

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063076.D
 Acq On : 15 Jul 2019 10:57
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jul 16 07:28:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:23:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	823044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1028813	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	867016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	482677	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	109799	11.94	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	23.88%	
35) Dibromofluoromethane	6.91	113	116493	13.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.10%	
50) Toluene-d8	10.40	98	247750	12.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.94%	
62) 4-Bromofluorobenzene	13.55	95	117351	13.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	112871	10.890	ug/l	88
3) Chloromethane	1.74	50	88282	11.146	ug/l	100
4) Vinyl Chloride	1.84	62	94562	12.061	ug/l	98
5) Bromomethane	2.15	94	44768	12.526	ug/l	96
6) Chloroethane	2.27	64	45025	12.586	ug/l #	74
7) Trichlorofluoromethane	2.52	101	170763	10.570	ug/l	99
8) Diethyl Ether	2.86	74	24002	11.769	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	108586	12.507	ug/l	99
10) Methyl Iodide	3.30	142	115847	10.132	ug/l	98
11) Tert butyl alcohol	4.07	59	23844	54.241	ug/l #	83
12) 1,1-Dichloroethene	3.12	96	71654	11.060	ug/l	97
13) Acrolein	3.02	56	11544	31.355	ug/l	90
14) Allyl chloride	3.60	41	104827	10.736	ug/l	91
15) Acrylonitrile	4.19	53	60414	60.567	ug/l	96
16) Acetone	3.22	43	98814	46.327	ug/l	97
17) Carbon Disulfide	3.36	76	204567	10.082	ug/l	99
18) Methyl Acetate	3.63	43	49724	17.865	ug/l #	89
19) Methyl tert-butyl Ether	4.22	73	168454	11.623	ug/l	95
20) Methylene Chloride	3.79	84	111590	15.748	ug/l #	95
21) trans-1,2-Dichloroethene	4.21	96	76775	11.077	ug/l	92
22) Diisopropyl ether	5.11	45	237491	11.722	ug/l	99
23) Vinyl Acetate	5.04	43	669773	53.066	ug/l #	96
24) 1,1-Dichloroethane	4.97	63	149736	11.514	ug/l #	95
25) 2-Butanone	6.07	43	102840	58.002	ug/l #	91
26) 2,2-Dichloropropane	6.02	77	168191	12.153	ug/l	95
27) cis-1,2-Dichloroethene	6.03	96	89744	11.927	ug/l	89
28) Bromochloromethane	6.42	49	55913	12.032	ug/l	92
29) Tetrahydrofuran	6.44	42	49302	59.145	ug/l	98
30) Chloroform	6.65	83	188699	11.953	ug/l	95
31) Cyclohexane	6.94	56	97976	11.653	ug/l	93
32) 1,1,1-Trichloroethane	6.86	97	185779	11.434	ug/l	98
36) 1,1-Dichloropropene	7.14	75	121227	12.433	ug/l	88
37) Ethyl Acetate	6.17	43	51291	11.218	ug/l #	92
38) Carbon Tetrachloride	7.10	117	187240	12.693	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	108827	12.801	ug/l	90
40) Benzene	7.44	78	250278	12.571	ug/l	99
41) Methacrylonitrile	6.45	41	66961	12.663	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	131618	12.265	ug/l	99
43) Isopropyl Acetate	9.24	43	69614	13.069	ug/l #	96
44) Trichloroethene	8.53	130	95874	12.462	ug/l	95
45) 1,2-Dichloropropane	8.93	63	63399	12.835	ug/l	93
46) Dibromomethane	9.05	93	54736	12.804	ug/l #	85
47) Bromodichloromethane	9.36	83	140674	12.824	ug/l	91
48) Methyl methacrylate	9.11	41	46694	12.425	ug/l #	82
49) 1,4-Dioxane	9.06	88	7367	230.999	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	224337	59.267	ug/l	94
52) Toluene	10.50	92	168267	12.684	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	118989	12.976	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	123407	12.479	ug/l	89
55) 1,1,2-Trichloroethane	11.18	97	61617	13.272	ug/l	93
56) Ethyl methacrylate	11.04	69	59086	11.886	ug/l	91
57) 1,3-Dichloropropane	11.40	76	85079	12.173	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	171862	64.708	ug/l	97
59) 2-Hexanone	11.53	43	169236	61.878	ug/l	87
60) Dibromochloromethane	11.68	129	102726	11.861	ug/l	97
61) 1,2-Dibromoethane	11.80	107	65976	12.136	ug/l	92
64) Tetrachloroethene	11.24	164	88556	12.327	ug/l	93
65) Chlorobenzene	12.40	112	212059	12.867	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	99232	12.909	ug/l	95
67) Ethyl Benzene	12.51	91	356747	12.114	ug/l	95
68) m/p-Xylenes	12.66	106	253945	24.916	ug/l	88
69) o-Xylene	13.05	106	127960	13.620	ug/l	99
70) Styrene	13.07	104	224771	13.499	ug/l	98
71) Bromoform	13.23	173	62091	11.647	ug/l #	89
73) Isopropylbenzene	13.40	105	392533	12.428	ug/l	98
74) N-amyl acetate	13.26	43	94477	11.954	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	62310	11.651	ug/l	88
76) 1,2,3-Trichloropropane	13.72	75	68422	11.646	ug/l	92
77) Bromobenzene	13.67	156	108320	12.660	ug/l	92
78) n-propylbenzene	13.76	91	460273	12.333	ug/l	95
79) 2-Chlorotoluene	13.83	91	245004	11.532	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	346406	12.958	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	17808	11.596	ug/l #	91
82) 4-Chlorotoluene	13.94	91	315291	12.349	ug/l	97
83) tert-Butylbenzene	14.19	119	368589	12.288	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	340741	12.523	ug/l	98
85) sec-Butylbenzene	14.36	105	382978	11.785	ug/l	99
86) p-Isopropyltoluene	14.48	119	379327	12.942	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	195242	12.757	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	172276	11.251	ug/l	98
89) n-Butylbenzene	14.80	91	345589	12.427	ug/l	98
90) Hexachloroethane	15.00	117	95281	11.964	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	173514	13.053	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11190	10.860	ug/l	65

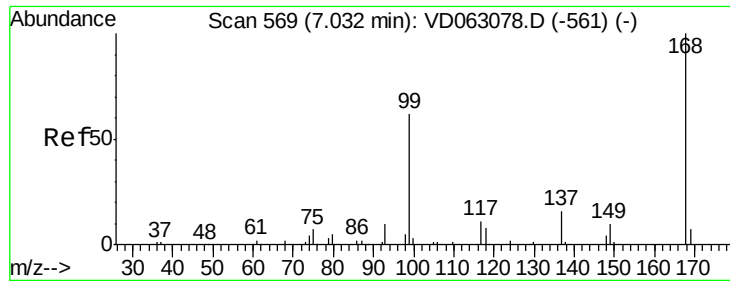
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	110506	10.592	ug/l	96
94) Hexachlorobutadiene	16.03	225	91841	11.641	ug/l	94
95) Naphthalene	16.12	128	176115	12.190	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	96660	11.945	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

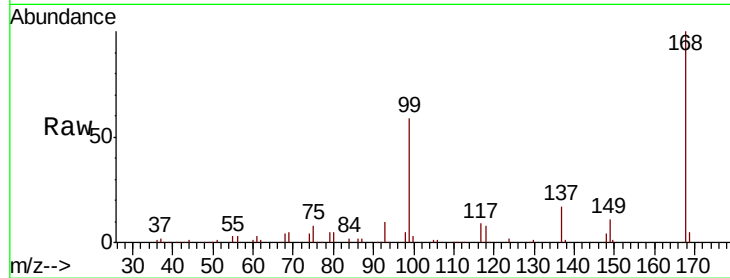
VSTDIC010

Tot Ion:168 Resp: 823044

Ion Ratio Lower Upper

168 100

99 59.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

300000

250000

200000

150000

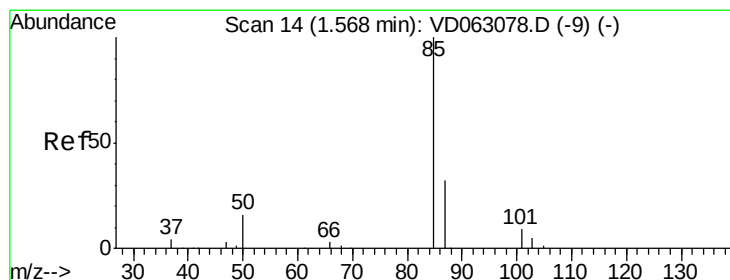
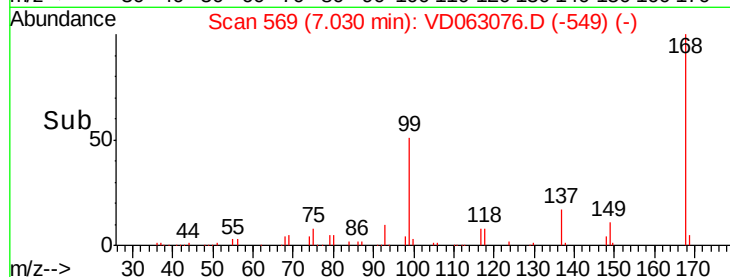
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 10.890 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063076.D

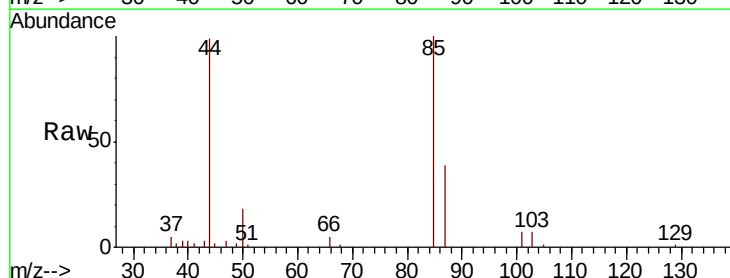
Acq: 15 Jul 2019 10:57

Tgt Ion: 85 Resp: 112871

Ion Ratio Lower Upper

85 100

87 38.7 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

50000

40000

30000

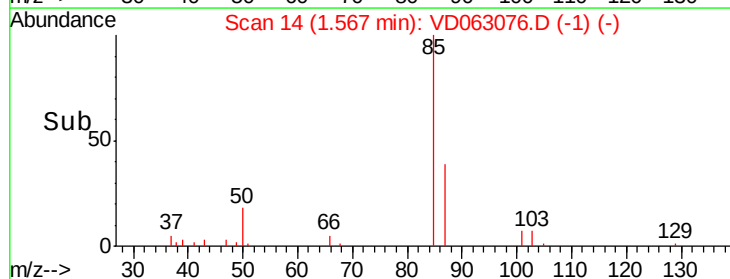
20000

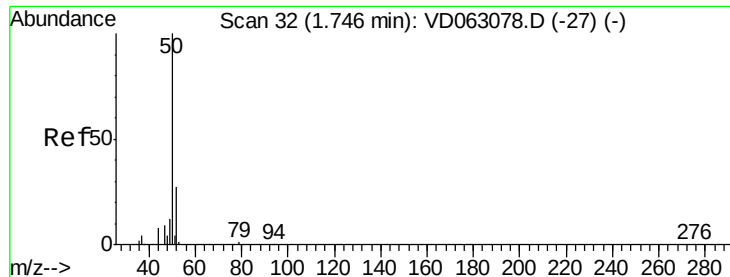
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 11.146 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

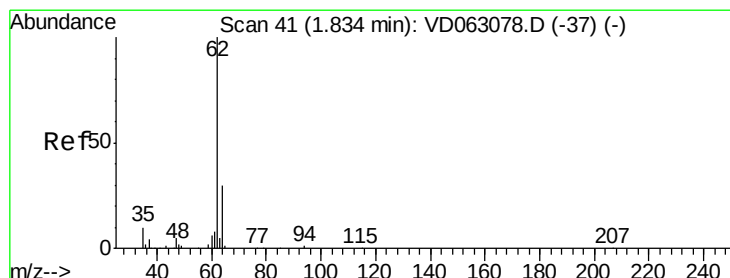
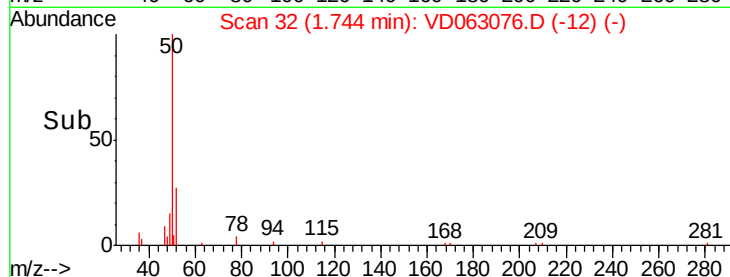
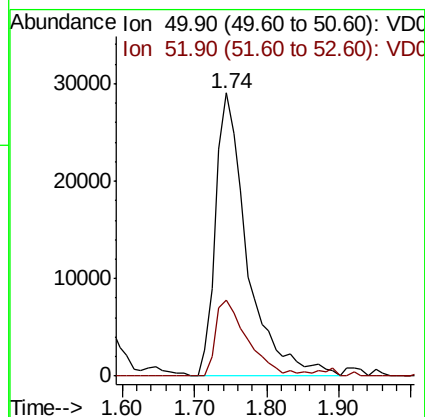
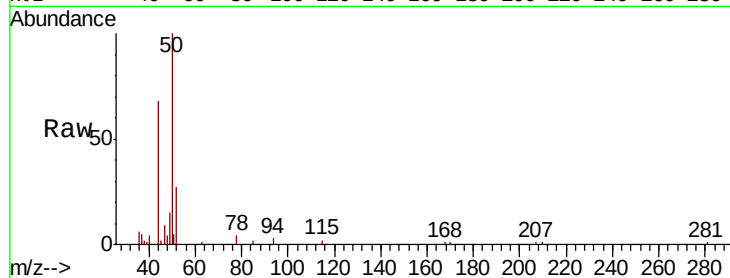
VSTDIC010

Tot Ion: 50 Resp: 88282

Ion Ratio Lower Upper

50 100

52 26.8 21.4 32.2



#4

Vinyl Chloride

Concen: 12.061 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063076.D

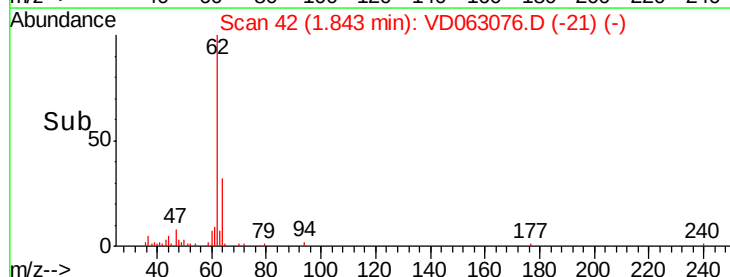
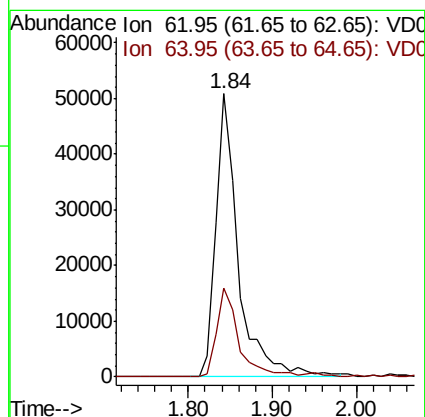
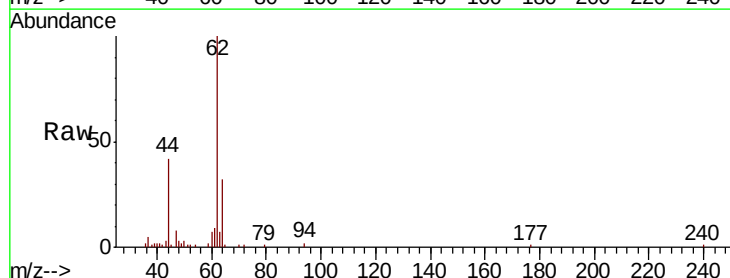
Acq: 15 Jul 2019 10:57

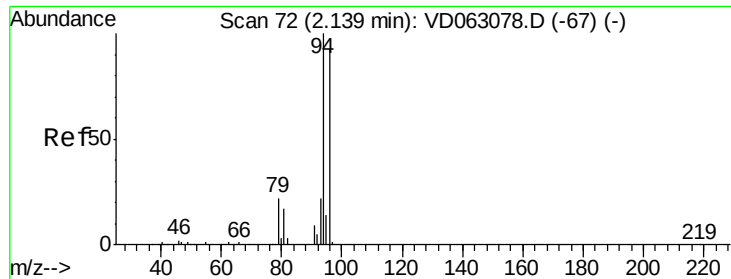
Tgt Ion: 62 Resp: 94562

Ion Ratio Lower Upper

62 100

64 31.5 24.4 36.6





#5

Bromomethane

Concen: 12.526 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

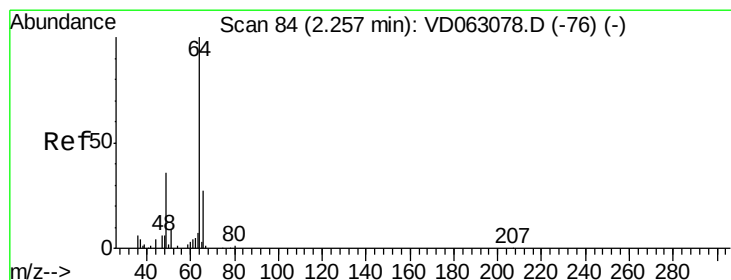
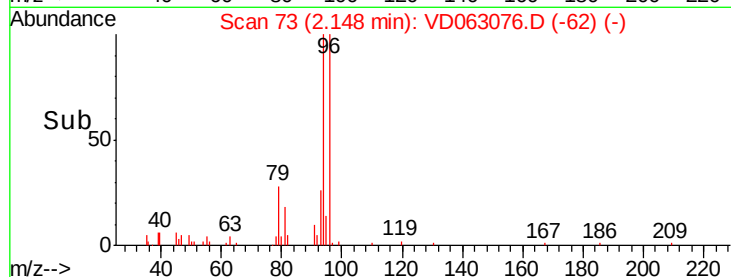
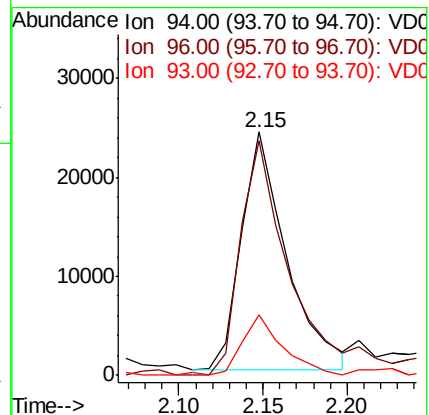
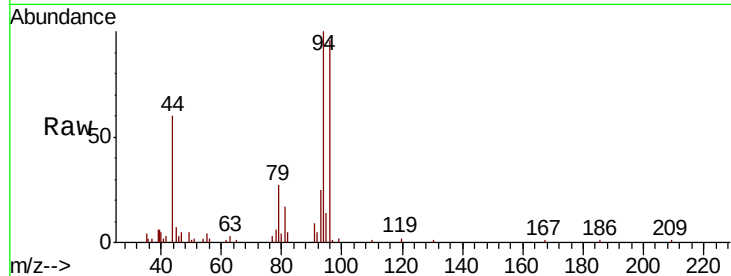
Tot Ion: 94 Resp: 44768

Ion Ratio Lower Upper

94 100

96 96.1 74.2 111.2

93 25.0 17.8 26.6



#6

Chloroethane

Concen: 12.586 ug/l

RT: 2.27 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD063076.D

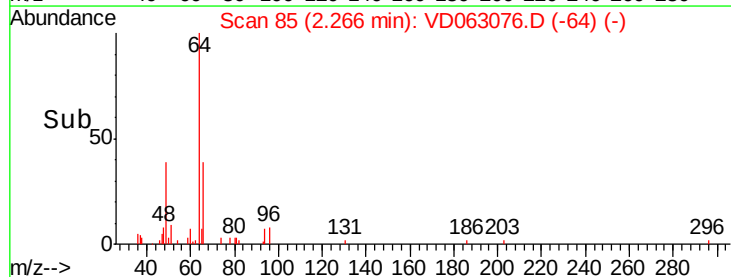
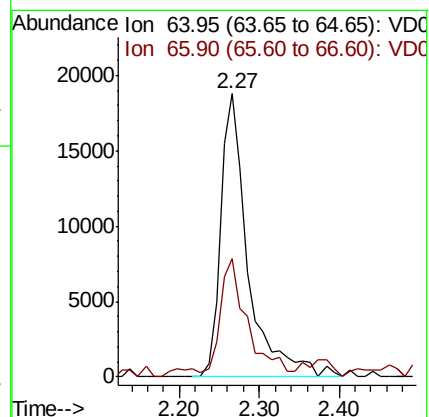
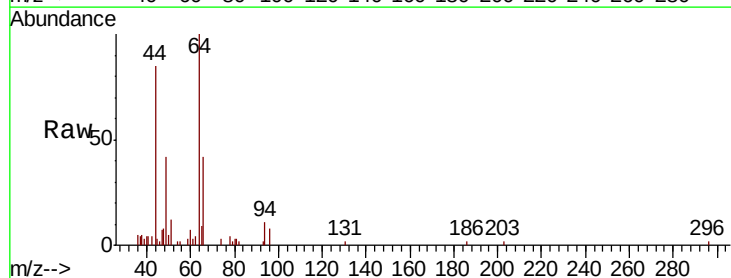
Acq: 15 Jul 2019 10:57

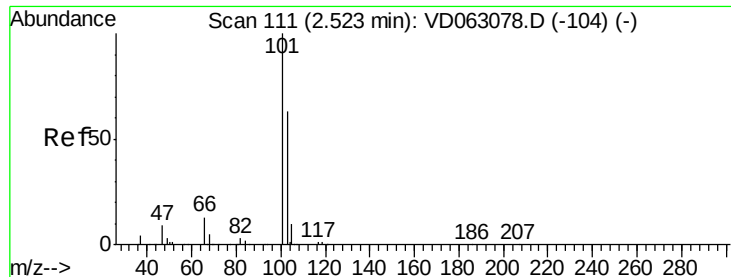
Tgt Ion: 64 Resp: 45025

Ion Ratio Lower Upper

64 100

66 41.7 22.5 33.7#



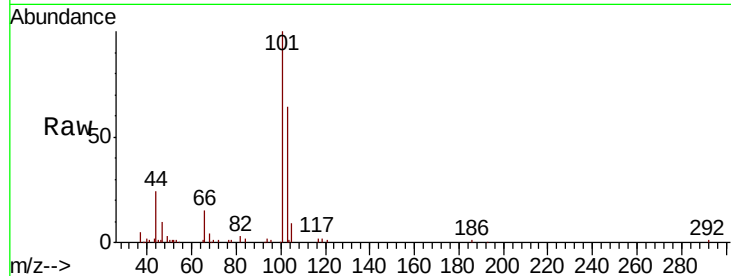


#7

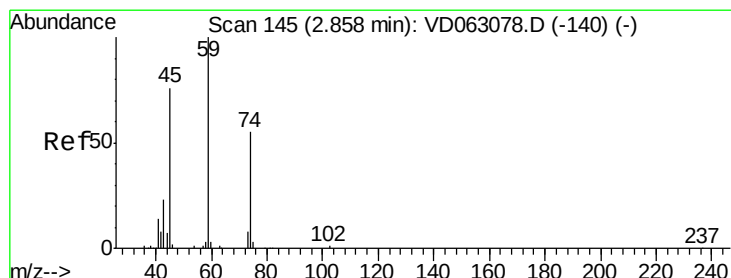
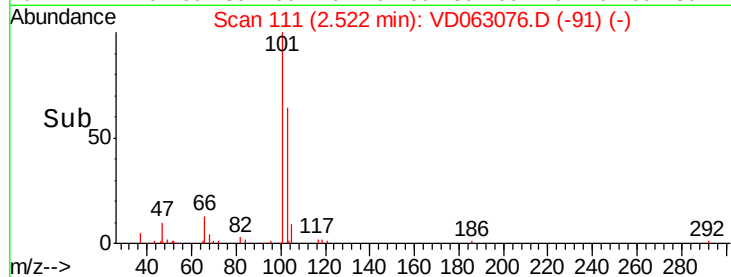
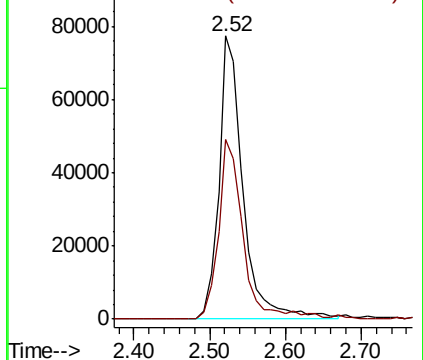
Trichlorofluoromethane
 Concen: 10.570 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:101 Resp: 170763
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.6 76.0



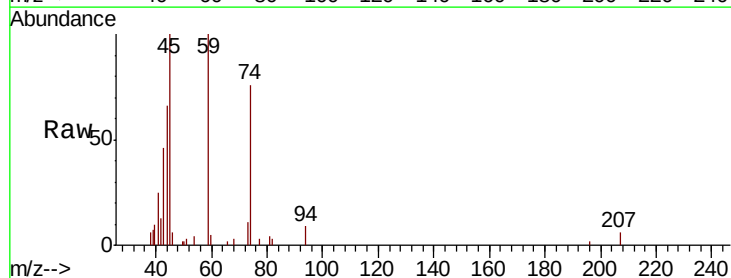
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



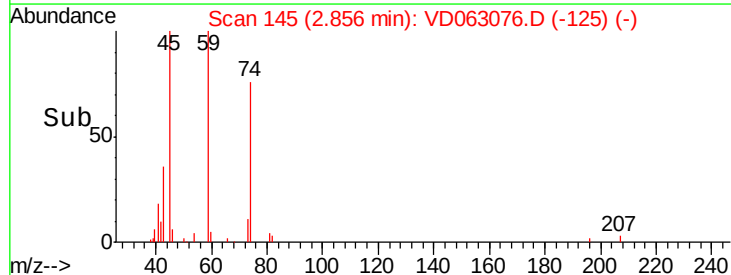
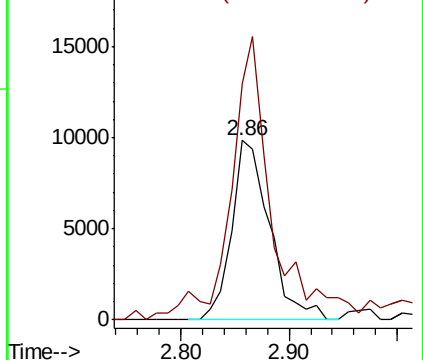
#8

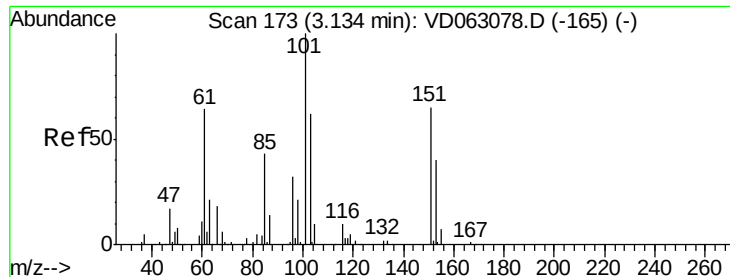
Diethyl Ether
 Concen: 11.769 ug/l
 RT: 2.86 min Scan# 145
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Tgt Ion: 74 Resp: 24002
 Ion Ratio Lower Upper
 74 100
 45 131.5 69.5 208.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.507 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

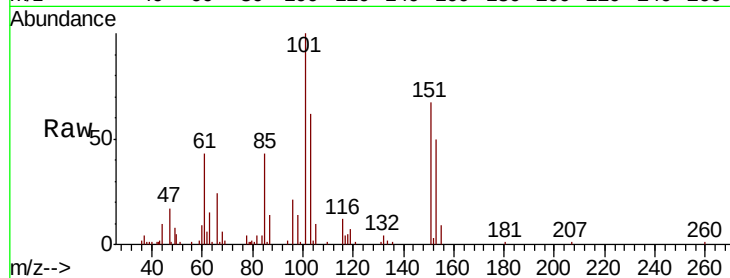
Tot Ion:101 Resp: 108586

Ion Ratio Lower Upper

101 100

85 43.1 34.6 51.8

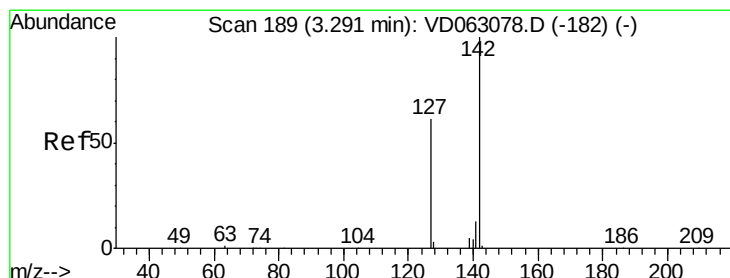
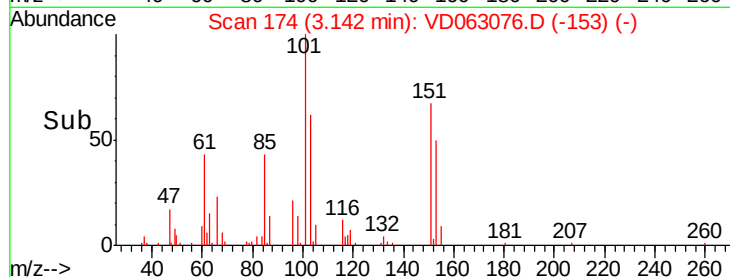
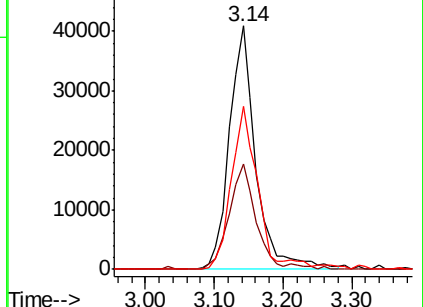
151 66.9 52.4 78.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 10.132 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

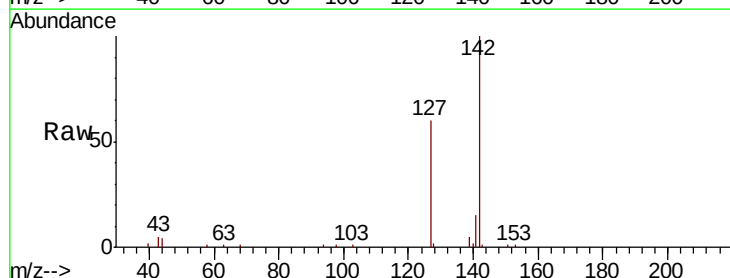
Tgt Ion:142 Resp: 115847

Ion Ratio Lower Upper

142 100

127 59.7 48.6 73.0

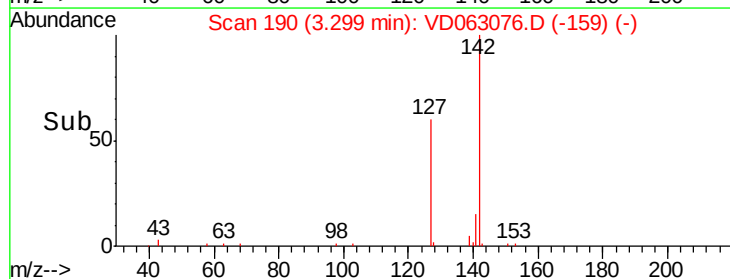
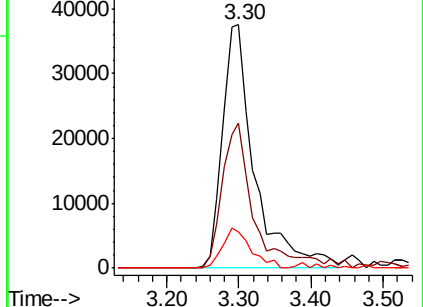
141 14.7 10.6 16.0

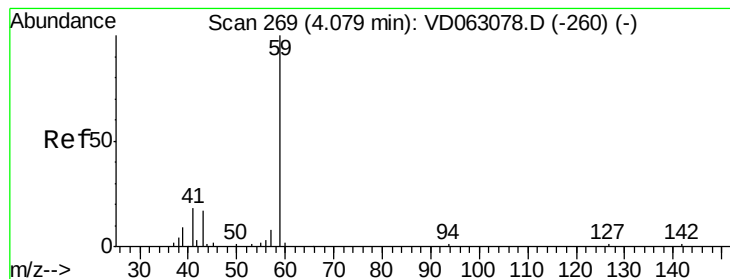


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 54.241 ug/l

RT: 4.07 min Scan# 268

Delta R.T. -0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

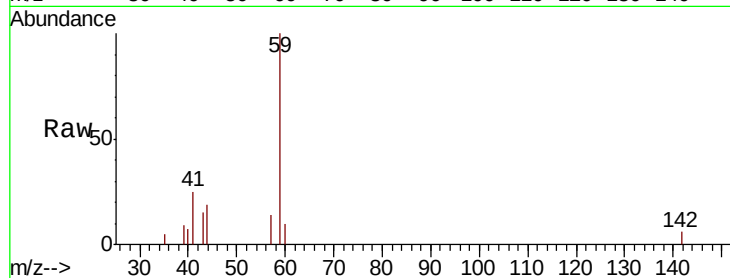
VSTDIC010

Tot Ion: 59 Resp: 23844

Ion Ratio Lower Upper

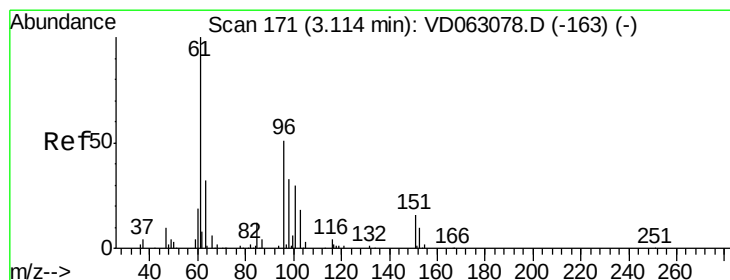
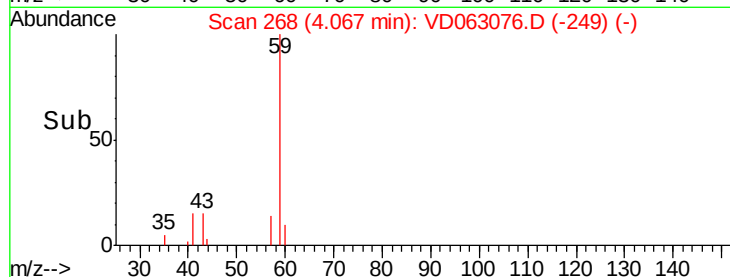
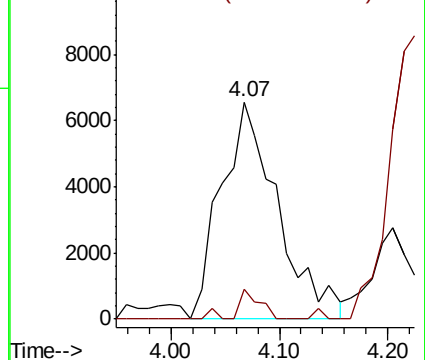
59 100

57 13.9 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 11.060 ug/l

RT: 3.12 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

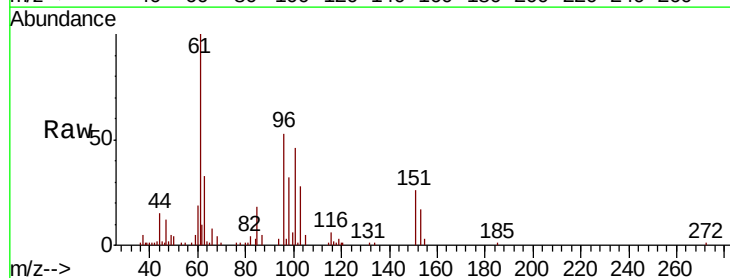
Tgt Ion: 96 Resp: 71654

Ion Ratio Lower Upper

96 100

61 190.2 155.5 233.3

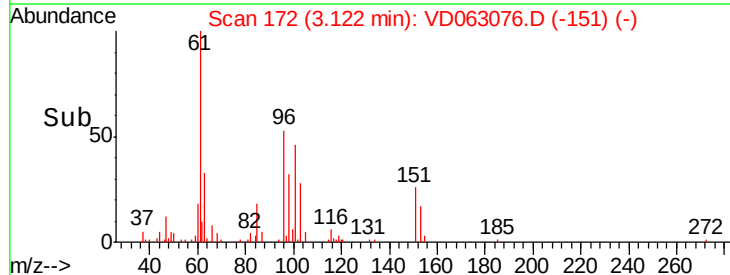
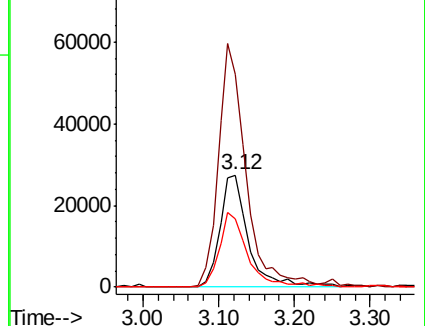
98 61.5 51.5 77.3

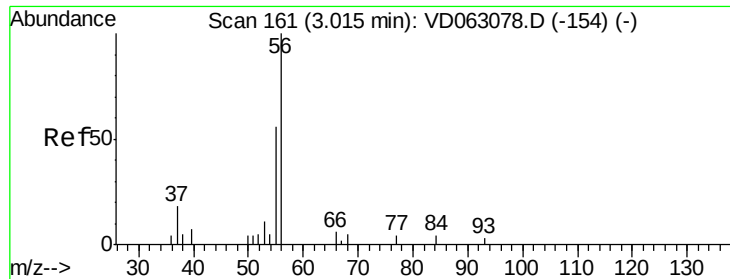


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 31.355 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

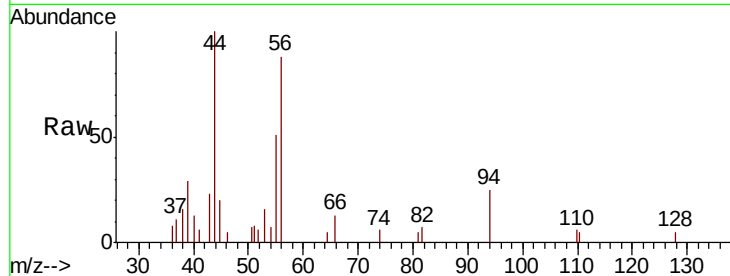
VSTDIC010

Tot Ion: 56 Resp: 11544

Ion Ratio Lower Upper

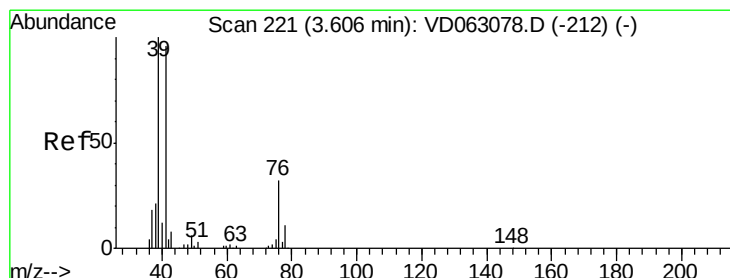
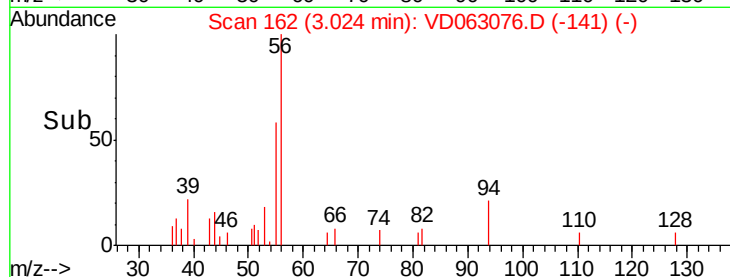
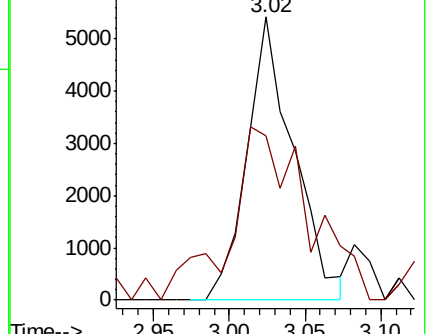
56 100

55 58.0 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.736 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

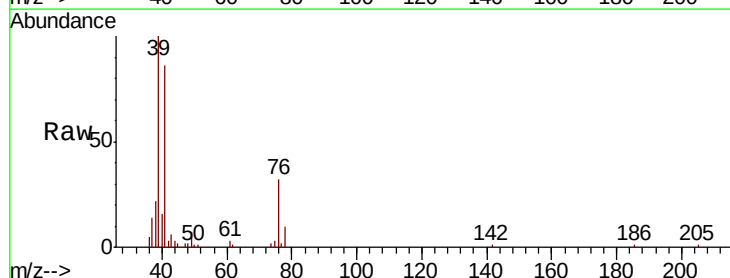
Tgt Ion: 41 Resp: 104827

Ion Ratio Lower Upper

41 100

39 116.0 83.5 125.3

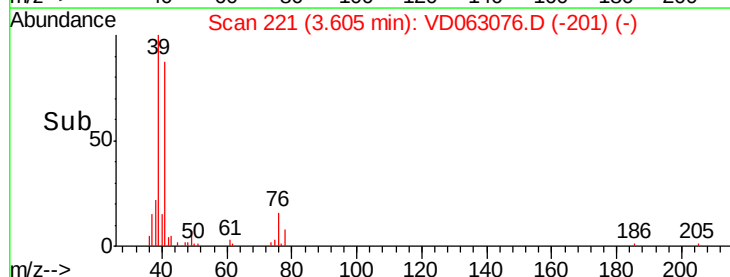
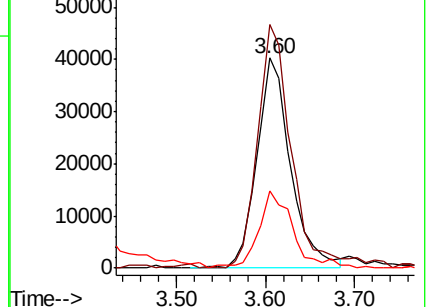
76 37.0 27.8 41.8

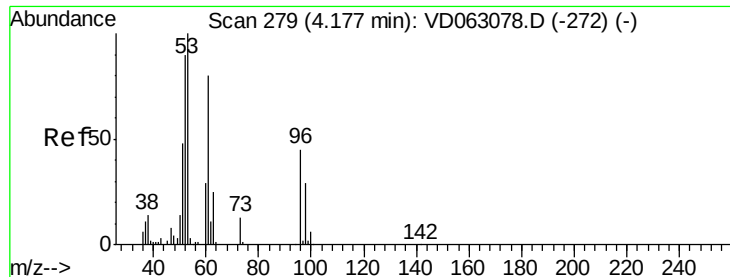


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 60.567 ug/l

RT: 4.19 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

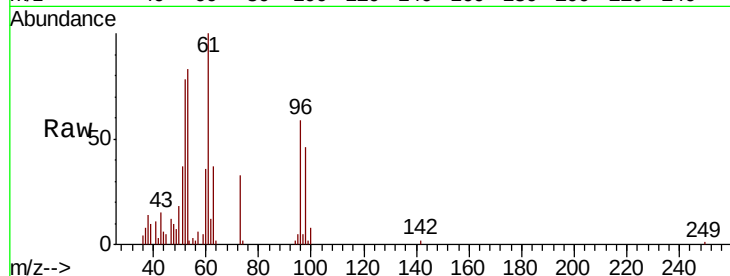
Tot Ion: 53 Resp: 60414

Ion Ratio Lower Upper

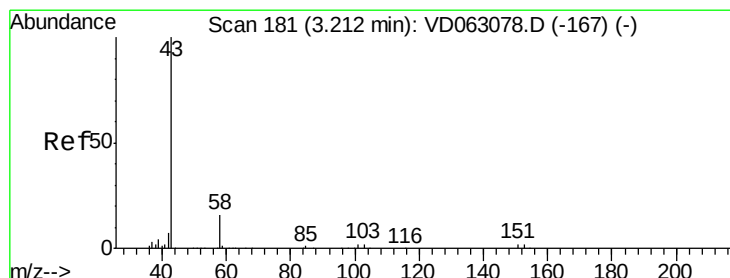
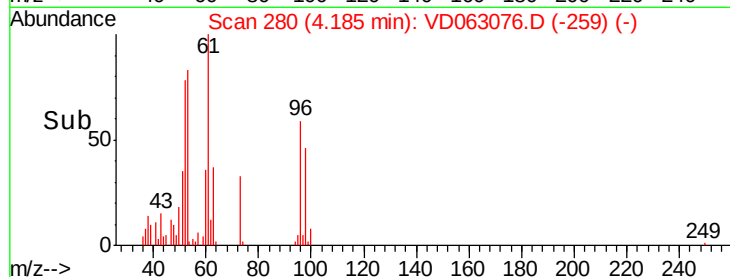
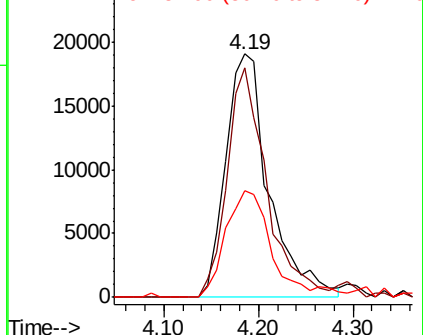
53 100

52 94.2 72.3 108.5

51 43.9 38.0 57.0



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



#16

Acetone

Concen: 46.327 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063076.D

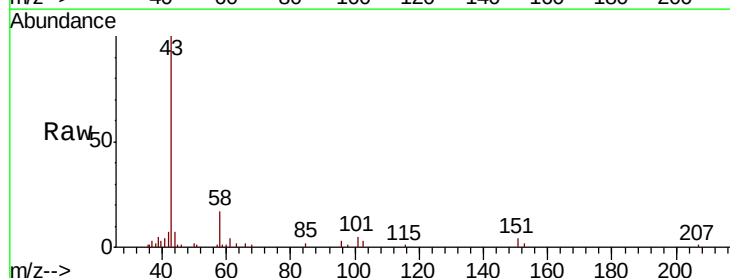
Acq: 15 Jul 2019 10:57

Tgt Ion: 43 Resp: 98814

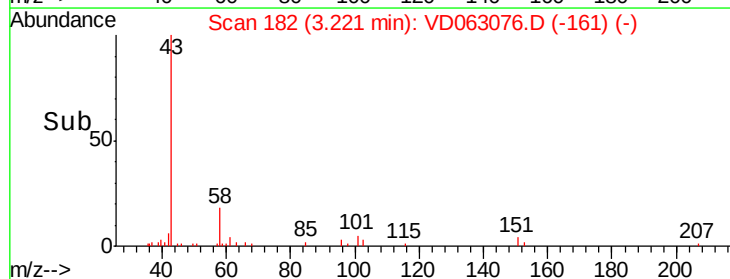
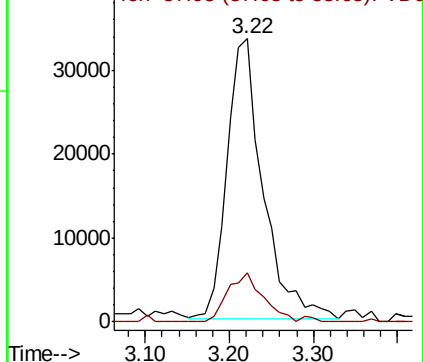
Ion Ratio Lower Upper

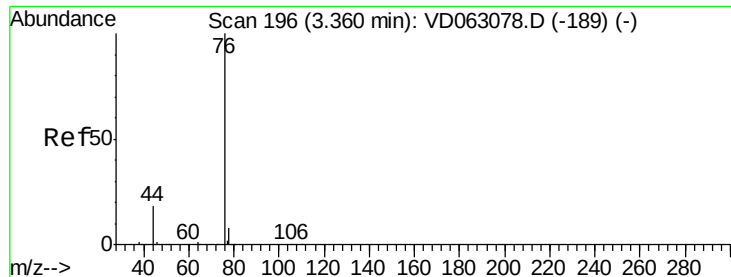
43 100

58 17.4 13.0 19.4



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





#17

Carbon Disulfide

Concen: 10.082 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

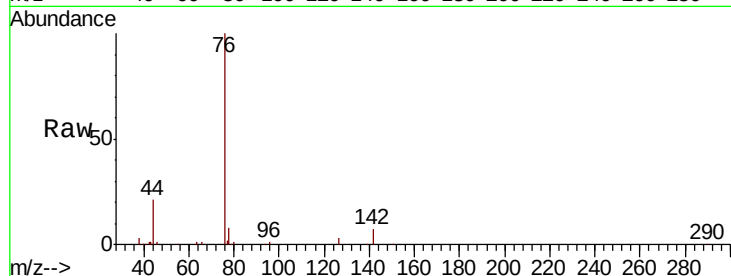
VSTDIC010

Tot Ion: 76 Resp: 204567

Ion Ratio Lower Upper

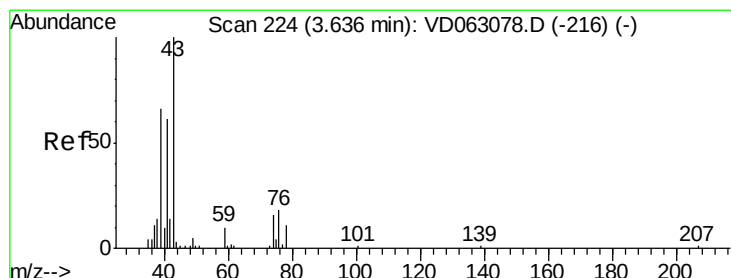
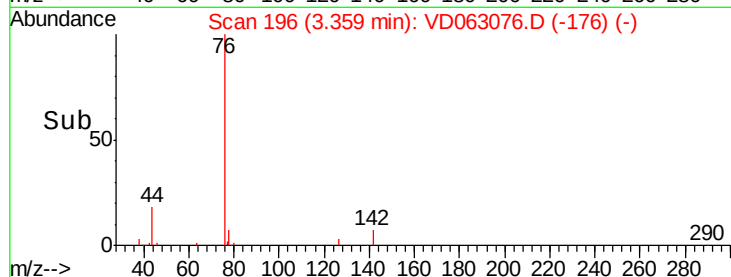
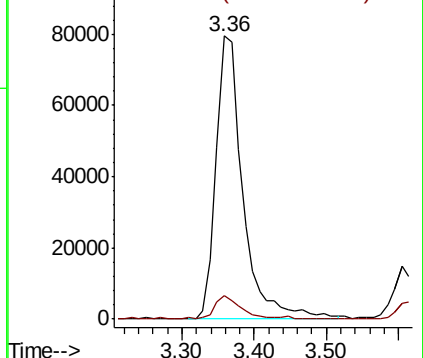
76 100

78 8.2 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 17.865 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD063076.D

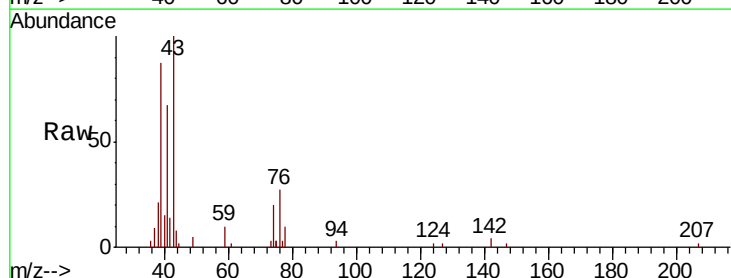
Acq: 15 Jul 2019 10:57

Tgt Ion: 43 Resp: 49724

Ion Ratio Lower Upper

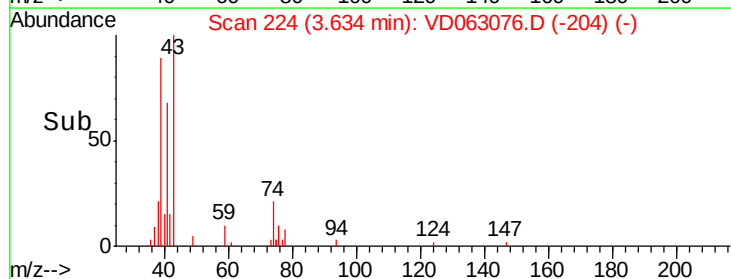
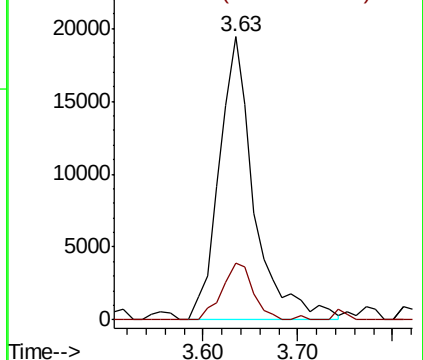
43 100

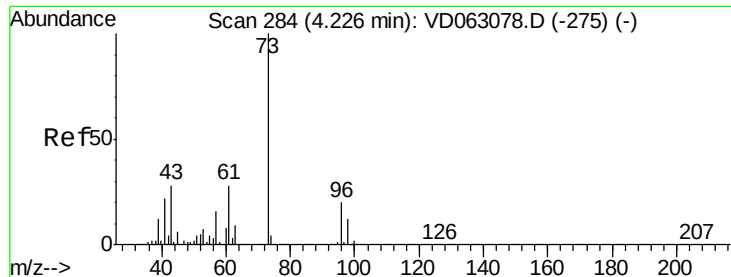
74 20.1 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



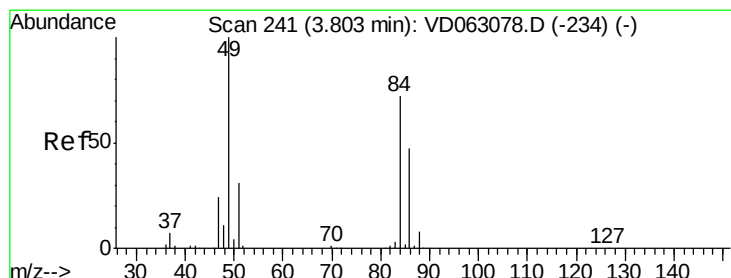
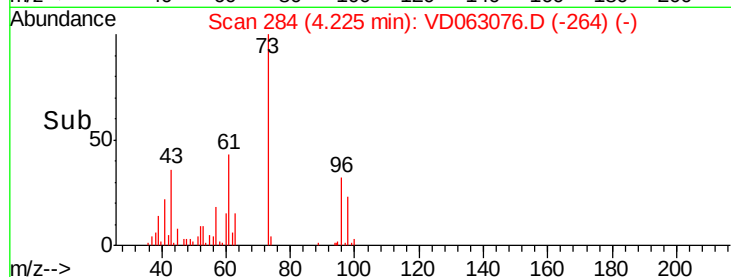
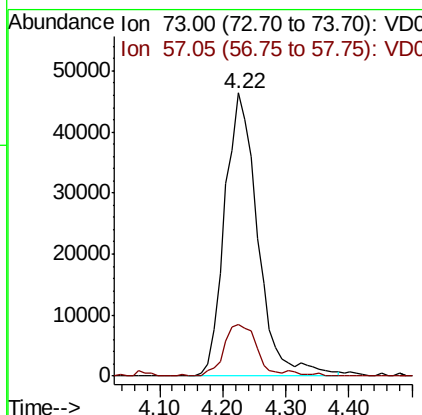
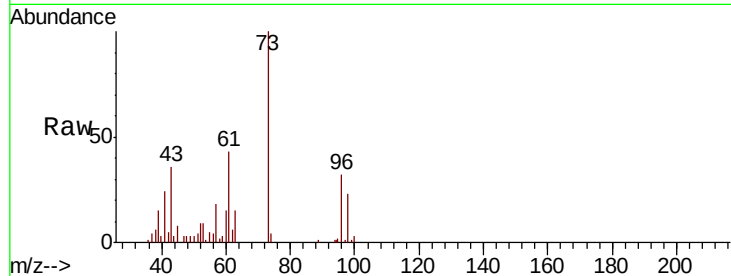


#19

Methyl tert-butyl Ether
 Concen: 11.623 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

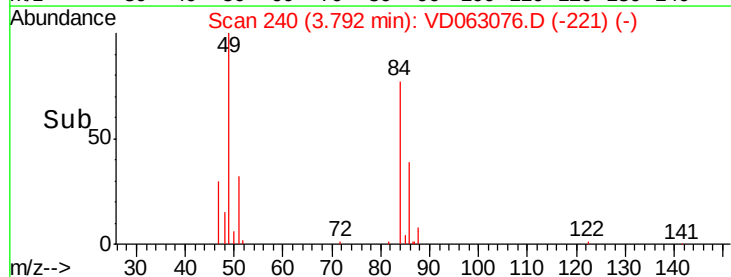
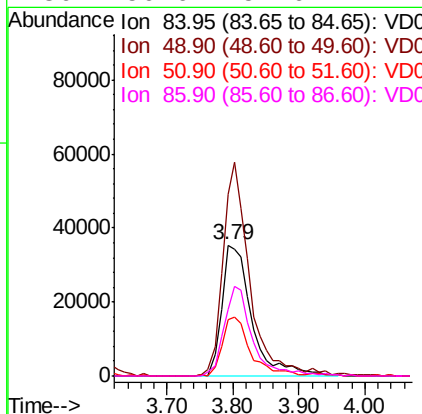
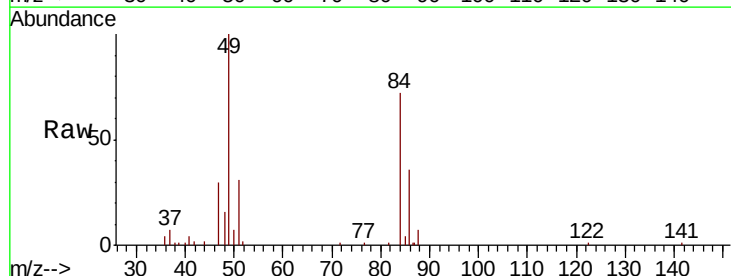
Tot Ion: 73 Resp: 168454
 Ion Ratio Lower Upper
 73 100
 57 18.4 13.1 19.7

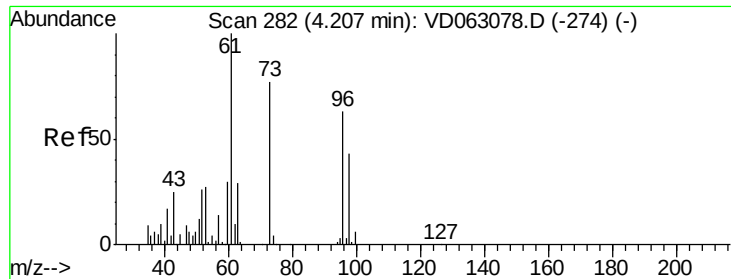


#20

Methylene Chloride
 Concen: 15.748 ug/l
 RT: 3.79 min Scan# 240
 Delta R.T. -0.01 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Tgt Ion: 84 Resp: 111590
 Ion Ratio Lower Upper
 84 100
 49 138.8 110.5 165.7
 51 43.1 34.6 51.8
 86 50.6 51.6 77.4#





#21

trans-1,2-Dichloroethene

Concen: 11.077 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

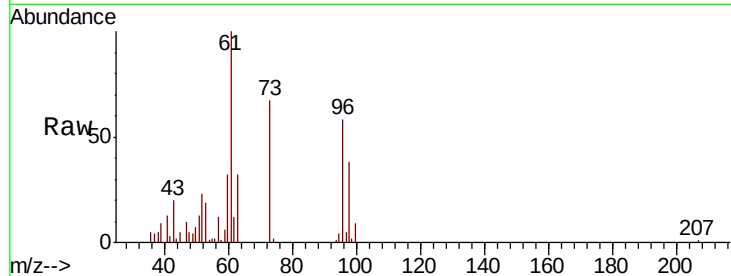
Tot Ion: 96 Resp: 76775

Ion Ratio Lower Upper

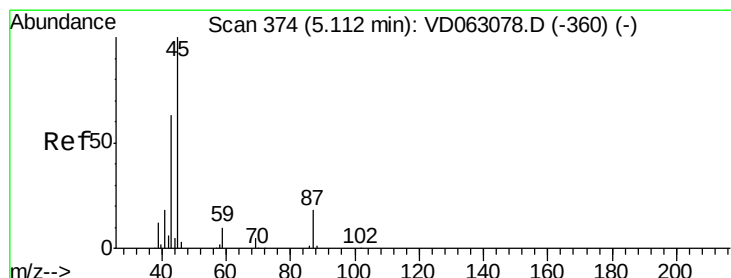
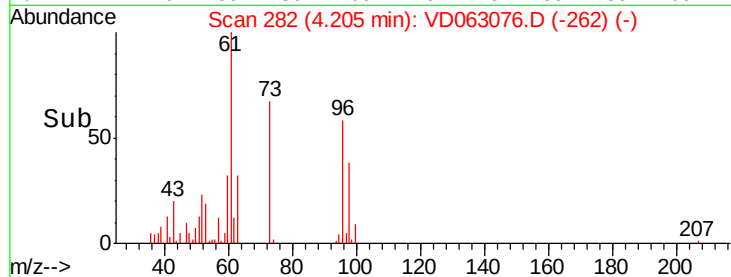
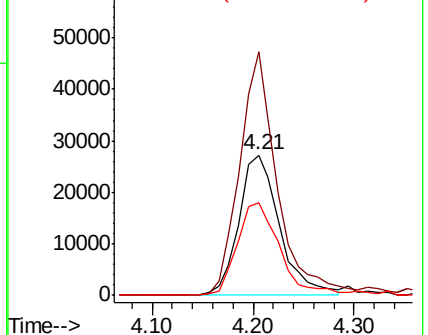
96 100

61 173.3 128.0 192.0

98 65.9 55.2 82.8



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



#22

Diisopropyl ether

Concen: 11.722 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Tgt Ion: 45 Resp: 237491

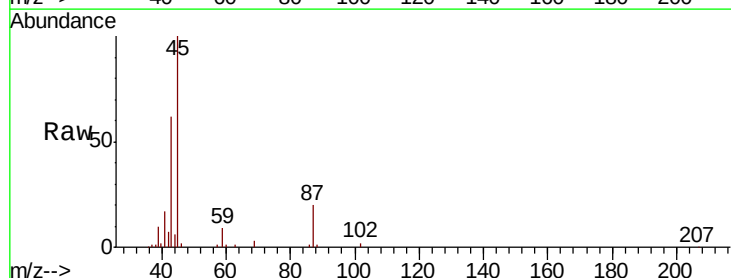
Ion Ratio Lower Upper

45 100

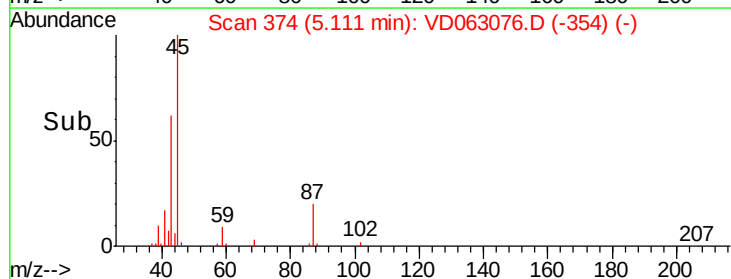
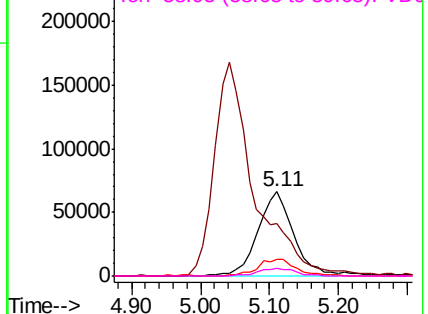
43 62.4 50.5 75.7

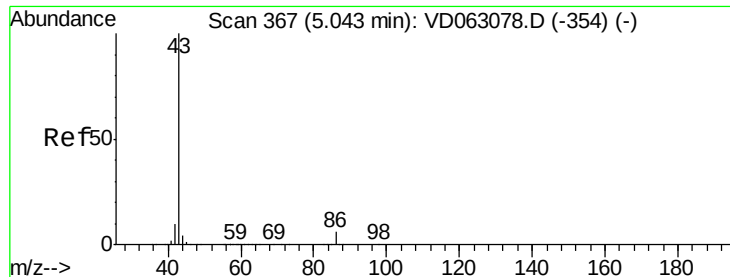
87 19.8 15.1 22.7

59 8.9 7.6 11.4



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





#23

Vinyl Acetate

Concen: 53.066 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

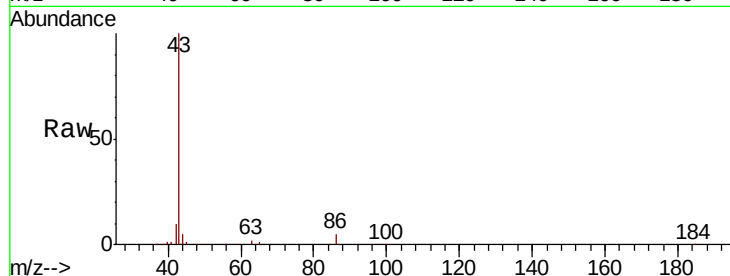
VSTDIC010

Tot Ion: 43 Resp: 669773

Ion Ratio Lower Upper

43 100

86 5.0 5.0 7.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

150000

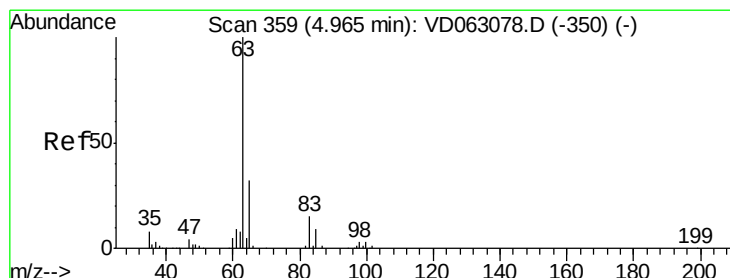
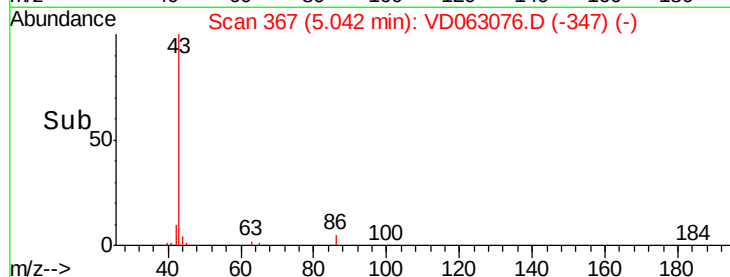
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 11.514 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

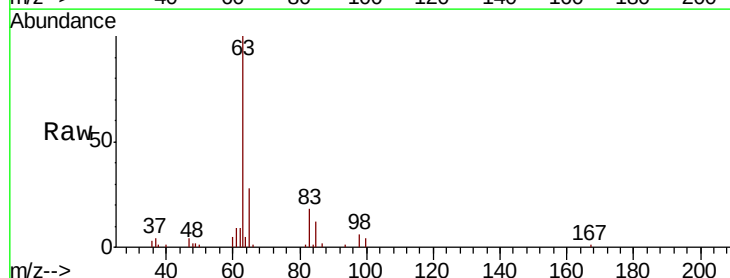
Tgt Ion: 63 Resp: 149736

Ion Ratio Lower Upper

63 100

98 5.9 1.7 5.1#

100 3.5 1.5 4.5



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

4.97

60000

50000

40000

30000

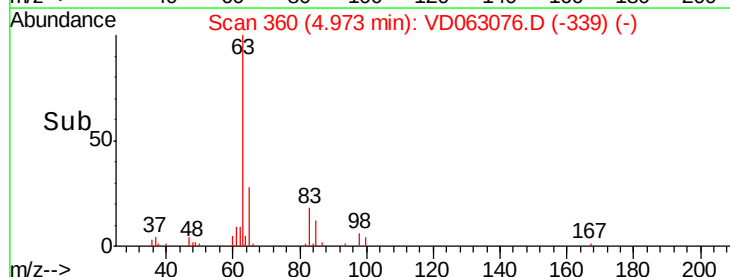
20000

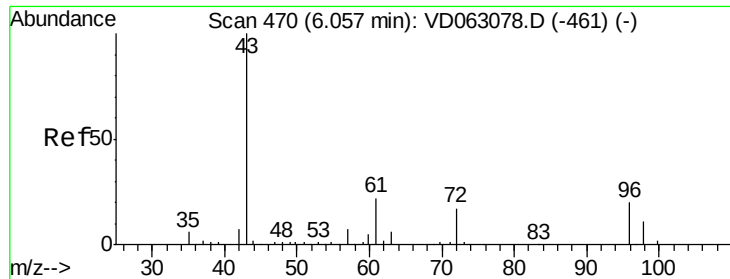
10000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 58.002 ug/l

RT: 6.07 min Scan# 471

Delta R.T. 0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

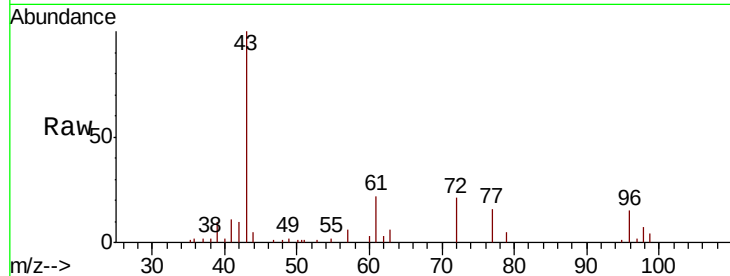
VSTDIC010

Tot Ion: 43 Resp: 102840

Ion Ratio Lower Upper

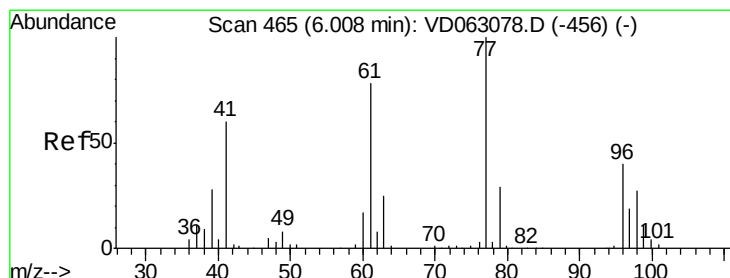
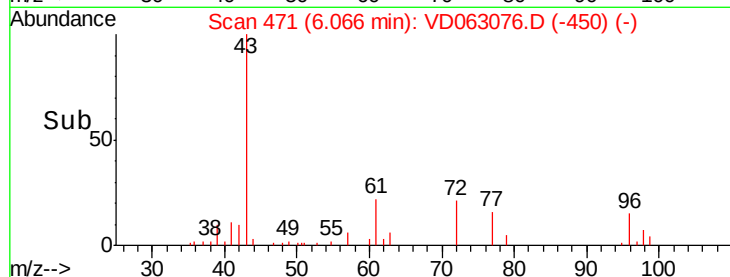
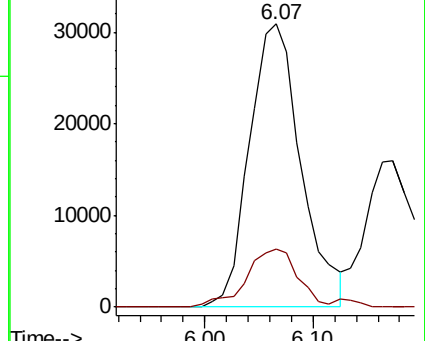
43 100

72 20.7 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 12.153 ug/l

RT: 6.02 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD063076.D

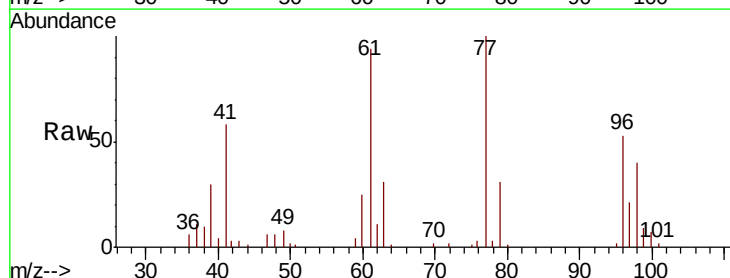
Acq: 15 Jul 2019 10:57

Tgt Ion: 77 Resp: 168191

Ion Ratio Lower Upper

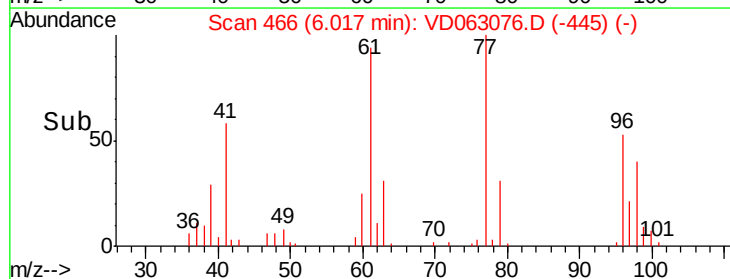
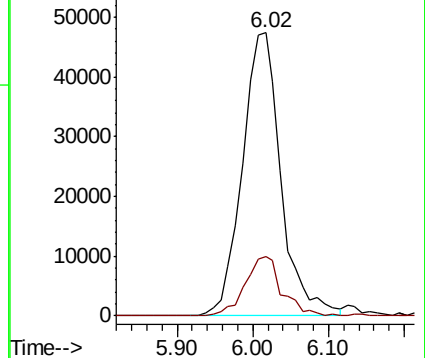
77 100

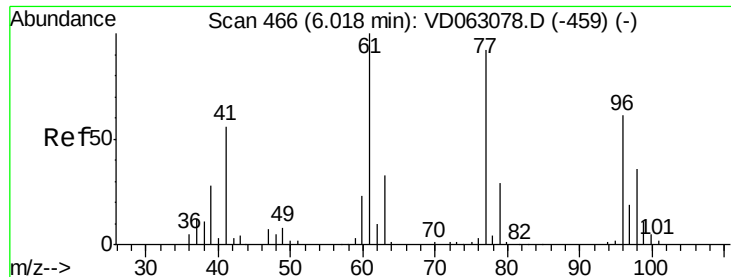
97 20.9 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



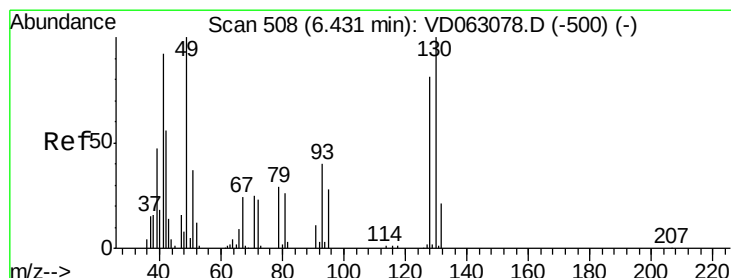
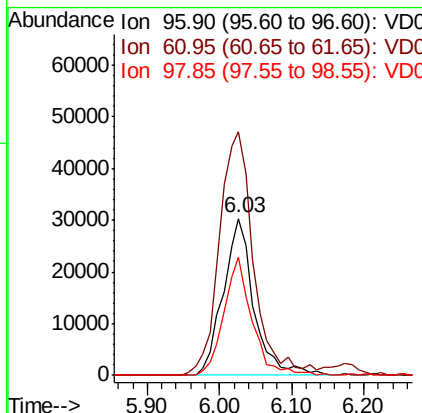
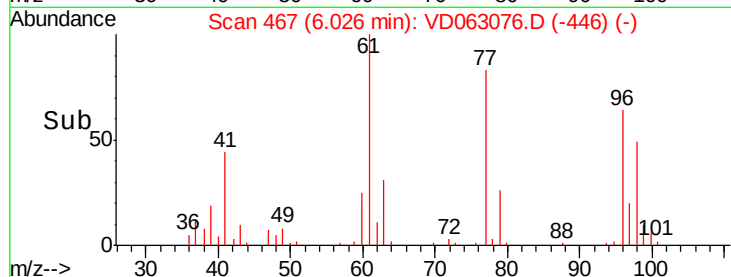
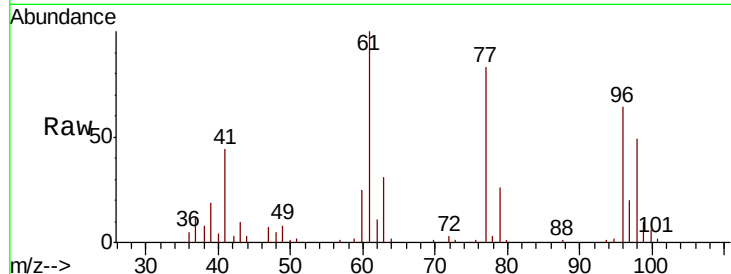


#27

cis-1,2-Dichloroethene
Concen: 11.927 ug/l
RT: 6.03 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

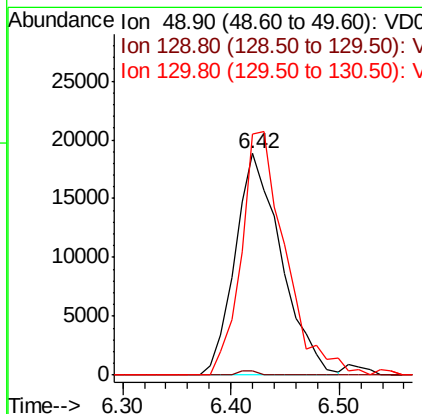
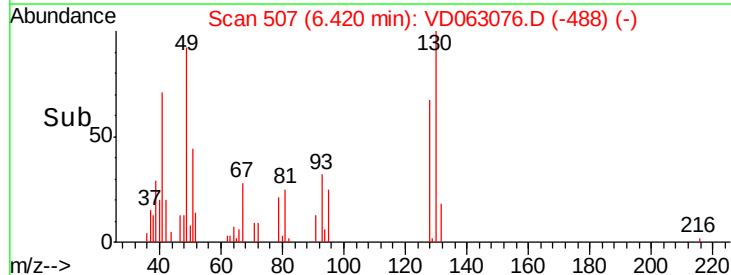
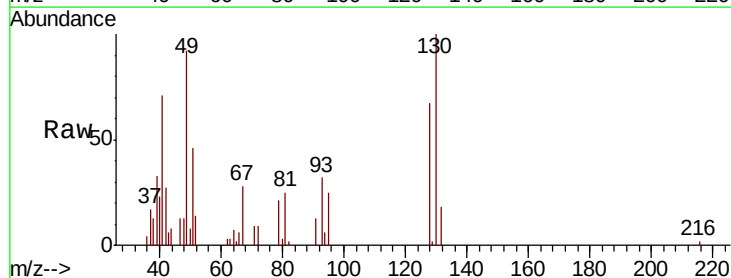
Tot Ion: 96 Resp: 89744
Ion Ratio Lower Upper
96 100
61 155.4 0.0 329.6
98 75.5 0.0 118.4

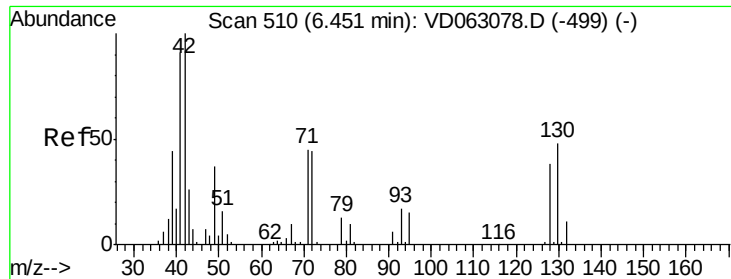


#28

Bromochloromethane
Concen: 12.032 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.01 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion: 49 Resp: 55913
Ion Ratio Lower Upper
49 100
129 2.0 0.0 3.6
130 108.9 80.3 120.5





#29

Tetrahydrofuran

Concen: 59.145 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

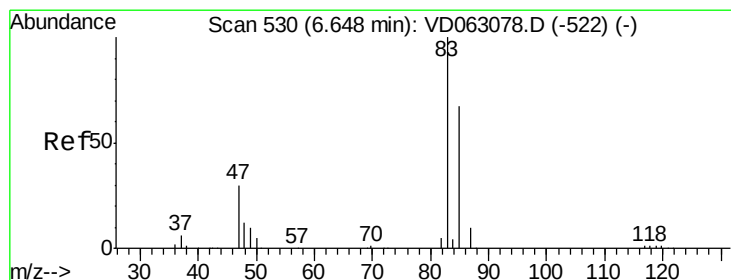
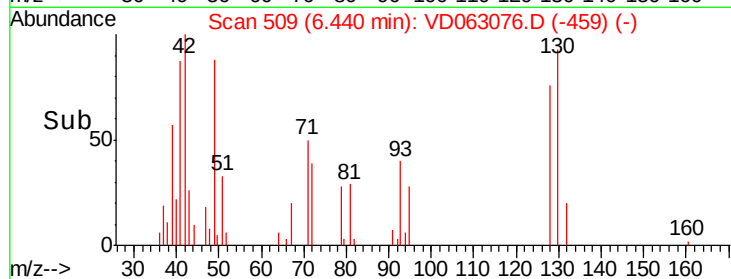
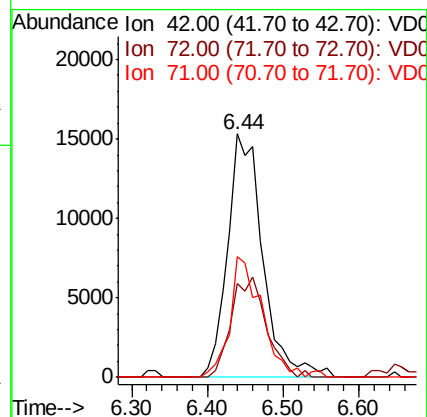
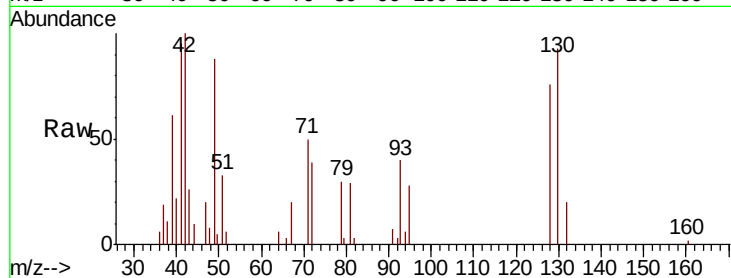
Tot Ion: 42 Resp: 49302

Ion Ratio Lower Upper

42 100

72 41.3 33.7 50.5

71 44.2 34.2 51.2



#30

Chloroform

Concen: 11.953 ug/l

RT: 6.65 min Scan# 530

Delta R.T. -0.00 min

Lab File: VD063076.D

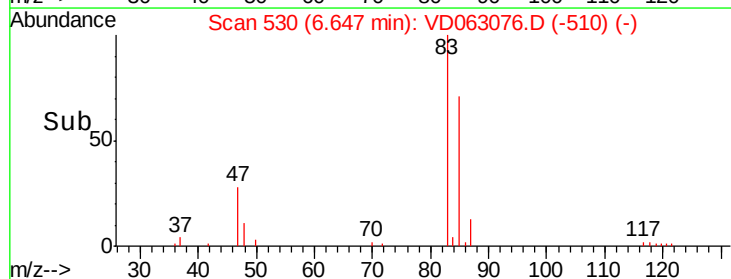
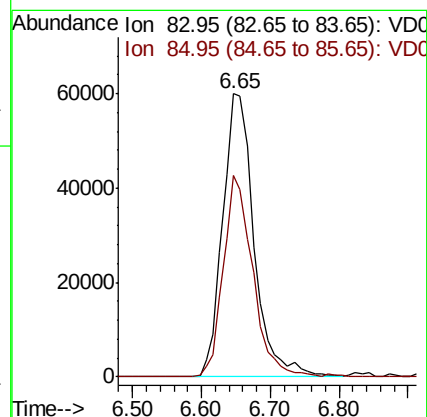
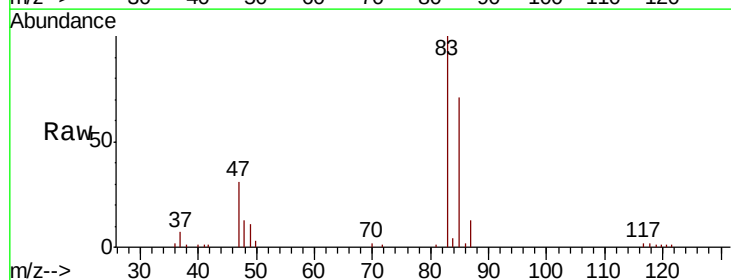
Acq: 15 Jul 2019 10:57

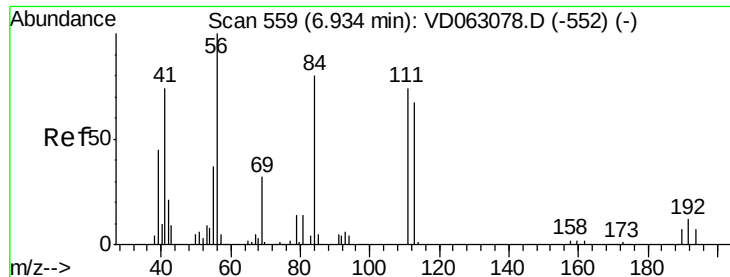
Tgt Ion: 83 Resp: 188699

Ion Ratio Lower Upper

83 100

85 71.0 53.8 80.8

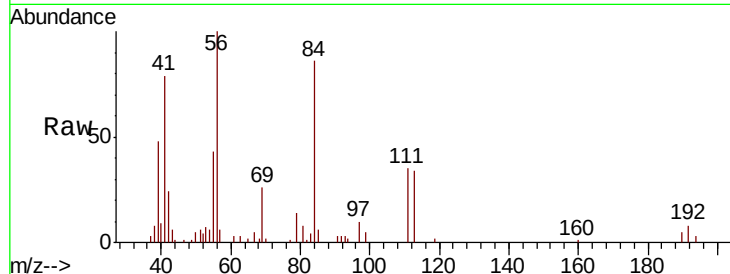




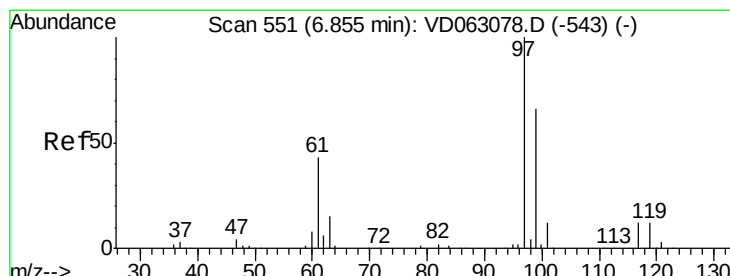
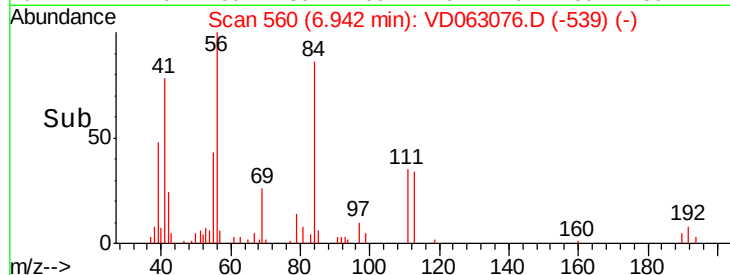
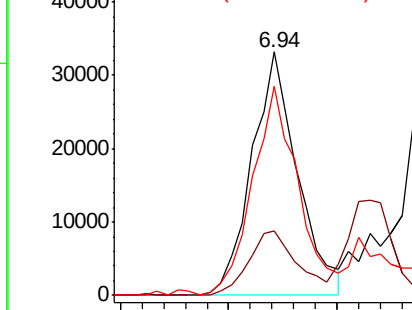
#31
Cyclohexane
Concen: 11.653 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 56 Resp: 97976
Ion Ratio Lower Upper
56 100
69 26.2 25.3 37.9
84 85.7 64.2 96.4

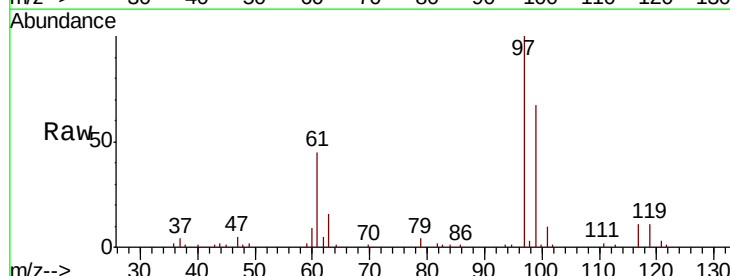


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

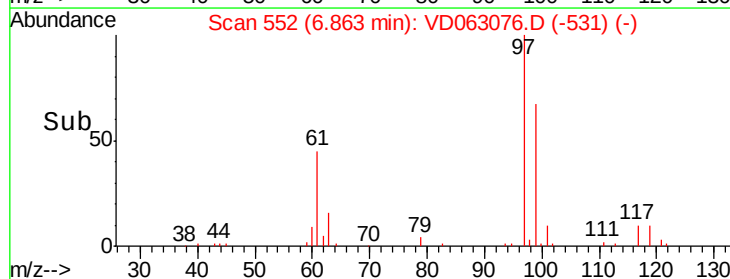
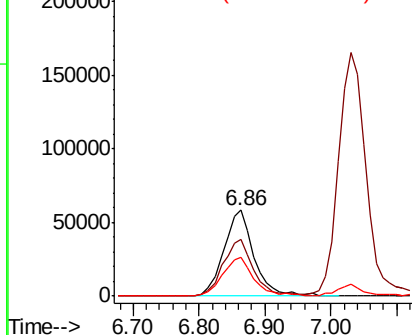


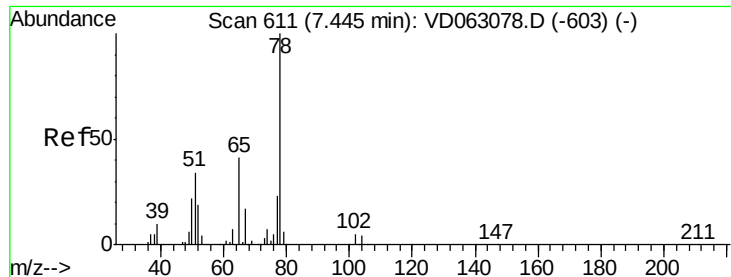
#32
1,1,1-Trichloroethane
Concen: 11.434 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.01 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion: 97 Resp: 185779
Ion Ratio Lower Upper
97 100
99 66.6 52.9 79.3
61 45.5 34.4 51.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

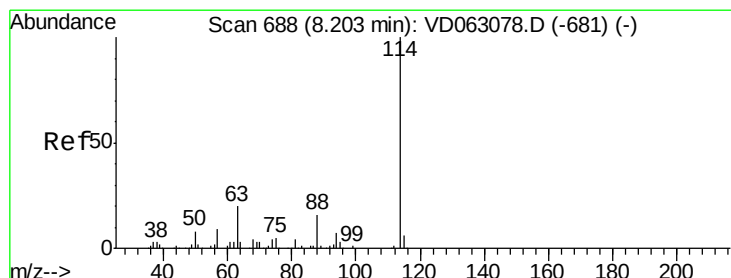
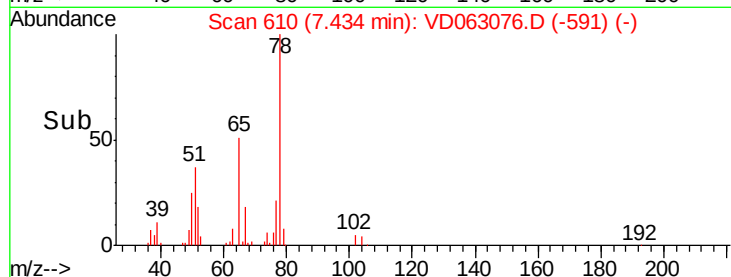
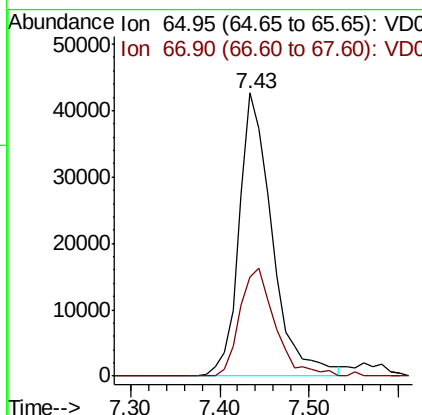
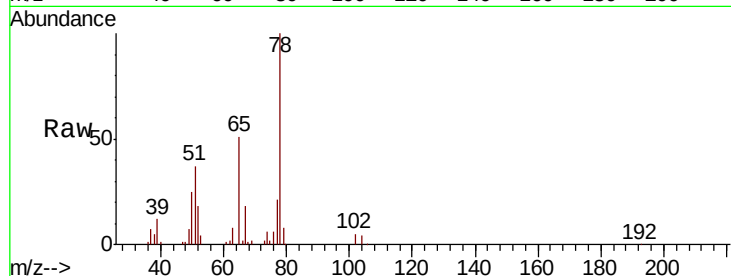




#33
 1,2-Dichloroethane-d4
 Concen: 11.937 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

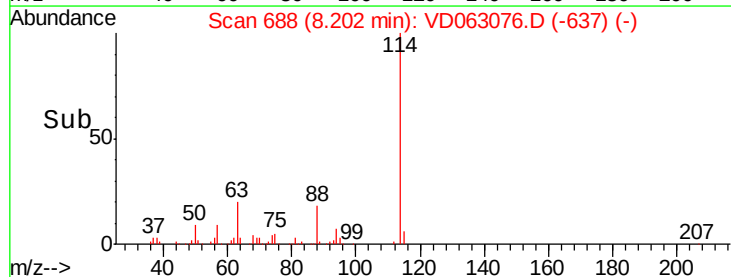
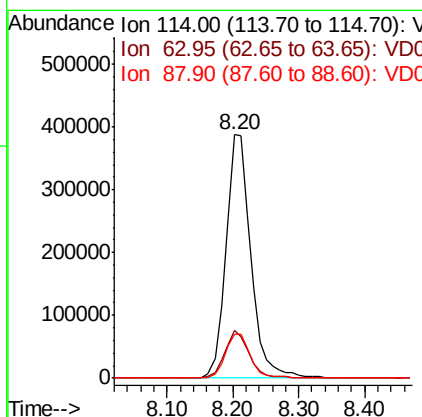
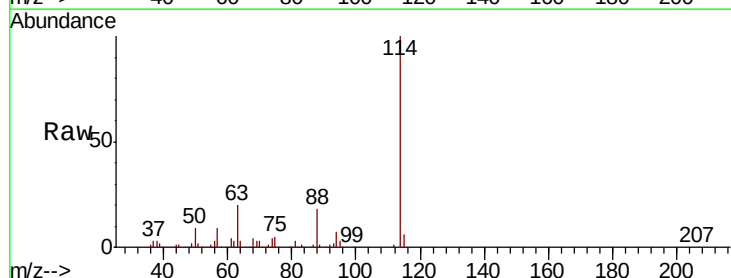
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

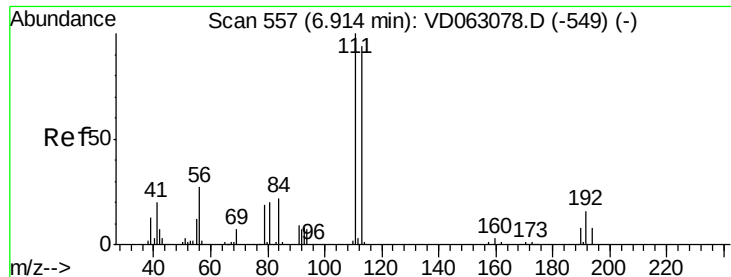
Tot Ion: 65 Resp: 109799
 Ion Ratio Lower Upper
 65 100
 67 35.1 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Tgt Ion: 114 Resp: 1028813
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.6
 88 18.3 0.0 32.6

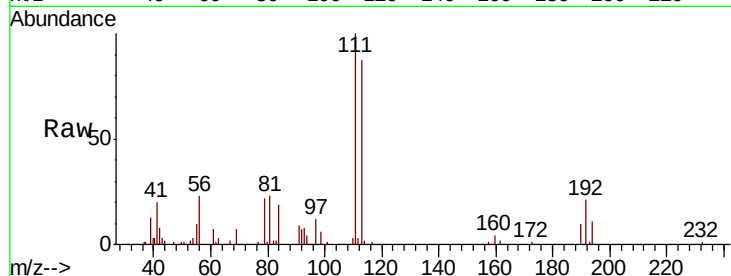




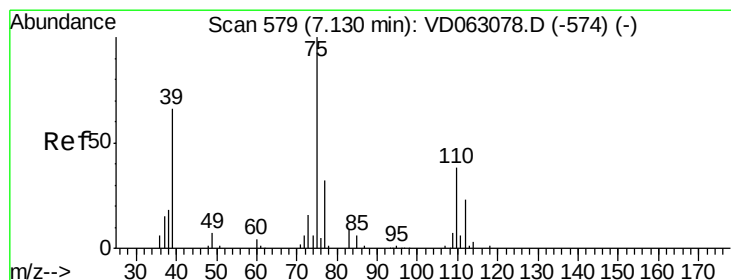
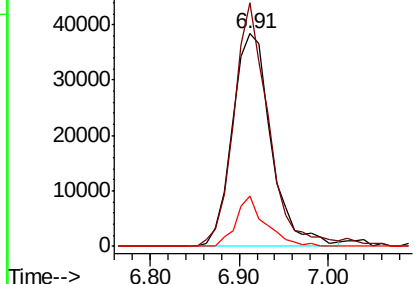
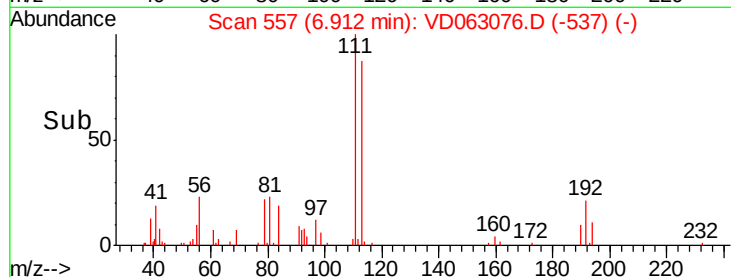
#35
 Dibromofluoromethane
 Concen: 13.052 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:113 Resp: 116493
 Ion Ratio Lower Upper
 113 100
 111 114.4 84.8 127.2
 192 23.9 13.4 20.0#

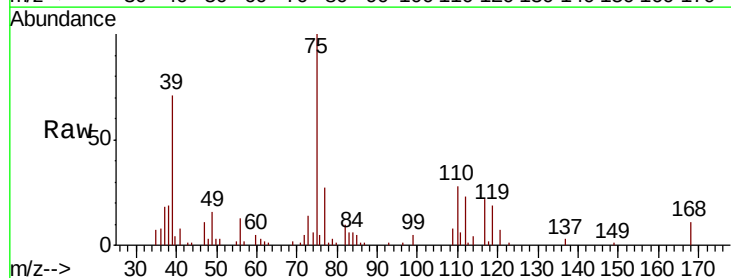


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

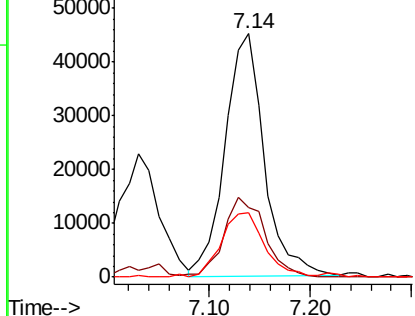
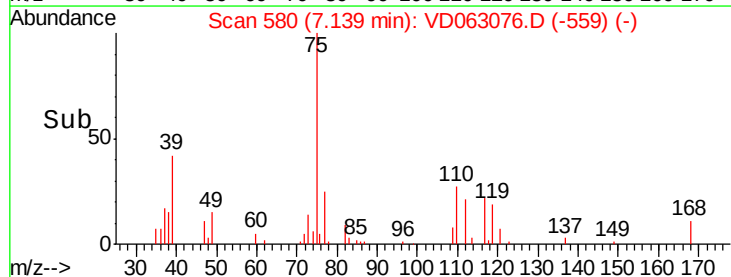


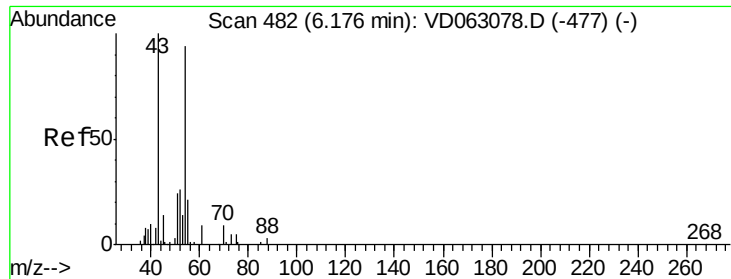
#36
 1,1-Dichloropropene
 Concen: 12.433 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Tgt Ion: 75 Resp: 121227
 Ion Ratio Lower Upper
 75 100
 110 28.5 18.9 56.5
 77 26.7 25.2 37.8



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

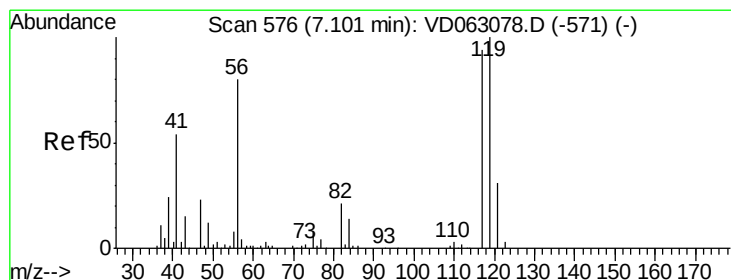
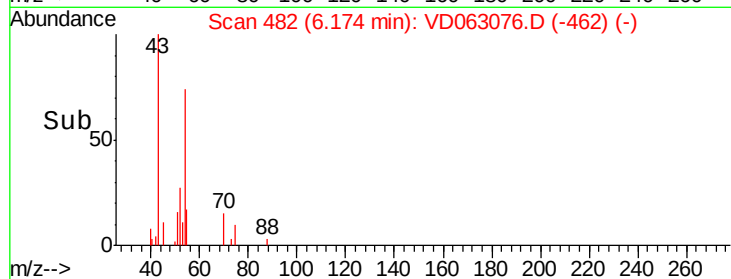
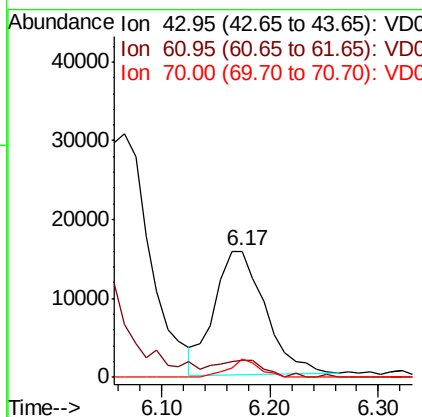
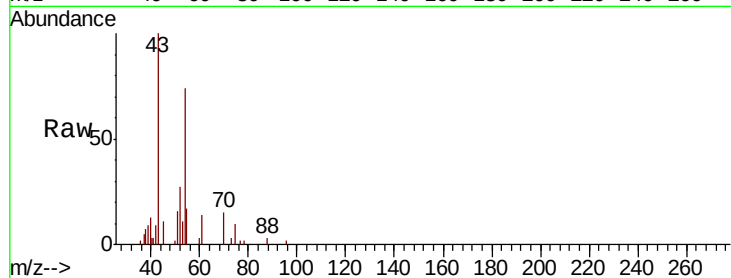




#37
Ethyl Acetate
Concen: 11.218 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

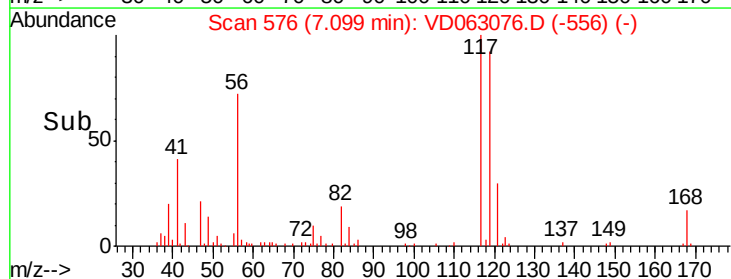
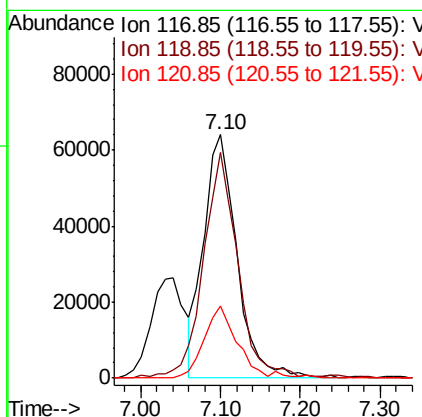
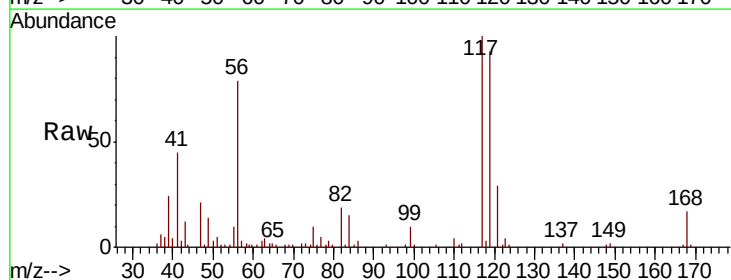
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

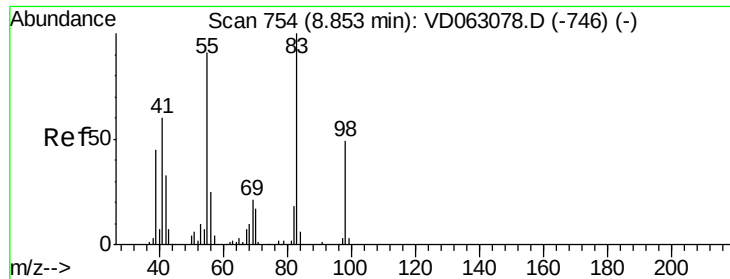
Tot Ion	43	Resp	51291
Ion Ratio	Lower	Upper	
43	100		
61	13.7	10.6	16.0
70	14.7	6.6	9.8#



#38
Carbon Tetrachloride
Concen: 12.693 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion	117	Resp	187240
Ion Ratio	Lower	Upper	
117	100		
119	92.5	80.0	120.0
121	29.4	25.0	37.4

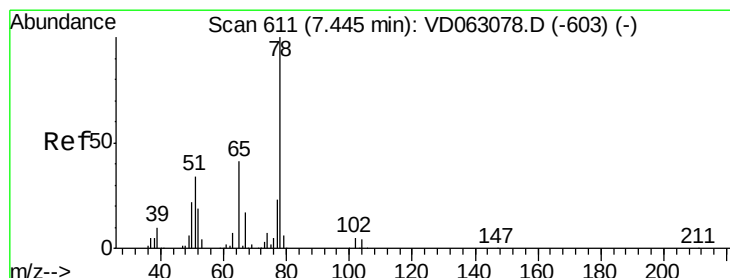
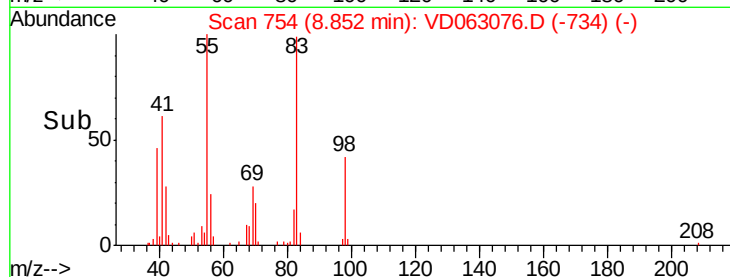
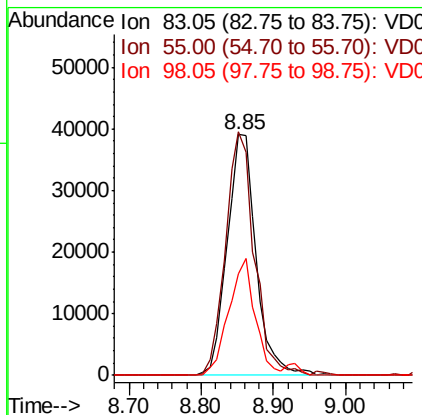
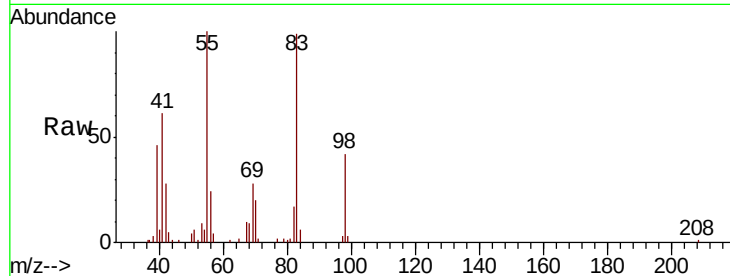




#39
Methylvlcyclohexane
Concen: 12.801 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

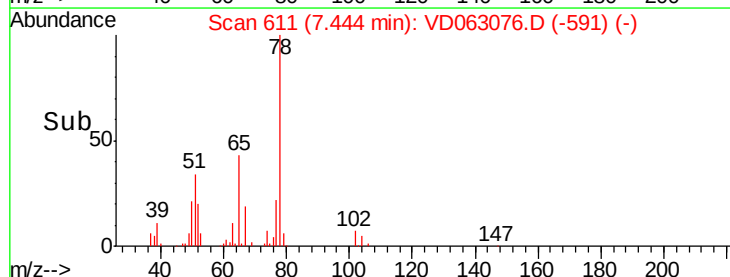
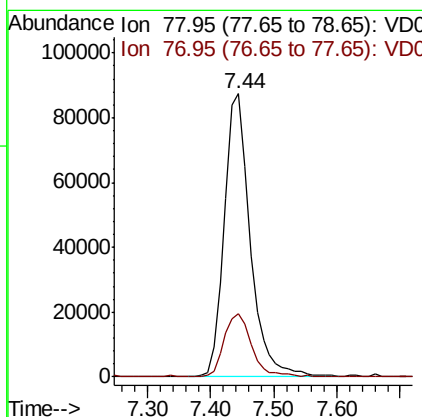
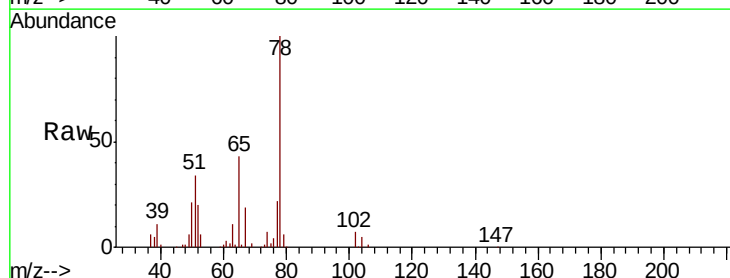
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

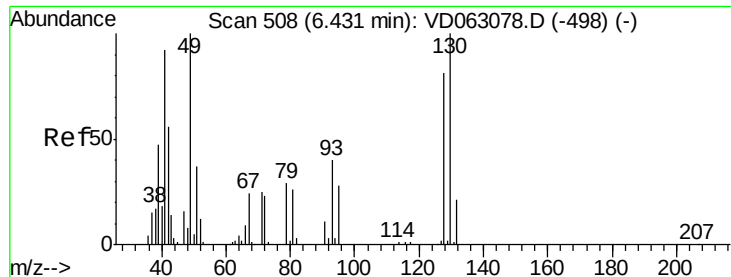
Tot Ion: 83 Resp: 108827
Ion Ratio Lower Upper
83 100
55 101.1 73.0 109.4
98 42.1 39.4 59.0



#40
Benzene
Concen: 12.571 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion: 78 Resp: 250278
Ion Ratio Lower Upper
78 100
77 22.3 18.1 27.1

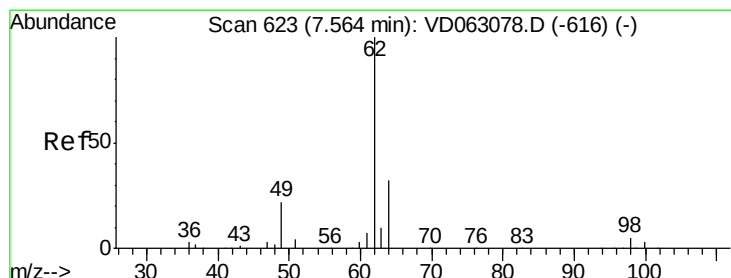
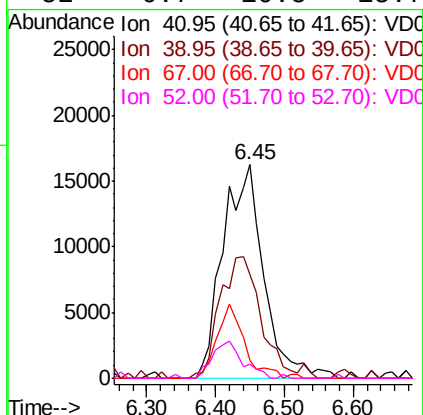
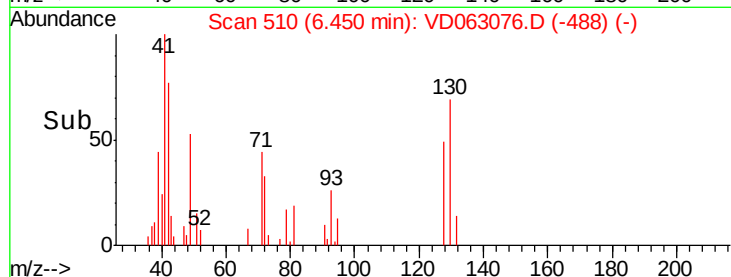
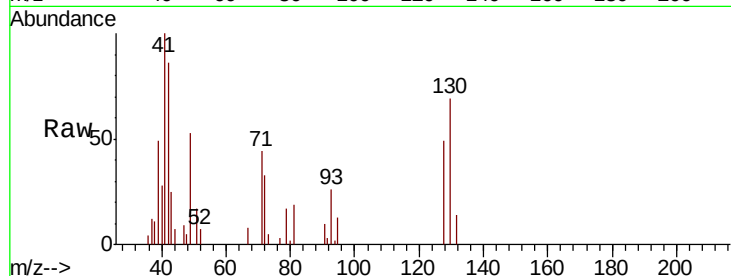




#41
Methacrylonitrile
Concen: 12.663 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

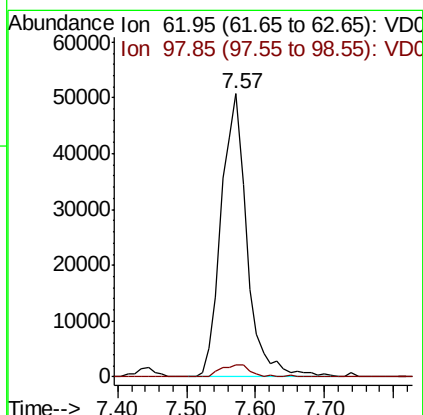
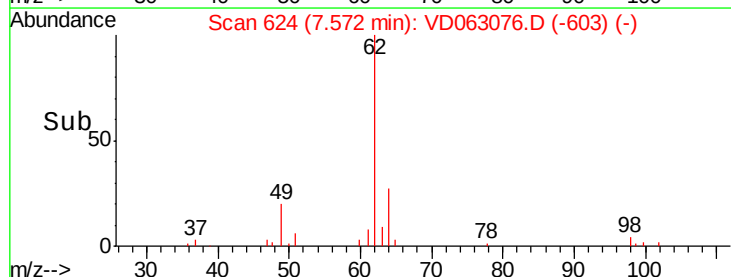
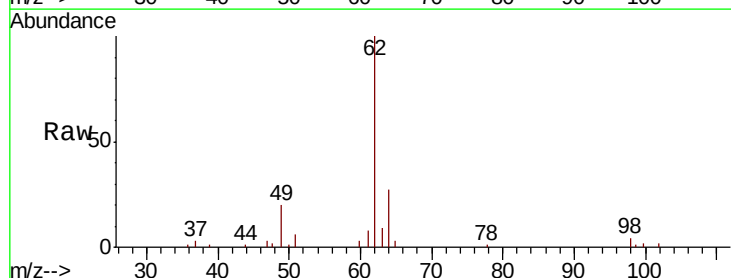
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

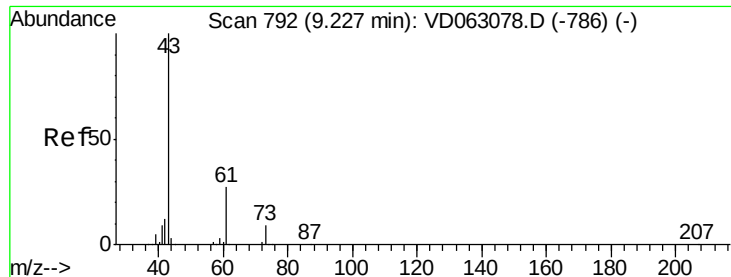
Tot Ion: 41 Resp: 66961
Ion Ratio Lower Upper
41 100
39 48.7 41.0 61.6
67 8.1 21.3 31.9#
52 6.7 10.5 15.7#



#42
1,2-Dichloroethane
Concen: 12.265 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.01 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion: 62 Resp: 131618
Ion Ratio Lower Upper
62 100
98 4.4 0.0 9.6





#43

Isopropyl Acetate

Concen: 13.069 ug/l

RT: 9.24 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

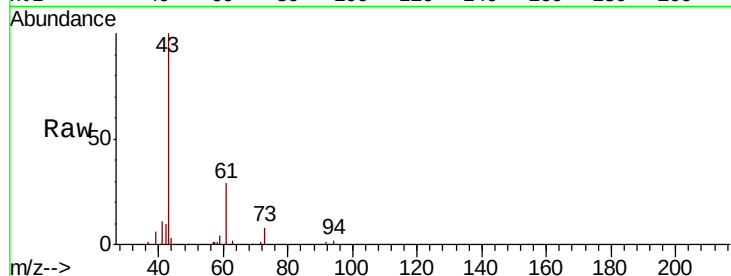
Tot Ion: 43 Resp: 69614

Ion Ratio Lower Upper

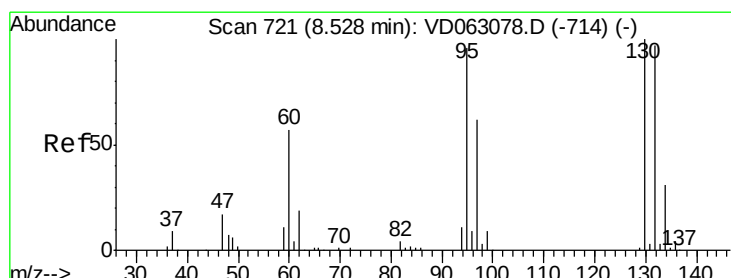
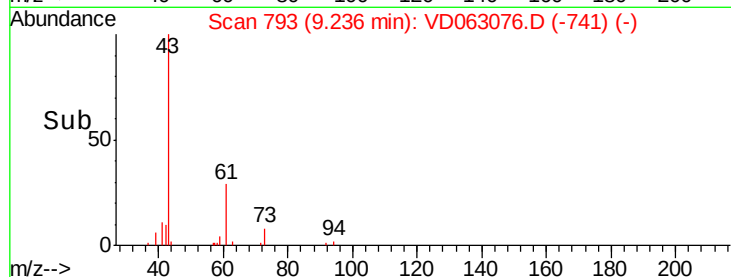
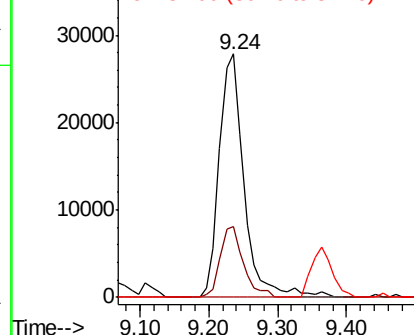
43 100

61 29.1 21.7 32.5

87 0.0 0.2 0.4#



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: 12.462 ug/l

RT: 8.53 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD063076.D

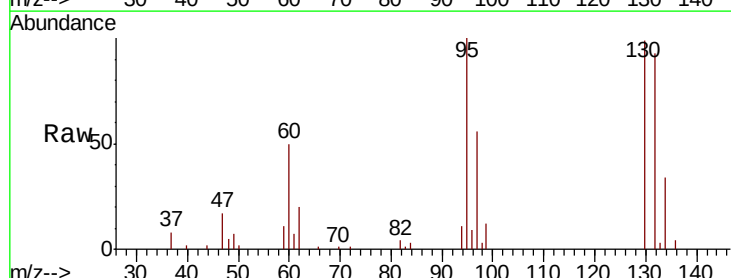
Acq: 15 Jul 2019 10:57

Tgt Ion:130 Resp: 95874

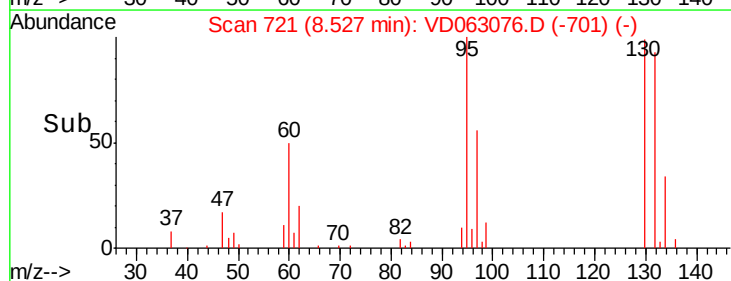
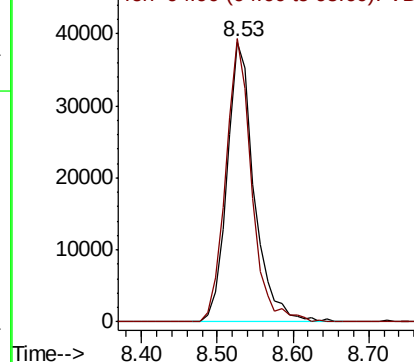
Ion Ratio Lower Upper

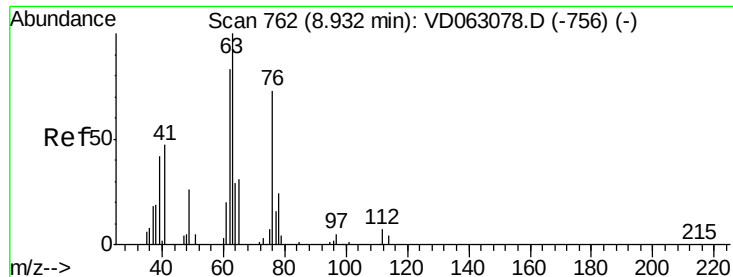
130 100

95 101.0 0.0 191.4



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

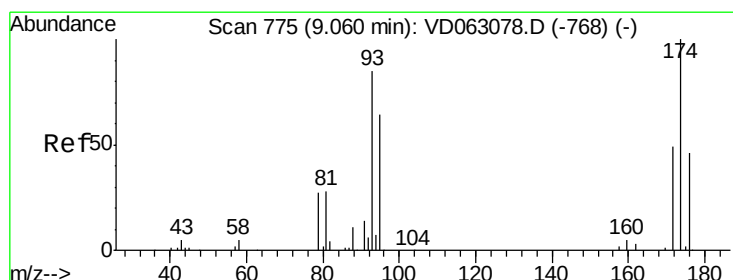
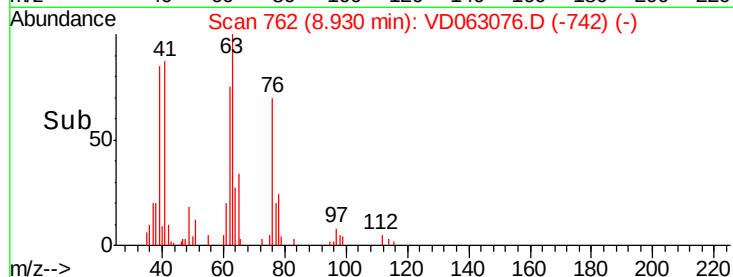
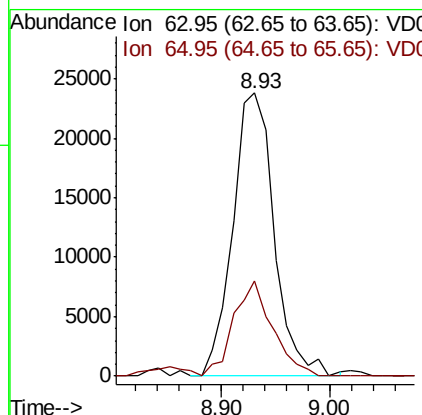
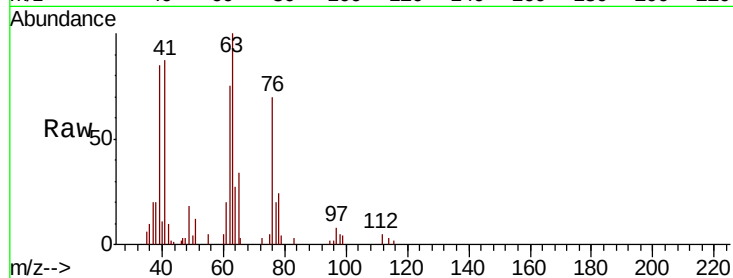




#45
 1,2-Dichloropropane
 Concen: 12.835 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

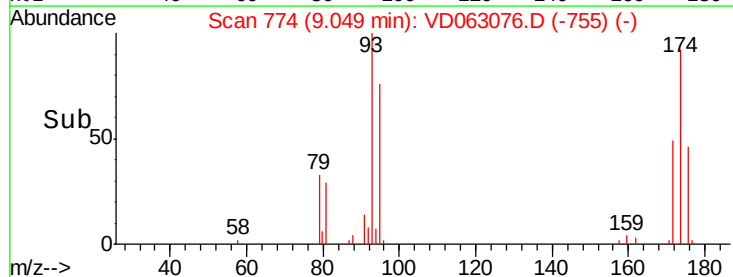
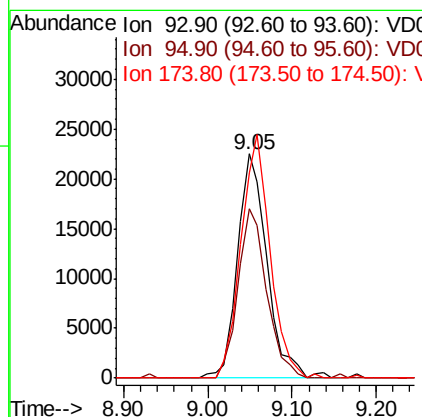
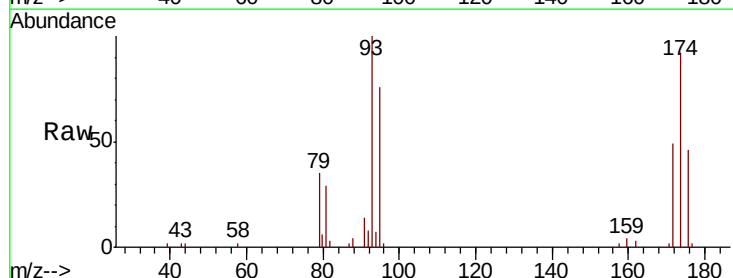
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

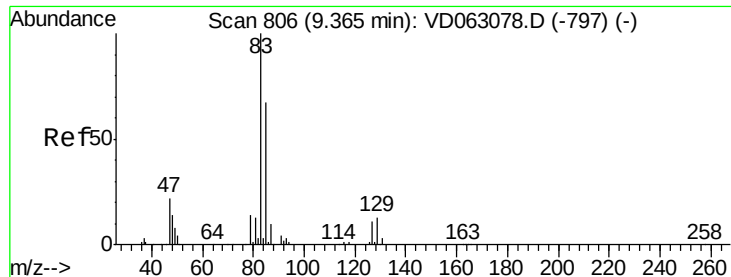
Tot Ion: 63 Resp: 63399
 Ion Ratio Lower Upper
 63 100
 65 36.7 26.3 39.5



#46
 Dibromomethane
 Concen: 12.804 ug/l
 RT: 9.05 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Tgt Ion: 93 Resp: 54736
 Ion Ratio Lower Upper
 93 100
 95 75.9 59.7 89.5
 174 91.7 93.9 140.9#





#47

Bromodichloromethane

Concen: 12.824 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

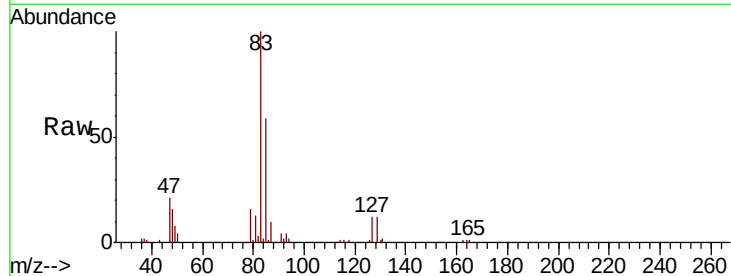
Tot Ion: 83 Resp: 140674

Ion Ratio Lower Upper

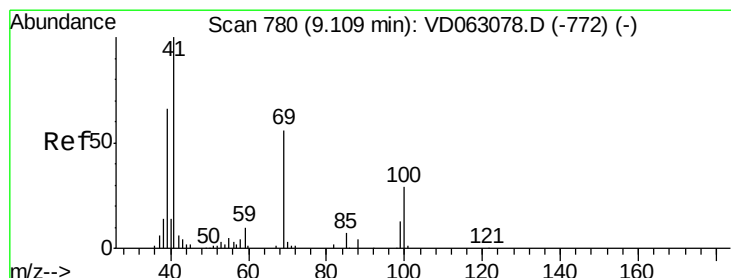
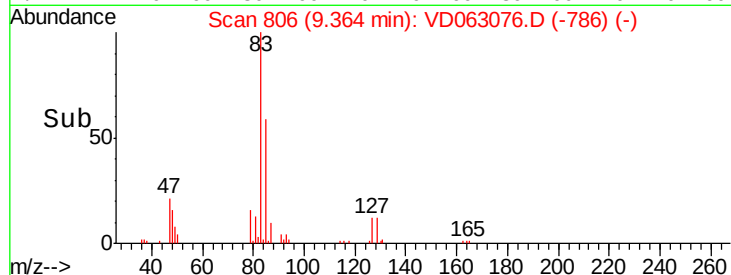
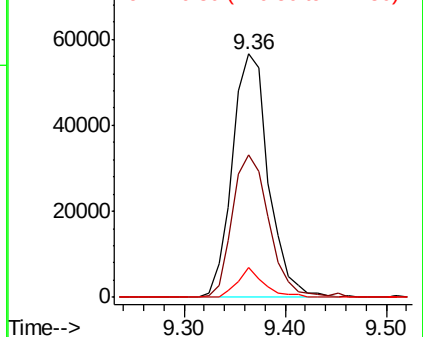
83 100

85 58.7 53.7 80.5

127 12.2 9.0 13.6



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: 12.425 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

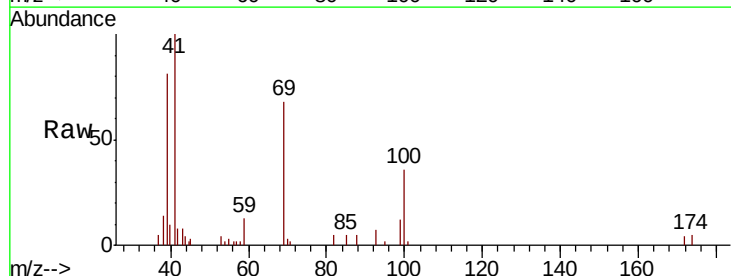
Tgt Ion: 41 Resp: 46694

Ion Ratio Lower Upper

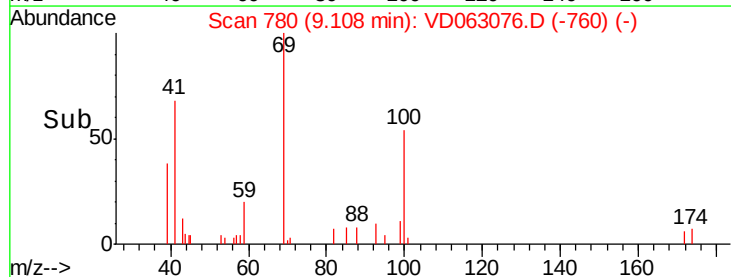
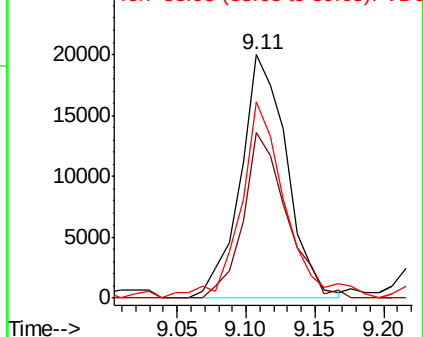
41 100

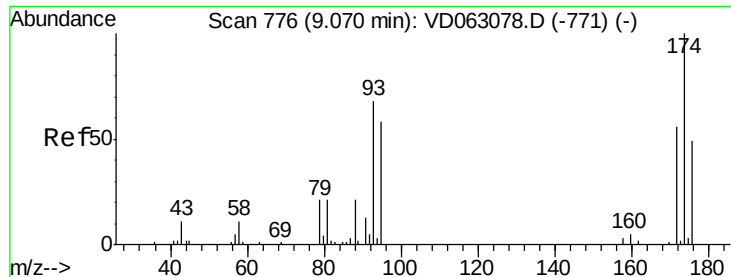
69 68.0 44.3 66.5#

39 80.8 52.6 78.8#



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

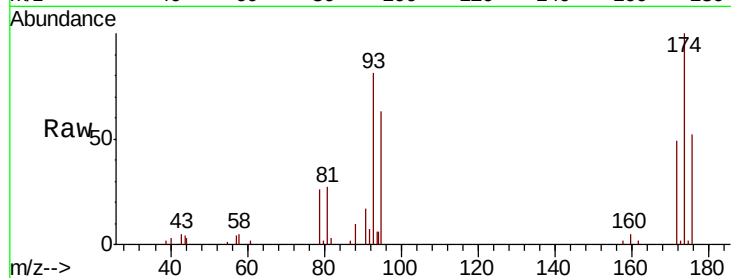




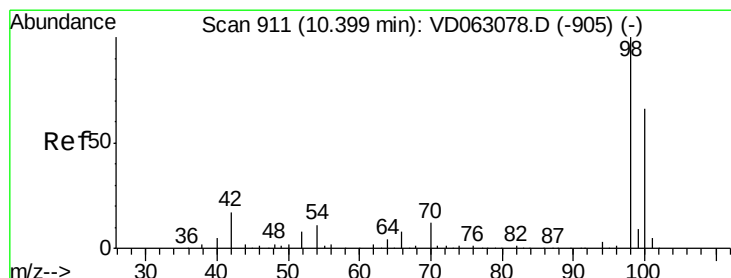
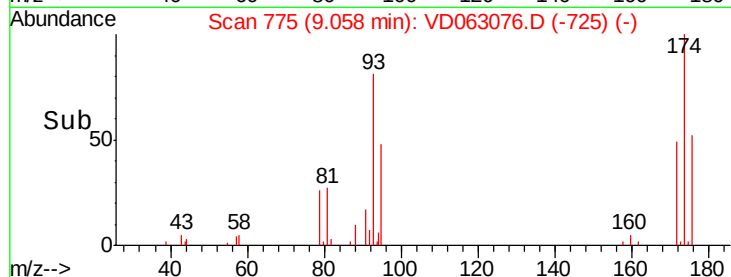
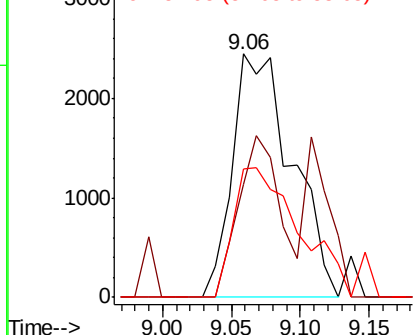
#49
1,4-Dioxane
Concen: 230.999 ug/l
RT: 9.06 min Scan# 775
Delta R.T. -0.01 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 7367
Ion Ratio Lower Upper
88 100
43 46.7 40.2 60.4
58 52.6 41.6 62.4

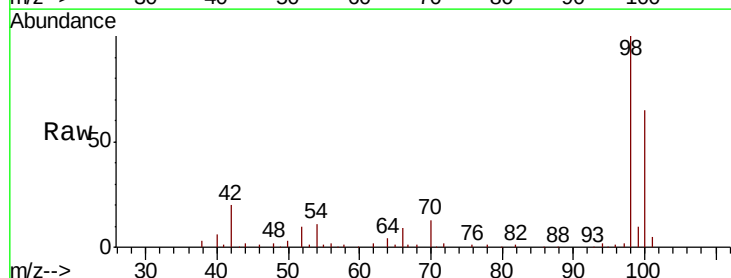


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

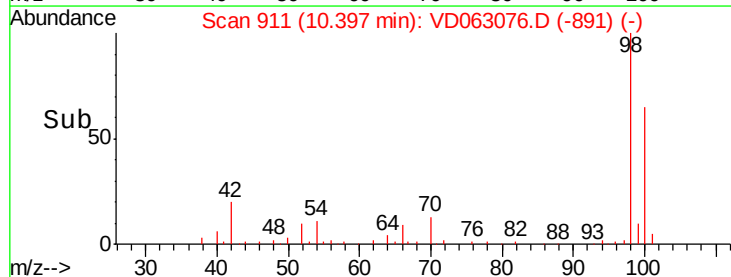
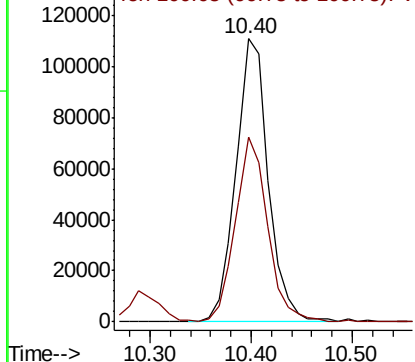


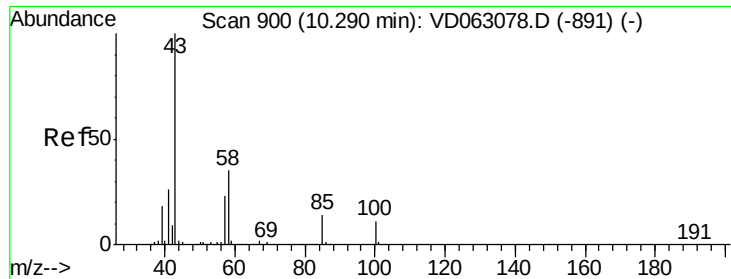
#50
Toluene-d8
Concen: 12.971 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion: 98 Resp: 247750
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3



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

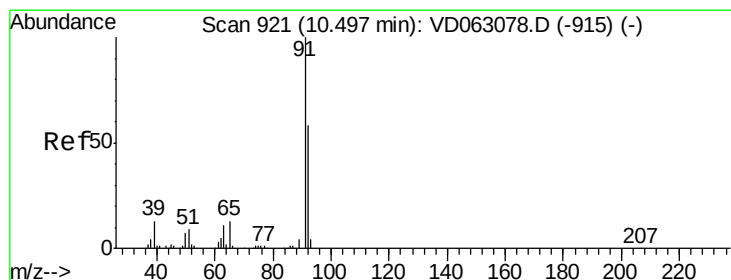
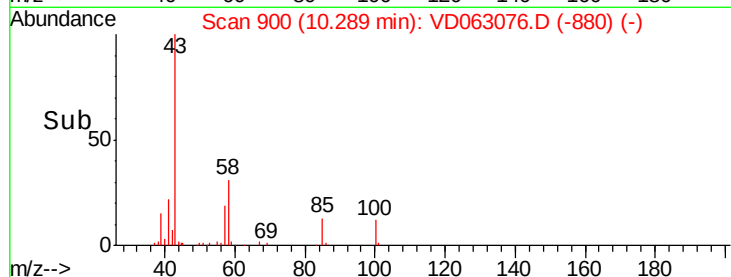
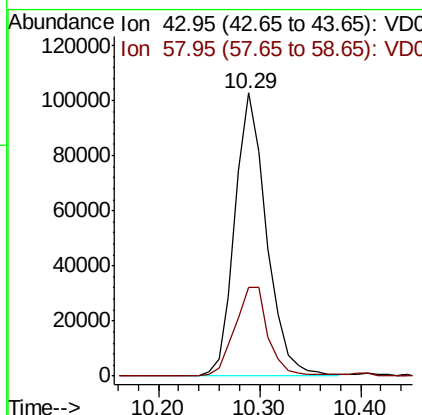
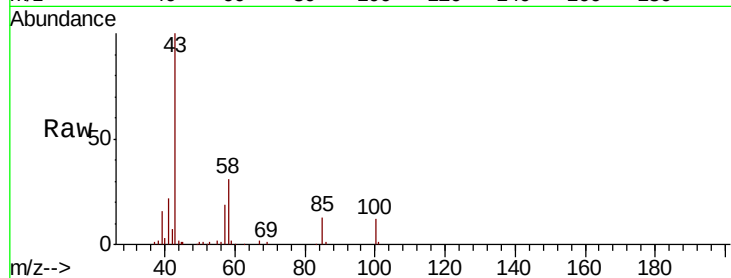




#51
 4-Methyl-2-Pentanone
 Concen: 59.267 ug/l
 RT: 10.29 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

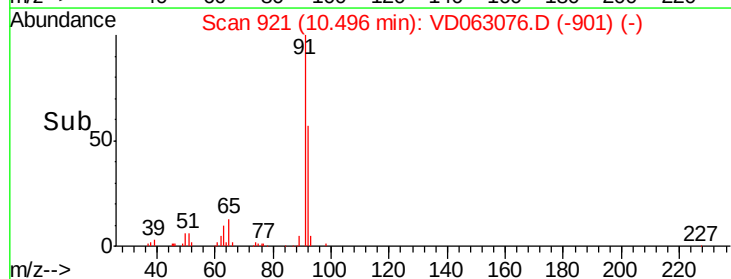
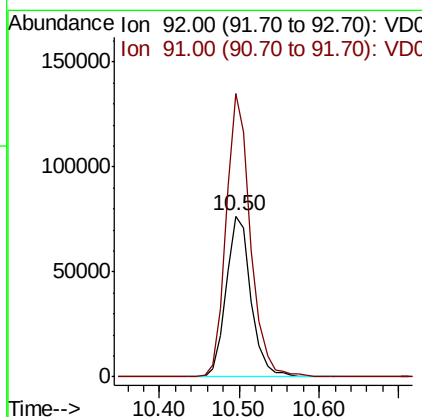
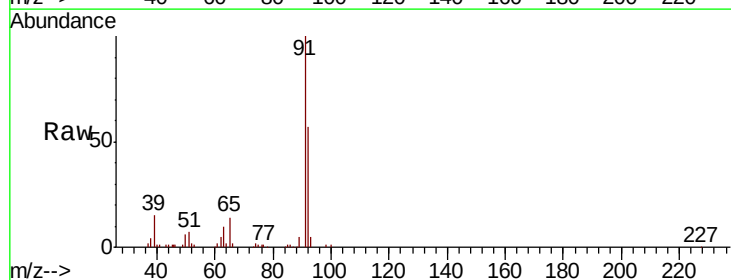
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

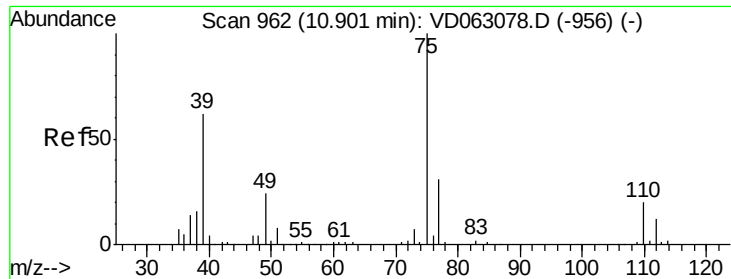
Tot Ion: 43 Resp: 224337
 Ion Ratio Lower Upper
 43 100
 58 31.4 27.8 41.6



#52
 Toluene
 Concen: 12.684 ug/l
 RT: 10.50 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Tgt Ion: 92 Resp: 168267
 Ion Ratio Lower Upper
 92 100
 91 175.8 137.9 206.9

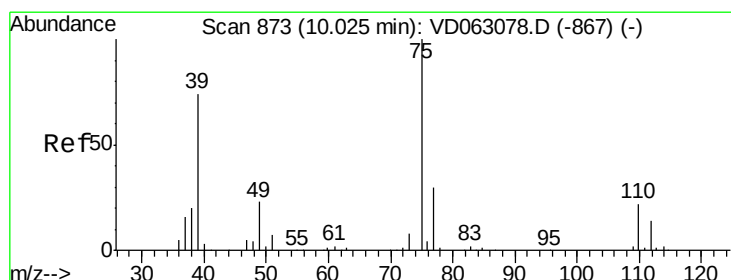
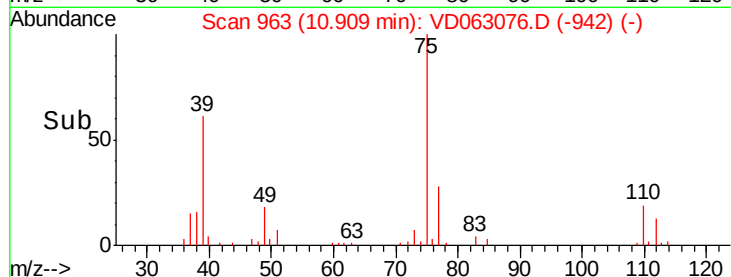
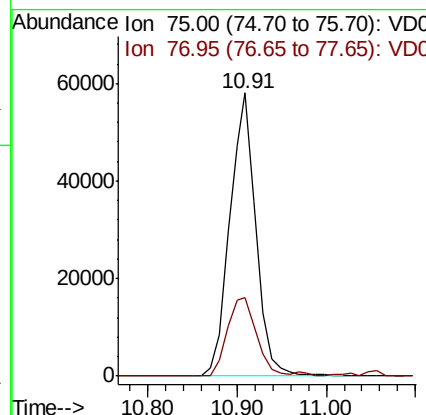
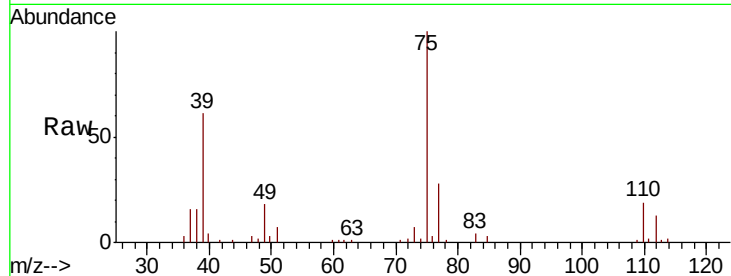




#53
 t-1,3-Dichloropropene
 Concen: 12.976 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

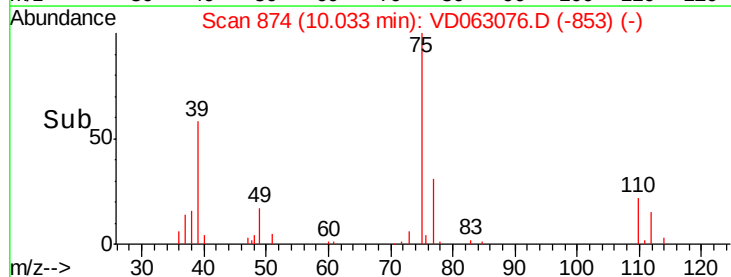
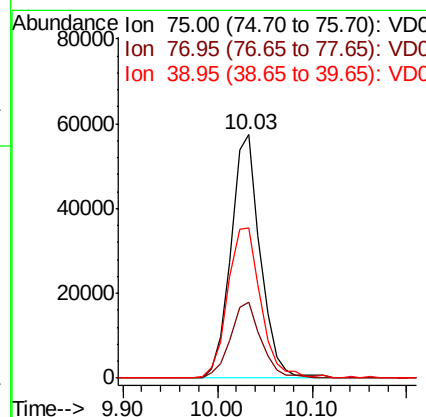
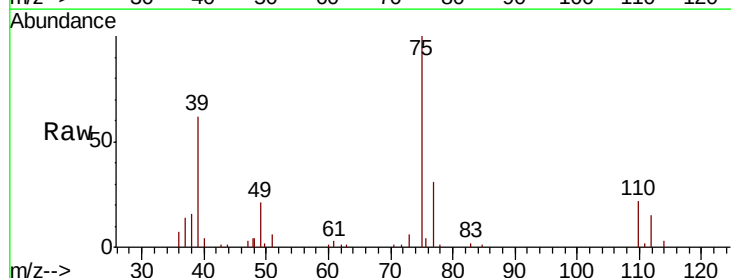
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

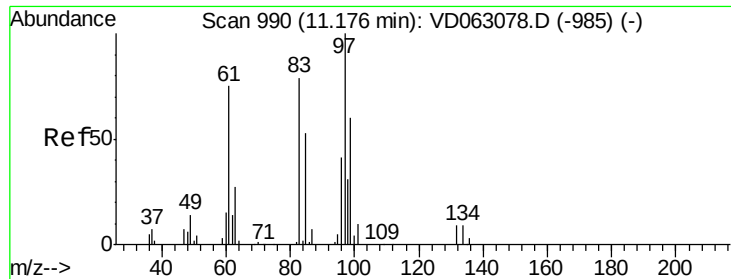
Tot Ion: 75 Resp: 118989
 Ion Ratio Lower Upper
 75 100
 77 27.8 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 12.479 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Tgt Ion: 75 Resp: 123407
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.9 35.9
 39 61.8 59.4 89.0

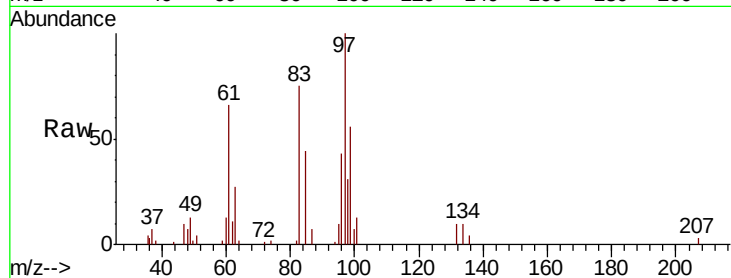




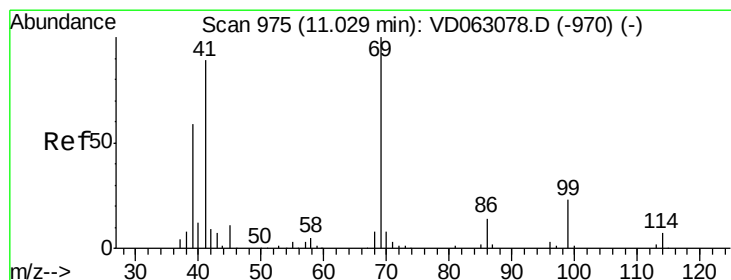
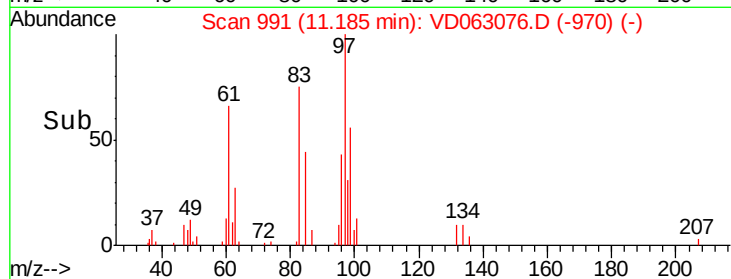
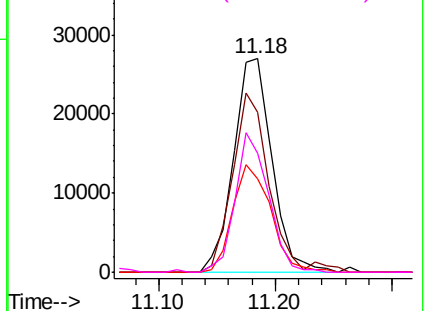
#55
 1,1,2-Trichloroethane
 Concen: 13.272 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	61617
Ion	Ratio	Lower	Upper
97	100		
83	74.7	63.2	94.8
85	43.8	42.0	63.0
99	55.7	48.3	72.5

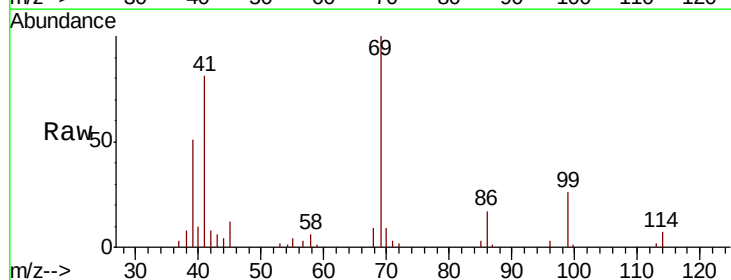


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

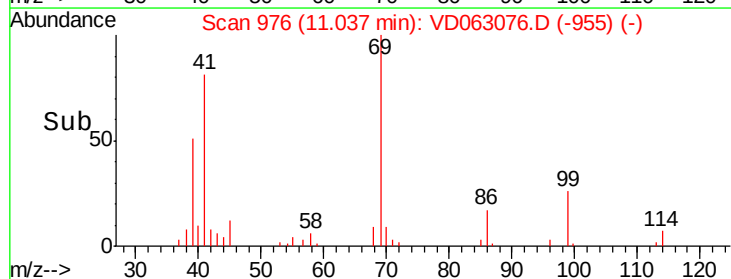
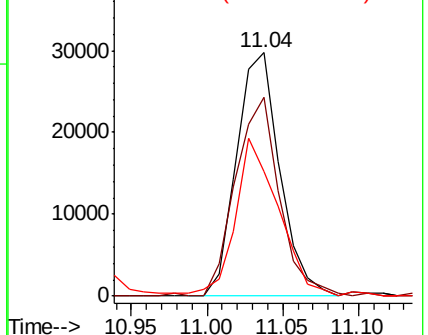


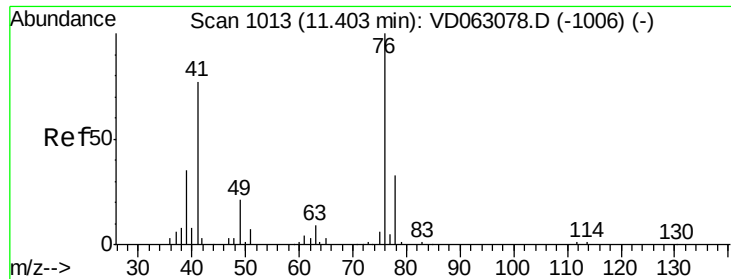
#56
 Ethyl methacrylate
 Concen: 11.886 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Tgt Ion:	69	Resp:	59086
Ion	Ratio	Lower	Upper
69	100		
41	81.4	71.0	106.4
39	51.0	47.7	71.5



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





#57

1,3-Dichloropropane

Concen: 12.173 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

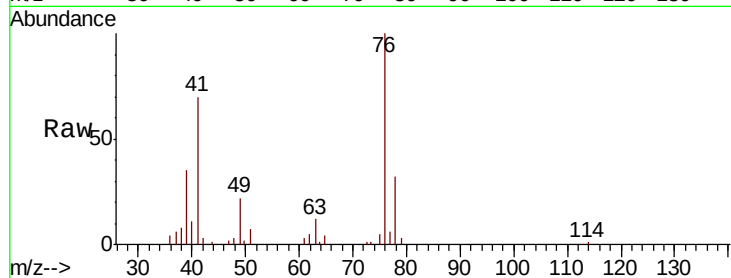
VSTDIC010

Tot Ion: 76 Resp: 85079

Ion Ratio Lower Upper

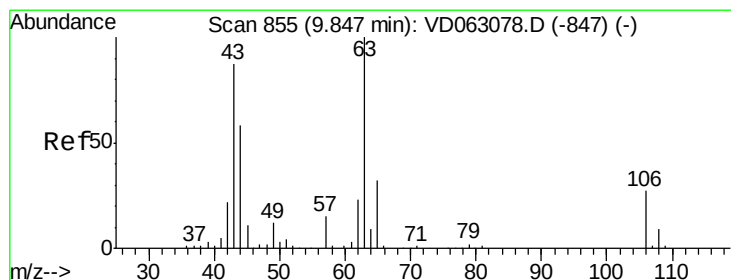
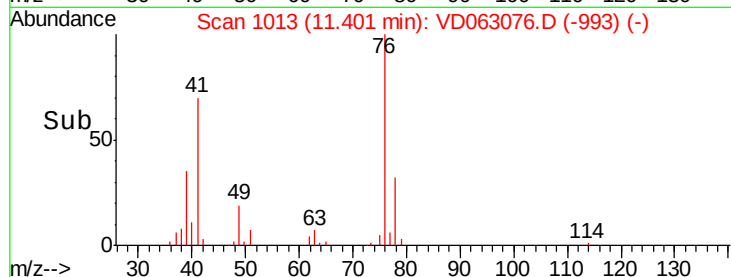
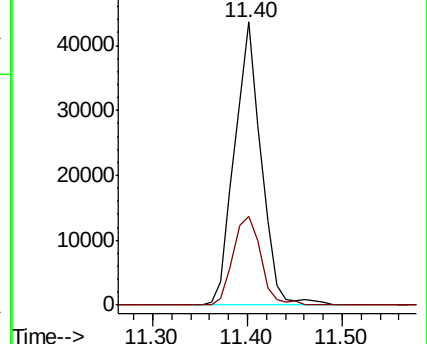
76 100

78 31.6 26.8 40.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 64.708 ug/l

RT: 9.85 min Scan# 855

Delta R.T. -0.00 min

Lab File: VD063076.D

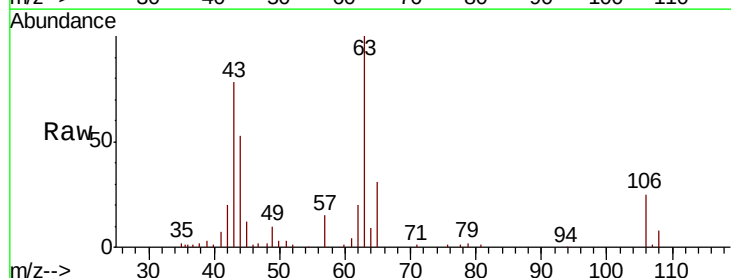
Acq: 15 Jul 2019 10:57

Tgt Ion: 63 Resp: 171862

Ion Ratio Lower Upper

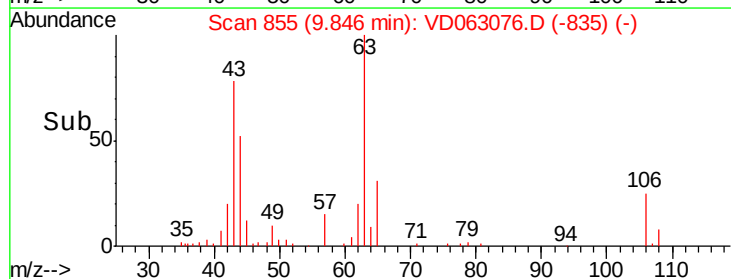
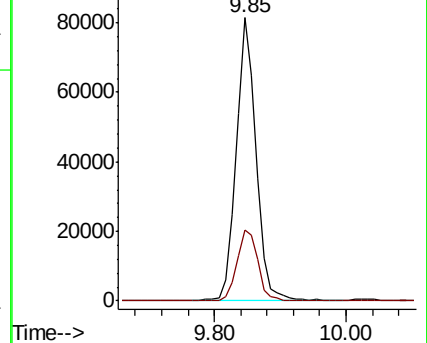
63 100

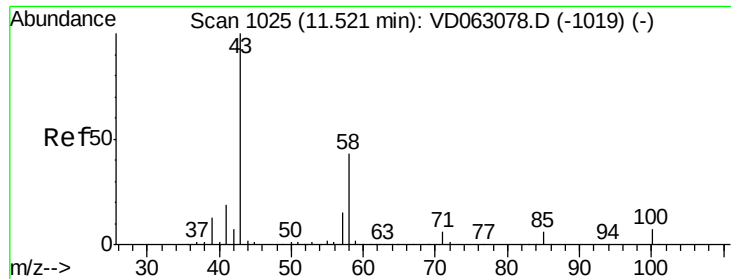
106 25.2 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

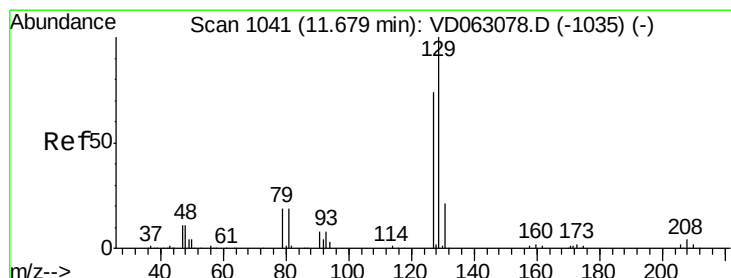
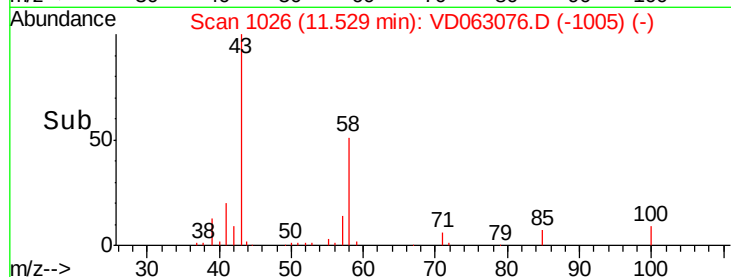
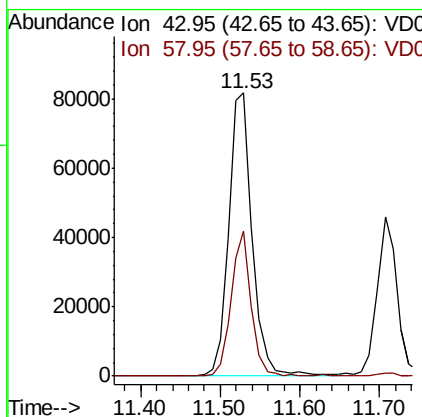
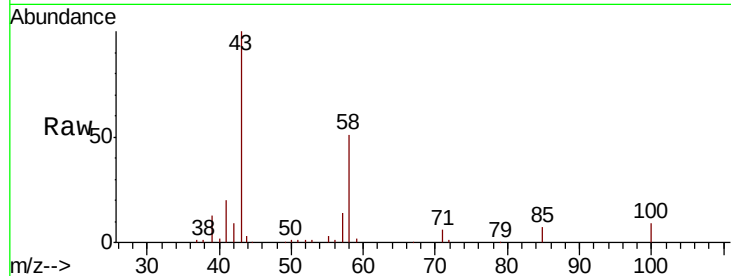




#59
2-Hexanone
Concen: 61.878 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

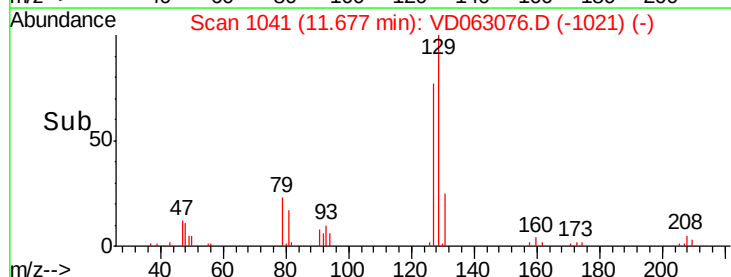
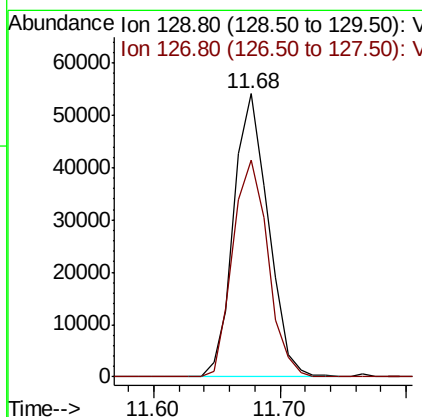
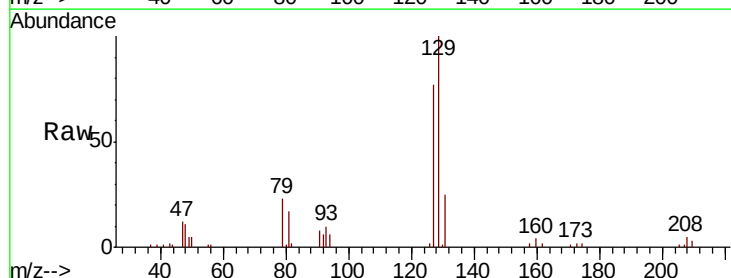
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

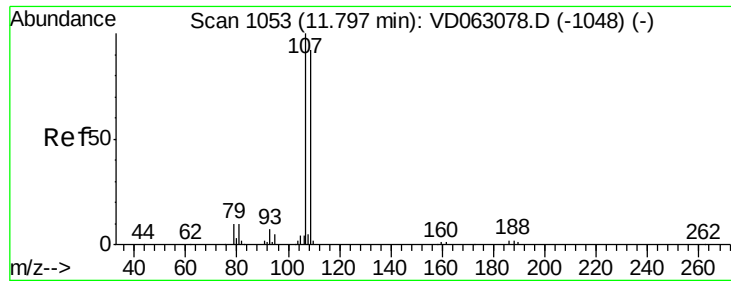
Tot Ion: 43 Resp: 169236
Ion Ratio Lower Upper
43 100
58 51.5 21.7 65.1



#60
Dibromochloromethane
Concen: 11.861 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion: 129 Resp: 102726
Ion Ratio Lower Upper
129 100
127 76.6 37.0 110.9

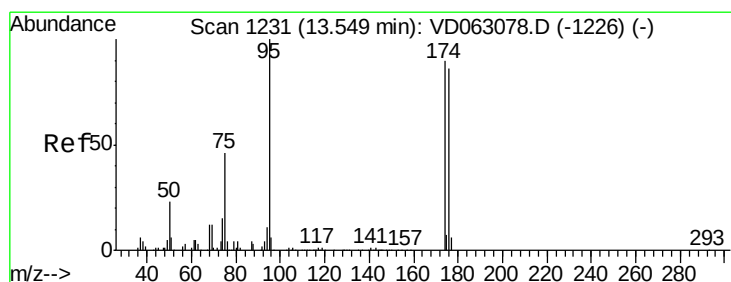
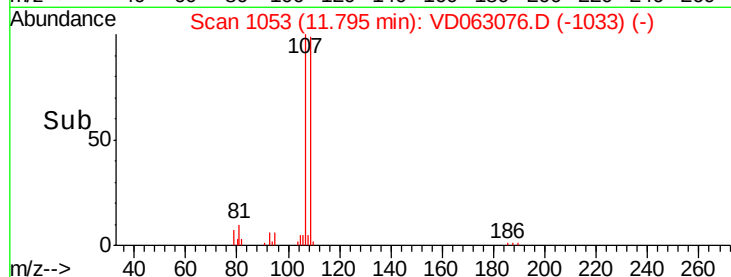
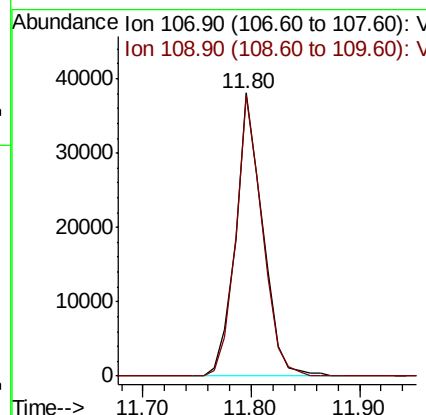
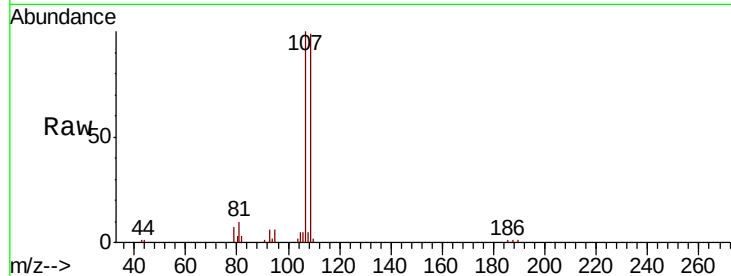




#61
 1,2-Dibromoethane
 Concen: 12.136 ug/l
 RT: 11.80 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

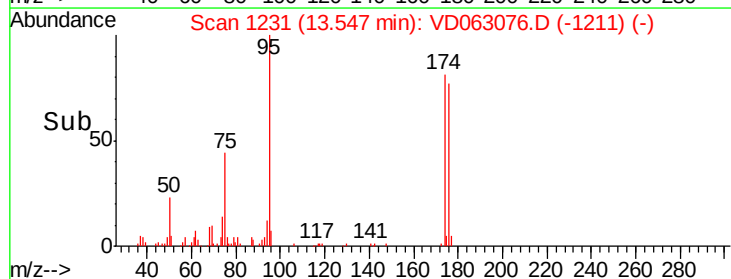
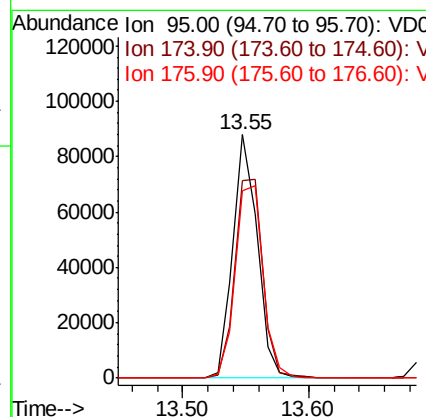
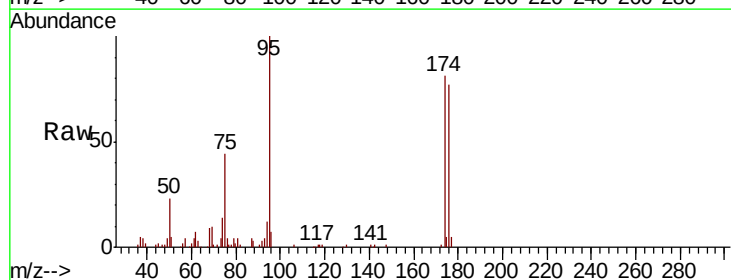
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

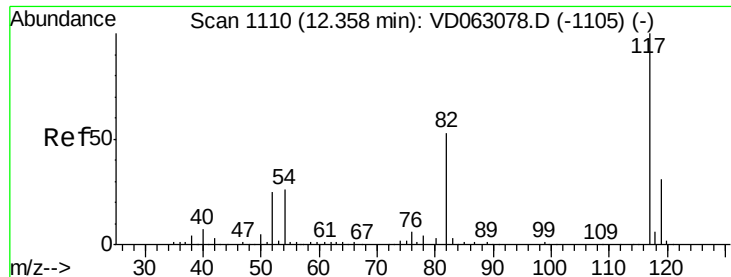
Tot Ion:107 Resp: 65976
 Ion Ratio Lower Upper
 107 100
 109 99.2 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 13.400 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Tgt Ion: 95 Resp: 117351
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 180.6
 176 77.0 0.0 172.2

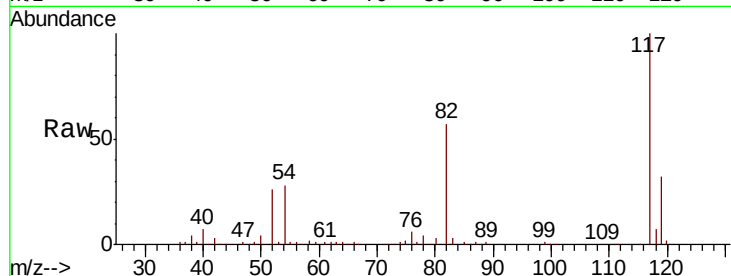




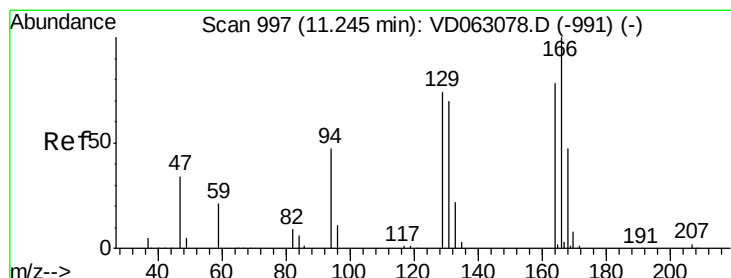
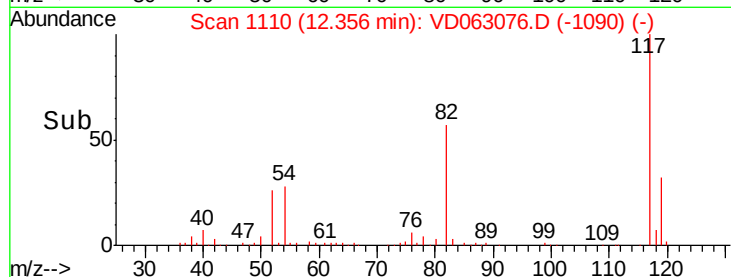
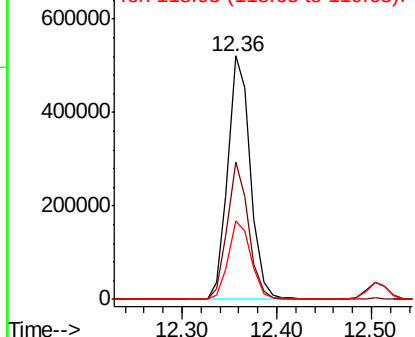
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 867016
Ion Ratio Lower Upper
117 100
82 56.5 42.3 63.5
119 32.4 25.2 37.8

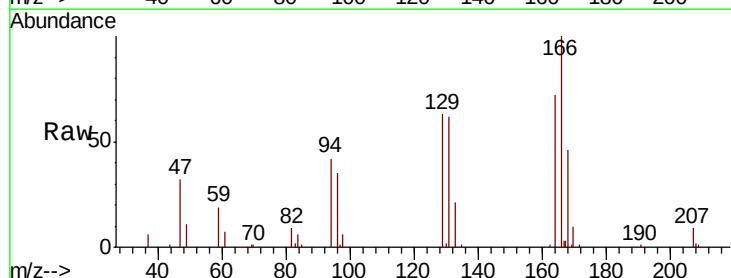


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

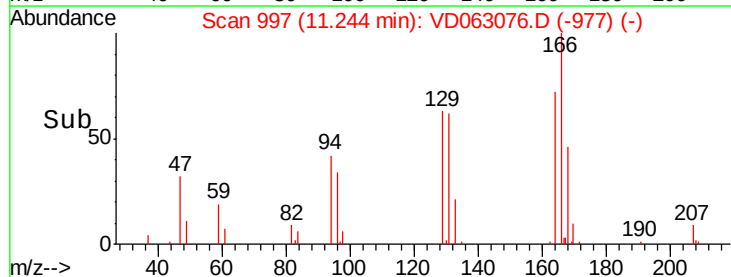
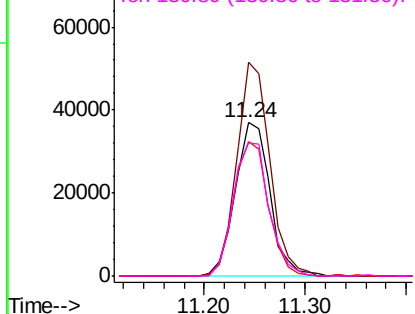


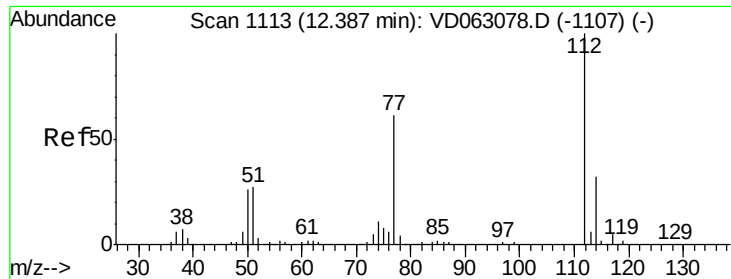
#64
Tetrachloroethene
Concen: 12.327 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion:164 Resp: 88556
Ion Ratio Lower Upper
164 100
166 139.5 102.8 154.2
129 88.1 76.4 114.6
131 87.0 71.7 107.5



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

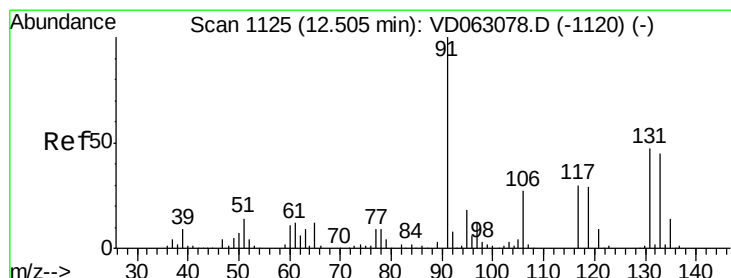
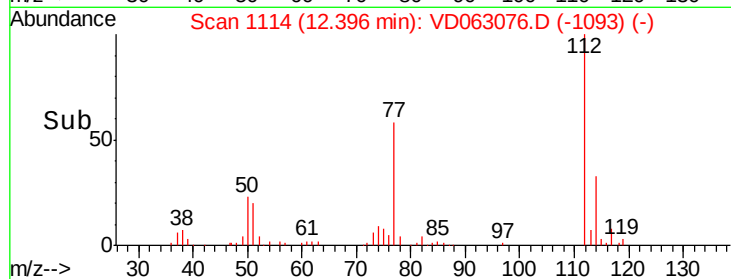
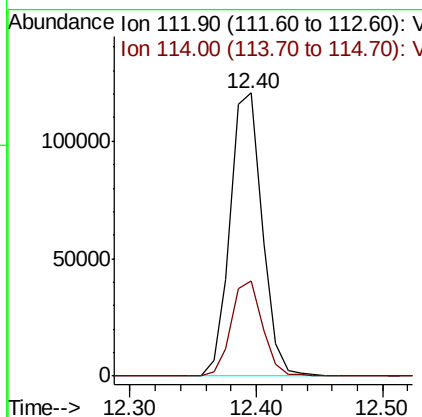
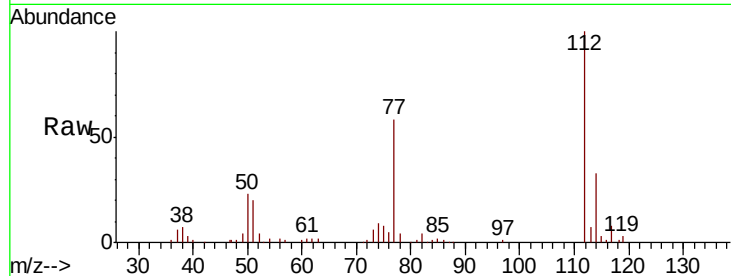




#65
Chlorobenzene
Concen: 12.867 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

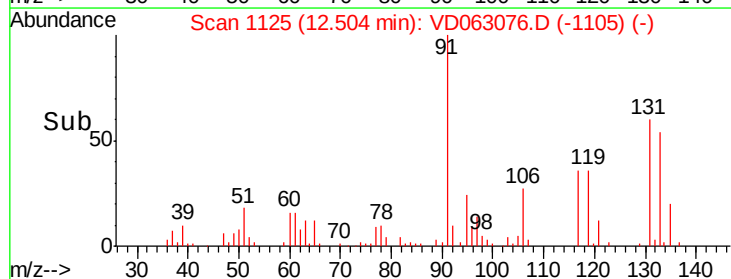
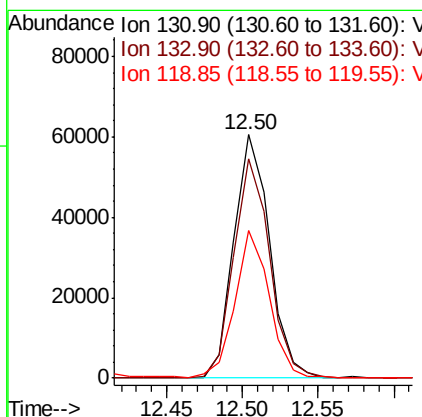
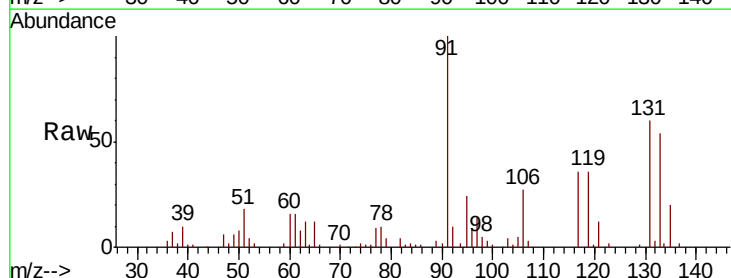
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

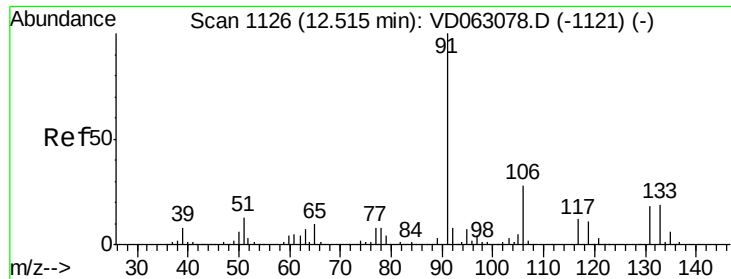
Tot Ion:112 Resp: 212059
Ion Ratio Lower Upper
112 100
114 33.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 12.909 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion:131 Resp: 99232
Ion Ratio Lower Upper
131 100
133 90.1 48.5 145.6
119 60.5 30.8 92.3

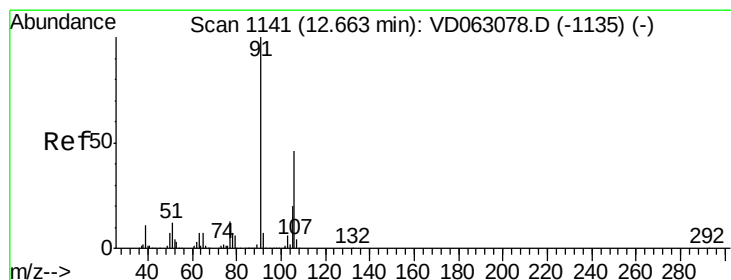
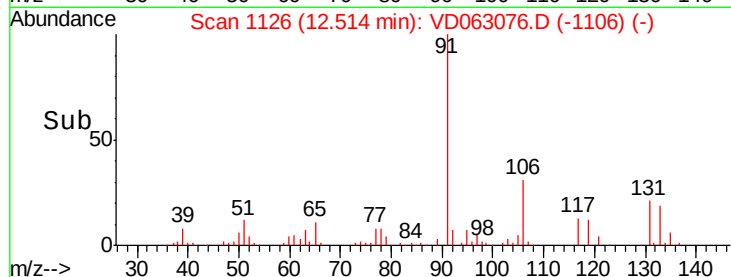
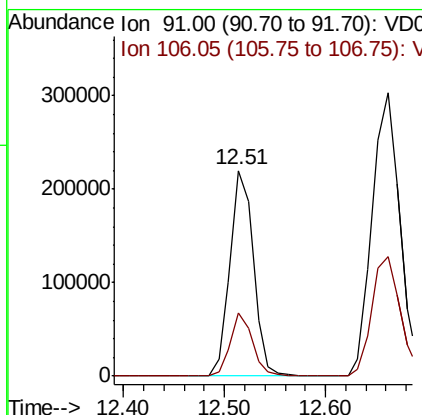
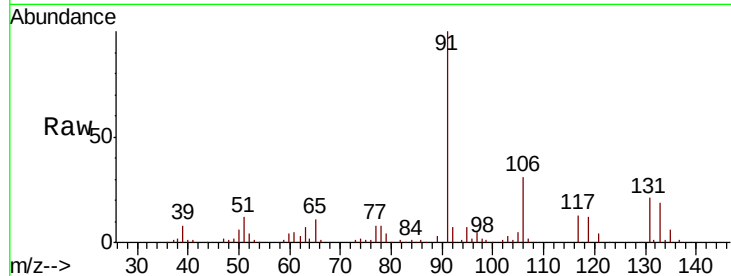




#67
Ethyl Benzene
Concen: 12.114 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

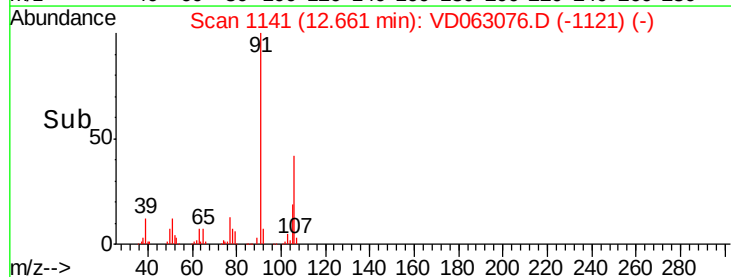
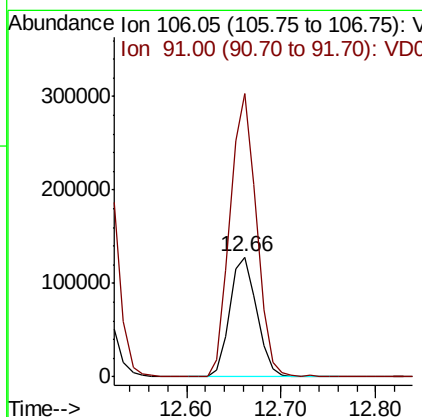
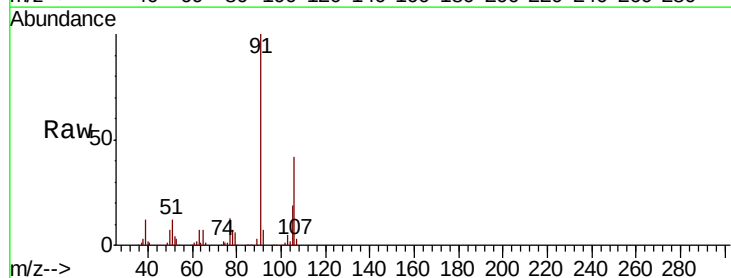
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

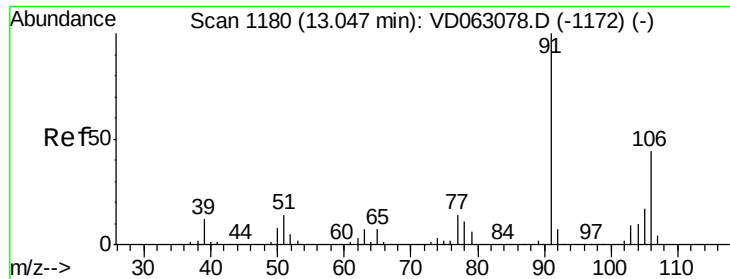
Tot Ion: 91 Resp: 356747
Ion Ratio Lower Upper
91 100
106 31.0 22.5 33.7



#68
m/p-Xylenes
Concen: 24.916 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion: 106 Resp: 253945
Ion Ratio Lower Upper
106 100
91 235.7 173.0 259.6

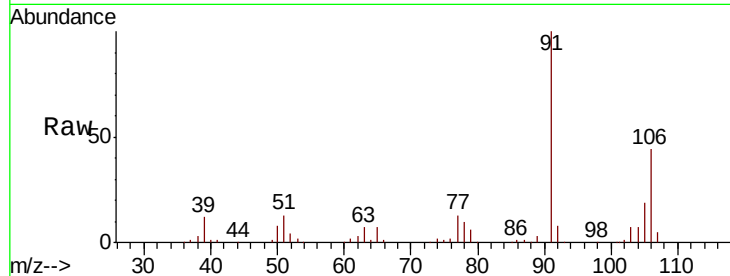




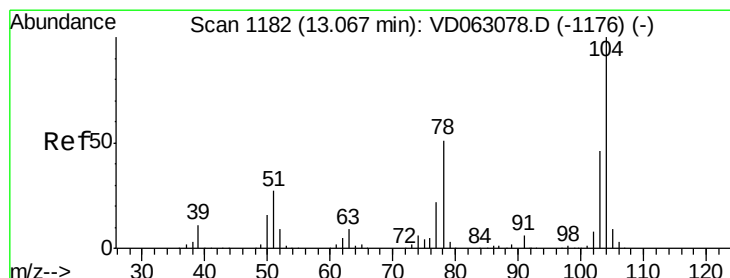
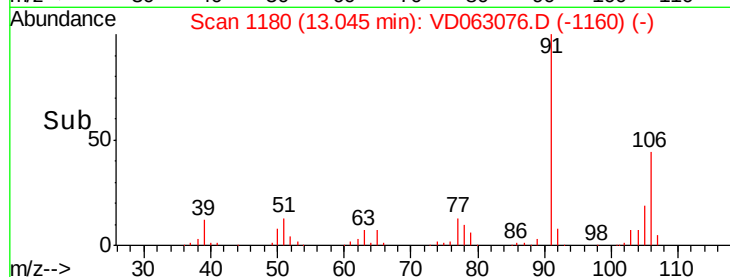
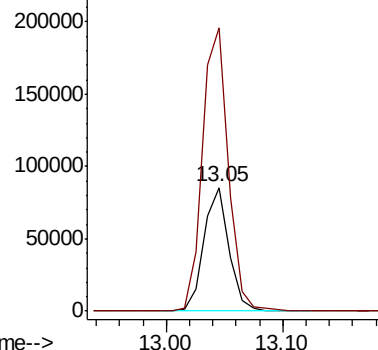
#69
o-Xylene
Concen: 13.620 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 127960
Ion Ratio Lower Upper
106 100
91 228.9 114.9 344.7

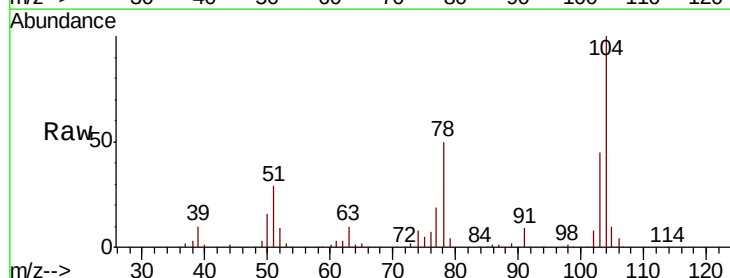


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

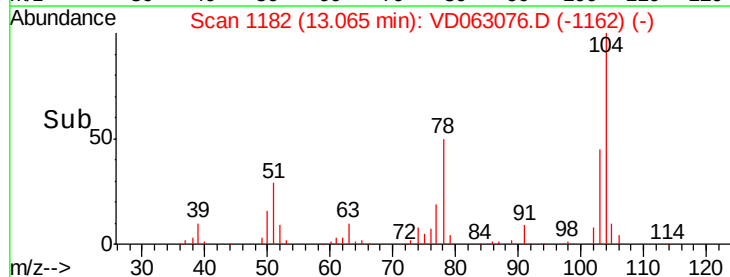
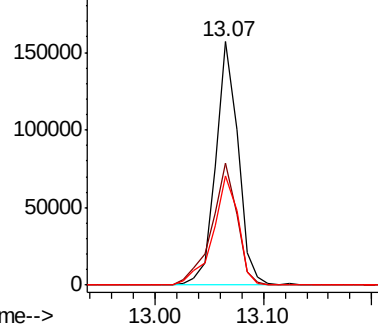


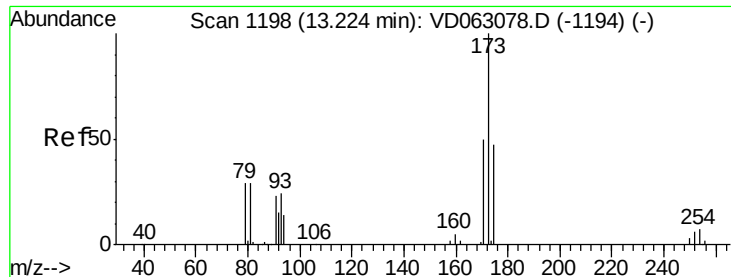
#70
Styrene
Concen: 13.499 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion:104 Resp: 224771
Ion Ratio Lower Upper
104 100
78 49.9 41.1 61.7
103 44.7 37.0 55.6



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





#71

Bromoform

Concen: 11.647 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

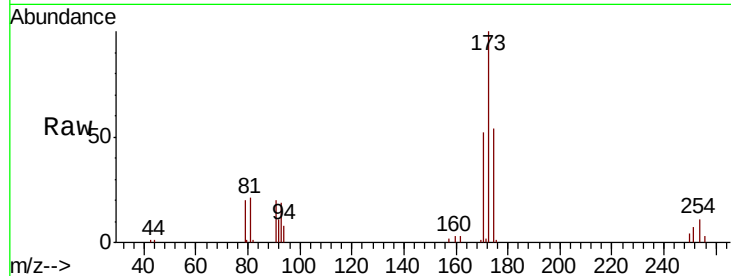
Tot Ion:173 Resp: 62091

Ion Ratio Lower Upper

173 100

175 54.3 23.4 70.2

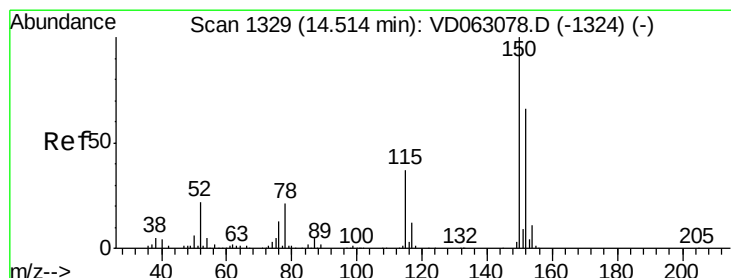
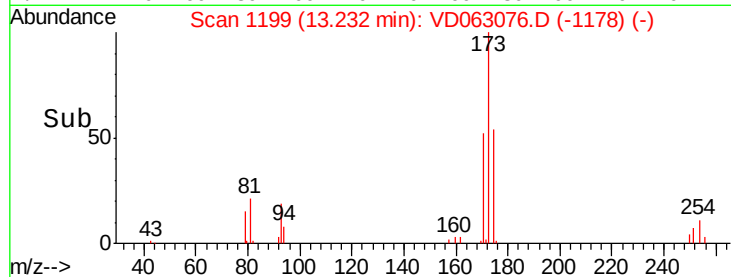
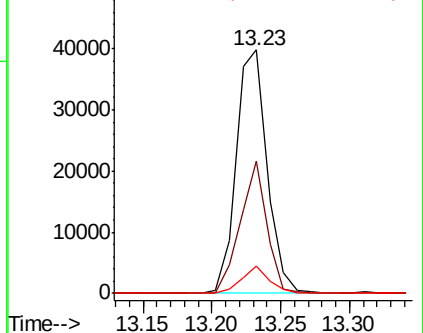
254 11.1 5.4 8.0#



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: 14.51 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

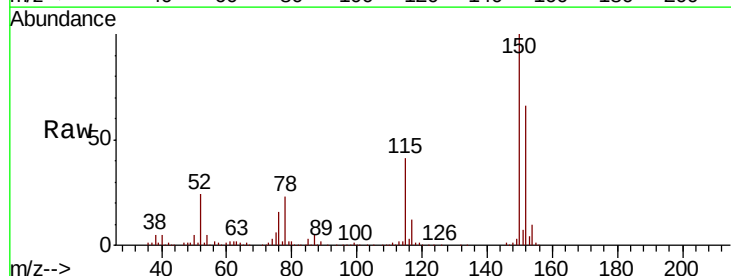
Tgt Ion:152 Resp: 482677

Ion Ratio Lower Upper

152 100

115 61.9 28.9 86.8

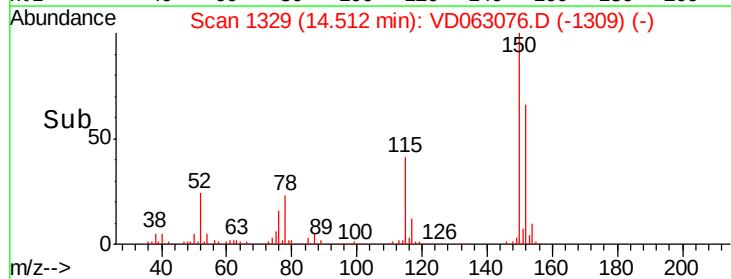
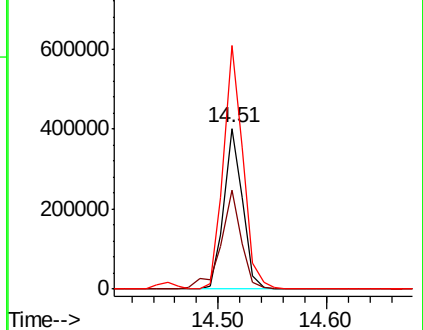
150 151.3 0.0 313.8

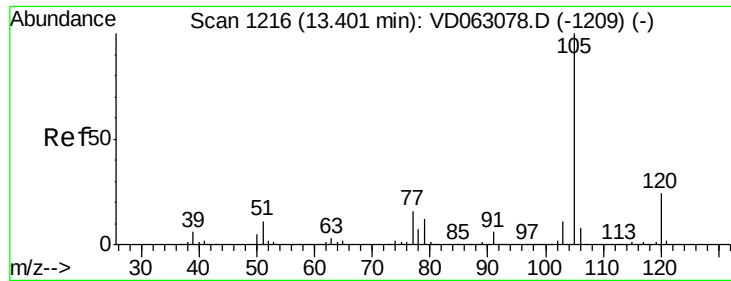


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 12.428 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

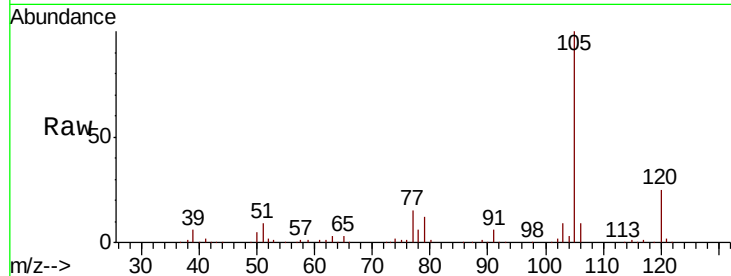
VSTDIC010

Tot Ion:105 Resp: 392533

Ion Ratio Lower Upper

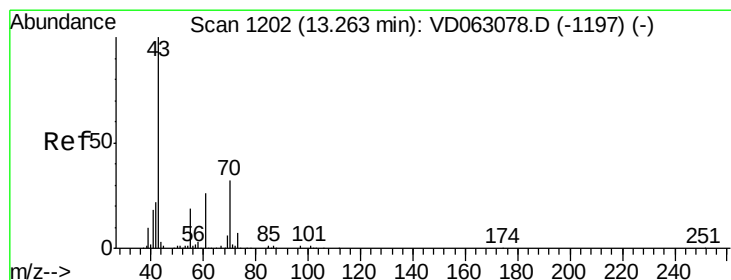
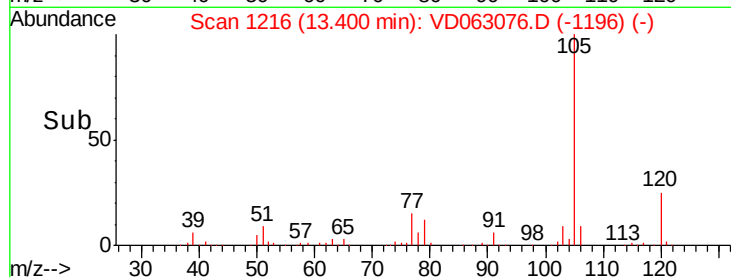
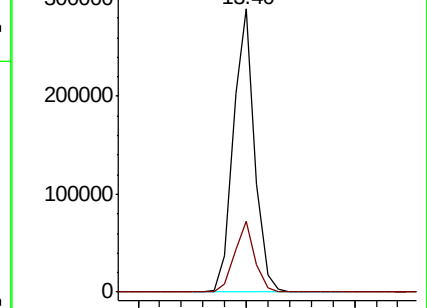
105 100

120 25.2 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 11.954 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Tgt Ion: 43 Resp: 94477

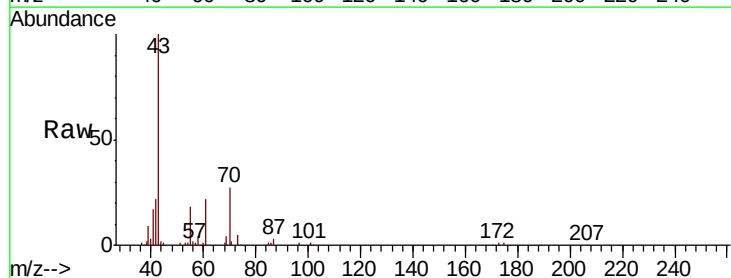
Ion Ratio Lower Upper

43 100

70 26.9 25.5 38.3

55 17.5 15.4 23.0

61 21.8 20.6 31.0

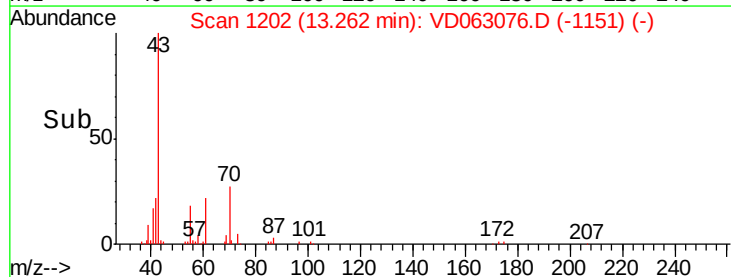
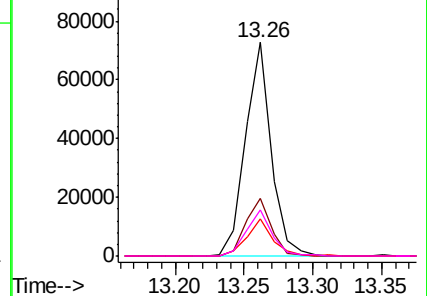


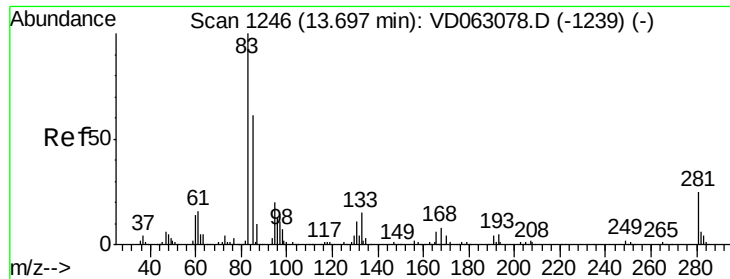
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 11.651 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

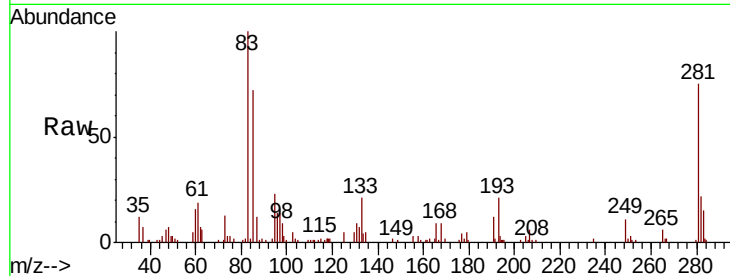
Tot Ion: 83 Resp: 62310

Ion Ratio Lower Upper

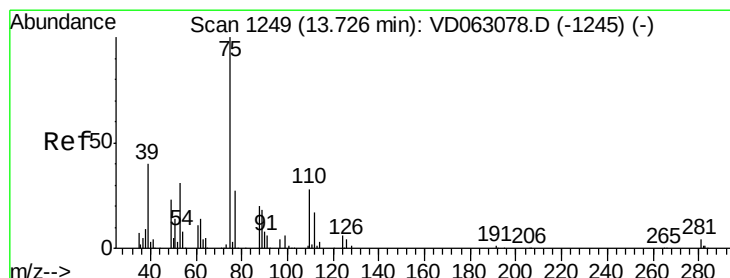
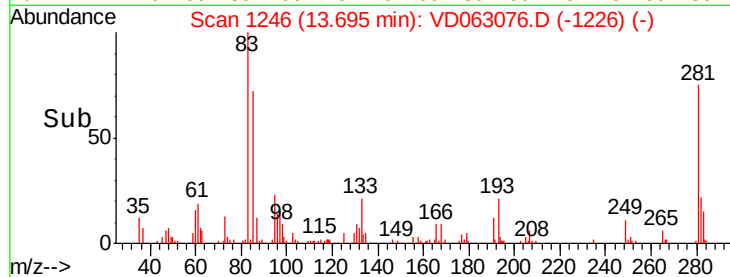
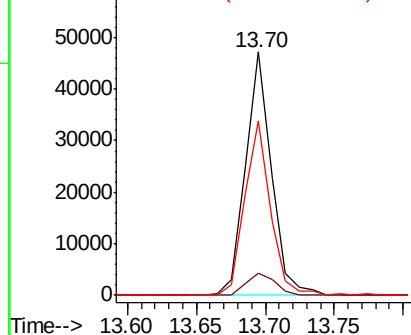
83 100

131 9.3 5.5 16.7

85 71.8 30.7 92.1



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: 11.646 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD063076.D

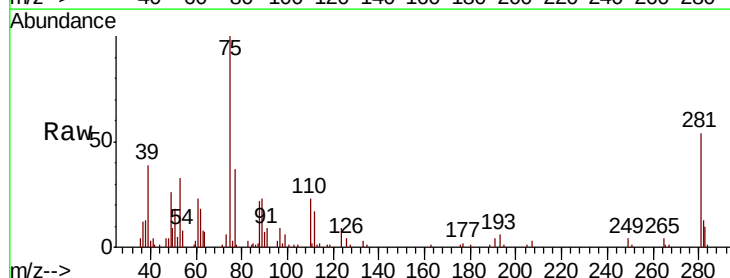
Acq: 15 Jul 2019 10:57

Tgt Ion: 75 Resp: 68422

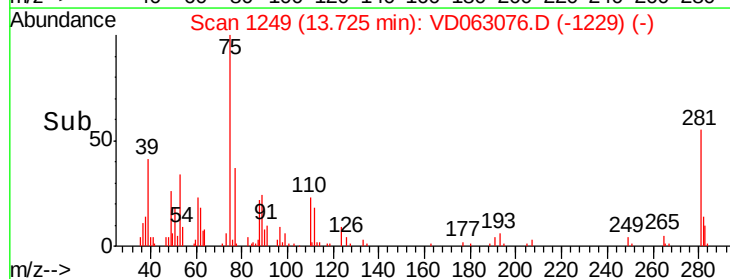
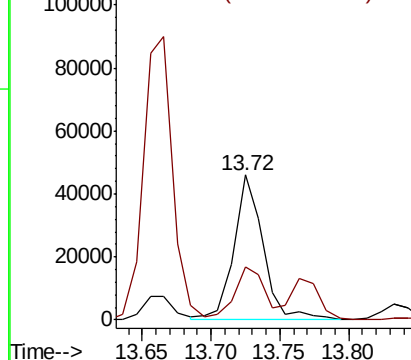
Ion Ratio Lower Upper

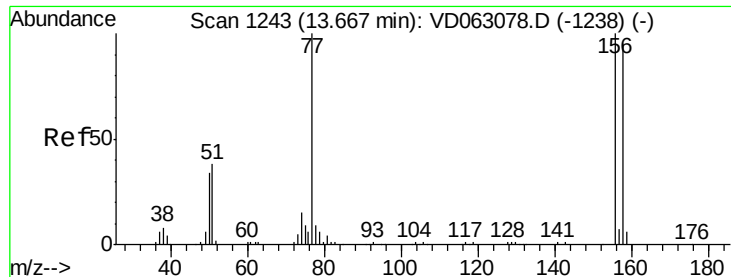
75 100

77 36.8 16.3 48.8



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





#77

Bromobenzene

Concen: 12.660 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

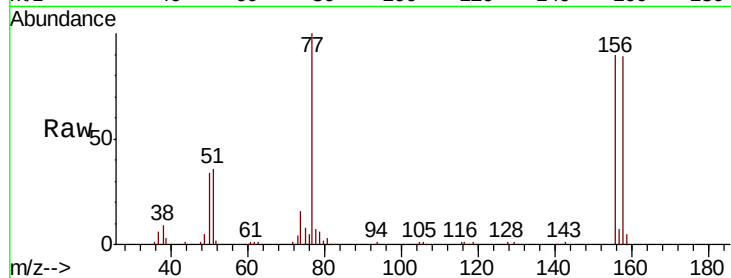
Tot Ion:156 Resp: 108320

Ion Ratio Lower Upper

156 100

77 111.6 50.2 150.7

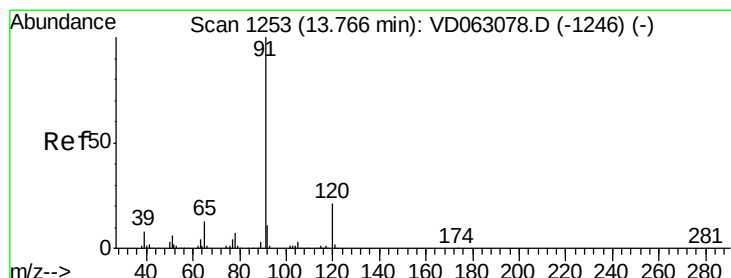
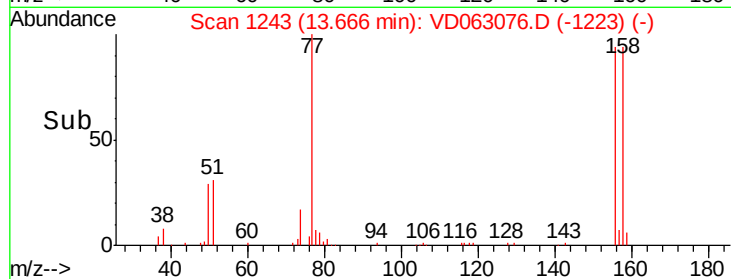
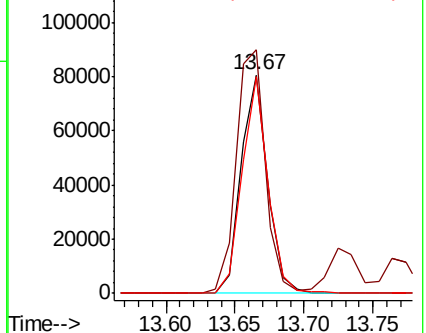
158 99.4 47.6 142.9



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: 12.333 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD063076.D

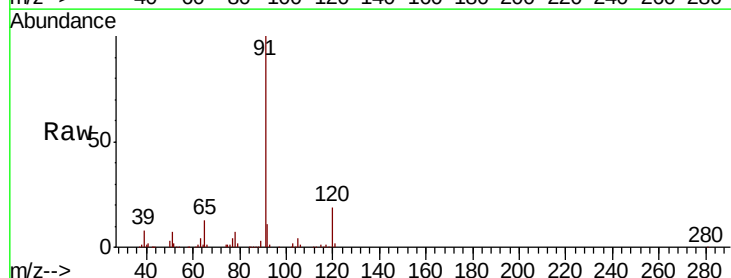
Acq: 15 Jul 2019 10:57

Tgt Ion: 91 Resp: 460273

Ion Ratio Lower Upper

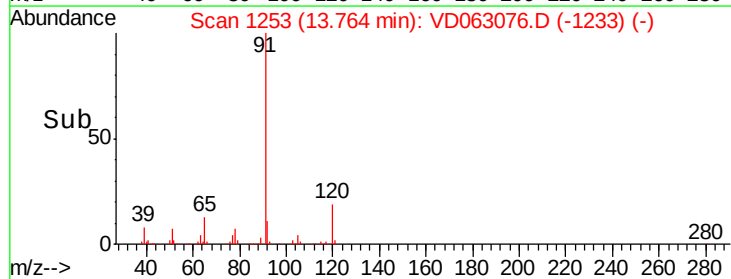
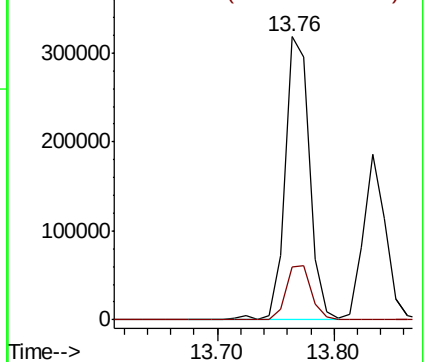
91 100

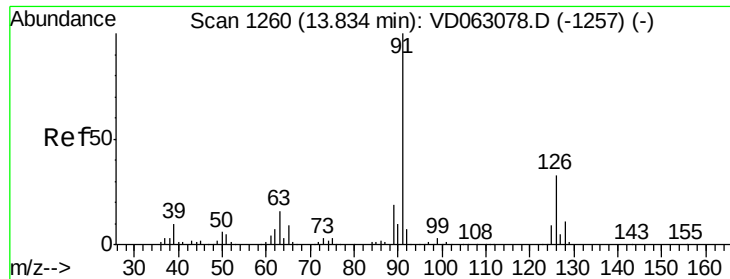
120 18.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 11.532 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

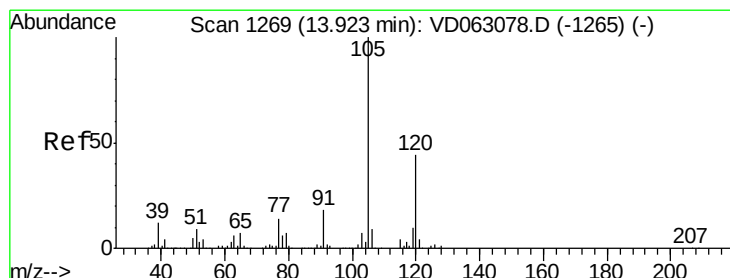
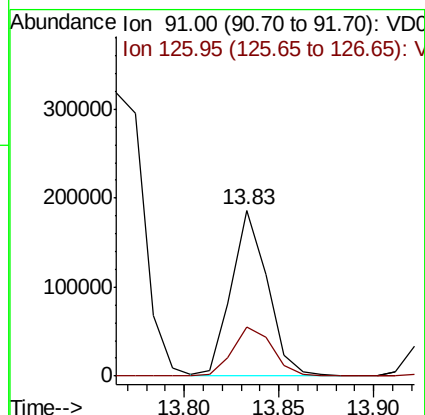
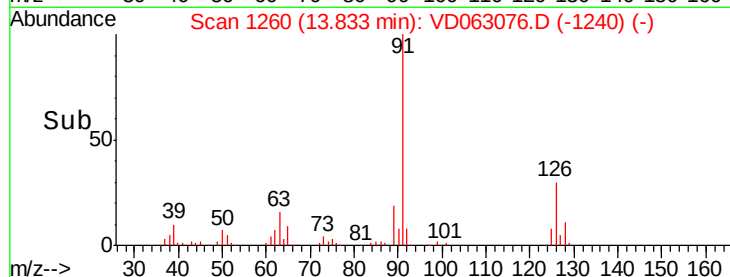
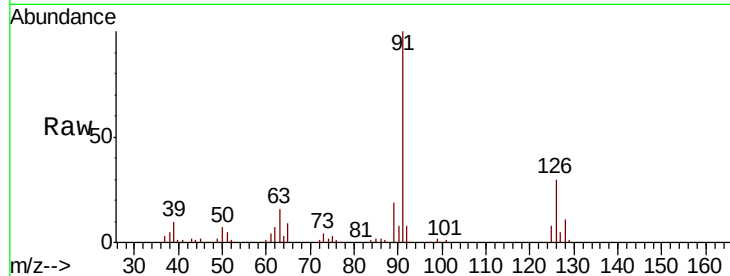
VSTDIC010

Tot Ion: 91 Resp: 245004

Ion Ratio Lower Upper

91 100

126 29.9 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 12.958 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD063076.D

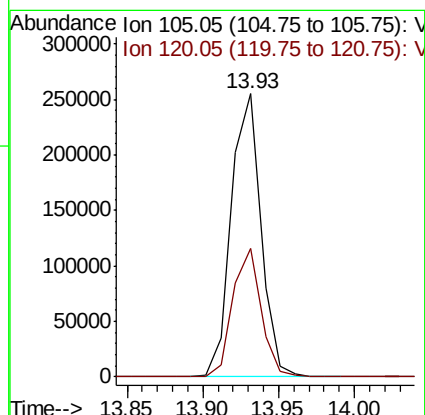
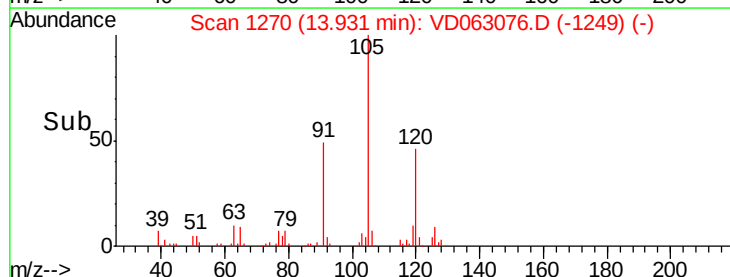
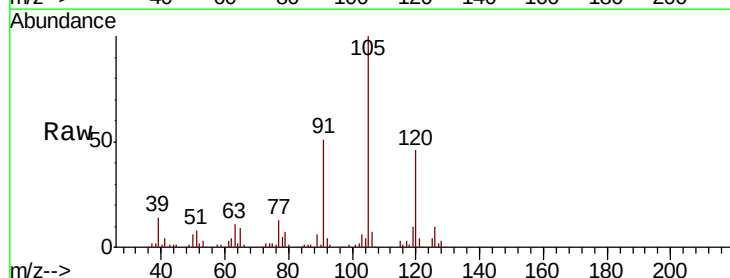
Acq: 15 Jul 2019 10:57

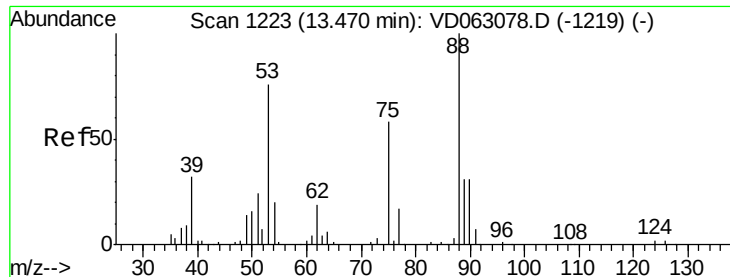
Tgt Ion: 105 Resp: 346406

Ion Ratio Lower Upper

105 100

120 45.6 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 11.596 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

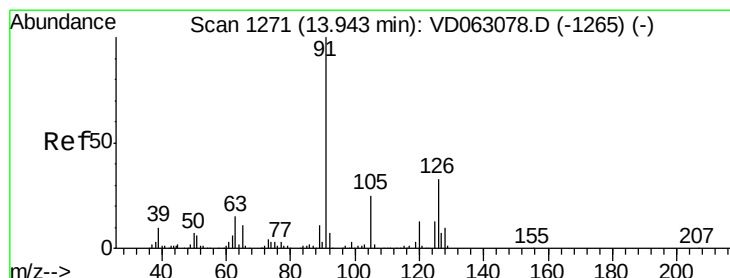
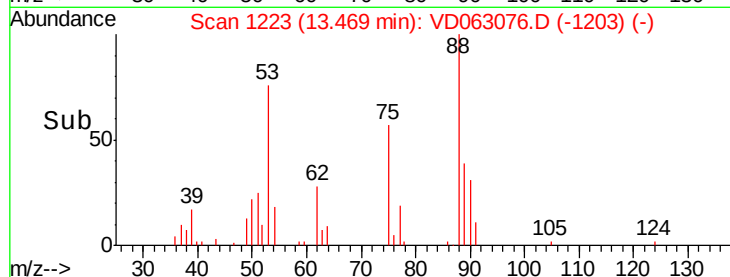
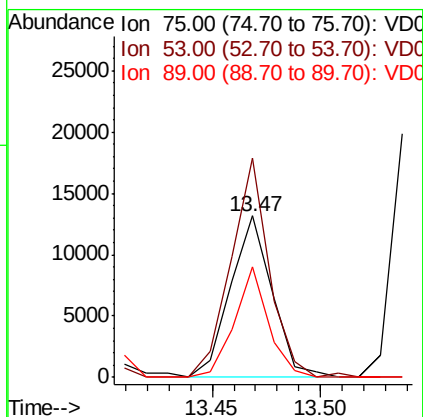
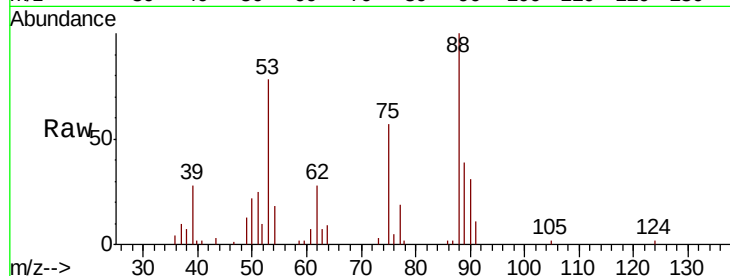
Tot Ion: 75 Resp: 17808

Ion Ratio Lower Upper

75 100

53 135.9 104.4 156.6

89 68.0 43.1 64.7#



#82

4-Chlorotoluene

Concen: 12.349 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063076.D

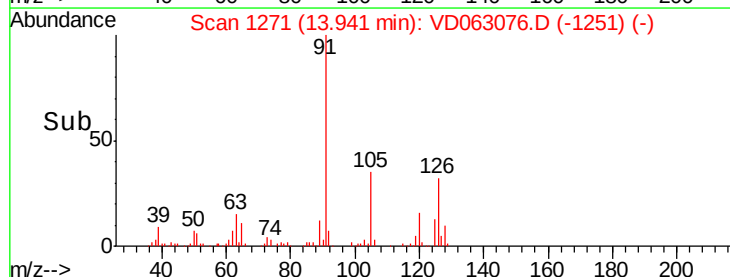
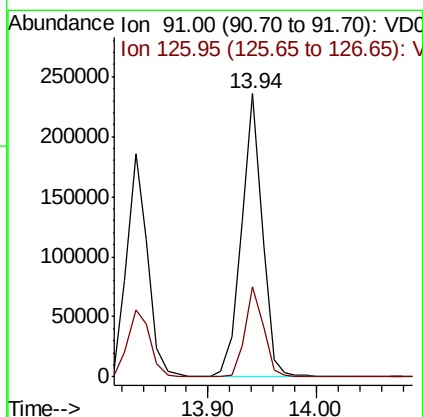
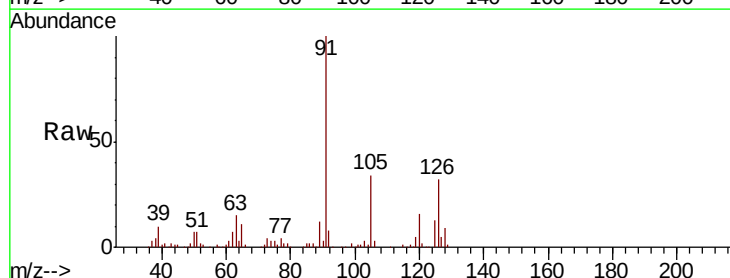
Acq: 15 Jul 2019 10:57

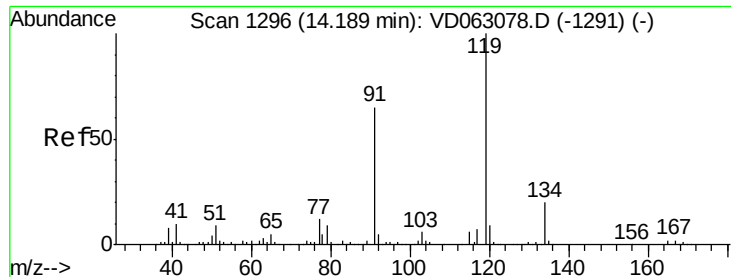
Tgt Ion: 91 Resp: 315291

Ion Ratio Lower Upper

91 100

126 31.6 16.7 50.1





#83

tert-Butylbenzene

Concen: 12.288 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

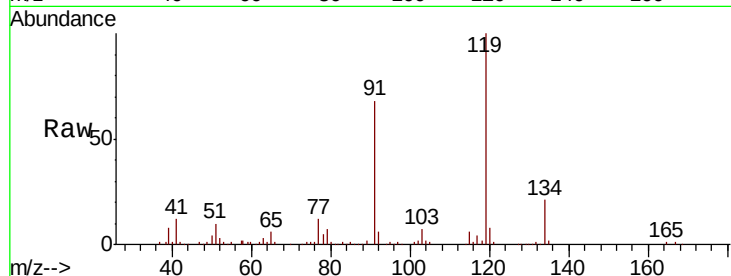
Tot Ion:119 Resp: 368589

Ion Ratio Lower Upper

119 100

91 68.0 32.4 97.2

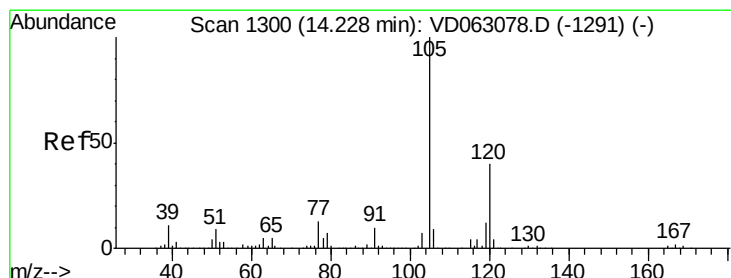
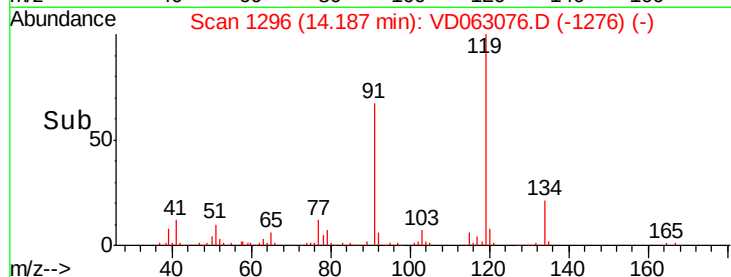
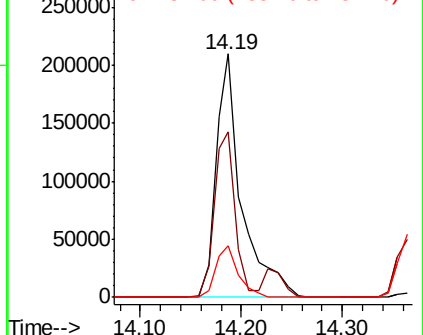
134 21.3 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 12.523 ug/l

RT: 14.24 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VD063076.D

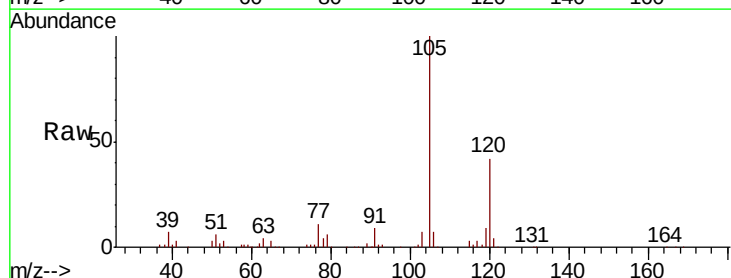
Acq: 15 Jul 2019 10:57

Tgt Ion:105 Resp: 340741

Ion Ratio Lower Upper

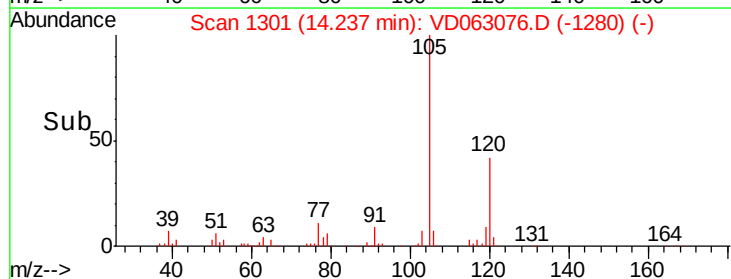
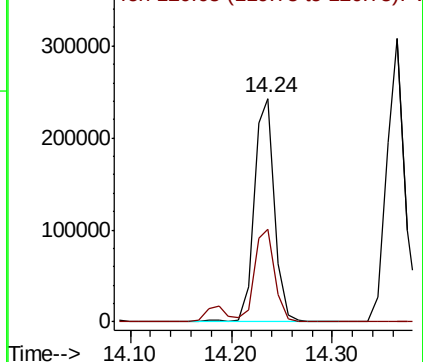
105 100

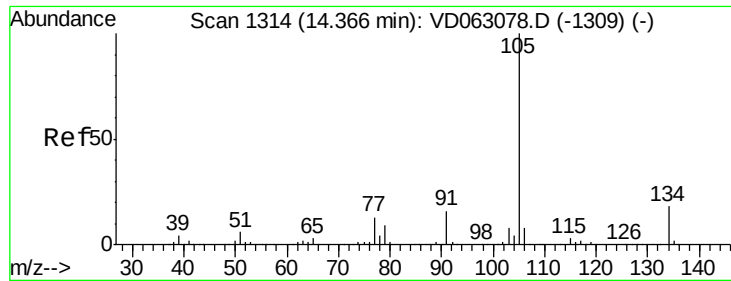
120 41.5 20.2 60.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

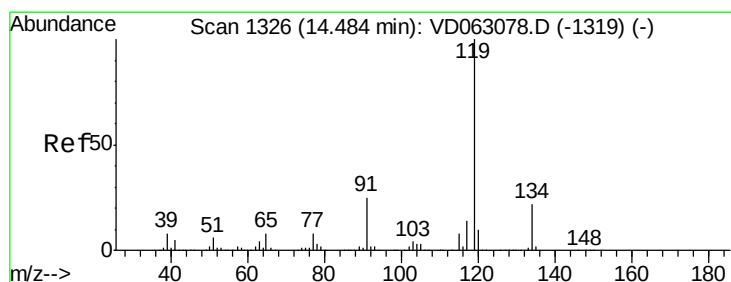
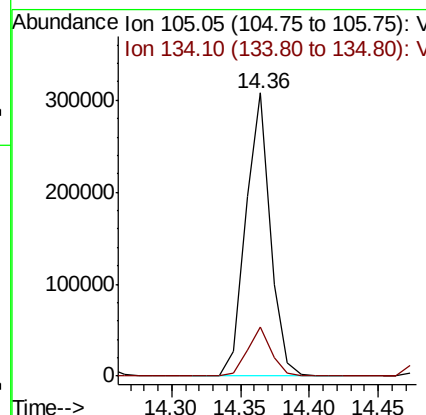
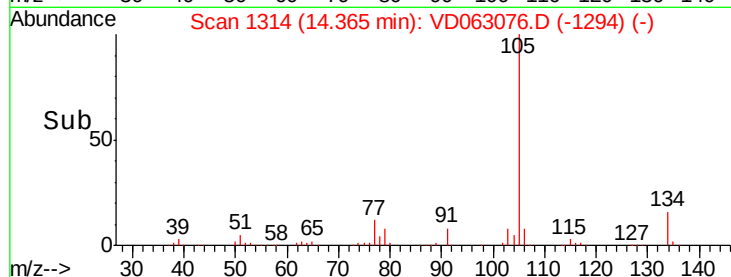
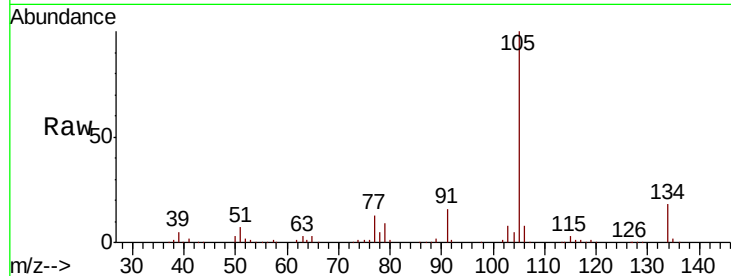




#85
 sec-Butylbenzene
 Concen: 11.785 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

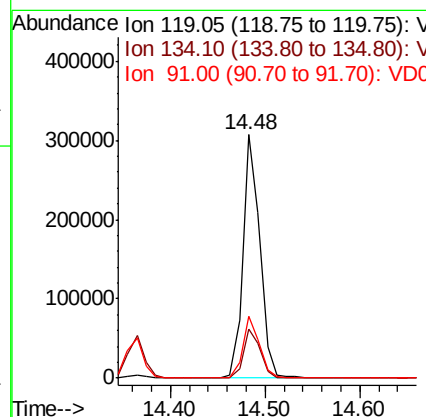
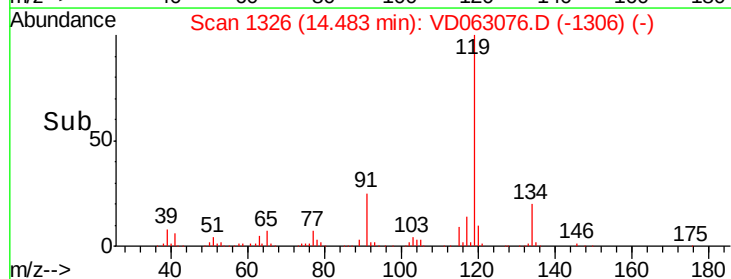
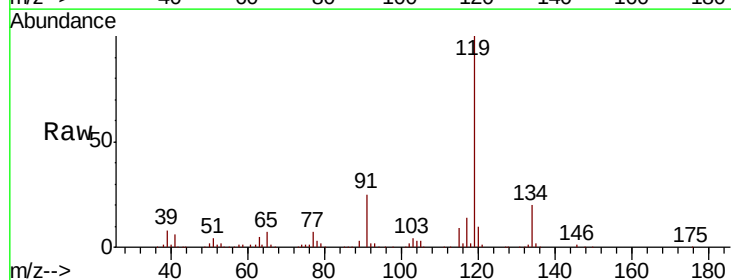
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

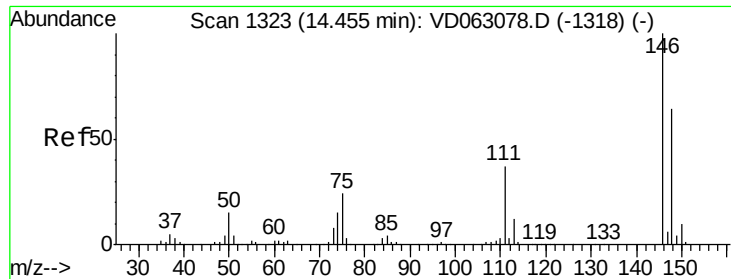
Tot Ion:105 Resp: 382978
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 12.942 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Tgt Ion:119 Resp: 379327
 Ion Ratio Lower Upper
 119 100
 134 20.3 10.8 32.4
 91 25.4 12.5 37.5

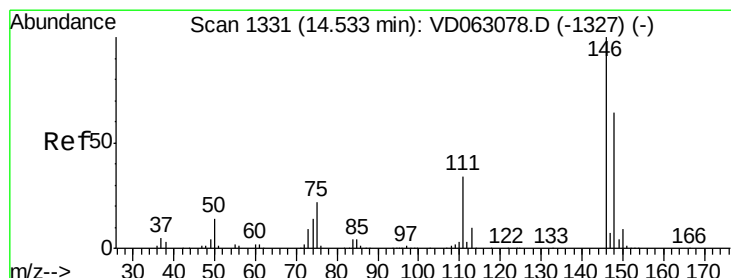
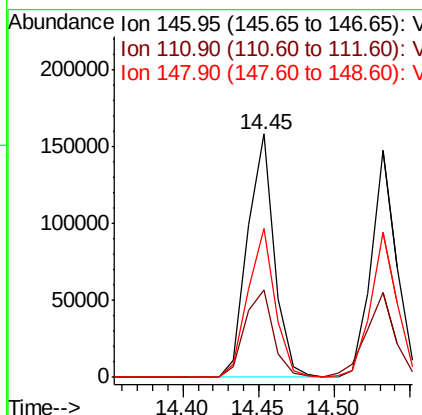
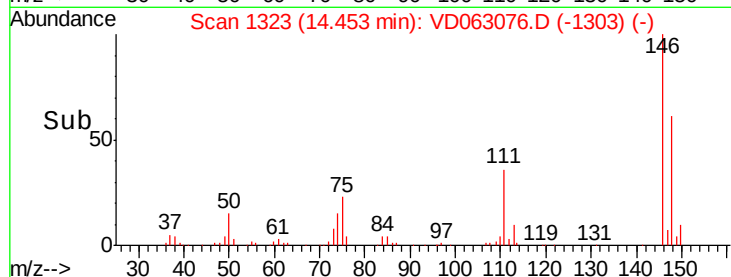
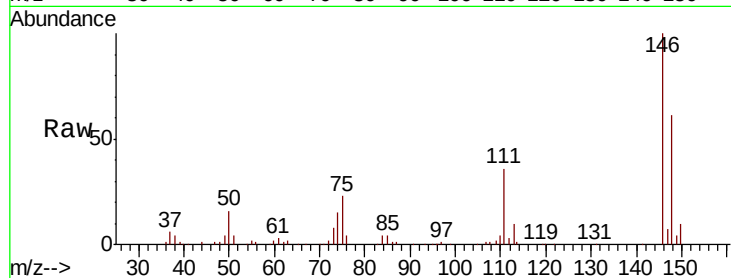




#87
 1,3-Dichlorobenzene
 Concen: 12.757 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

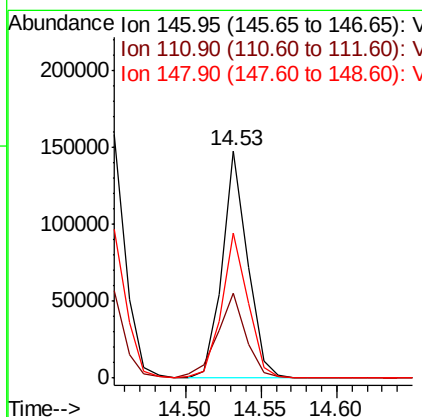
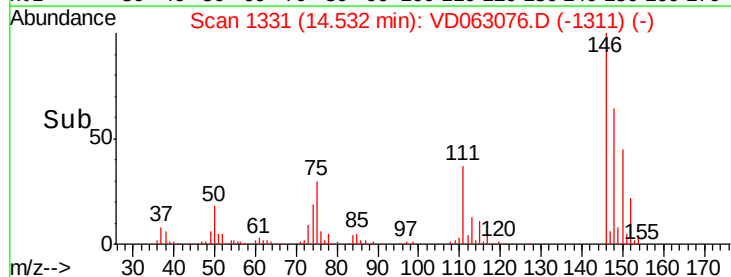
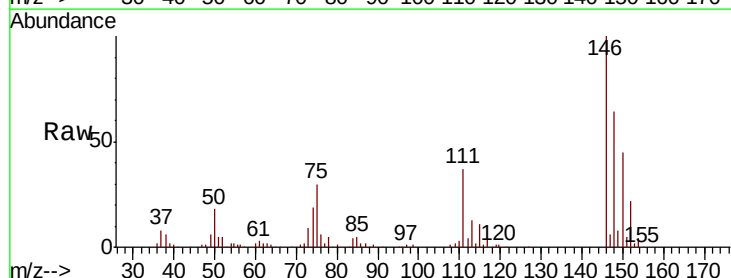
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

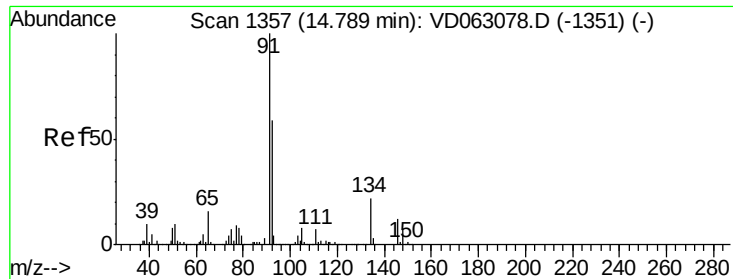
Tot Ion:146 Resp: 195242
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.6 55.6
 148 61.4 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 11.251 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Tgt Ion:146 Resp: 172276
 Ion Ratio Lower Upper
 146 100
 111 37.1 17.0 51.0
 148 63.6 32.0 96.2

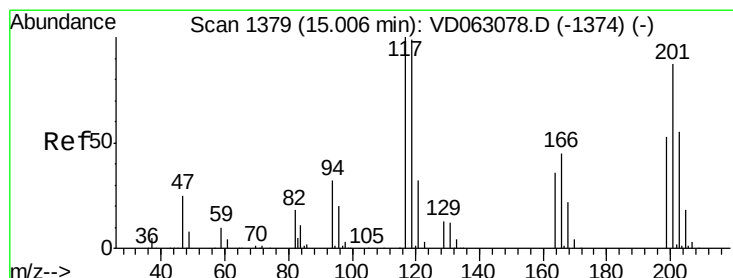
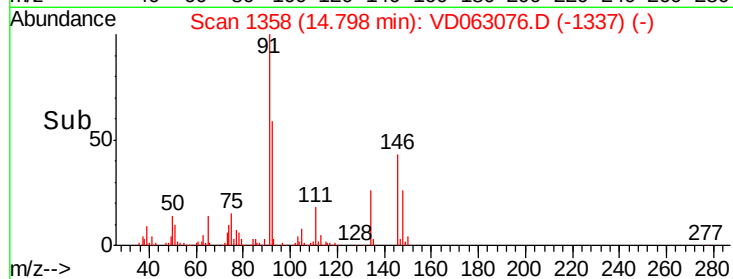
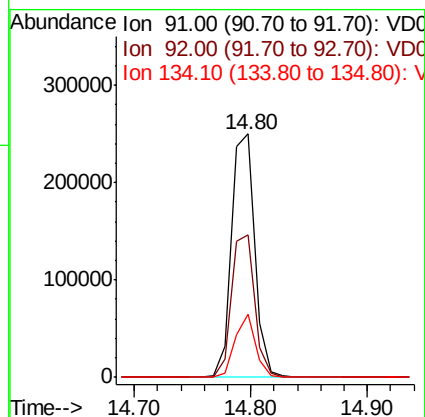
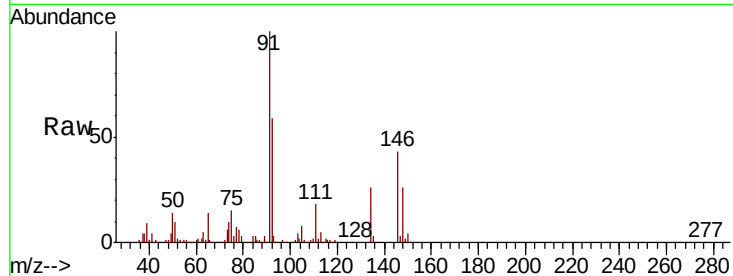




#89
n-Butylbenzene
Concen: 12.427 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

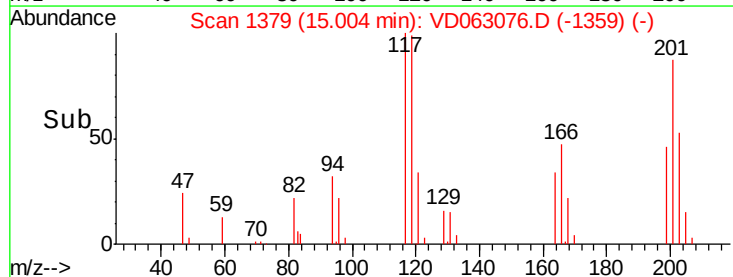
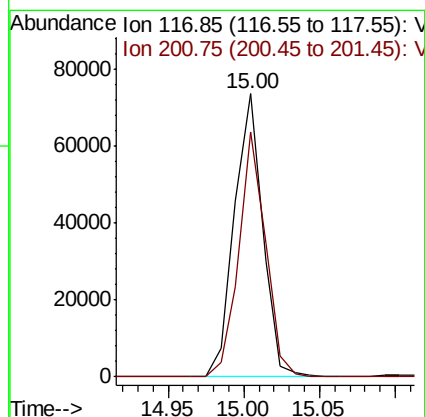
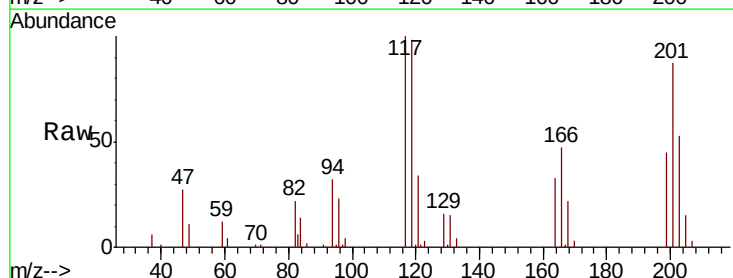
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

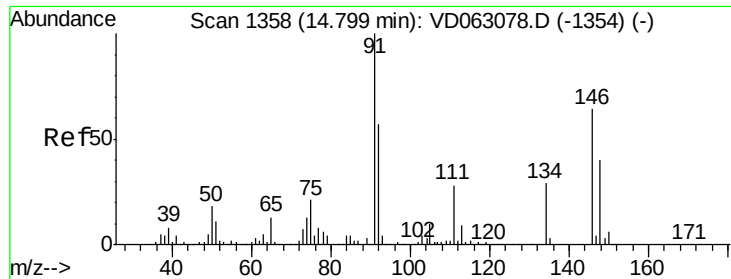
Tot Ion: 91 Resp: 345589
Ion Ratio Lower Upper
91 100
92 58.7 29.4 88.3
134 26.0 11.3 33.8



#90
Hexachloroethane
Concen: 11.964 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion: 117 Resp: 95281
Ion Ratio Lower Upper
117 100
201 86.5 43.4 130.1





#91

1,2-Dichlorobenzene

Concen: 13.053 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

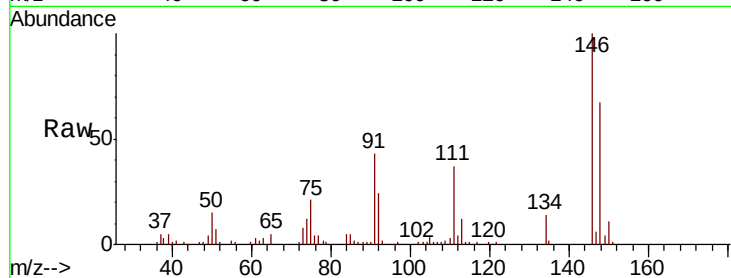
Tot Ion:146 Resp: 173514

Ion Ratio Lower Upper

146 100

111 37.4 21.9 65.5

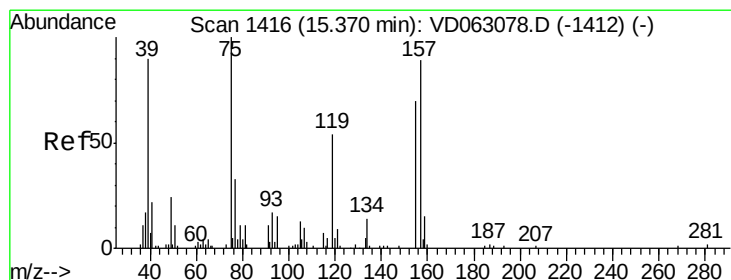
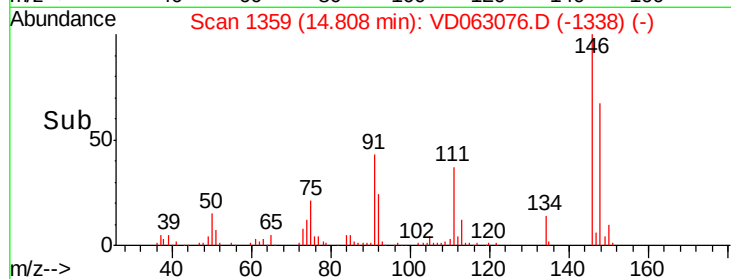
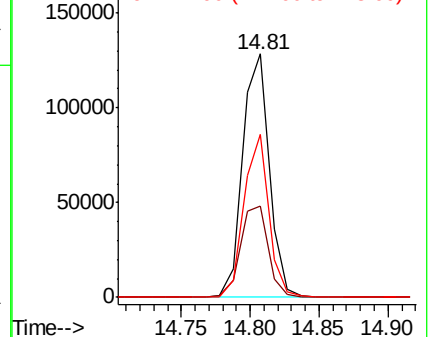
148 67.1 31.5 94.5



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: 10.860 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VD063076.D

Acq: 15 Jul 2019 10:57

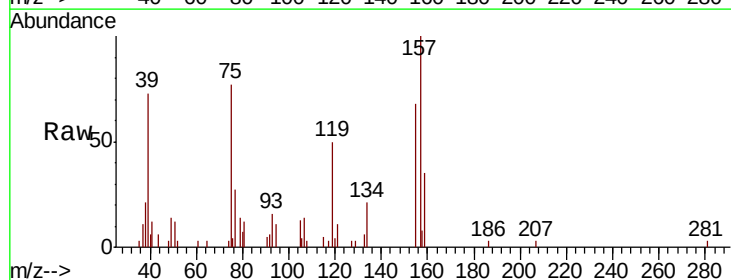
Tgt Ion: 75 Resp: 11190

Ion Ratio Lower Upper

75 100

155 89.1 34.8 104.3

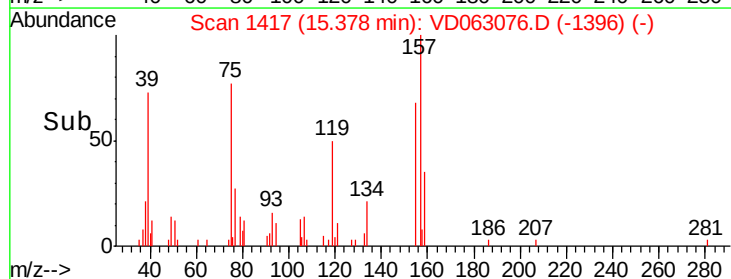
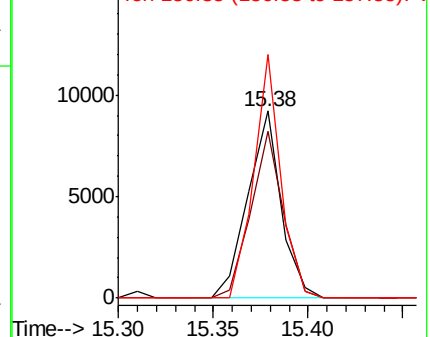
157 130.2 44.7 134.1

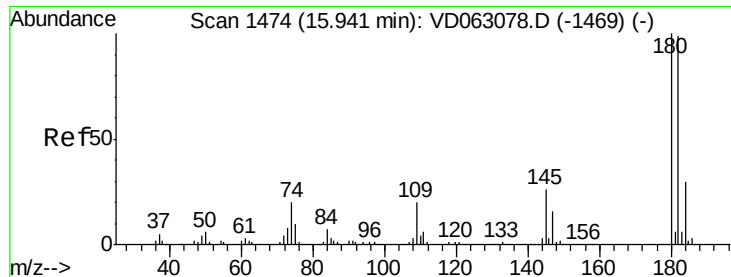


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

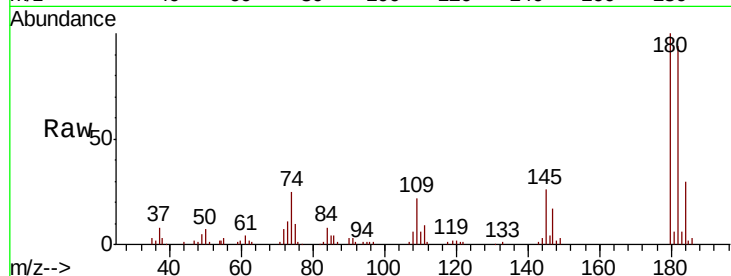




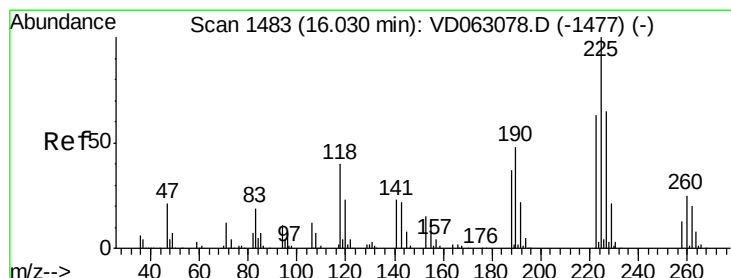
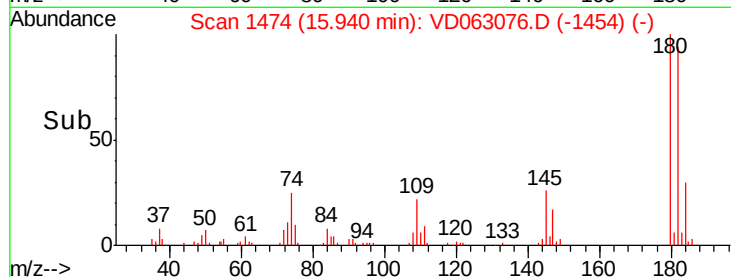
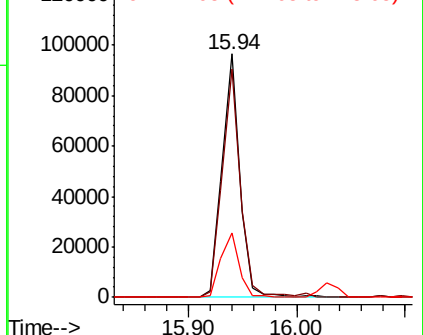
#93
 1,2,4-Trichlorobenzene
 Concen: 10.592 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 110506
 Ion Ratio Lower Upper
 180 100
 182 94.0 49.5 148.3
 145 26.4 12.8 38.4

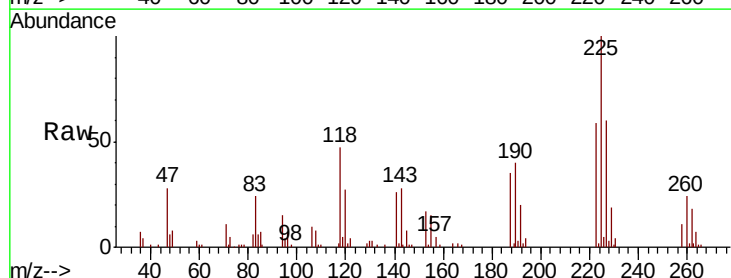


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

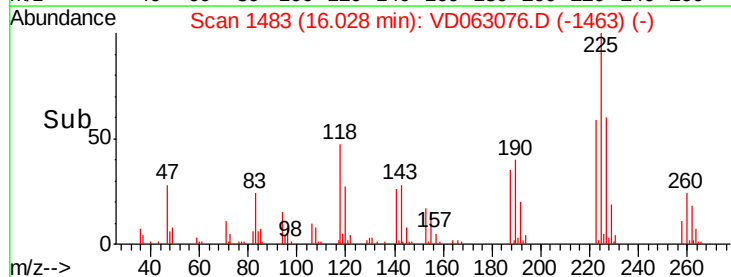
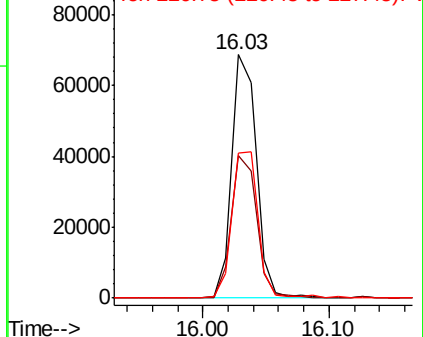


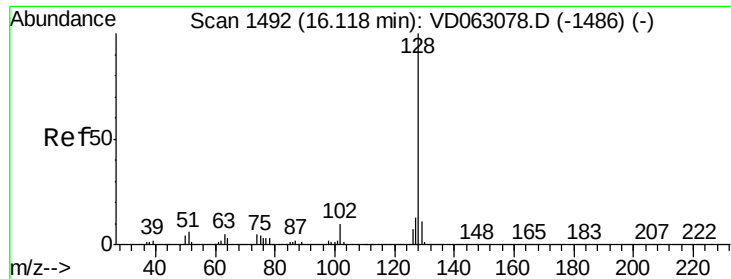
#94
 Hexachlorobutadiene
 Concen: 11.641 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VD063076.D
 Acq: 15 Jul 2019 10:57

Tgt Ion:225 Resp: 91841
 Ion Ratio Lower Upper
 225 100
 223 58.5 31.4 94.2
 227 59.6 32.6 97.8



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

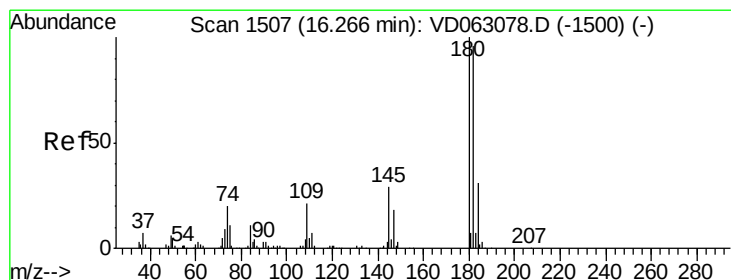
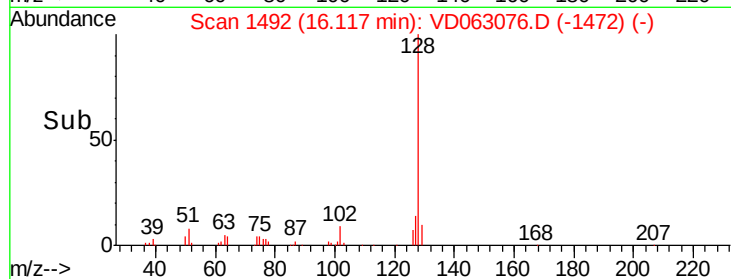
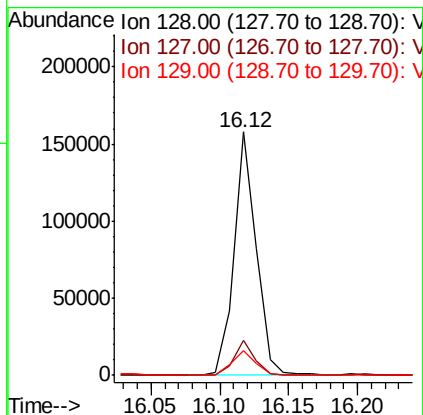
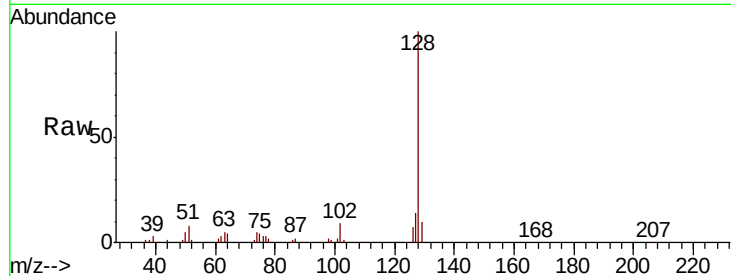




#95
Naphthalene
Concen: 12.190 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 176115
Ion Ratio Lower Upper
128 100
127 14.2 10.7 16.1
129 9.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 11.945 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD063076.D
Acq: 15 Jul 2019 10:57

Tgt Ion:180 Resp: 96660
Ion Ratio Lower Upper
180 100
182 103.1 47.9 143.6
145 32.7 14.4 43.4

