

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063077.D
 Acq On : 15 Jul 2019 11:39
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 16 07:29:17 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	727209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	983052	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	830532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	454974	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	205741	25.32	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	50.64%	
35) Dibromofluoromethane	6.91	113	208971	24.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.00%	
50) Toluene-d8	10.40	98	454478	24.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.80%	
62) 4-Bromofluorobenzene	13.55	95	203867	24.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	210844	23.024	ug/l	95
3) Chloromethane	1.74	50	167643	23.954	ug/l	90
4) Vinyl Chloride	1.84	62	178787	25.810	ug/l	100
5) Bromomethane	2.14	94	66057	20.918	ug/l	95
6) Chloroethane	2.24	64	72552	22.953	ug/l #	82
7) Trichlorofluoromethane	2.51	101	334889	23.461	ug/l	99
8) Diethyl Ether	2.86	74	46127	25.597	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.14	101	196597	25.629	ug/l	95
10) Methyl Iodide	3.29	142	221239	21.899	ug/l	99
11) Tert butyl alcohol	4.08	59	56096	144.427	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	129987	22.708	ug/l	98
13) Acrolein	3.02	56	21149	65.013	ug/l #	48
14) Allyl chloride	3.60	41	219079	25.395	ug/l	95
15) Acrylonitrile	4.19	53	113717	129.029	ug/l	90
16) Acetone	3.21	43	208875	110.833	ug/l #	91
17) Carbon Disulfide	3.36	76	396635	22.124	ug/l	99
18) Methyl Acetate	3.62	43	84845	34.501	ug/l #	91
19) Methyl tert-butyl Ether	4.22	73	349512	27.295	ug/l	98
20) Methylene Chloride	3.80	84	179618	28.689	ug/l	98
21) trans-1,2-Dichloroethene	4.19	96	156393	25.538	ug/l	95
22) Diisopropyl ether	5.10	45	463845	25.911	ug/l	94
23) Vinyl Acetate	5.03	43	1329460	119.213	ug/l	100
24) 1,1-Dichloroethane	4.96	63	282945	24.624	ug/l	97
25) 2-Butanone	6.05	43	199312	127.228	ug/l	93
26) 2,2-Dichloropropane	6.00	77	309097	25.278	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	169686	25.523	ug/l	94
28) Bromochloromethane	6.42	49	104910	25.550	ug/l	92
29) Tetrahydrofuran	6.45	42	91420	124.126	ug/l	95
30) Chloroform	6.64	83	337314	24.182	ug/l	96
31) Cyclohexane	6.94	56	172571	23.230	ug/l #	85
32) 1,1,1-Trichloroethane	6.85	97	348124	24.249	ug/l	96
36) 1,1-Dichloropropene	7.13	75	223804	24.021	ug/l	97
37) Ethyl Acetate	6.17	43	93786	21.467	ug/l	99
38) Carbon Tetrachloride	7.10	117	339548	24.089	ug/l	93

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	192944	23.752	ug/l	92
40) Benzene	7.44	78	473529	24.892	ug/l	100
41) Methacrylonitrile	6.43	41	126857	25.106	ug/l #	89
42) 1,2-Dichloroethane	7.56	62	256432	25.009	ug/l	95
43) Isopropyl Acetate	9.22	43	137729	27.060	ug/l #	97
44) Trichloroethene	8.52	130	197779	26.905	ug/l	96
45) 1,2-Dichloropropane	8.93	63	115781	24.531	ug/l	89
46) Dibromomethane	9.05	93	102337	25.053	ug/l	93
47) Bromodichloromethane	9.36	83	265931	25.371	ug/l	92
48) Methyl methacrylate	9.11	41	85537	23.820	ug/l	94
49) 1,4-Dioxane	9.06	88	14373	471.657	ug/l	93
51) 4-Methyl-2-Pentanone	10.29	43	454845	125.758	ug/l	98
52) Toluene	10.49	92	325270	25.661	ug/l	94
53) t-1,3-Dichloropropene	10.90	75	223635	25.523	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	223671	23.671	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	101786	22.945	ug/l	95
56) Ethyl methacrylate	11.03	69	124134	26.133	ug/l	92
57) 1,3-Dichloropropane	11.40	76	160530	24.037	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	348448	137.302	ug/l	99
59) 2-Hexanone	11.52	43	351236	134.401	ug/l	99
60) Dibromochloromethane	11.68	129	210097	25.387	ug/l	100
61) 1,2-Dibromoethane	11.79	107	132314	25.471	ug/l	93
64) Tetrachloroethene	11.24	164	157764	22.926	ug/l	91
65) Chlorobenzene	12.39	112	417675	26.457	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	182748	24.819	ug/l	98
67) Ethyl Benzene	12.51	91	691006	24.495	ug/l	100
68) m/p-Xylenes	12.66	106	484945	49.670	ug/l	93
69) o-Xylene	13.04	106	226368	25.153	ug/l	99
70) Styrene	13.06	104	404867	25.383	ug/l	97
71) Bromoform	13.23	173	126385	24.748	ug/l #	98
73) Isopropylbenzene	13.40	105	706004	23.714	ug/l	96
74) N-amyl acetate	13.26	43	197636	26.529	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	13.69	83	128240	25.439	ug/l	99
76) 1,2,3-Trichloropropane	13.72	75	142936	25.811	ug/l	93
77) Bromobenzene	13.66	156	198979	24.672	ug/l	86
78) n-propylbenzene	13.77	91	815970	23.194	ug/l	97
79) 2-Chlorotoluene	13.83	91	495700	24.753	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	601912	23.887	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	33716	23.291	ug/l	96
82) 4-Chlorotoluene	13.94	91	556397	23.120	ug/l	96
83) tert-Butylbenzene	14.19	119	682014	24.122	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	625689	24.396	ug/l	91
85) sec-Butylbenzene	14.36	105	745988	24.354	ug/l	97
86) p-Isopropyltoluene	14.48	119	711881	25.767	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	366153	25.382	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	350854	24.310	ug/l	97
89) n-Butylbenzene	14.80	91	641063	24.455	ug/l	98
90) Hexachloroethane	15.00	117	177385	23.631	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	325996	26.017	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23730	24.433	ug/l #	63

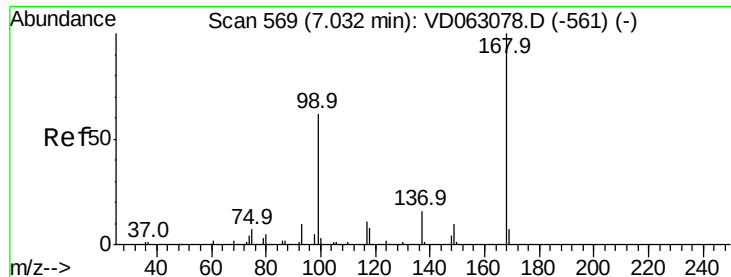
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071519\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	246525	25.068	ug/l	99
94) Hexachlorobutadiene	16.04	225	175323	23.575	ug/l	98
95) Naphthalene	16.11	128	360067	26.441	ug/l	96
96) 1,2,3-Trichlorobenzene	16.26	180	184955	24.248	ug/l	98

(#) = 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: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

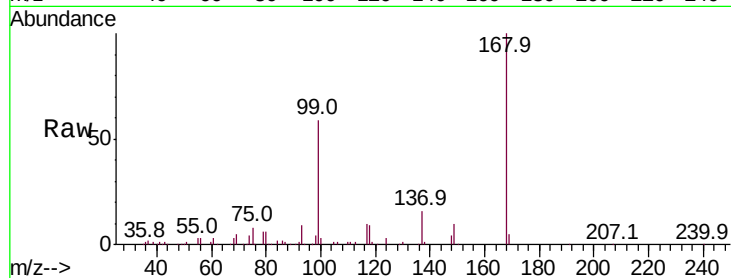
VSTDIC020

Tot Ion:168 Resp: 727209

Ion Ratio Lower Upper

168 100

99 59.2 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

250000

200000

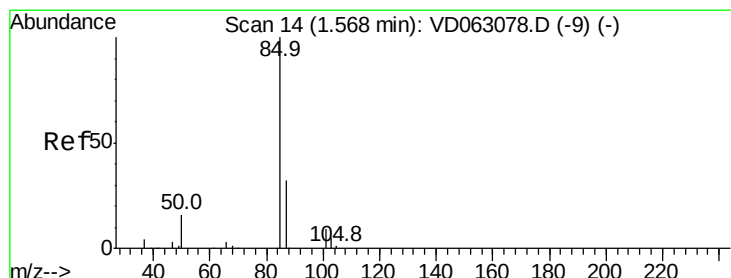
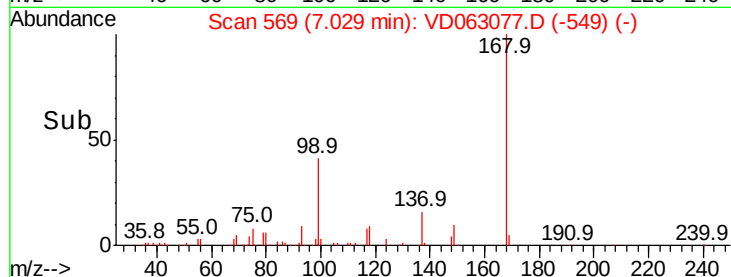
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.024 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD063077.D

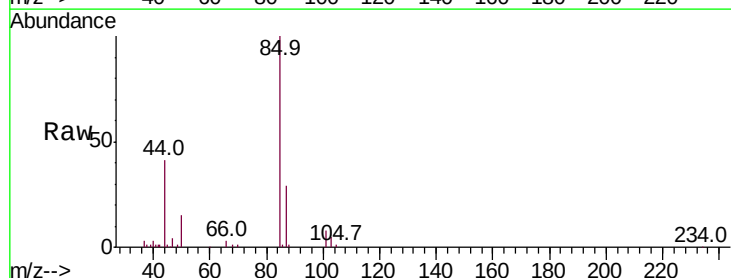
Acq: 15 Jul 2019 11:39

Tgt Ion: 85 Resp: 210844

Ion Ratio Lower Upper

85 100

87 29.0 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

100000

80000

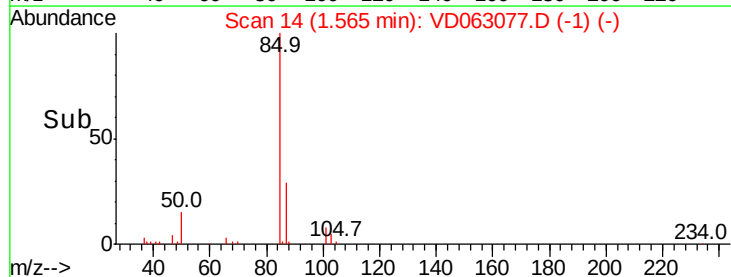
60000

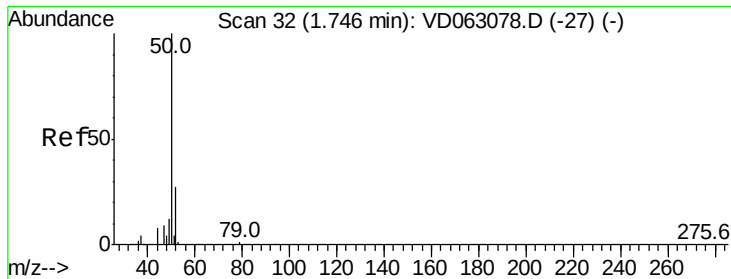
40000

20000

0

Time-->





#3

Chloromethane

Concen: 23.954 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

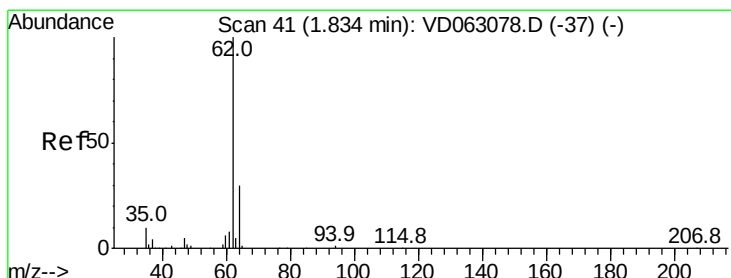
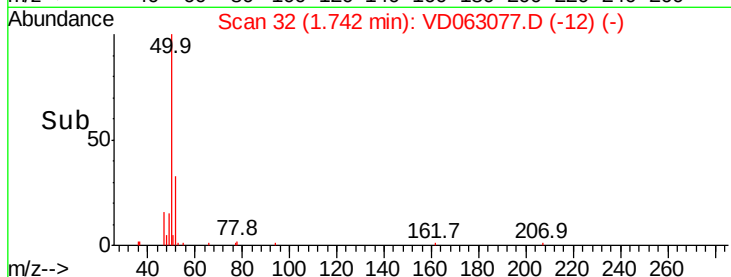
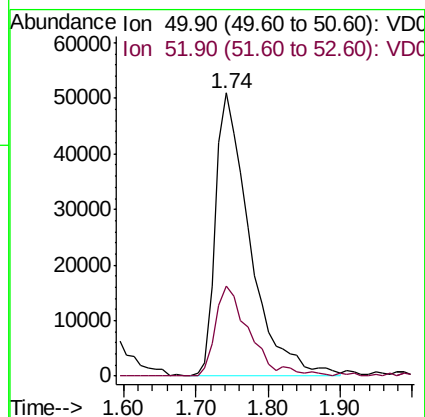
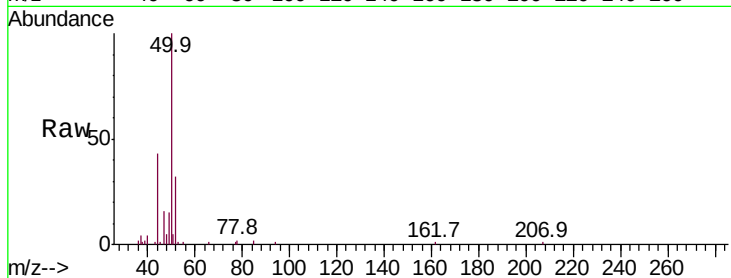
VSTDIC020

Tot Ion: 50 Resp: 167643

Ion Ratio Lower Upper

50 100

52 32.0 21.4 32.2



#4

Vinyl Chloride

Concen: 25.810 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD063077.D

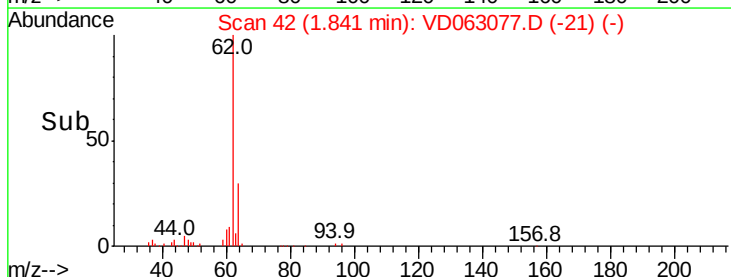
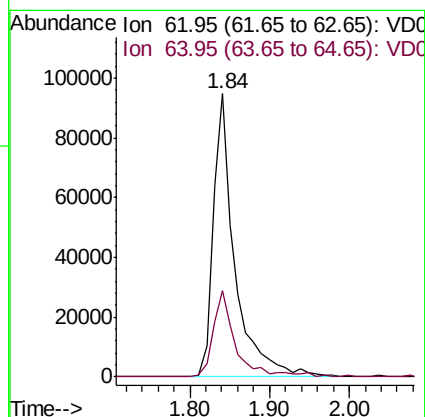
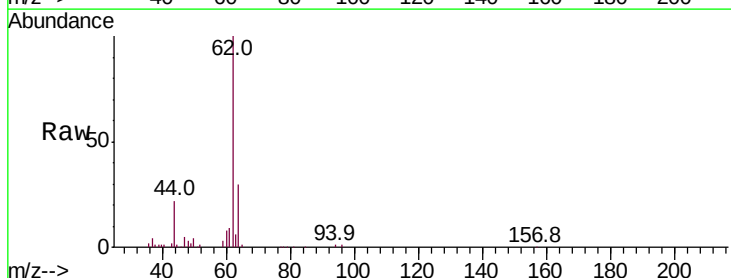
Acq: 15 Jul 2019 11:39

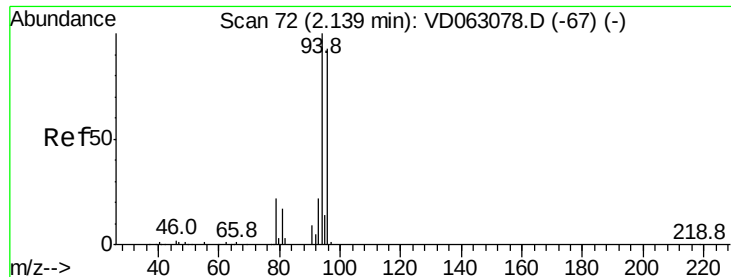
Tgt Ion: 62 Resp: 178787

Ion Ratio Lower Upper

62 100

64 30.3 24.4 36.6





#5

Bromomethane

Concen: 20.918 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

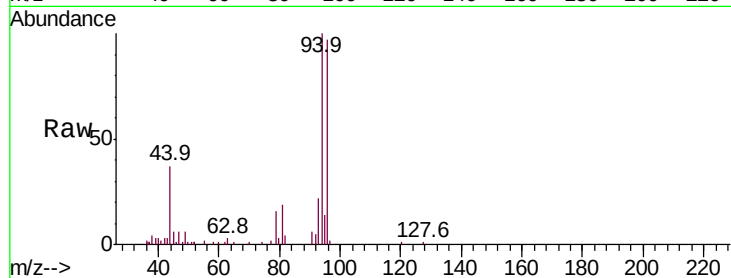
Tot Ion: 94 Resp: 66057

Ion Ratio Lower Upper

94 100

96 98.6 74.2 111.2

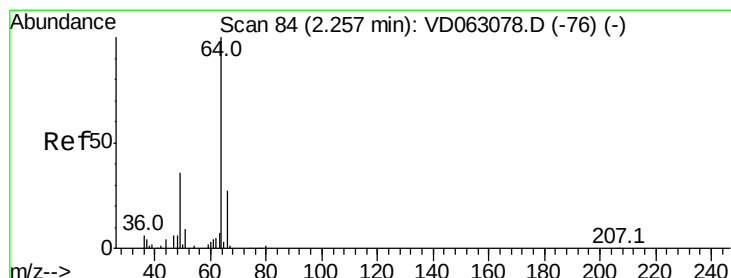
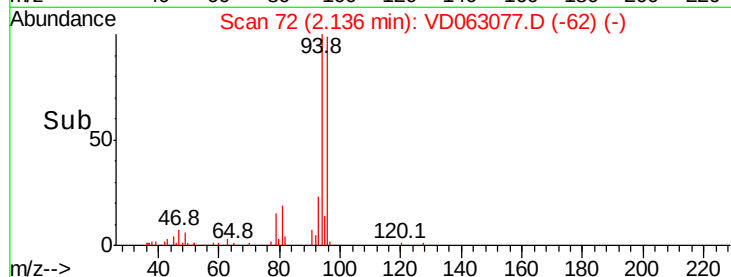
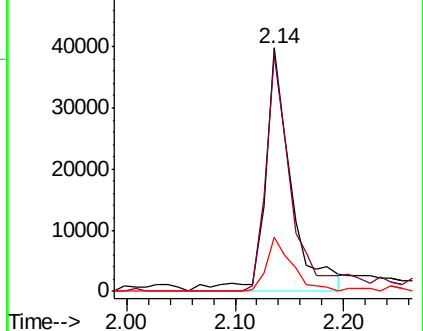
93 22.0 17.8 26.6



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 22.953 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.01 min

Lab File: VD063077.D

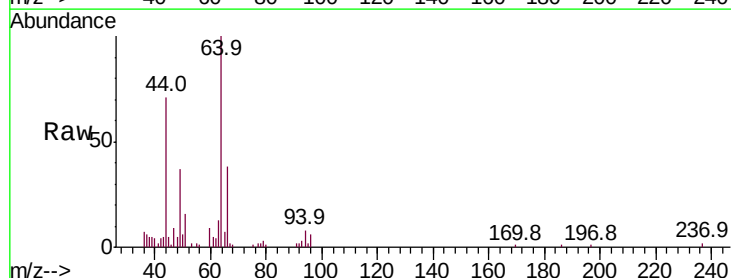
Acq: 15 Jul 2019 11:39

Tgt Ion: 64 Resp: 72552

Ion Ratio Lower Upper

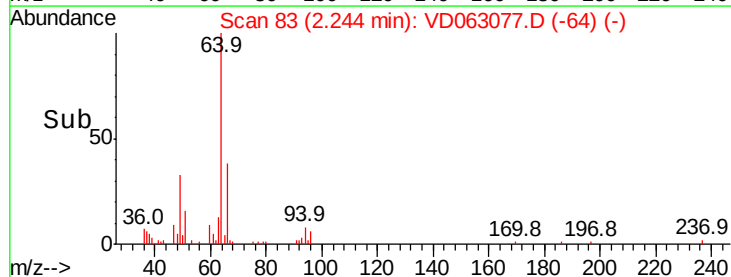
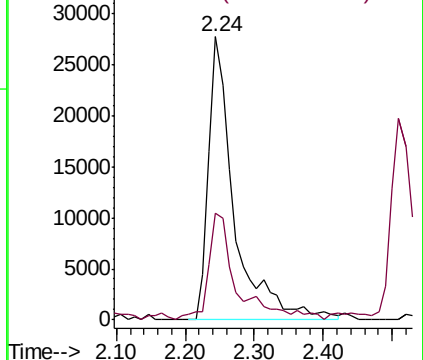
64 100

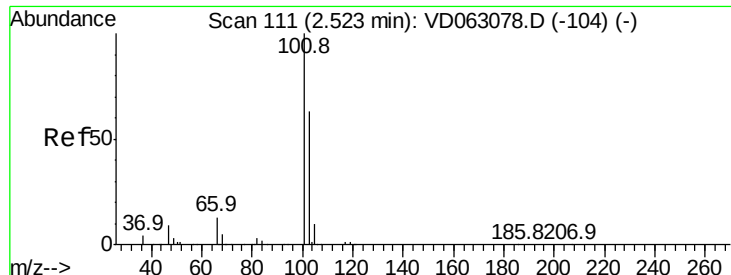
66 37.8 22.5 33.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



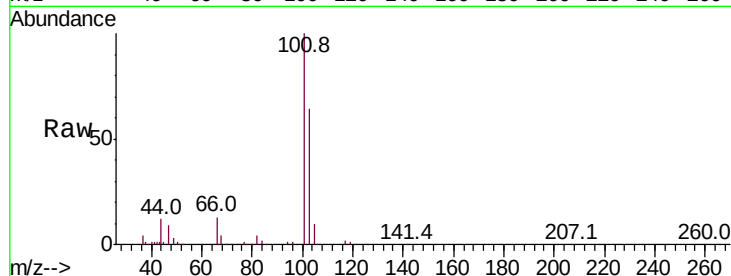


#7

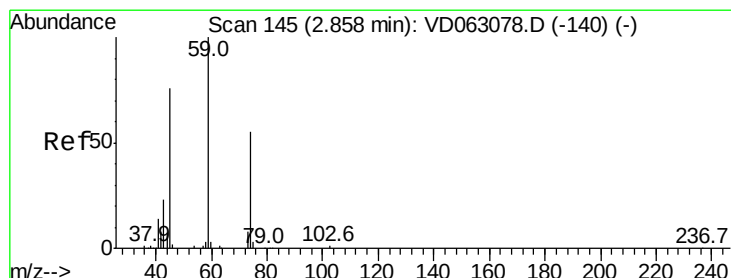
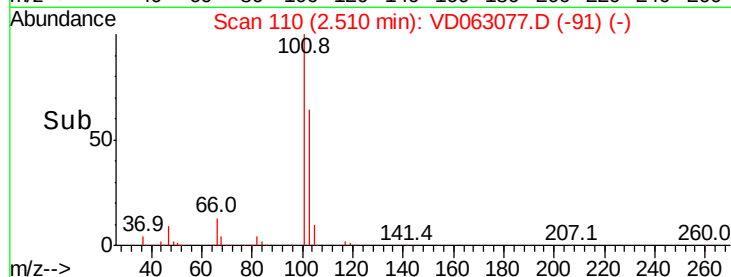
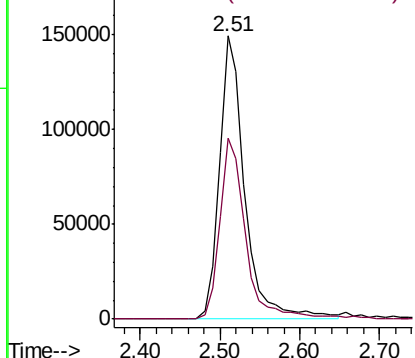
Trichlorofluoromethane
Concen: 23.461 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.01 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

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Tot Ion:101 Resp: 334889
Ion Ratio Lower Upper
101 100
103 64.0 50.6 76.0



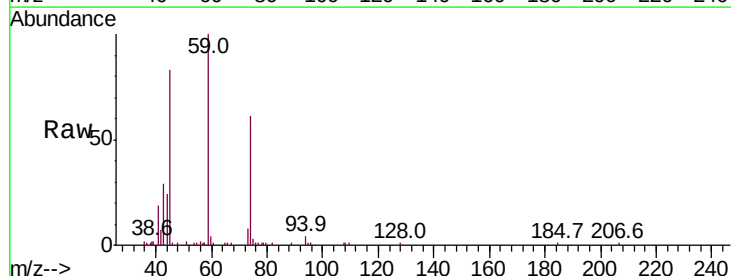
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



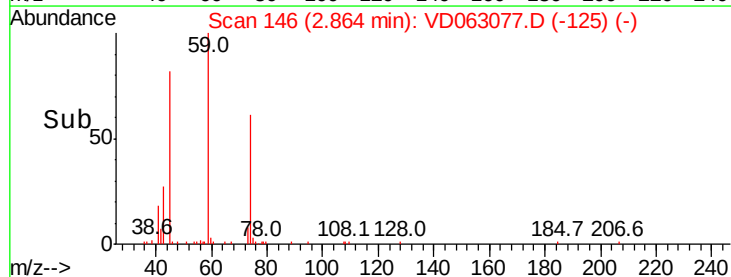
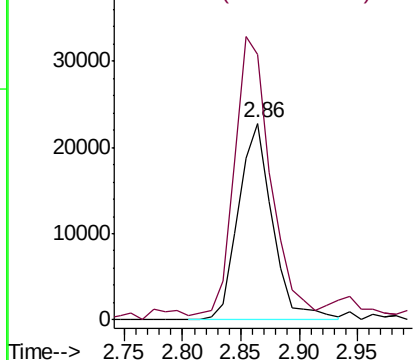
#8

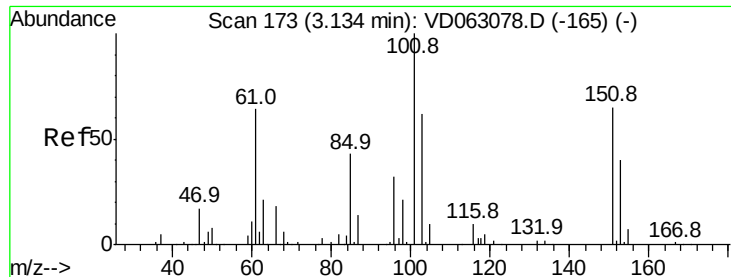
Diethyl Ether
Concen: 25.597 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.01 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion: 74 Resp: 46127
Ion Ratio Lower Upper
74 100
45 135.5 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: 25.629 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

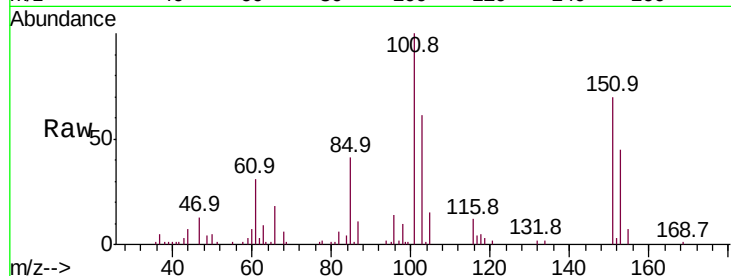
Tot Ion:101 Resp: 196597

Ion Ratio Lower Upper

101 100

85 41.4 34.6 51.8

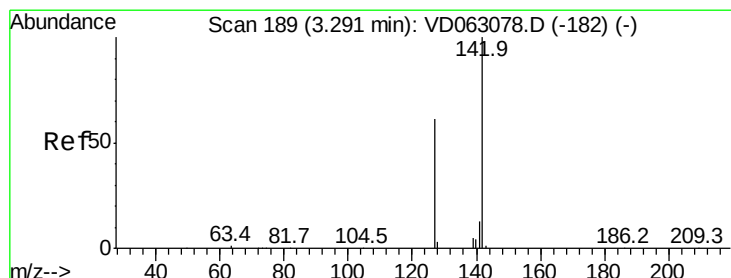
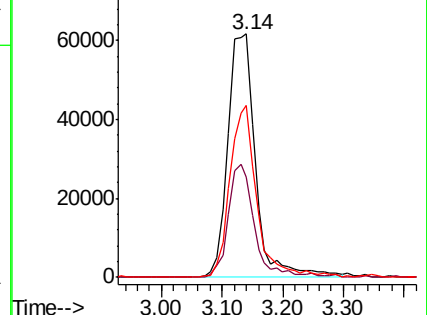
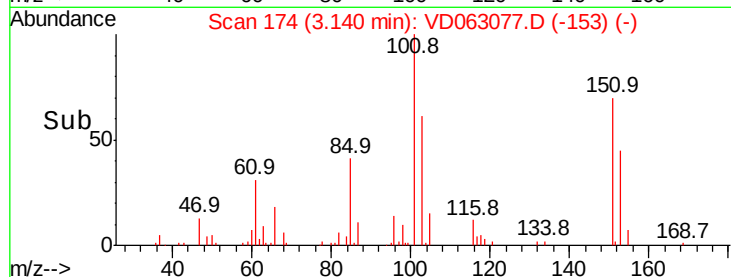
151 70.4 52.4 78.6



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: 21.899 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

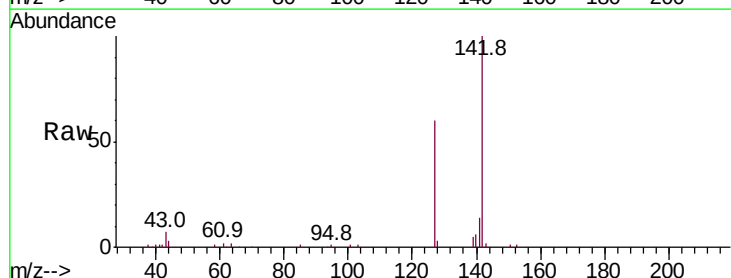
Tgt Ion:142 Resp: 221239

Ion Ratio Lower Upper

142 100

127 60.1 48.6 73.0

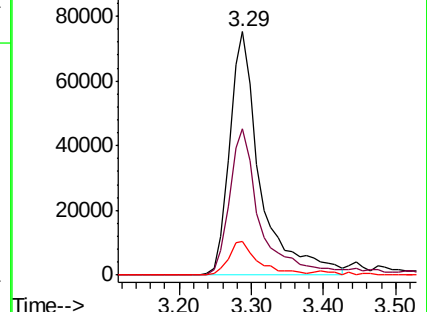
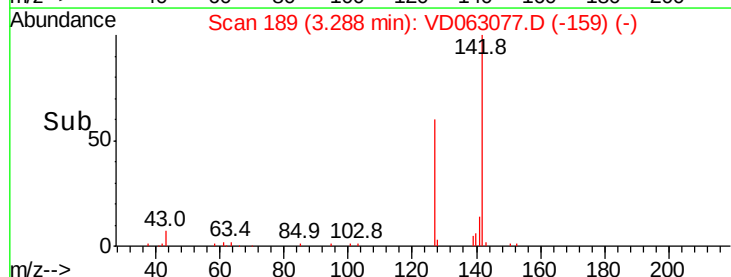
141 13.6 10.6 16.0

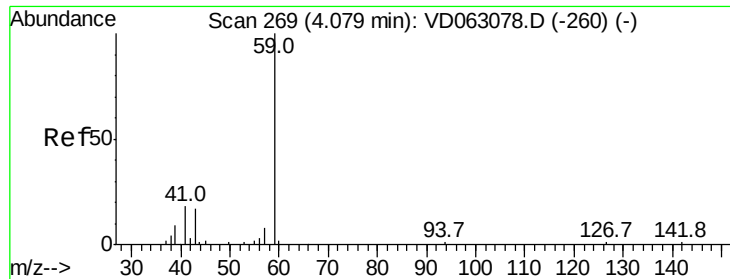


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

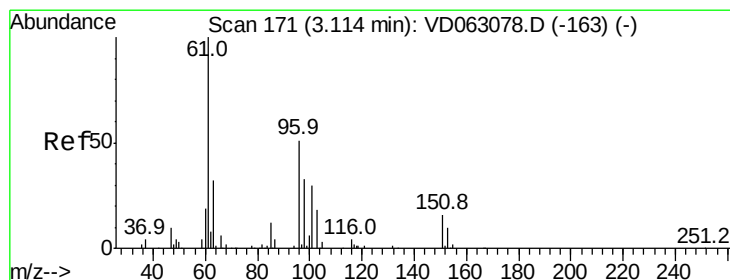
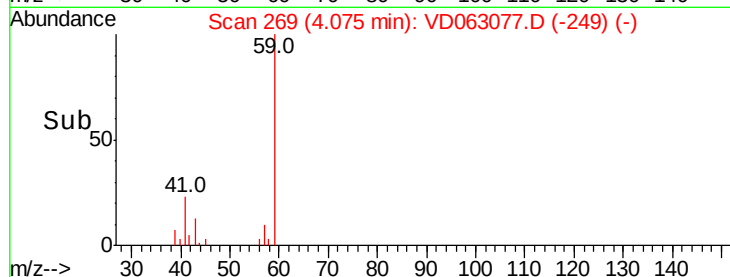
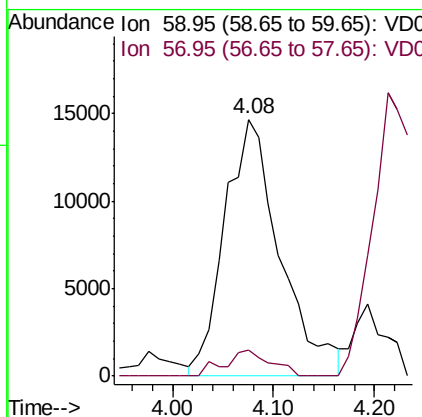
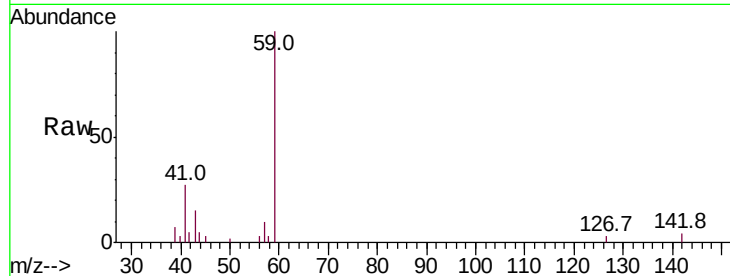




#11
Tert butyl alcohol
Concen: 144.427 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

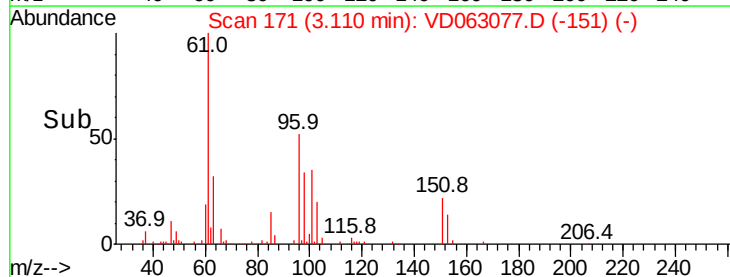
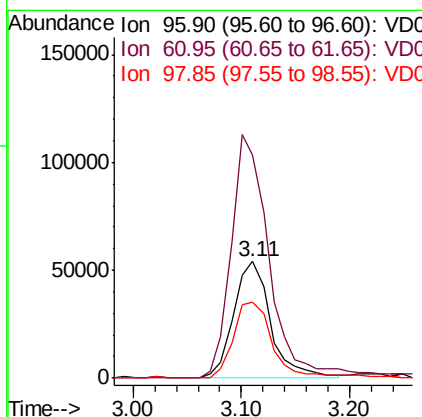
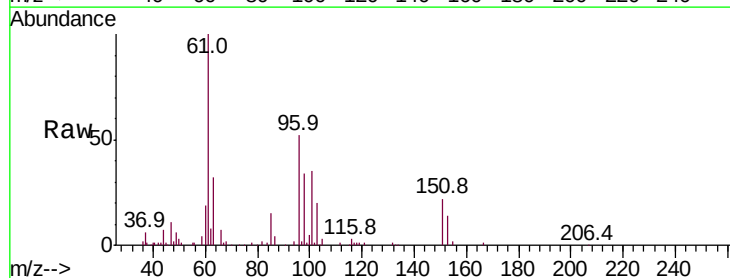
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

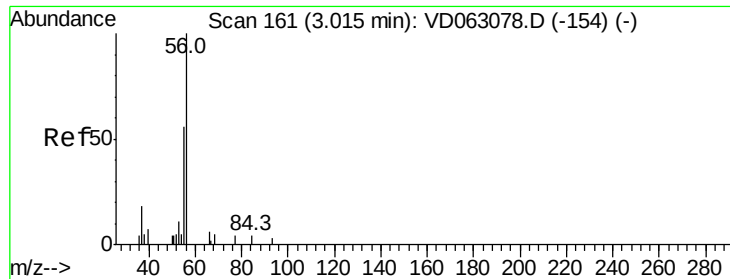
Tot Ion: 59 Resp: 56096
Ion Ratio Lower Upper
59 100
57 10.2 6.4 9.6#



#12
1,1-Dichloroethene
Concen: 22.708 ug/l
RT: 3.11 min Scan# 171
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion: 96 Resp: 129987
Ion Ratio Lower Upper
96 100
61 191.6 155.5 233.3
98 65.6 51.5 77.3





#13

Acrolein

Concen: 65.013 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

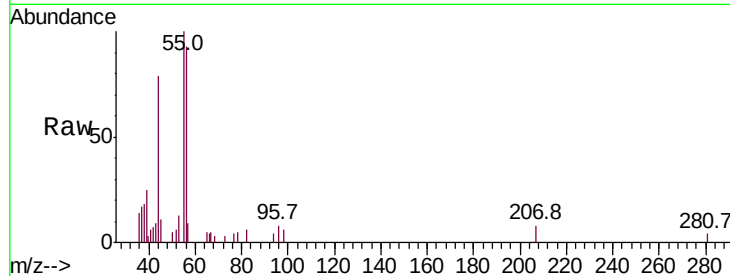
VSTDIC020

Tot Ion: 56 Resp: 21149

Ion Ratio Lower Upper

56 100

55 107.5 53.0 79.4#

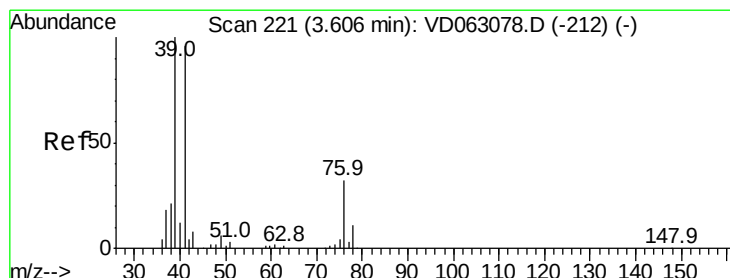
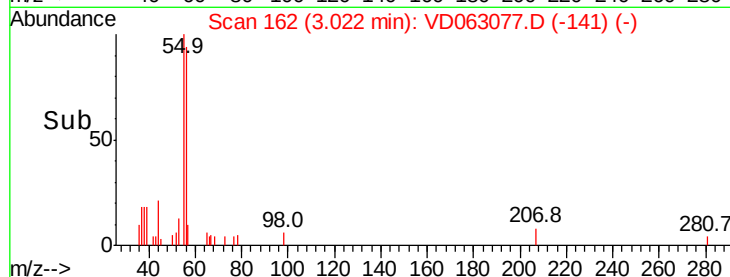


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

Time-->



#14

Allyl chloride

Concen: 25.395 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

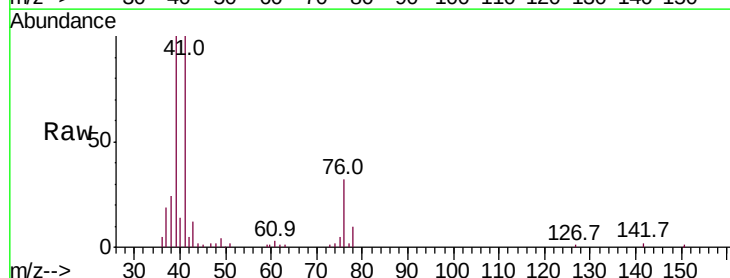
Tgt Ion: 41 Resp: 219079

Ion Ratio Lower Upper

41 100

39 99.9 83.5 125.3

76 31.6 27.8 41.8



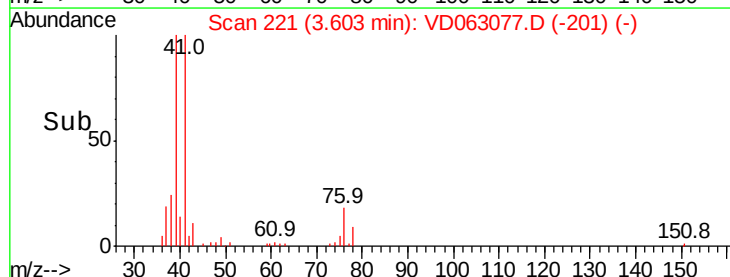
Abundance Ion 41.05 (40.75 to 41.75): VDC

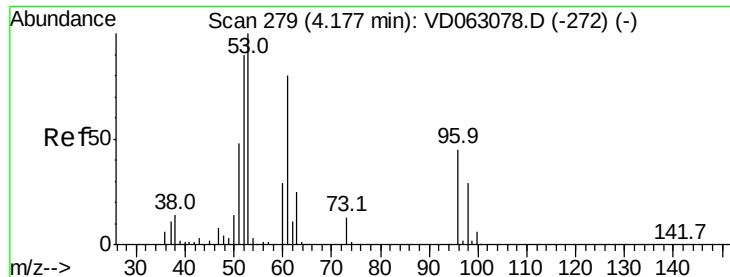
Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.60

Time-->





#15

Acrylonitrile

Concen: 129.029 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.02 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

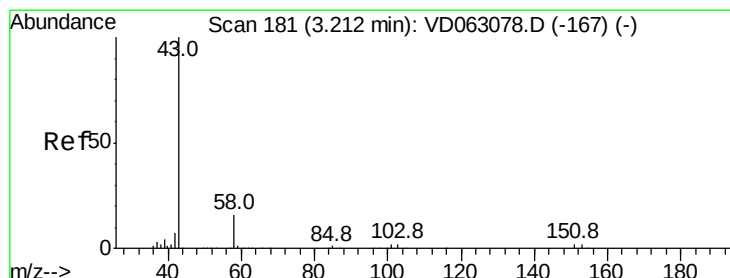
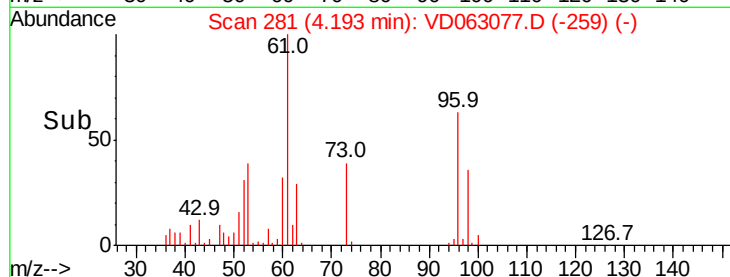
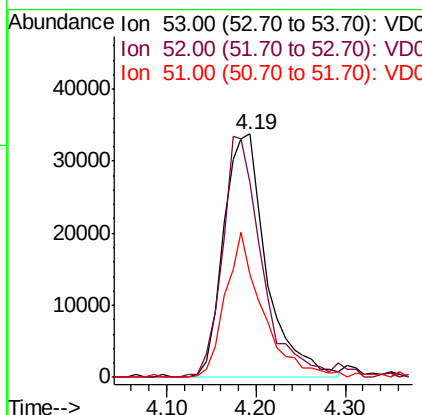
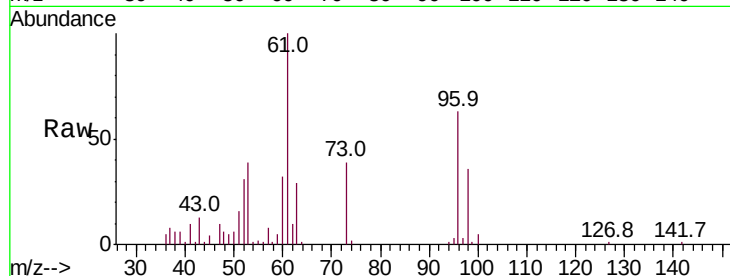
Tot Ion: 53 Resp: 113717

Ion Ratio Lower Upper

53 100

52 80.1 72.3 108.5

51 42.3 38.0 57.0



#16

Acetone

Concen: 110.833 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063077.D

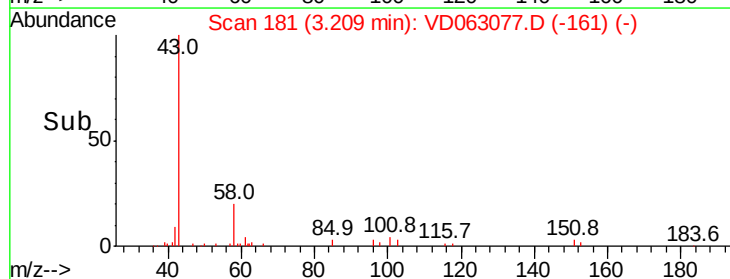
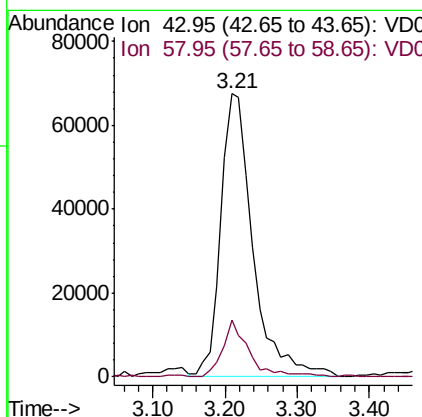
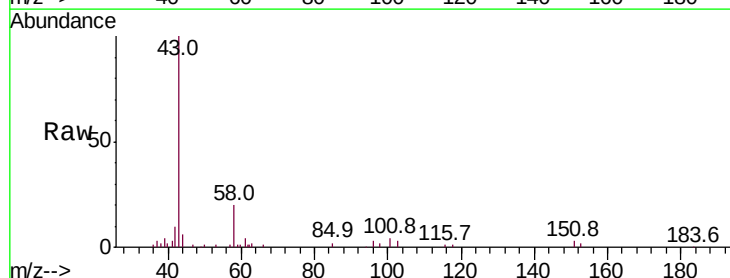
Acq: 15 Jul 2019 11:39

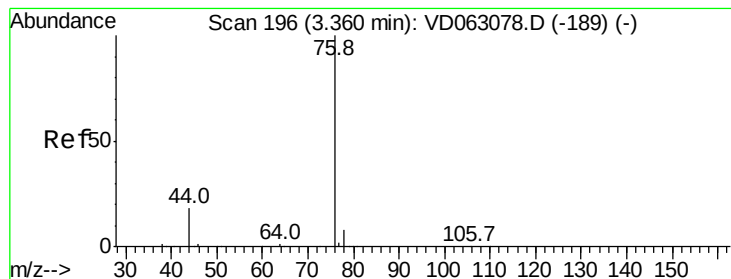
Tgt Ion: 43 Resp: 208875

Ion Ratio Lower Upper

43 100

58 20.0 13.0 19.4#





#17

Carbon Disulfide

Concen: 22.124 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

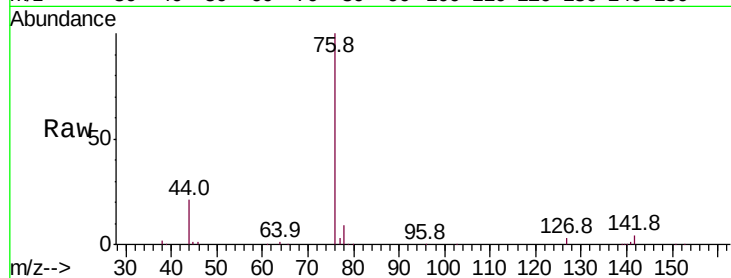
VSTDIC020

Tot Ion: 76 Resp: 396635

Ion Ratio Lower Upper

76 100

78 8.8 6.7 10.1



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

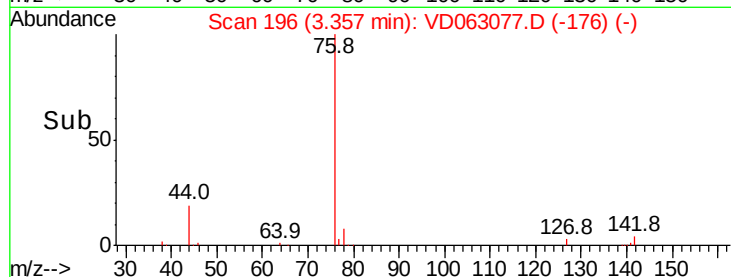
150000

100000

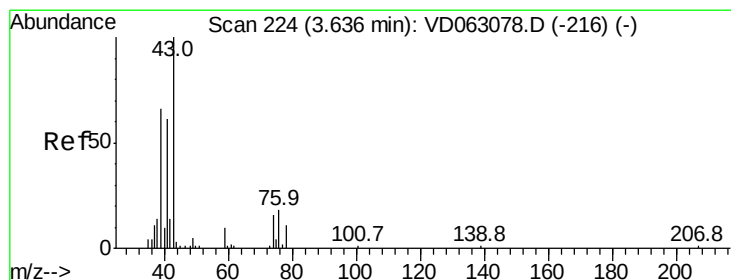
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 34.501 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD063077.D

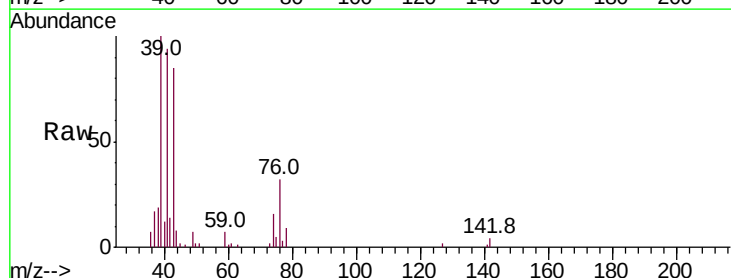
Acq: 15 Jul 2019 11:39

Tgt Ion: 43 Resp: 84845

Ion Ratio Lower Upper

43 100

74 19.2 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.62

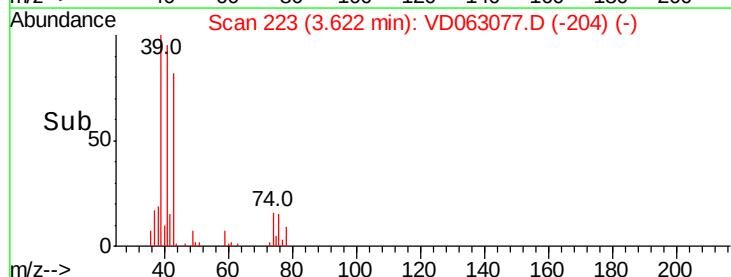
30000

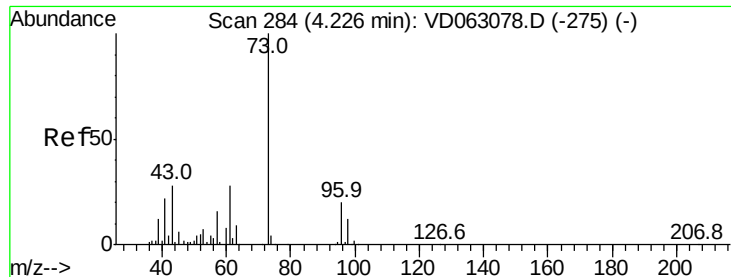
20000

10000

0

Time-->



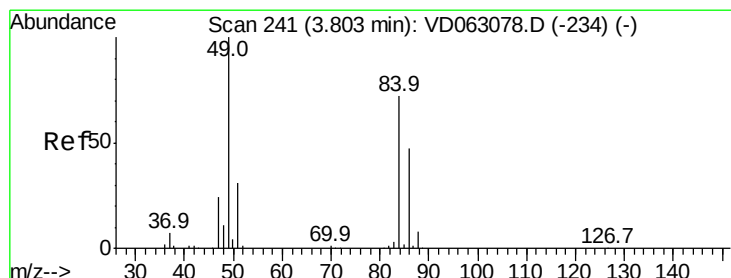
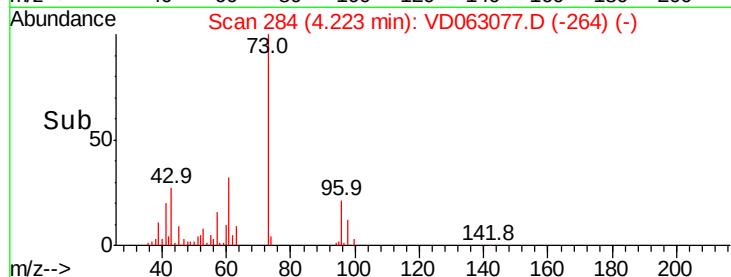
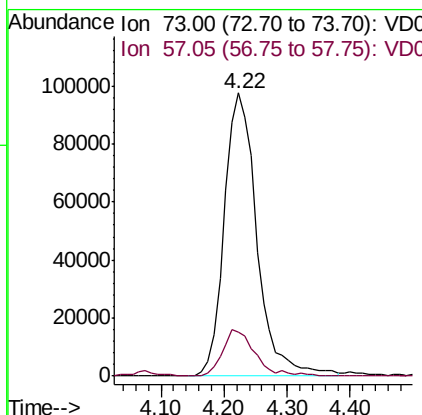
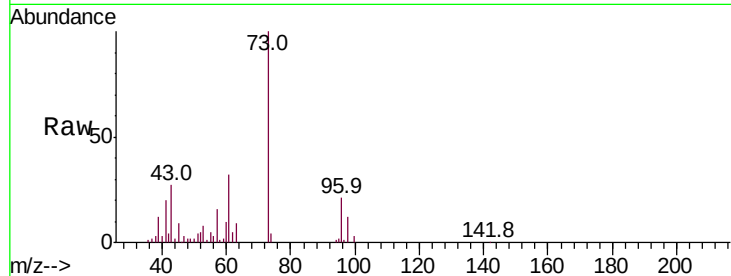


#19

Methyl tert-butyl Ether
 Concen: 27.295 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

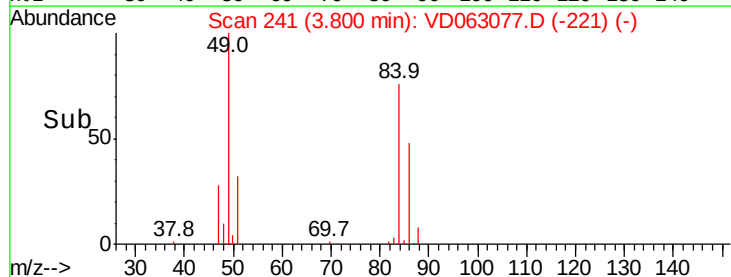
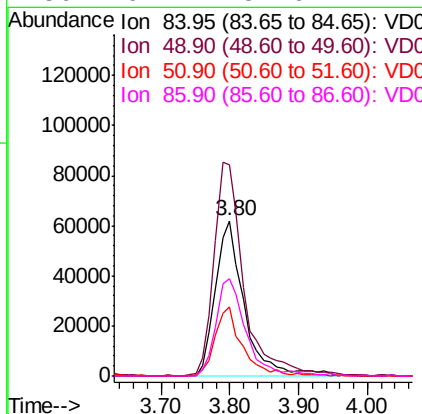
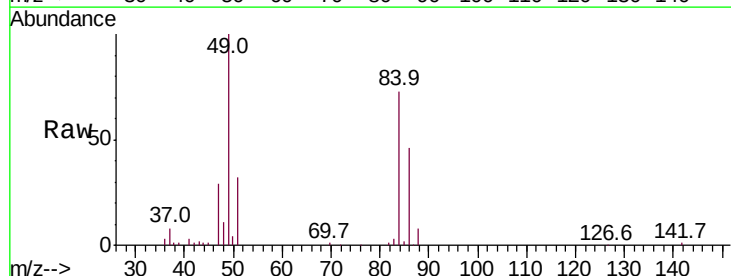
Tot Ion: 73 Resp: 349512
 Ion Ratio Lower Upper
 73 100
 57 15.6 13.1 19.7

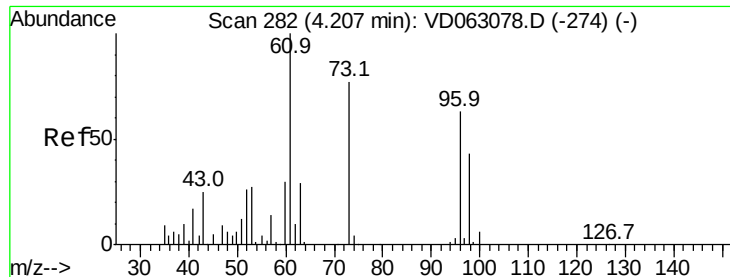


#20

Methylene Chloride
 Concen: 28.689 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Tgt Ion: 84 Resp: 179618
 Ion Ratio Lower Upper
 84 100
 49 136.1 110.5 165.7
 51 44.2 34.6 51.8
 86 62.7 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 25.538 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

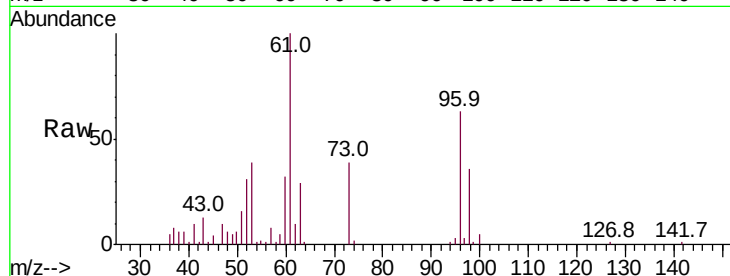
Tot Ion: 96 Resp: 156393

Ion Ratio Lower Upper

96 100

61 159.1 128.0 192.0

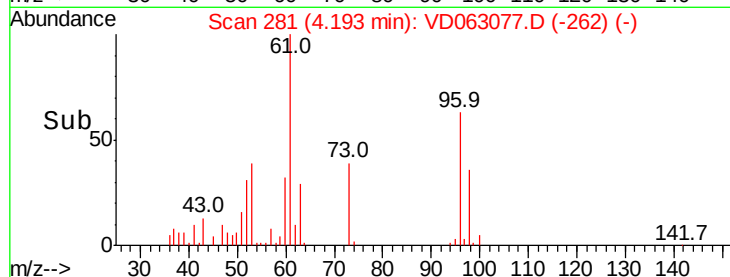
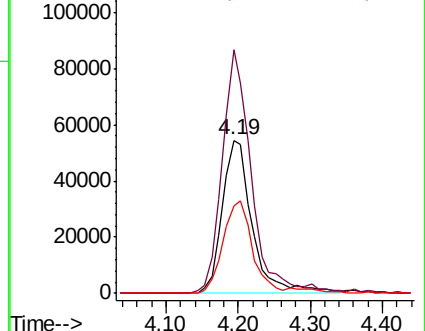
98 57.1 55.2 82.8



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: 25.911 ug/l

RT: 5.10 min Scan# 373

Delta R.T. -0.01 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Tgt Ion: 45 Resp: 463845

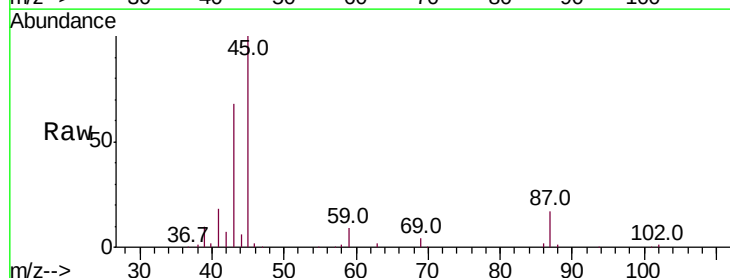
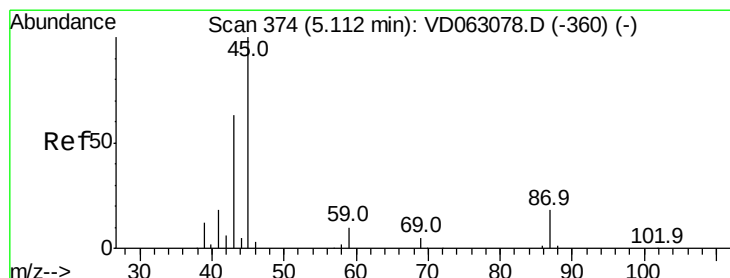
Ion Ratio Lower Upper

45 100

43 68.0 50.5 75.7

87 16.6 15.1 22.7

59 9.0 7.6 11.4

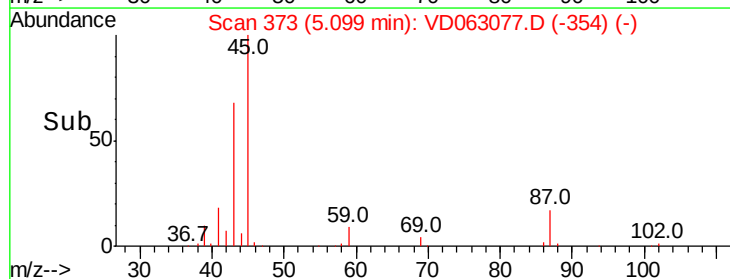
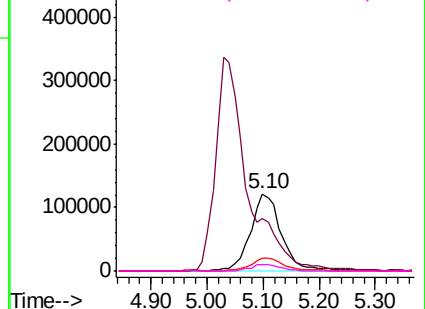


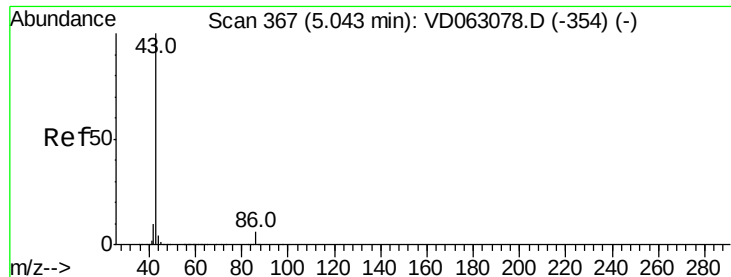
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 119.213 ug/l

RT: 5.03 min Scan# 366

Delta R.T. -0.01 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

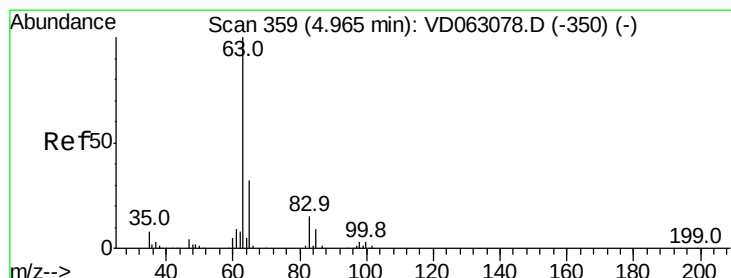
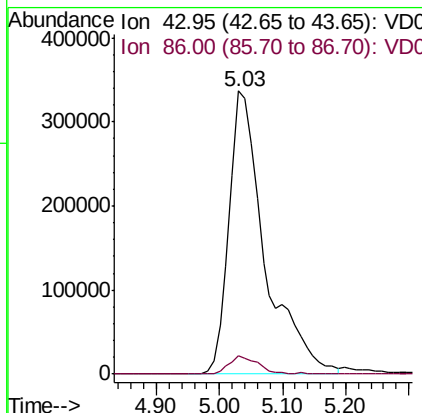
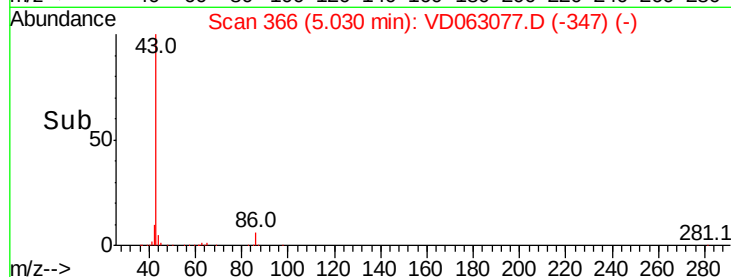
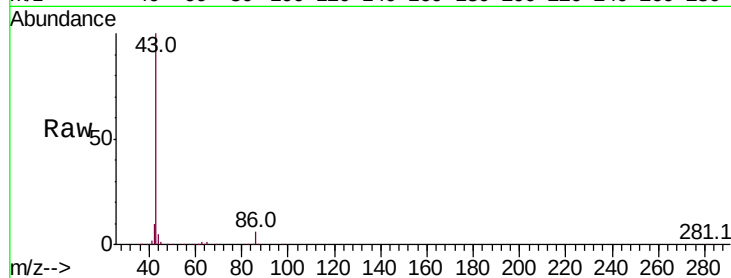
VSTDIC020

Tot Ion: 43 Resp: 1329460

Ion Ratio Lower Upper

43 100

86 6.4 5.0 7.6



#24

1,1-Dichloroethane

Concen: 24.624 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

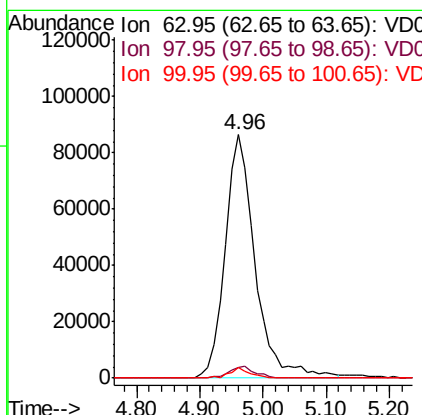
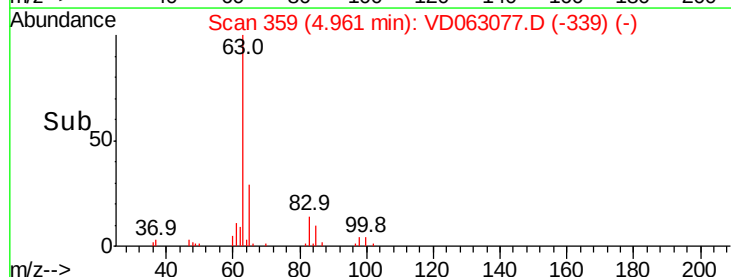
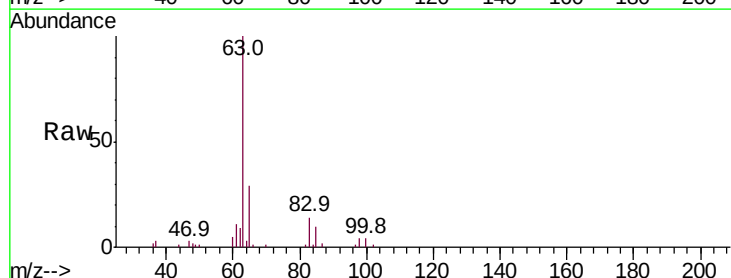
Tgt Ion: 63 Resp: 282945

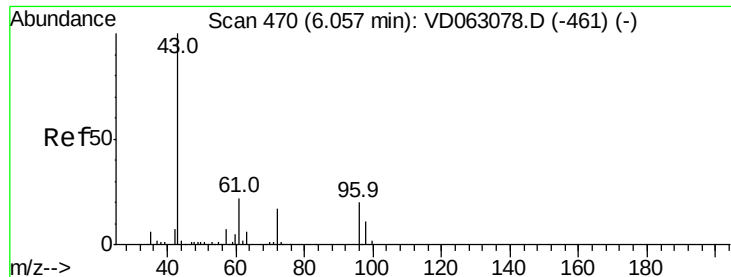
Ion Ratio Lower Upper

63 100

98 4.2 1.7 5.1

100 4.2 1.5 4.5





#25

2-Butanone

Concen: 127.228 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

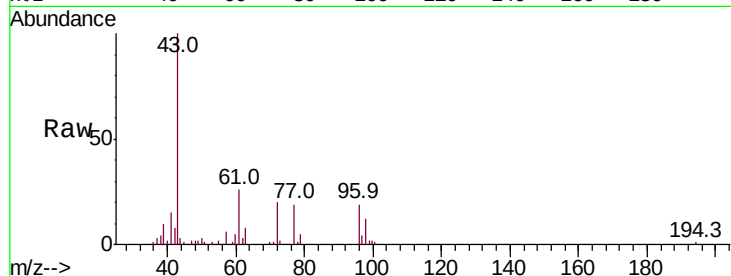
VSTDIC020

Tot Ion: 43 Resp: 199312

Ion Ratio Lower Upper

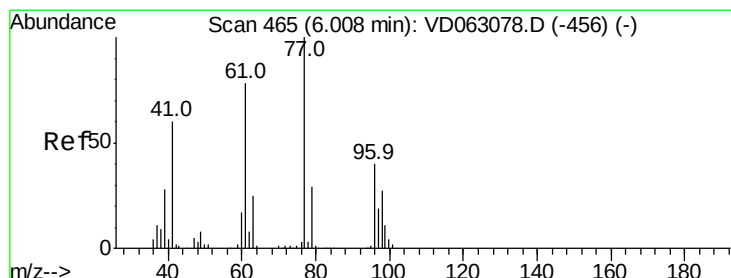
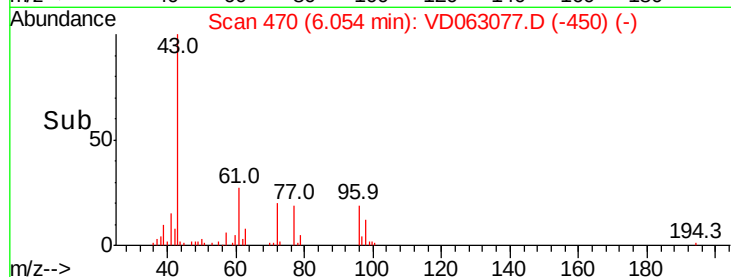
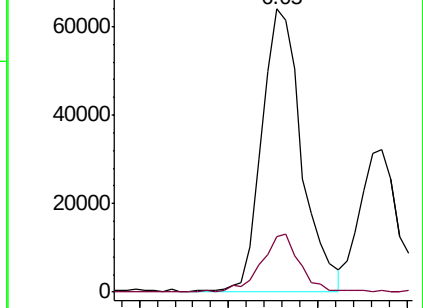
43 100

72 19.7 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: 25.278 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD063077.D

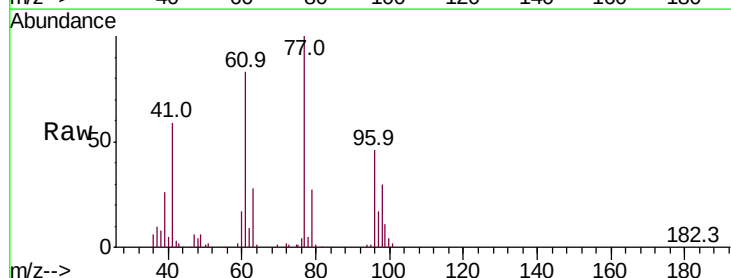
Acq: 15 Jul 2019 11:39

Tgt Ion: 77 Resp: 309097

Ion Ratio Lower Upper

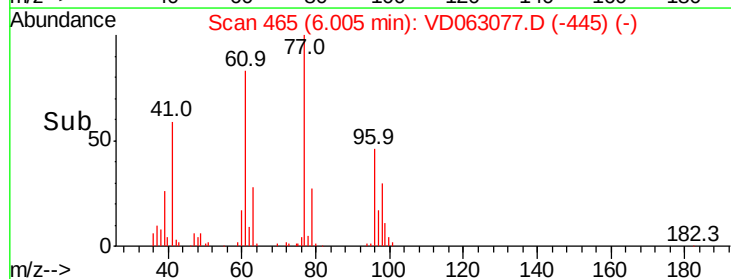
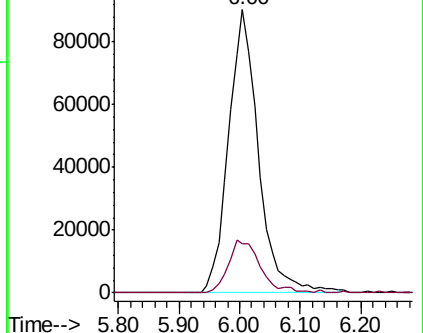
77 100

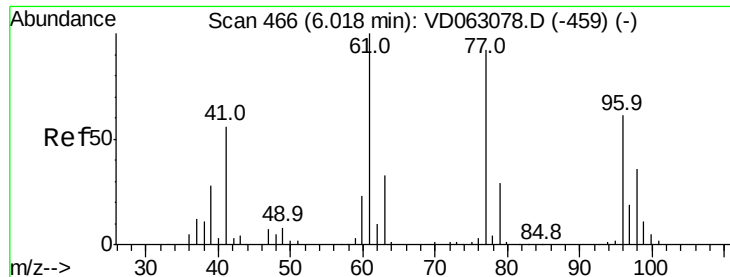
97 17.5 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



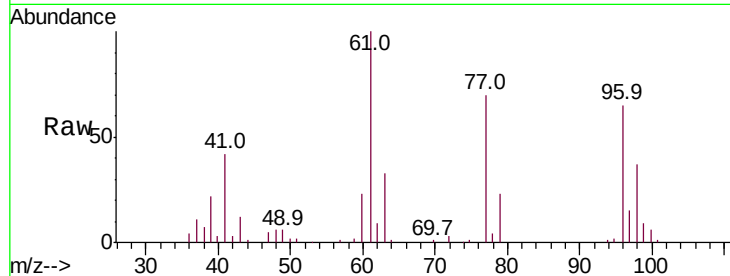


#27

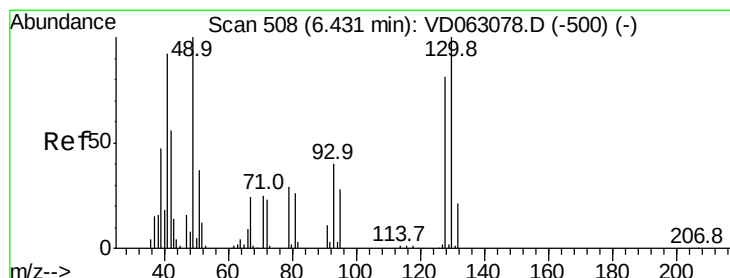
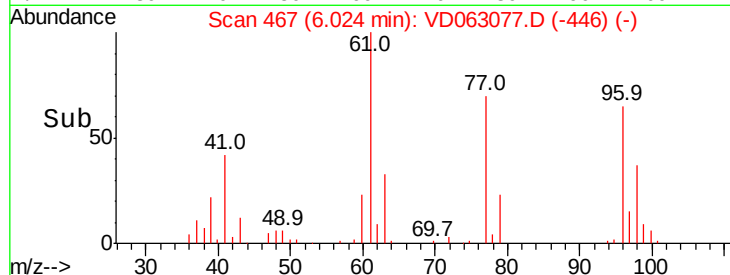
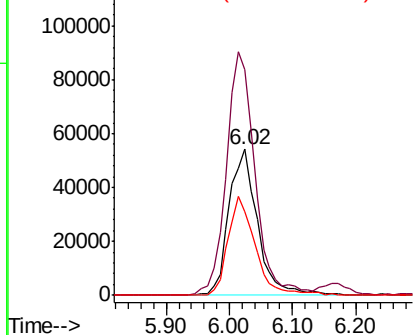
cis-1,2-Dichloroethene
Concen: 25.523 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	329.6
98	57.2	0.0	118.4



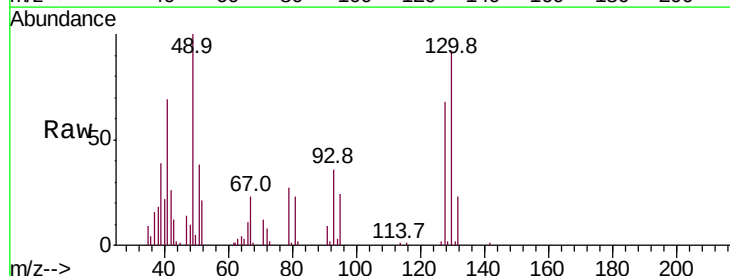
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



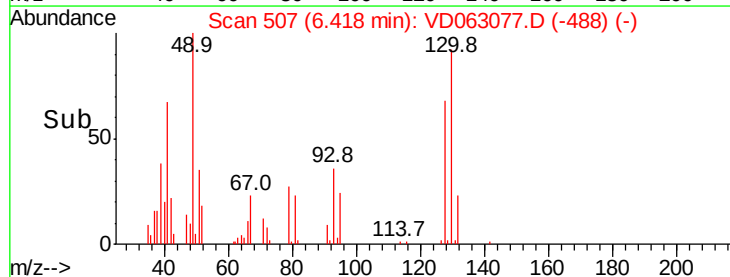
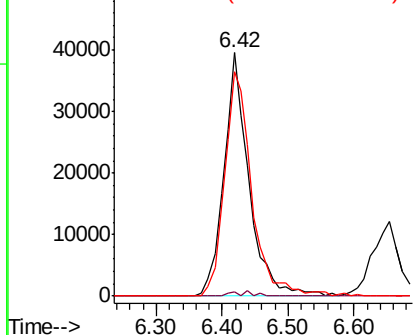
#28

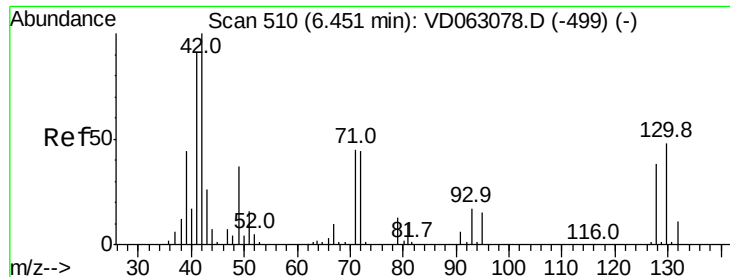
Bromochloromethane
Concen: 25.550 ug/l
RT: 6.42 min Scan# 507
Delta R.T. -0.01 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.6
130	92.3	80.3	120.5



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

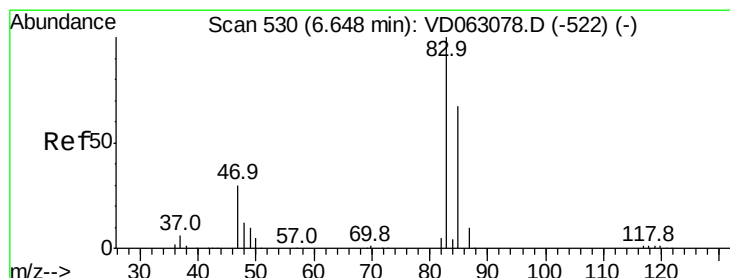
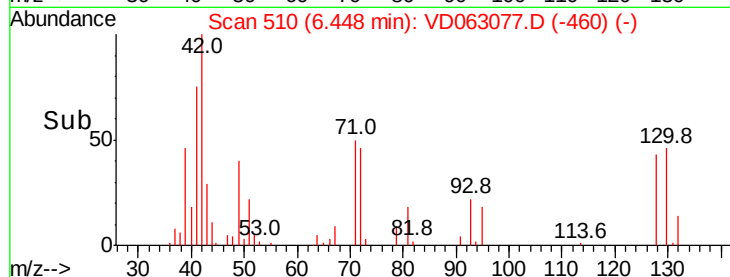
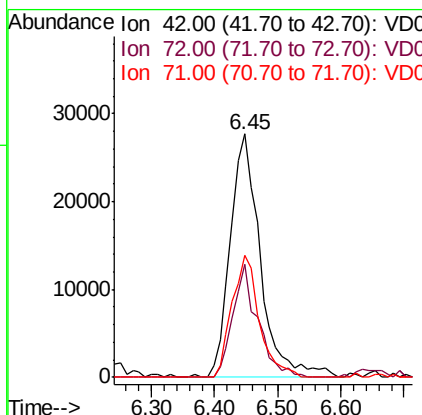
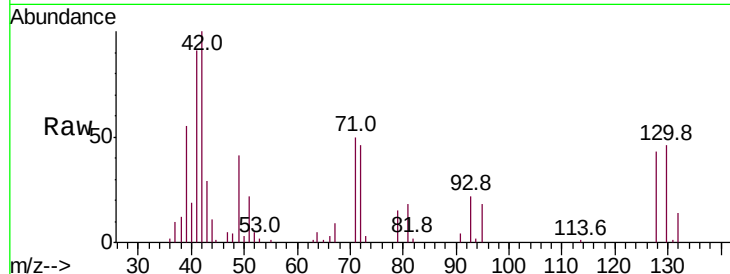




#29
Tetrahydrofuran
Concen: 124.126 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

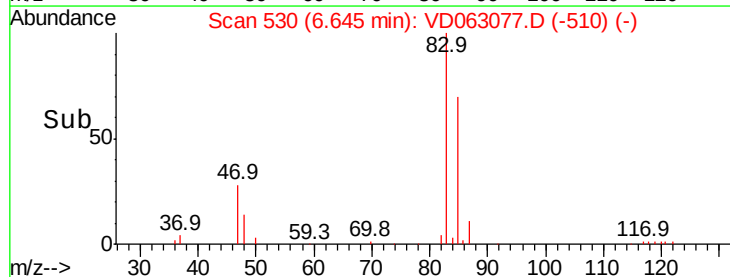
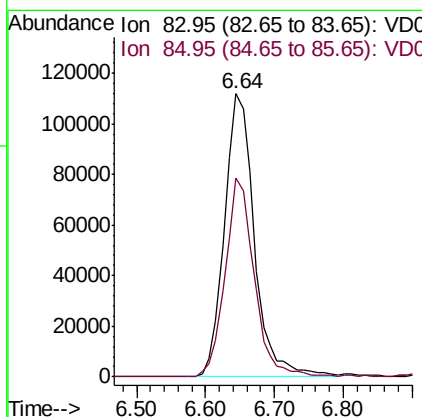
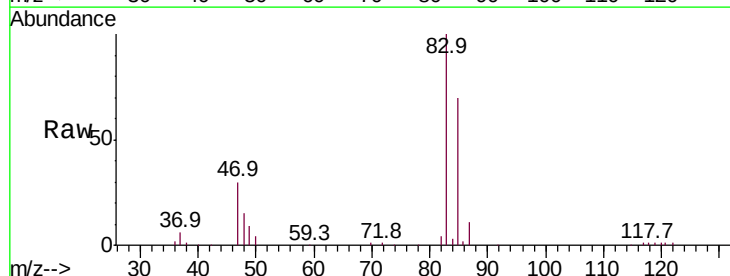
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

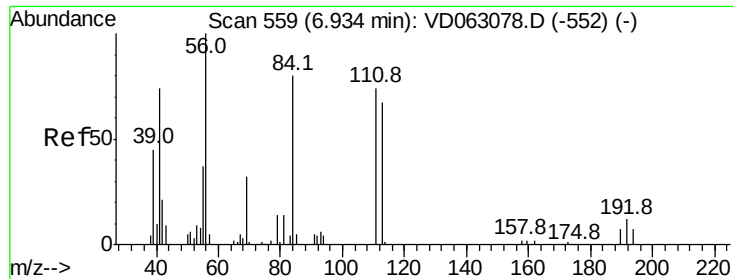
Tot Ion: 42 Resp: 91420
Ion Ratio Lower Upper
42 100
72 38.4 33.7 50.5
71 45.4 34.2 51.2



#30
Chloroform
Concen: 24.182 ug/l
RT: 6.64 min Scan# 530
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion: 83 Resp: 337314
Ion Ratio Lower Upper
83 100
85 70.1 53.8 80.8

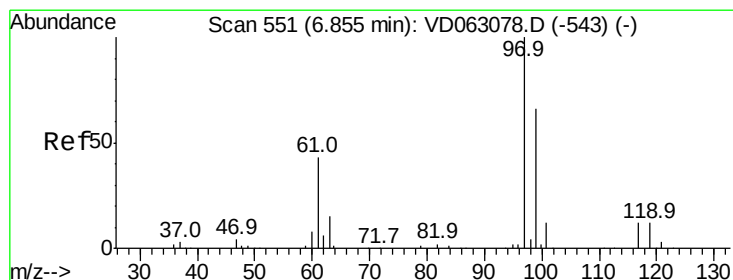
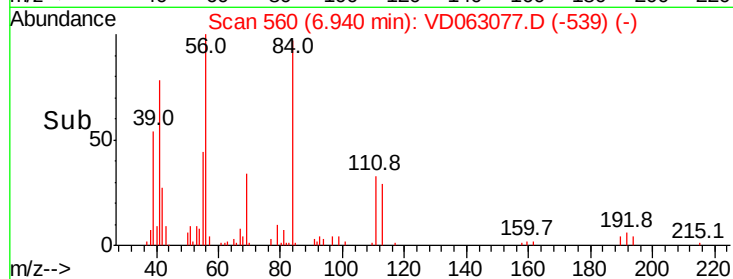
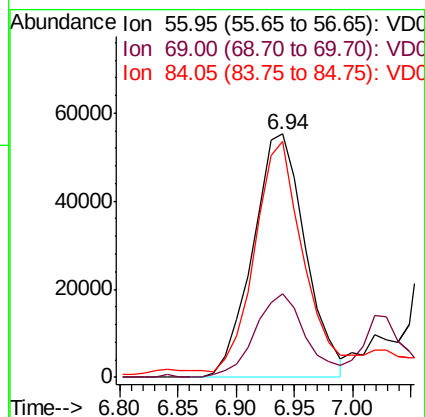
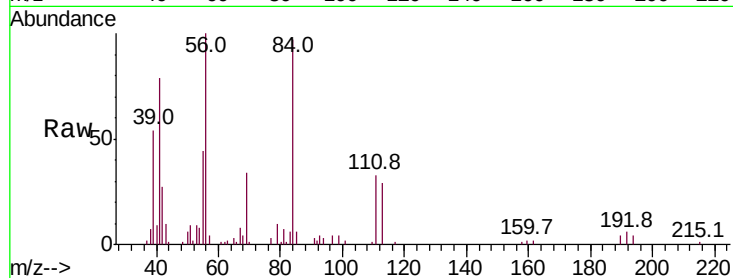




#31
Cyclohexane
Concen: 23.230 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

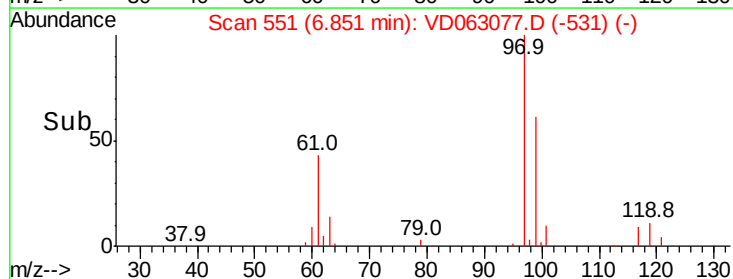
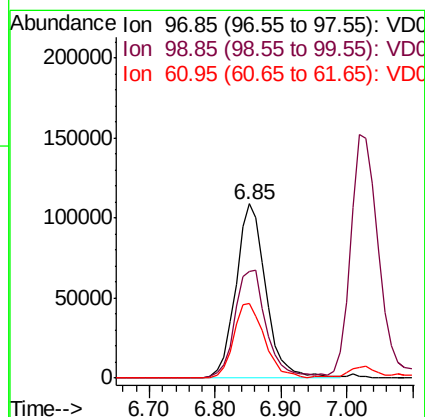
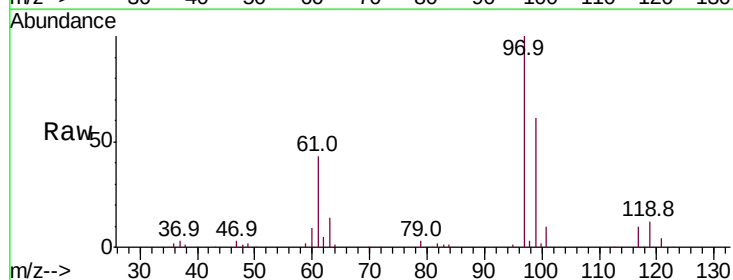
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

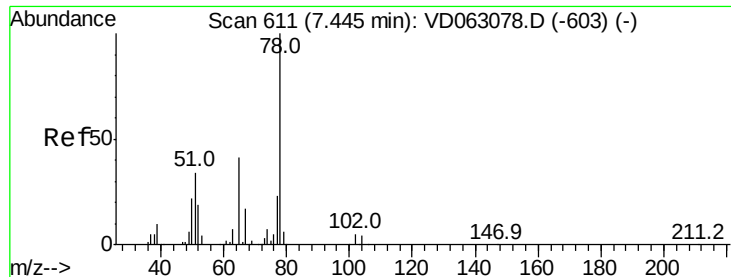
Tot Ion: 56 Resp: 172571
Ion Ratio Lower Upper
56 100
69 34.2 25.3 37.9
84 97.1 64.2 96.4#



#32
1,1,1-Trichloroethane
Concen: 24.249 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion: 97 Resp: 348124
Ion Ratio Lower Upper
97 100
99 61.1 52.9 79.3
61 43.2 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 25.316 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

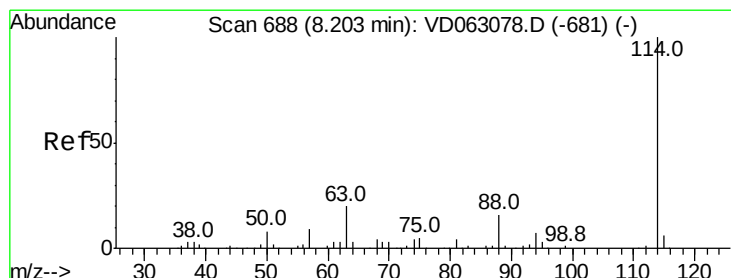
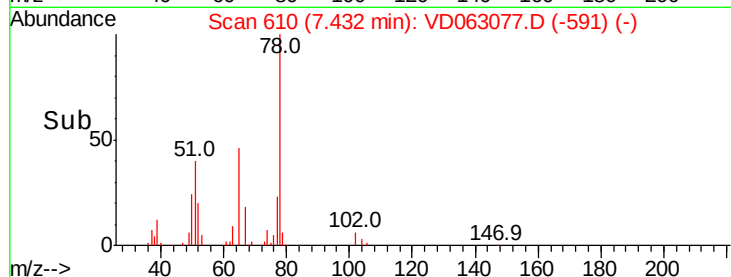
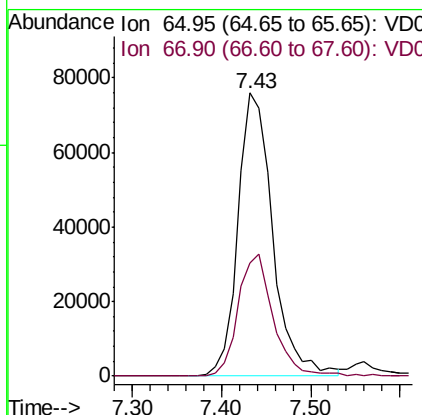
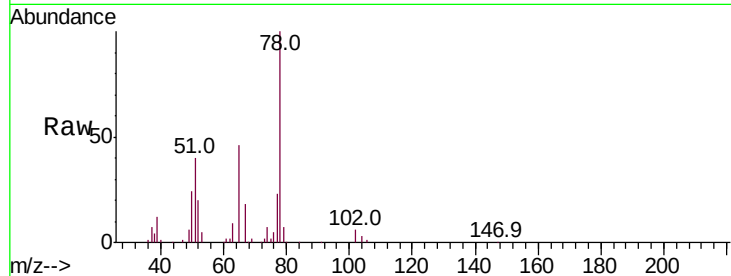
Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 65 Resp: 205741

Ion	Ratio	Lower	Upper
65	100		
67	39.8	0.0	86.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

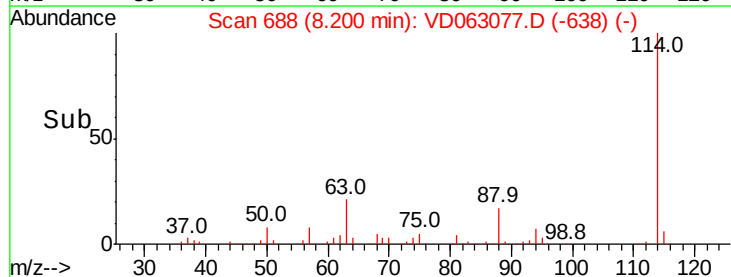
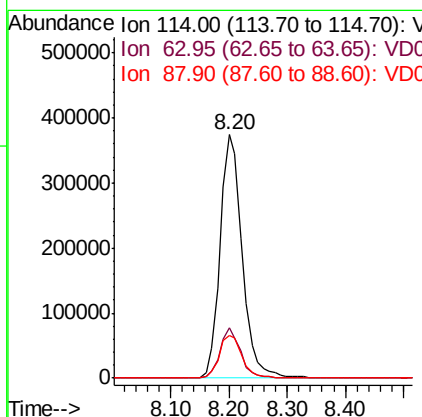
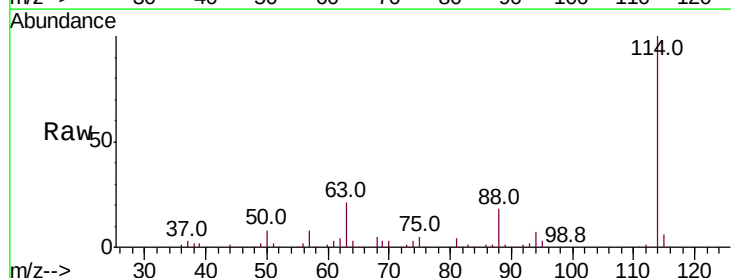
Delta R.T. -0.00 min

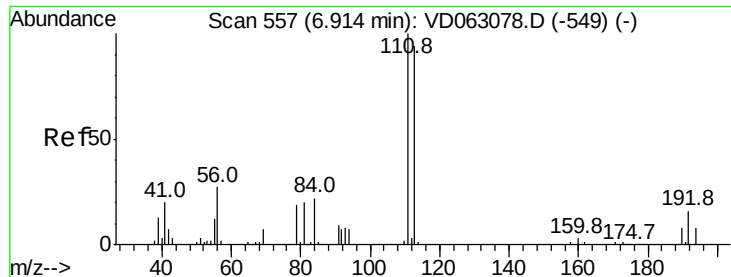
Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Tgt Ion: 114 Resp: 983052

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.6
88	17.5	0.0	32.6

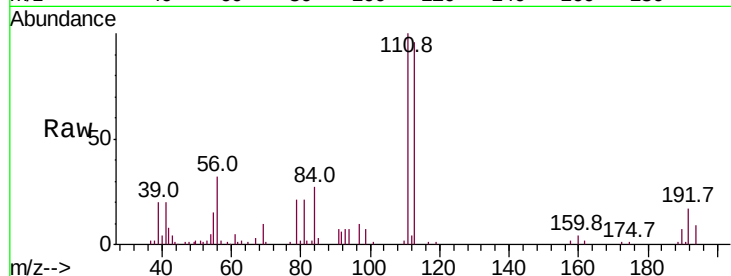




#35
Dibromofluoromethane
Concen: 24.503 ug/l
RT: 6.91 min Scan# 557
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	84.8	127.2
192	17.5	13.4	20.0

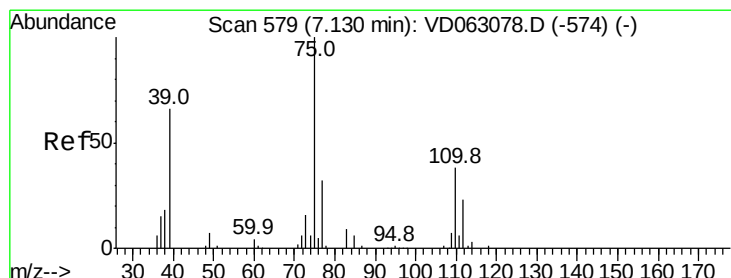
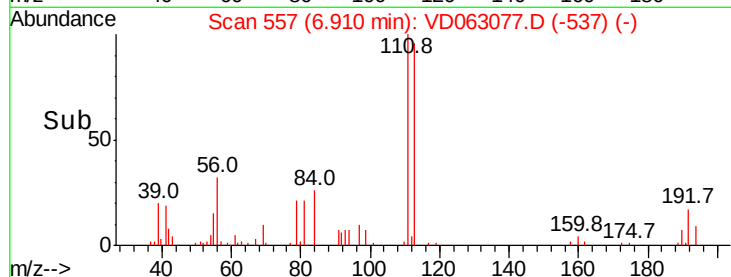
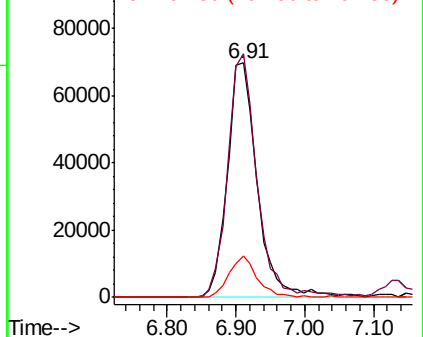


Abundance

Ion 112.90 (112.60 to 113.60): V

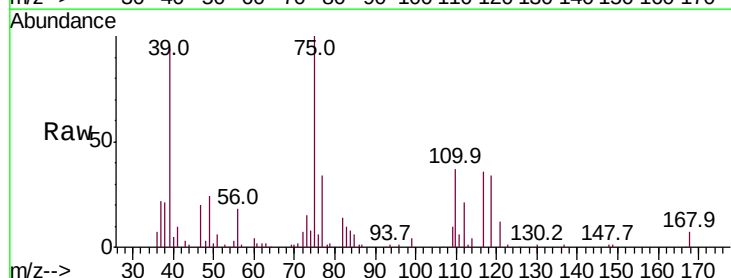
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36
1,1-Dichloropropene
Concen: 24.021 ug/l
RT: 7.13 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.9	56.5
77	33.9	25.2	37.8

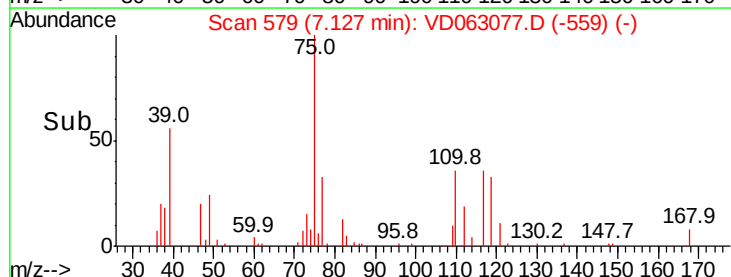
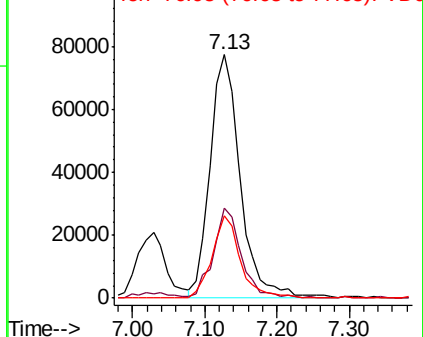


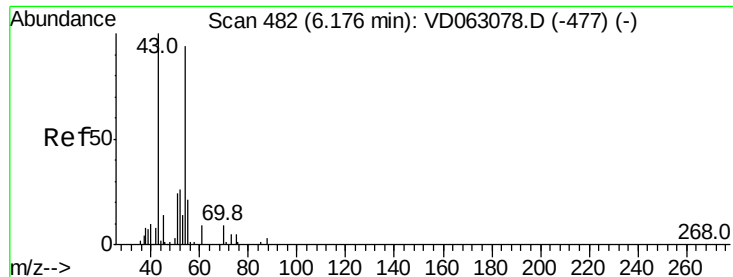
Abundance

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

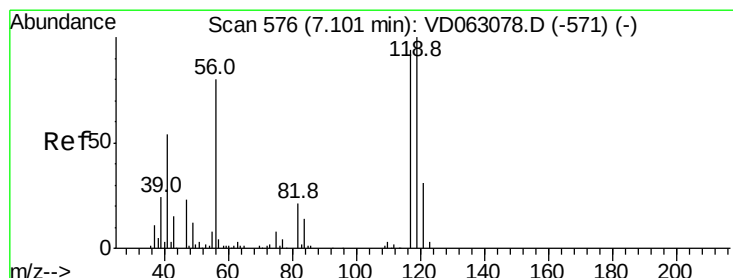
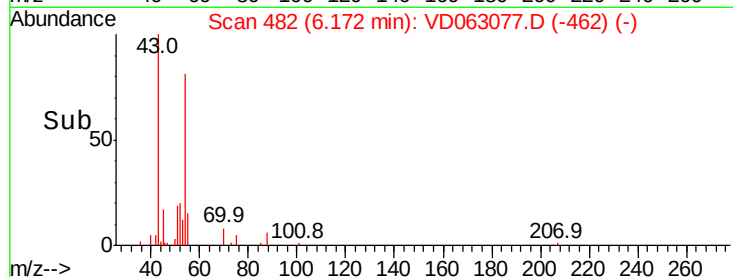
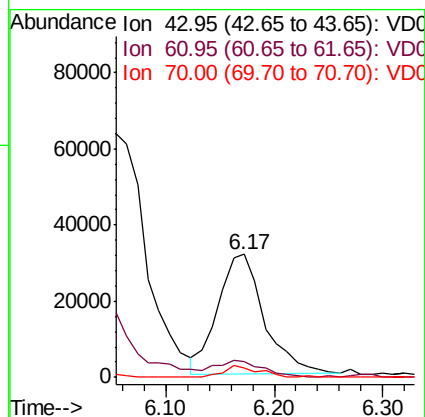
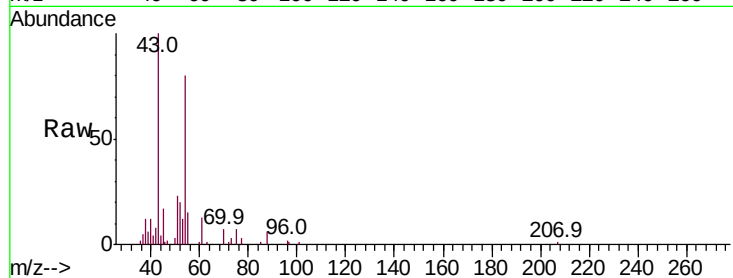




#37
Ethyl Acetate
Concen: 21.467 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

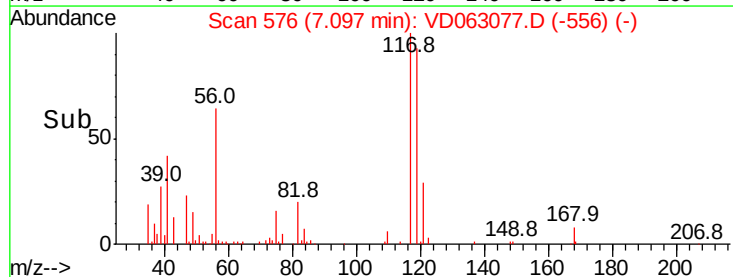
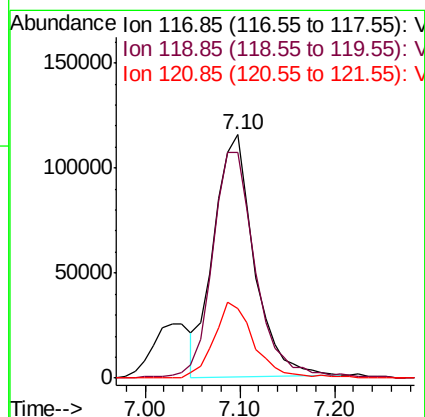
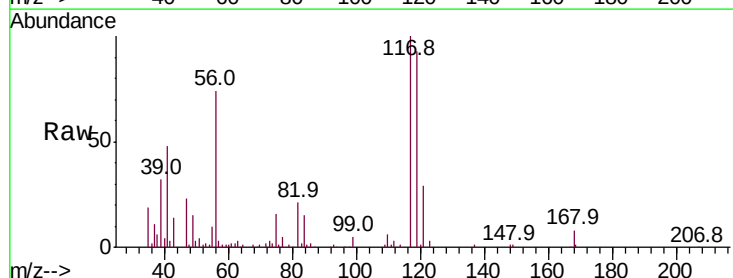
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

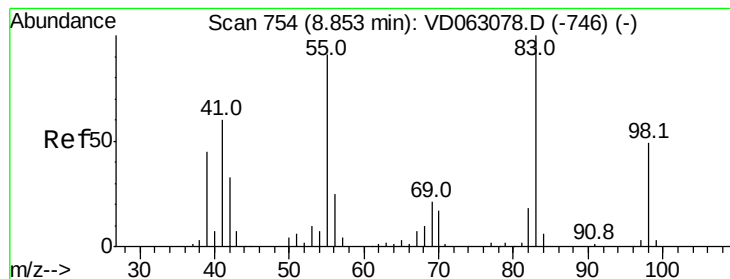
Tot Ion: 43 Resp: 93786
Ion Ratio Lower Upper
43 100
61 13.1 10.6 16.0
70 7.4 6.6 9.8



#38
Carbon Tetrachloride
Concen: 24.089 ug/l
RT: 7.10 min Scan# 576
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion: 117 Resp: 339548
Ion Ratio Lower Upper
117 100
119 92.7 80.0 120.0
121 28.6 25.0 37.4





#39

Methylvlcyclohexane

Concen: 23.752 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

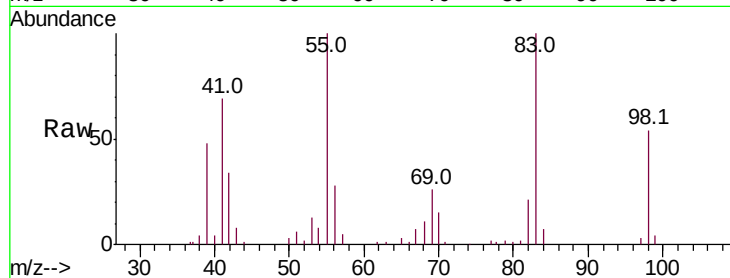
Tot Ion: 83 Resp: 192944

Ion Ratio Lower Upper

83 100

55 100.1 73.0 109.4

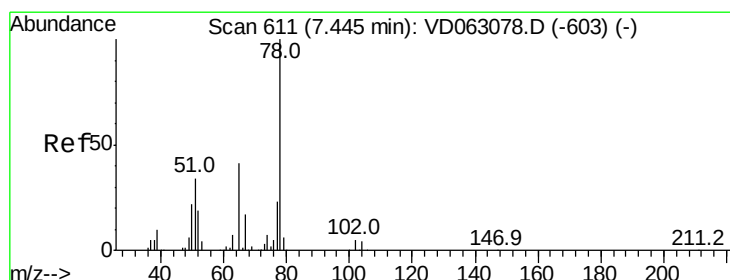
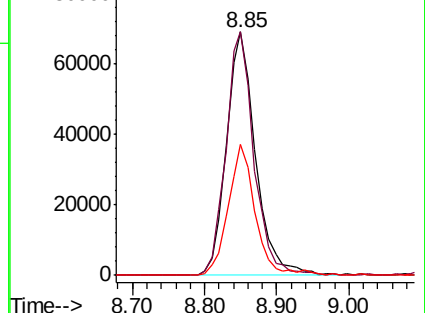
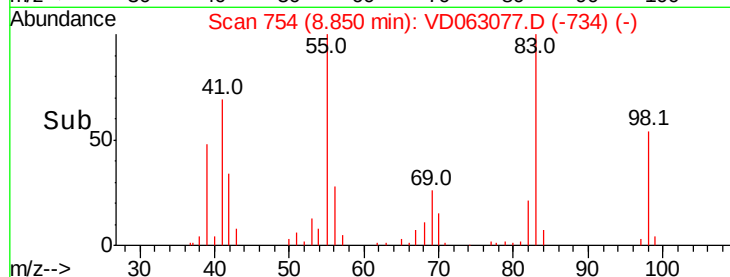
98 53.6 39.4 59.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 24.892 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.00 min

Lab File: VD063077.D

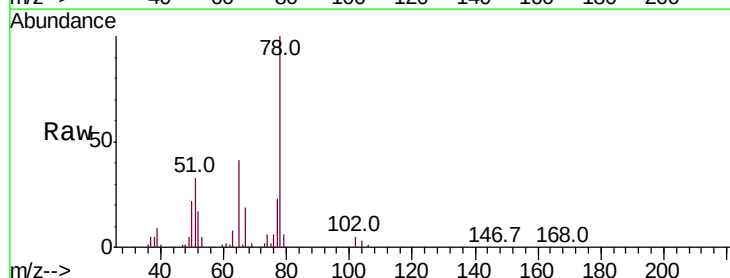
Acq: 15 Jul 2019 11:39

Tgt Ion: 78 Resp: 473529

Ion Ratio Lower Upper

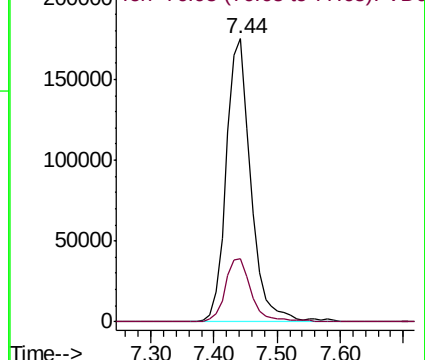
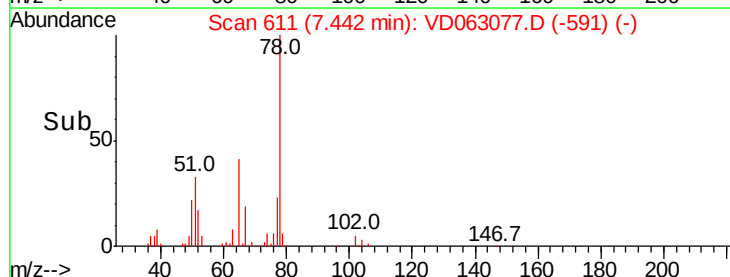
78 100

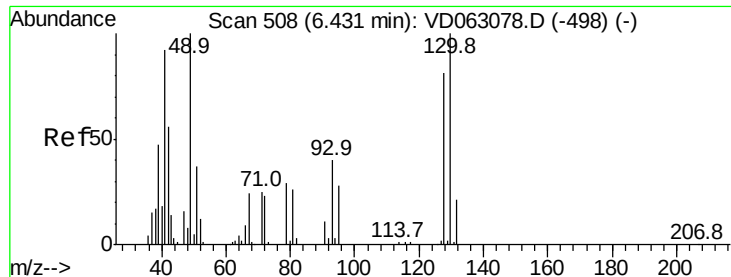
77 22.5 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 25.106 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 126857

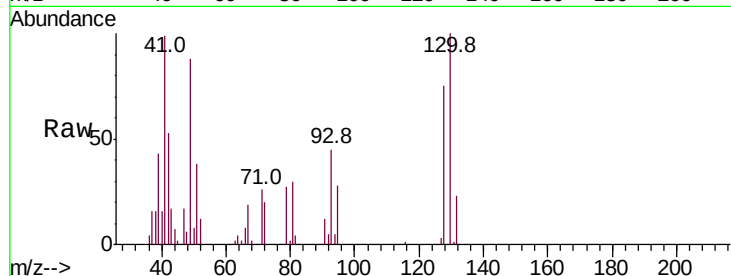
Ion Ratio Lower Upper

41 100

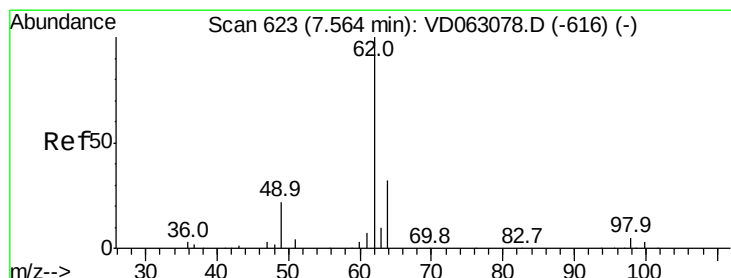
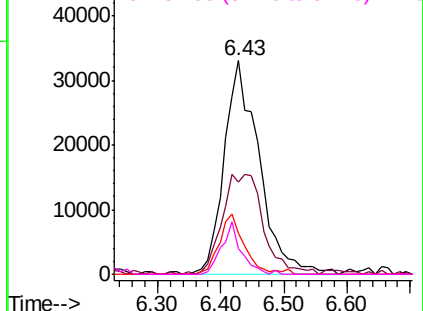
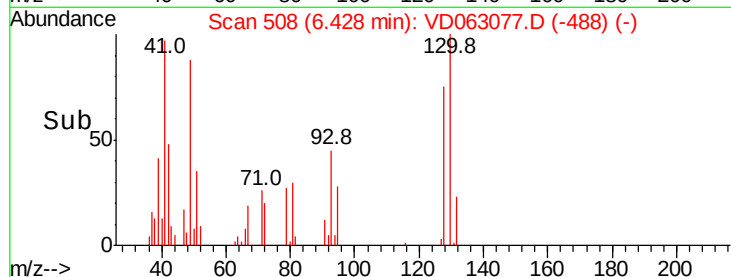
39 43.2 41.0 61.6

67 19.3 21.3 31.9#

52 12.1 10.5 15.7



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



#42

1,2-Dichloroethane

Concen: 25.009 ug/l

RT: 7.56 min Scan# 623

Delta R.T. -0.00 min

Lab File: VD063077.D

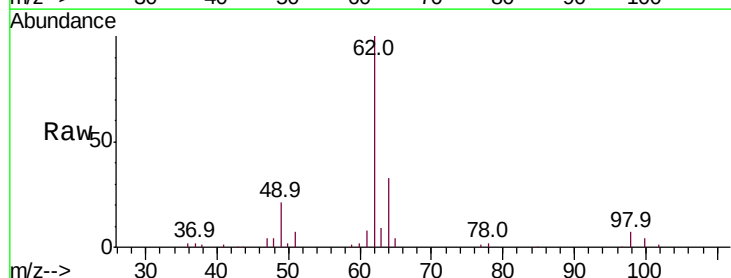
Acq: 15 Jul 2019 11:39

Tgt Ion: 62 Resp: 256432

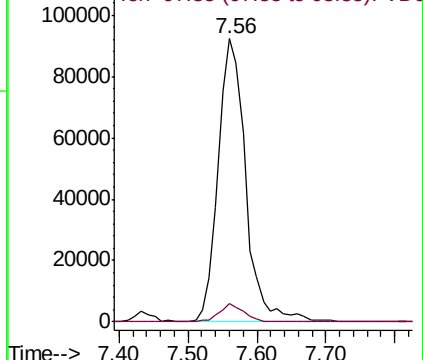
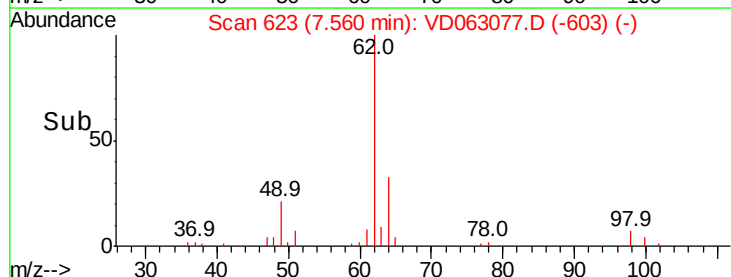
Ion Ratio Lower Upper

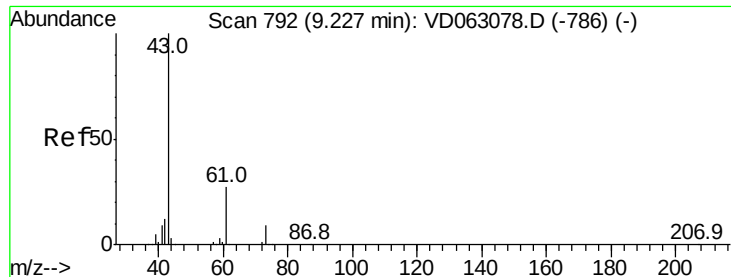
62 100

98 6.6 0.0 9.6



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

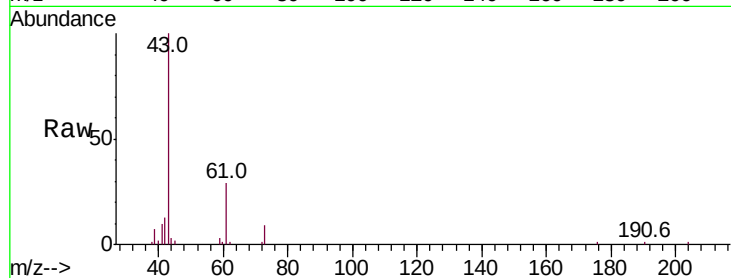




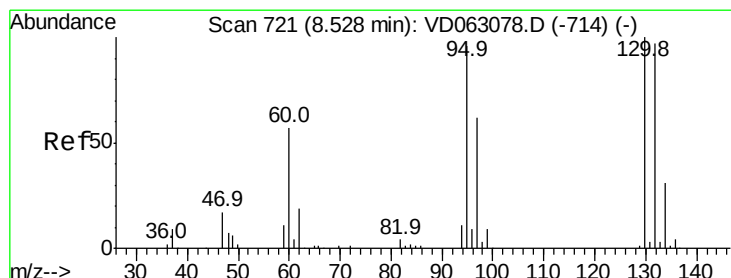
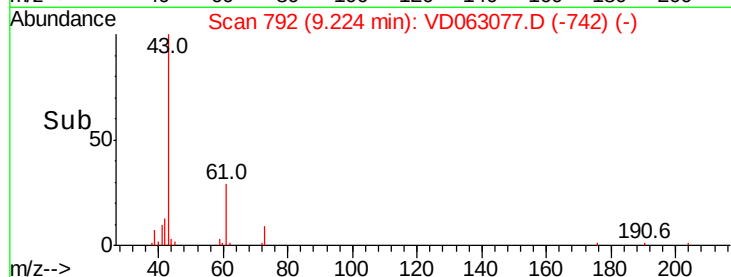
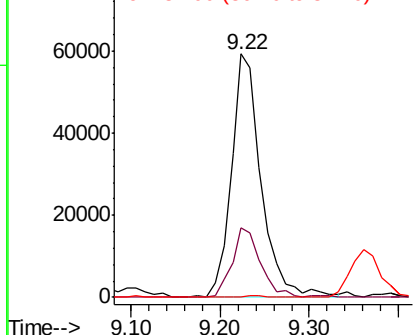
#43
Isopropyl Acetate
Concen: 27.060 ug/l
RT: 9.22 min Scan# 792
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 137729
Ion Ratio Lower Upper
43 100
61 28.6 21.7 32.5
87 0.0 0.2 0.4#

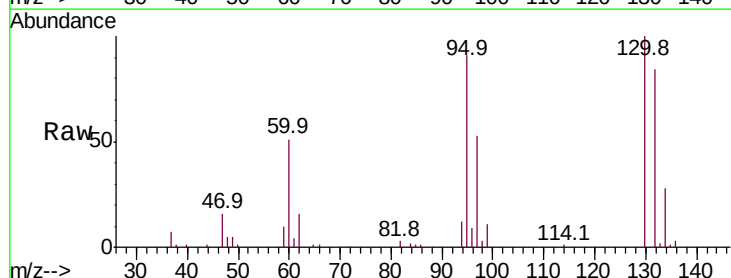


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

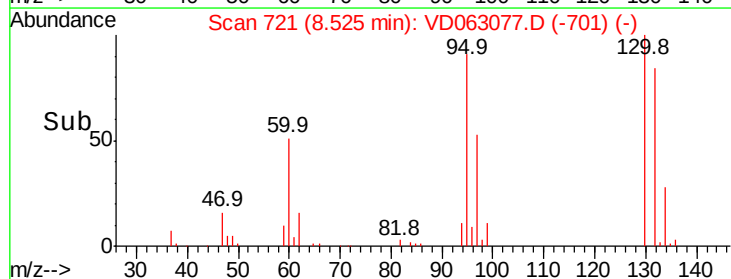
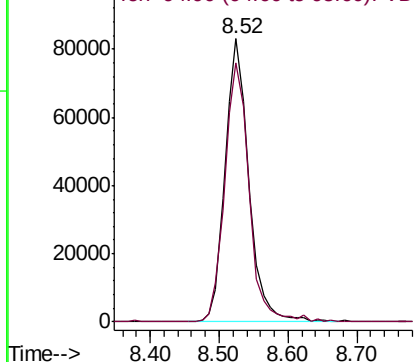


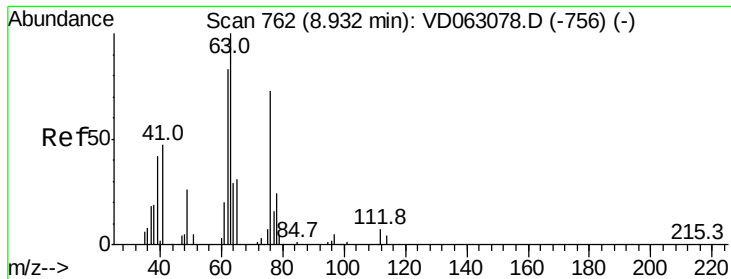
#44
Trichloroethene
Concen: 26.905 ug/l
RT: 8.52 min Scan# 721
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion:130 Resp: 197779
Ion Ratio Lower Upper
130 100
95 91.4 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: 24.531 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

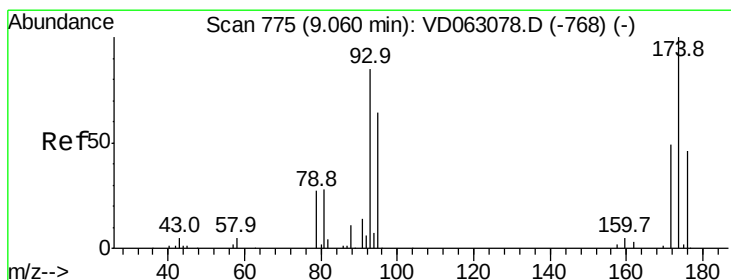
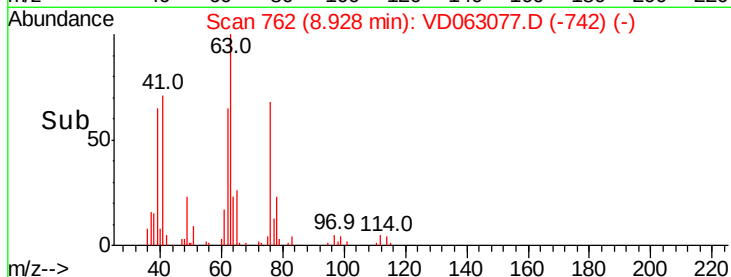
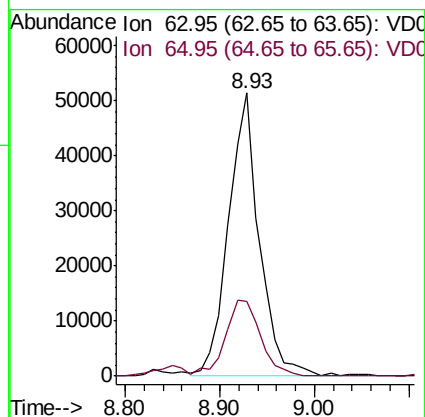
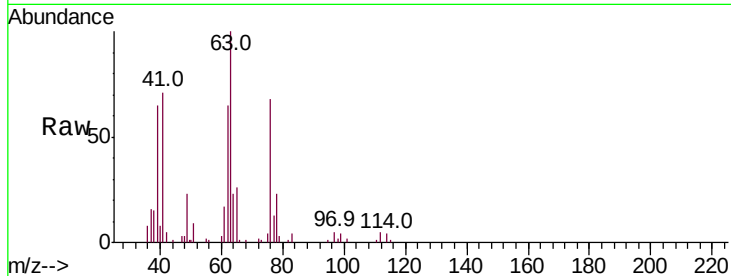
VSTDIC020

Tot Ion: 63 Resp: 115781

Ion Ratio Lower Upper

63 100

65 26.5 26.3 39.5



#46

Dibromomethane

Concen: 25.053 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.01 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

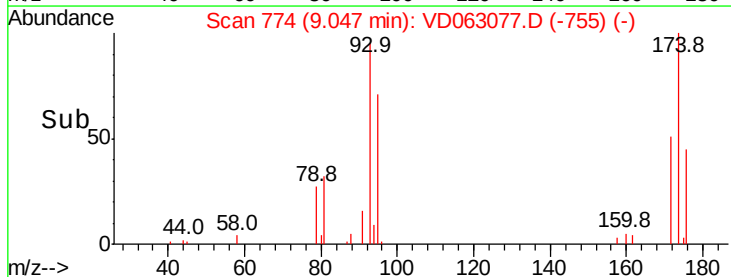
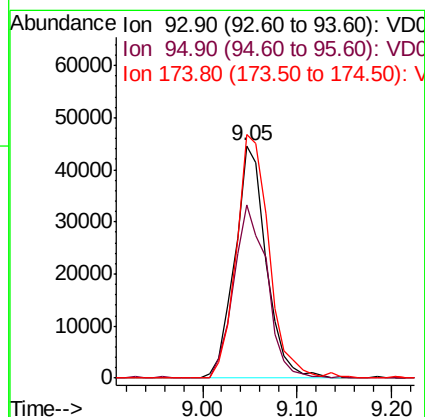
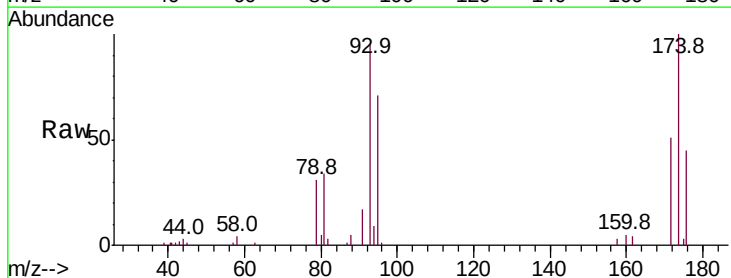
Tgt Ion: 93 Resp: 102337

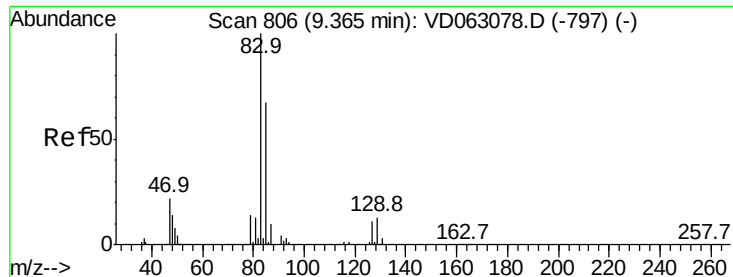
Ion Ratio Lower Upper

93 100

95 74.5 59.7 89.5

174 104.9 93.9 140.9





#47

Bromodichloromethane

Concen: 25.371 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

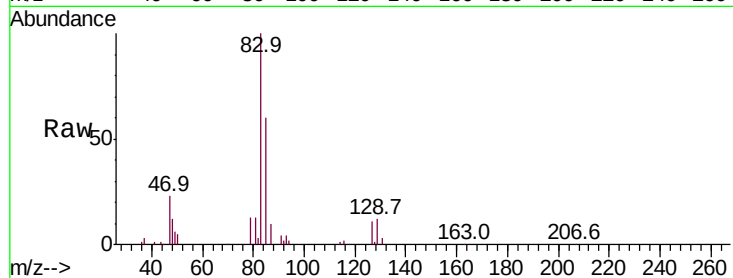
Tot Ion: 83 Resp: 265931

Ion Ratio Lower Upper

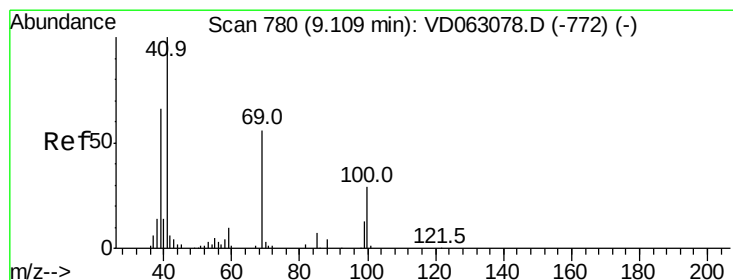
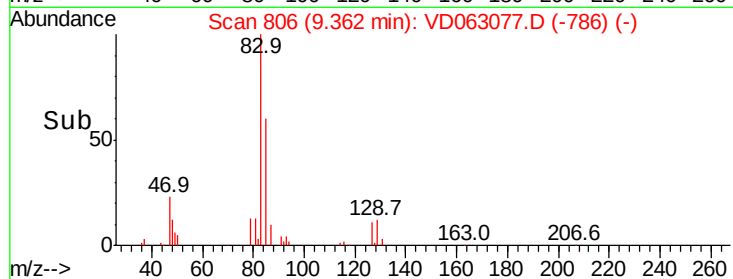
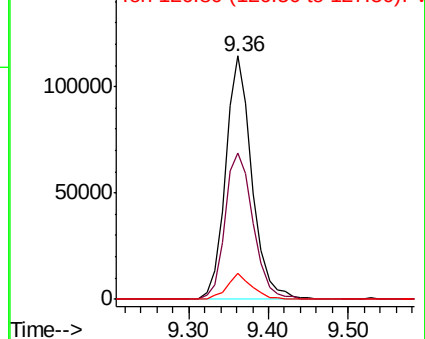
83 100

85 60.1 53.7 80.5

127 10.7 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: 23.820 ug/l

RT: 9.11 min Scan# 780

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

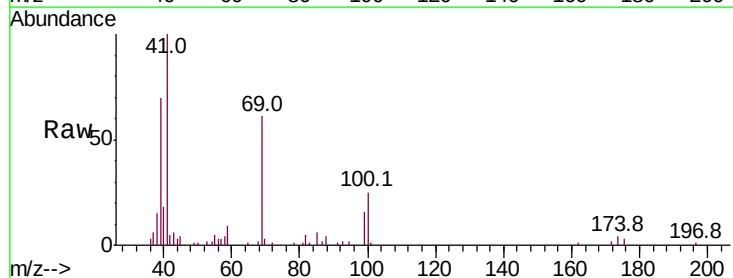
Tgt Ion: 41 Resp: 85537

Ion Ratio Lower Upper

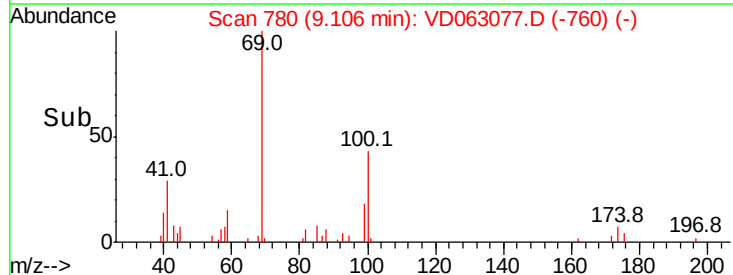
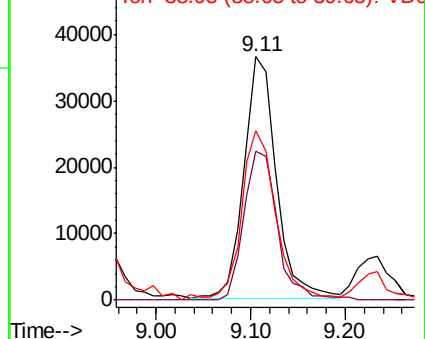
41 100

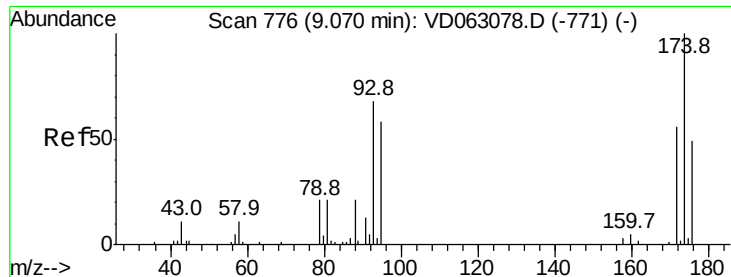
69 61.0 44.3 66.5

39 69.7 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

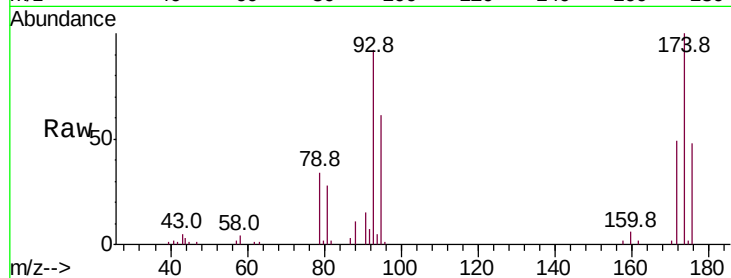




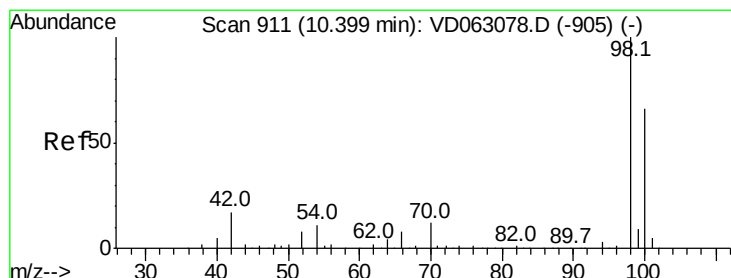
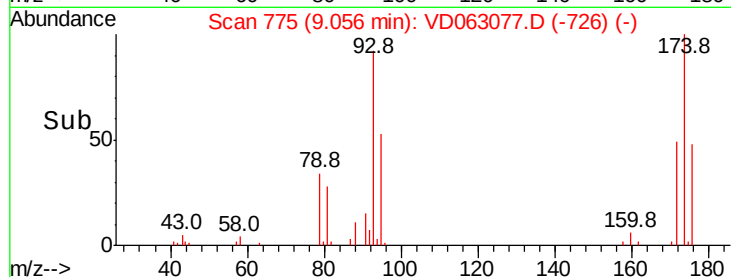
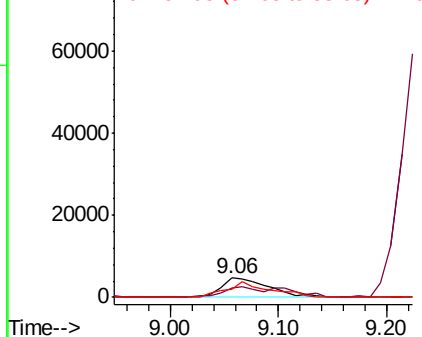
#49
1,4-Dioxane
Concen: 471.657 ug/l
RT: 9.06 min Scan# 775
Delta R.T. -0.01 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 88 Resp: 14373
Ion Ratio Lower Upper
88 100
43 50.9 40.2 60.4
58 42.4 41.6 62.4

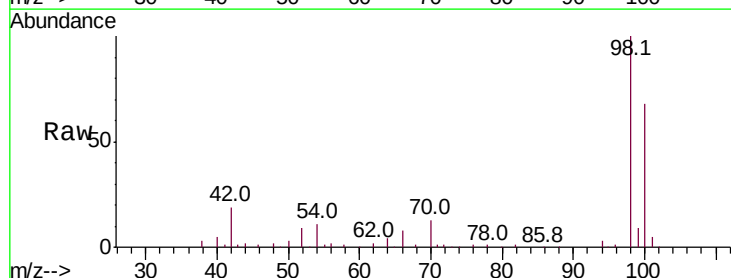


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

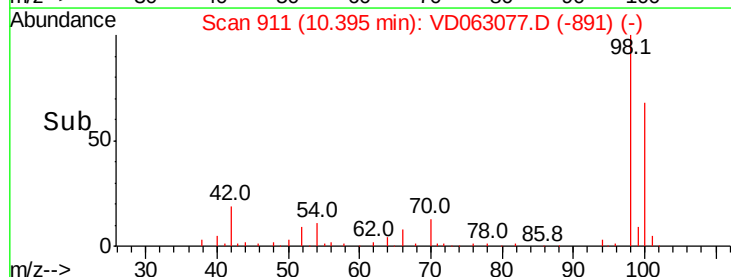
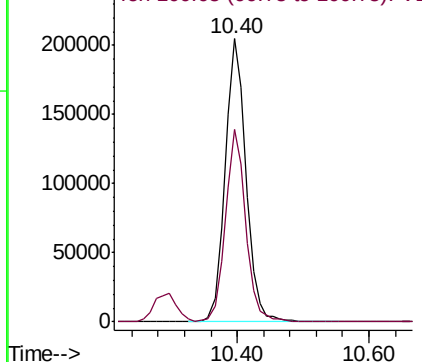


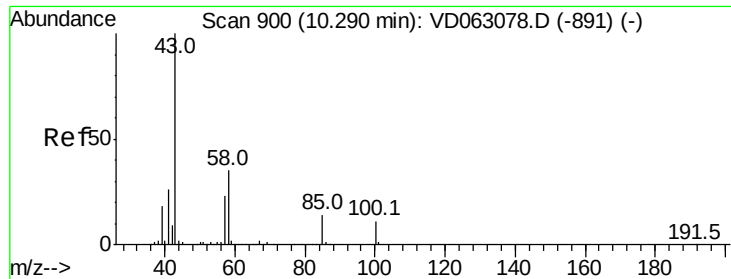
#50
Toluene-d8
Concen: 24.902 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion: 98 Resp: 454478
Ion Ratio Lower Upper
98 100
100 67.8 53.5 80.3



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

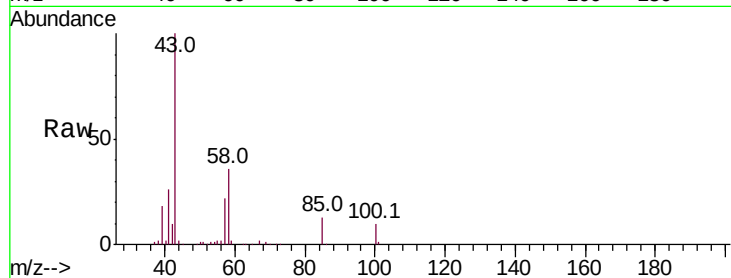




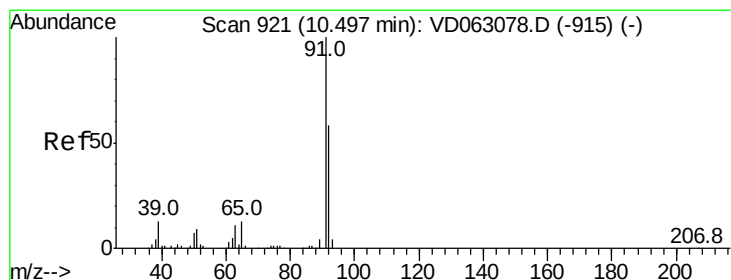
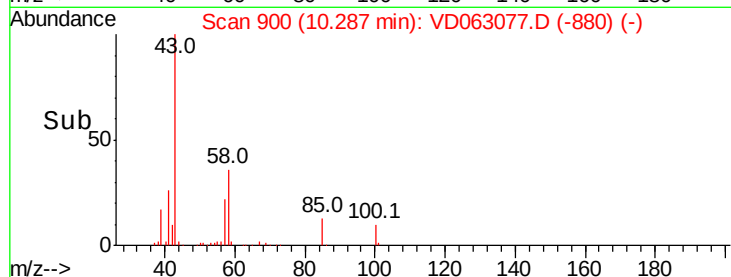
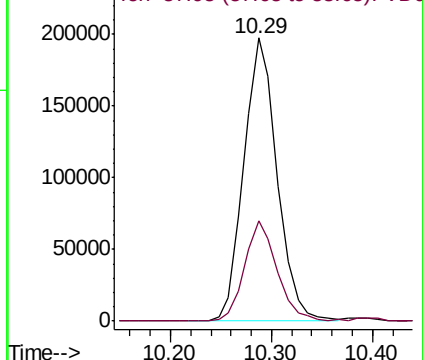
#51
4-Methyl-2-Pentanone
Concen: 125.758 ug/l
RT: 10.29 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 454845
Ion Ratio Lower Upper
43 100
58 35.7 27.8 41.6

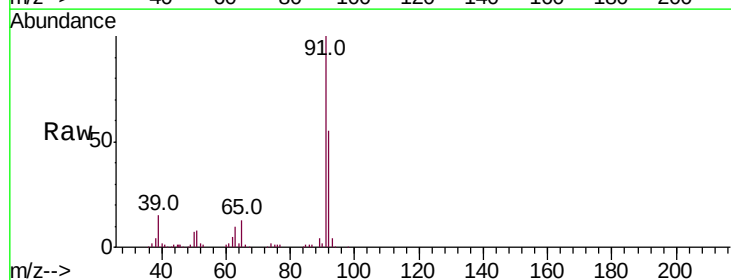


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

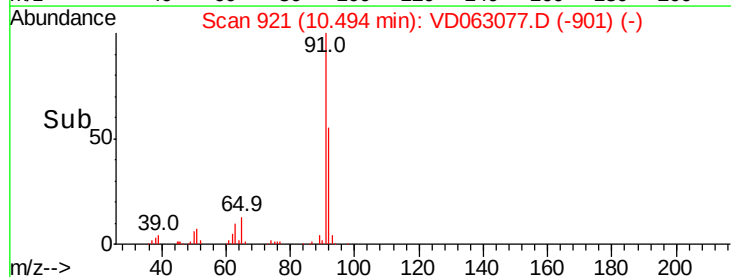
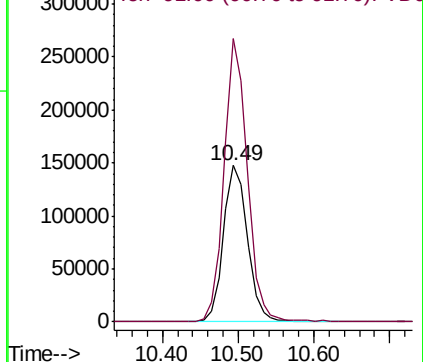


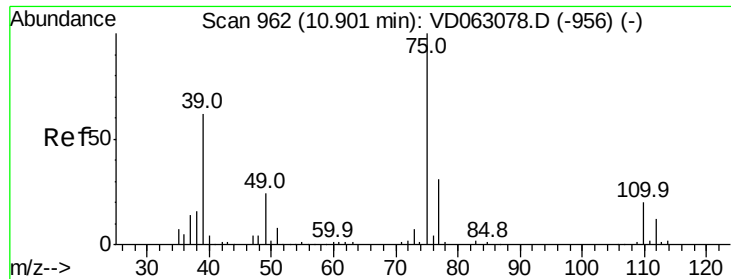
#52
Toluene
Concen: 25.661 ug/l
RT: 10.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion: 92 Resp: 325270
Ion Ratio Lower Upper
92 100
91 181.3 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

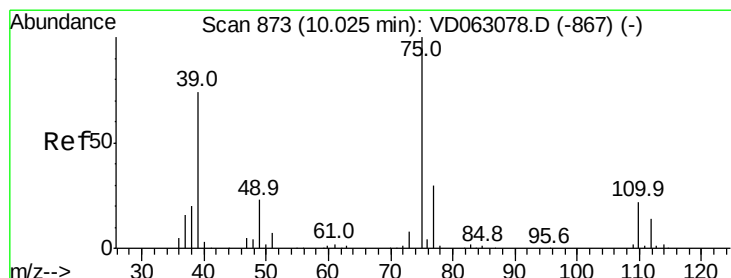
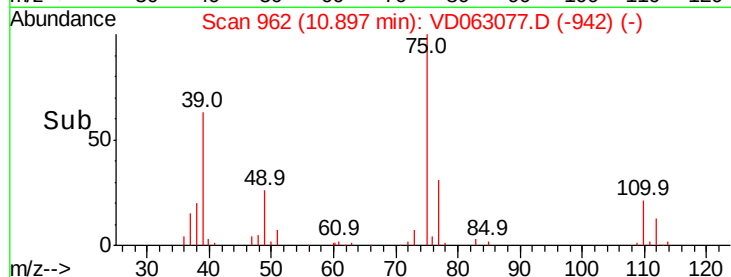
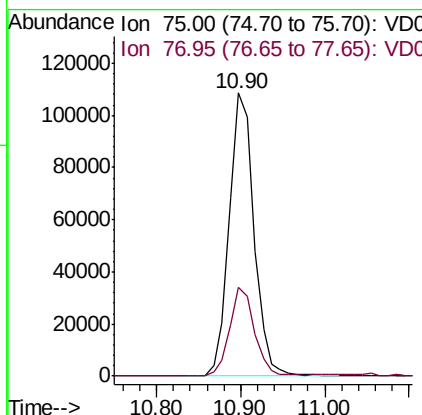
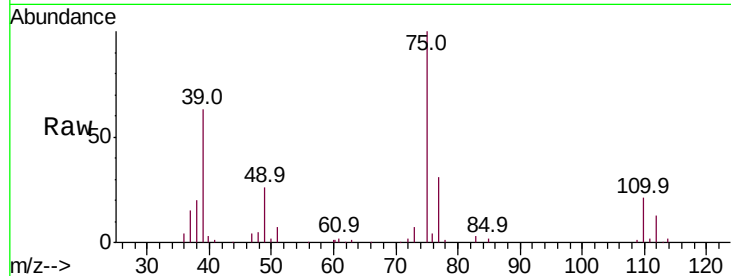




#53
 t-1,3-Dichloropropene
 Concen: 25.523 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

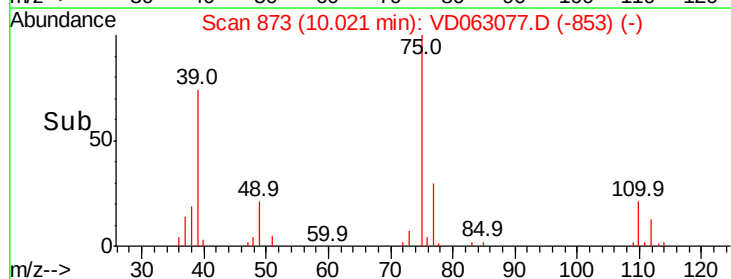
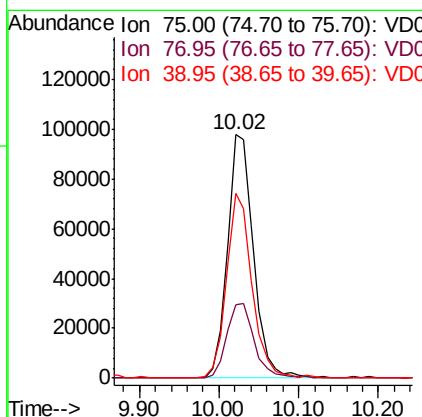
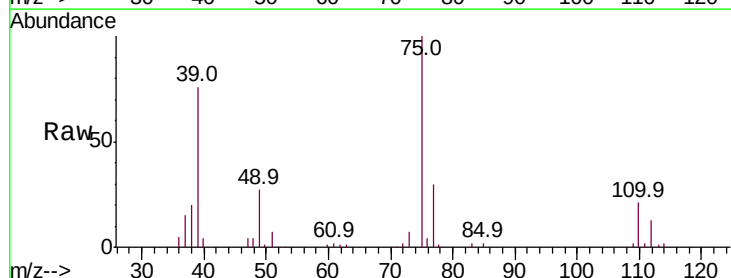
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

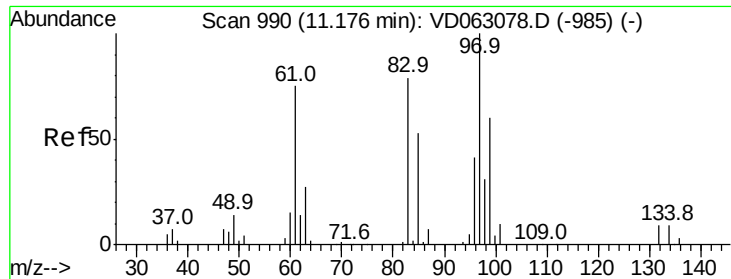
Tot Ion: 75 Resp: 223635
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 23.671 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Tgt Ion: 75 Resp: 223671
 Ion Ratio Lower Upper
 75 100
 77 30.2 23.9 35.9
 39 75.7 59.4 89.0

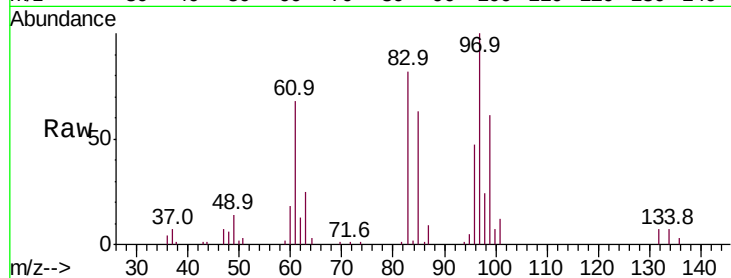




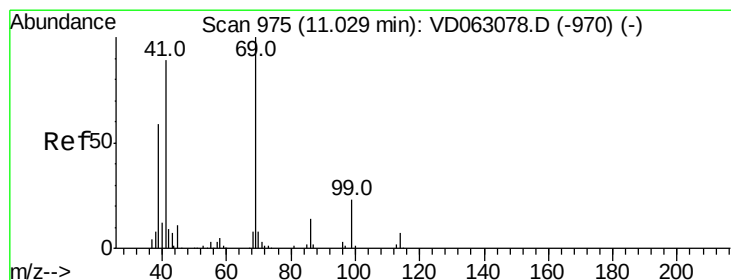
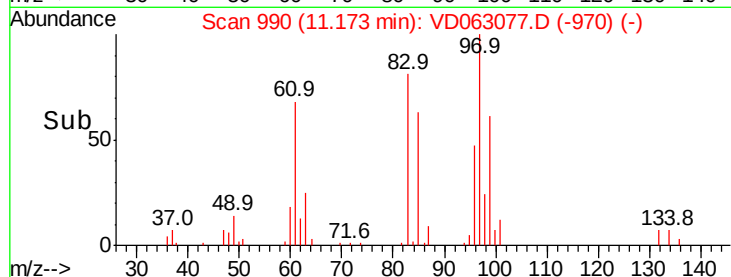
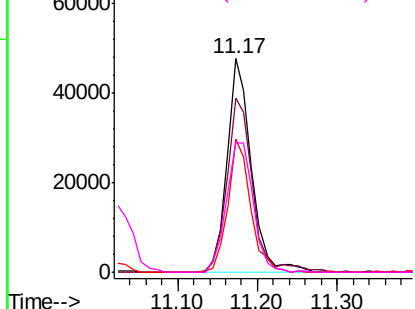
#55
 1,1,2-Trichloroethane
 Concen: 22.945 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 97 Resp: 101786
 Ion Ratio Lower Upper
 97 100
 83 81.5 63.2 94.8
 85 62.5 42.0 63.0
 99 60.5 48.3 72.5

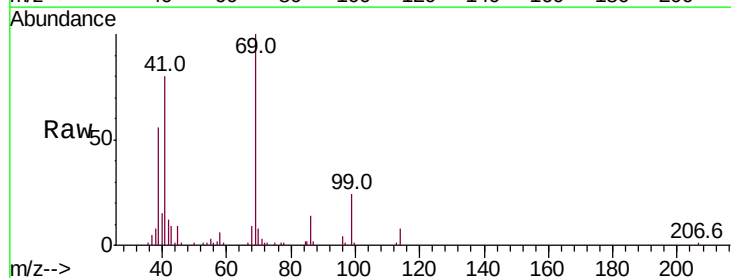


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

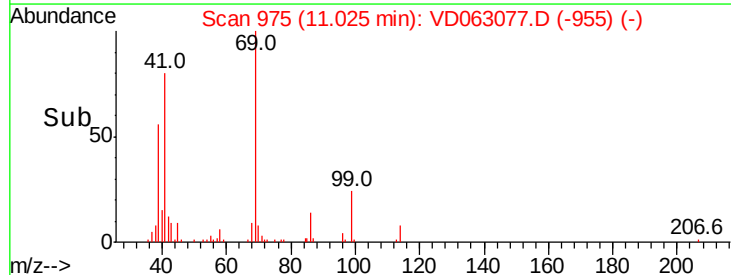
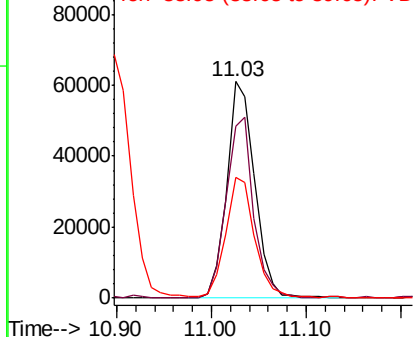


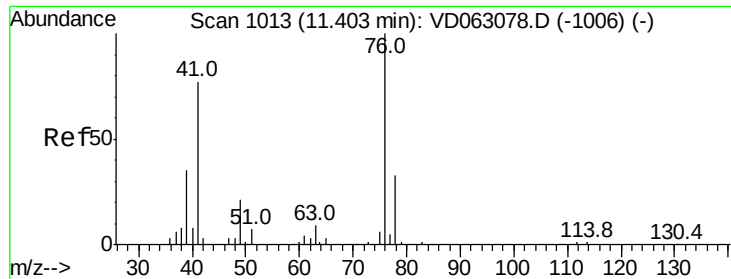
#56
 Ethyl methacrylate
 Concen: 26.133 ug/l
 RT: 11.03 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Tgt Ion: 69 Resp: 124134
 Ion Ratio Lower Upper
 69 100
 41 79.8 71.0 106.4
 39 56.1 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

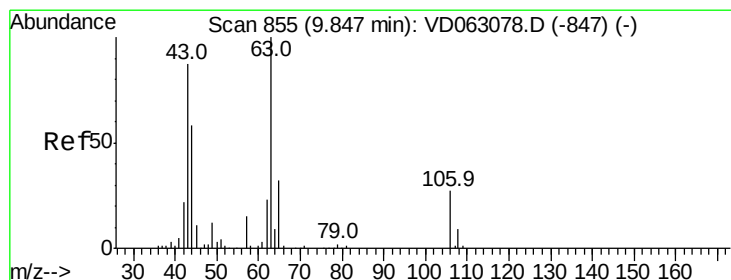
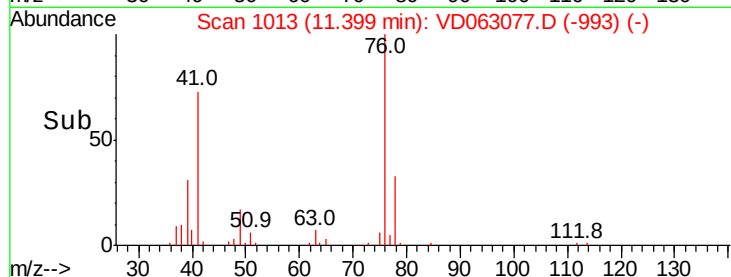
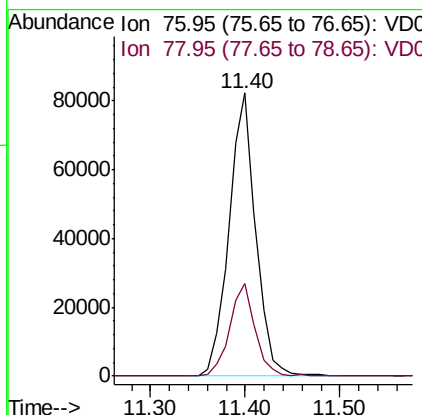
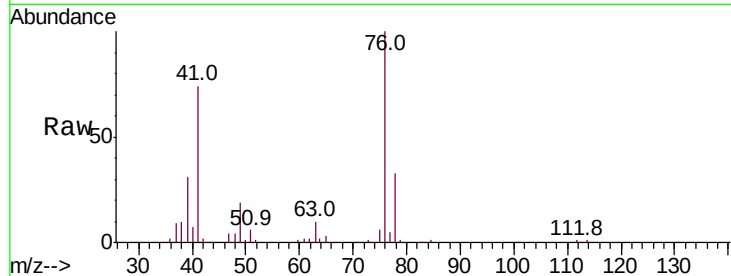




#57
 1,3-Dichloropropane
 Concen: 24.037 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

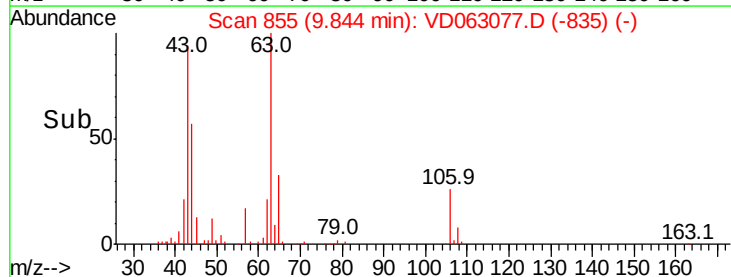
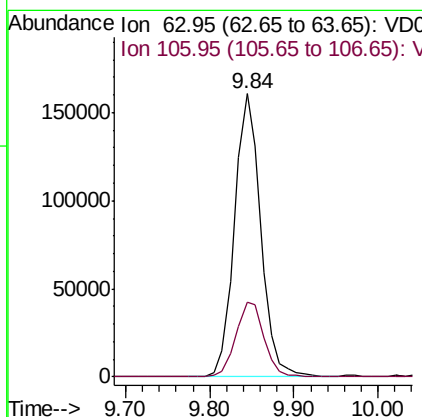
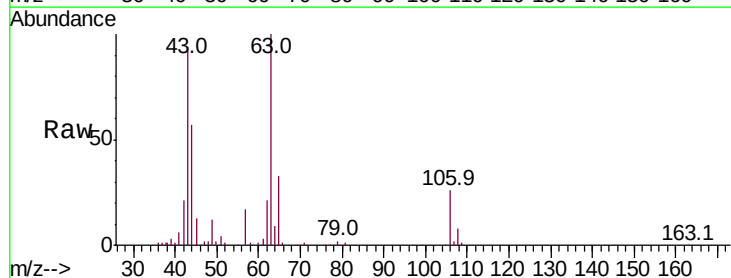
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

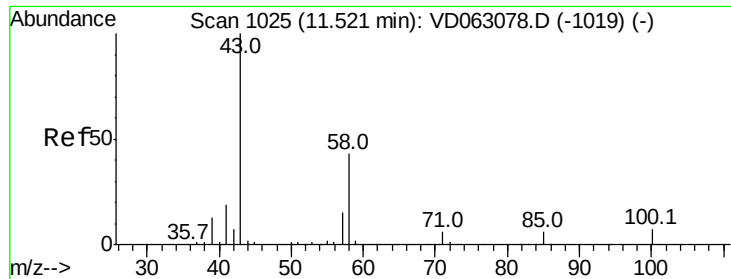
Tot Ion: 76 Resp: 160530
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 137.302 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Tgt Ion: 63 Resp: 348448
 Ion Ratio Lower Upper
 63 100
 106 26.2 21.3 31.9

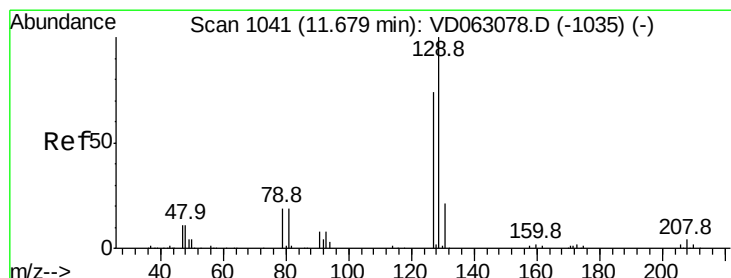
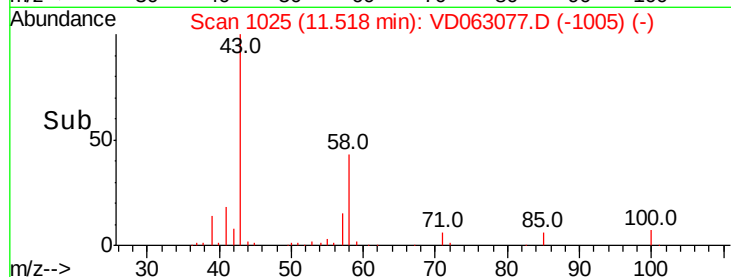
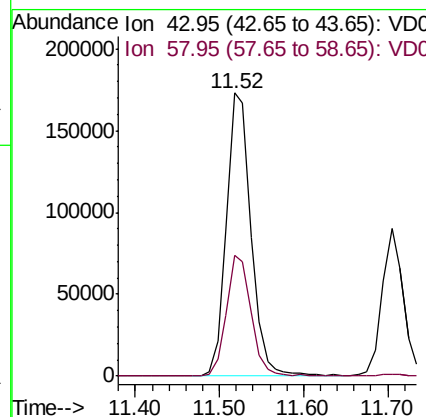
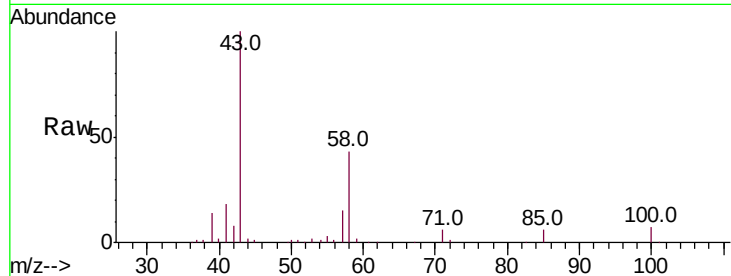




#59
2-Hexanone
Concen: 134.401 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

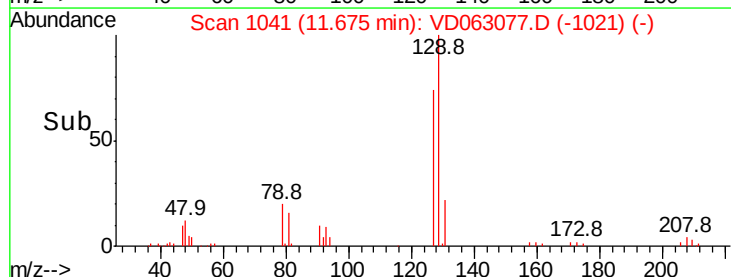
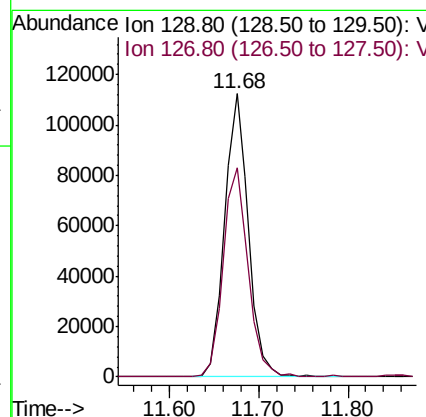
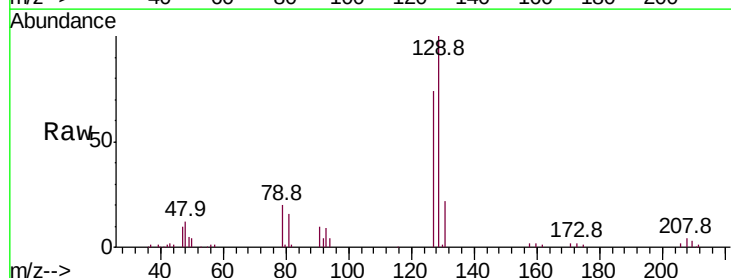
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

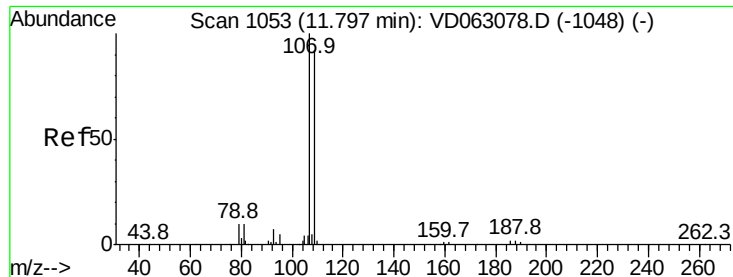
Tot Ion: 43 Resp: 351236
Ion Ratio Lower Upper
43 100
58 42.7 21.7 65.1



#60
Dibromochloromethane
Concen: 25.387 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion:129 Resp: 210097
Ion Ratio Lower Upper
129 100
127 74.1 37.0 110.9

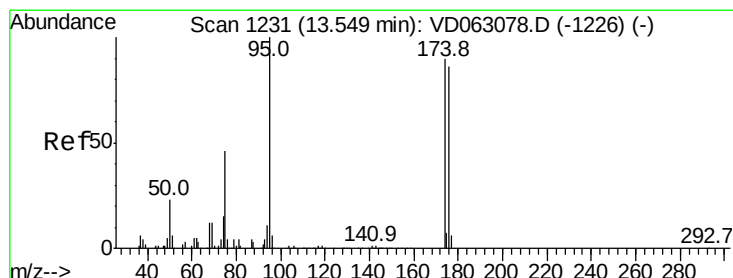
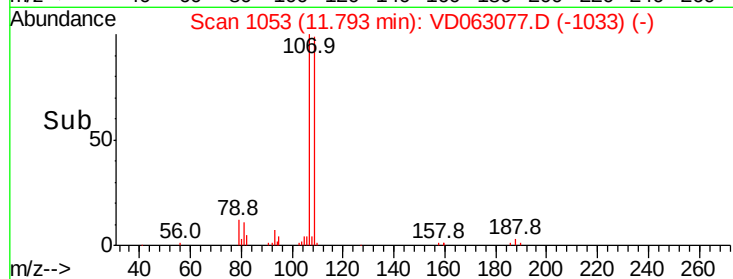
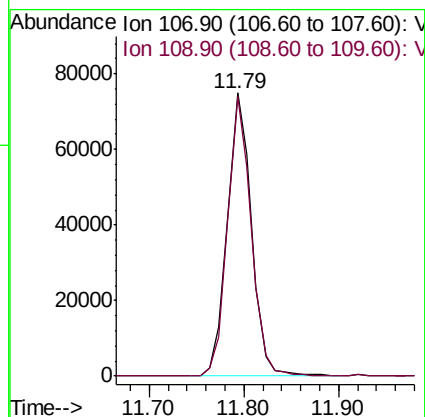
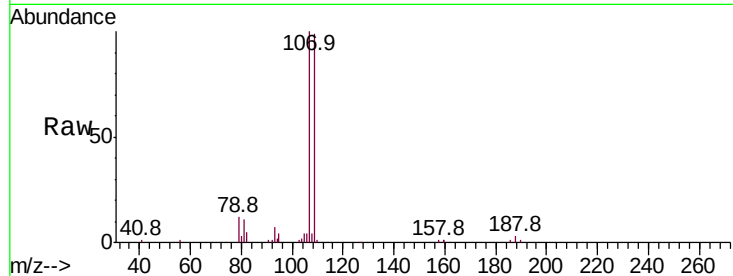




#61
 1,2-Dibromoethane
 Concen: 25.471 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

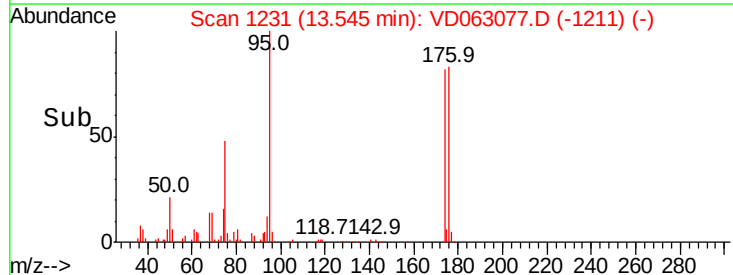
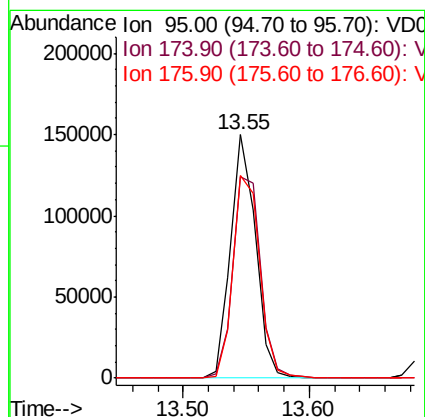
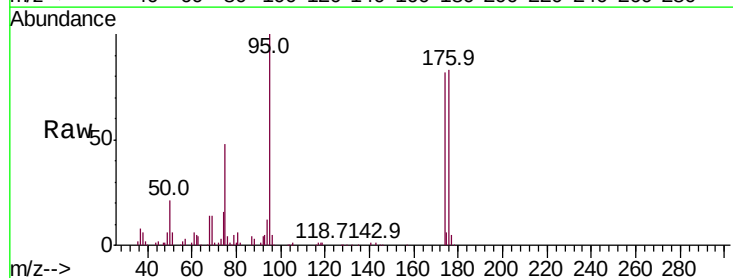
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

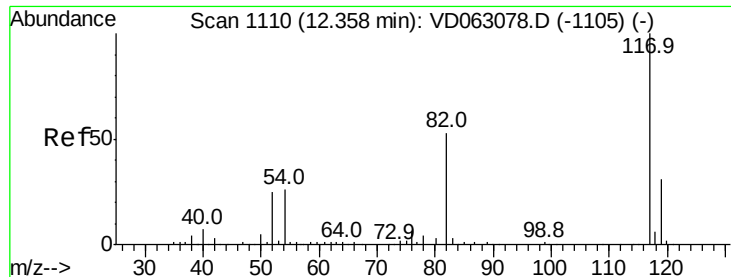
Tot Ion:107 Resp: 132314
 Ion Ratio Lower Upper
 107 100
 109 98.7 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 24.362 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Tgt Ion: 95 Resp: 203867
 Ion Ratio Lower Upper
 95 100
 174 82.5 0.0 180.6
 176 83.5 0.0 172.2

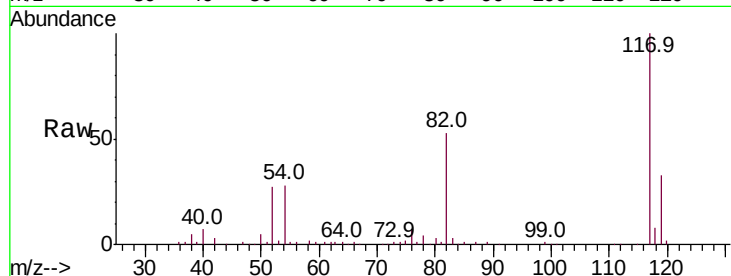




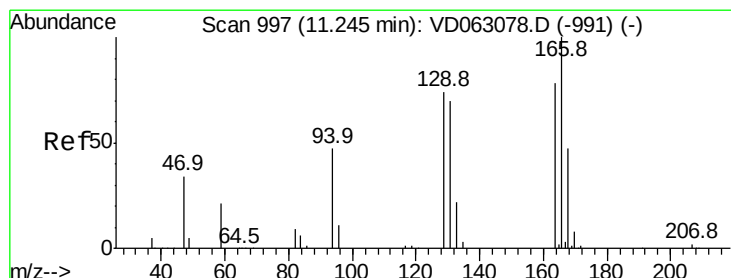
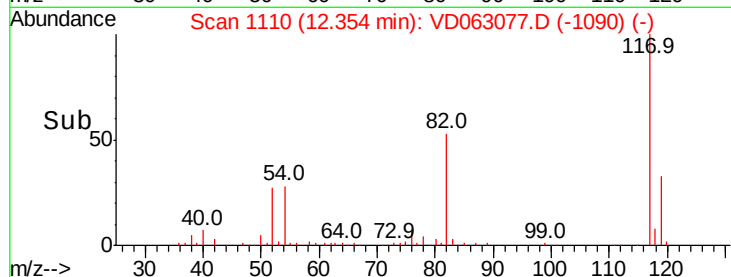
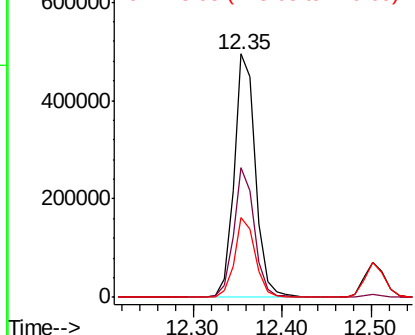
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 830532
Ion Ratio Lower Upper
117 100
82 53.4 42.3 63.5
119 32.7 25.2 37.8

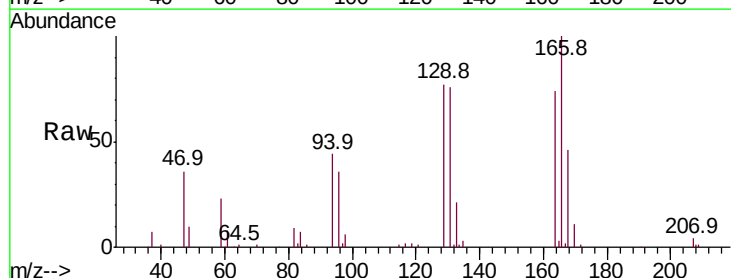


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

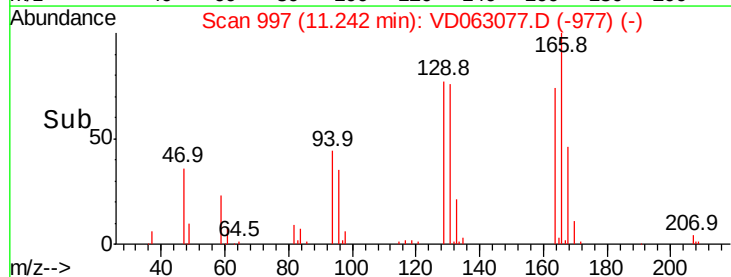
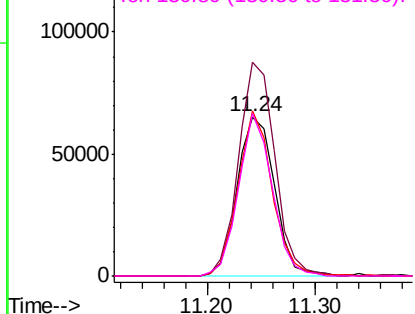


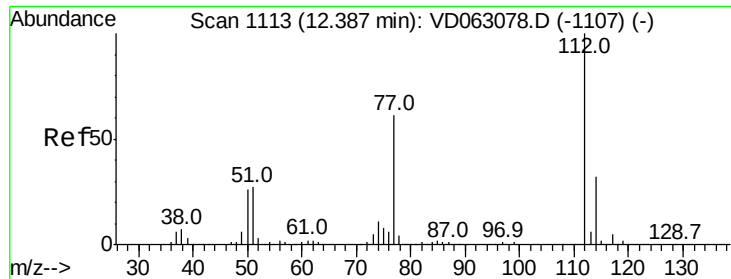
#64
Tetrachloroethene
Concen: 22.926 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion:164 Resp: 157764
Ion Ratio Lower Upper
164 100
166 134.3 102.8 154.2
129 104.1 76.4 114.6
131 102.0 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

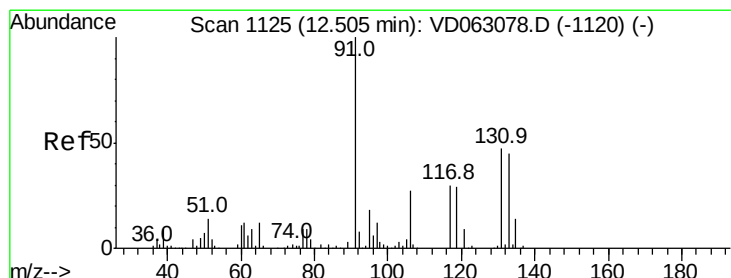
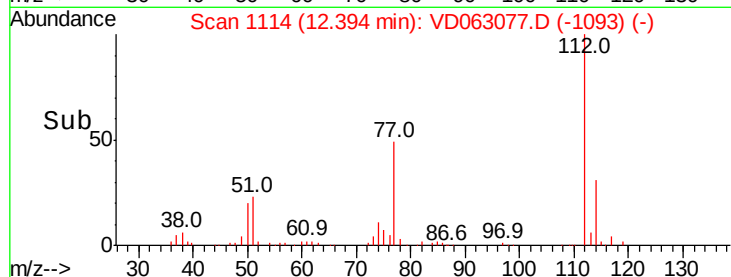
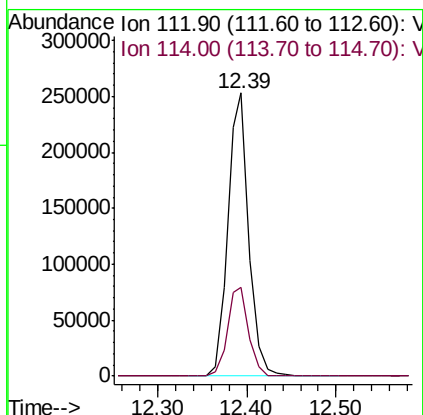
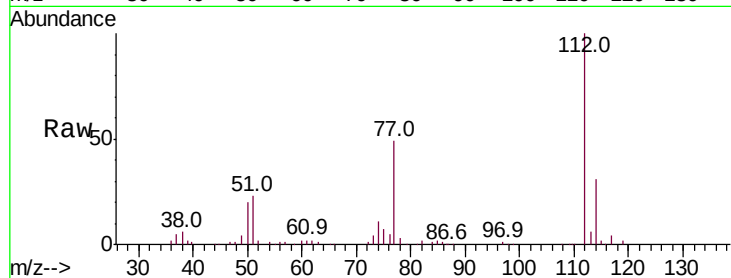




#65
Chlorobenzene
Concen: 26.457 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

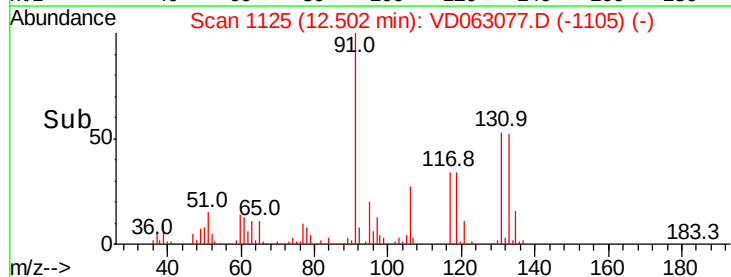
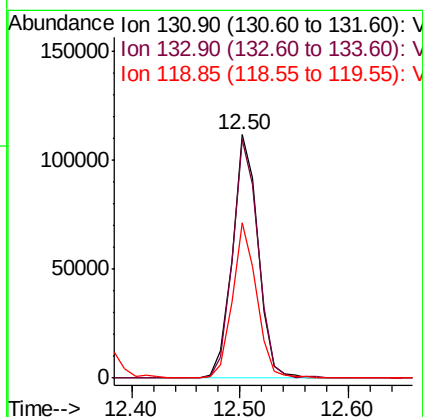
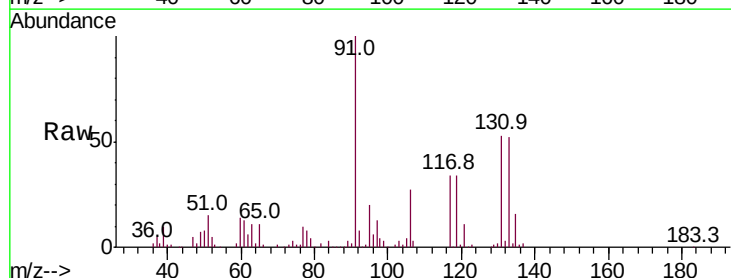
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

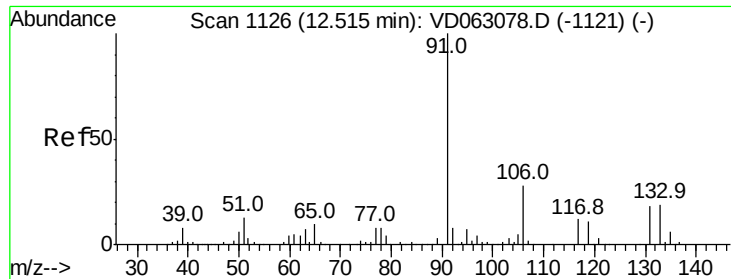
Tot Ion:112 Resp: 417675
Ion Ratio Lower Upper
112 100
114 31.2 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 24.819 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion:131 Resp: 182748
Ion Ratio Lower Upper
131 100
133 97.7 48.5 145.6
119 64.0 30.8 92.3

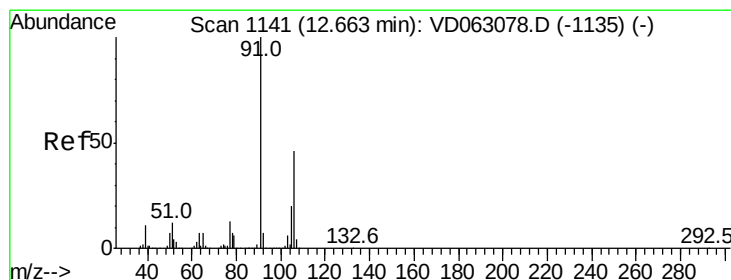
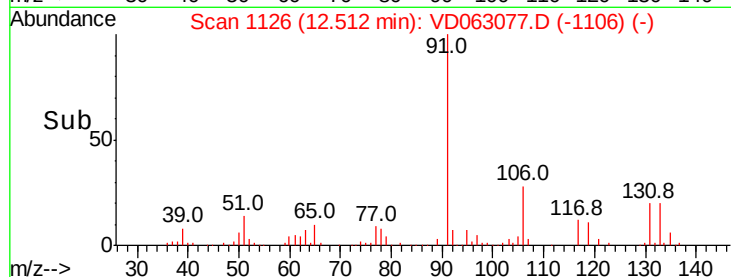
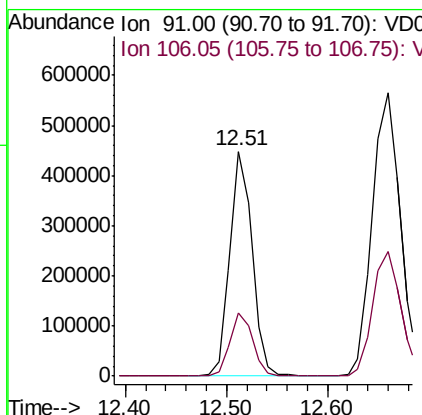
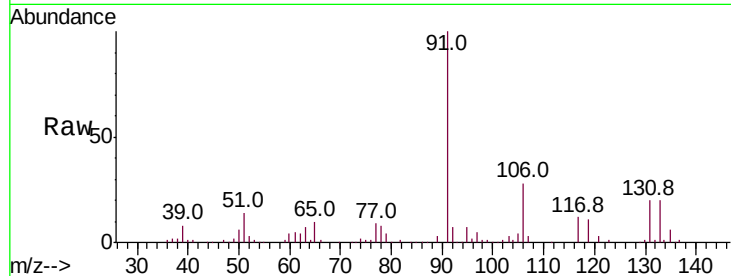




#67
Ethyl Benzene
Concen: 24.495 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

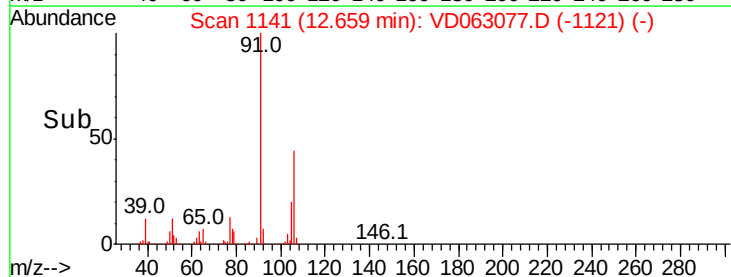
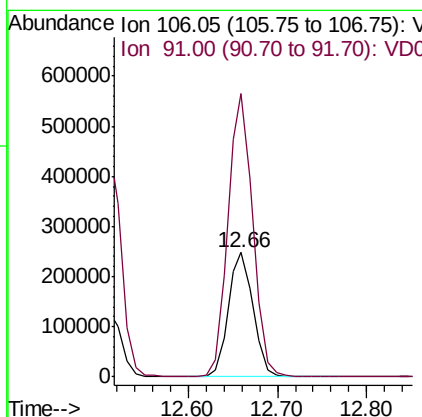
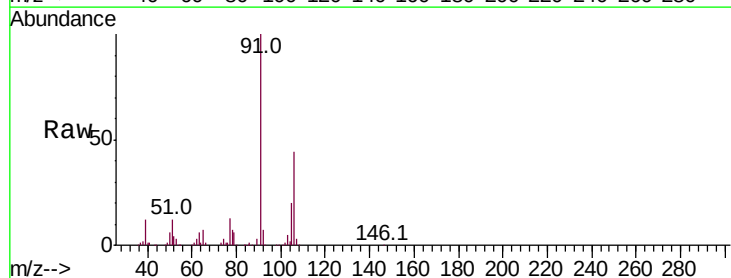
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

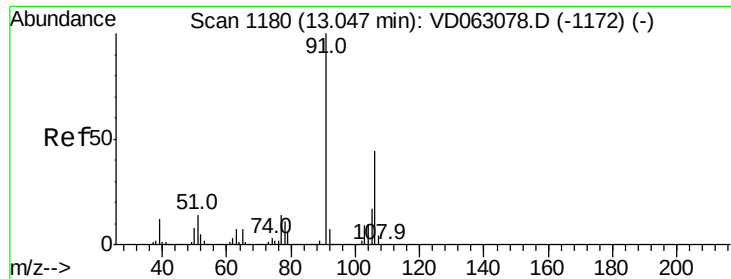
Tot Ion: 91 Resp: 691006
Ion Ratio Lower Upper
91 100
106 28.1 22.5 33.7



#68
m/p-Xylenes
Concen: 49.670 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion: 106 Resp: 484945
Ion Ratio Lower Upper
106 100
91 227.2 173.0 259.6

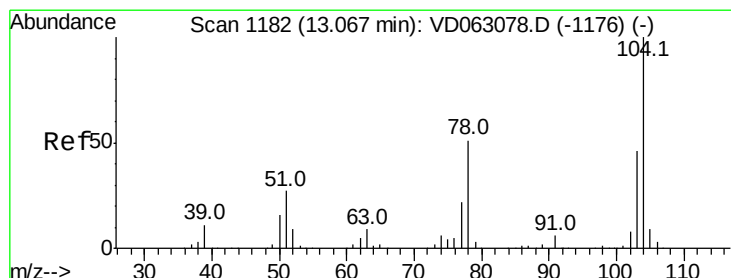
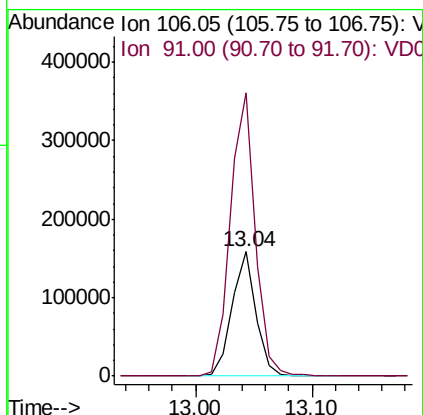
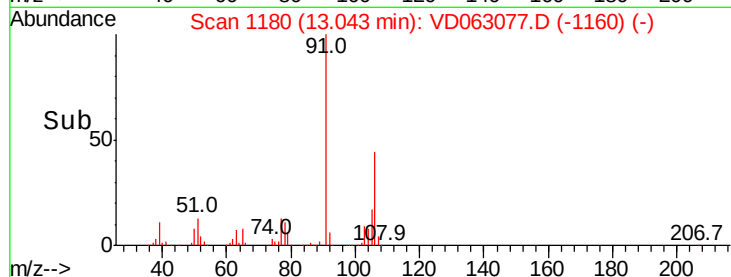
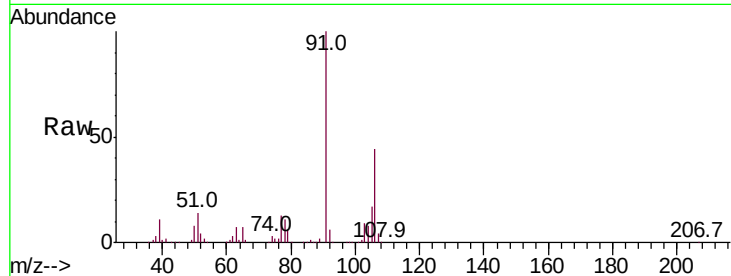




#69
o-Xylene
Concen: 25.153 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

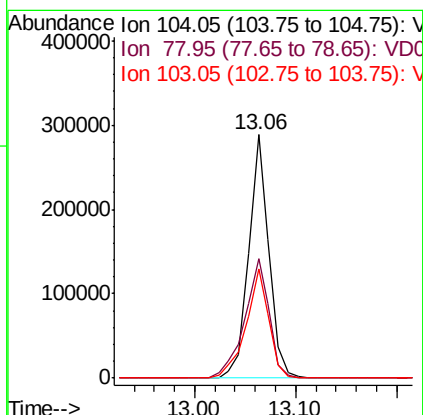
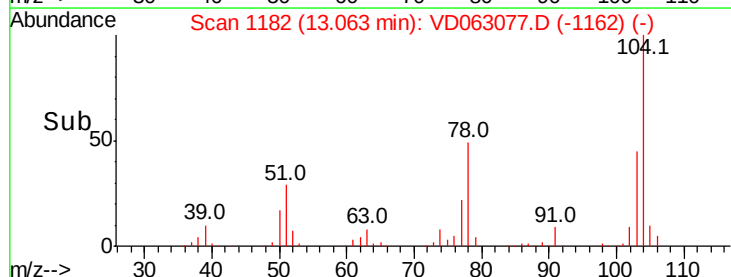
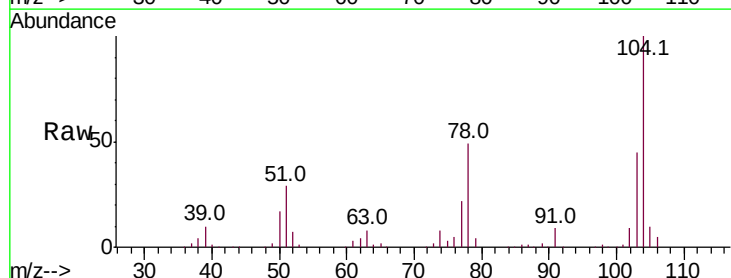
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

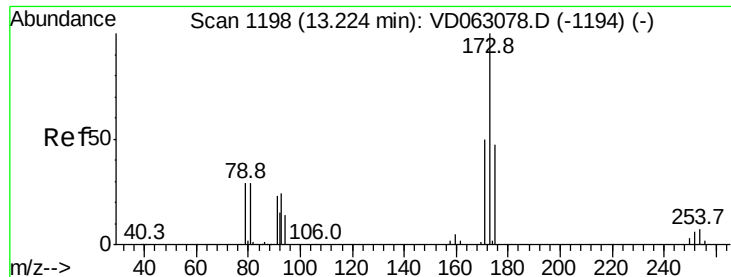
Tot Ion:106 Resp: 226368
Ion Ratio Lower Upper
106 100
91 227.3 114.9 344.7



#70
Styrene
Concen: 25.383 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion:104 Resp: 404867
Ion Ratio Lower Upper
104 100
78 49.2 41.1 61.7
103 44.7 37.0 55.6

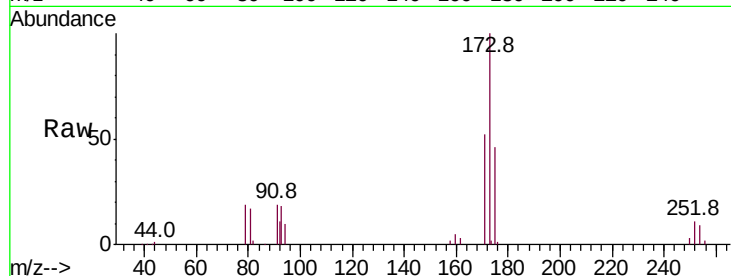




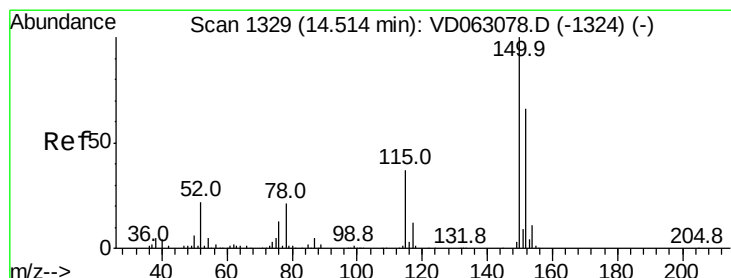
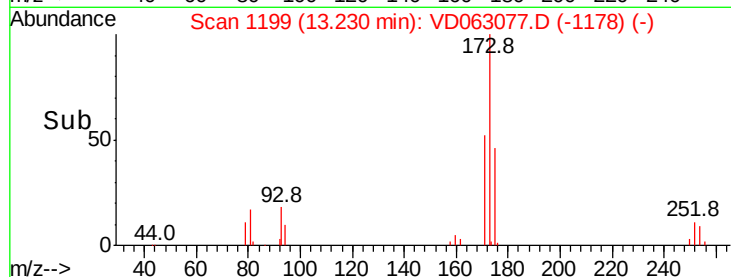
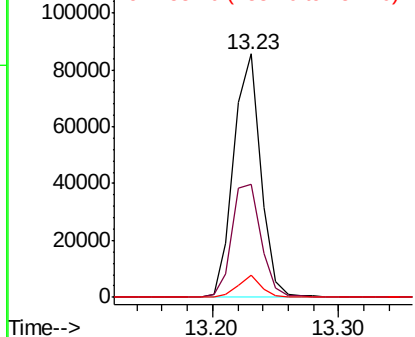
#71
Bromoform
Concen: 24.748 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 126385
Ion Ratio Lower Upper
173 100
175 46.2 23.4 70.2
254 9.3 5.4 8.0#

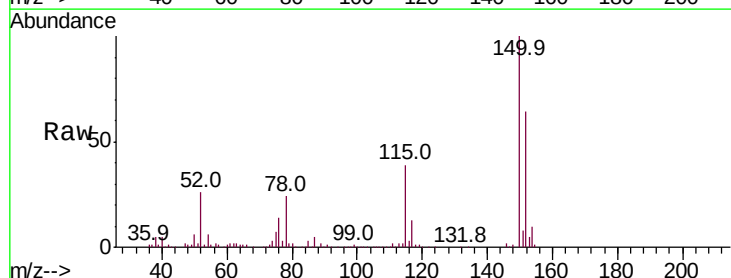


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

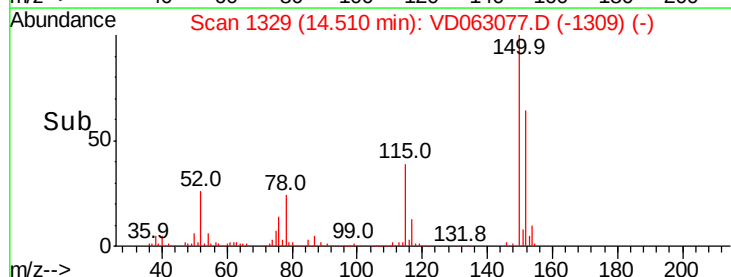
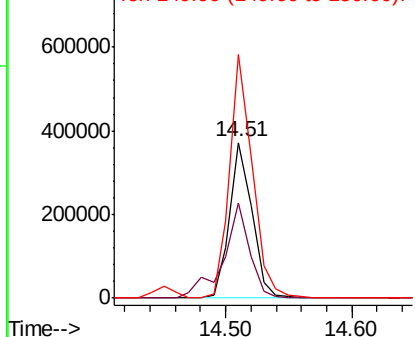


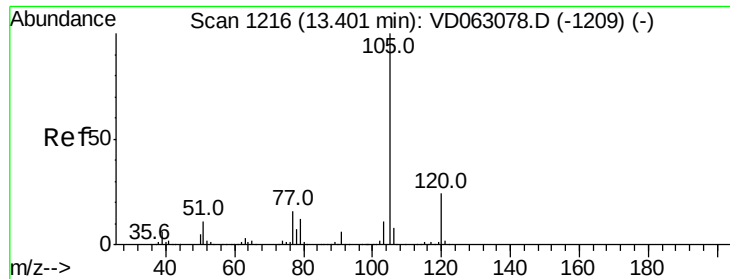
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion:152 Resp: 454974
Ion Ratio Lower Upper
152 100
115 61.1 28.9 86.8
150 156.4 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: 23.714 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

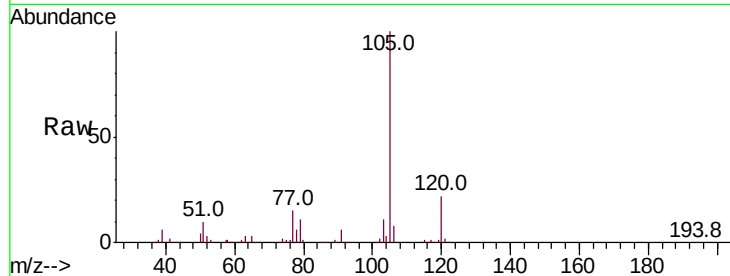
VSTDIC020

Tot Ion:105 Resp: 706004

Ion Ratio Lower Upper

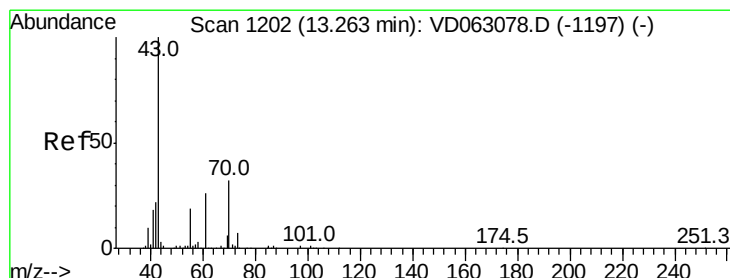
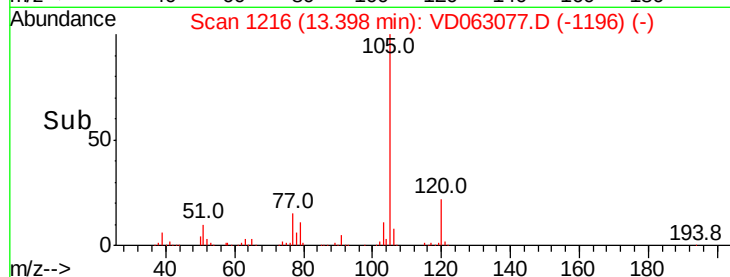
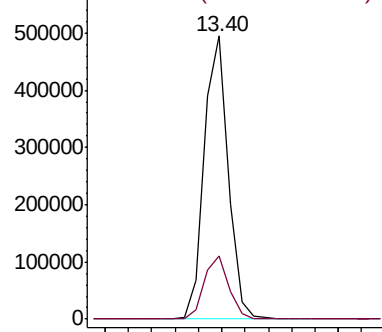
105 100

120 22.5 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: 26.529 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Tgt Ion: 43 Resp: 197636

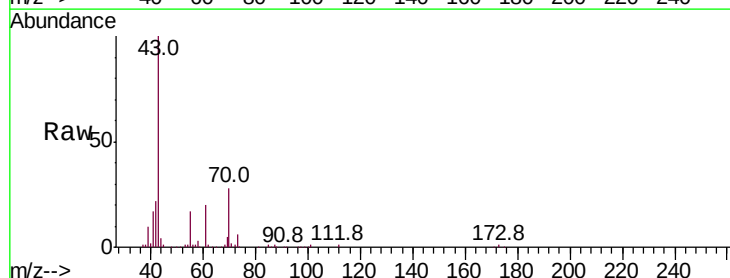
Ion Ratio Lower Upper

43 100

70 27.8 25.5 38.3

55 17.3 15.4 23.0

61 19.7 20.6 31.0#

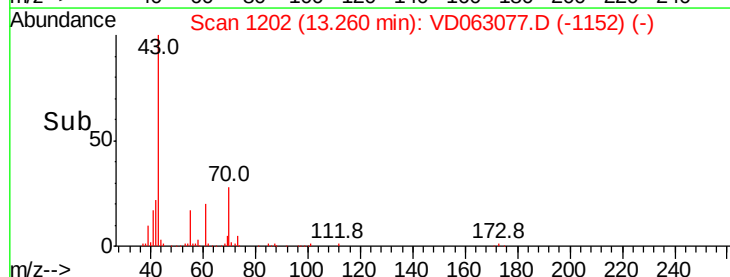
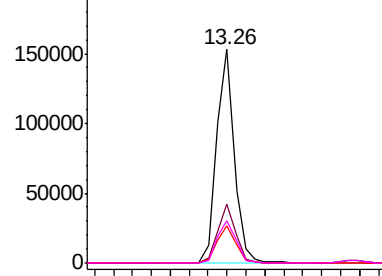


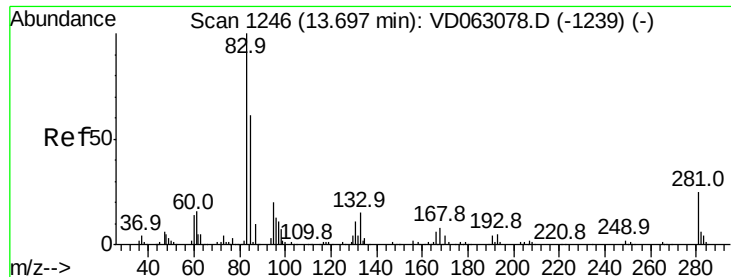
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 25.439 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

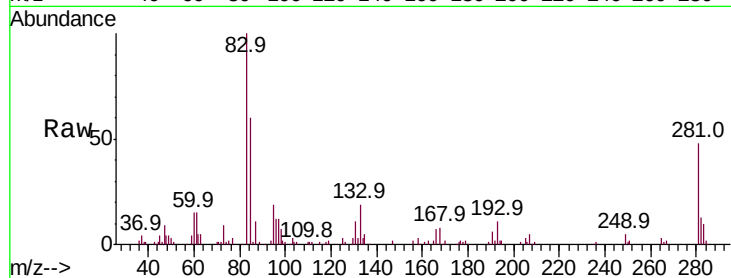
Tot Ion: 83 Resp: 128240

Ion Ratio Lower Upper

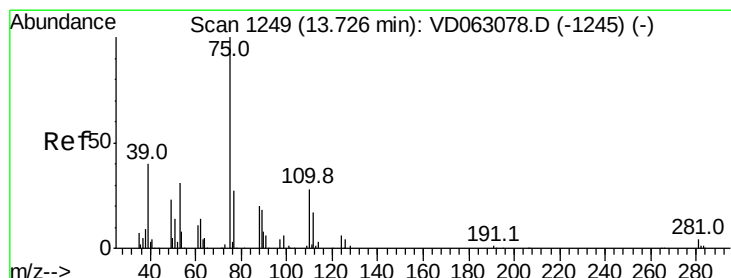
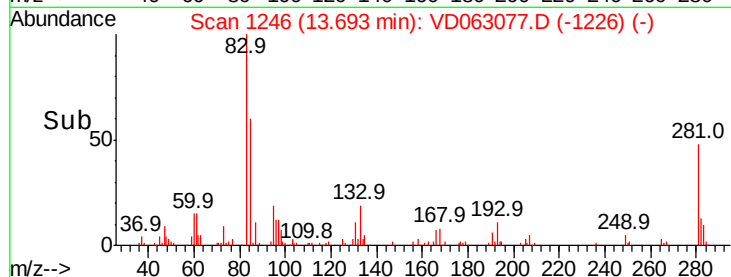
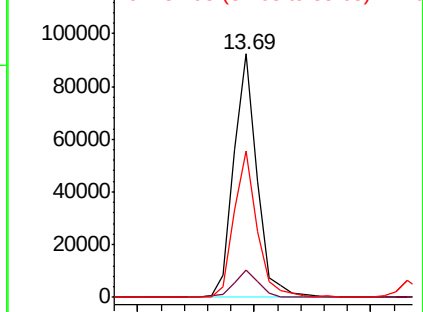
83 100

131 11.1 5.5 16.7

85 60.2 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: 25.811 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD063077.D

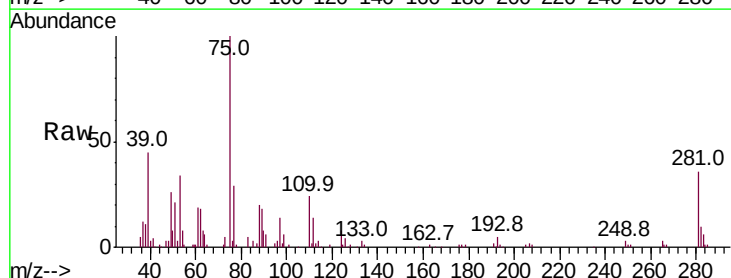
Acq: 15 Jul 2019 11:39

Tgt Ion: 75 Resp: 142936

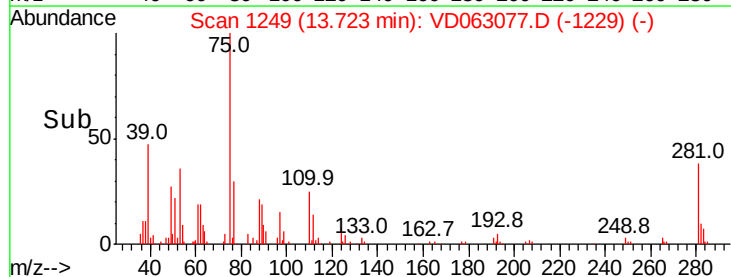
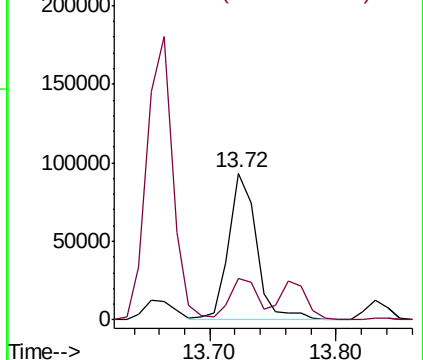
Ion Ratio Lower Upper

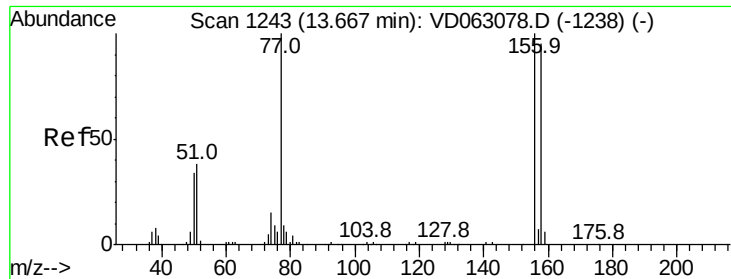
75 100

77 28.7 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: 24.672 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

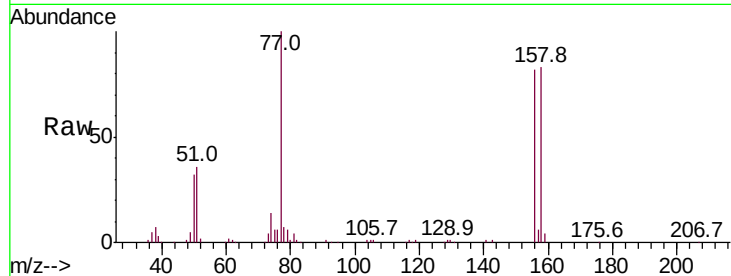
Tot Ion:156 Resp: 198979

Ion Ratio Lower Upper

156 100

77 122.4 50.2 150.7

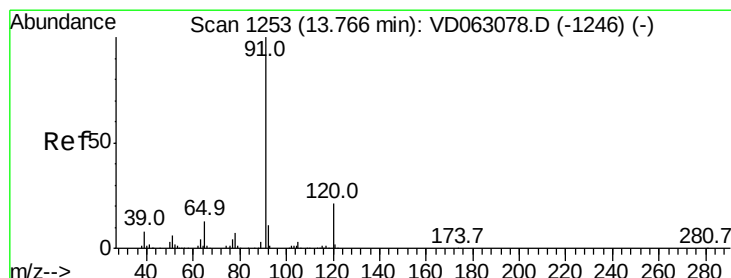
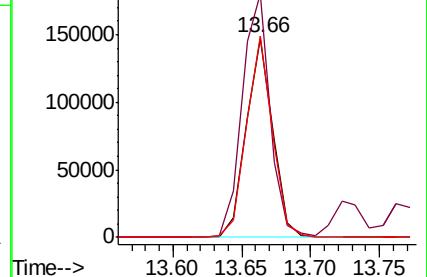
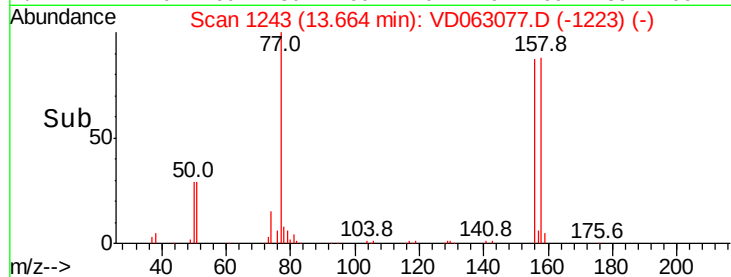
158 101.3 47.6 142.9



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: 23.194 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD063077.D

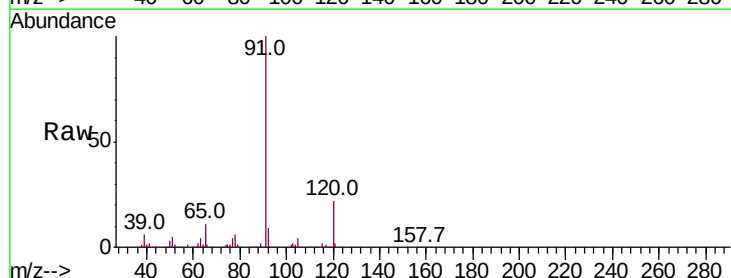
Acq: 15 Jul 2019 11:39

Tgt Ion: 91 Resp: 815970

Ion Ratio Lower Upper

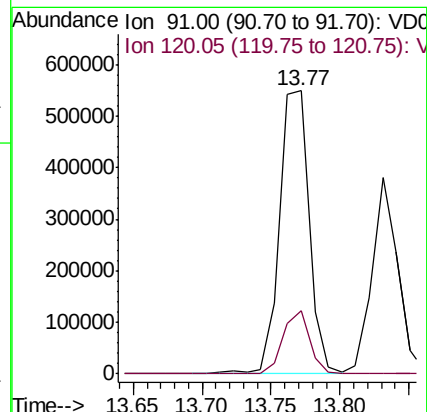
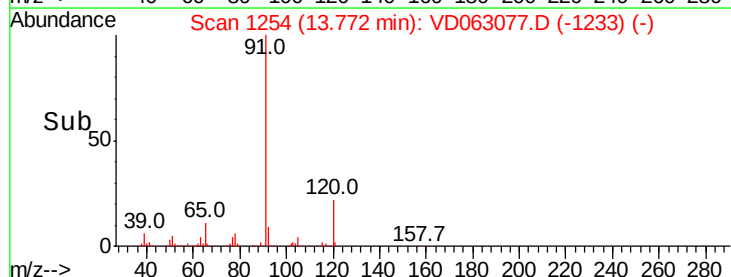
91 100

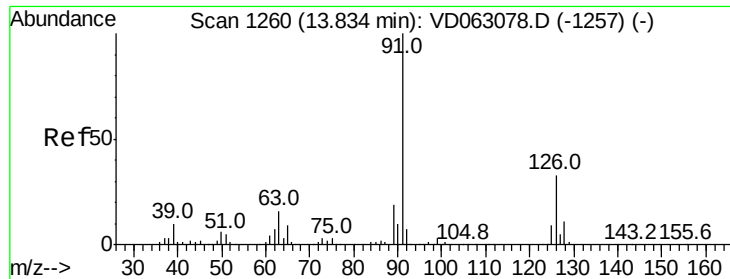
120 22.3 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

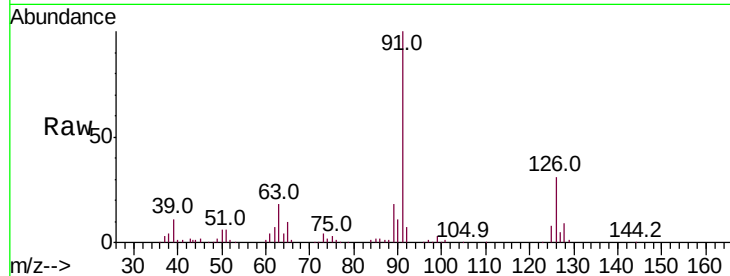




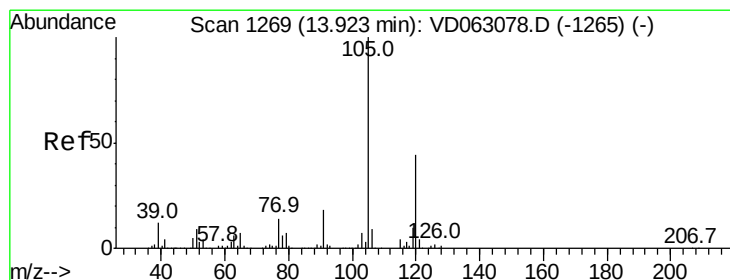
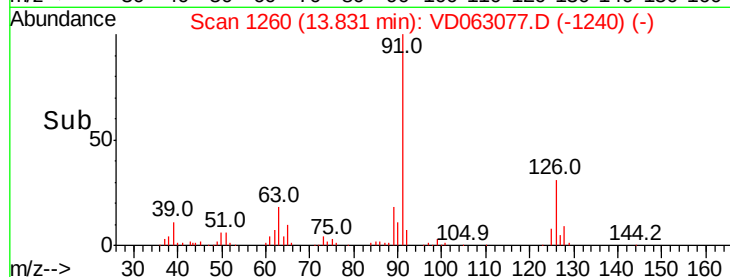
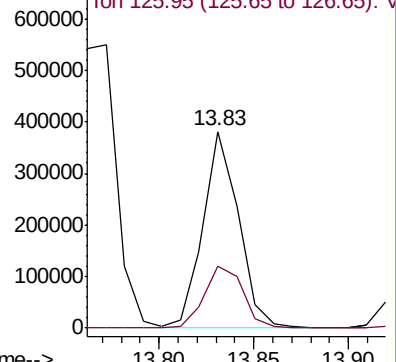
#79
 2-Chlorotoluene
 Concen: 24.753 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 495700
 Ion Ratio Lower Upper
 91 100
 126 31.4 16.4 49.2

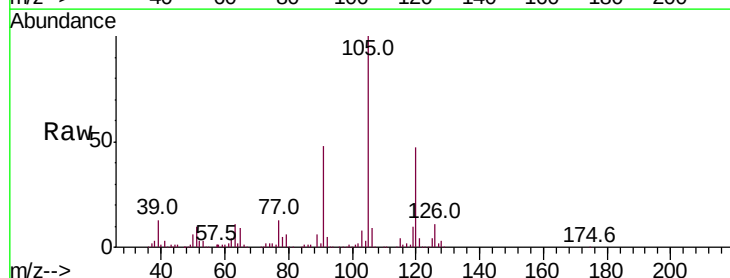


Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 125.95 (125.65 to 126.65): V

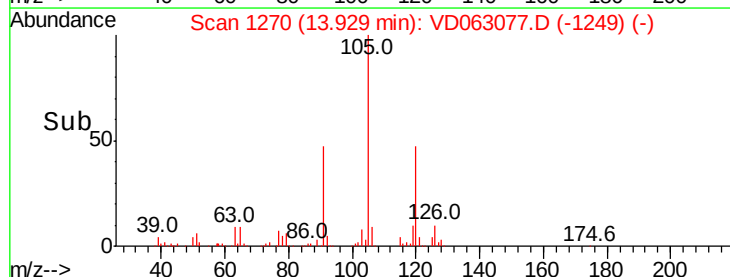
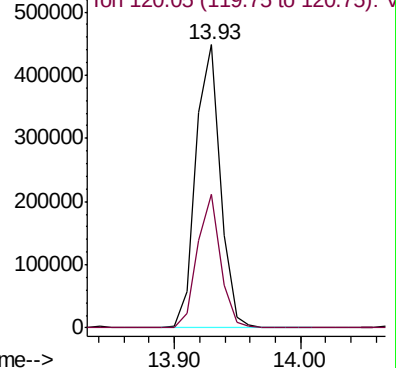


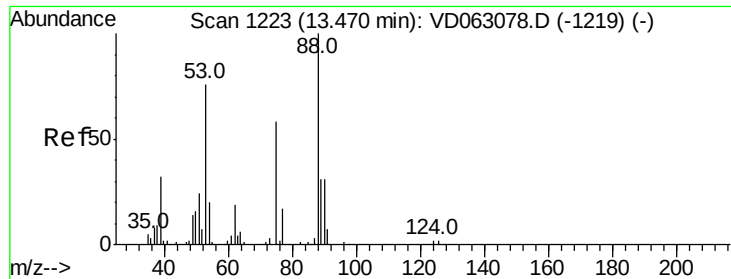
#80
 1,3,5-Trimethylbenzene
 Concen: 23.887 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Tgt Ion:105 Resp: 601912
 Ion Ratio Lower Upper
 105 100
 120 47.2 21.8 65.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 23.291 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

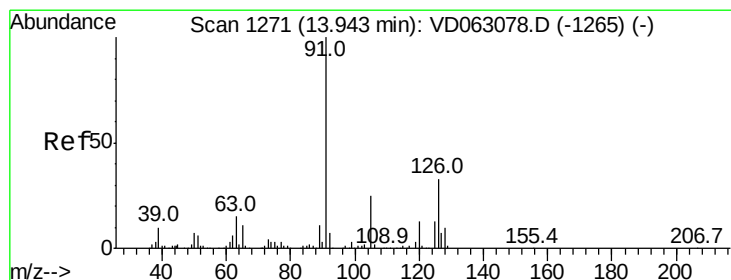
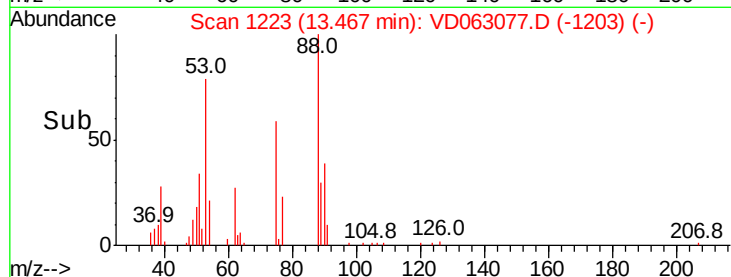
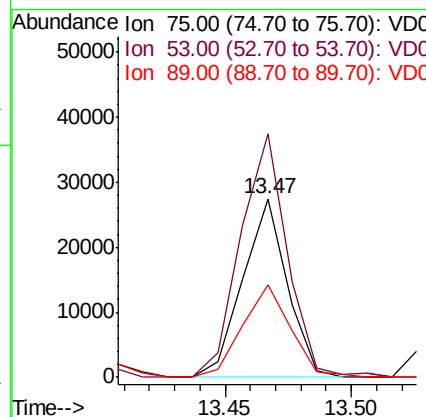
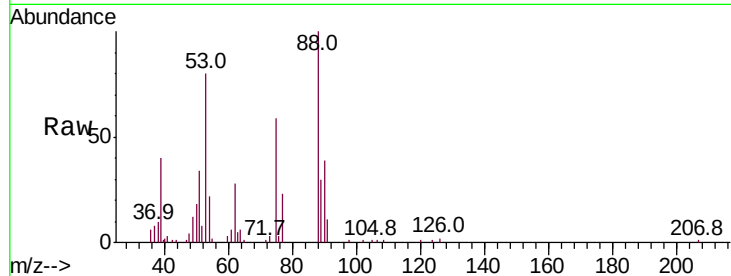
Tot Ion: 75 Resp: 33716

Ion Ratio Lower Upper

75 100

53 136.0 104.4 156.6

89 51.6 43.1 64.7



#82

4-Chlorotoluene

Concen: 23.120 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063077.D

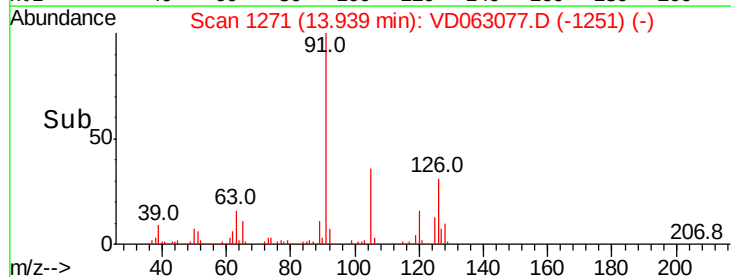
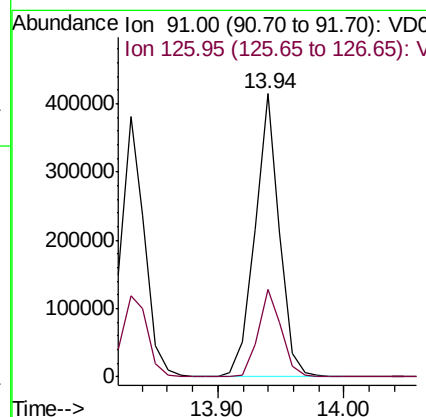
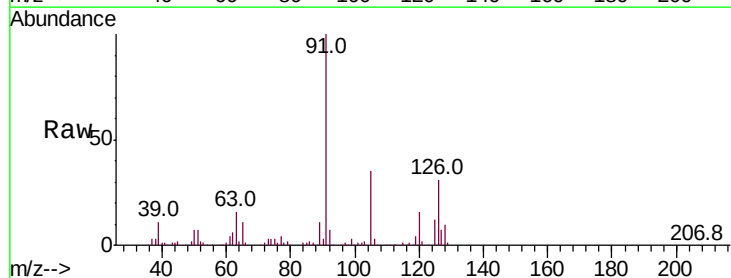
Acq: 15 Jul 2019 11:39

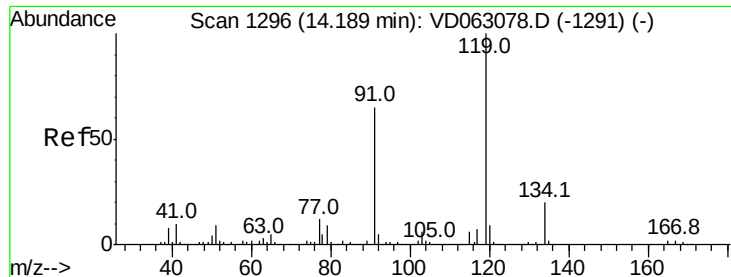
Tgt Ion: 91 Resp: 556397

Ion Ratio Lower Upper

91 100

126 30.8 16.7 50.1

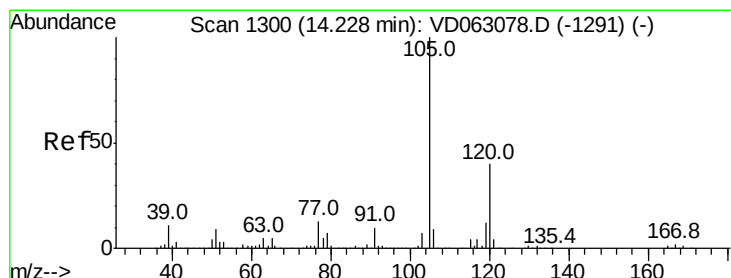
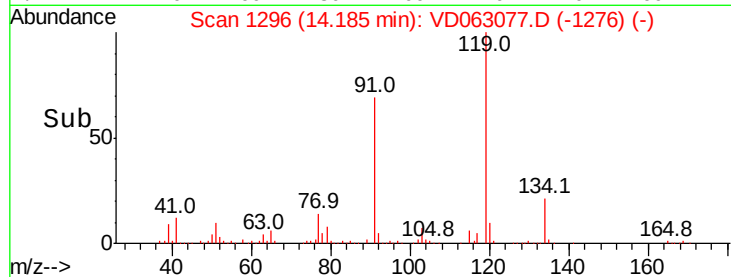
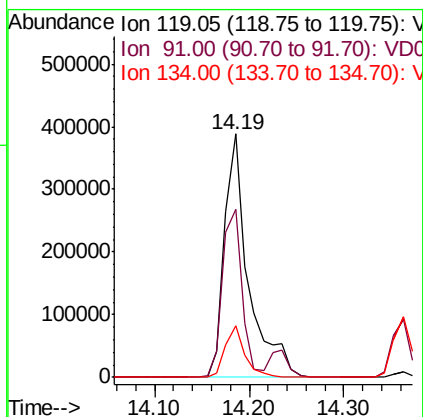
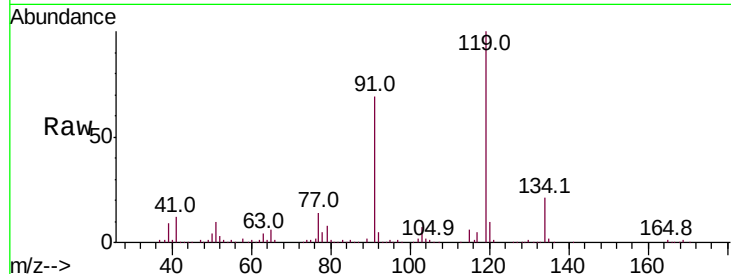




#83
 tert-Butylbenzene
 Concen: 24.122 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

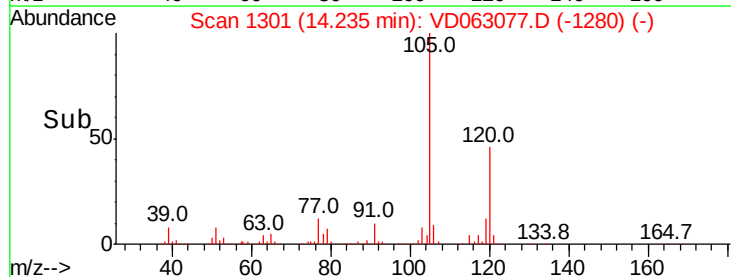
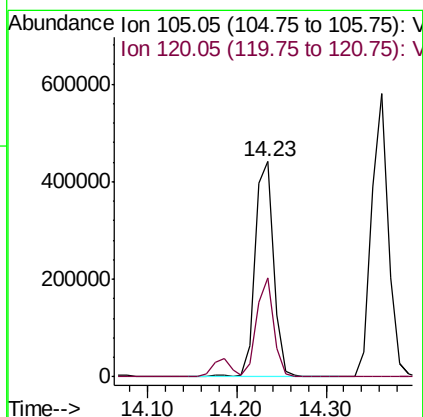
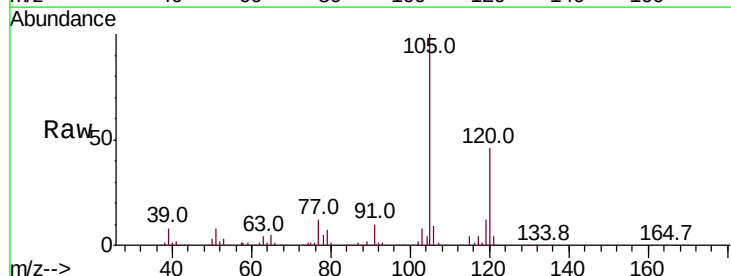
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

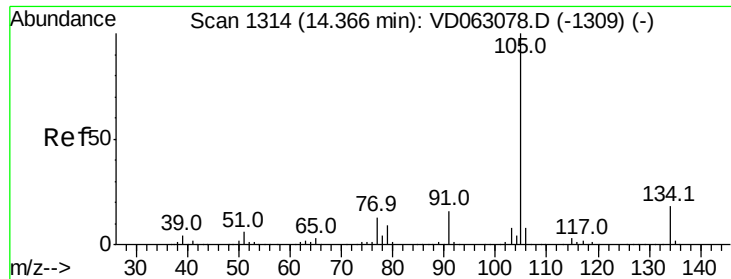
Tot Ion:119 Resp: 682014
 Ion Ratio Lower Upper
 119 100
 91 69.3 32.4 97.2
 134 21.2 10.2 30.6



#84
 1,2,4-Trimethylbenzene
 Concen: 24.396 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Tgt Ion:105 Resp: 625689
 Ion Ratio Lower Upper
 105 100
 120 45.9 20.2 60.6





#85

sec-Butylbenzene

Concen: 24.354 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

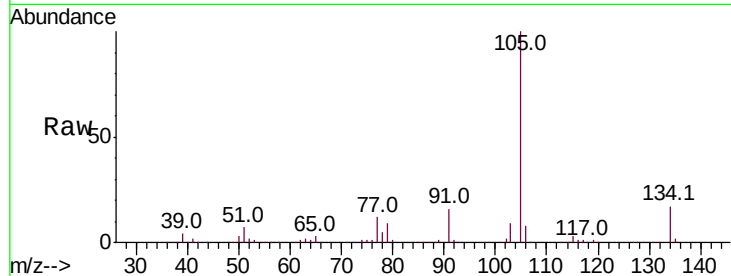
VSTDIC020

Tot Ion:105 Resp: 745988

Ion Ratio Lower Upper

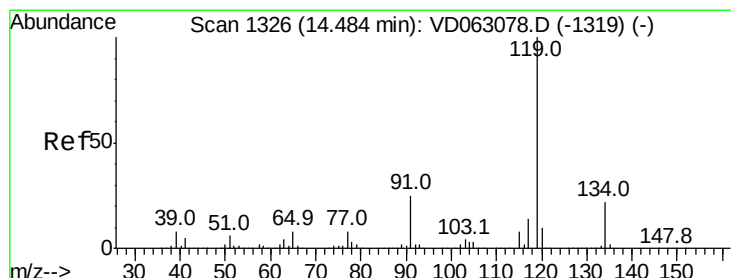
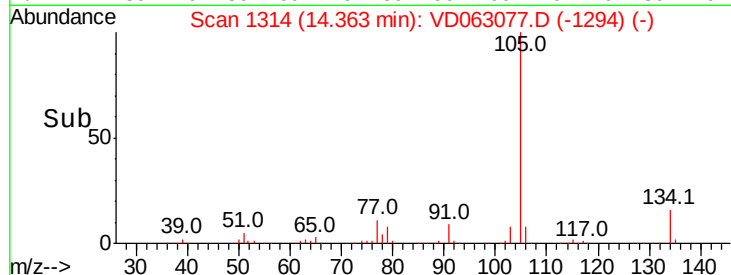
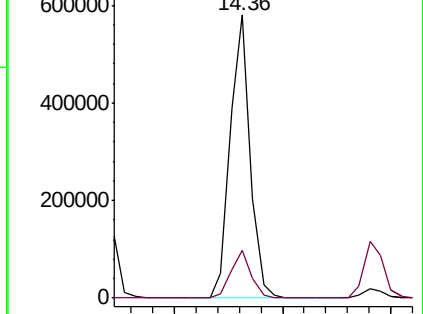
105 100

134 16.8 8.9 26.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 25.767 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

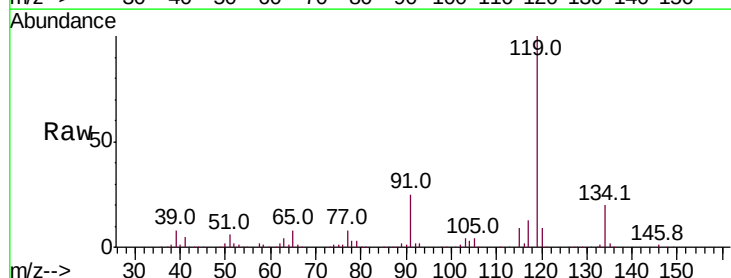
Tgt Ion:119 Resp: 711881

Ion Ratio Lower Upper

119 100

134 20.4 10.8 32.4

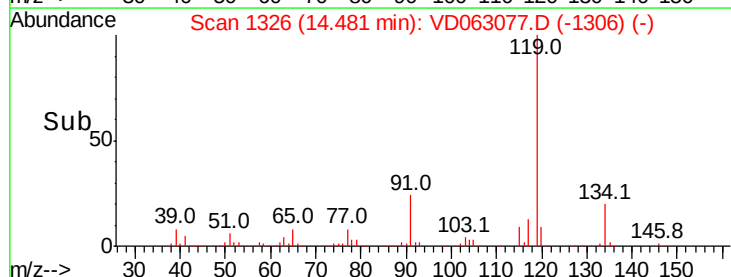
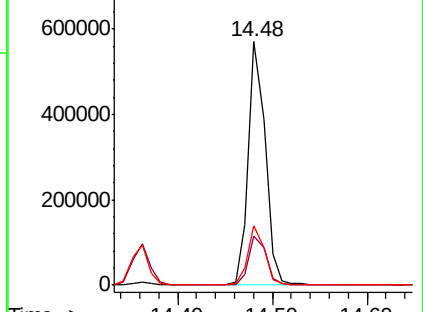
91 24.5 12.5 37.5

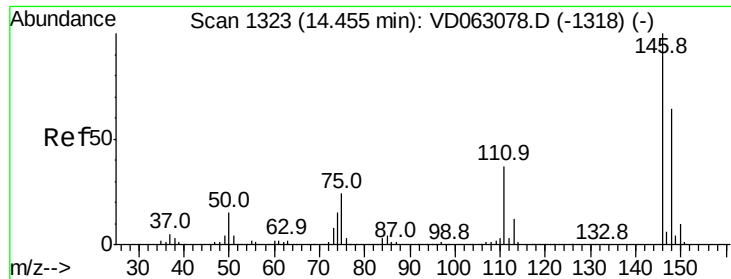


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

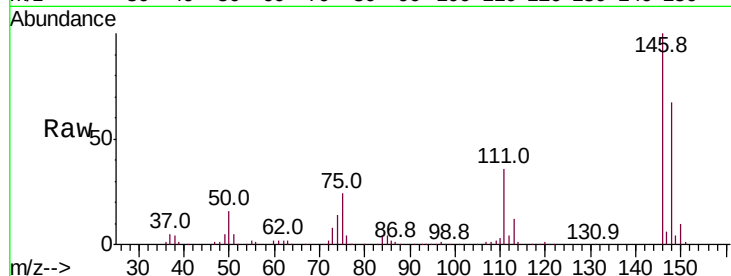




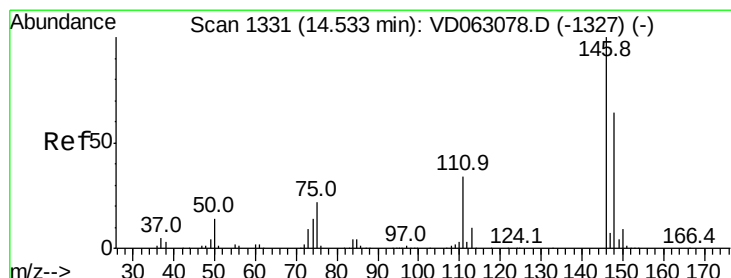
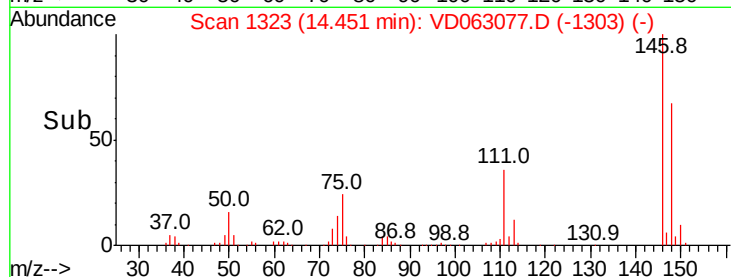
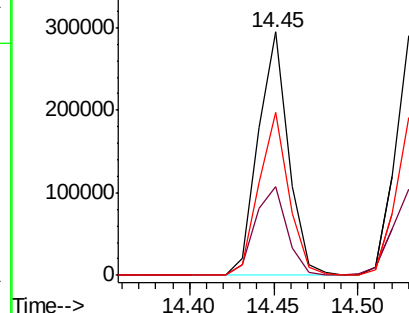
#87
 1,3-Dichlorobenzene
 Concen: 25.382 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:146 Resp: 366153
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.6 55.6
 148 67.1 32.0 96.0

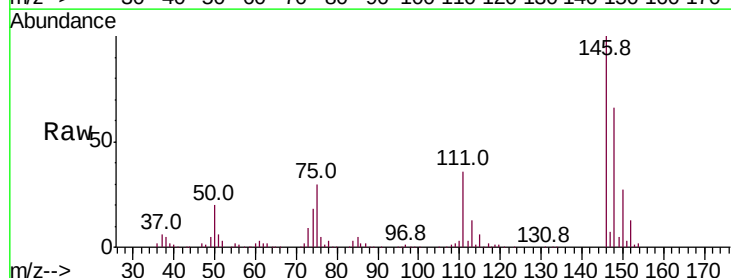


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

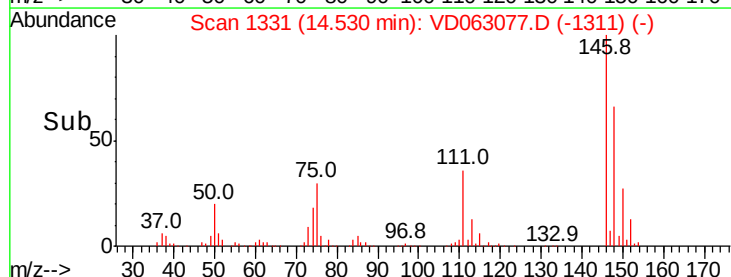
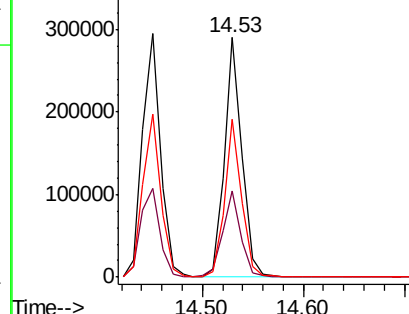


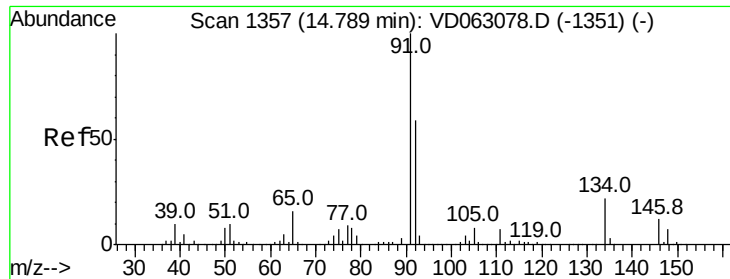
#88
 1,4-Dichlorobenzene
 Concen: 24.310 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Tgt Ion:146 Resp: 350854
 Ion Ratio Lower Upper
 146 100
 111 36.2 17.0 51.0
 148 65.7 32.0 96.2



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

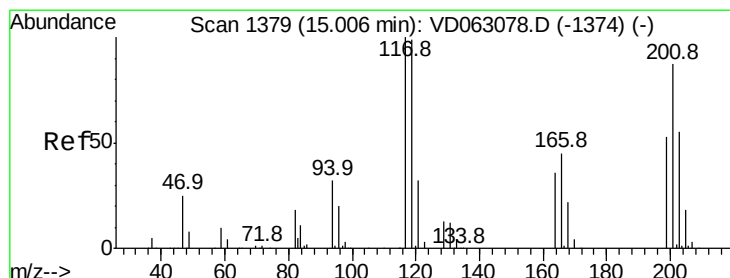
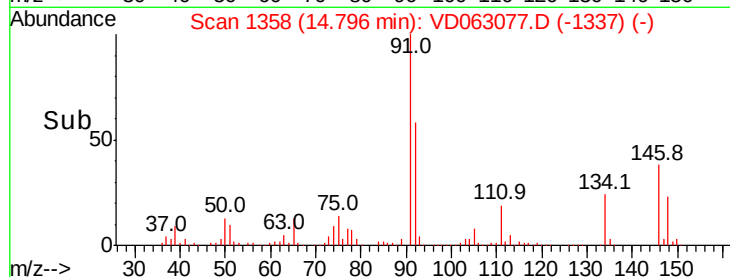
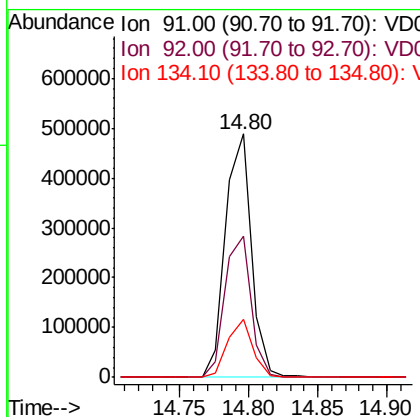
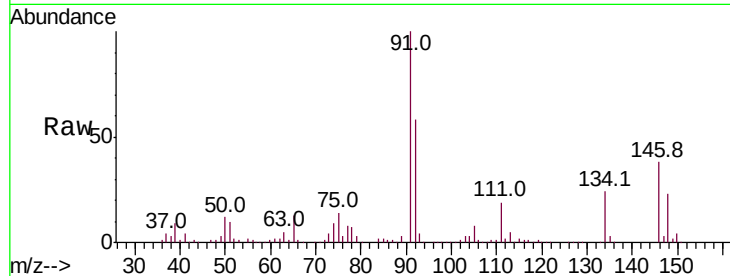




#89
n-Butylbenzene
Concen: 24.455 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

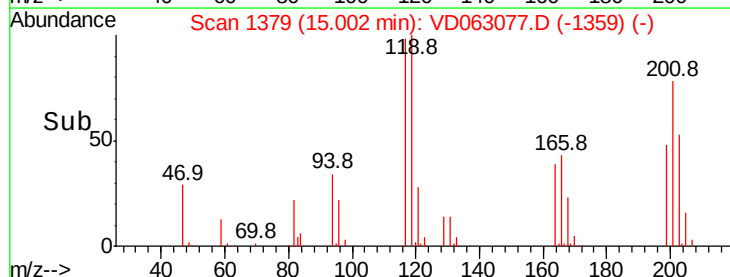
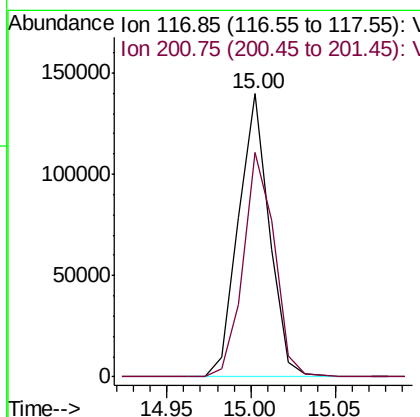
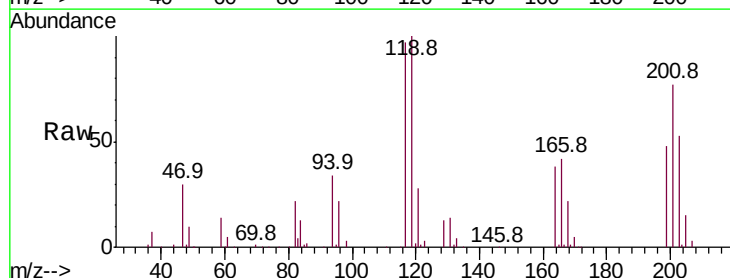
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

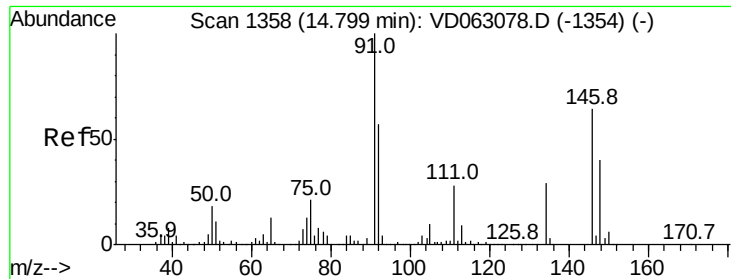
Tot Ion: 91 Resp: 641063
Ion Ratio Lower Upper
91 100
92 58.1 29.4 88.3
134 23.8 11.3 33.8



#90
Hexachloroethane
Concen: 23.631 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD063077.D
Acq: 15 Jul 2019 11:39

Tgt Ion: 117 Resp: 177385
Ion Ratio Lower Upper
117 100
201 79.3 43.4 130.1

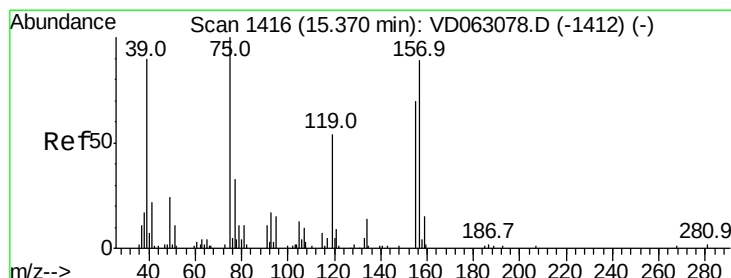
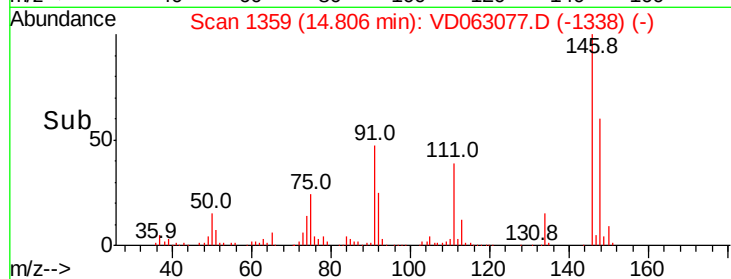
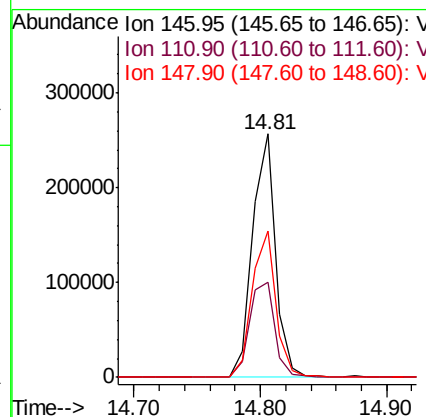
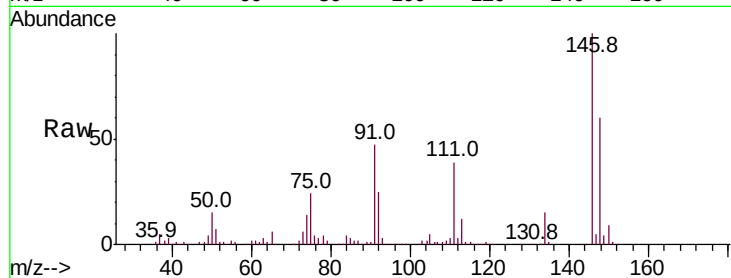




#91
 1,2-Dichlorobenzene
 Concen: 26.017 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

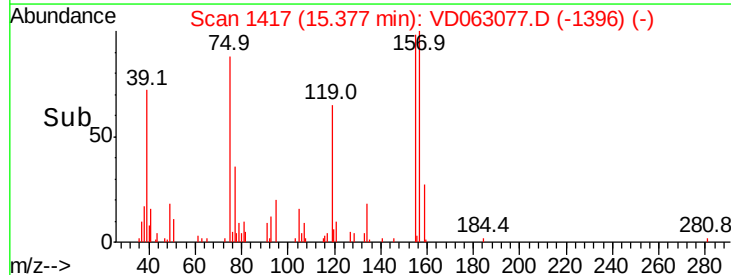
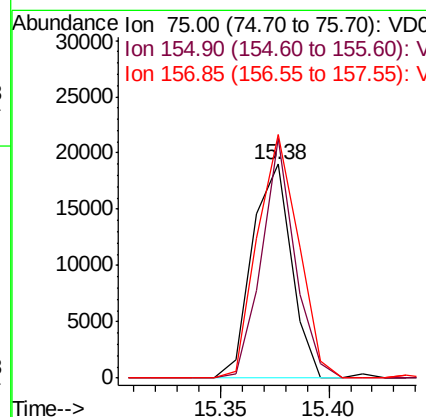
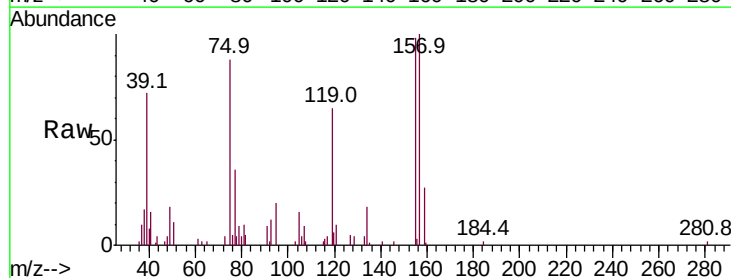
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

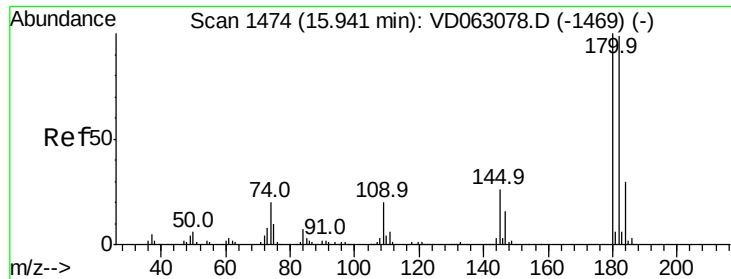
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.9	65.5
148	60.0	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.433 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.8	34.8	104.3#
157	113.7	44.7	134.1

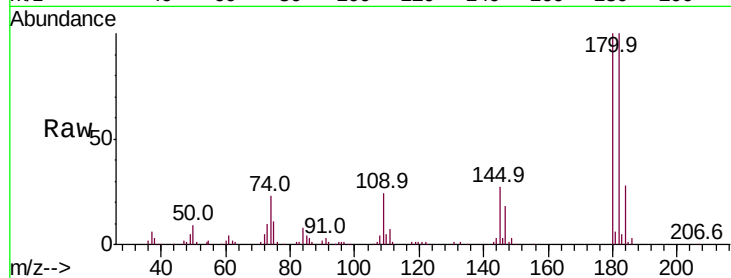




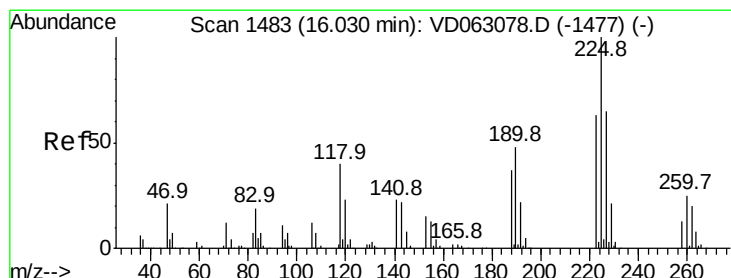
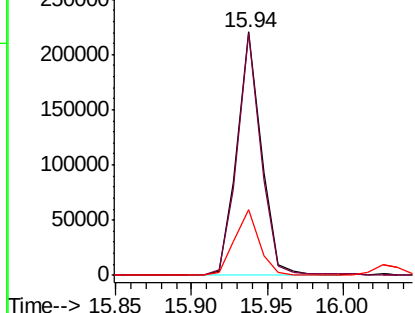
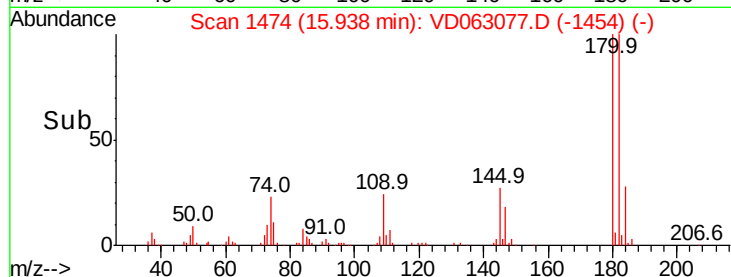
#93
 1,2,4-Trichlorobenzene
 Concen: 25.068 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 246525
 Ion Ratio Lower Upper
 180 100
 182 99.5 49.5 148.3
 145 27.1 12.8 38.4

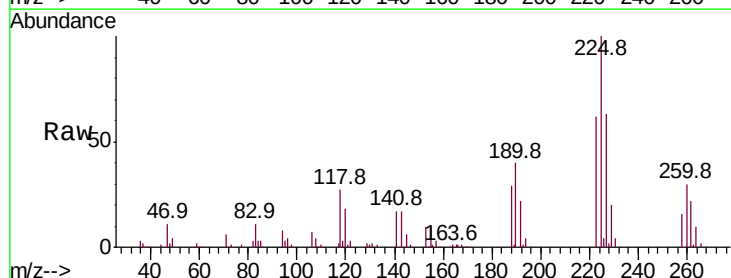


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

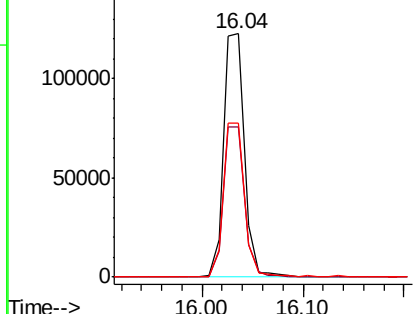
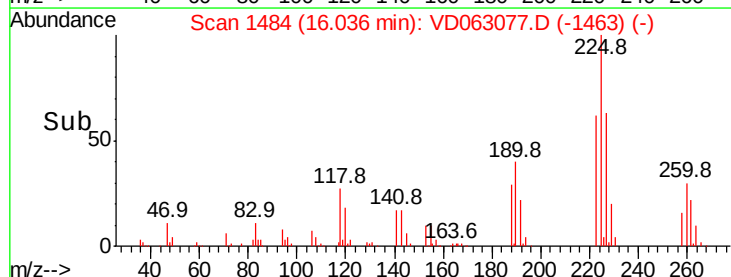


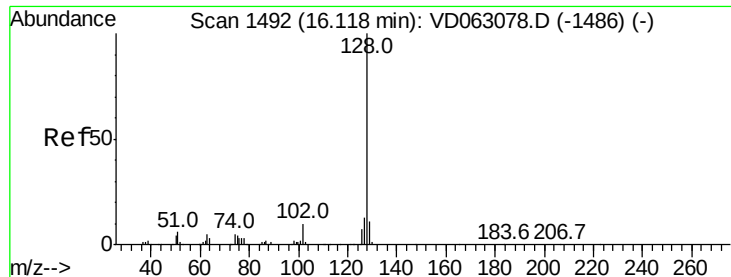
#94
 Hexachlorobutadiene
 Concen: 23.575 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD063077.D
 Acq: 15 Jul 2019 11:39

Tgt Ion:225 Resp: 175323
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.4 94.2
 227 63.0 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: 26.441 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

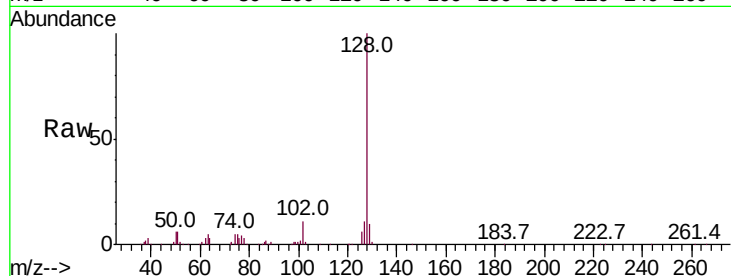
Tot Ion:128 Resp: 360067

Ion Ratio Lower Upper

128 100

127 11.3 10.7 16.1

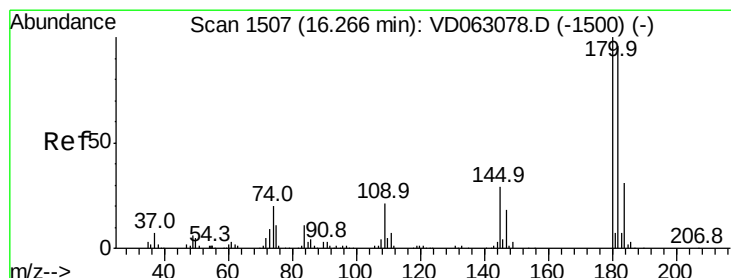
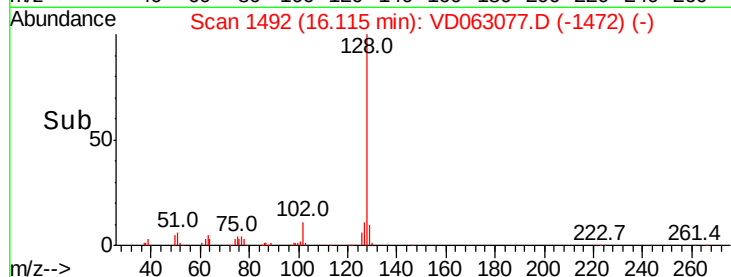
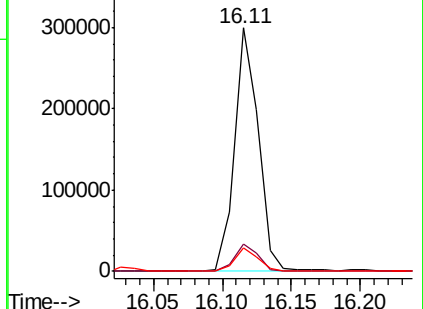
129 9.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 24.248 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VD063077.D

Acq: 15 Jul 2019 11:39

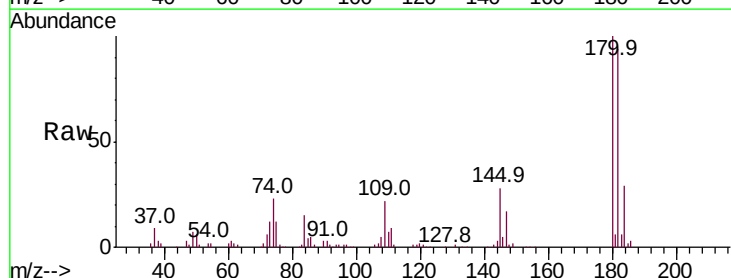
Tgt Ion:180 Resp: 184955

Ion Ratio Lower Upper

180 100

182 94.0 47.9 143.6

145 27.8 14.4 43.4



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

