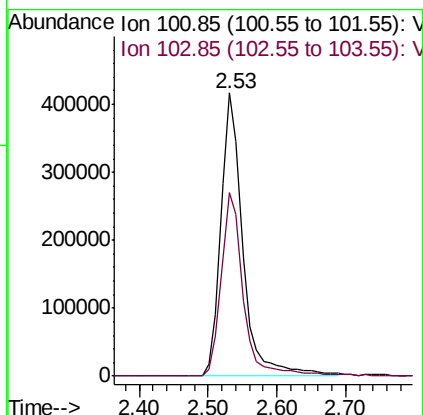
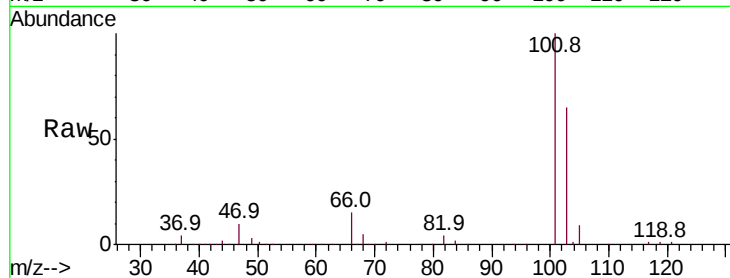


#7

Trichlorofluoromethane
Concen: 51.074 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Instrument :
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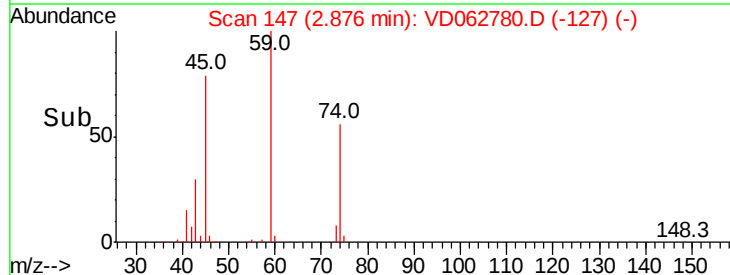
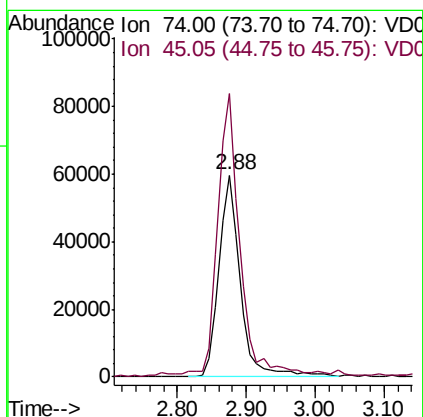
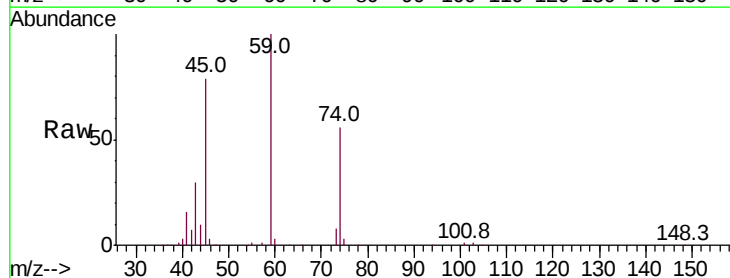
Tot Ion:101 Resp: 925531
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8

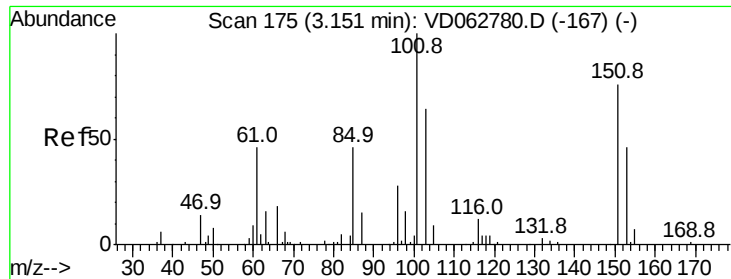


#8

Diethyl Ether
Concen: 56.243 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion: 74 Resp: 129494
Ion Ratio Lower Upper
74 100
45 140.4 70.2 210.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.416 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

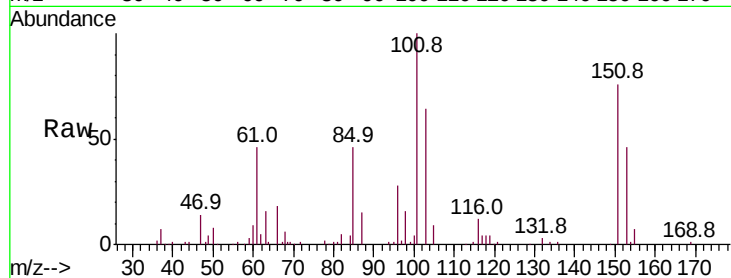
Tot Ion:101 Resp: 485125

Ion Ratio Lower Upper

101 100

85 46.2 37.0 55.4

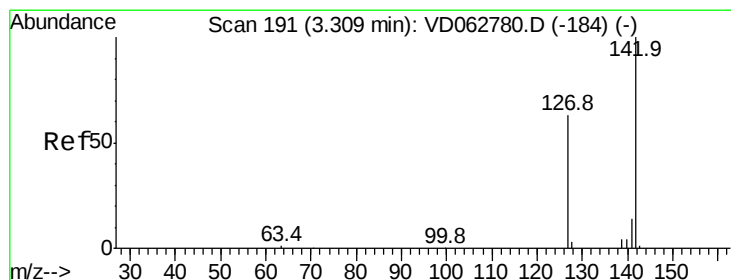
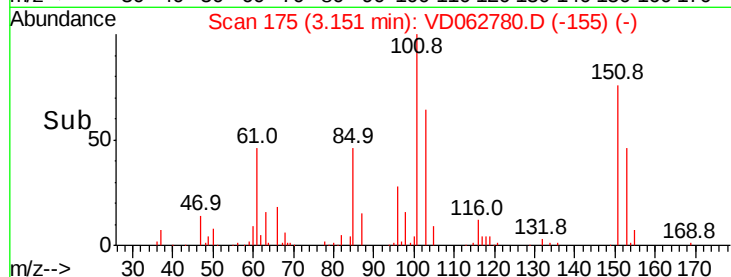
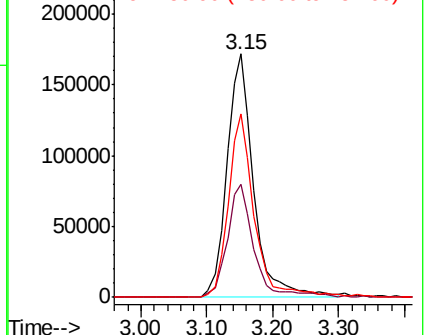
151 75.6 60.5 90.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 52.772 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

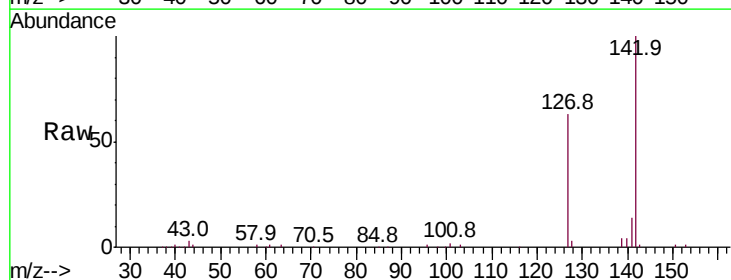
Tgt Ion:142 Resp: 683421

Ion Ratio Lower Upper

142 100

127 62.6 50.1 75.1

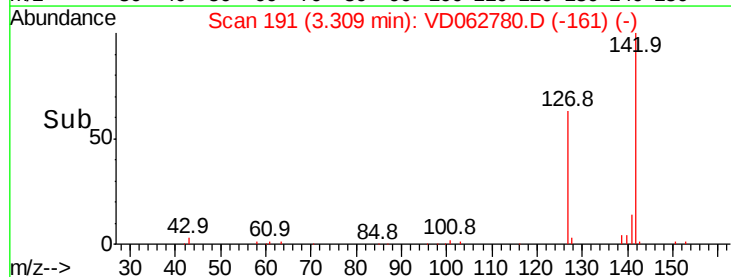
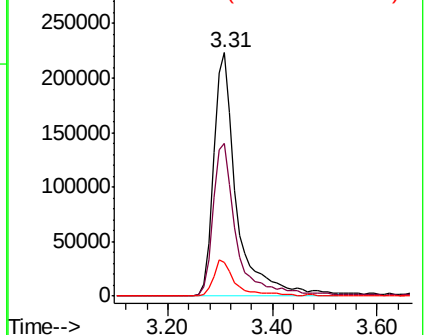
141 13.7 11.0 16.4

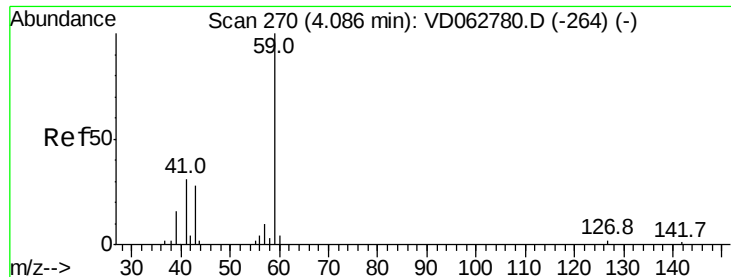


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



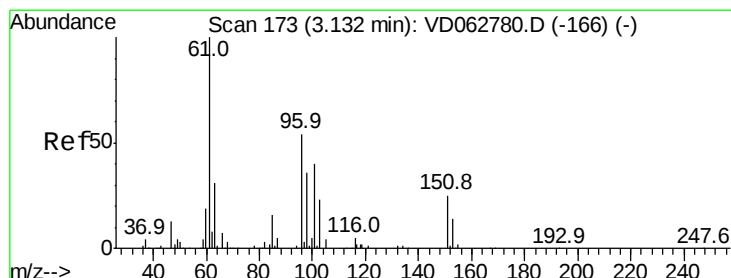
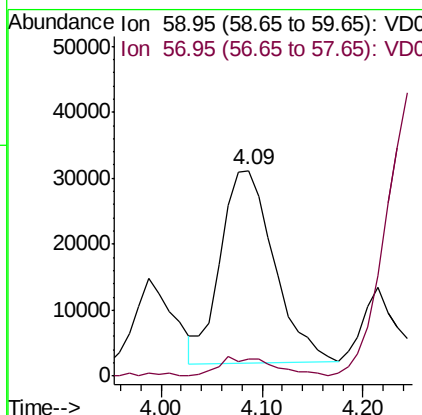
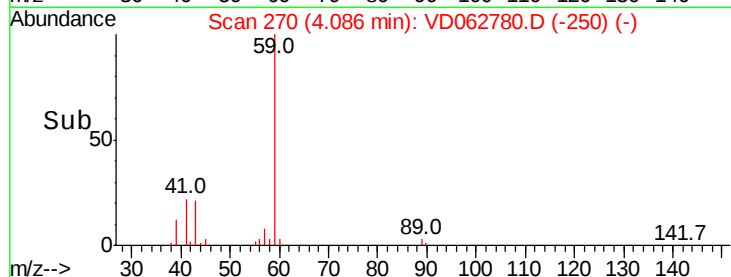
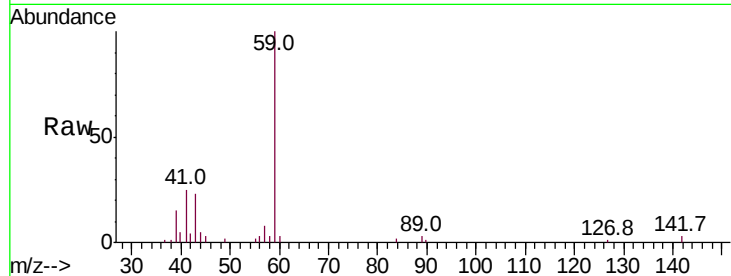


#11

Tert butyl alcohol
Concen: 235.879 ug/l
RT: 4.09 min Scan# 270
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

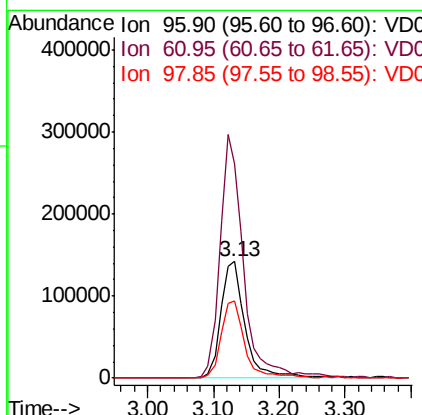
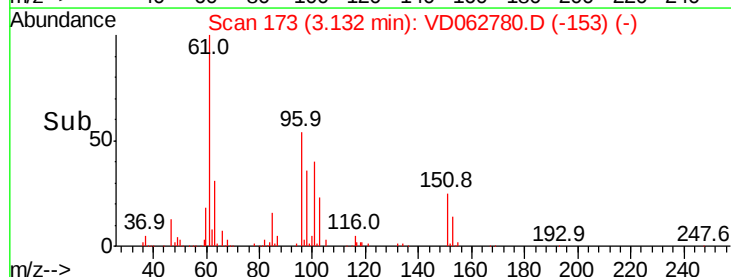
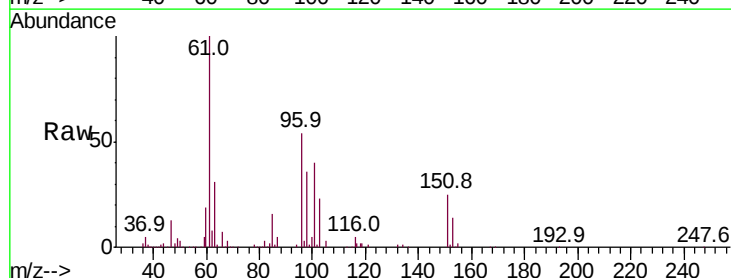
Tot Ion: 59 Resp: 108370
Ion Ratio Lower Upper
59 100
57 8.3 6.6 10.0

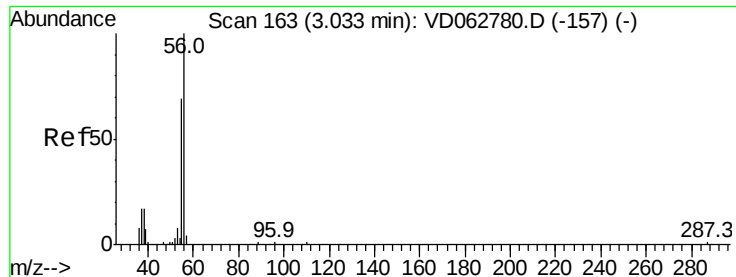


#12

1,1-Dichloroethene
Concen: 49.768 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion: 96 Resp: 366523
Ion Ratio Lower Upper
96 100
61 183.9 147.1 220.7
98 65.8 52.6 79.0





#13

Acrolein

Concen: 235.224 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

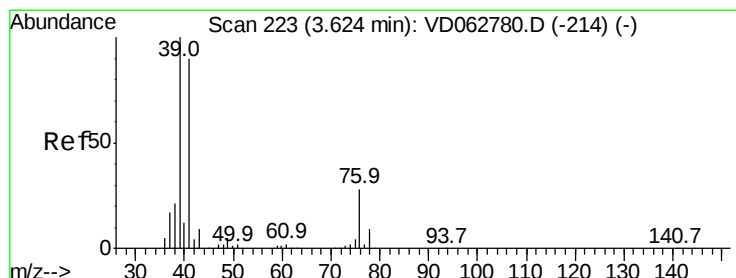
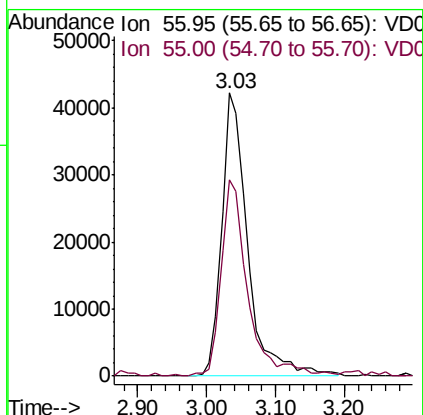
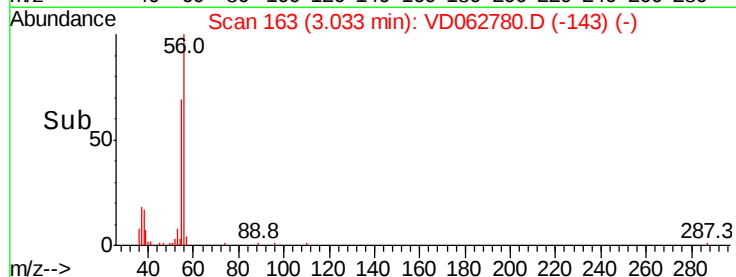
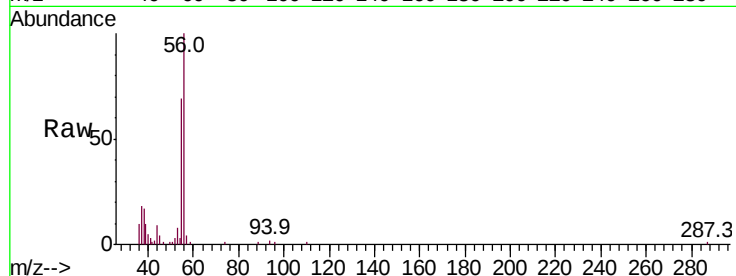
VSTDICCC050

Tot Ion: 56 Resp: 110321

Ion Ratio Lower Upper

56 100

55 69.2 55.4 83.0



#14

Allyl chloride

Concen: 52.402 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

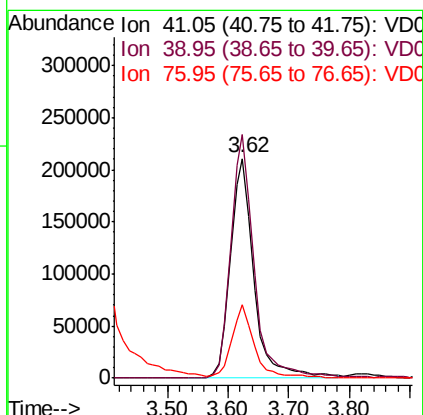
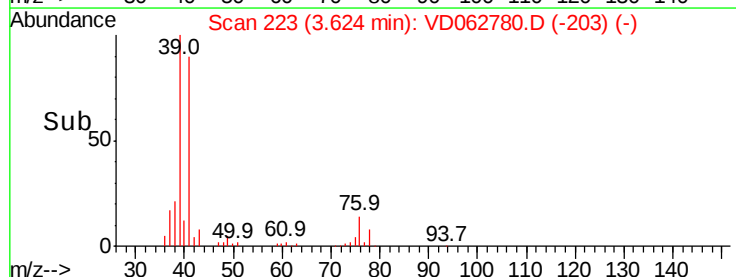
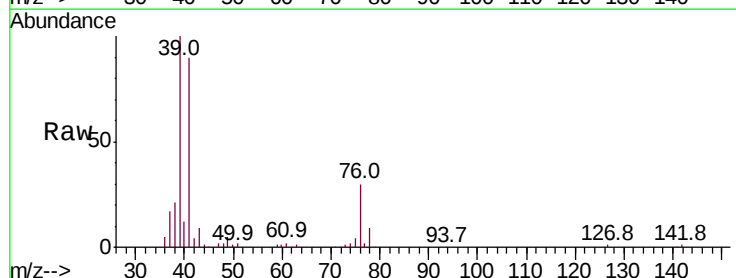
Tgt Ion: 41 Resp: 569610

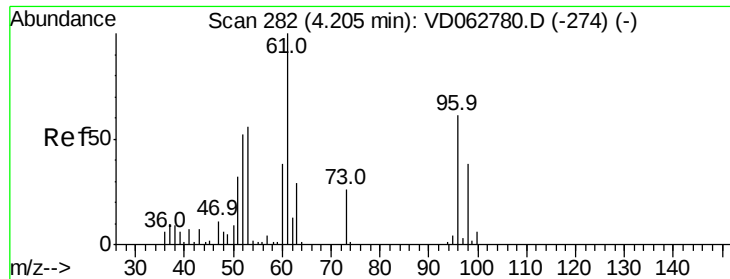
Ion Ratio Lower Upper

41 100

39 111.0 88.8 133.2

76 33.4 26.7 40.1

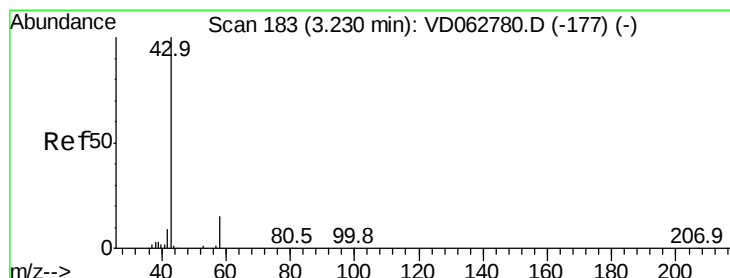
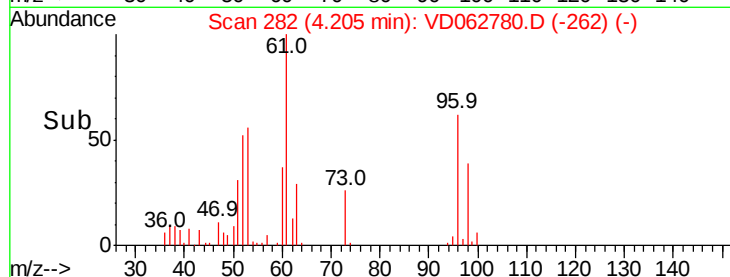
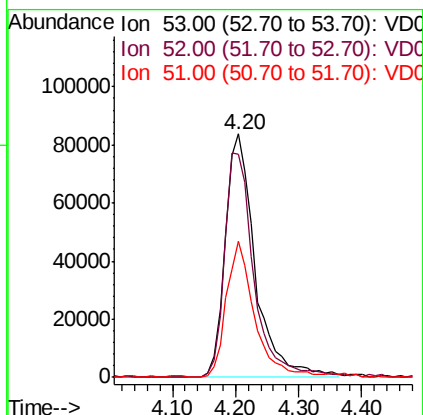
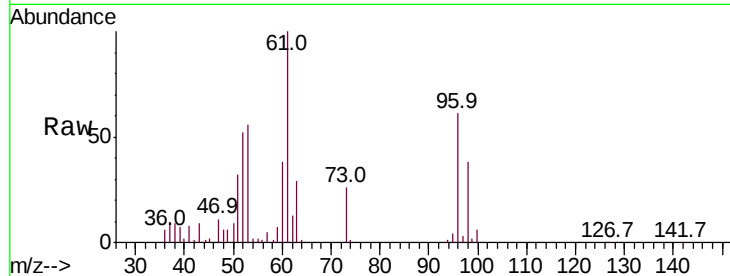




#15
 Acrylonitrile
 Concen: 255.000 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

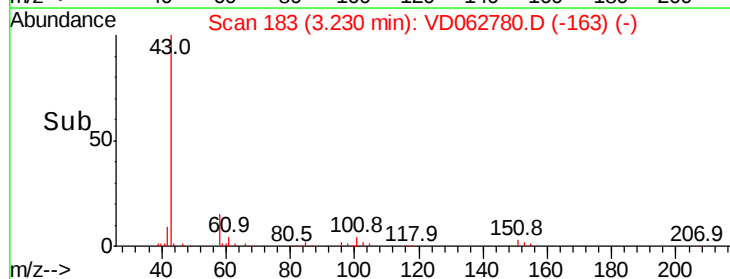
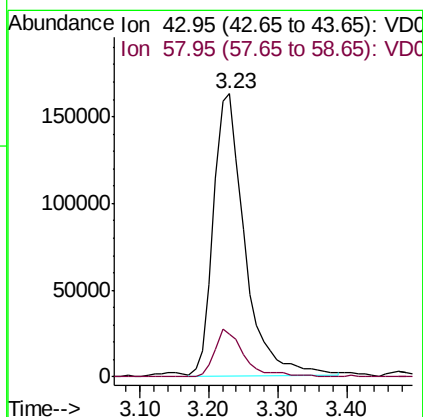
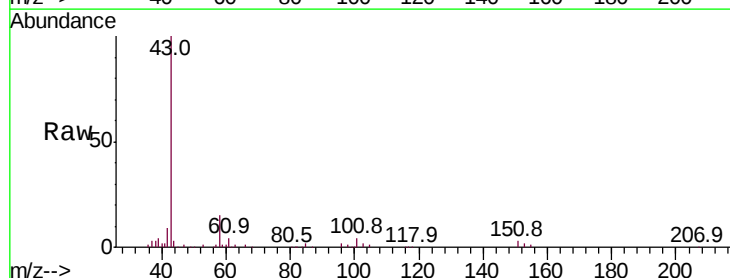
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

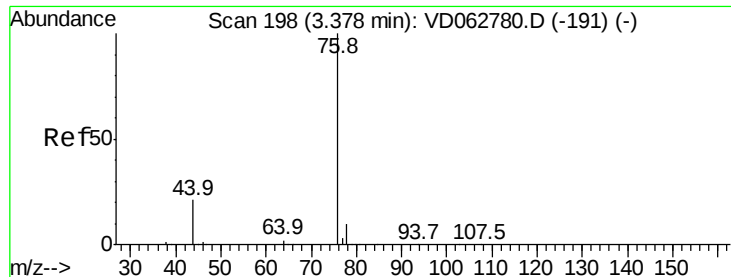
Tot Ion: 53 Resp: 275252
 Ion Ratio Lower Upper
 53 100
 52 91.6 73.3 109.9
 51 56.0 44.8 67.2



#16
 Acetone
 Concen: 227.241 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

Tgt Ion: 43 Resp: 512949
 Ion Ratio Lower Upper
 43 100
 58 14.9 11.9 17.9

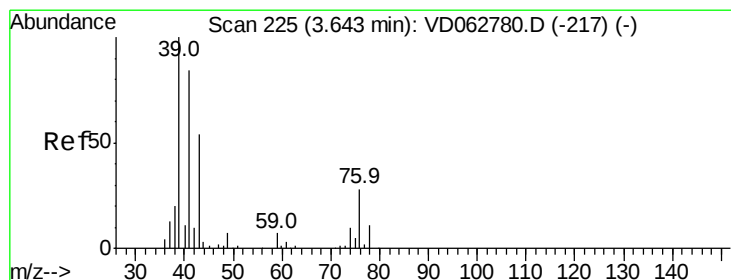
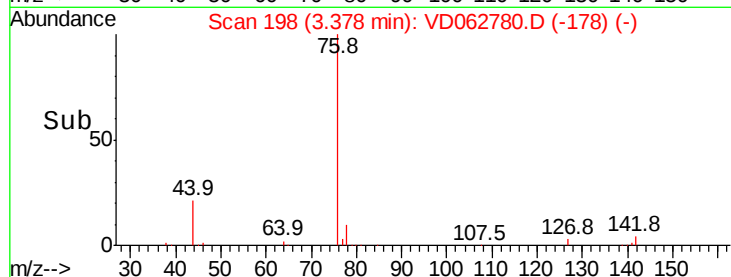
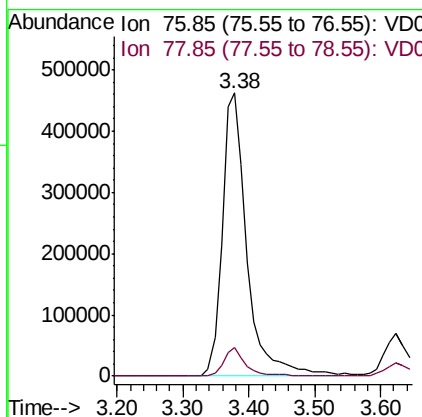
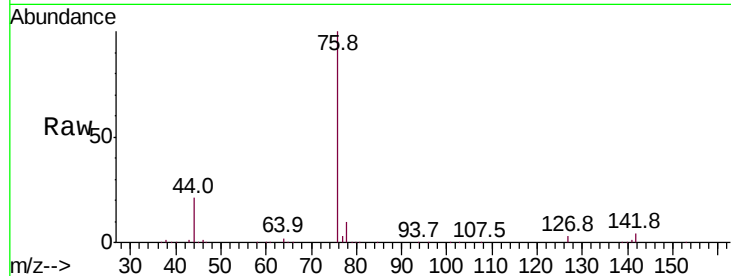




#17
Carbon Disulfide
Concen: 51.196 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

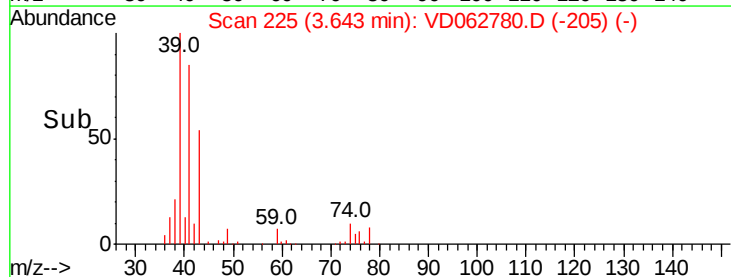
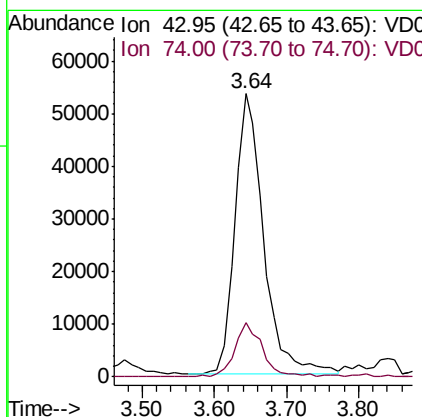
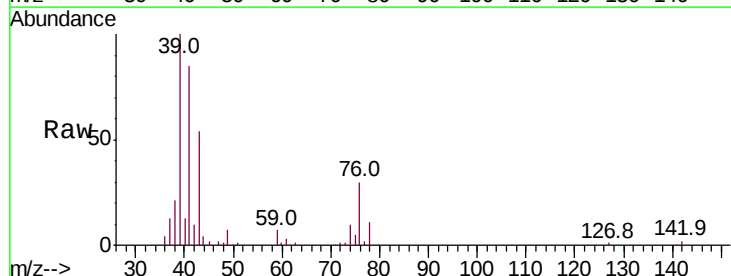
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

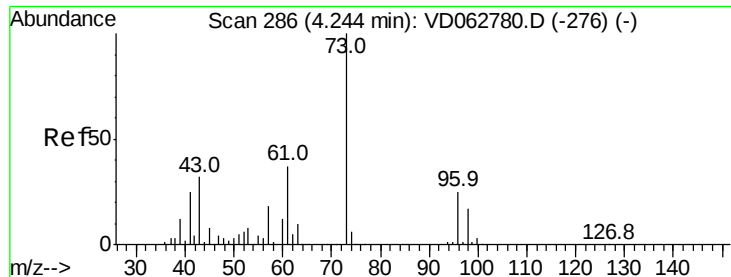
Tot Ion: 76 Resp: 1203330
Ion Ratio Lower Upper
76 100
78 10.0 8.0 12.0



#18
Methyl Acetate
Concen: 48.743 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion: 43 Resp: 148419
Ion Ratio Lower Upper
43 100
74 19.0 15.2 22.8

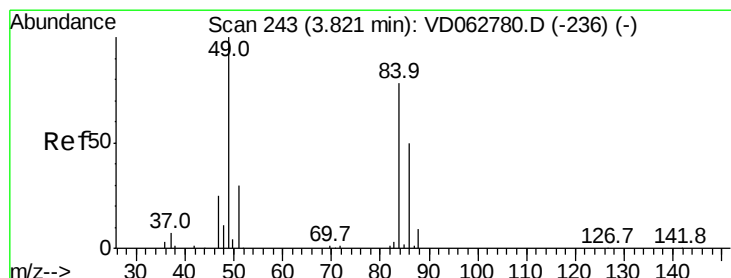
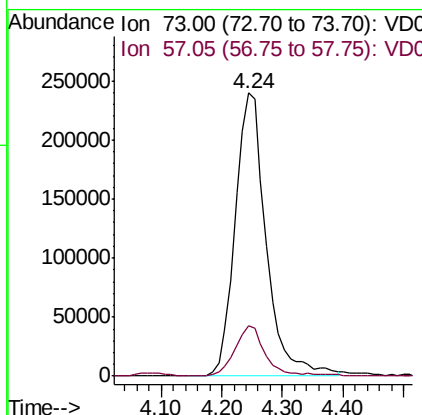
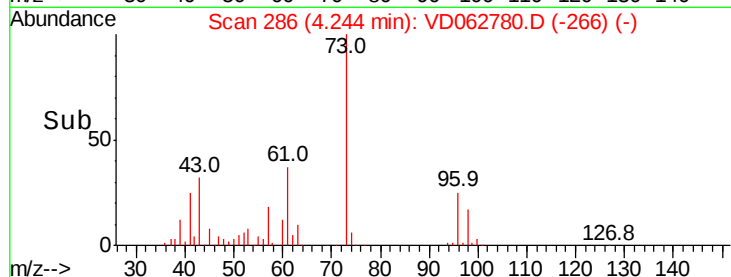
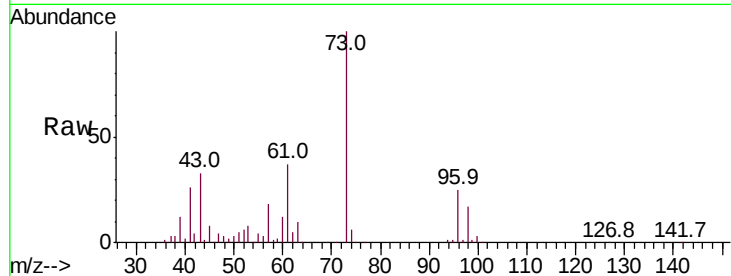




#19
Methyl tert-butyl Ether
Concen: 53.638 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

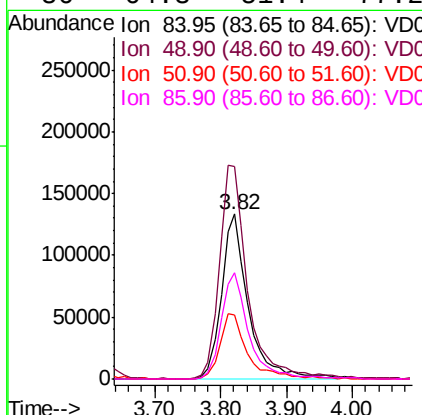
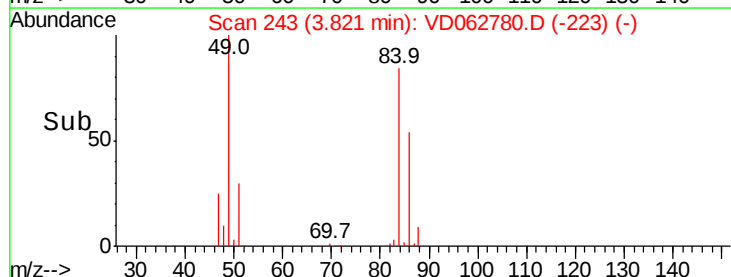
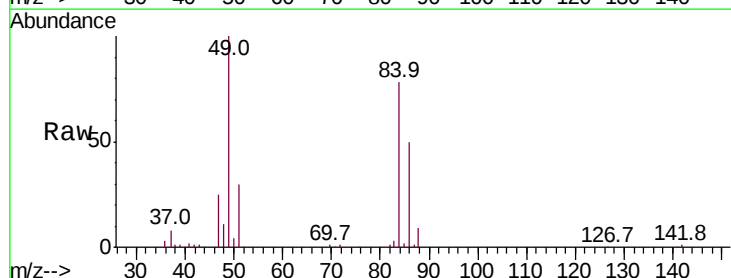
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

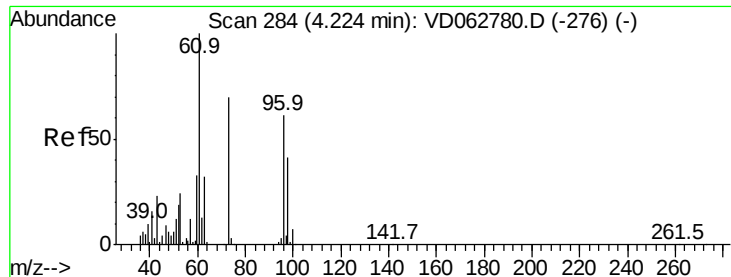
Tot Ion: 73 Resp: 855117
Ion Ratio Lower Upper
73 100
57 17.9 14.3 21.5



#20
Methylene Chloride
Concen: 49.254 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion: 84 Resp: 378902
Ion Ratio Lower Upper
84 100
49 128.6 102.9 154.3
51 39.0 31.2 46.8
86 64.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 50.814 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

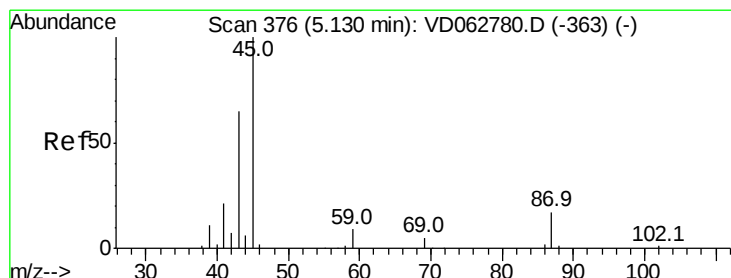
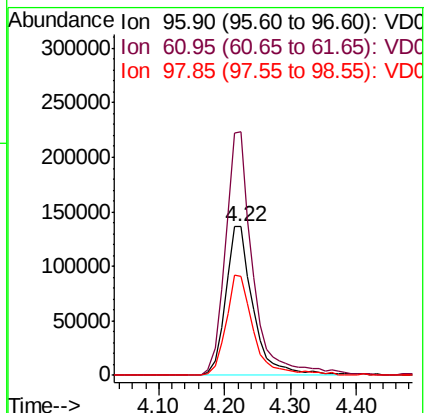
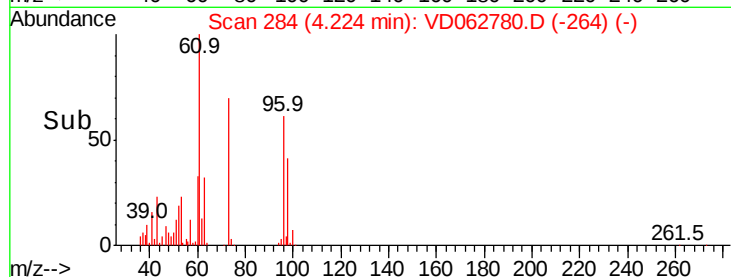
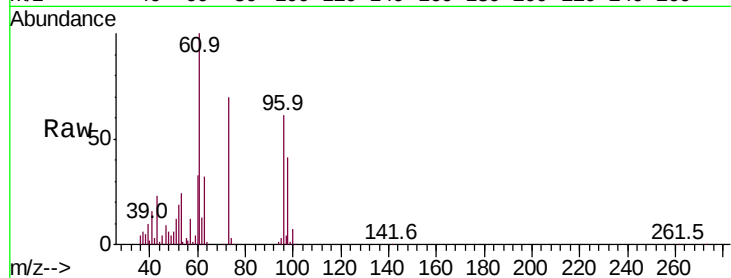
Tot Ion: 96 Resp: 398457

Ion Ratio Lower Upper

96 100

61 163.7 131.0 196.4

98 66.5 53.2 79.8



#22

Diisopropyl ether

Concen: 50.624 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Tgt Ion: 45 Resp: 1120289

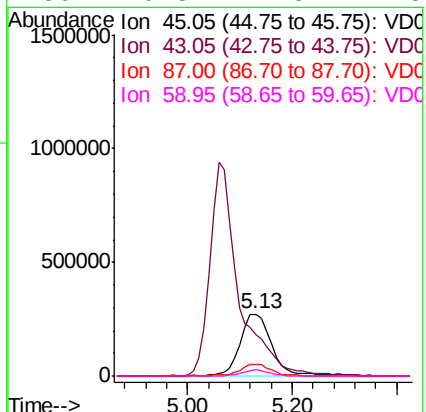
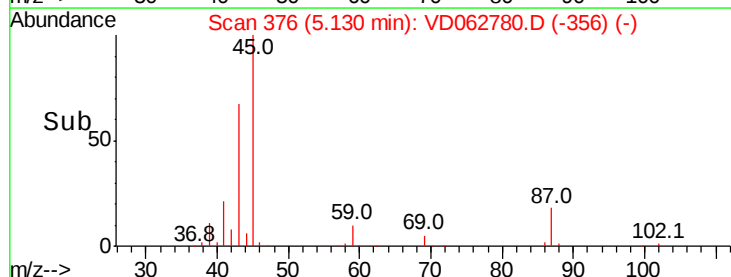
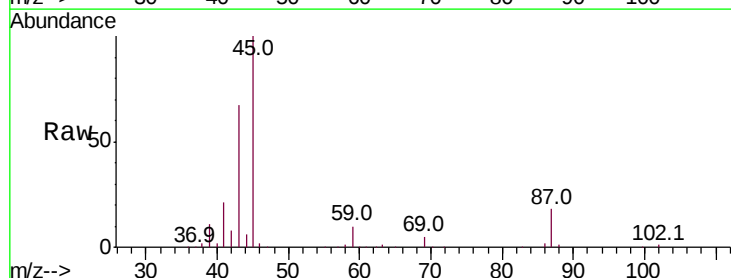
Ion Ratio Lower Upper

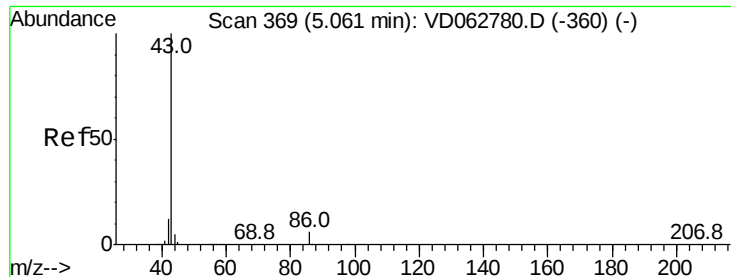
45 100

43 66.7 53.4 80.0

87 18.3 14.6 22.0

59 9.8 7.8 11.8





#23

Vinyl Acetate

Concen: 257.719 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

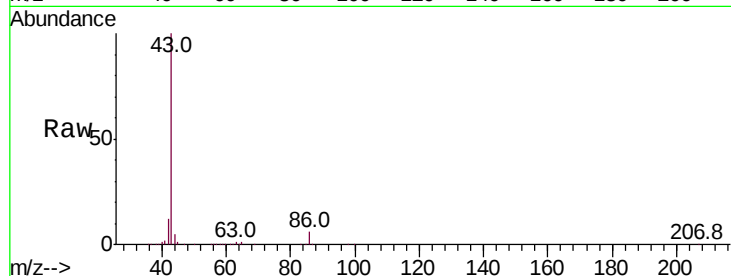
VSTDICCC050

Tot Ion: 43 Resp: 3575761

Ion Ratio Lower Upper

43 100

86 5.9 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

1000000

800000

600000

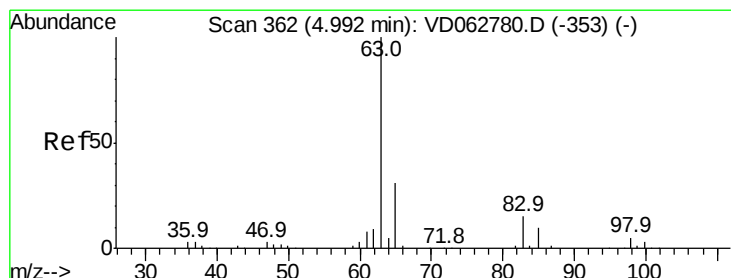
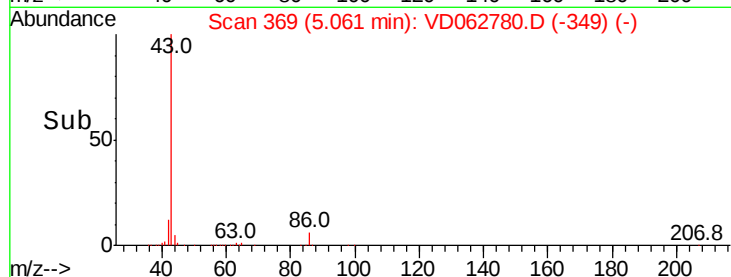
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 51.593 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

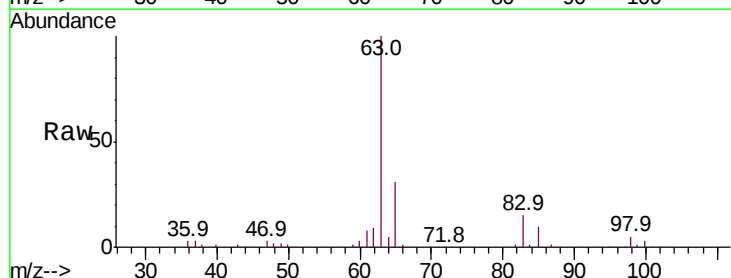
Tgt Ion: 63 Resp: 743363

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.9

100 3.4 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.99

300000

250000

200000

150000

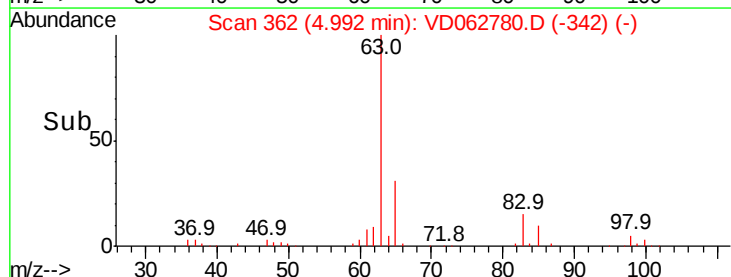
100000

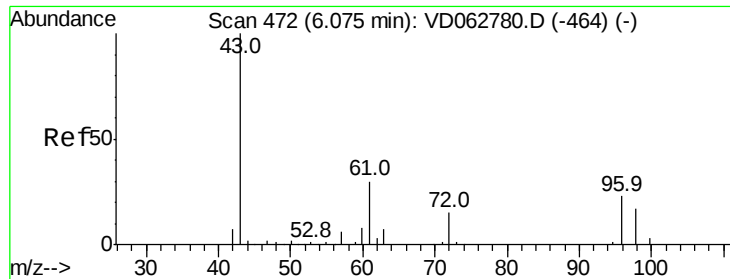
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 256.686 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

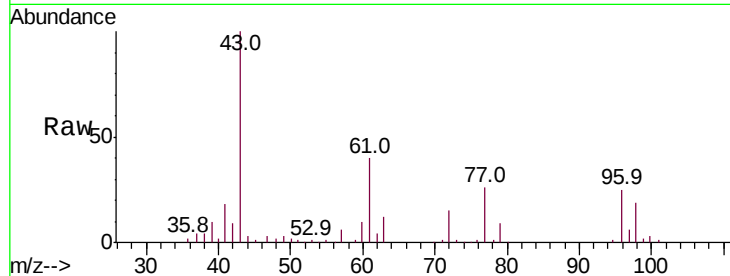
VSTDICCC050

Tot Ion: 43 Resp: 484221

Ion Ratio Lower Upper

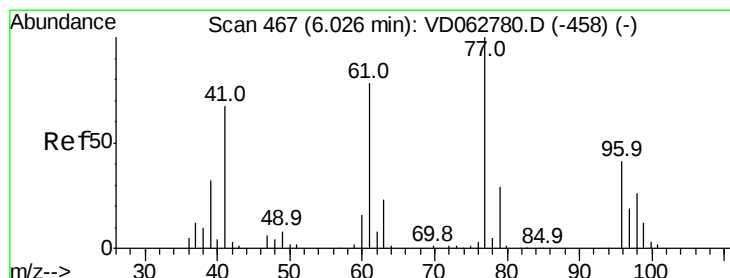
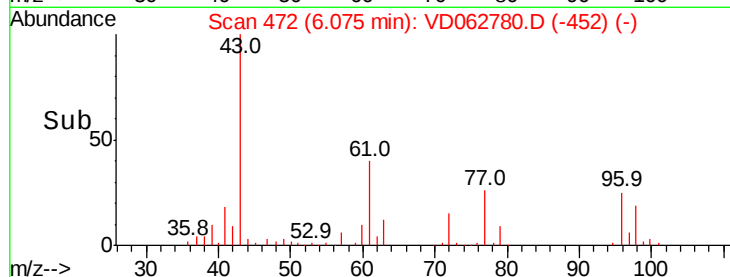
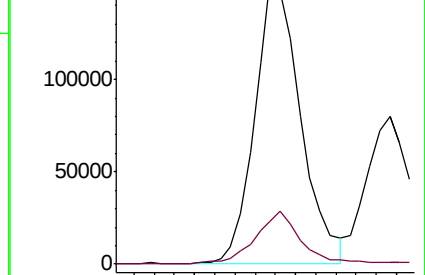
43 100

72 14.9 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: 52.125 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD062780.D

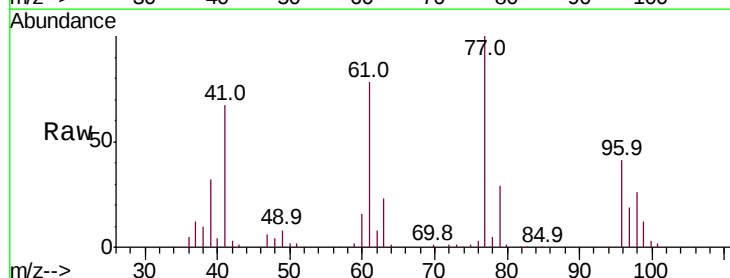
Acq: 19 Jun 2019 15:40

Tgt Ion: 77 Resp: 796058

Ion Ratio Lower Upper

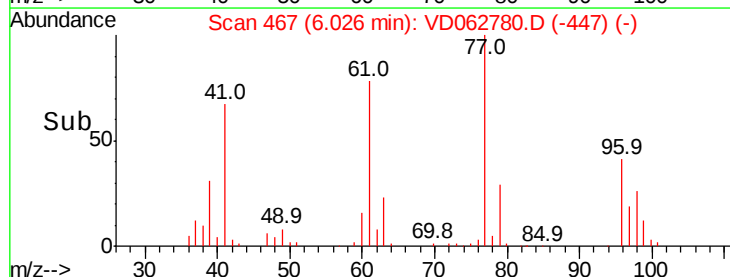
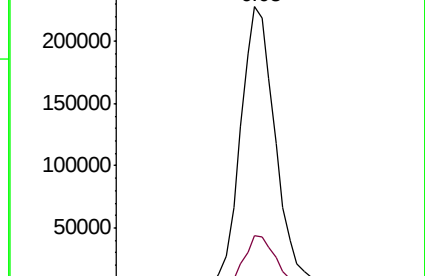
77 100

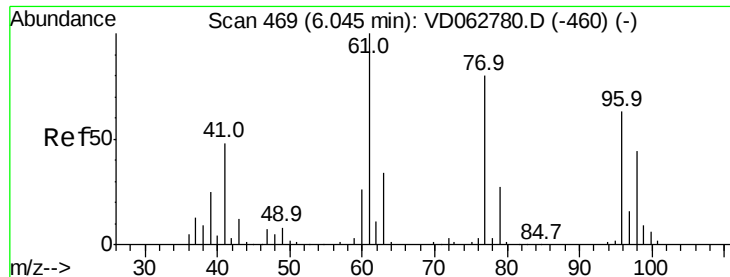
97 19.0 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



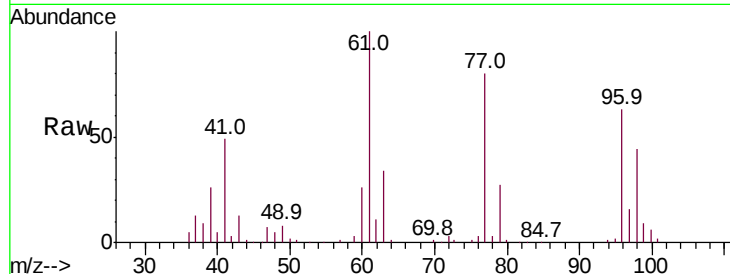


#27

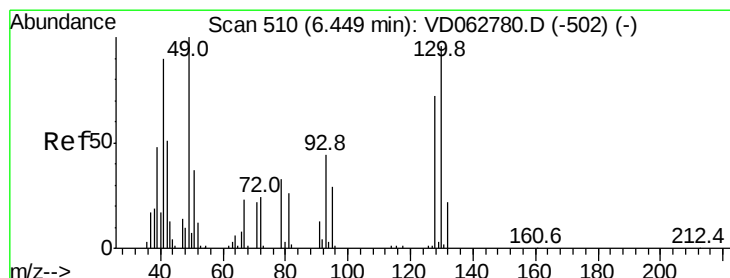
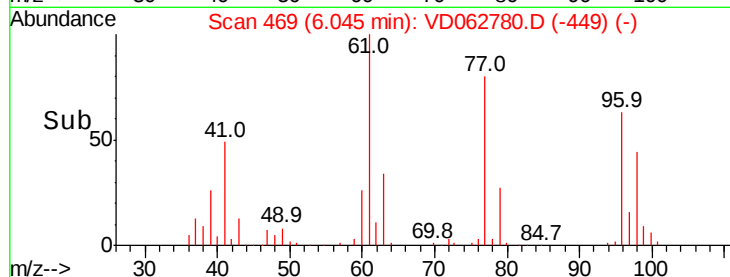
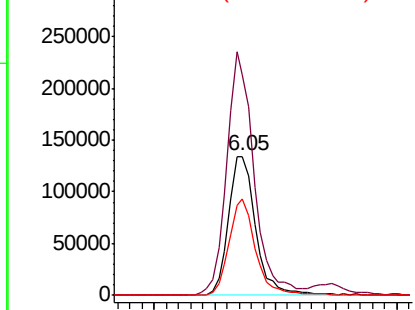
cis-1,2-Dichloroethene
Concen: 50.915 ug/l
RT: 6.05 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 96 Resp: 422211
Ion Ratio Lower Upper
96 100
61 158.0 0.0 316.0
98 69.2 0.0 138.4



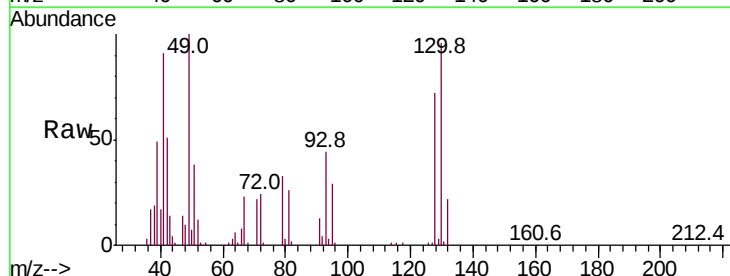
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



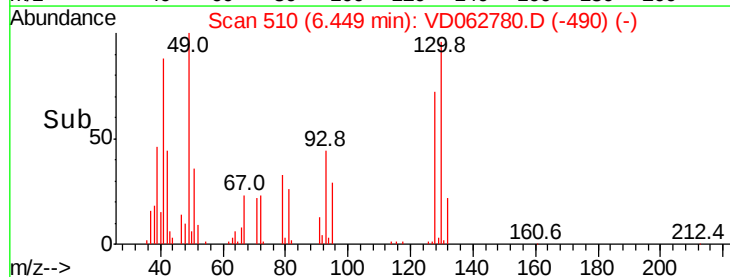
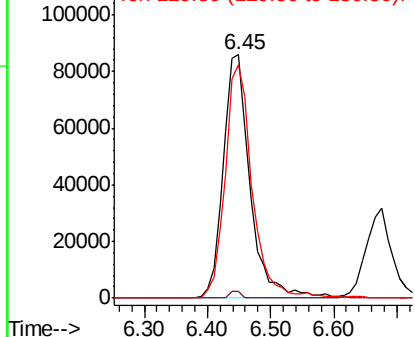
#28

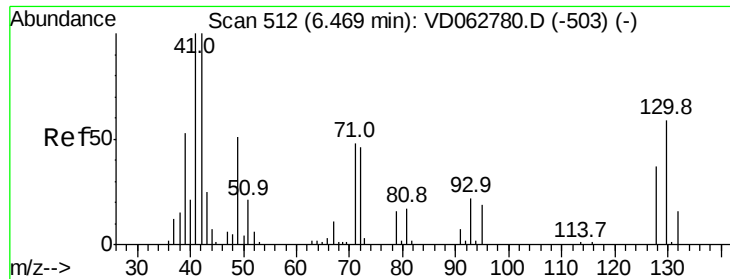
Bromochloromethane
Concen: 49.965 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion: 49 Resp: 253554
Ion Ratio Lower Upper
49 100
129 2.8 0.0 5.6
130 95.7 76.6 114.8



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

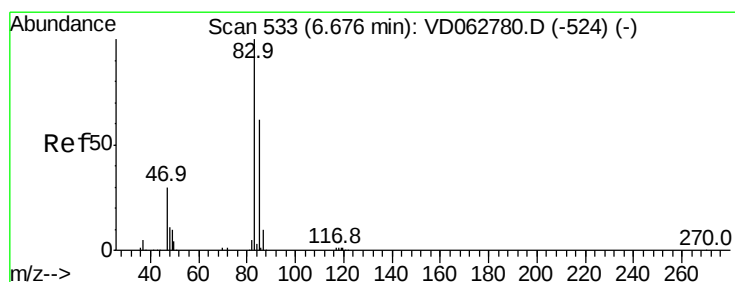
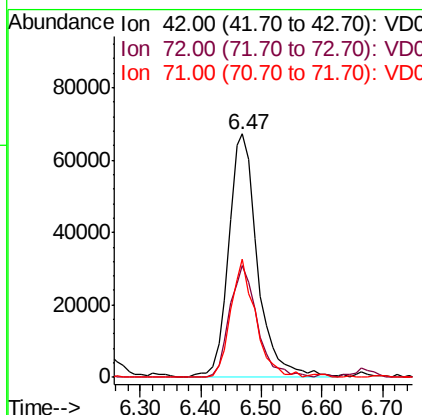
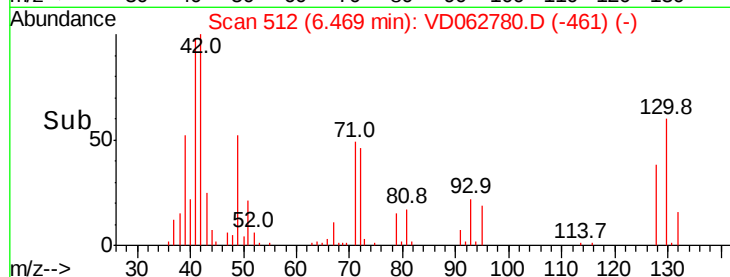
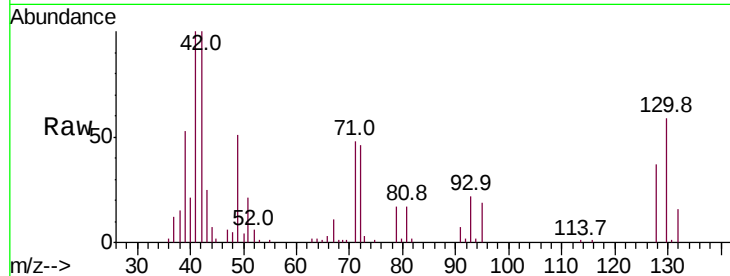




#29
Tetrahydrofuran
Concen: 249.204 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

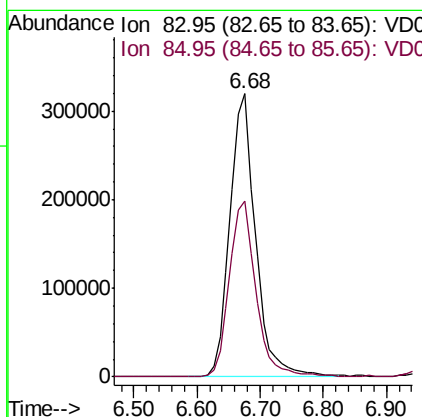
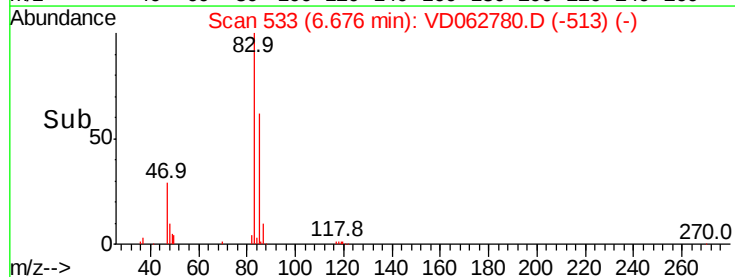
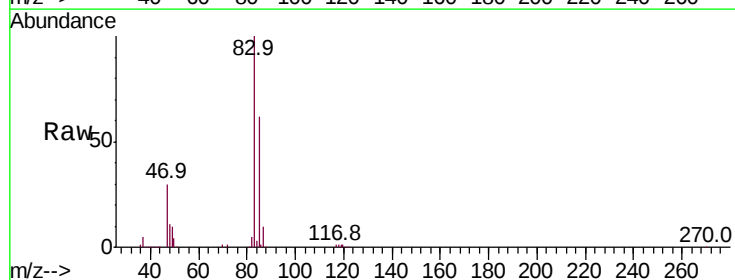
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

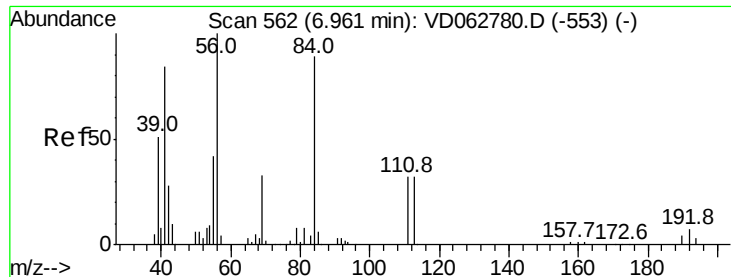
Tot Ion: 42 Resp: 222431
Ion Ratio Lower Upper
42 100
72 43.8 35.0 52.6
71 41.6 33.3 49.9



#30
Chloroform
Concen: 51.420 ug/l
RT: 6.68 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion: 83 Resp: 901018
Ion Ratio Lower Upper
83 100
85 62.2 49.8 74.6

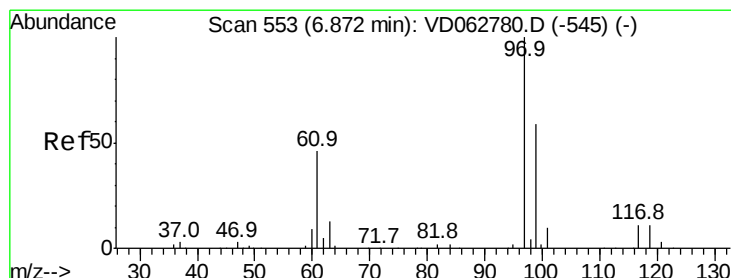
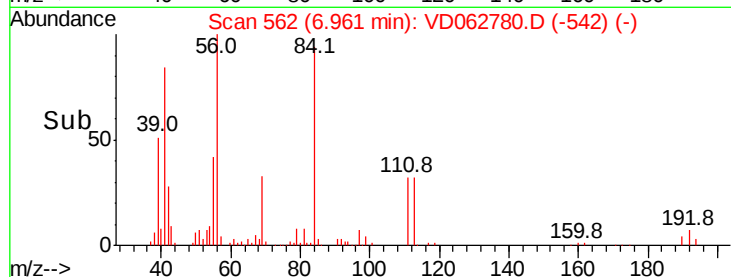
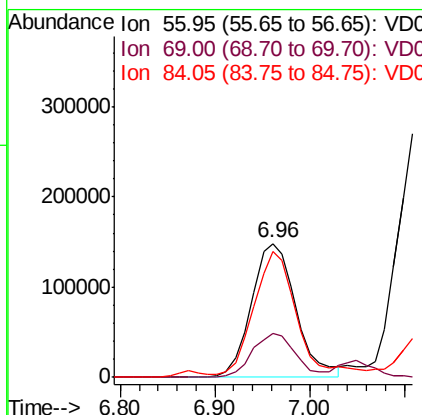
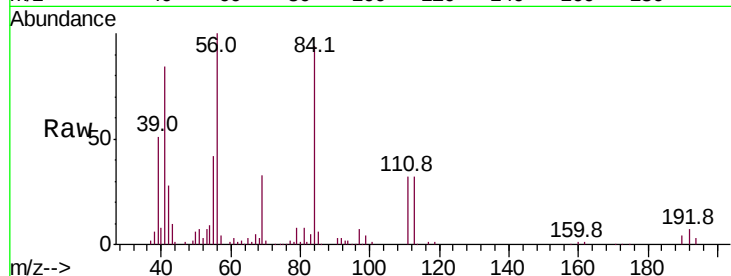




#31
Cyclohexane
Concen: 51.034 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

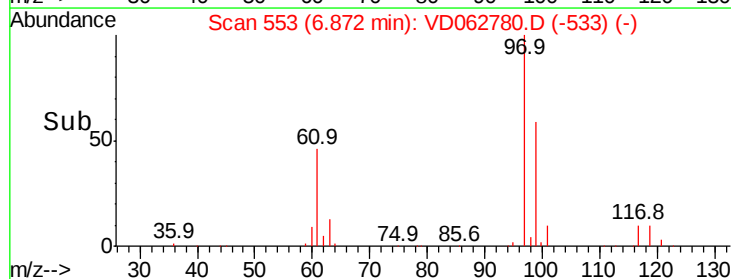
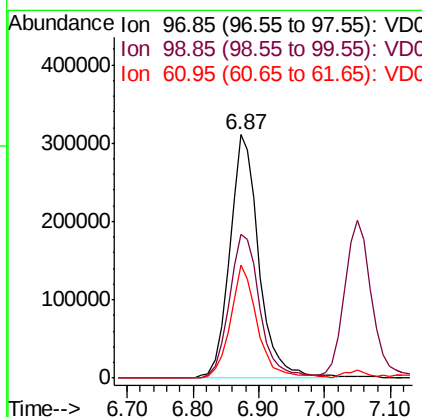
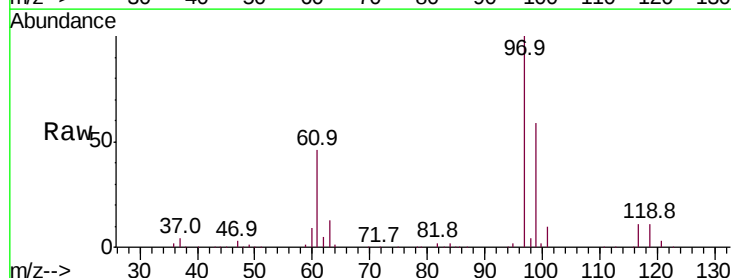
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

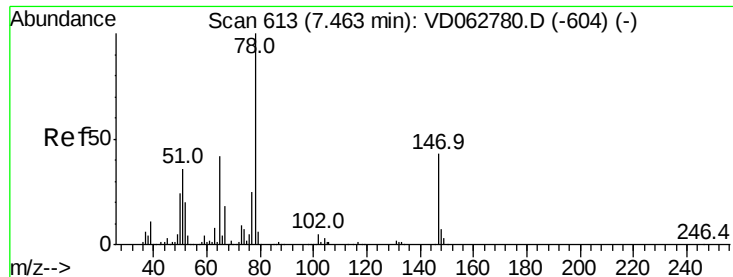
Tot Ion: 56 Resp: 483383
Ion Ratio Lower Upper
56 100
69 33.2 26.6 39.8
84 94.4 75.5 113.3



#32
1,1,1-Trichloroethane
Concen: 52.543 ug/l
RT: 6.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion: 97 Resp: 958961
Ion Ratio Lower Upper
97 100
99 59.3 47.4 71.2
61 46.5 37.2 55.8

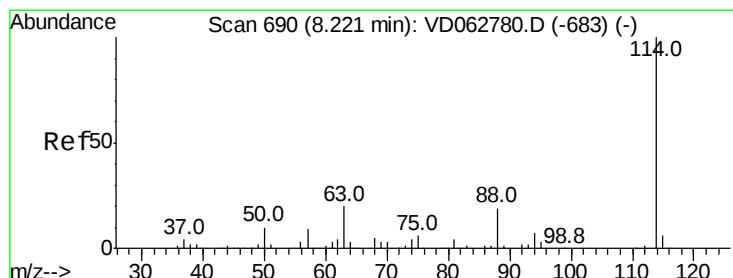
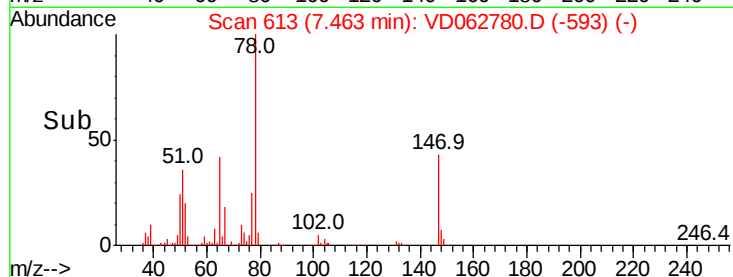
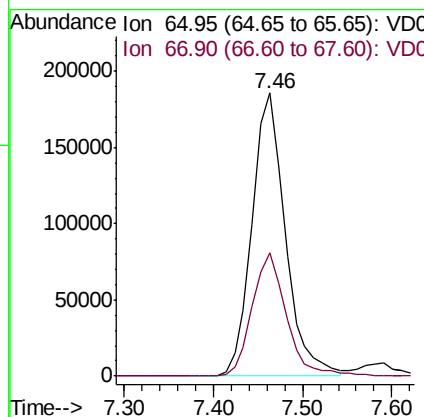
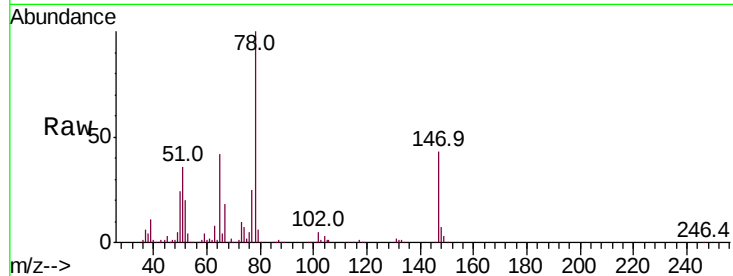




#33
 1,2-Dichloroethane-d4
 Concen: 47.513 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

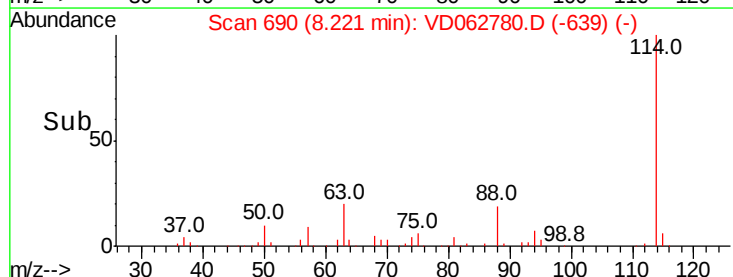
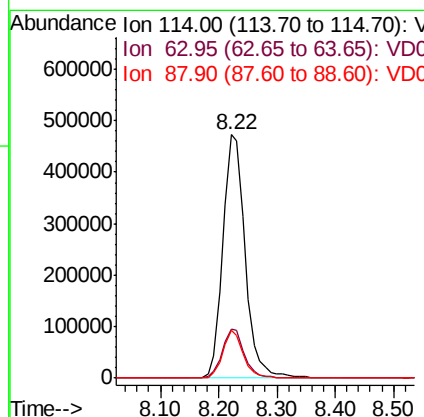
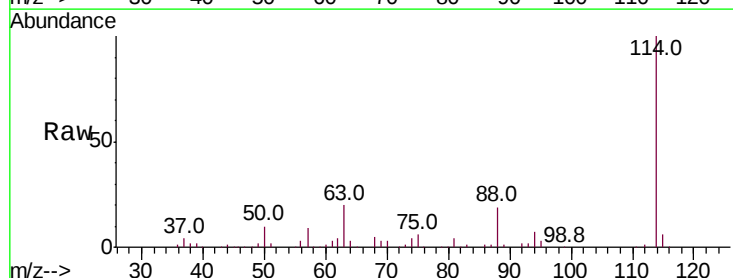
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

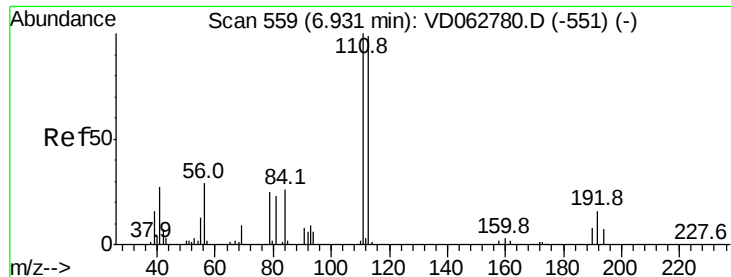
Tot Ion: 65 Resp: 479234
 Ion Ratio Lower Upper
 65 100
 67 43.7 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

Tgt Ion: 114 Resp: 1253603
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 19.4 0.0 38.8





#35

Dibromofluoromethane

Concen: 45.815 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

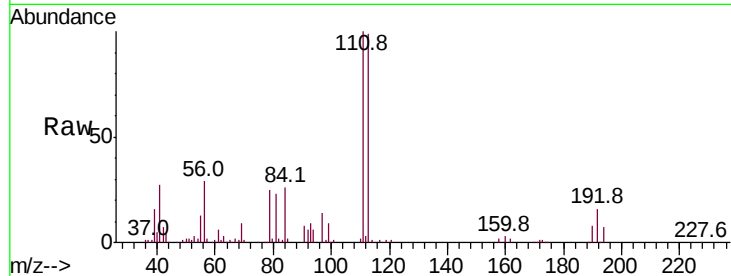
Tot Ion:113 Resp: 484281

Ion Ratio Lower Upper

113 100

111 101.5 81.2 121.8

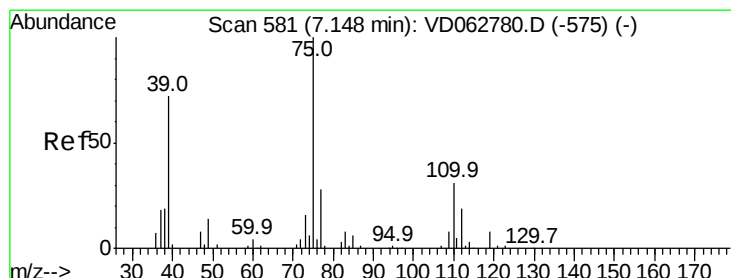
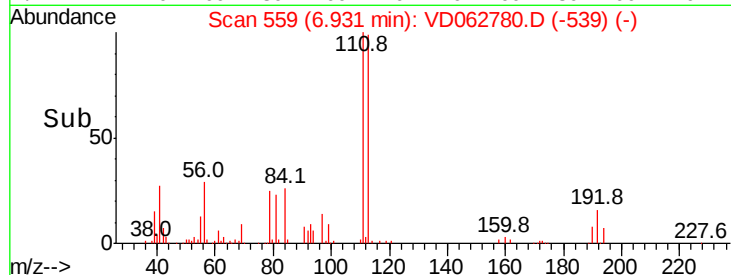
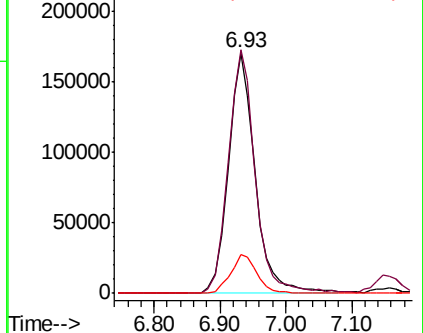
192 16.1 12.9 19.3



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: 51.908 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

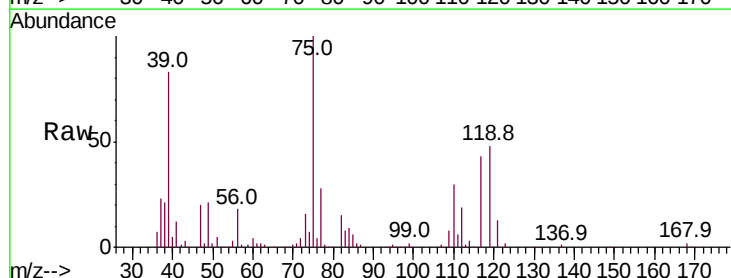
Tgt Ion: 75 Resp: 615997

Ion Ratio Lower Upper

75 100

110 30.1 15.0 45.1

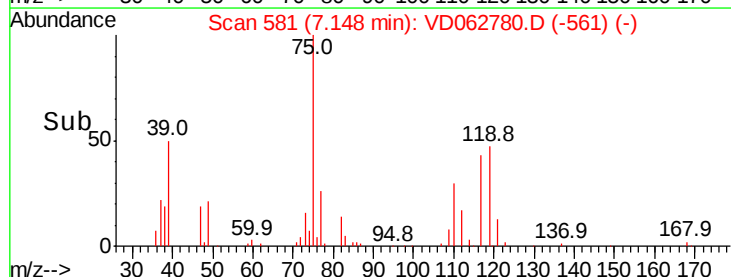
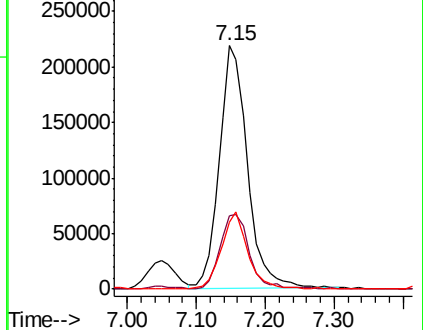
77 27.7 22.2 33.2

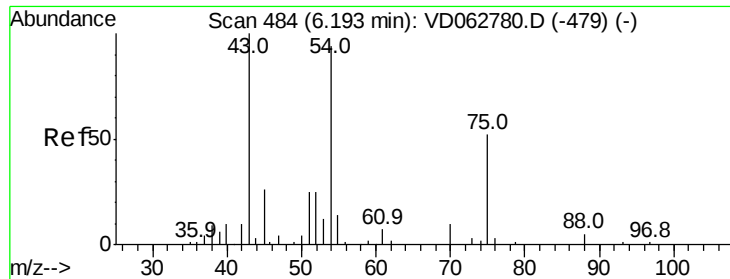


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

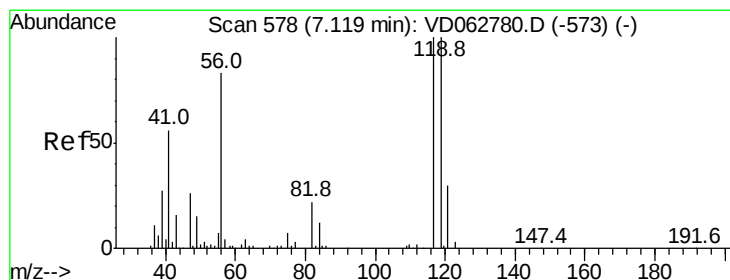
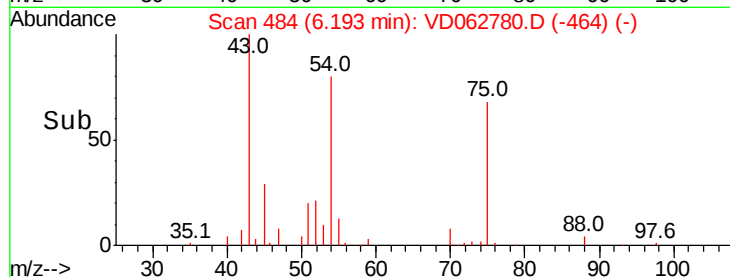
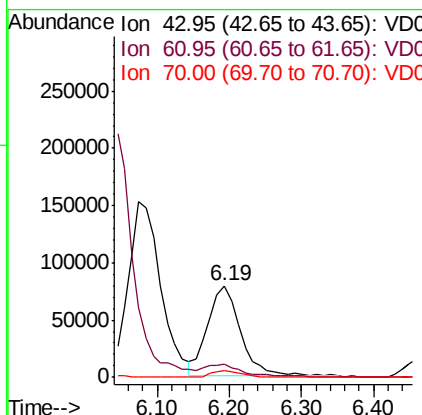
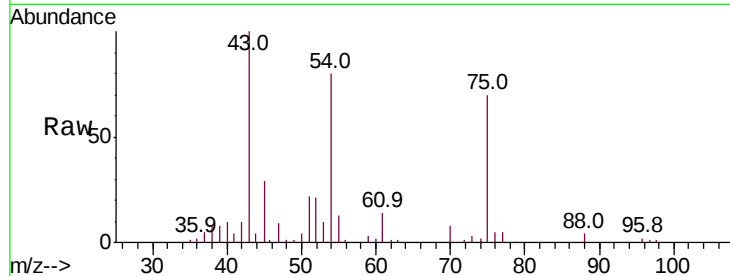




#37
Ethyl Acetate
Concen: 45.796 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

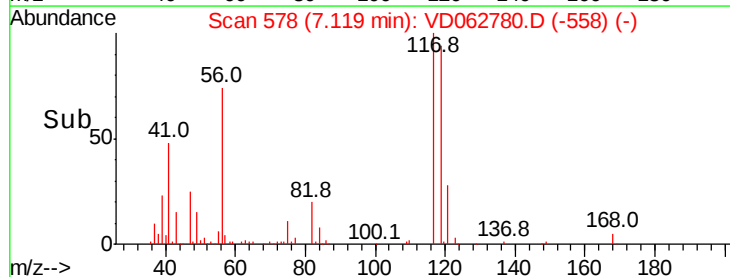
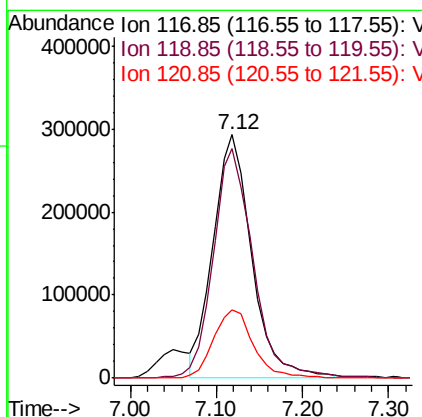
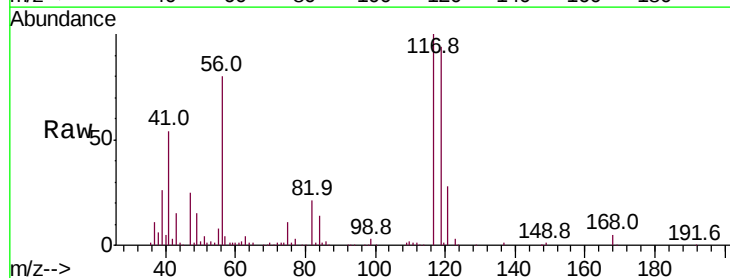
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

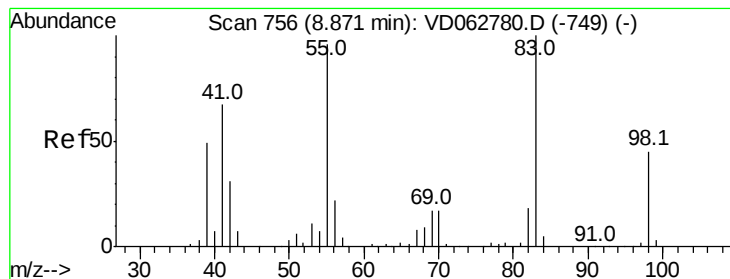
Tot Ion: 43 Resp: 248882
Ion Ratio Lower Upper
43 100
61 14.5 11.6 17.4
70 8.0 6.4 9.6



#38
Carbon Tetrachloride
Concen: 50.181 ug/l m
RT: 7.12 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion: 117 Resp: 912035
Ion Ratio Lower Upper
117 100
119 94.3 75.4 113.2
121 27.9 22.3 33.5





#39

Methvlcvclohexane

Concen: 51.551 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

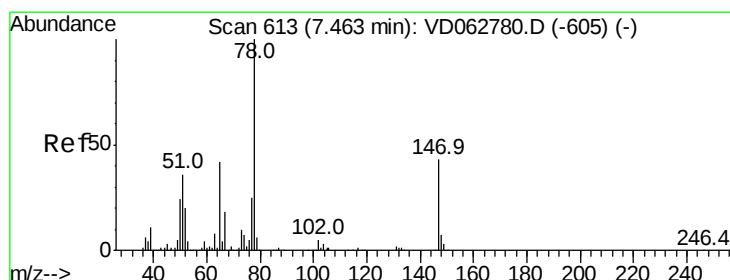
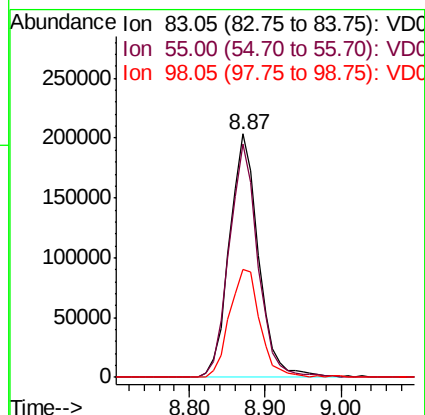
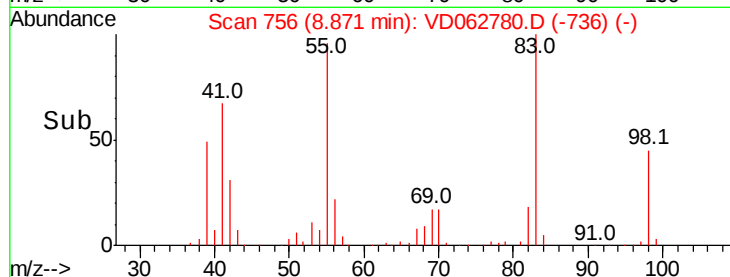
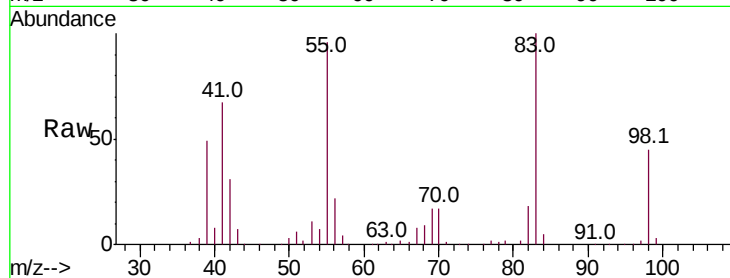
Tot Ion: 83 Resp: 538496

Ion Ratio Lower Upper

83 100

55 95.8 76.6 115.0

98 44.6 35.7 53.5



#40

Benzene

Concen: 51.576 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD062780.D

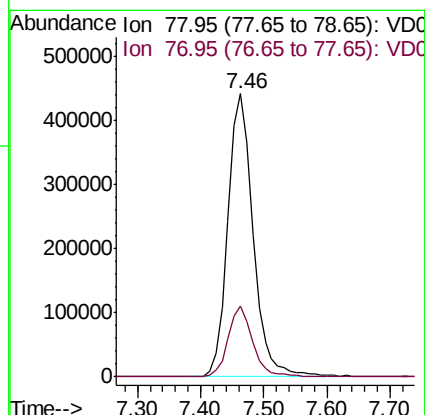
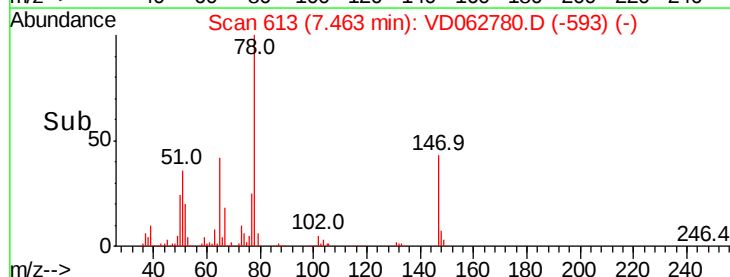
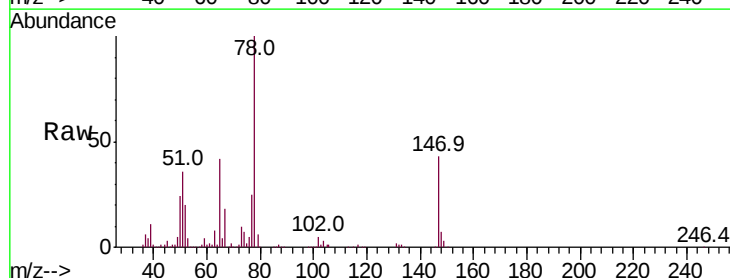
Acq: 19 Jun 2019 15:40

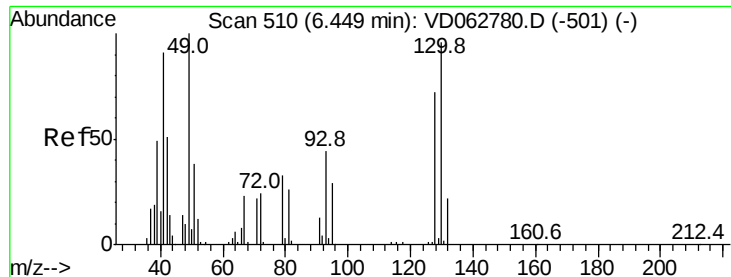
Tgt Ion: 78 Resp: 1228584

Ion Ratio Lower Upper

78 100

77 25.2 20.2 30.2





#41

Methacrylonitrile

Concen: 50.431 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 315613

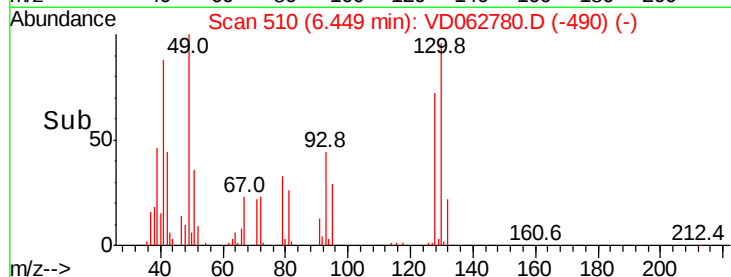
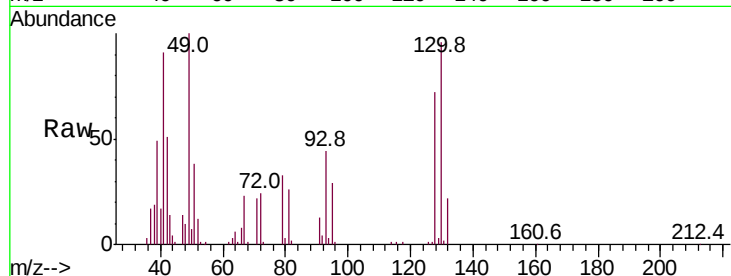
Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.2	64.8
67	24.9	19.9	29.9
52	12.8	10.2	15.4

41 100

39 54.0 43.2 64.8

67 24.9 19.9 29.9

52 12.8 10.2 15.4

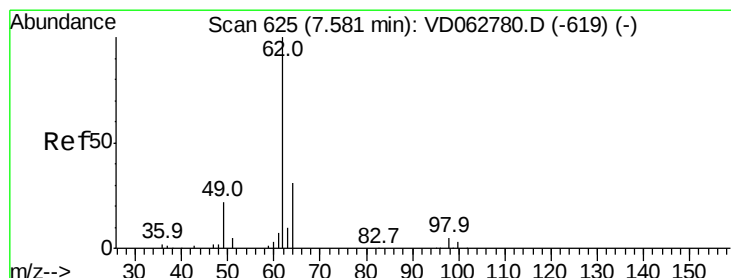
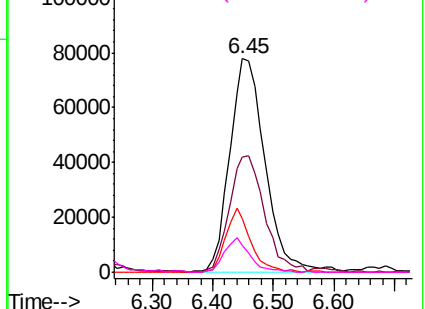


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 52.442 ug/l

RT: 7.58 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD062780.D

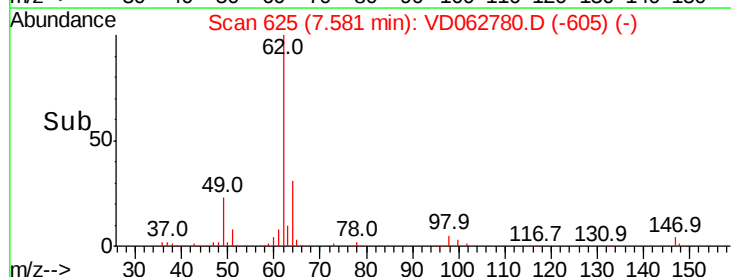
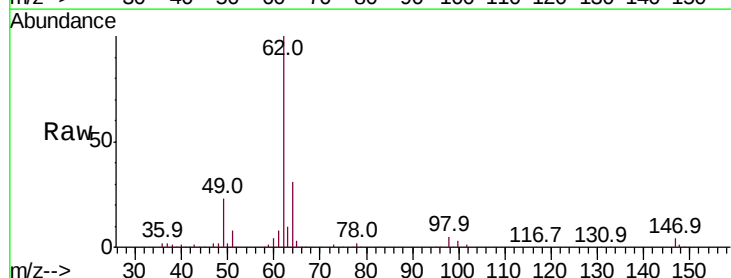
Acq: 19 Jun 2019 15:40

Tgt Ion: 62 Resp: 681474

Ion	Ratio	Lower	Upper
62	100		
98	5.0	0.0	10.0

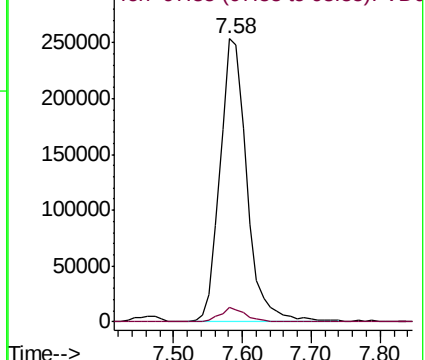
62 100

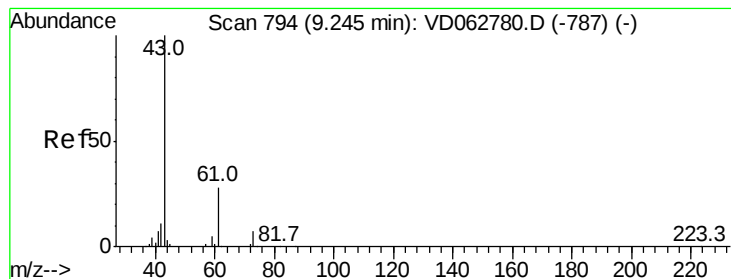
98 5.0 0.0 10.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



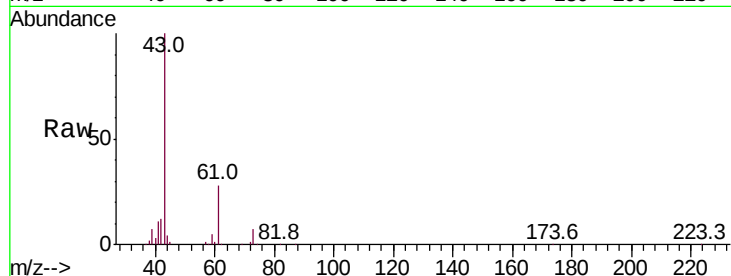


#43

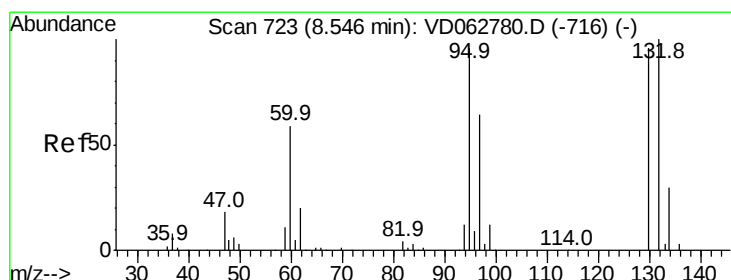
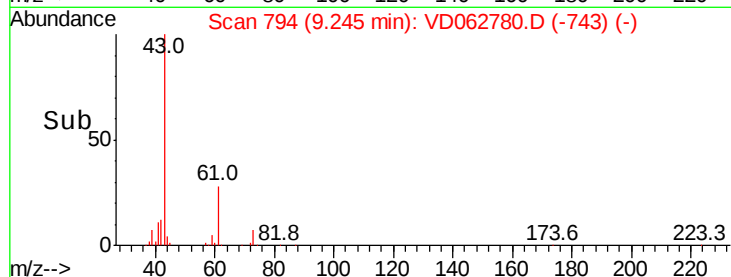
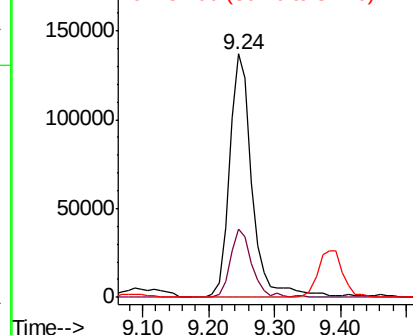
Isopropyl Acetate
 Concen: 53.065 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 330145
 Ion Ratio Lower Upper
 43 100
 61 28.0 22.4 33.6
 87 0.4 0.3 0.5



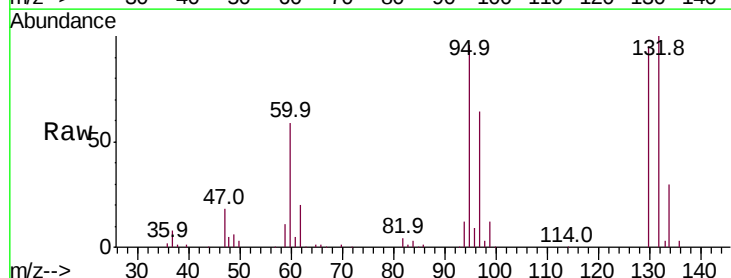
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



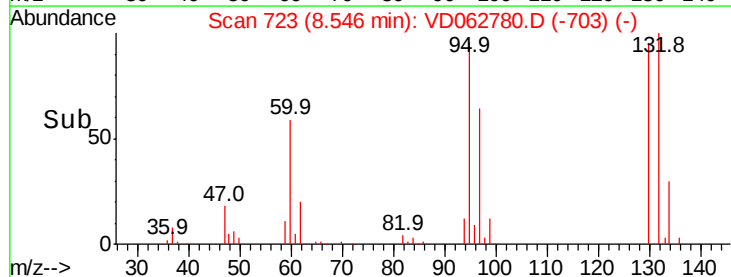
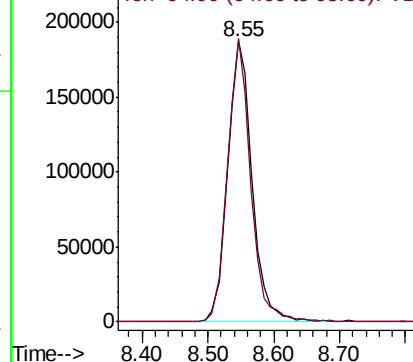
#44

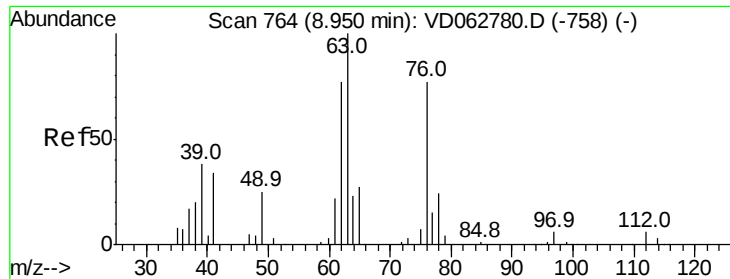
Trichloroethene
 Concen: 52.037 ug/l
 RT: 8.55 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

Tgt Ion: 130 Resp: 485969
 Ion Ratio Lower Upper
 130 100
 95 100.8 0.0 201.6



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

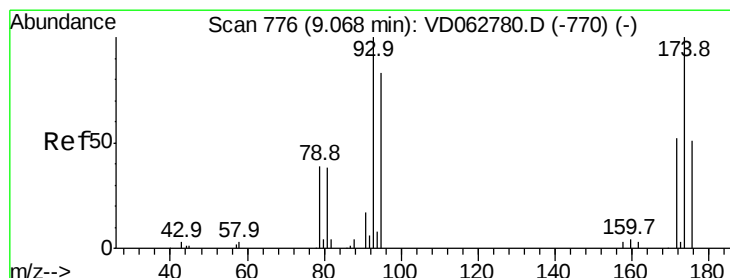
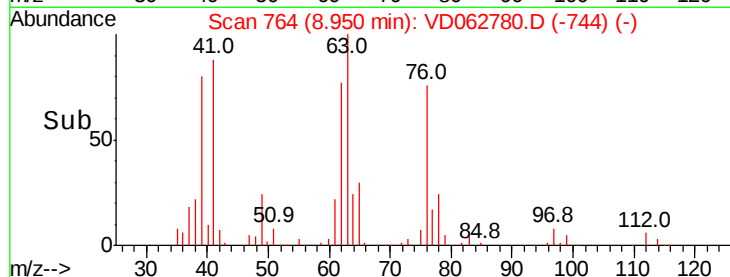
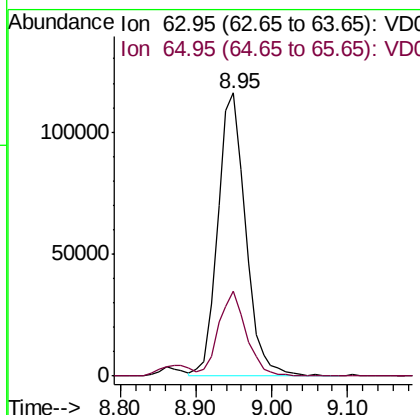
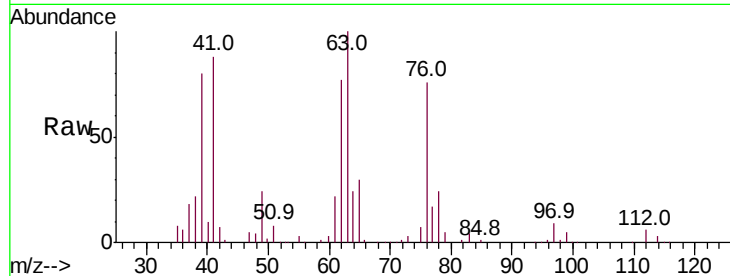




#45
 1,2-Dichloropropane
 Concen: 50.166 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

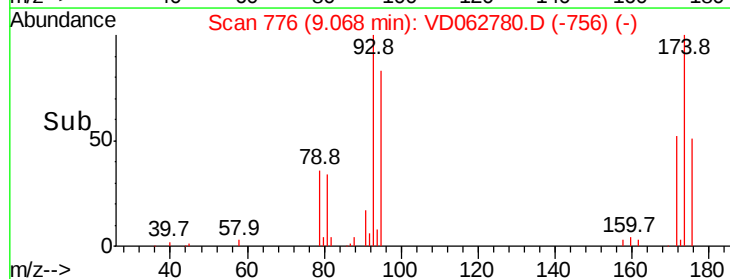
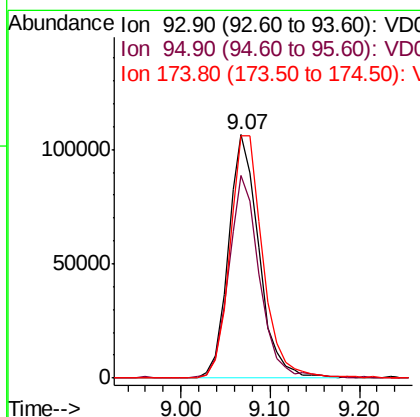
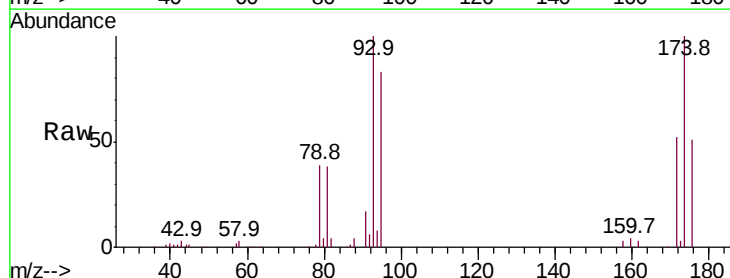
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

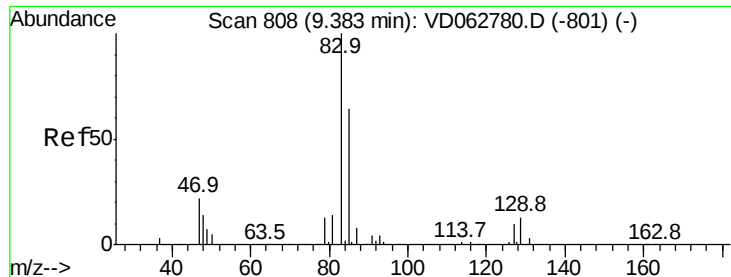
Tot Ion: 63 Resp: 297148
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.2 36.2



#46
 Dibromomethane
 Concen: 50.136 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

Tgt Ion: 93 Resp: 255097
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 99.6 79.7 119.5





#47

Bromodichloromethane

Concen: 54.023 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

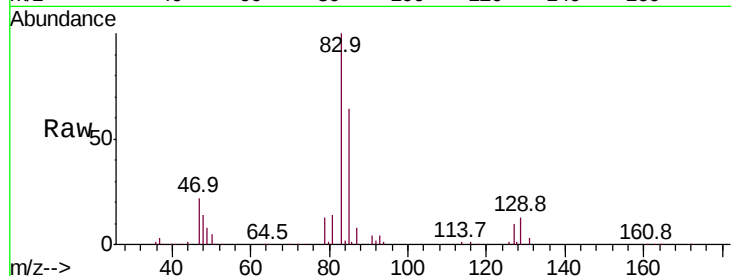
Tot Ion: 83 Resp: 713886

Ion Ratio Lower Upper

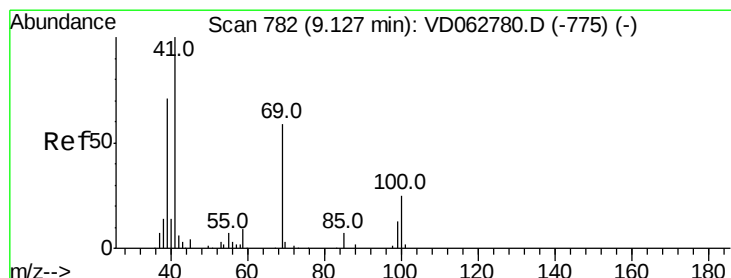
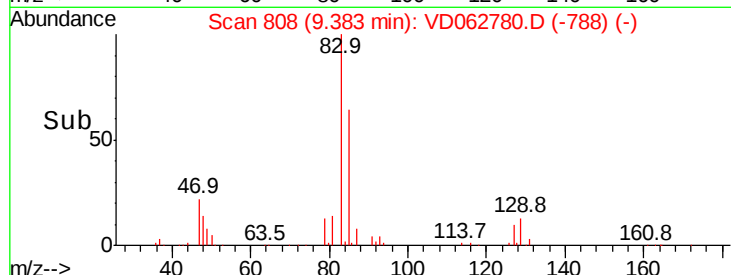
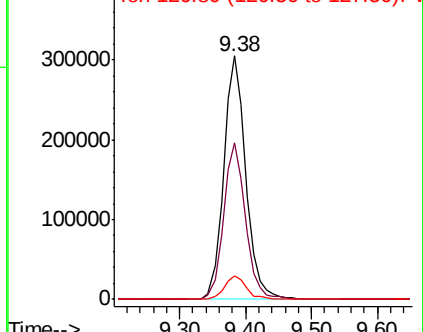
83 100

85 64.5 51.6 77.4

127 9.7 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: 48.790 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

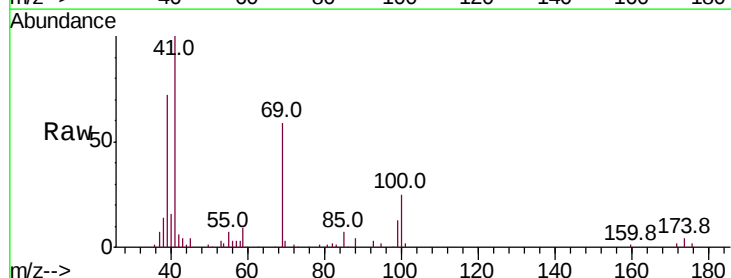
Tgt Ion: 41 Resp: 215713

Ion Ratio Lower Upper

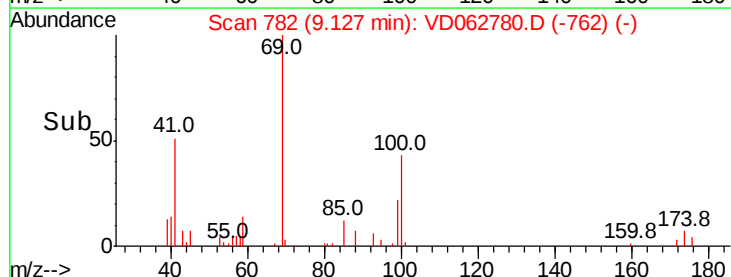
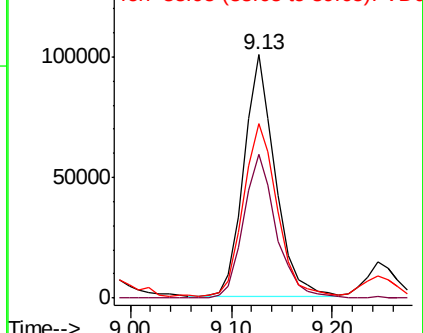
41 100

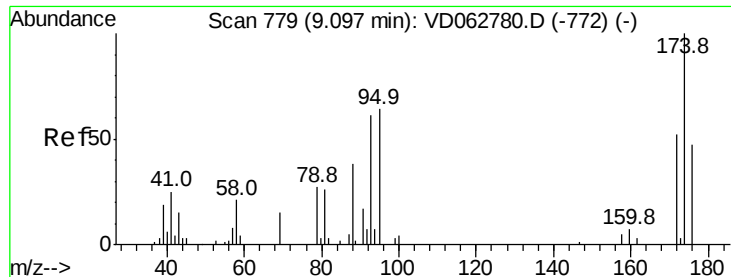
69 59.0 47.2 70.8

39 71.8 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: 1006.146 ug/l

RT: 9.10 min Scan# 779

Delta R.T. 0.00 min

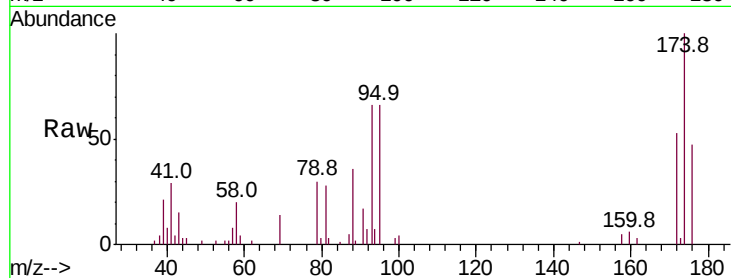
Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

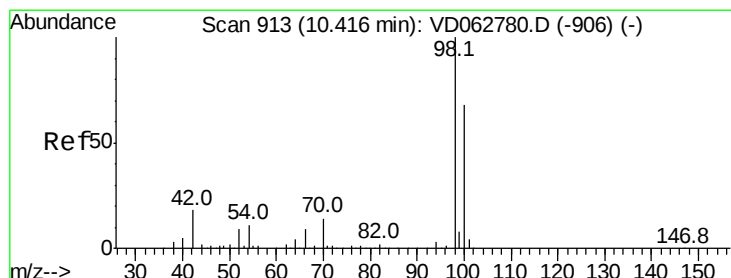
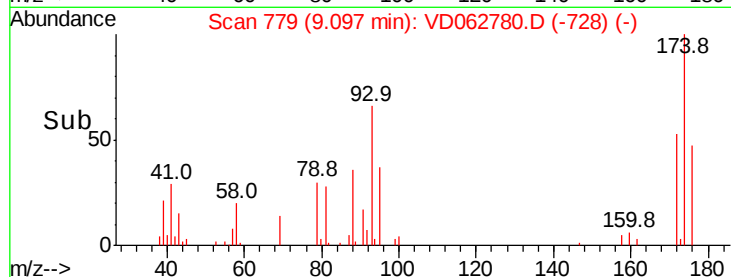
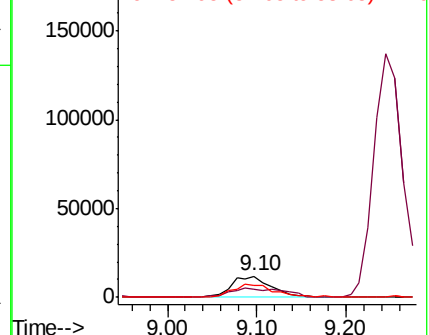
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 37009

Ion	Ratio	Lower	Upper
88	100		
43	40.1	32.1	48.1
58	55.1	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: 49.218 ug/l

RT: 10.42 min Scan# 913

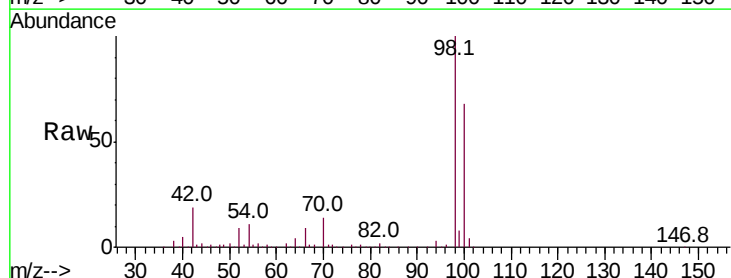
Delta R.T. 0.00 min

Lab File: VD062780.D

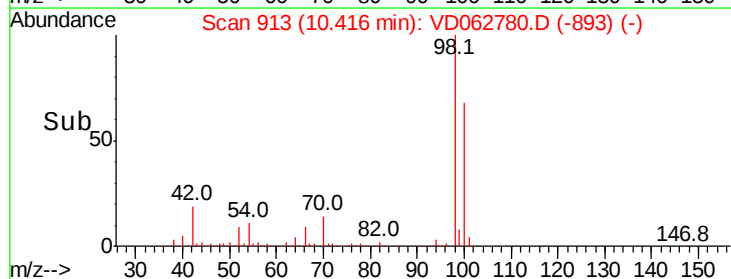
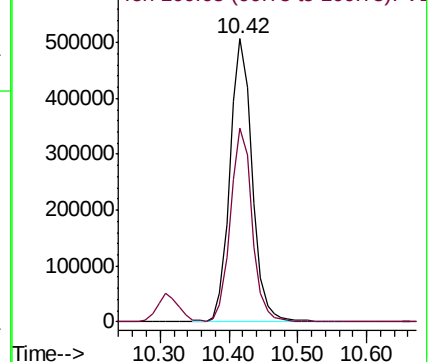
Acq: 19 Jun 2019 15:40

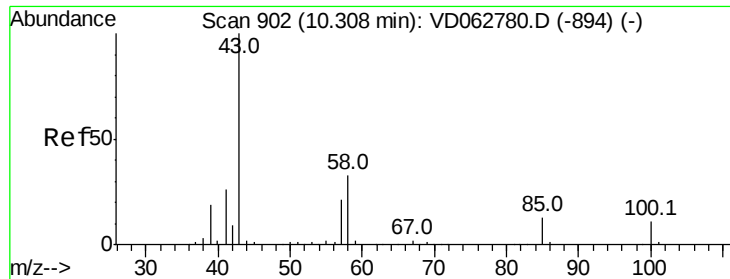
Tgt Ion: 98 Resp: 1132303

Ion	Ratio	Lower	Upper
98	100		
100	68.4	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: 248.256 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

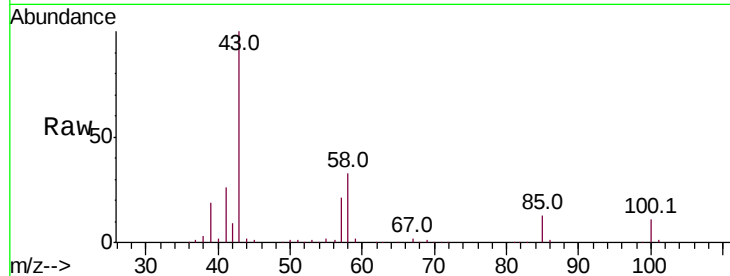
VSTDICCC050

Tot Ion: 43 Resp: 1095064

Ion Ratio Lower Upper

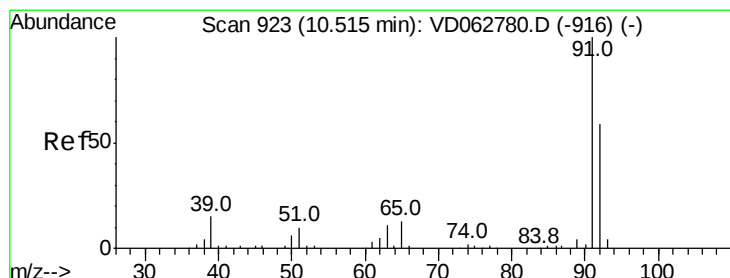
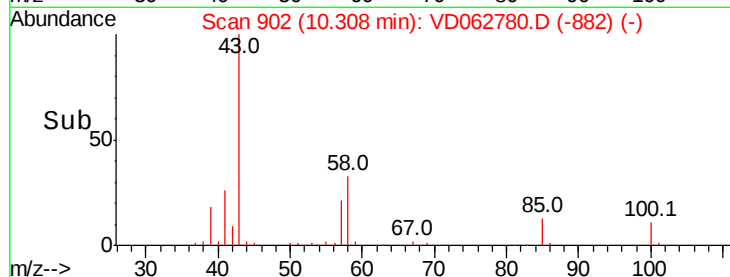
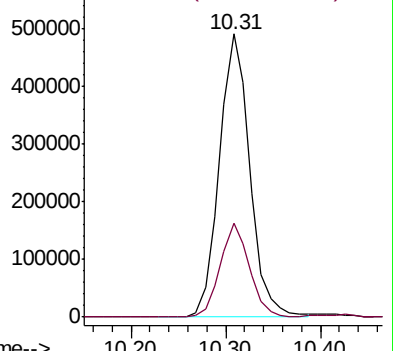
43 100

58 33.3 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.719 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062780.D

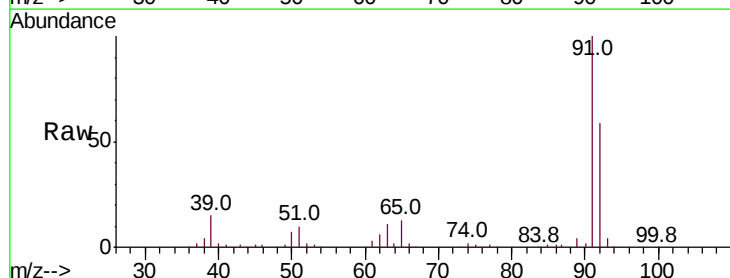
Acq: 19 Jun 2019 15:40

Tgt Ion: 92 Resp: 828153

Ion Ratio Lower Upper

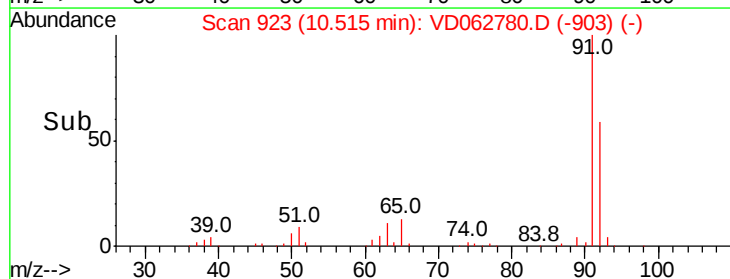
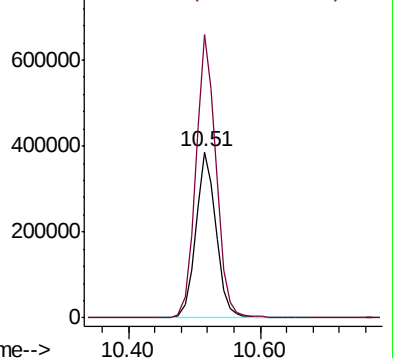
92 100

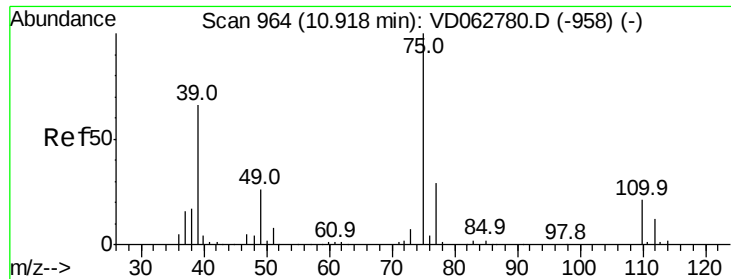
91 170.4 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 51.008 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

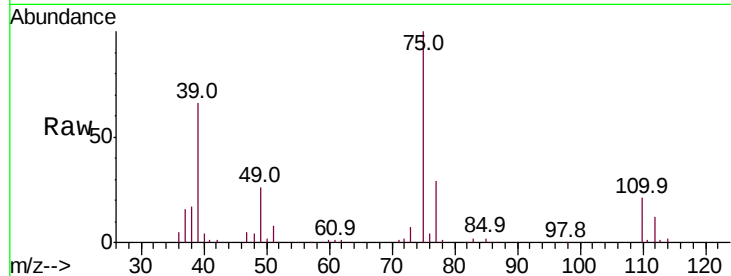
VSTDICCC050

Tot Ion: 75 Resp: 551697

Ion Ratio Lower Upper

75 100

77 29.0 23.2 34.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

250000

200000

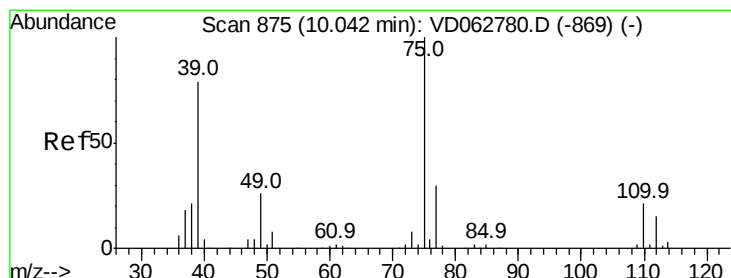
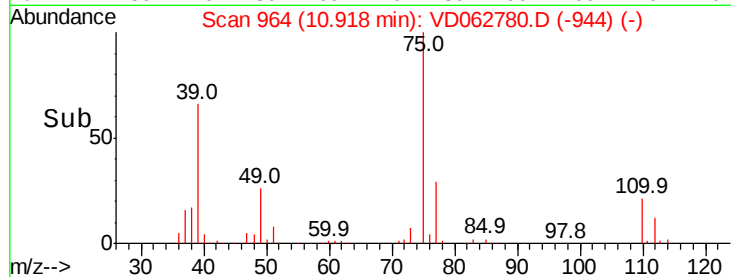
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.815 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

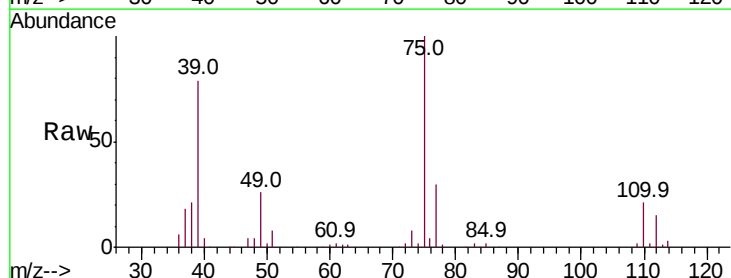
Tgt Ion: 75 Resp: 609127

Ion Ratio Lower Upper

75 100

77 30.2 24.2 36.2

39 79.4 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

10.04

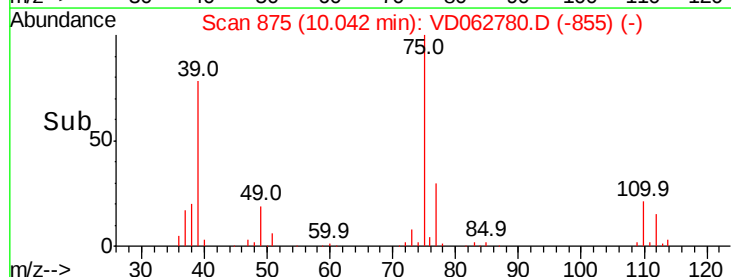
300000

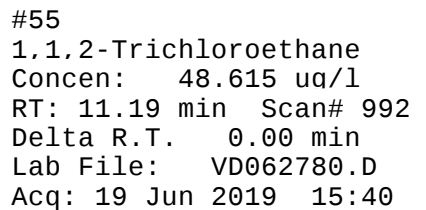
200000

100000

0

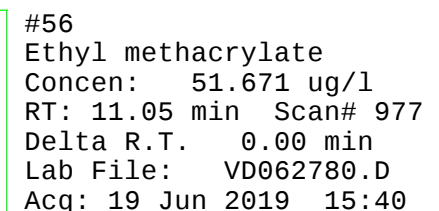
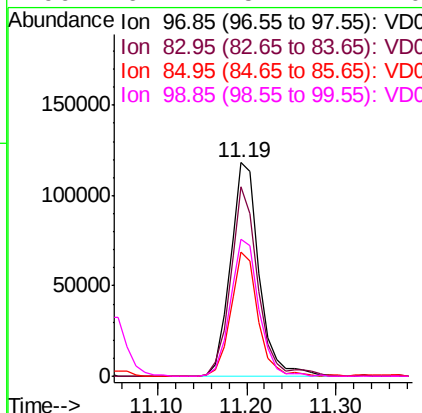
Time-->



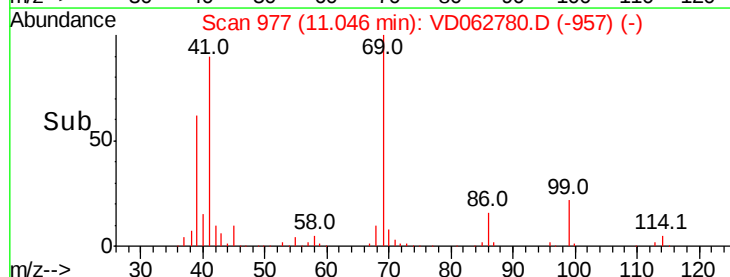
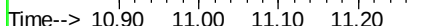
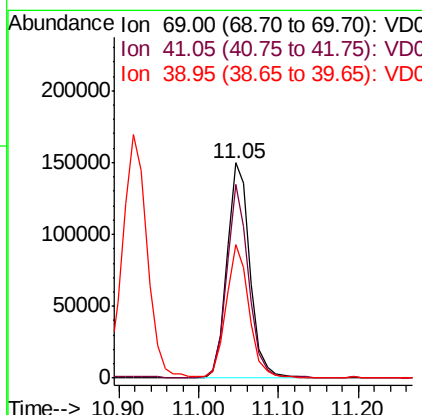


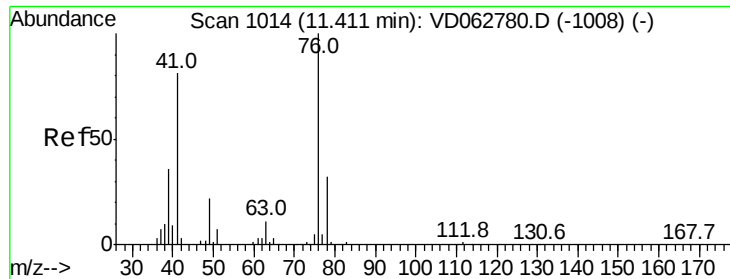
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tat	Ion: 97	Resp:	267445
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.0	106.4
85	58.2	46.6	69.8
99	64.2	51.4	77.0



Tgt	Ion: 69	Resp:	303780
Ion	Ratio	Lower	Upper
69	100		
41	90.0	72.0	108.0
39	61.9	49.5	74.3





#57

1,3-Dichloropropane

Concen: 51.210 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

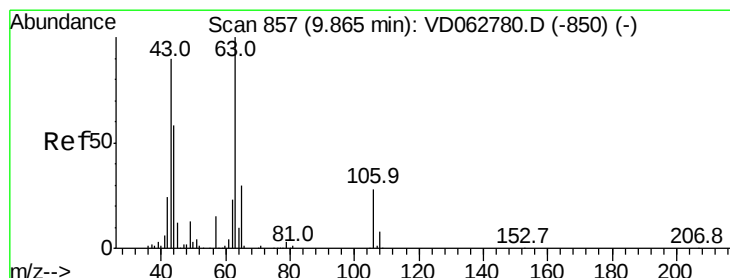
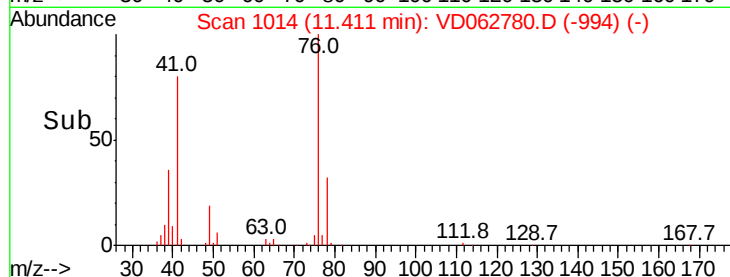
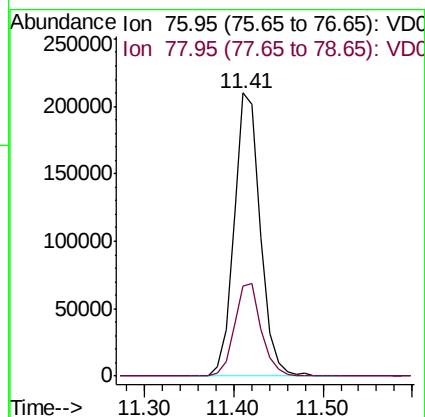
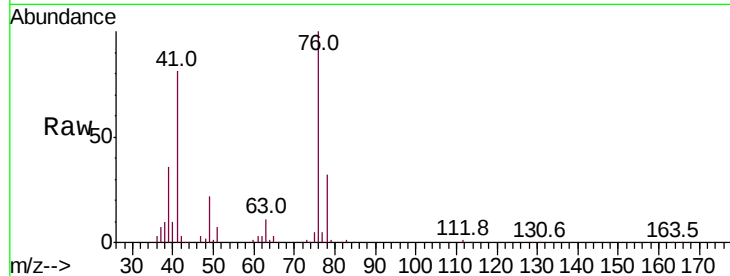
VSTDICCC050

Tot Ion: 76 Resp: 431356

Ion Ratio Lower Upper

76 100

78 31.7 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 247.032 ug/l

RT: 9.87 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD062780.D

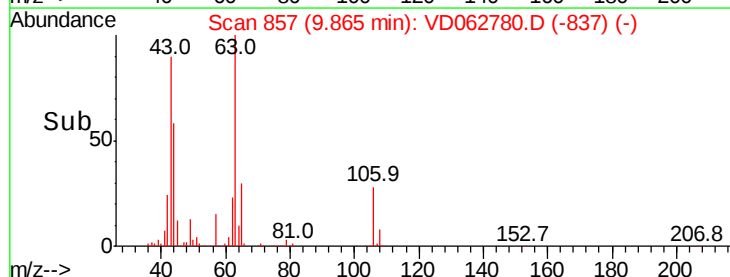
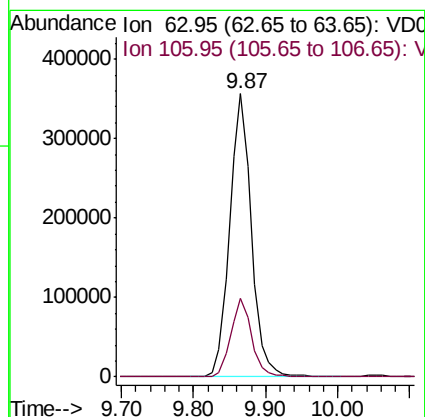
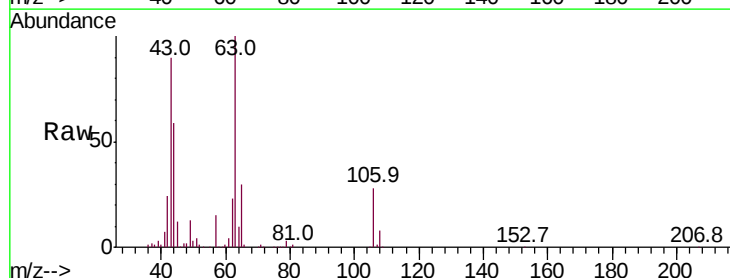
Acq: 19 Jun 2019 15:40

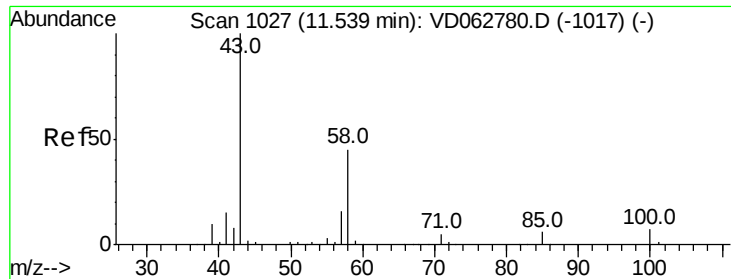
Tgt Ion: 63 Resp: 745609

Ion Ratio Lower Upper

63 100

106 27.6 22.1 33.1

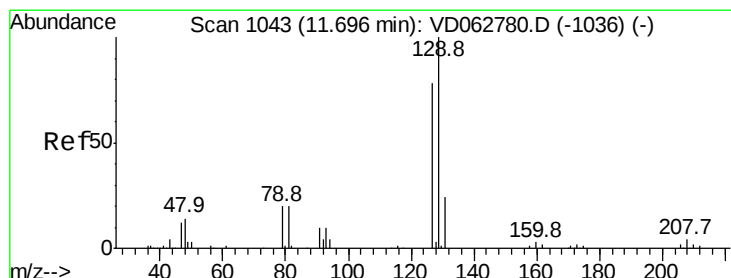
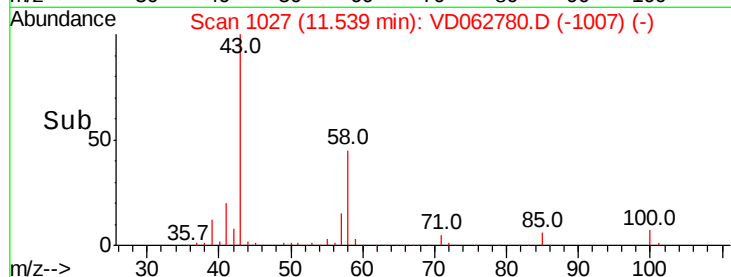
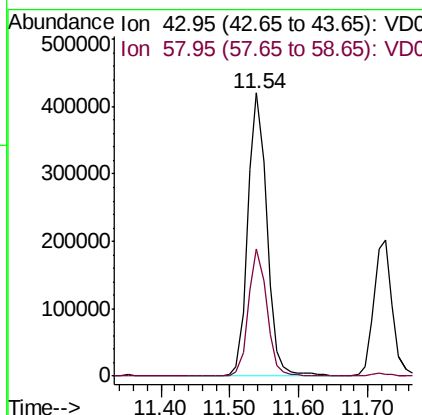
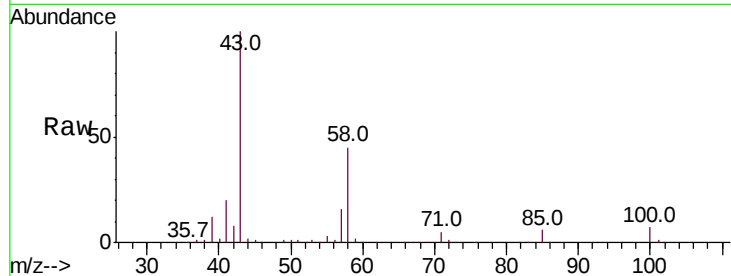




#59
2-Hexanone
Concen: 257.764 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

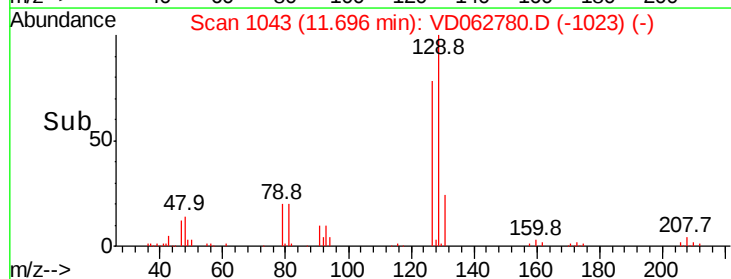
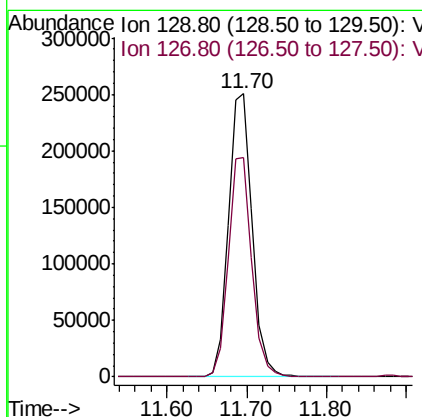
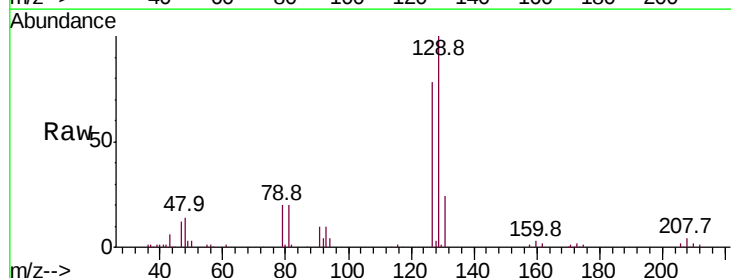
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

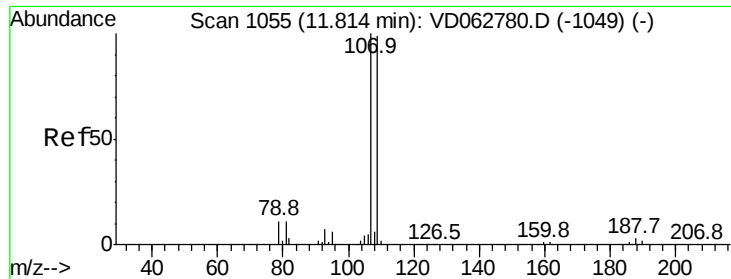
Tot Ion: 43 Resp: 809762
Ion Ratio Lower Upper
43 100
58 44.8 22.4 67.2



#60
Dibromochloromethane
Concen: 50.982 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion: 129 Resp: 522409
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6

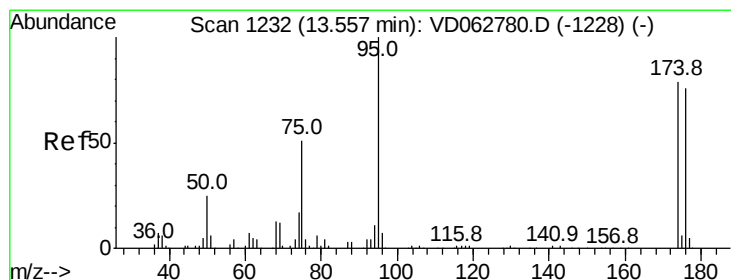
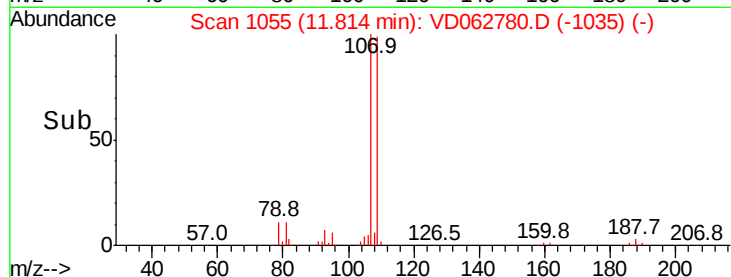
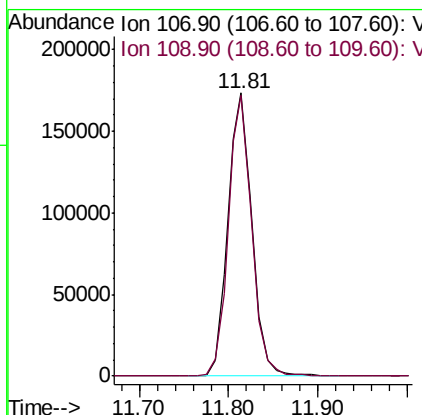
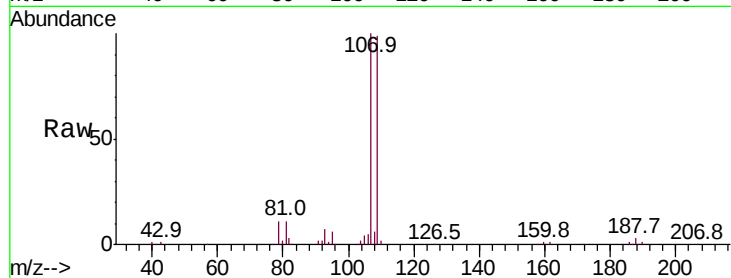




#61
 1,2-Dibromoethane
 Concen: 50.799 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

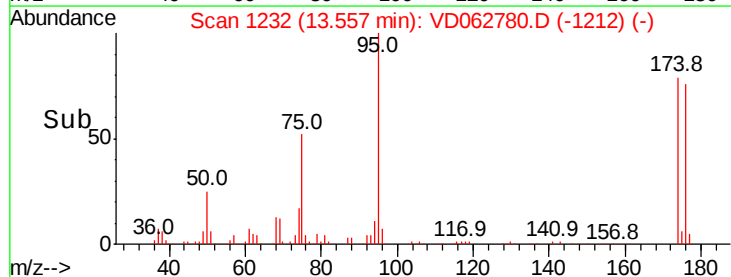
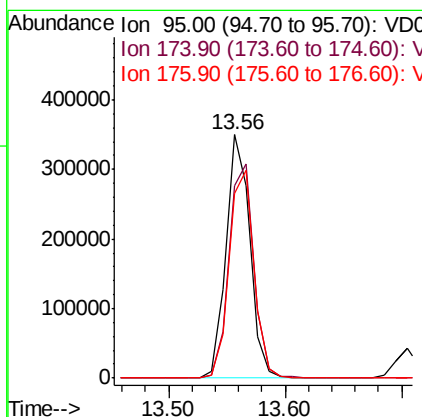
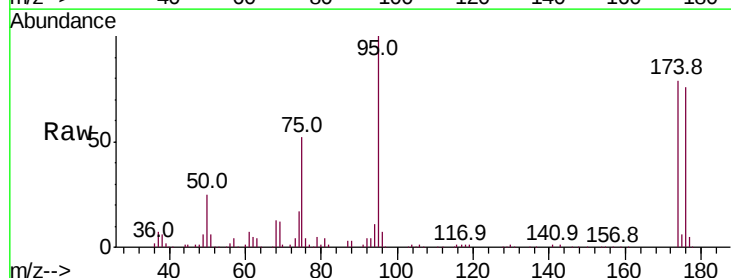
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

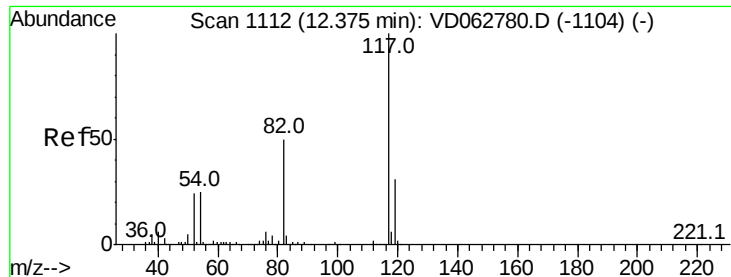
Tot Ion:107 Resp: 330059
 Ion Ratio Lower Upper
 107 100
 109 99.1 79.3 118.9



#62
 4-Bromofluorobenzene
 Concen: 47.390 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

Tgt Ion: 95 Resp: 495747
 Ion Ratio Lower Upper
 95 100
 174 79.0 0.0 158.0
 176 75.8 0.0 151.6

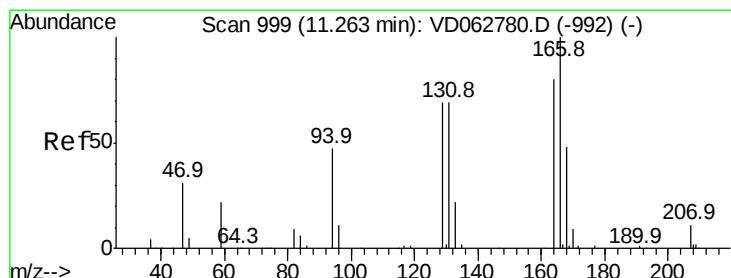
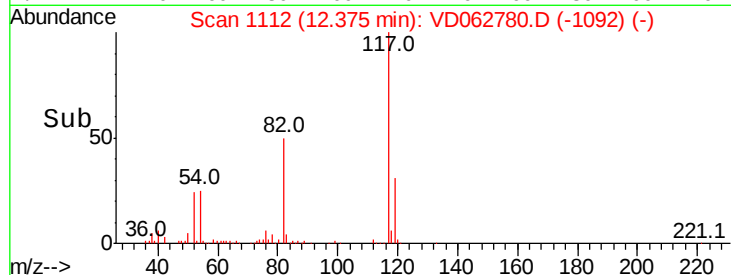
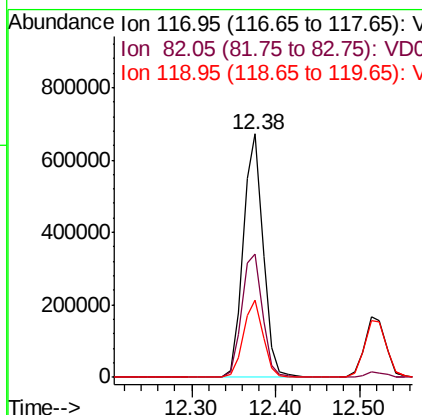
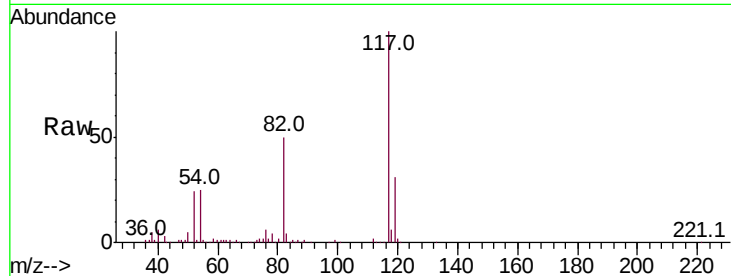




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

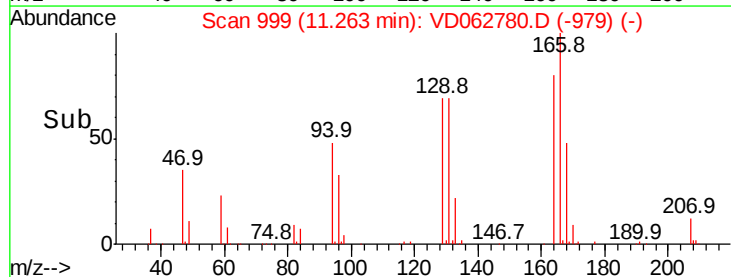
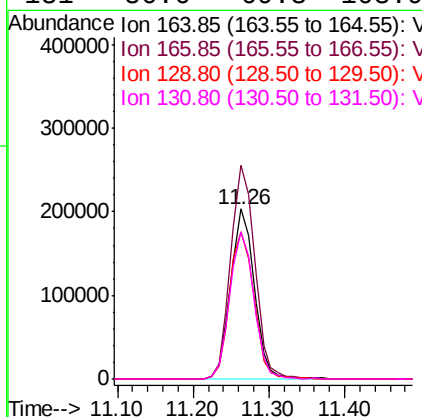
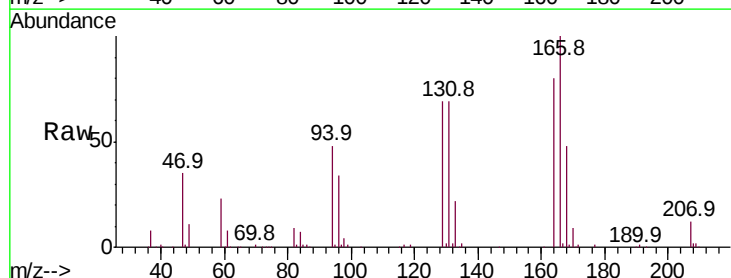
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

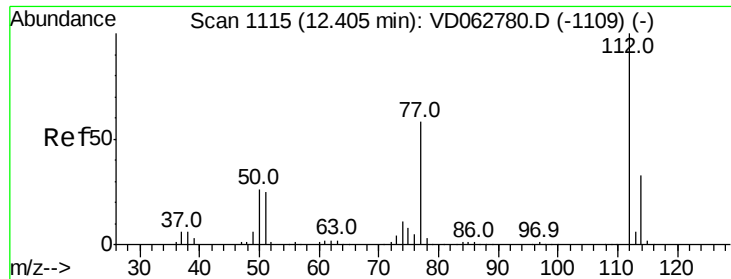
Tot Ion:117 Resp: 1107489
Ion Ratio Lower Upper
117 100
82 50.5 40.4 60.6
119 31.5 25.2 37.8



#64
Tetrachloroethene
Concen: 48.451 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion:164 Resp: 441628
Ion Ratio Lower Upper
164 100
166 125.7 100.6 150.8
129 86.7 69.4 104.0
131 86.6 69.3 103.9

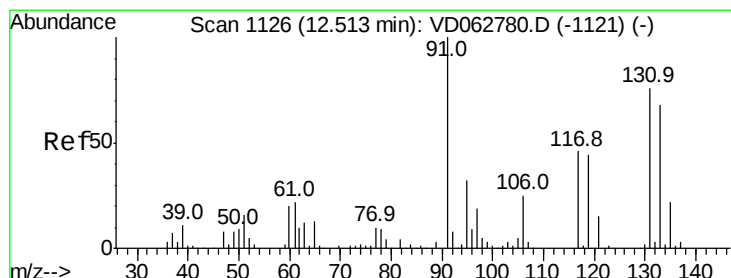
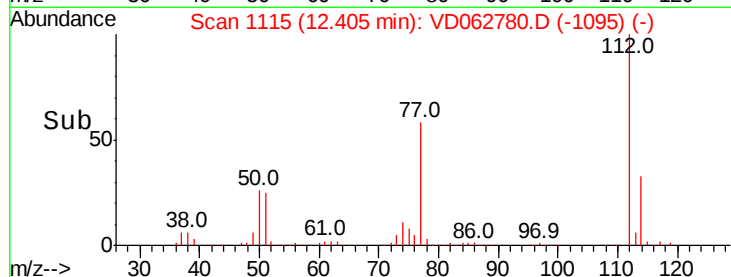
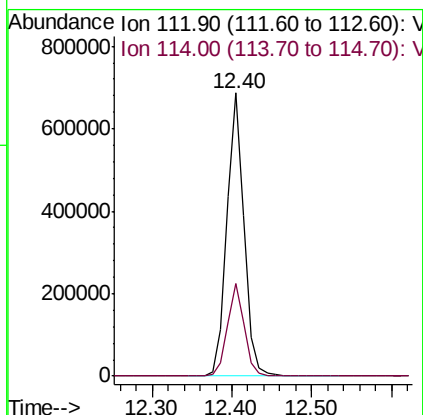
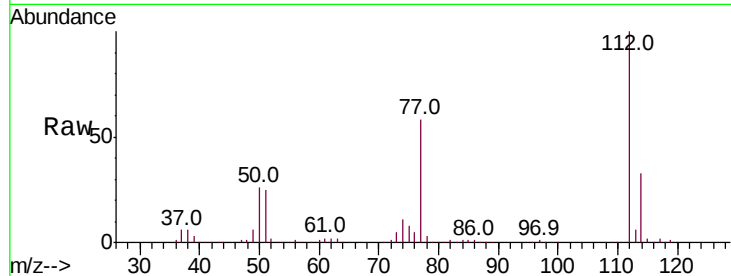




#65
Chlorobenzene
Concen: 50.939 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

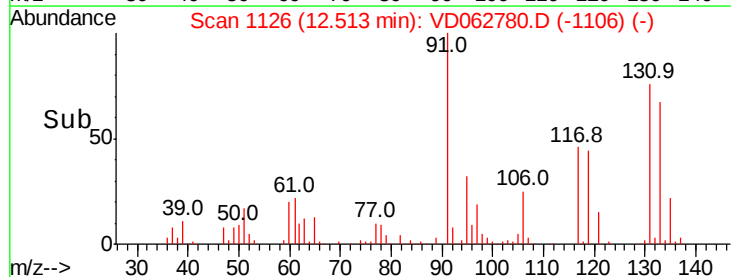
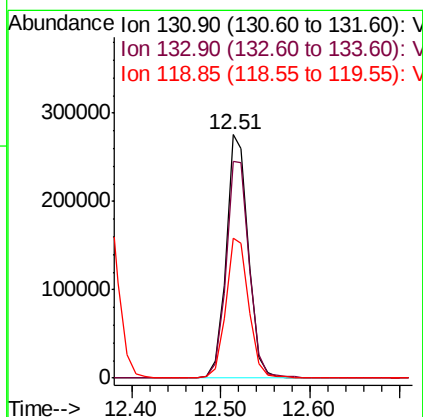
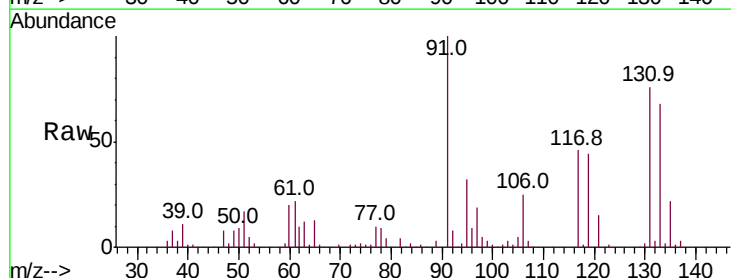
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

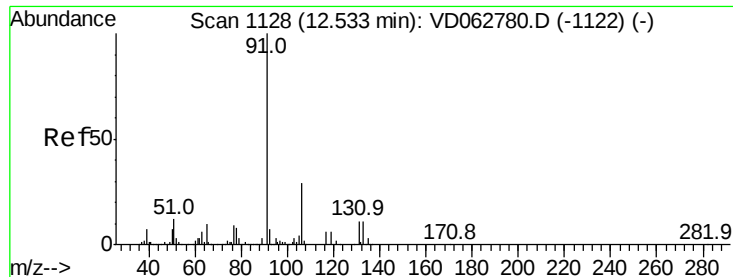
Tot Ion:112 Resp: 1046998
Ion Ratio Lower Upper
112 100
114 32.9 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 50.282 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion:131 Resp: 483316
Ion Ratio Lower Upper
131 100
133 88.9 44.5 133.3
119 57.3 28.6 85.9

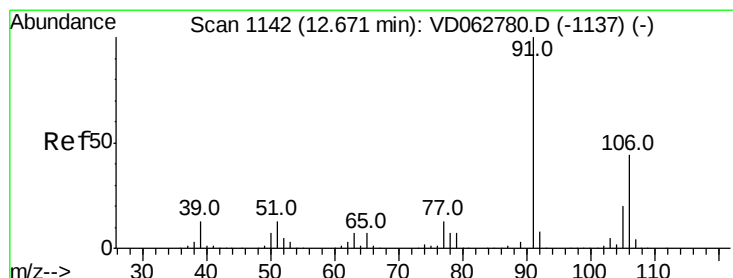
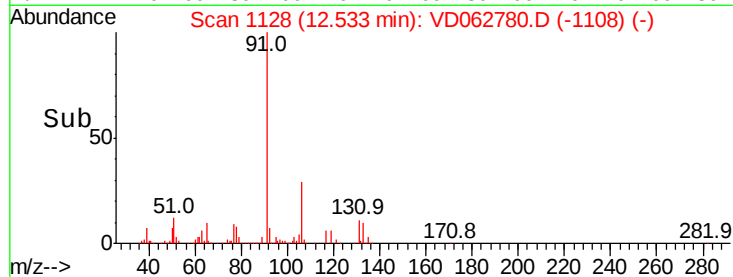
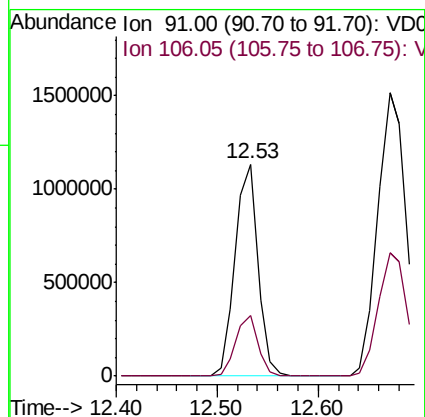
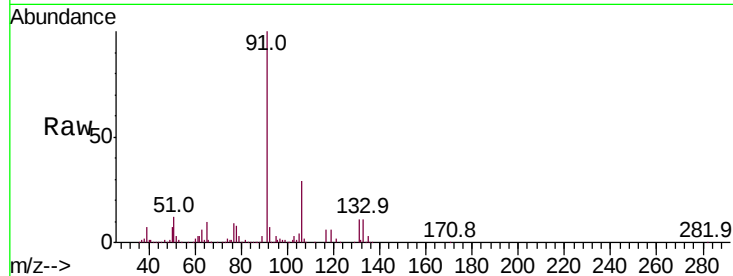




#67
Ethyl Benzene
Concen: 48.552 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

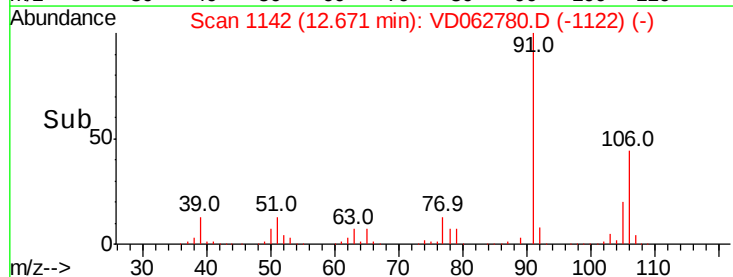
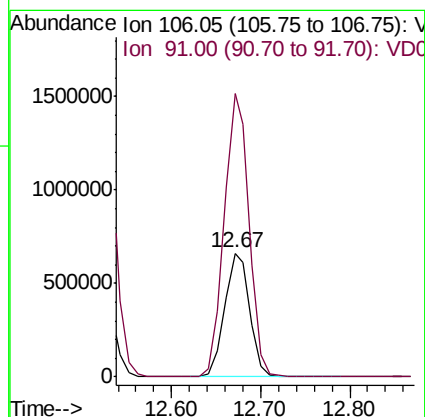
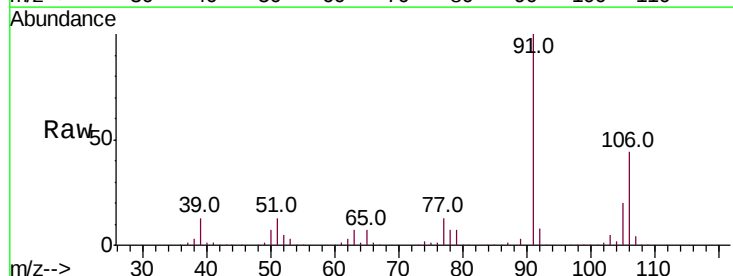
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

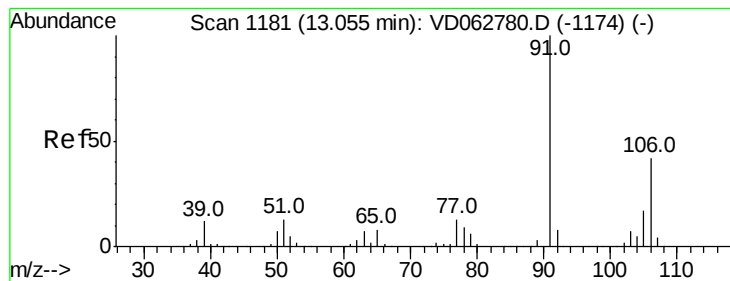
Tot Ion: 91 Resp: 1791683
Ion Ratio Lower Upper
91 100
106 28.9 23.1 34.7



#68
m/p-Xylenes
Concen: 102.051 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion: 106 Resp: 1311623
Ion Ratio Lower Upper
106 100
91 228.8 183.0 274.6





#69

o-Xylene

Concen: 52.590 ug/l

RT: 13.05 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

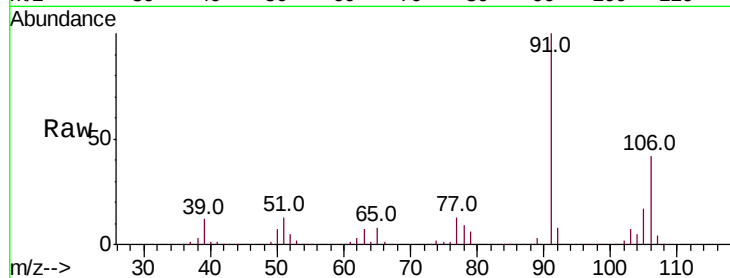
VSTDICCC050

Tot Ion:106 Resp: 617895

Ion Ratio Lower Upper

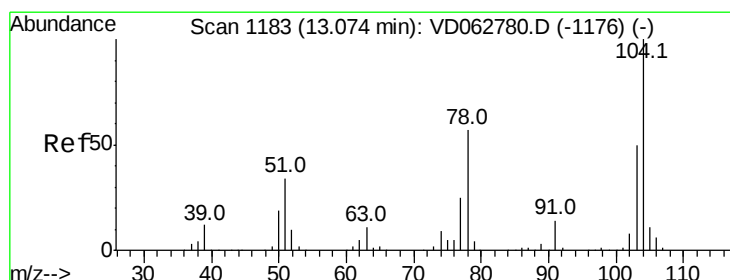
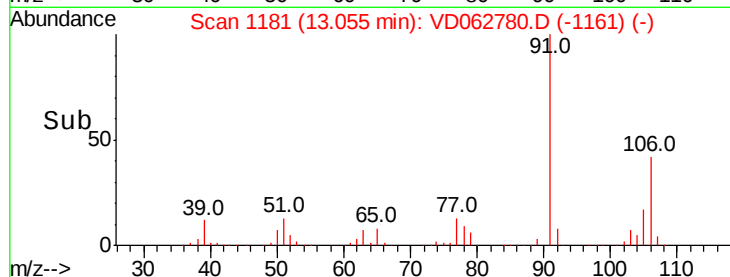
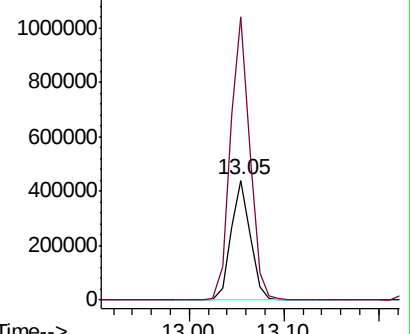
106 100

91 235.7 117.9 353.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 51.048 ug/l

RT: 13.07 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

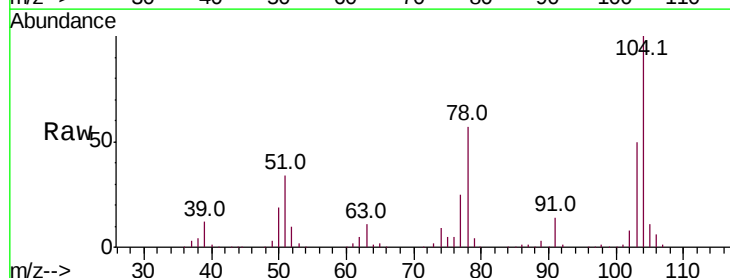
Tgt Ion:104 Resp: 1053483

Ion Ratio Lower Upper

104 100

78 56.8 45.4 68.2

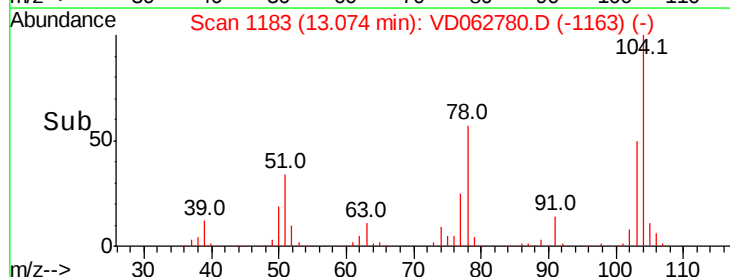
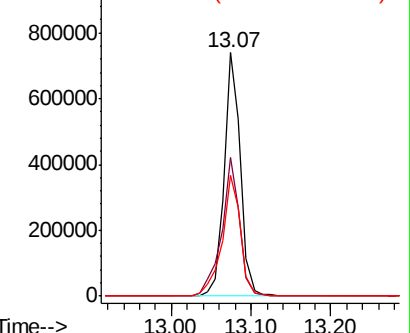
103 49.6 39.7 59.5

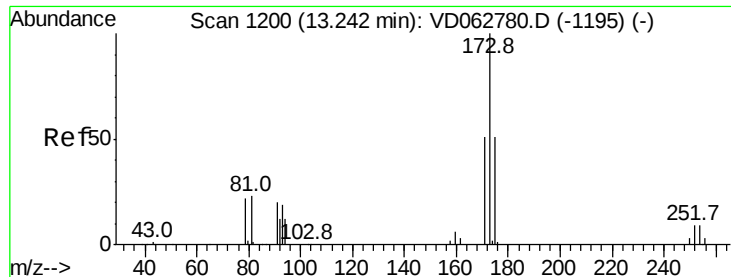


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 50.663 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

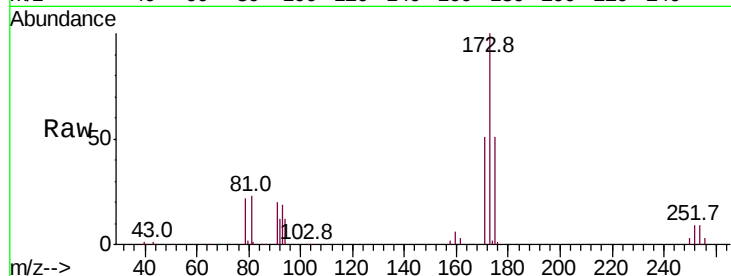
Tot Ion:173 Resp: 333649

Ion Ratio Lower Upper

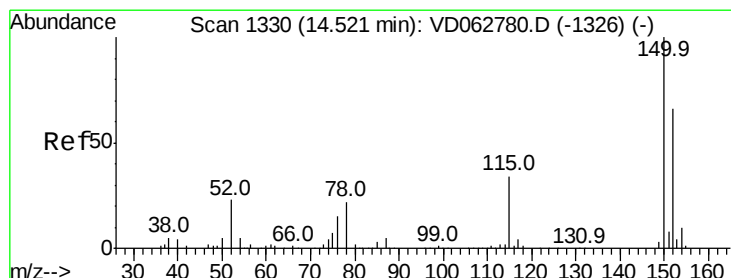
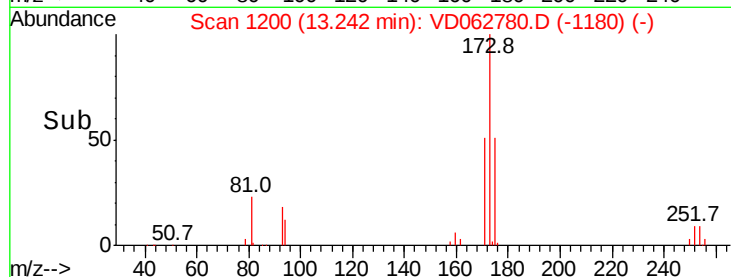
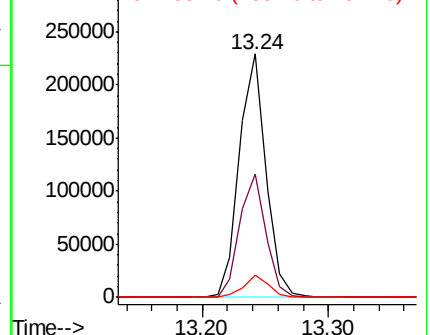
173 100

175 50.6 25.3 75.9

254 8.9 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: VD062780.D

Acq: 19 Jun 2019 15:40

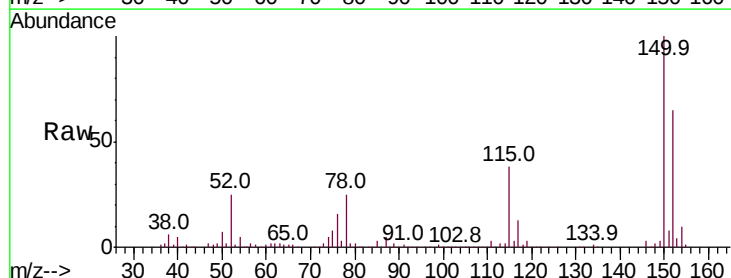
Tgt Ion:152 Resp: 592362

Ion Ratio Lower Upper

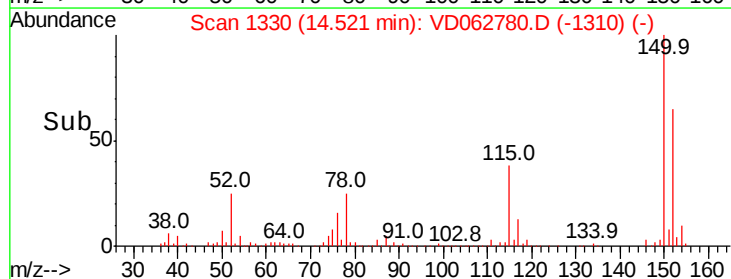
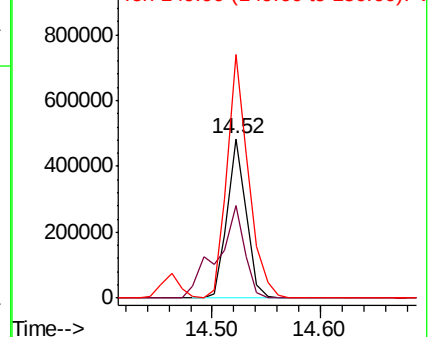
152 100

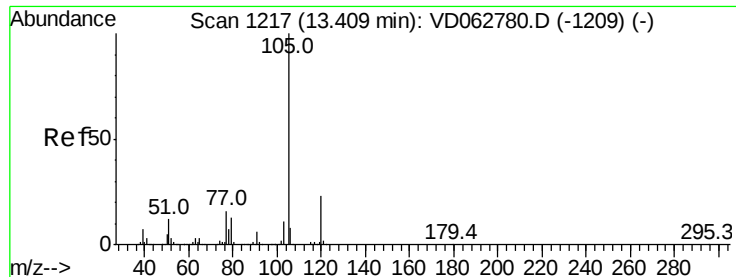
115 58.4 29.2 87.6

150 152.9 0.0 305.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.414 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

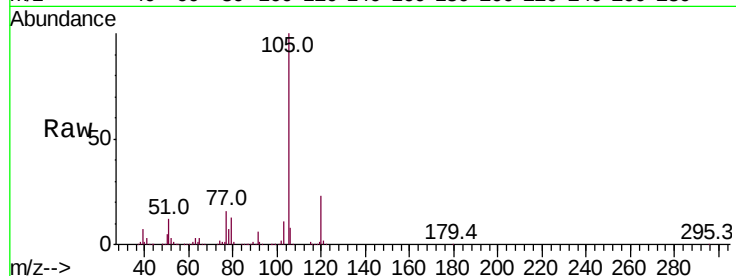
VSTDICCC050

Tot Ion:105 Resp: 1876806

Ion Ratio Lower Upper

105 100

120 23.1 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

1500000

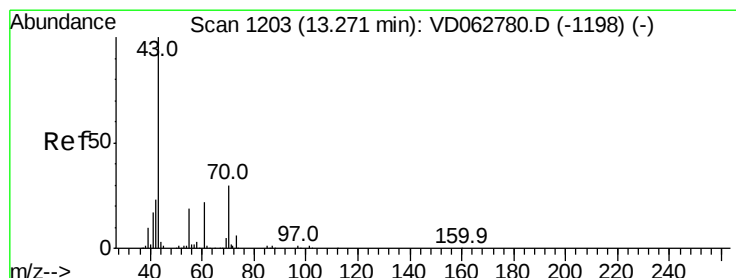
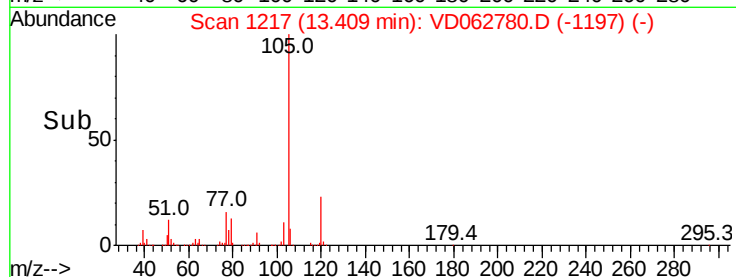
1000000

500000

0

Time-->

13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 52.797 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Tgt Ion: 43 Resp: 486980

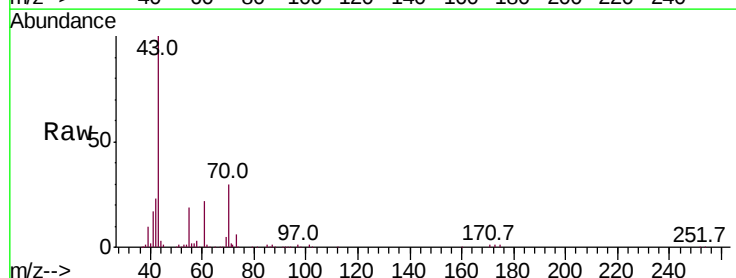
Ion Ratio Lower Upper

43 100

70 30.5 24.4 36.6

55 19.0 15.2 22.8

61 21.8 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

500000

400000

300000

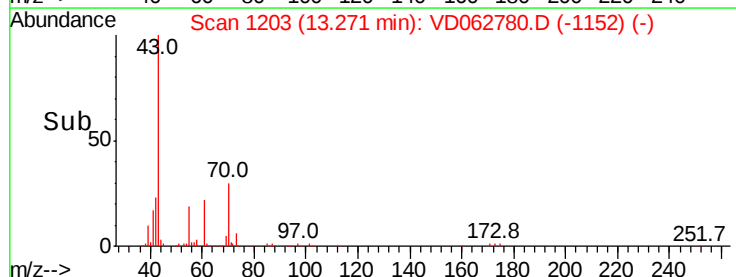
200000

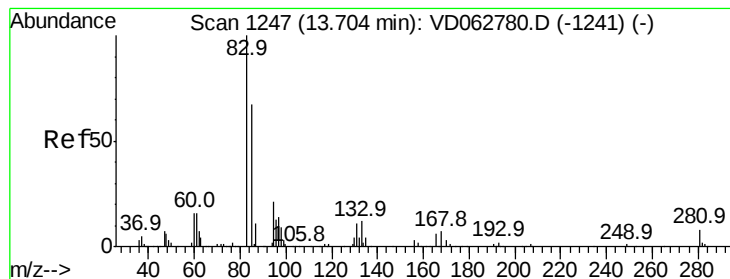
100000

0

Time-->

13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 47.351 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

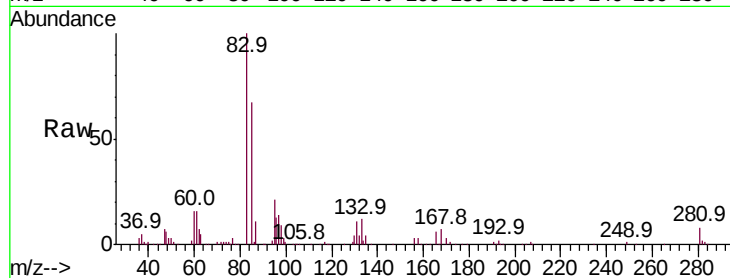
Tot Ion: 83 Resp: 293026

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

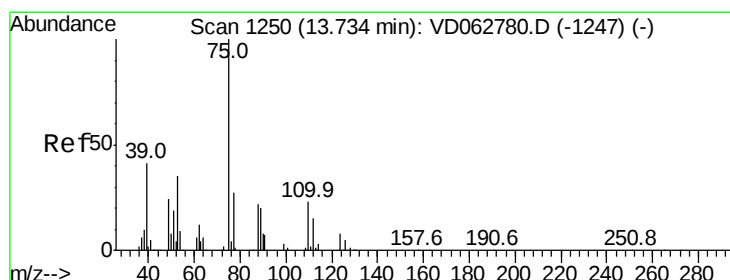
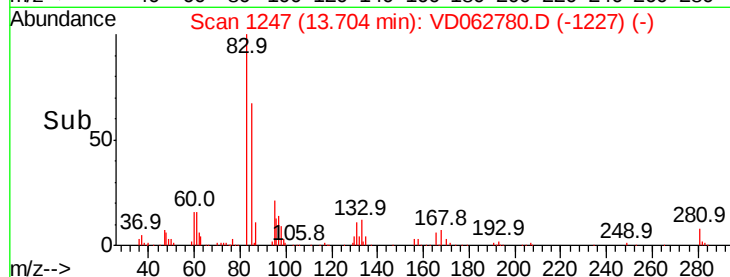
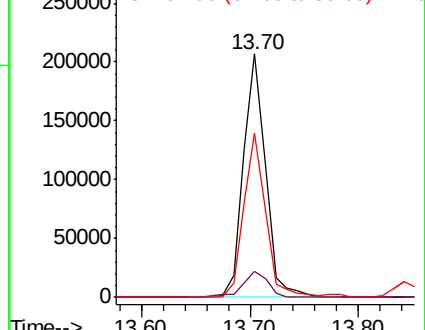
85 67.4 33.7 101.1



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: 49.896 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062780.D

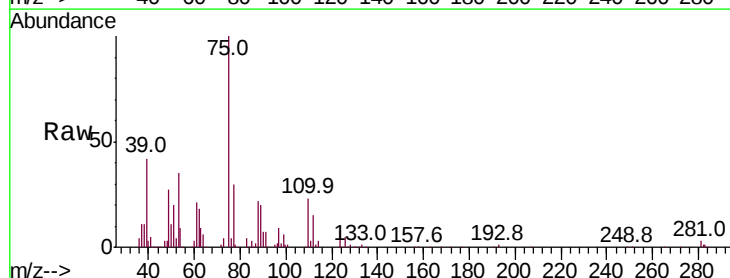
Acq: 19 Jun 2019 15:40

Tgt Ion: 75 Resp: 341206

Ion Ratio Lower Upper

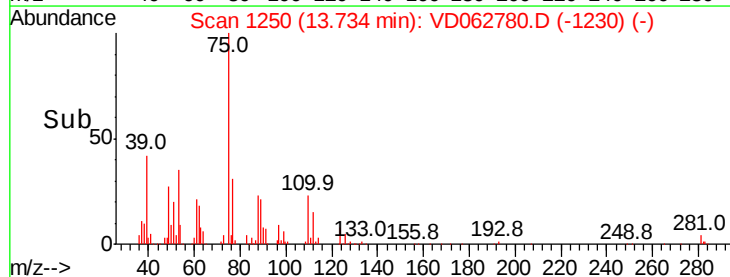
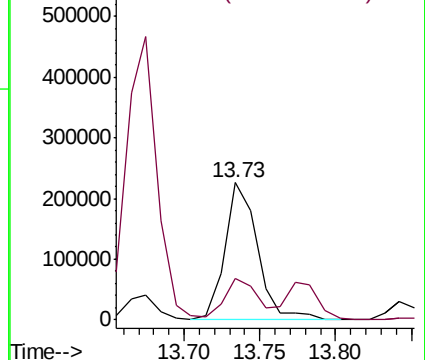
75 100

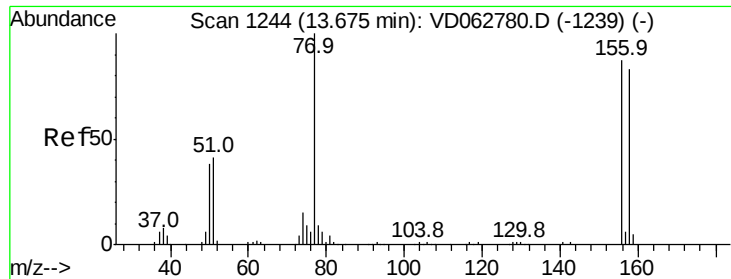
77 30.1 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.490 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

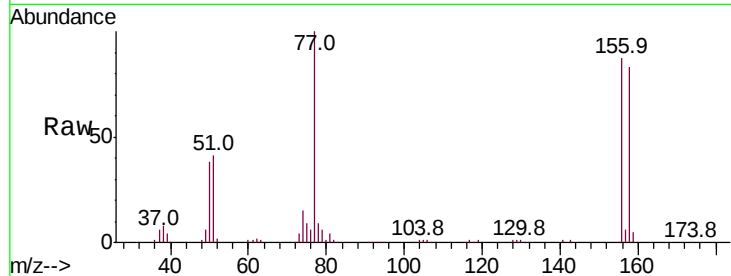
Tot Ion:156 Resp: 526011

Ion Ratio Lower Upper

156 100

77 115.4 57.7 173.1

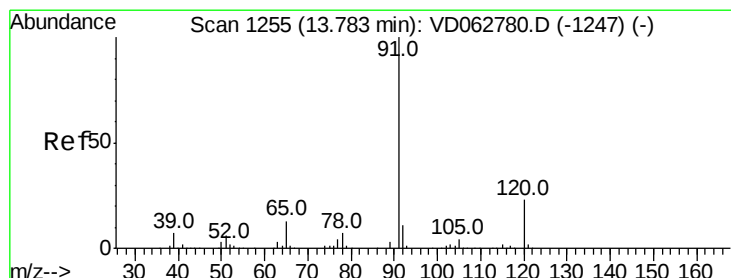
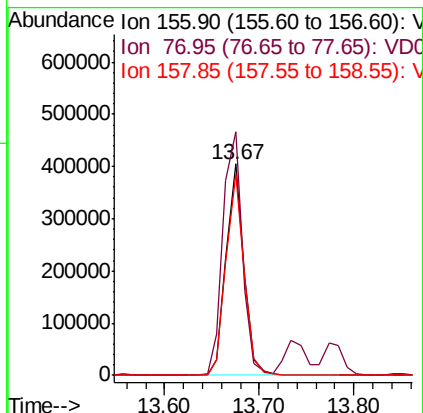
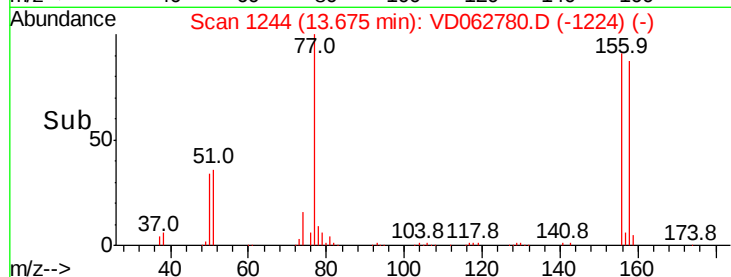
158 95.4 47.7 143.1



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: 47.625 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062780.D

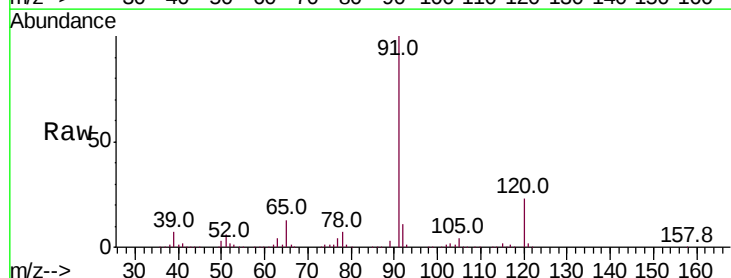
Acq: 19 Jun 2019 15:40

Tgt Ion: 91 Resp: 2105338

Ion Ratio Lower Upper

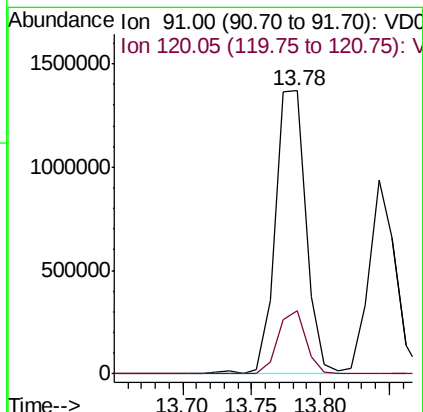
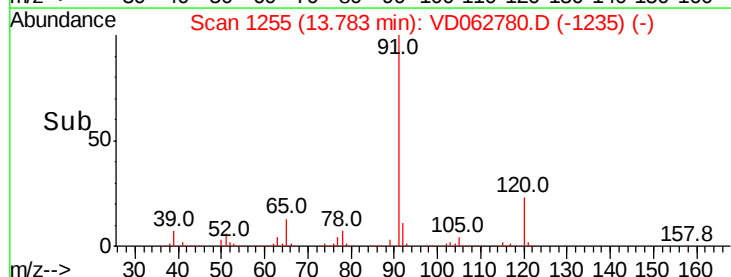
91 100

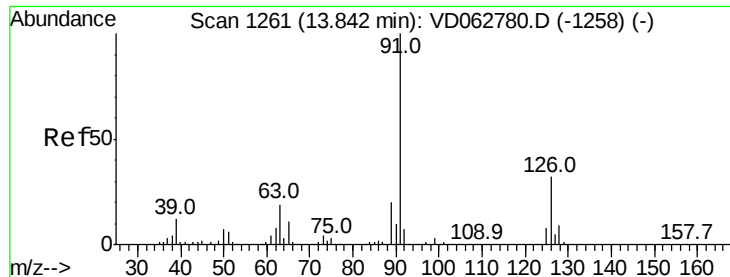
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

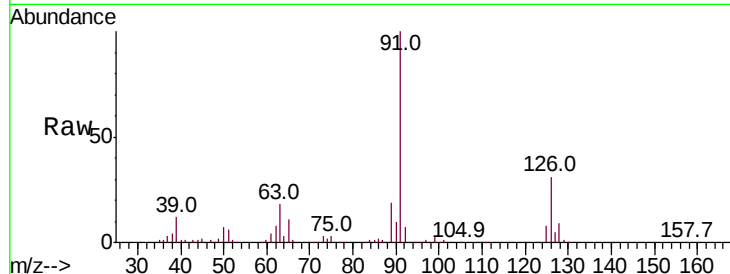




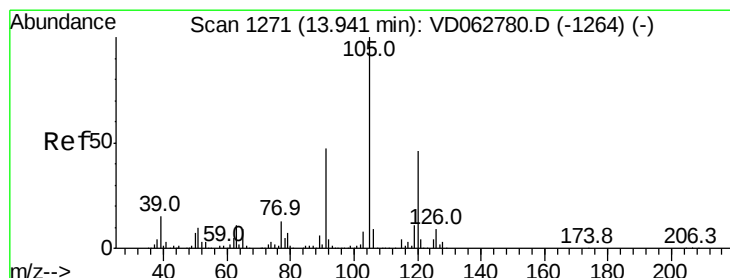
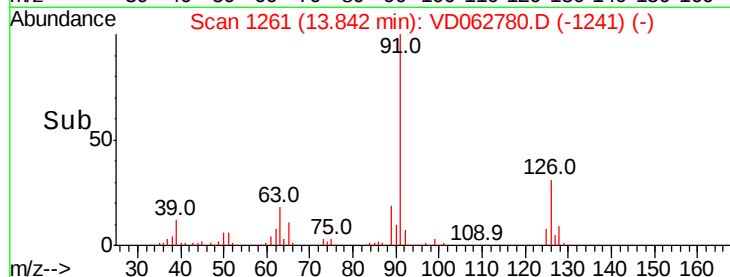
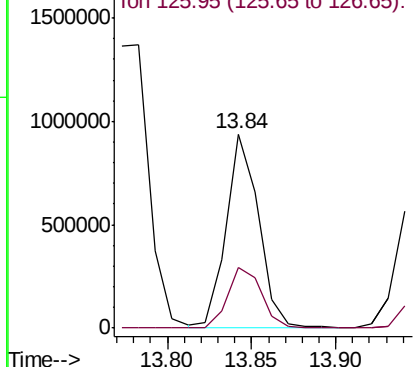
#79
 2-Chlorotoluene
 Concen: 49.498 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 1249349
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.7 47.1

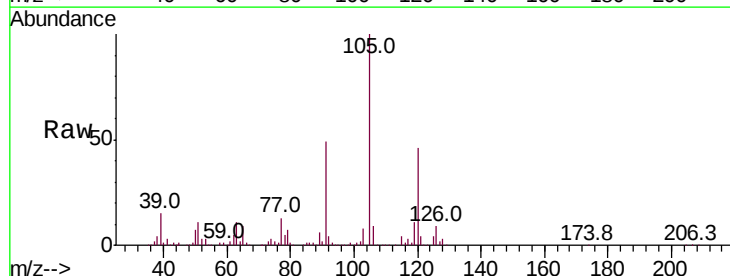


Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD062780.D (-1258) (-)

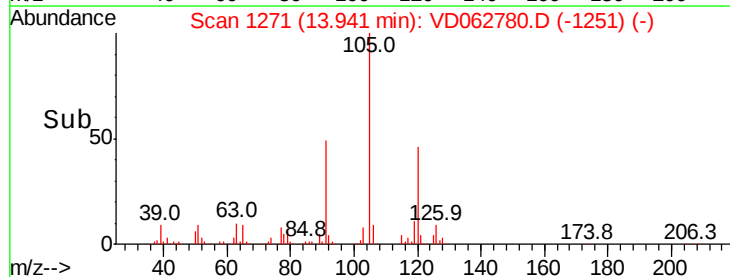
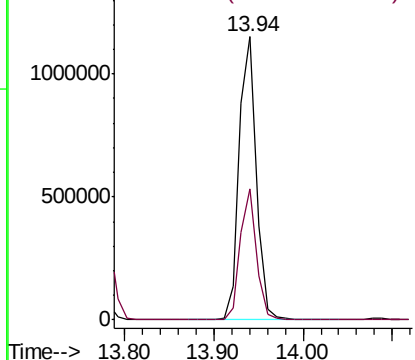


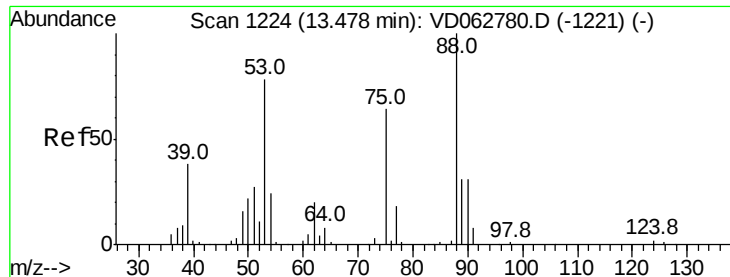
#80
 1,3,5-Trimethylbenzene
 Concen: 48.646 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

Tgt Ion: 105 Resp: 1551928
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): VD062780.D (-1264) (-)
 Ion 120.05 (119.75 to 120.75): VD062780.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.625 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

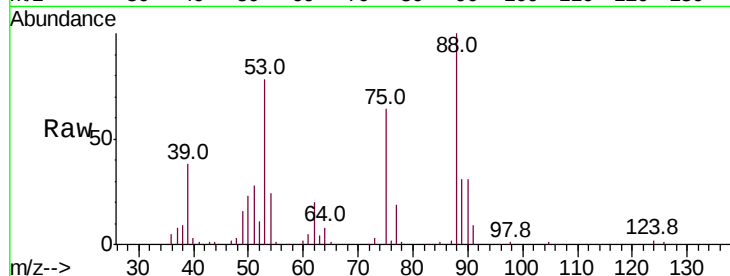
Tot Ion: 75 Resp: 88940

Ion Ratio Lower Upper

75 100

53 122.3 97.8 146.8

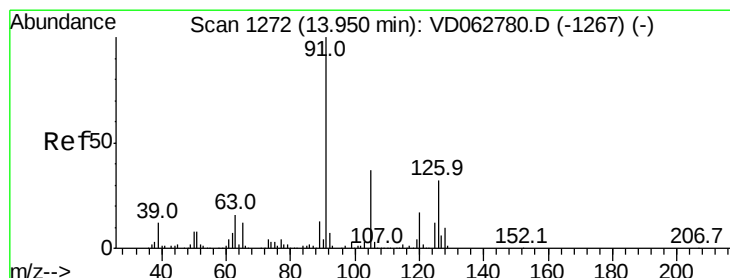
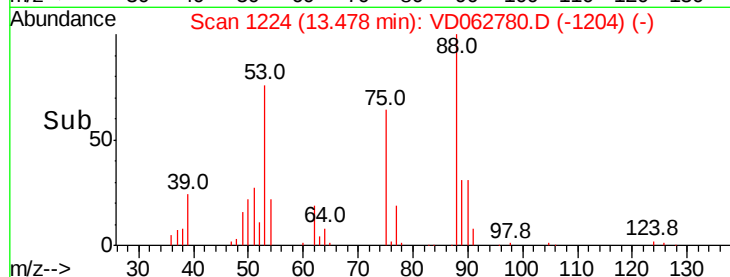
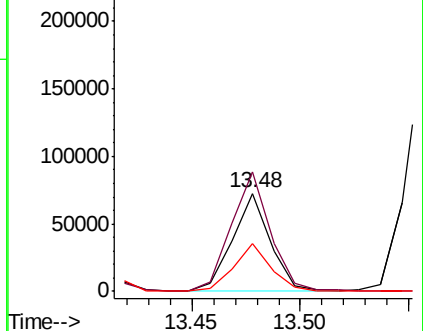
89 49.3 39.4 59.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 48.262 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062780.D

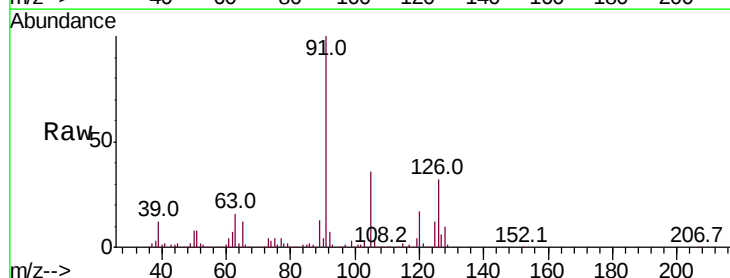
Acq: 19 Jun 2019 15:40

Tgt Ion: 91 Resp: 1467855

Ion Ratio Lower Upper

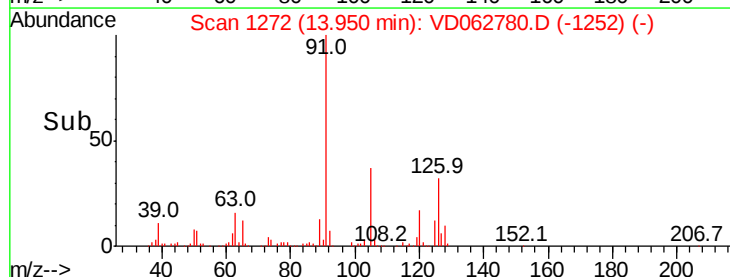
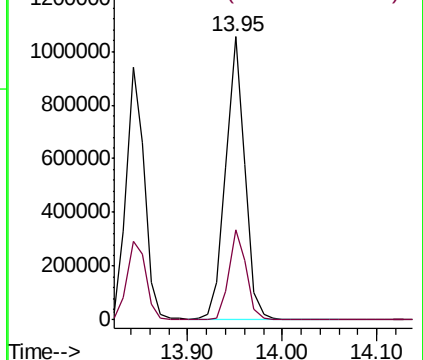
91 100

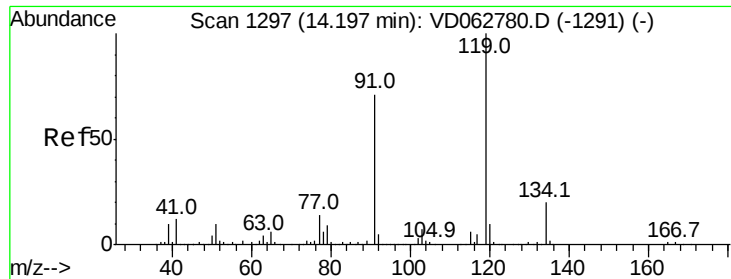
126 31.9 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

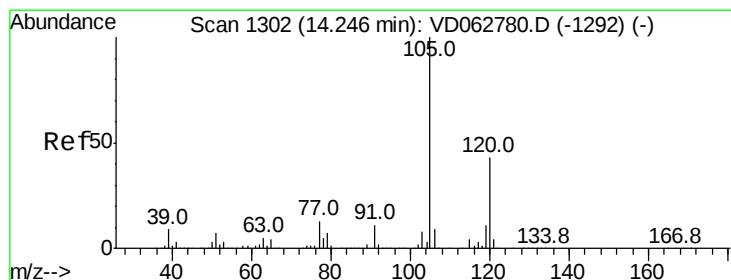
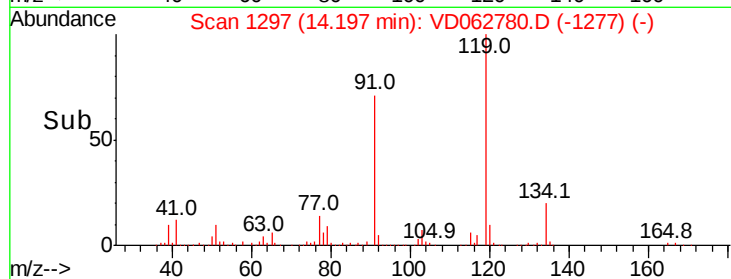
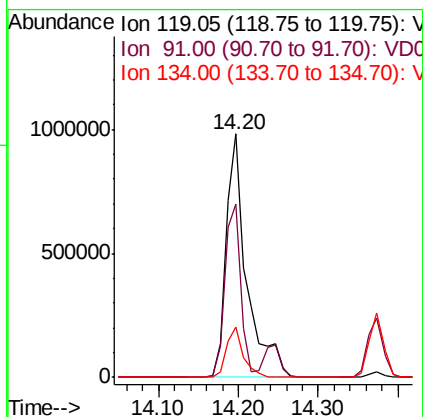
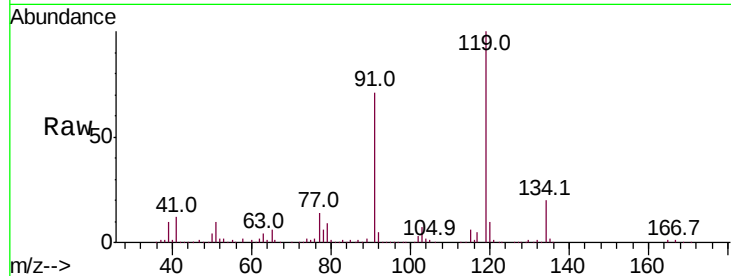




#83
tert-Butylbenzene
Concen: 50.011 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

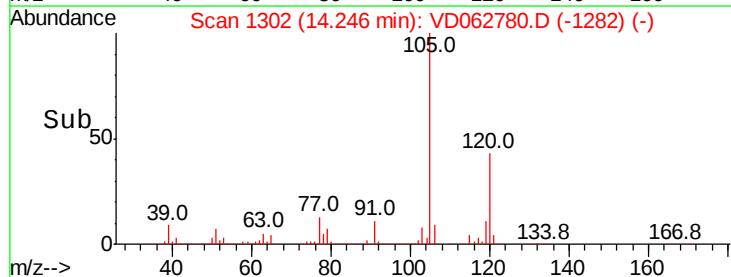
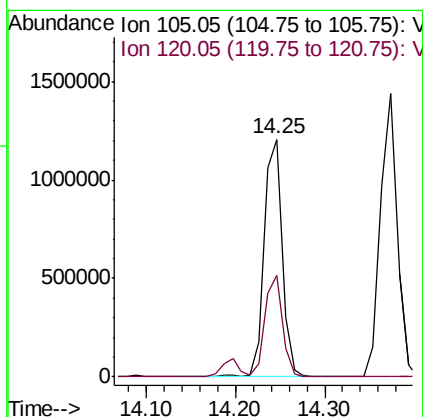
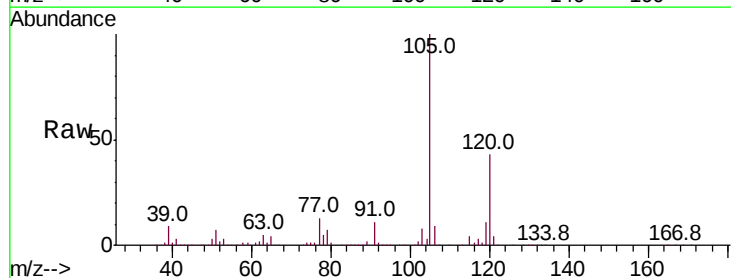
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

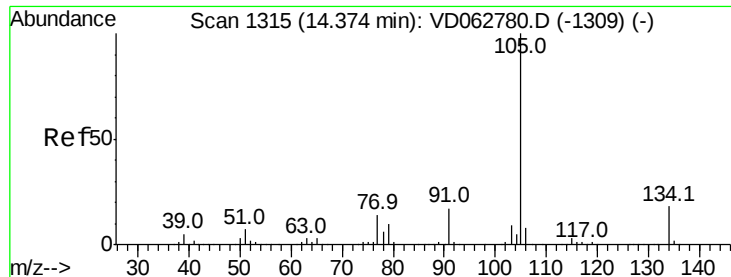
Tot Ion:119 Resp: 1778399
Ion Ratio Lower Upper
119 100
91 71.0 35.5 106.5
134 20.4 10.2 30.6



#84
1,2,4-Trimethylbenzene
Concen: 50.963 ug/l
RT: 14.25 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion:105 Resp: 1666437
Ion Ratio Lower Upper
105 100
120 42.6 21.3 63.9





#85

sec-Butylbenzene

Concen: 48.279 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

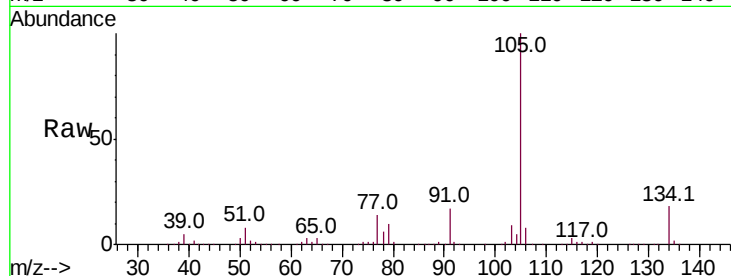
VSTDICCC050

Tot Ion:105 Resp: 1865969

Ion Ratio Lower Upper

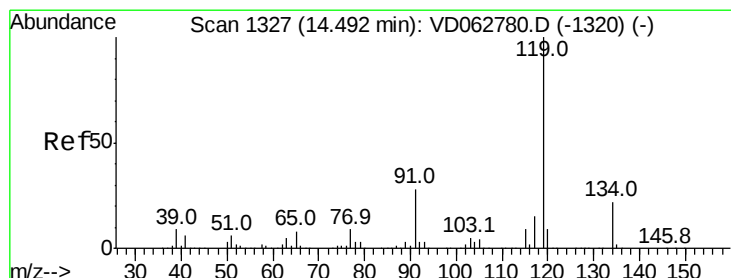
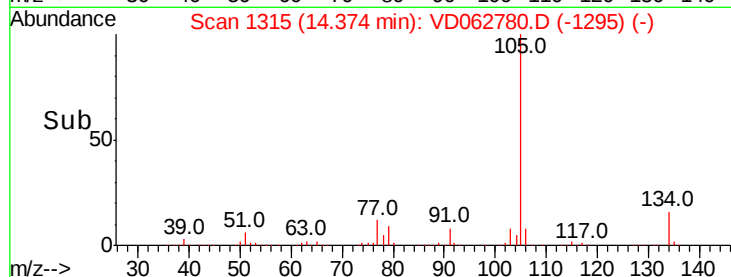
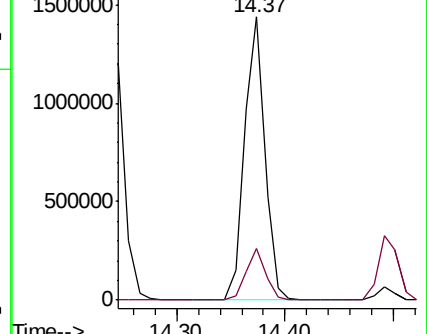
105 100

134 18.2 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: 51.797 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

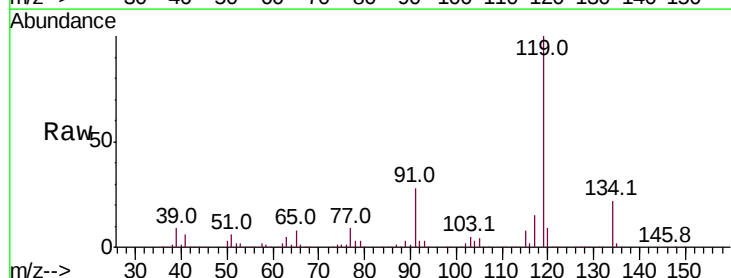
Tgt Ion:119 Resp: 1831444

Ion Ratio Lower Upper

119 100

134 22.1 11.1 33.1

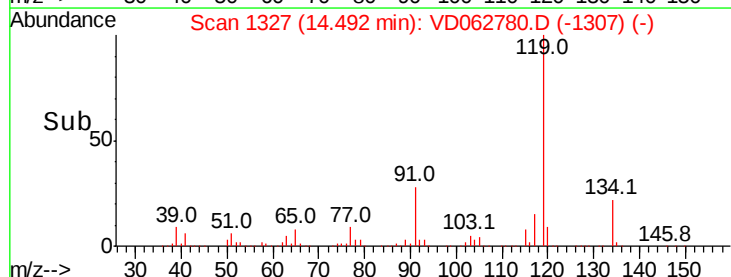
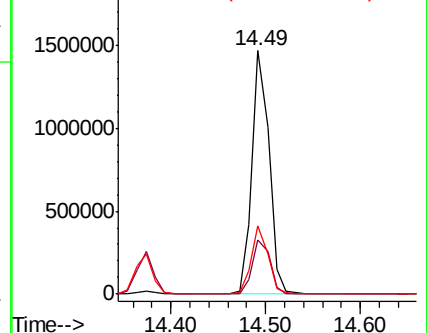
91 27.9 14.0 41.9

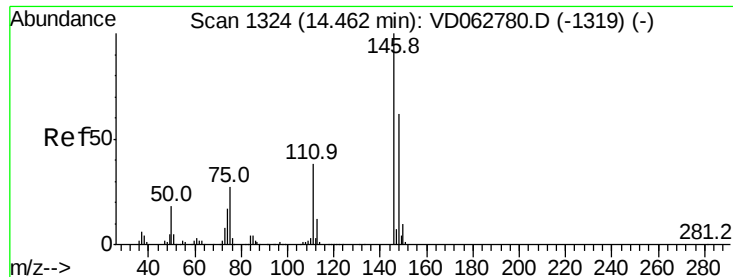


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.013 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.00 min

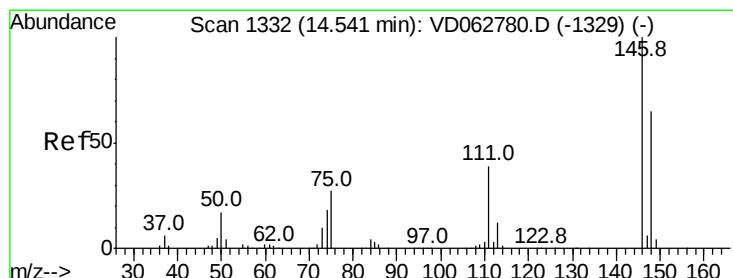
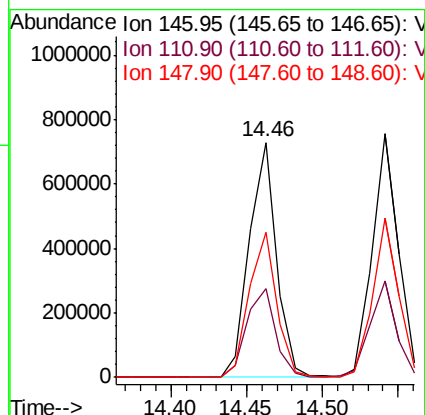
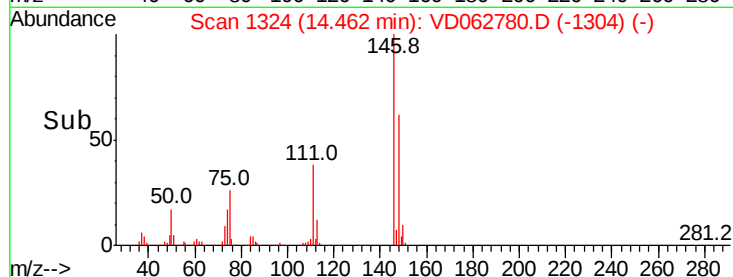
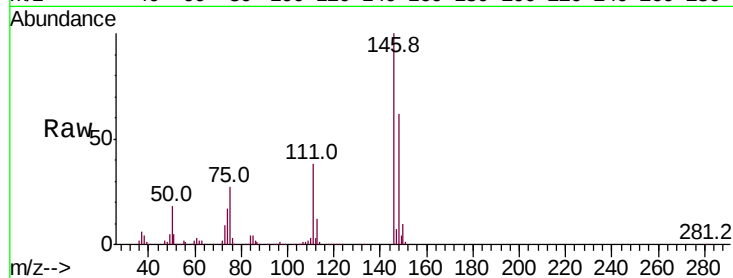
Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:146 Resp: 915866

Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	61.5	30.8	92.3



#88

1,4-Dichlorobenzene

Concen: 49.890 ug/l

RT: 14.54 min Scan# 1332

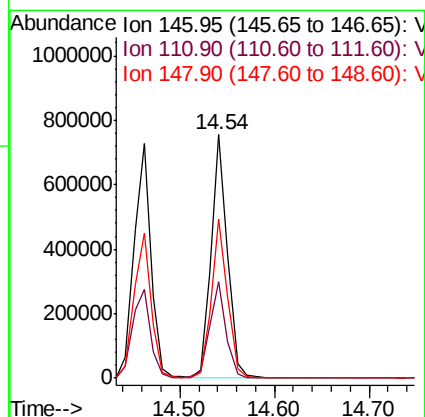
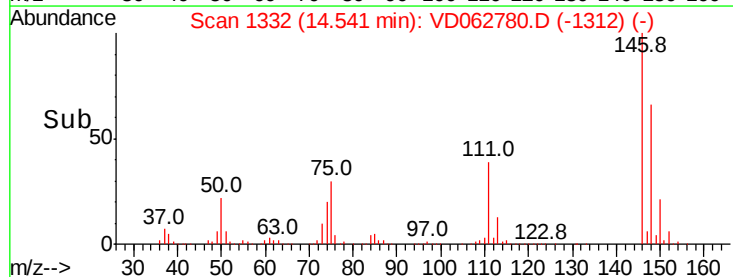
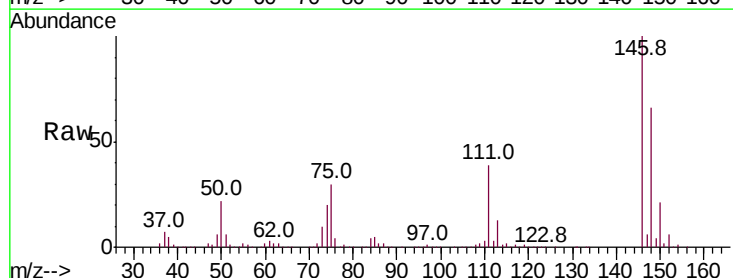
Delta R.T. 0.00 min

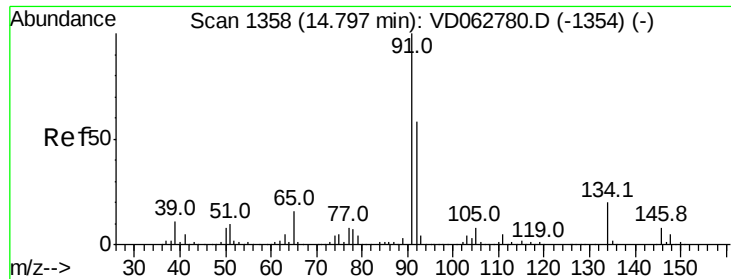
Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Tgt Ion:146 Resp: 917628

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	65.5	32.8	98.3





#89

n-Butylbenzene

Concen: 47.851 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062780.D

Acq: 19 Jun 2019 15:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

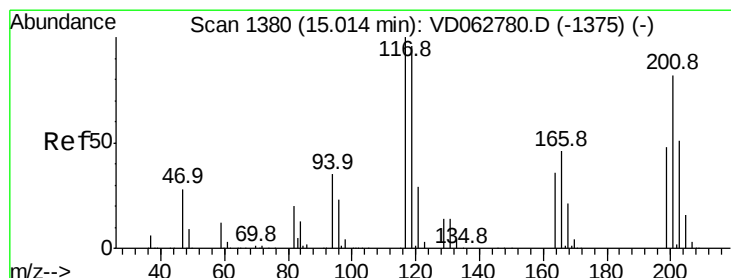
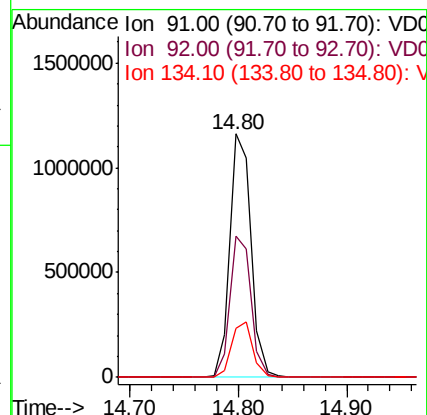
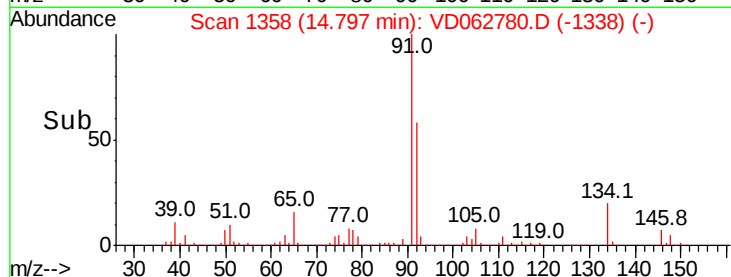
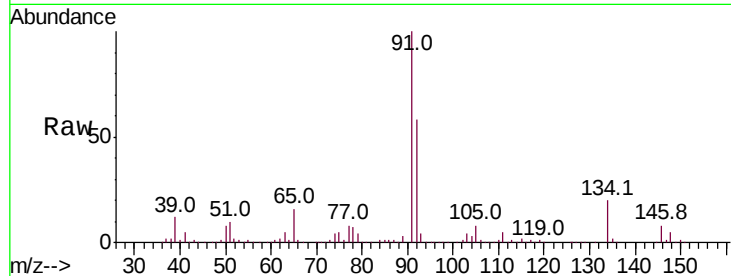
Tot Ion: 91 Resp: 1583586

Ion Ratio Lower Upper

91 100

92 57.8 28.9 86.7

134 20.2 10.1 30.3



#90

Hexachloroethane

Concen: 51.951 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062780.D

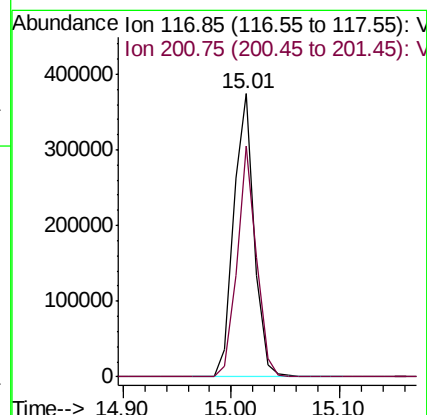
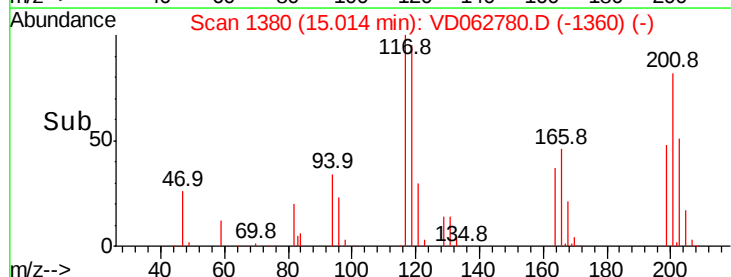
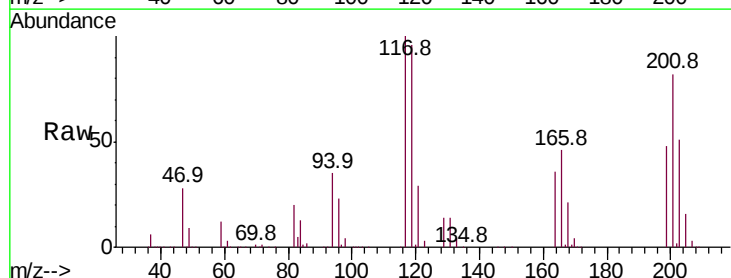
Acq: 19 Jun 2019 15:40

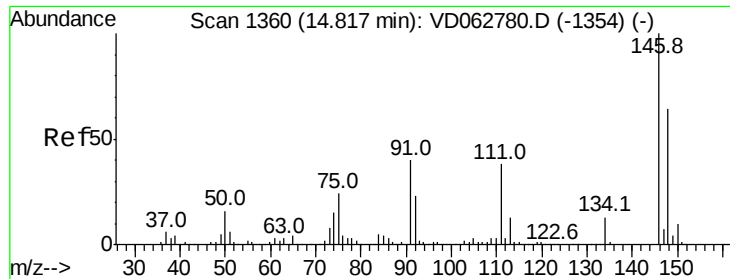
Tgt Ion: 117 Resp: 493887

Ion Ratio Lower Upper

117 100

201 81.5 40.8 122.2

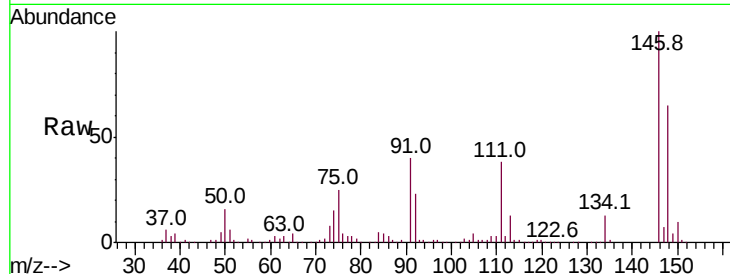




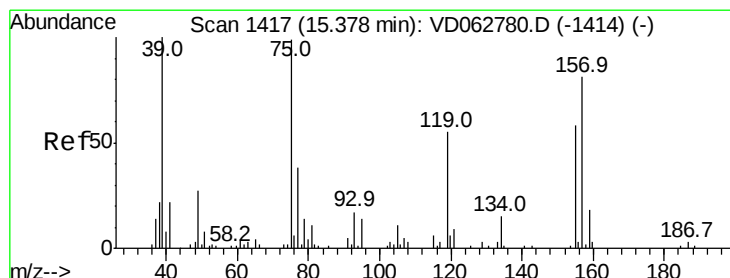
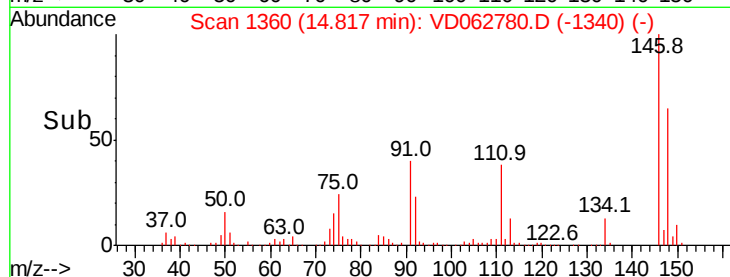
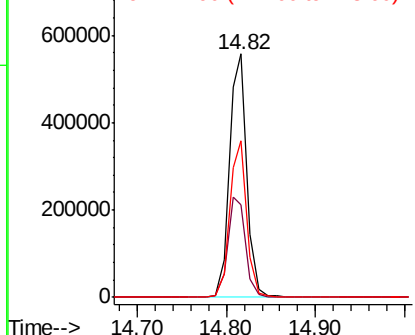
#91
 1,2-Dichlorobenzene
 Concen: 49.273 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 772004
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 64.5 32.3 96.8

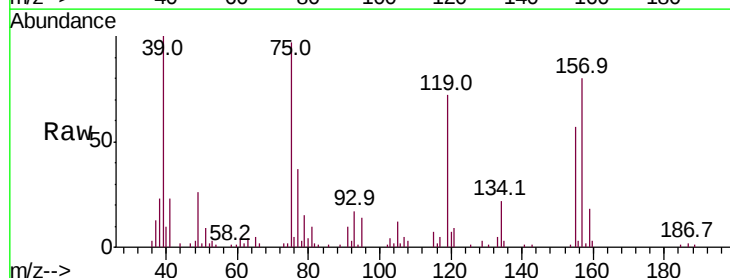


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

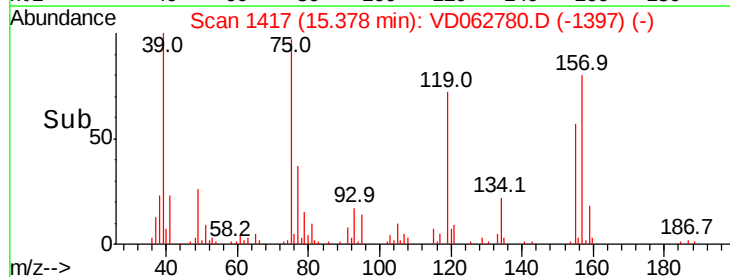
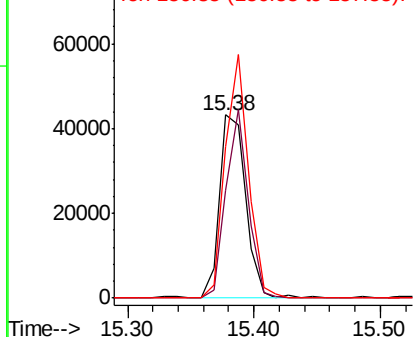


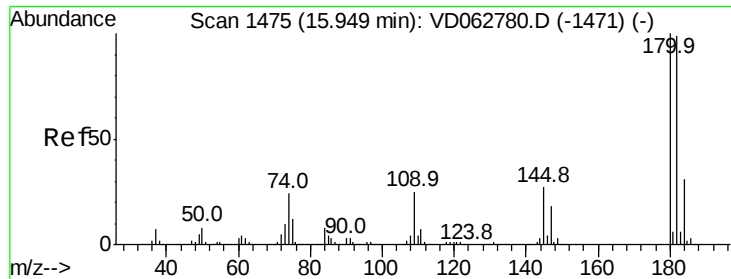
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.379 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

Tgt Ion: 75 Resp: 62058
 Ion Ratio Lower Upper
 75 100
 155 58.5 29.3 87.8
 157 82.5 41.3 123.7



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

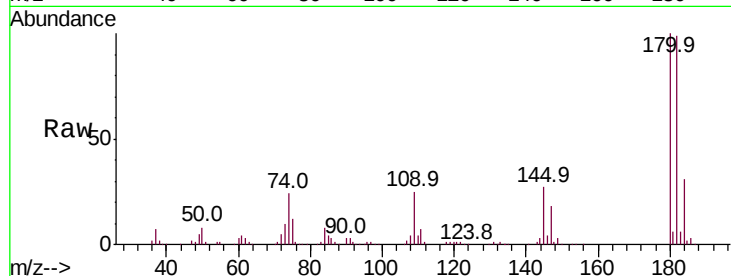




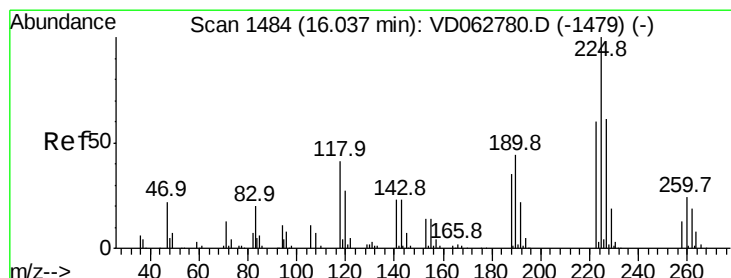
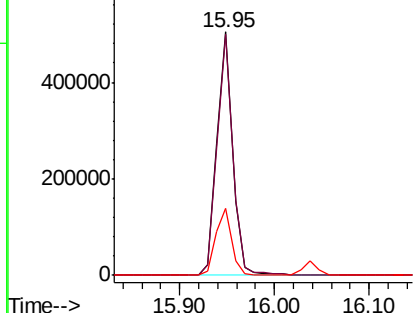
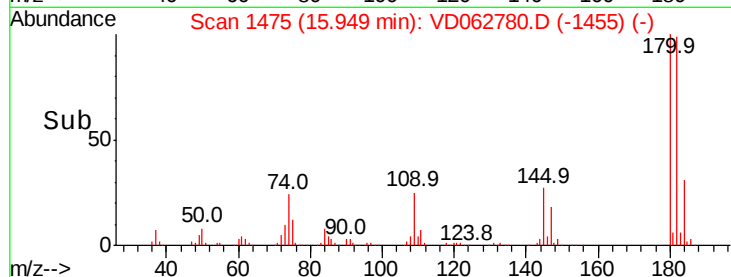
#93
 1,2,4-Trichlorobenzene
 Concen: 47.994 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 587408
 Ion Ratio Lower Upper
 180 100
 182 99.0 49.5 148.5
 145 27.3 13.7 41.0

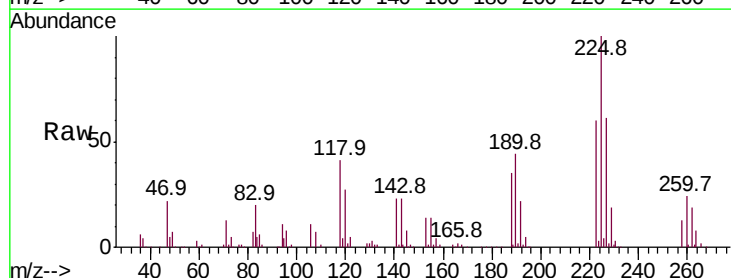


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

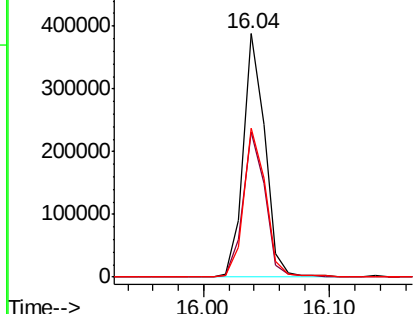
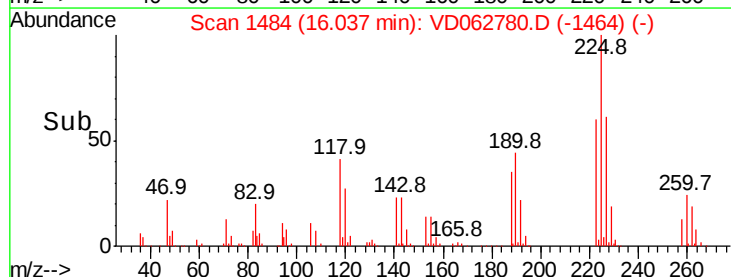


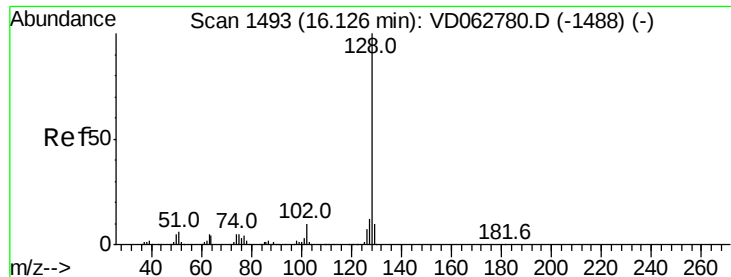
#94
 Hexachlorobutadiene
 Concen: 49.329 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062780.D
 Acq: 19 Jun 2019 15:40

Tgt Ion:225 Resp: 461235
 Ion Ratio Lower Upper
 225 100
 223 59.7 29.8 89.5
 227 61.1 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

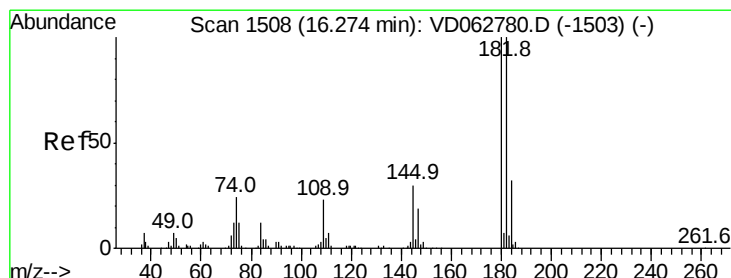
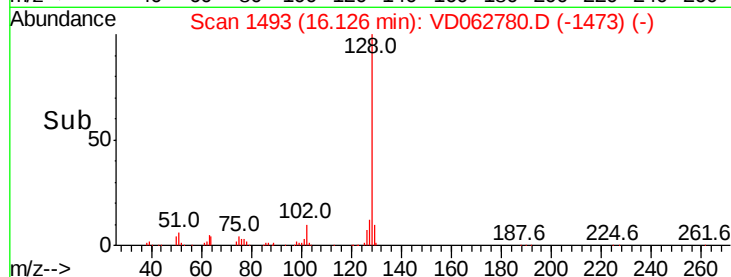
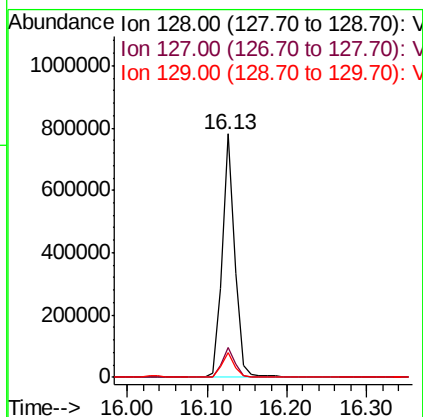
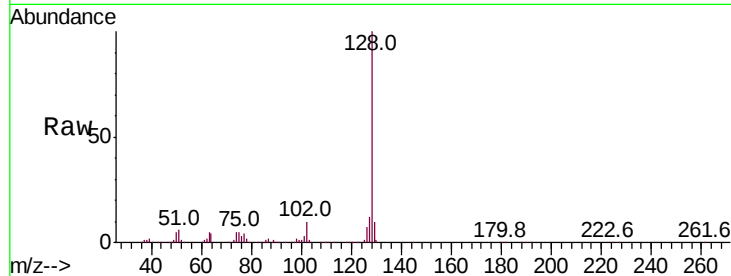




#95
Naphthalene
Concen: 51.232 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 878861
Ion Ratio Lower Upper
128 100
127 12.1 9.7 14.5
129 10.4 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 48.976 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062780.D
Acq: 19 Jun 2019 15:40

Tgt Ion:180 Resp: 460557
Ion Ratio Lower Upper
180 100
182 99.7 49.9 149.6
145 30.3 15.2 45.5

