

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042619\
 Data File : VD062055.D
 Acq On : 26 Apr 2019 12:05
 Operator : VA/AP
 Sample : VD0426SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

Quant Time: Apr 26 23:04:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	526085	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.24	114	796020	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	667750	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	319105	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	219986	53.43	ug/l	0.02
Spiked Amount						
			Recovery	=	106.86%	
35) Dibromofluoromethane	6.95	113	304923	55.39	ug/l	0.01
Spiked Amount						
			Recovery	=	110.78%	
50) Toluene-d8	10.43	98	722715	55.17	ug/l	0.01
Spiked Amount						
			Recovery	=	110.34%	
62) 4-Bromofluorobenzene	13.56	95	288688	54.94	ug/l	0.00
Spiked Amount						
			Recovery	=	109.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	84850	18.063	ug/l	98
3) Chloromethane	1.76	50	73402	18.385	ug/l	95
4) Vinyl Chloride	1.86	62	71263	19.693	ug/l	99
5) Bromomethane	2.15	94	20739	19.087	ug/l	99
6) Chloroethane	2.26	64	27344	20.904	ug/l	91
7) Trichlorofluoromethane	2.54	101	123694	22.607	ug/l	97
8) Diethyl Ether	2.88	74	30631	20.888	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	111313	22.085	ug/l	97
10) Methyl Iodide	3.33	142	116431	18.945	ug/l	99
11) Tert butyl alcohol	4.08	59	24040	103.337	ug/l #	91
12) 1,1-Dichloroethene	3.14	96	88700	20.685	ug/l	92
13) Acrolein	3.05	56	23584	97.706	ug/l	97
14) Allyl chloride	3.64	41	119810	20.461	ug/l	97
15) Acrylonitrile	4.21	53	69011	95.799	ug/l	97
16) Acetone	3.23	43	96871	98.534	ug/l #	89
17) Carbon Disulfide	3.39	76	244023	19.693	ug/l	98
18) Methyl Acetate	3.65	43	41969	22.343	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	178622	20.994	ug/l	98
20) Methylene Chloride	3.84	84	110018	21.147	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	93274	18.961	ug/l	98
22) Diisopropyl ether	5.15	45	259925	19.013	ug/l	98
23) Vinyl Acetate	5.08	43	692511	97.272	ug/l	97
24) 1,1-Dichloroethane	5.01	63	168968	20.449	ug/l	100
25) 2-Butanone	6.09	43	108983	91.432	ug/l	95
26) 2,2-Dichloropropane	6.04	77	152982	21.223	ug/l	96
27) cis-1,2-Dichloroethene	6.06	96	109015	19.480	ug/l	98
28) Bromochloromethane	6.47	49	63907	20.214	ug/l	97
29) Tetrahydrofuran	6.48	42	55137	93.881	ug/l	97
30) Chloroform	6.68	83	197898	21.086	ug/l	100
31) Cyclohexane	6.99	56	111977	18.258	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	168917	20.686	ug/l	98
36) 1,1-Dichloropropene	7.17	75	141201	22.768	ug/l	93
37) Ethyl Acetate	6.20	43	56429	21.352	ug/l	96
38) Carbon Tetrachloride	7.14	117	182233	23.188	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.89	83	131584	21.504	ug/l	99
40) Benzene	7.48	78	311550	20.291	ug/l	100
41) Methacrylonitrile	6.47	41	68077	22.077	ug/l #	94
42) 1,2-Dichloroethane	7.60	62	116469	22.341	ug/l	96
43) Isopropyl Acetate	9.26	43	74186	19.212	ug/l	90
44) Trichloroethene	8.56	130	123136	20.687	ug/l	98
45) 1,2-Dichloropropane	8.96	63	75450	19.371	ug/l	96
46) Dibromomethane	9.08	93	60991	21.761	ug/l	95
47) Bromodichloromethane	9.40	83	145367	21.951	ug/l	96
48) Methyl methacrylate	9.14	41	48250	21.900	ug/l	95
49) 1,4-Dioxane	9.09	88	10300	433.622	ug/l #	91
51) 4-Methyl-2-Pentanone	10.33	43	248660	105.295	ug/l	98
52) Toluene	10.53	92	216005	22.064	ug/l	96
53) t-1,3-Dichloropropene	10.94	75	126196	22.702	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	144534	21.378	ug/l	99
55) 1,1,2-Trichloroethane	11.21	97	69445	21.130	ug/l	96
56) Ethyl methacrylate	11.06	69	72454	19.905	ug/l	95
57) 1,3-Dichloropropane	11.43	76	110970	21.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	175595	103.757	ug/l	95
59) 2-Hexanone	11.55	43	183227	103.430	ug/l	100
60) Dibromochloromethane	11.70	129	121827	22.402	ug/l	99
61) 1,2-Dibromoethane	11.82	107	81062	20.792	ug/l	100
64) Tetrachloroethene	11.28	164	93359	19.599	ug/l	96
65) Chlorobenzene	12.41	112	248003	19.655	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	116641	21.793	ug/l	97
67) Ethyl Benzene	12.54	91	459440	22.308	ug/l	98
68) m/p-Xylenes	12.69	106	305146	40.994	ug/l	99
69) o-Xylene	13.06	106	157799	23.169	ug/l	94
70) Styrene	13.08	104	263277	22.388	ug/l	96
71) Bromoform	13.25	173	69662	22.829	ug/l	97
73) Isopropylbenzene	13.42	105	394274	18.522	ug/l	99
74) N-amyl acetate	13.28	43	106879	19.496	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	81895	19.633	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	80578	19.885	ug/l	99
77) Bromobenzene	13.68	156	111183	18.208	ug/l	91
78) n-propylbenzene	13.79	91	508501	20.868	ug/l	98
79) 2-Chlorotoluene	13.85	91	287242	19.461	ug/l	94
80) 1,3,5-Trimethylbenzene	13.95	105	325109	19.154	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	23062	18.781	ug/l	94
82) 4-Chlorotoluene	13.96	91	316197	19.452	ug/l	89
83) tert-Butylbenzene	14.20	119	387920	19.729	ug/l	96
84) 1,2,4-Trimethylbenzene	14.25	105	332840	20.537	ug/l	100
85) sec-Butylbenzene	14.38	105	436081	20.526	ug/l	99
86) p-Isopropyltoluene	14.50	119	397121	20.886	ug/l	94
87) 1,3-Dichlorobenzene	14.47	146	216389	20.236	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	205287	20.528	ug/l	98
89) n-Butylbenzene	14.81	91	350386	20.526	ug/l	99
90) Hexachloroethane	15.02	117	103644	20.158	ug/l	94
91) 1,2-Dichlorobenzene	14.82	146	181332	20.557	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.40	75	11435	20.213	ug/l	94

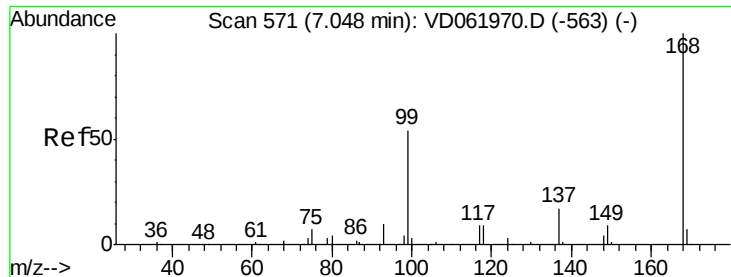
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042619\
Data File : VD062055.D
Acq On : 26 Apr 2019 12:05
Operator : VA/AP
Sample : VD0426SBS01
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Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	99258	20.855	ug/l	99
94) Hexachlorobutadiene	16.04	225	67697	19.221	ug/l	96
95) Naphthalene	16.13	128	143255	18.642	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	61480	22.767	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

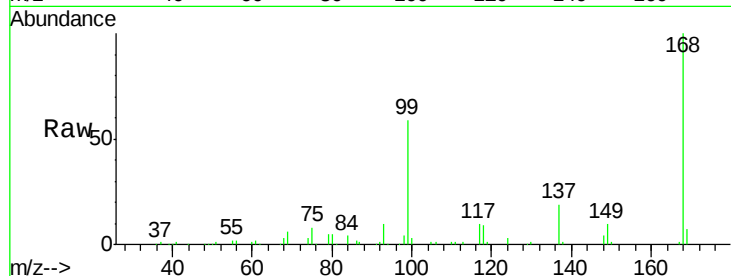
VD0426SBS01

Tot Ion:168 Resp: 526085

Ion Ratio Lower Upper

168 100

99 59.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

200000

150000

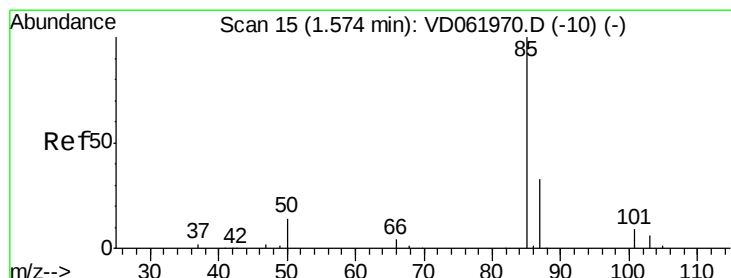
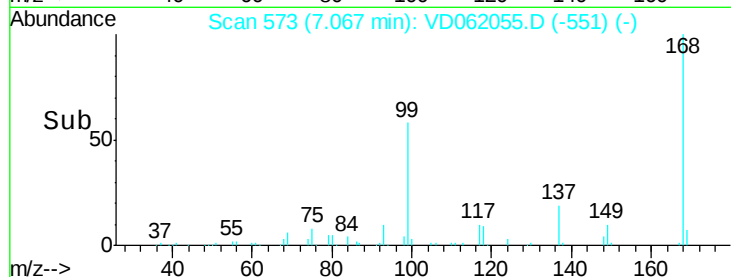
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 18.063 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD062055.D

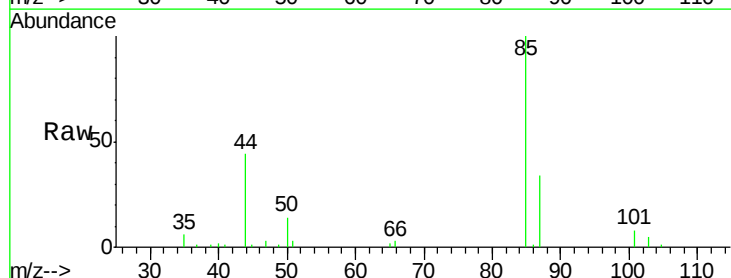
Acq: 26 Apr 2019 12:05

Tgt Ion: 85 Resp: 84850

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

40000

30000

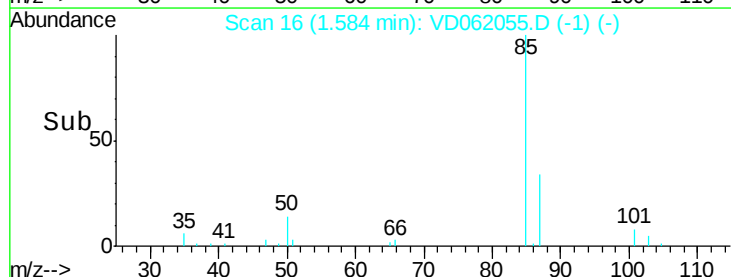
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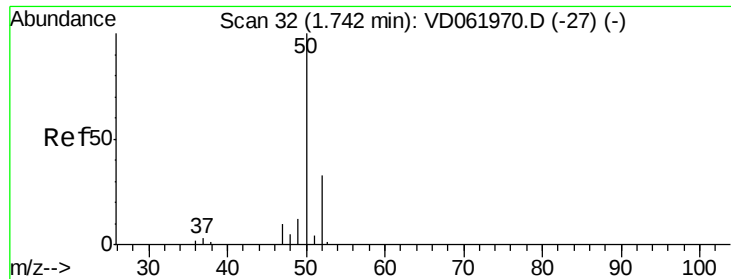
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0

1.50 1.60 1.70 1.80

Time-->

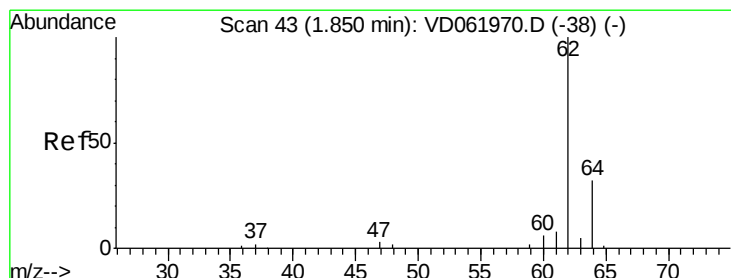
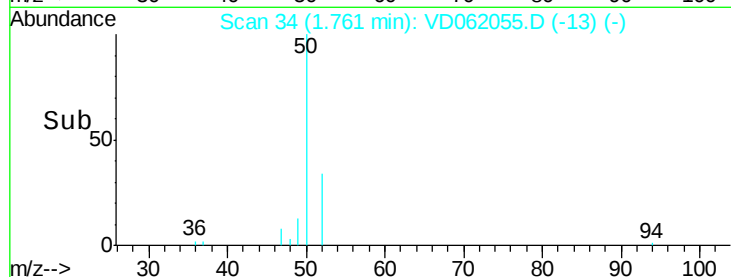
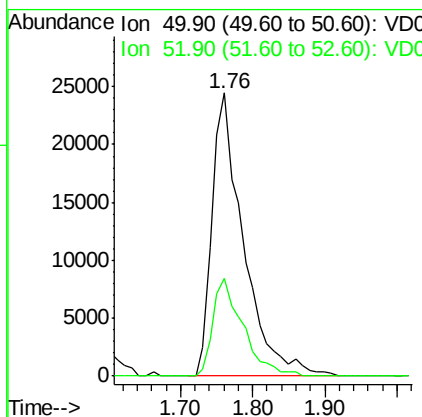
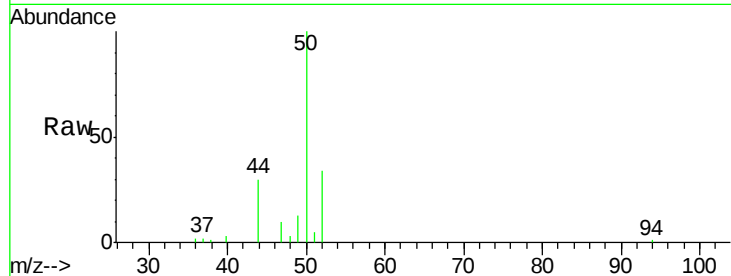




#3
Chloromethane
Concen: 18.385 ug/l
RT: 1.76 min Scan# 34
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

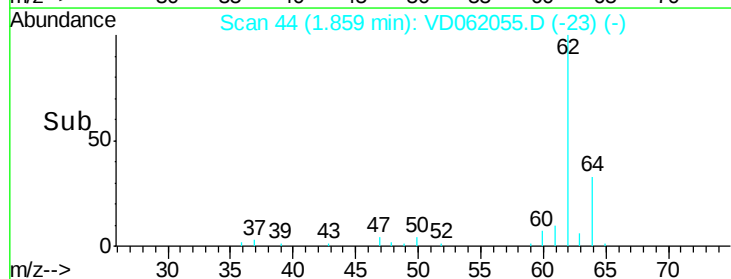
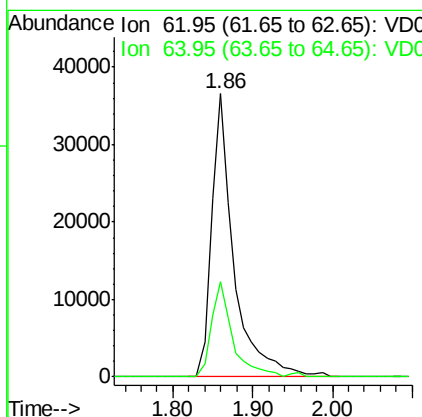
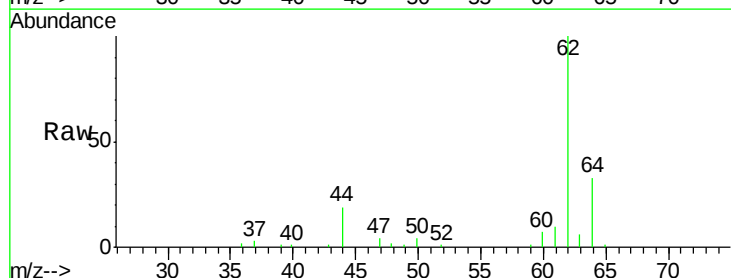
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

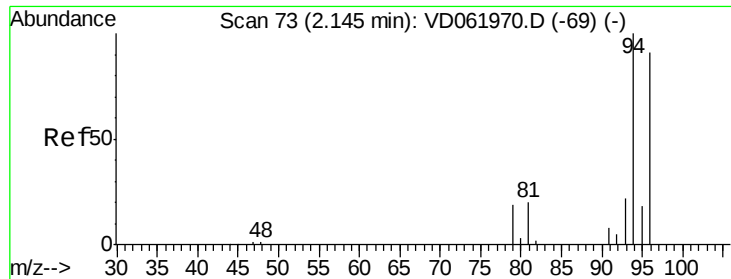
Tot Ion: 50 Resp: 73402
Ion Ratio Lower Upper
50 100
52 34.3 25.2 37.8



#4
Vinyl Chloride
Concen: 19.693 ug/l
RT: 1.86 min Scan# 44
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 62 Resp: 71263
Ion Ratio Lower Upper
62 100
64 33.4 26.5 39.7

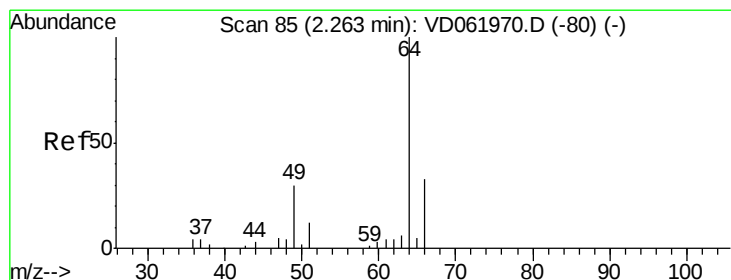
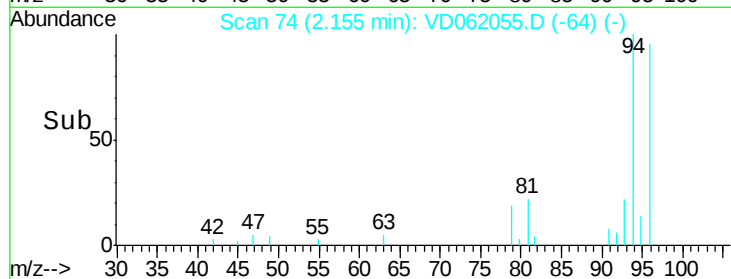
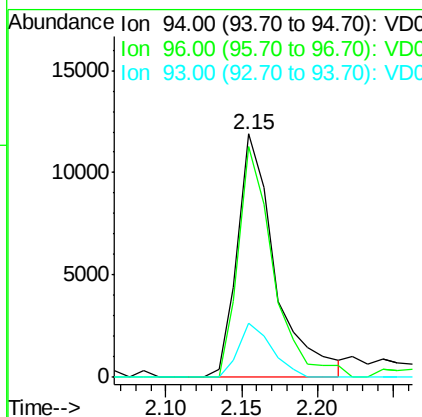
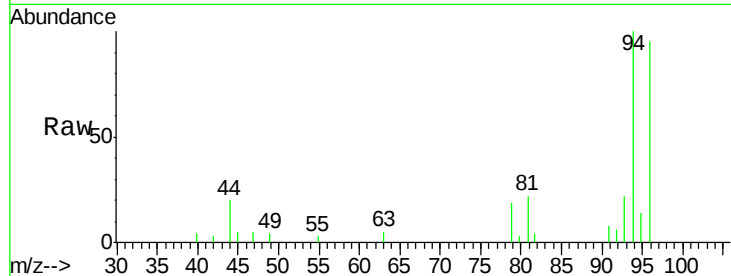




#5
Bromomethane
Concen: 19.087 ug/l
RT: 2.15 min Scan# 74
Delta R.T. -0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

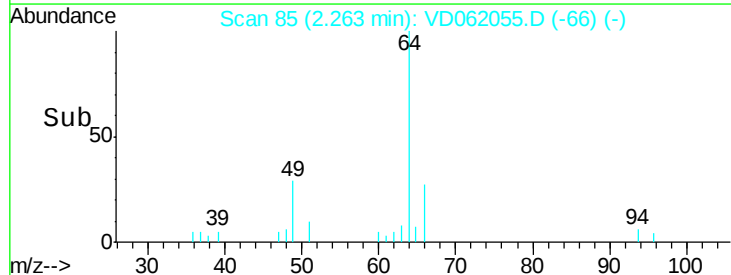
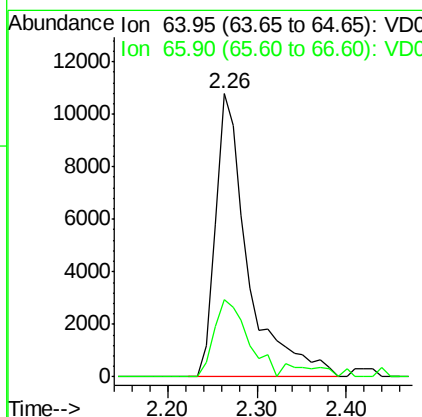
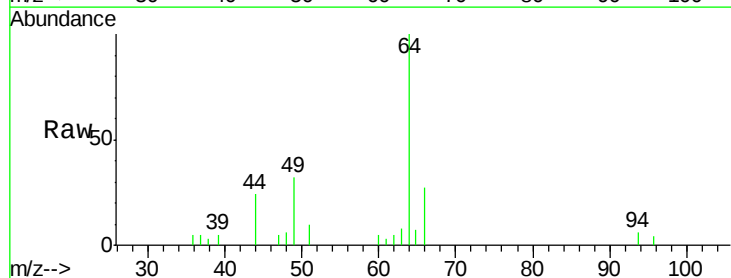
Instrument :
MSVOA_D
ClientSampleId :
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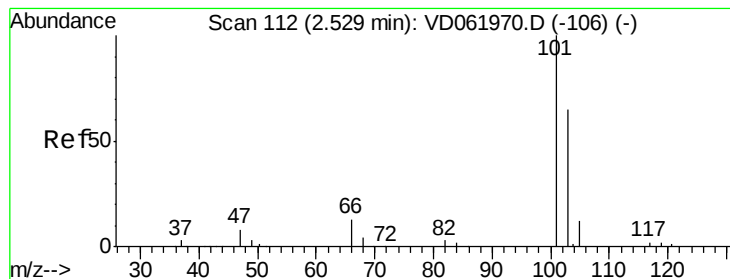
Tot Ion: 94 Resp: 20739
Ion Ratio Lower Upper
94 100
96 94.6 76.6 115.0
93 22.3 18.5 27.7



#6
Chloroethane
Concen: 20.904 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 64 Resp: 27344
Ion Ratio Lower Upper
64 100
66 27.3 25.6 38.4



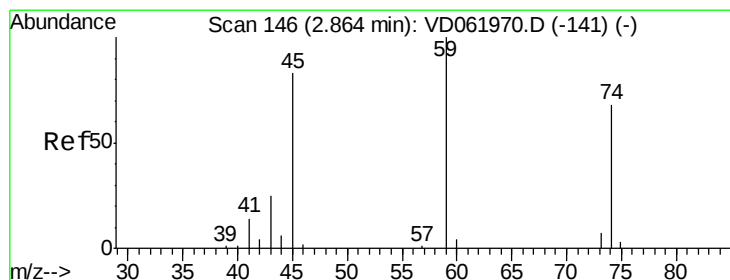
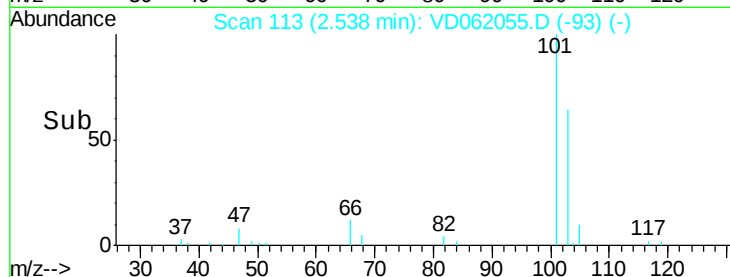
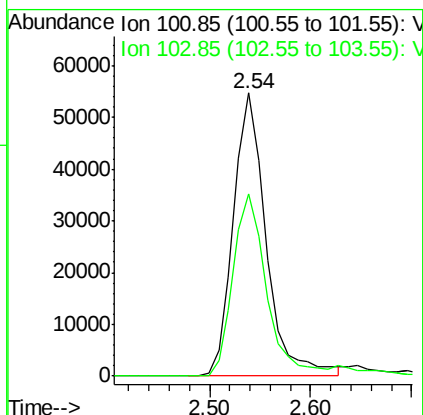
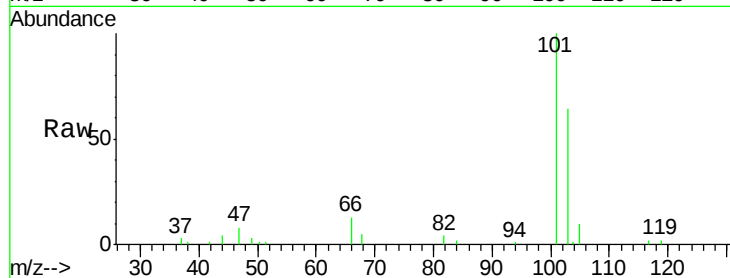


#7

Trichlorofluoromethane
 Concen: 22.607 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

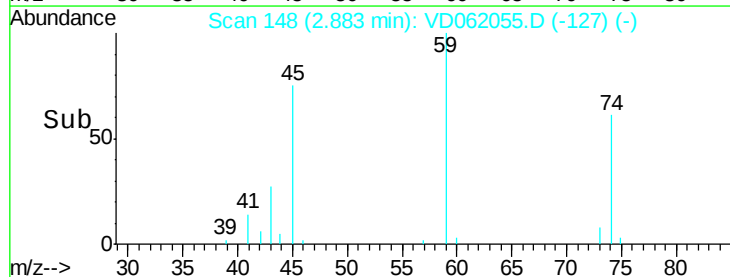
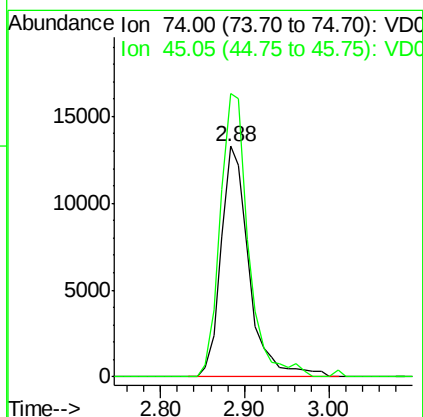
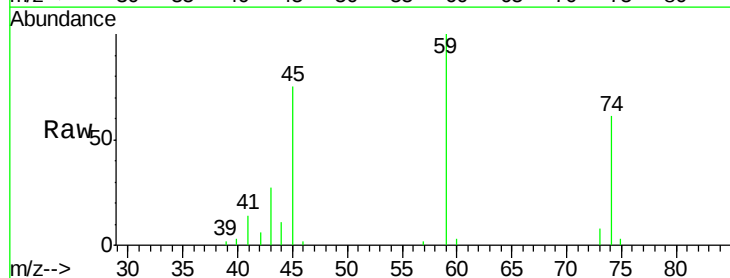
Tot Ion: 101 Resp: 123694
 Ion Ratio Lower Upper
 101 100
 103 64.2 53.6 80.4

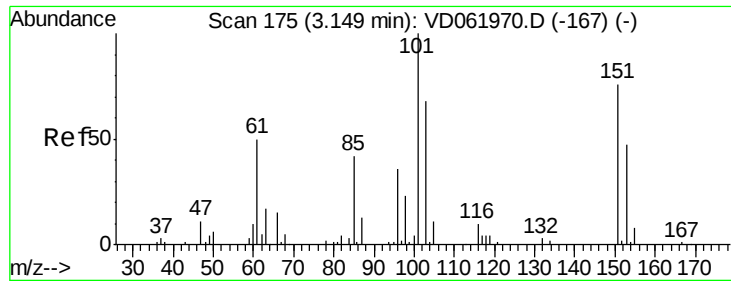


#8

Diethyl Ether
 Concen: 20.888 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 74 Resp: 30631
 Ion Ratio Lower Upper
 74 100
 45 122.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.085 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

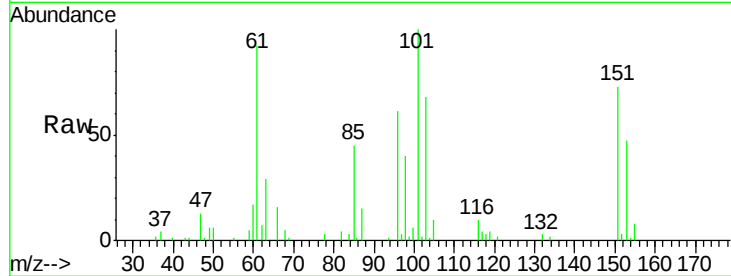
Tot Ion:101 Resp: 111313

Ion Ratio Lower Upper

101 100

85 44.6 32.4 48.6

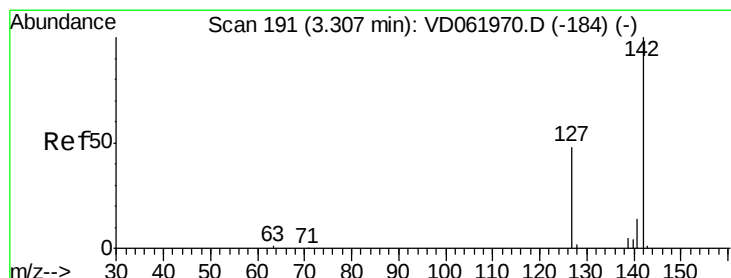
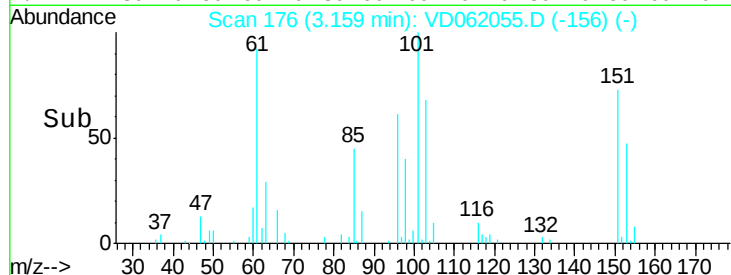
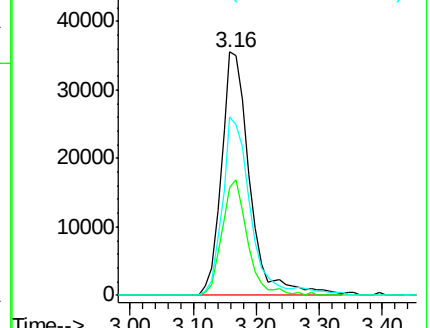
151 73.2 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.945 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

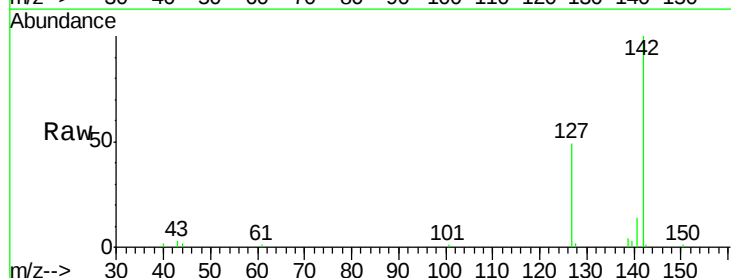
Tgt Ion:142 Resp: 116431

Ion Ratio Lower Upper

142 100

127 49.2 38.8 58.2

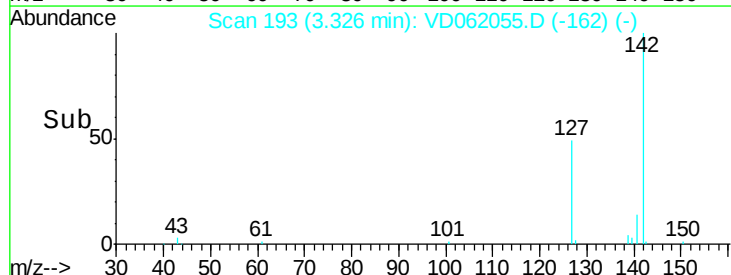
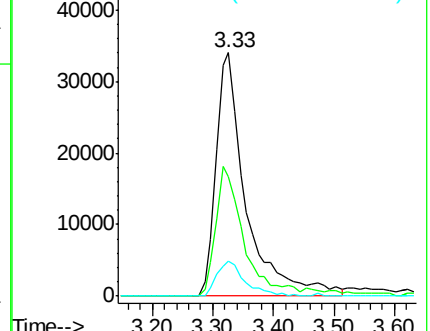
141 14.2 11.4 17.0

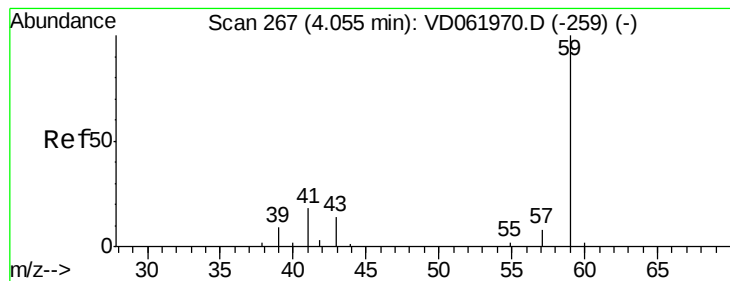


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



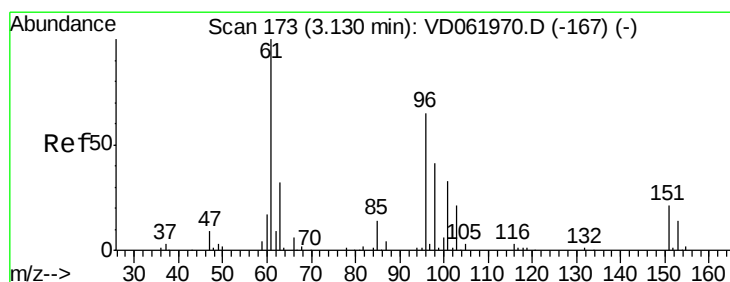
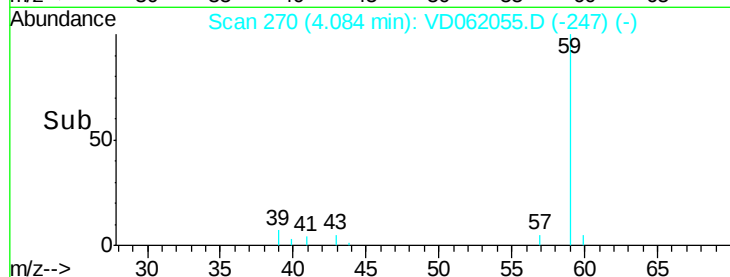
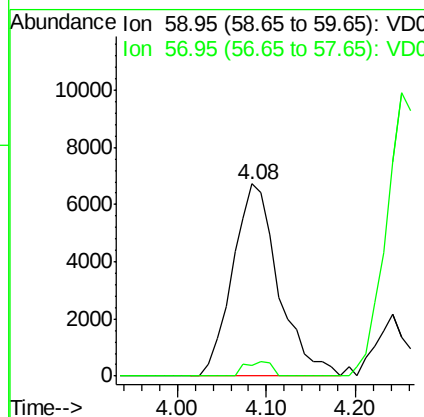
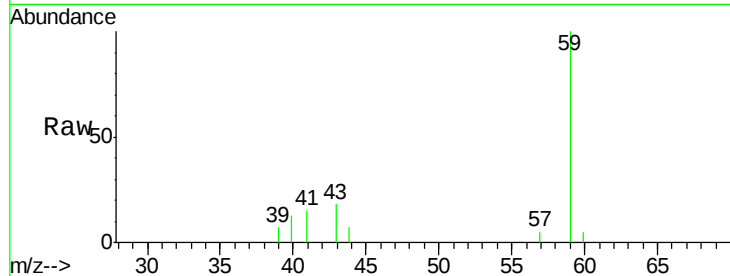


#11

Tert butyl alcohol
 Concen: 103.337 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

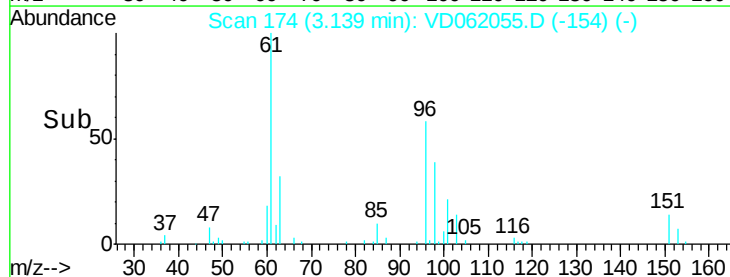
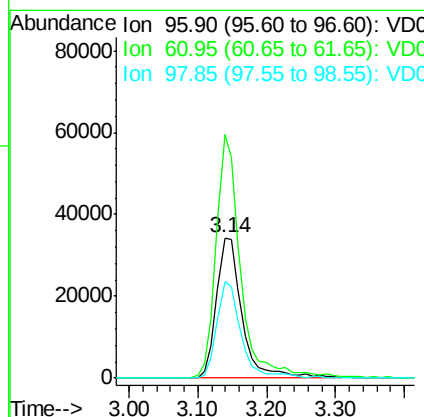
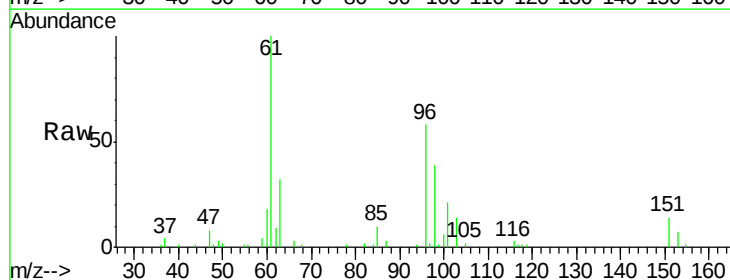
Tot Ion: 59 Resp: 24040
 Ion Ratio Lower Upper
 59 100
 57 5.4 6.9 10.3#

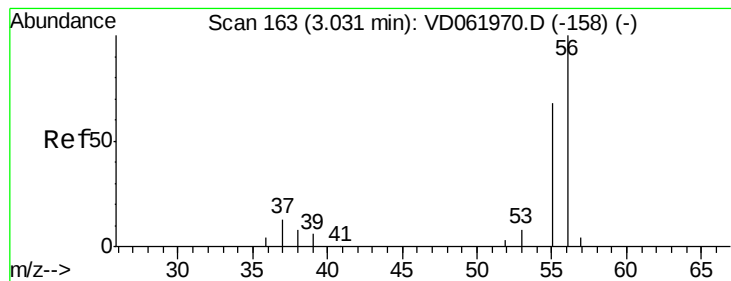


#12

1,1-Dichloroethene
 Concen: 20.685 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. -0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 96 Resp: 88700
 Ion Ratio Lower Upper
 96 100
 61 173.5 129.8 194.8
 98 68.3 51.2 76.8





#13

Acrolein

Concen: 97.706 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

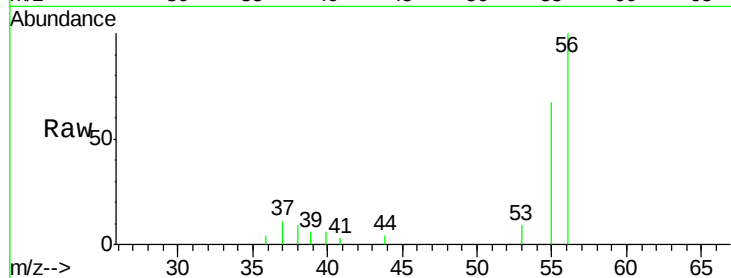
VD0426SBS01

Tot Ion: 56 Resp: 23584

Ion Ratio Lower Upper

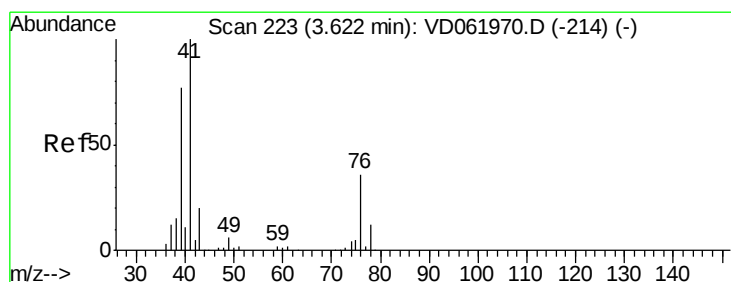
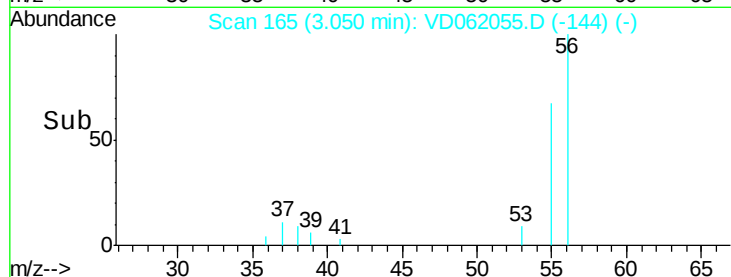
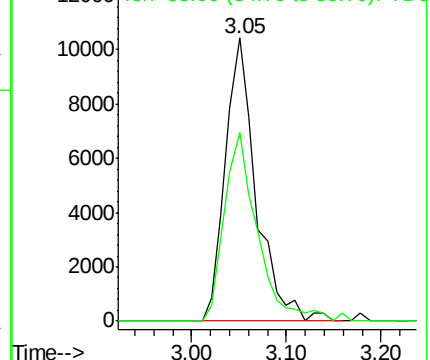
56 100

55 66.6 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.461 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

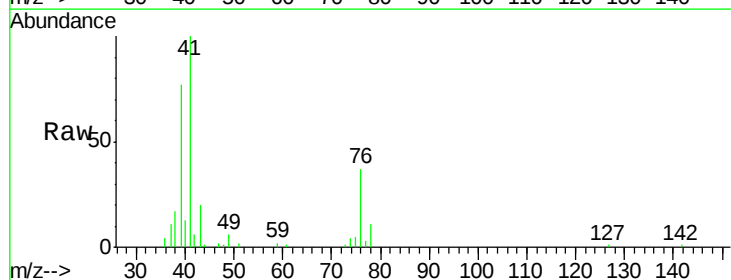
Tgt Ion: 41 Resp: 119810

Ion Ratio Lower Upper

41 100

39 77.1 60.5 90.7

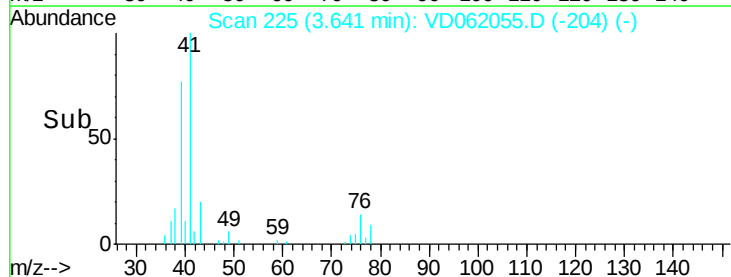
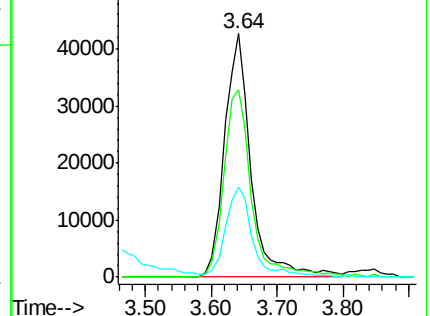
76 36.9 31.8 47.8

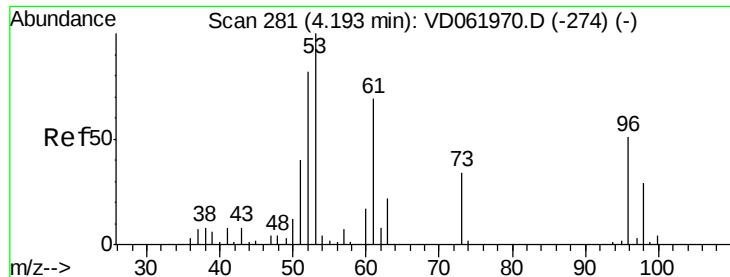


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 95.799 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

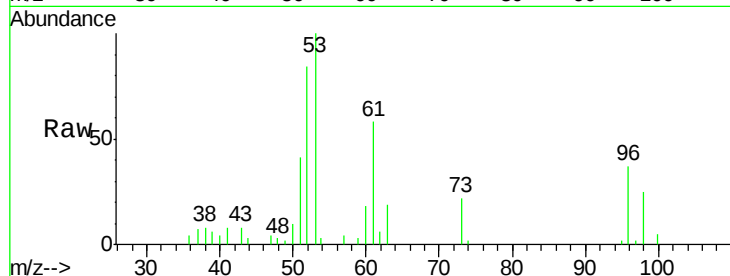
Tot Ion: 53 Resp: 69011

Ion Ratio Lower Upper

53 100

52 84.4 65.0 97.4

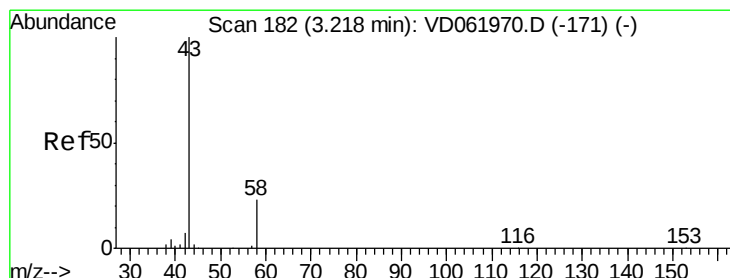
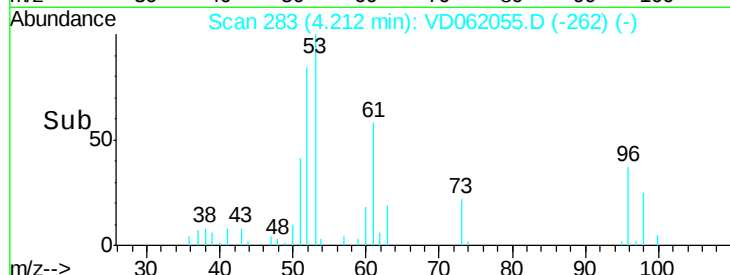
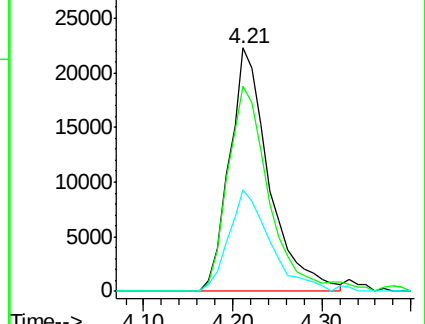
51 41.5 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 98.534 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062055.D

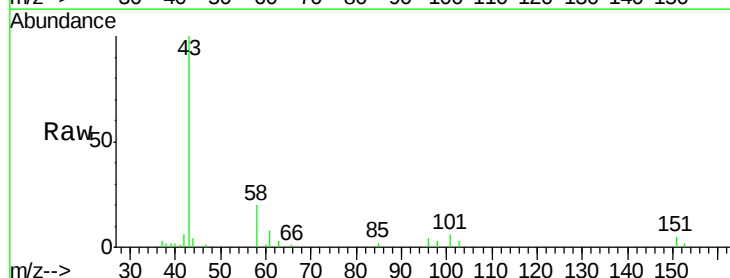
Acq: 26 Apr 2019 12:05

Tgt Ion: 43 Resp: 96871

Ion Ratio Lower Upper

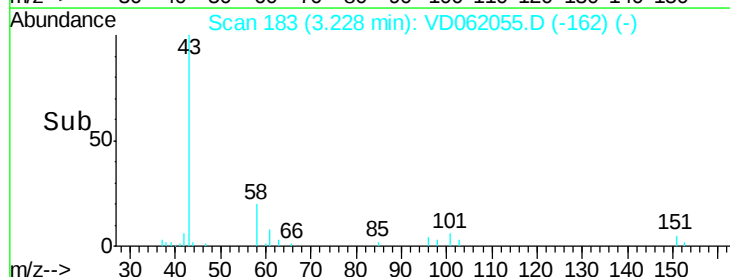
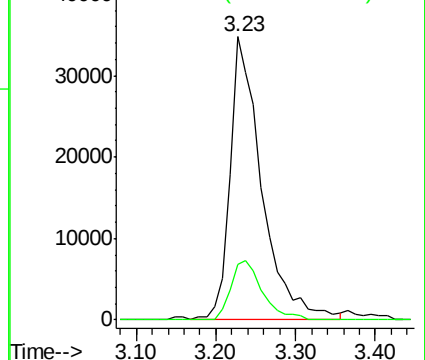
43 100

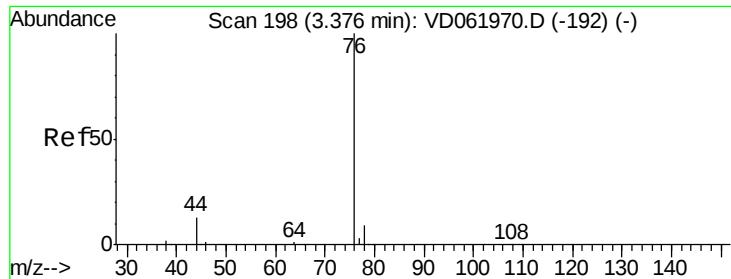
58 19.5 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

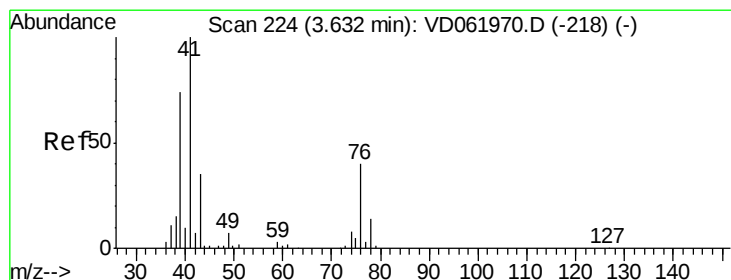
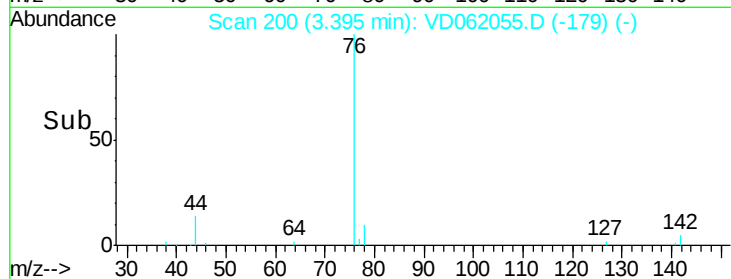
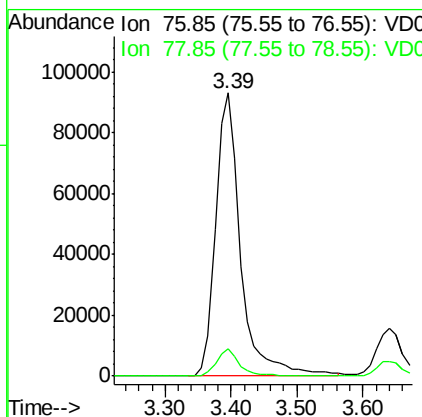
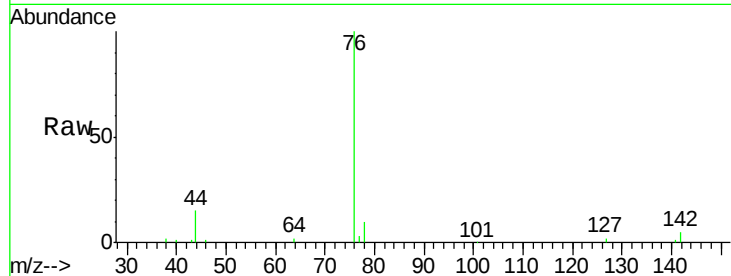




#17
Carbon Disulfide
Concen: 19.693 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

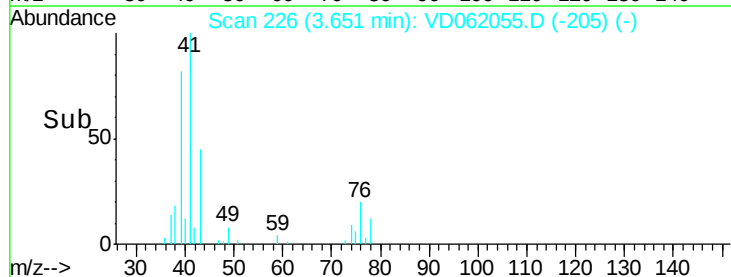
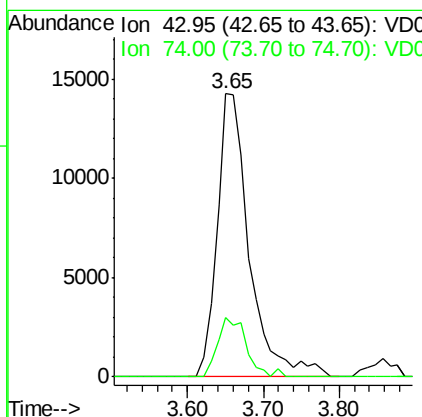
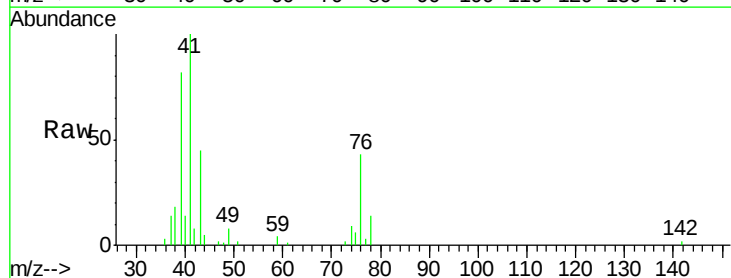
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

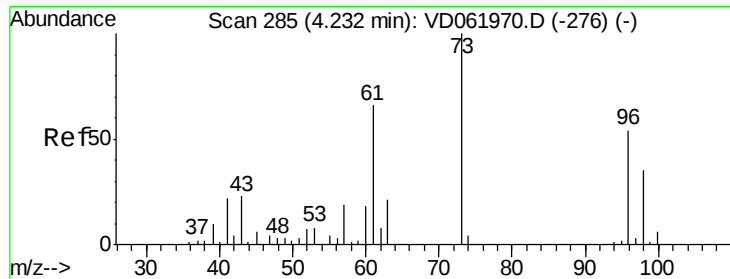
Tot Ion: 76 Resp: 244023
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 22.343 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 43 Resp: 41969
Ion Ratio Lower Upper
43 100
74 20.8 18.0 27.0

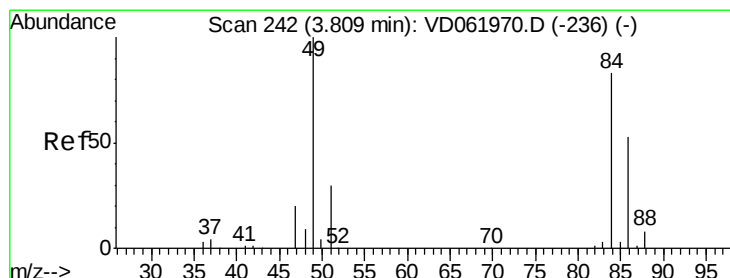
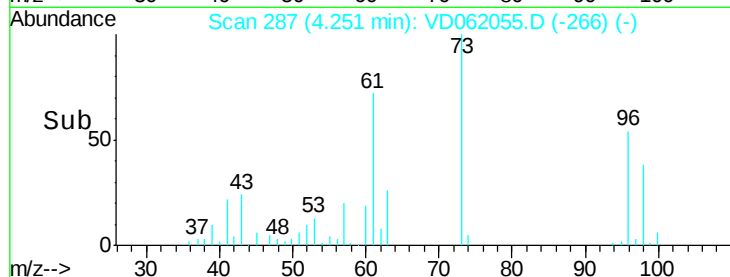
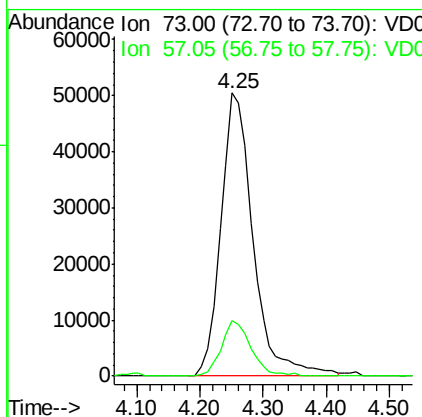
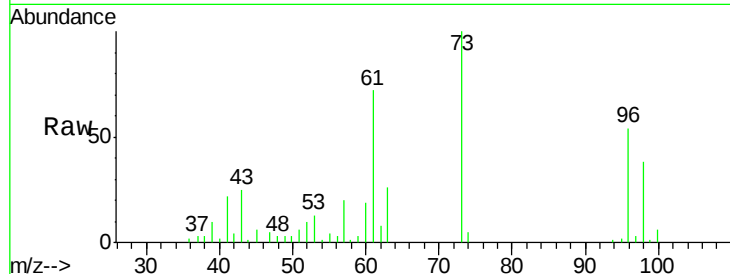




#19
Methvl tert-butvl Ether
Concen: 20.994 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

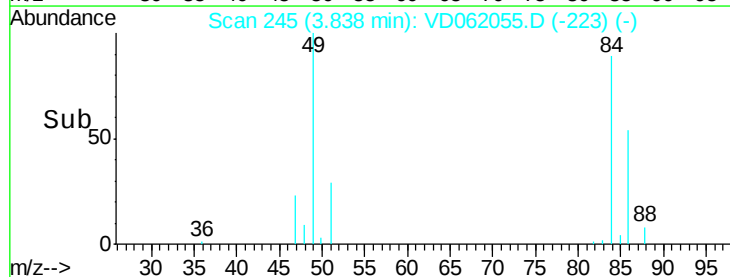
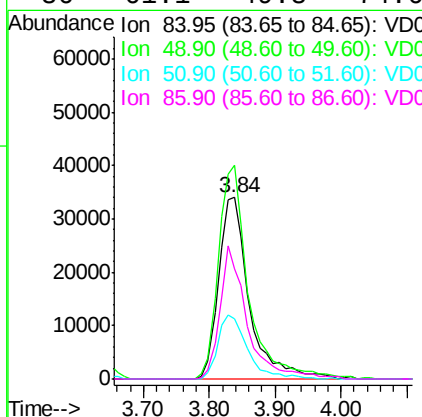
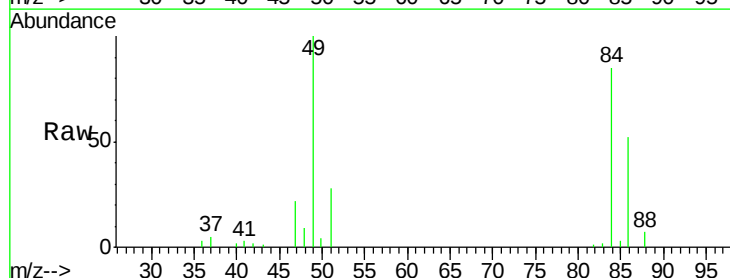
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

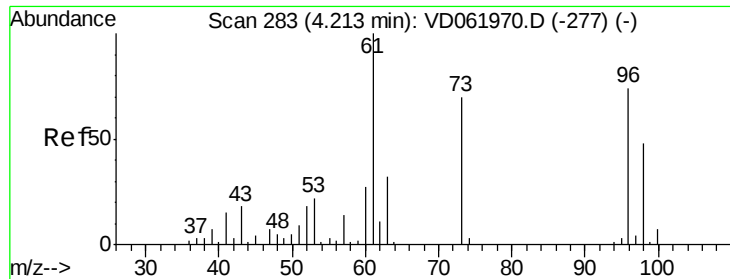
Tot Ion: 73 Resp: 178622
Ion Ratio Lower Upper
73 100
57 19.6 16.3 24.5



#20
Methylene Chloride
Concen: 21.147 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 84 Resp: 110018
Ion Ratio Lower Upper
84 100
49 117.8 94.0 141.0
51 32.9 29.0 43.4
86 61.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.961 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

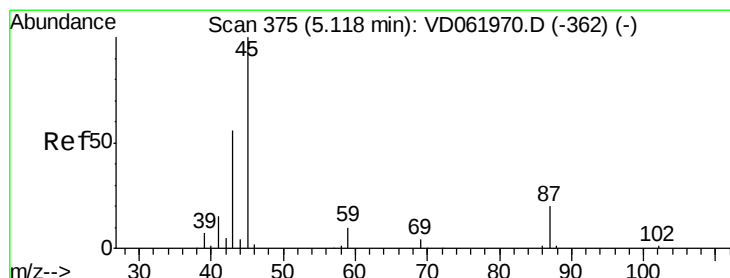
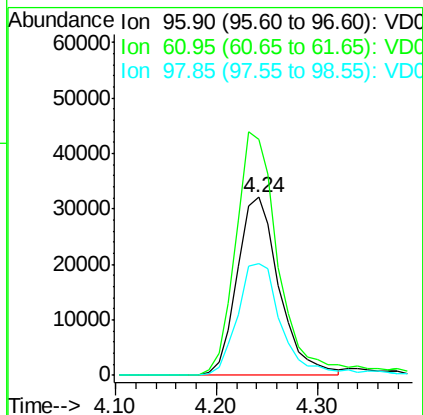
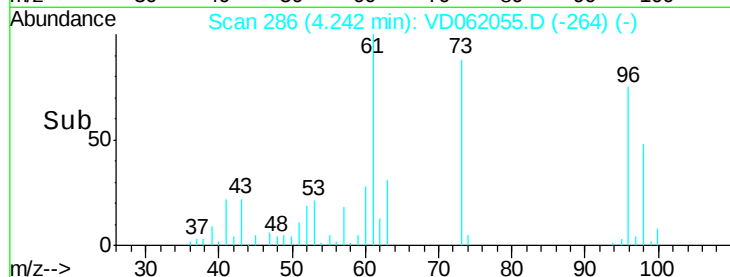
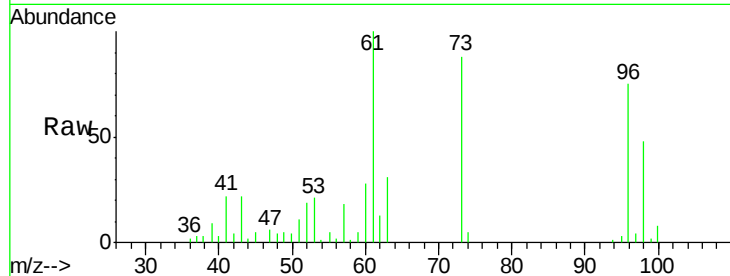
Tot Ion: 96 Resp: 93274

Ion Ratio Lower Upper

96 100

61 132.5 104.4 156.6

98 63.0 51.8 77.8



#22

Diisopropyl ether

Concen: 19.013 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Tgt Ion: 45 Resp: 259925

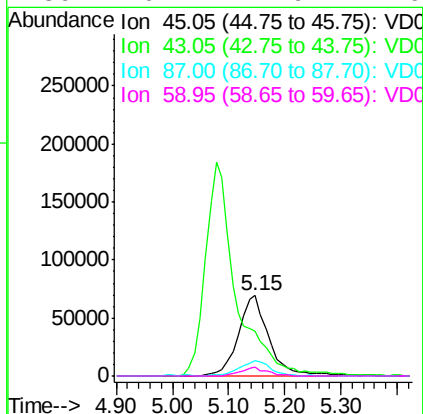
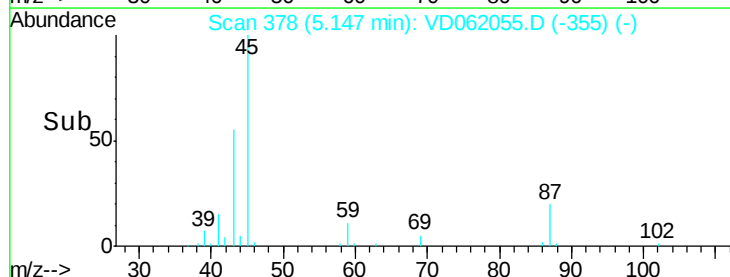
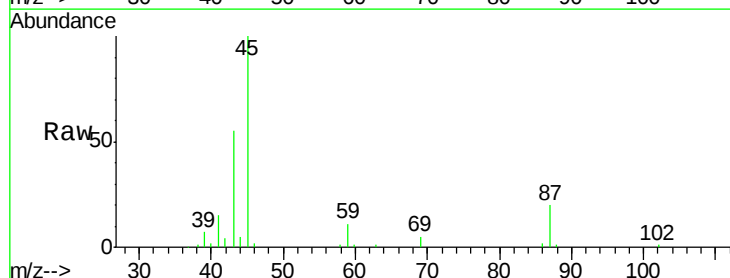
Ion Ratio Lower Upper

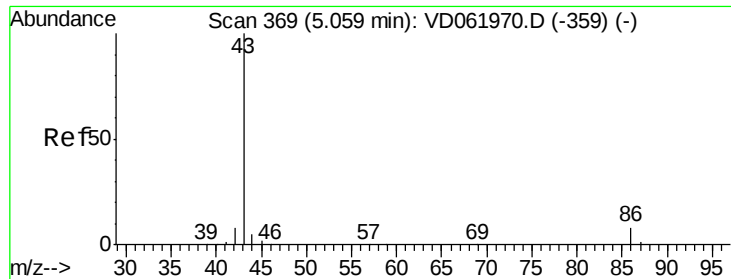
45 100

43 55.3 46.2 69.2

87 19.8 15.9 23.9

59 10.7 7.9 11.9





#23

Vinyl Acetate

Concen: 97.272 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

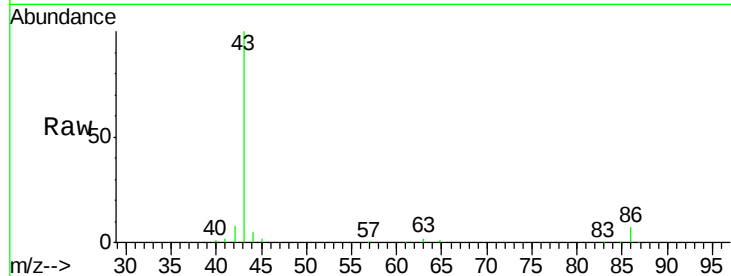
VD0426SBS01

Tot Ion: 43 Resp: 692511

Ion Ratio Lower Upper

43 100

86 7.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

200000

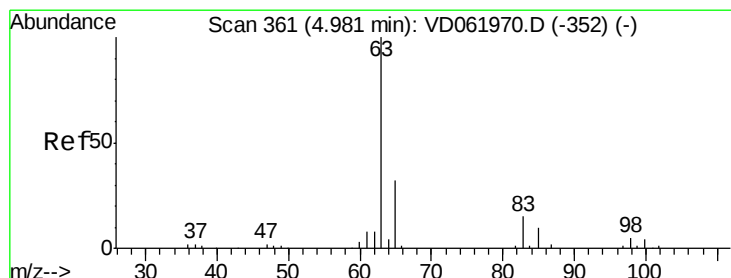
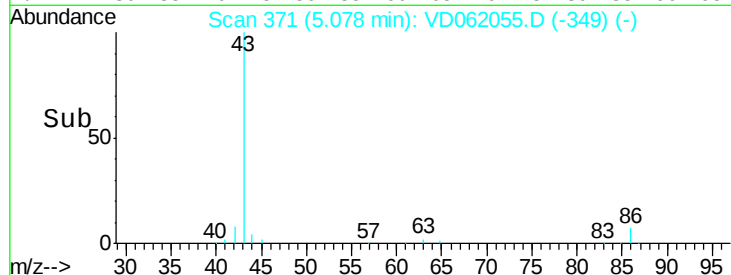
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.449 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

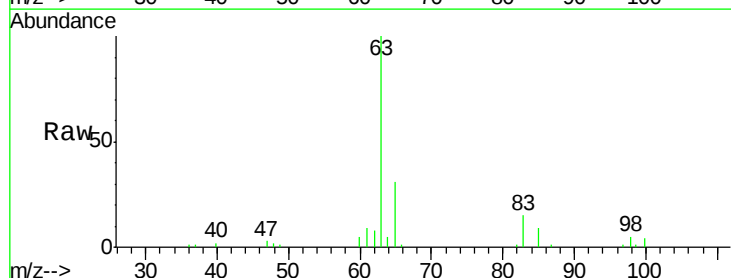
Tgt Ion: 63 Resp: 168968

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.8 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

5.01

60000

50000

40000

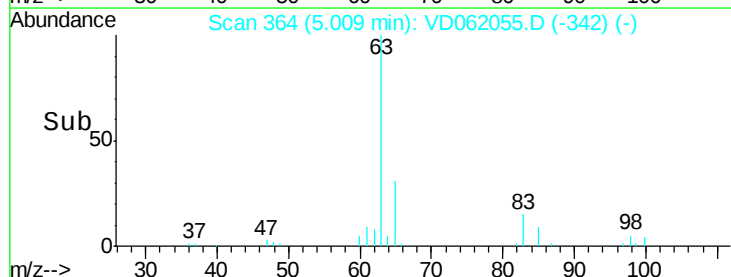
30000

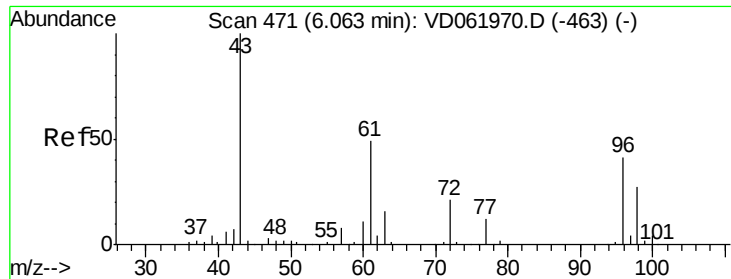
20000

10000

0

Time-->





#25

2-Butanone

Concen: 91.432 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

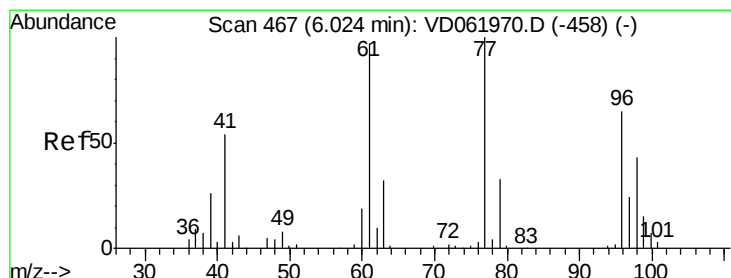
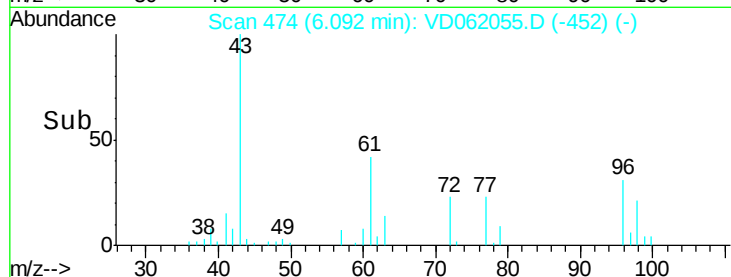
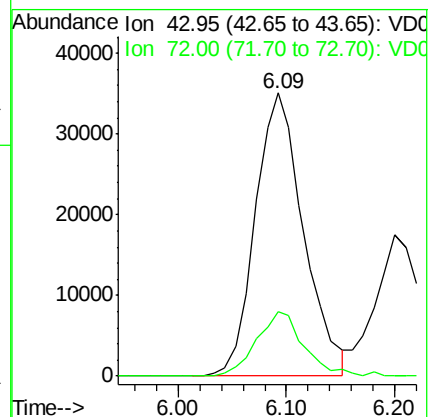
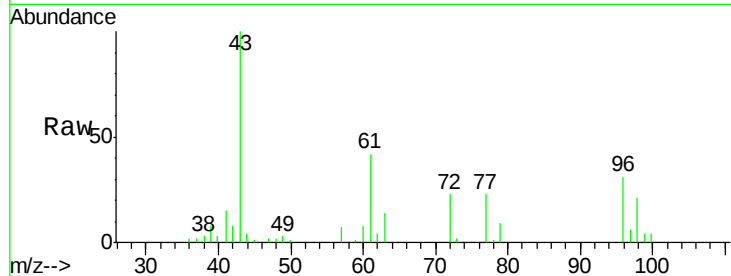
VD0426SBS01

Tot Ion: 43 Resp: 108983

Ion Ratio Lower Upper

43 100

72 22.7 16.2 24.4



#26

2,2-Dichloropropane

Concen: 21.223 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD062055.D

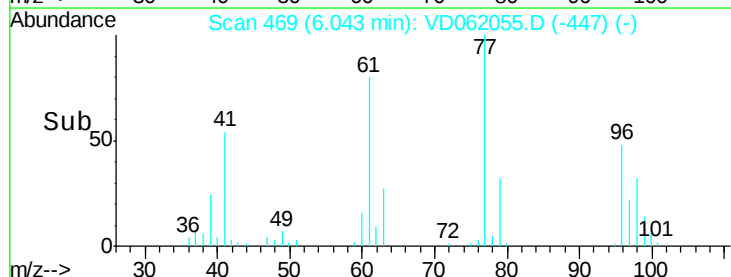
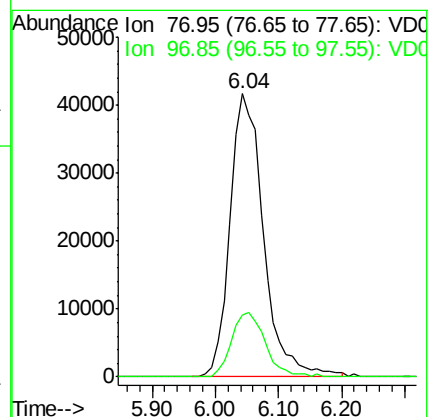
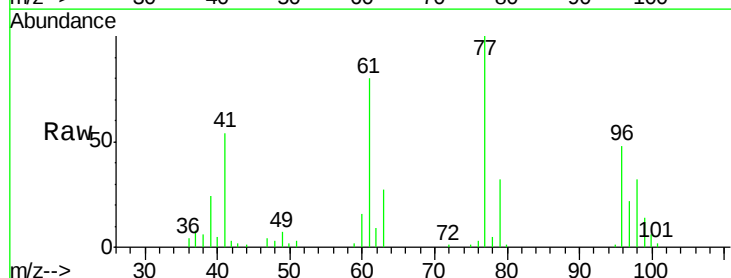
Acq: 26 Apr 2019 12:05

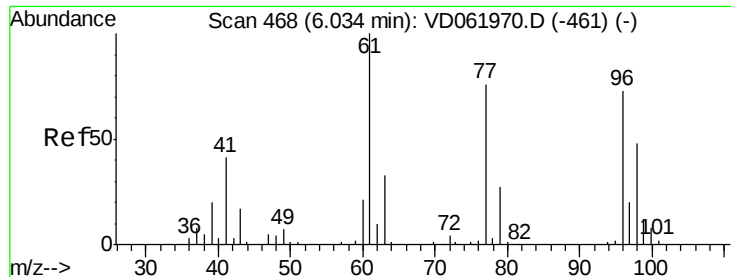
Tgt Ion: 77 Resp: 152982

Ion Ratio Lower Upper

77 100

97 22.1 11.9 35.9



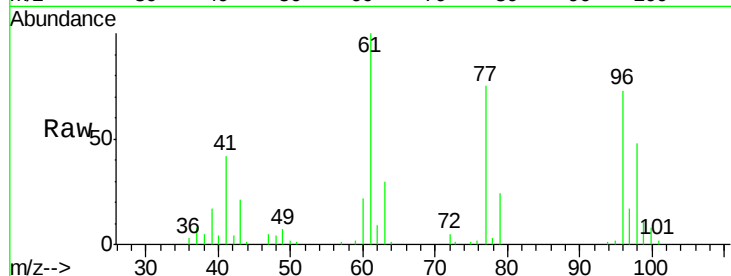


#27

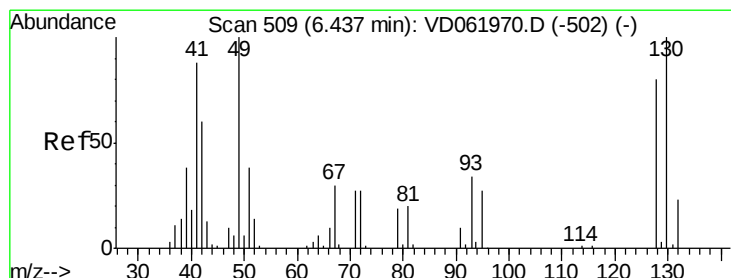
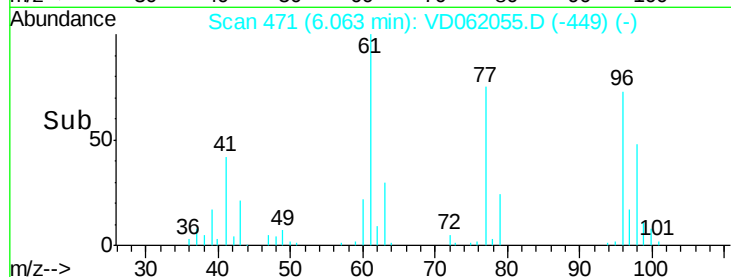
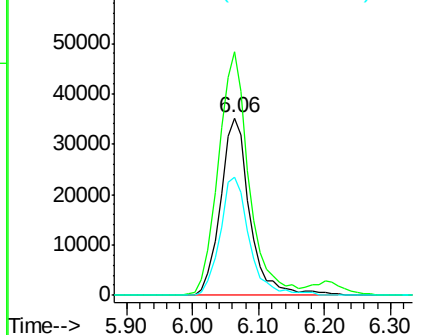
cis-1,2-Dichloroethene
Concen: 19.480 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

Tot Ion: 96 Resp: 109015
Ion Ratio Lower Upper
96 100
61 137.4 0.0 279.8
98 66.5 0.0 136.0



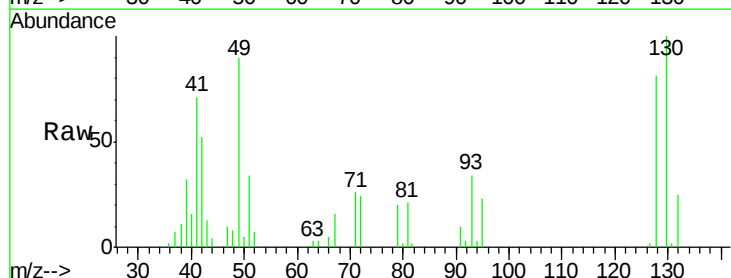
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



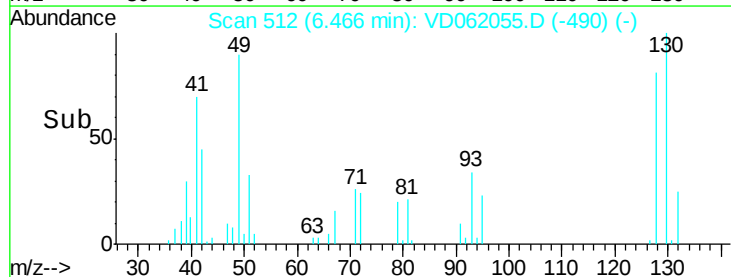
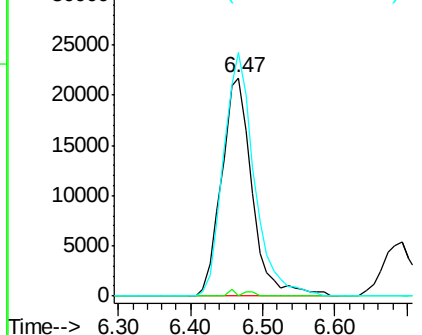
#28

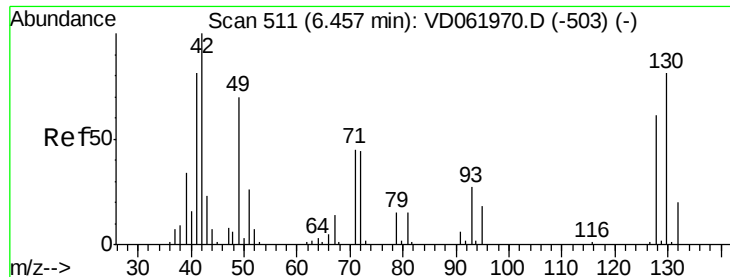
Bromochloromethane
Concen: 20.214 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 49 Resp: 63907
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 111.4 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 93.881 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

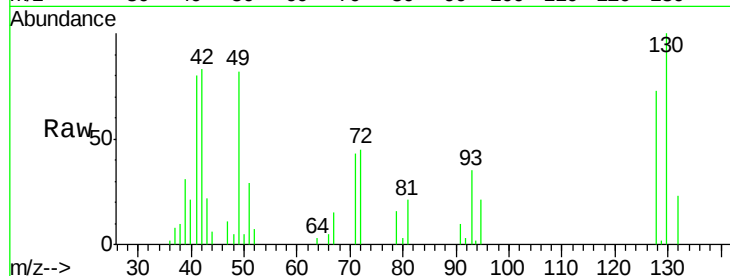
Tot Ion: 42 Resp: 55137

Ion Ratio Lower Upper

42 100

72 48.3 37.8 56.6

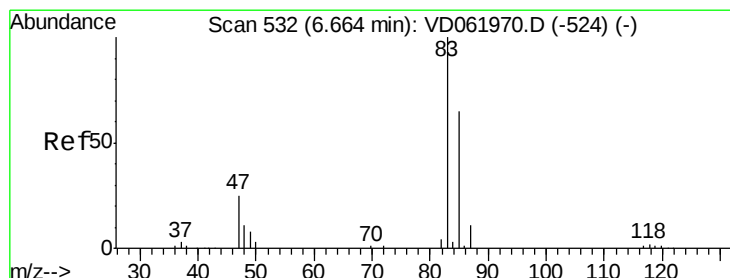
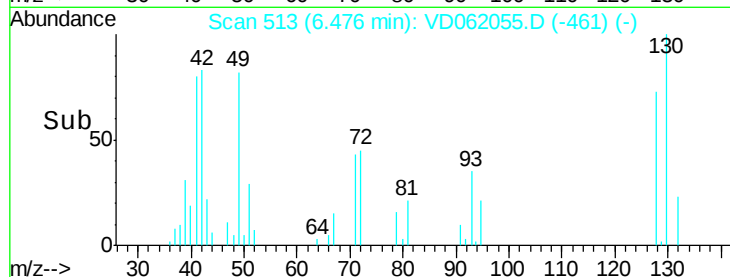
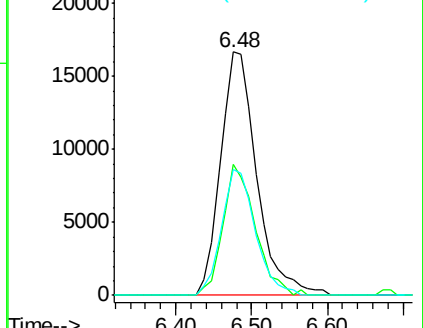
71 48.6 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.086 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD062055.D

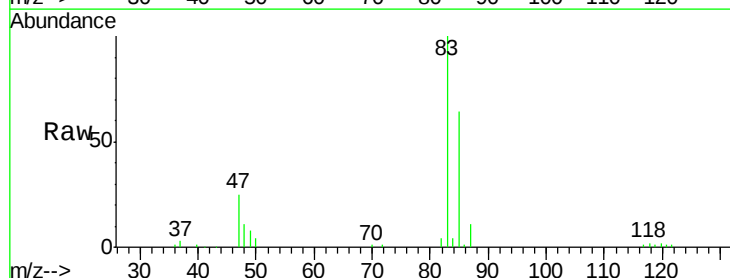
Acq: 26 Apr 2019 12:05

Tgt Ion: 83 Resp: 197898

Ion Ratio Lower Upper

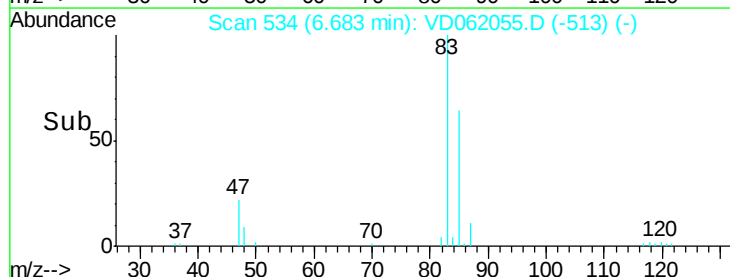
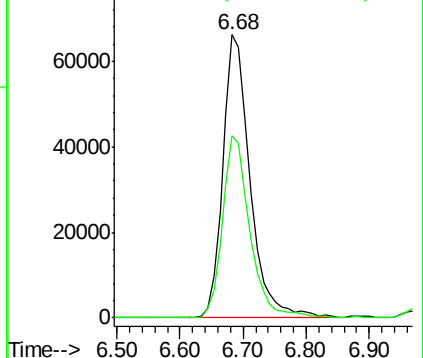
83 100

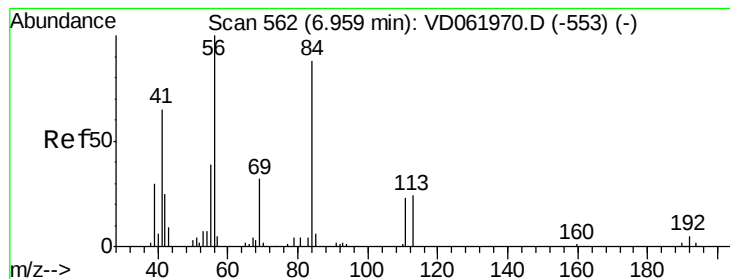
85 64.2 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 18.258 ug/l

RT: 6.99 min Scan# 565

Delta R.T. 0.02 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

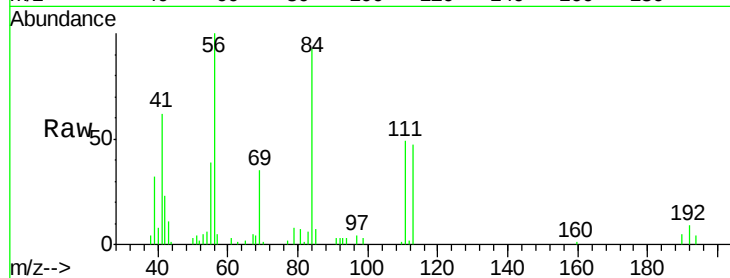
Tot Ion: 56 Resp: 111977

Ion Ratio Lower Upper

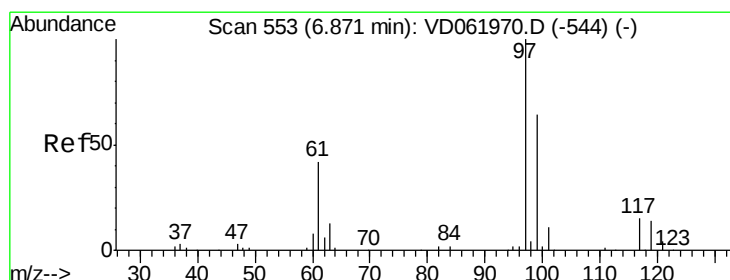
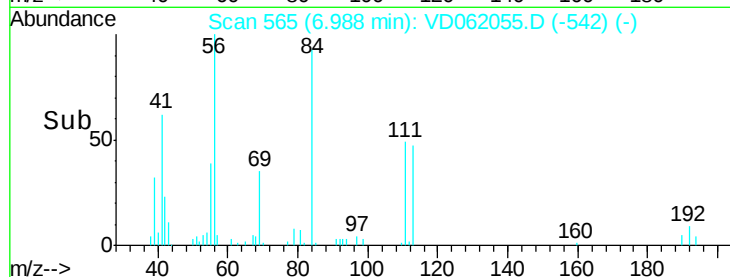
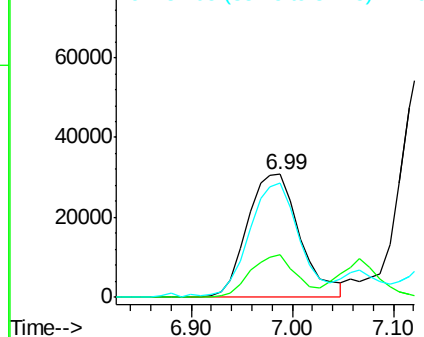
56 100

69 34.6 25.8 38.6

84 93.4 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 20.686 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

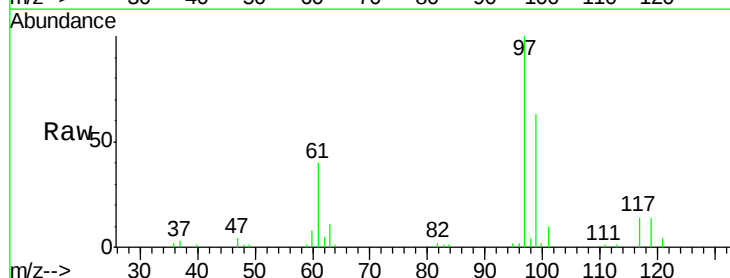
Tgt Ion: 97 Resp: 168917

Ion Ratio Lower Upper

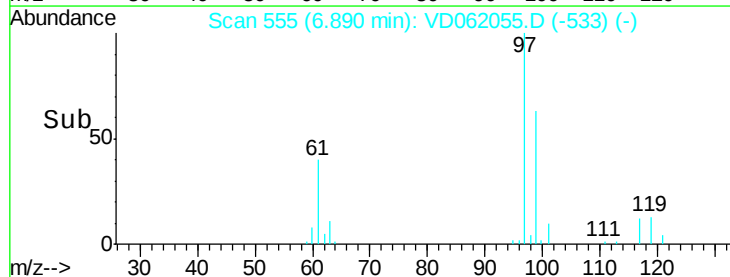
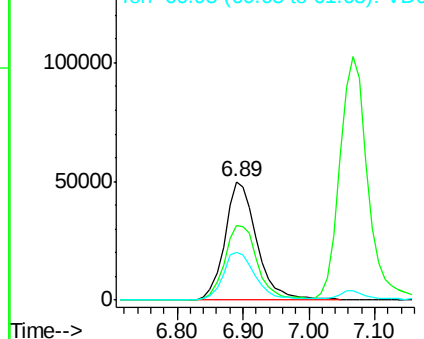
97 100

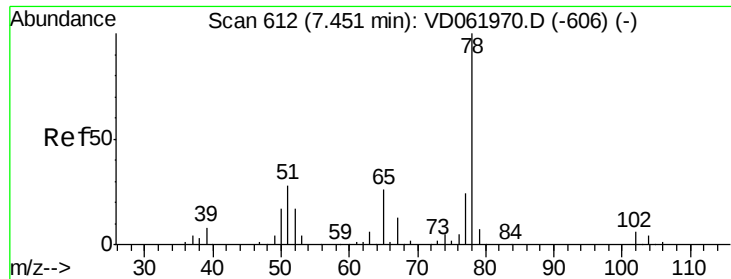
99 63.4 52.2 78.2

61 39.9 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 53.428 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

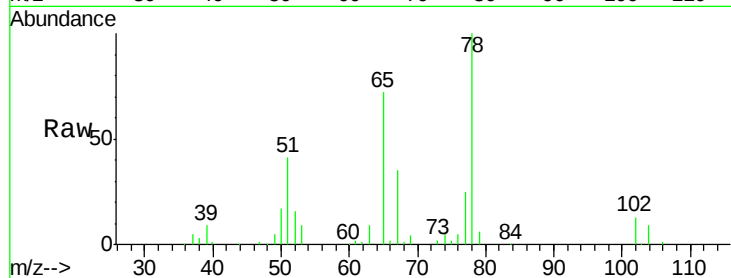
VD0426SBS01

Tot Ion: 65 Resp: 219986

Ion Ratio Lower Upper

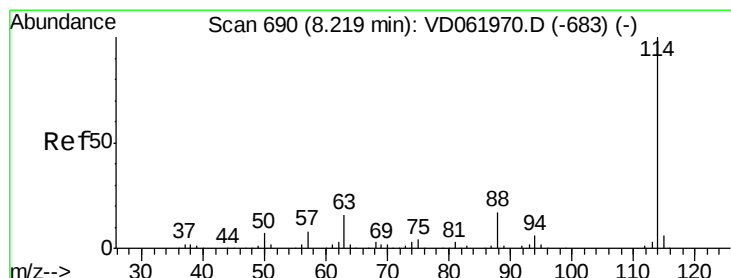
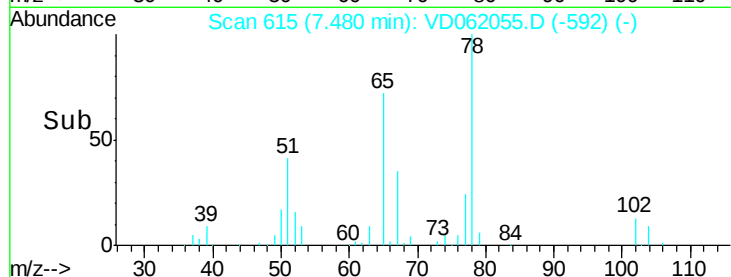
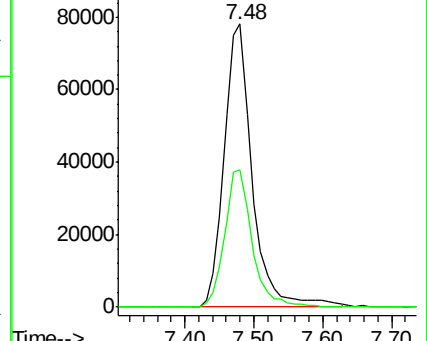
65 100

67 48.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

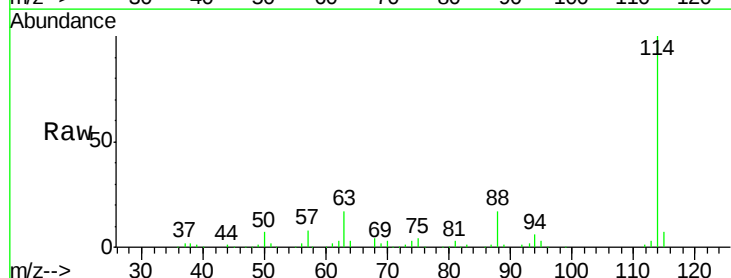
Tgt Ion: 114 Resp: 796020

Ion Ratio Lower Upper

114 100

63 16.6 0.0 32.4

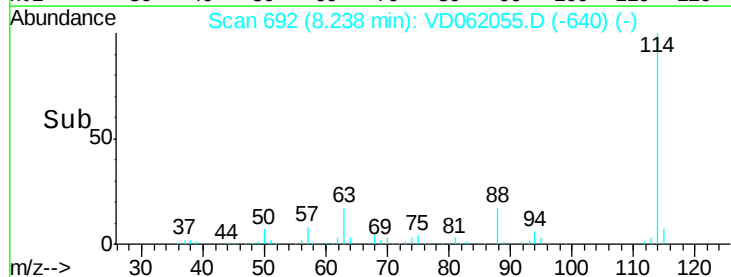
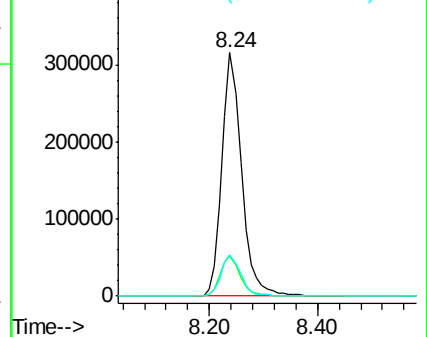
88 17.1 0.0 33.6

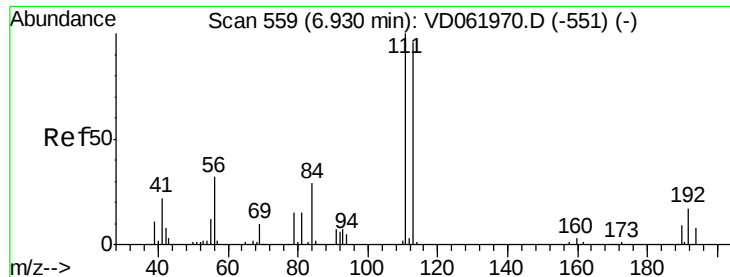


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

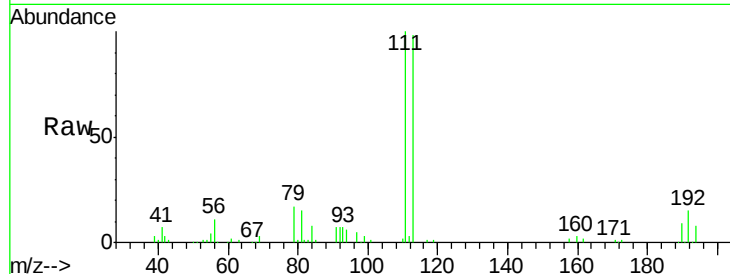




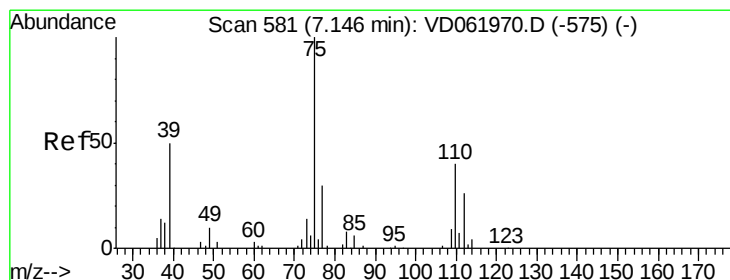
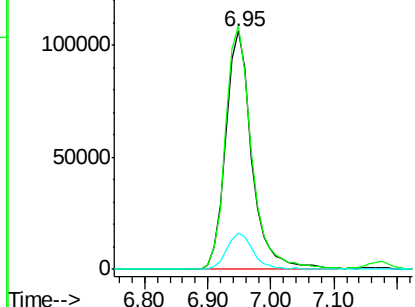
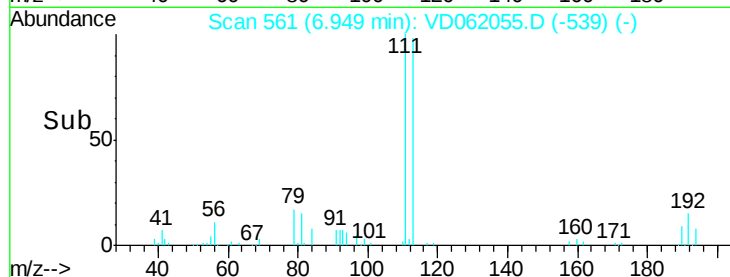
#35
 Dibromofluoromethane
 Concen: 55.388 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	78.5	117.7
192	15.0	13.0	19.4

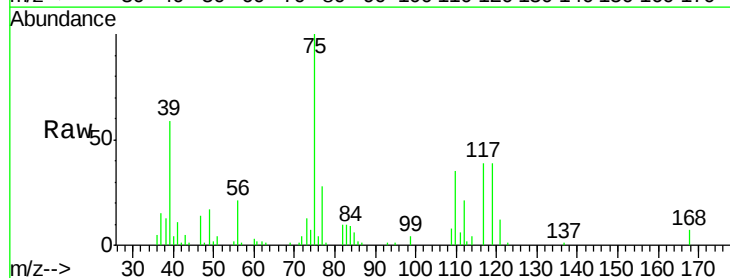


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

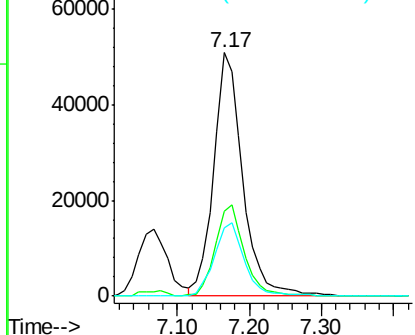
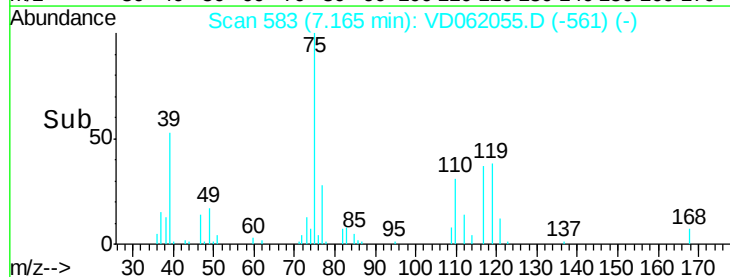


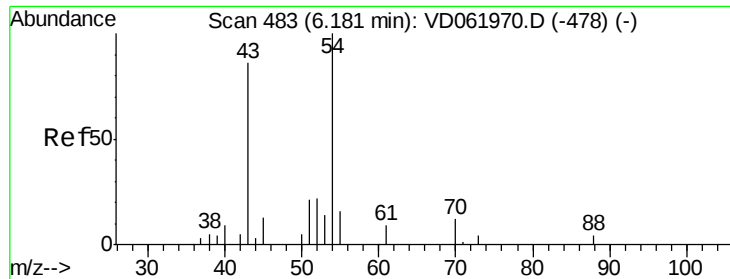
#36
 1,1-Dichloropropene
 Concen: 22.768 ug/l
 RT: 7.17 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	19.1	57.1
77	27.8	25.6	38.4



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

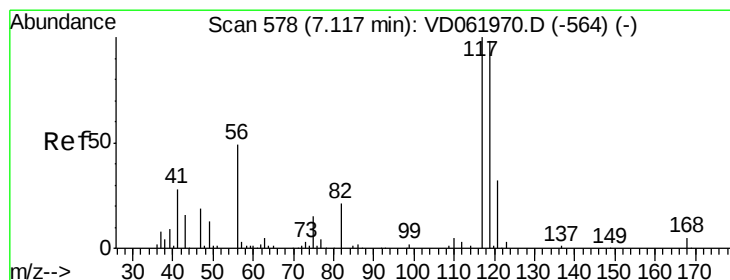
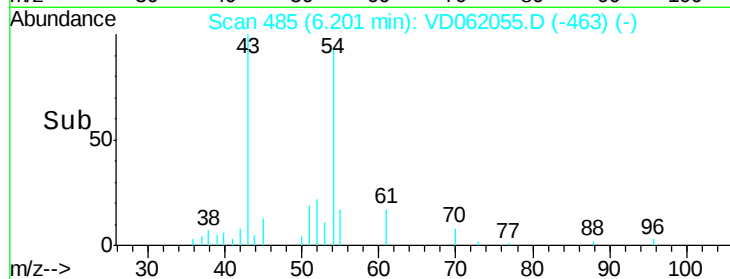
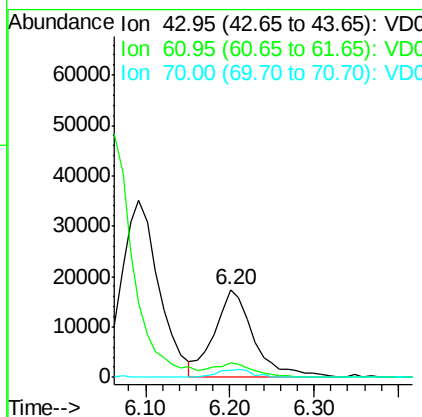
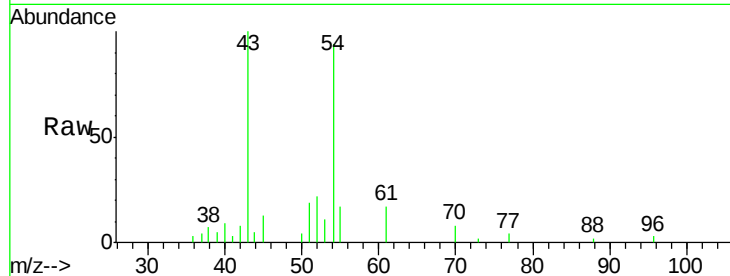




#37
Ethyl Acetate
Concen: 21.352 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

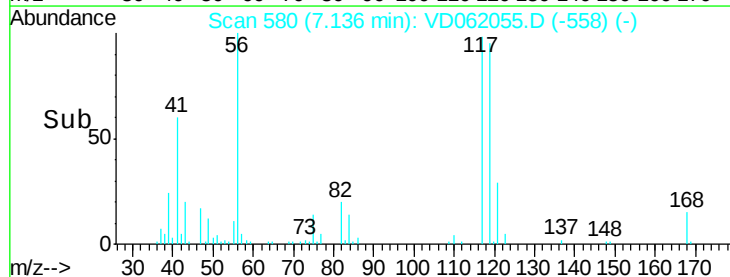
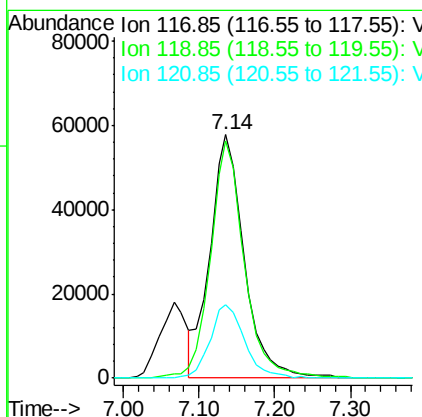
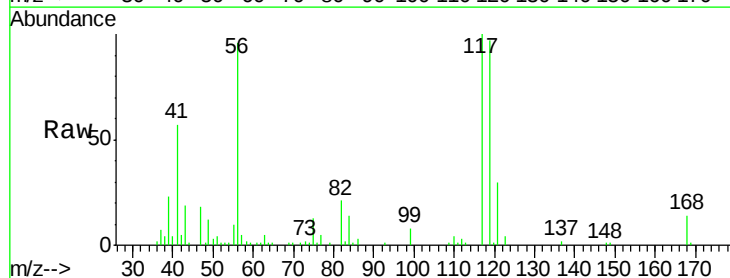
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

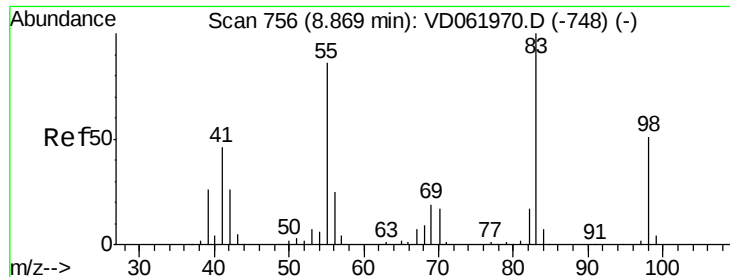
Tot Ion: 43 Resp: 56429
Ion Ratio Lower Upper
43 100
61 16.9 14.7 22.1
70 8.1 7.8 11.6



#38
Carbon Tetrachloride
Concen: 23.188 ug/l
RT: 7.14 min Scan# 580
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 117 Resp: 182233
Ion Ratio Lower Upper
117 100
119 97.4 75.8 113.8
121 30.2 25.9 38.9

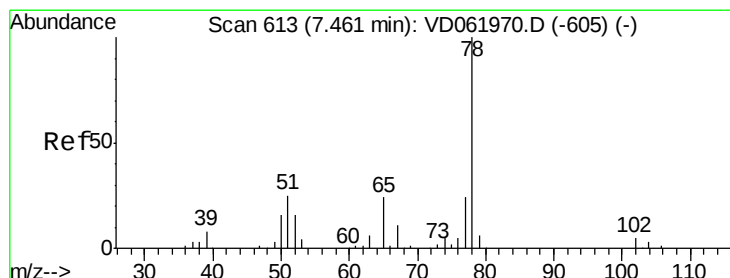
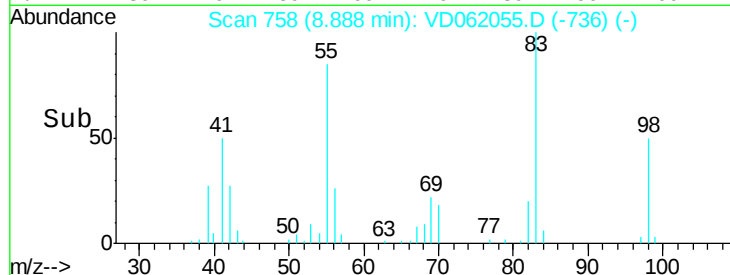
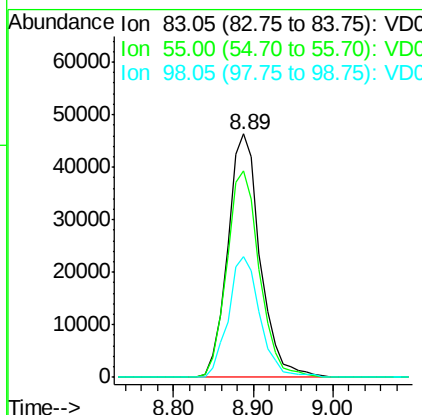
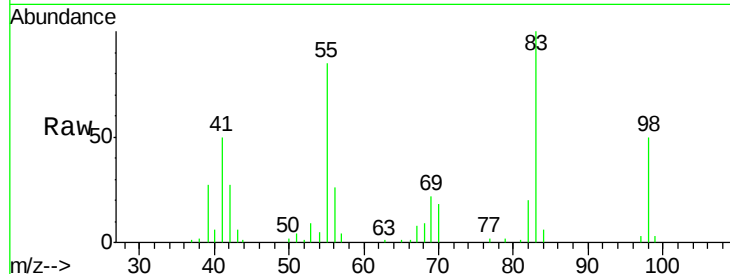




#39
Methvlcvclohexane
Concen: 21.504 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

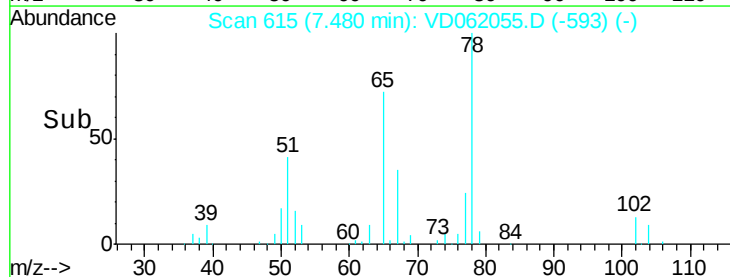
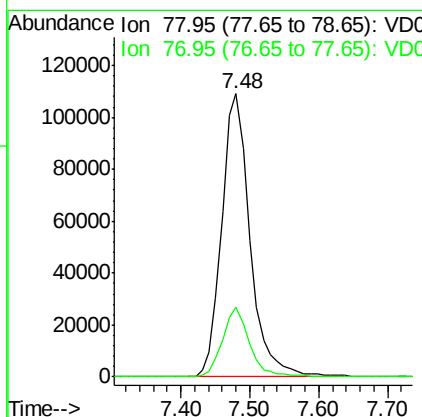
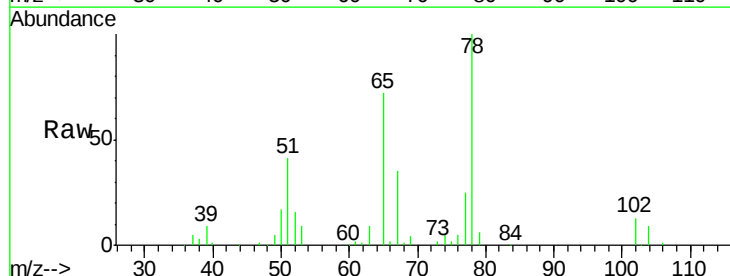
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

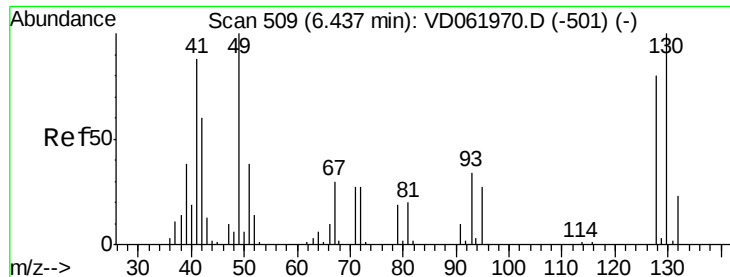
Tot Ion: 83 Resp: 131584
Ion Ratio Lower Upper
83 100
55 84.8 68.2 102.4
98 49.8 38.2 57.4



#40
Benzene
Concen: 20.291 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 78 Resp: 311550
Ion Ratio Lower Upper
78 100
77 24.5 19.7 29.5

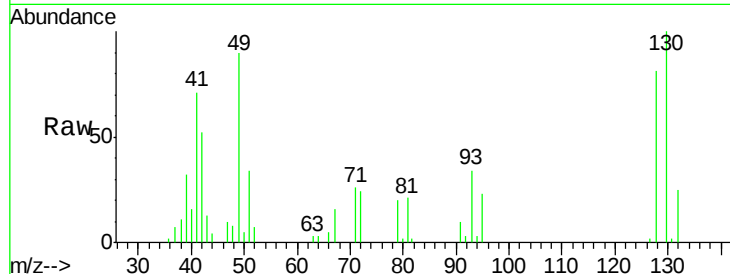




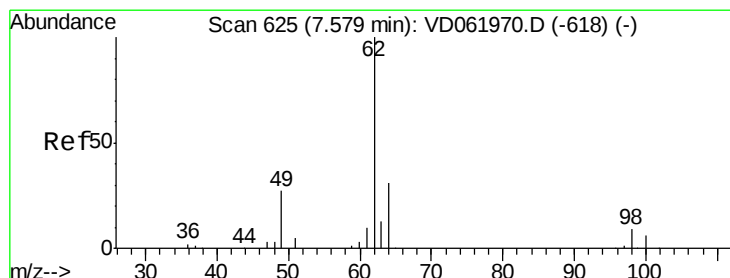
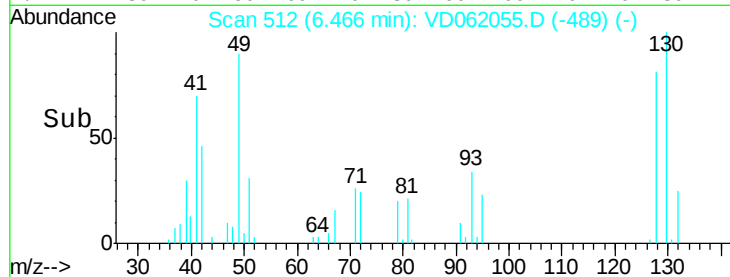
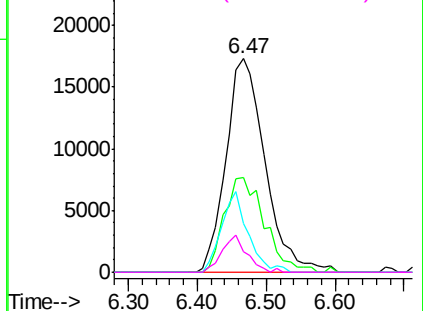
#41
Methacrylonitrile
Concen: 22.077 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

Tot Ion: 41 Resp: 68077
Ion Ratio Lower Upper
41 100
39 44.2 34.1 51.1
67 22.9 23.8 35.6#
52 9.6 8.8 13.2

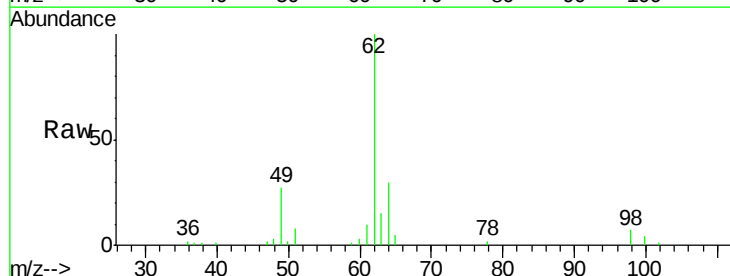


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

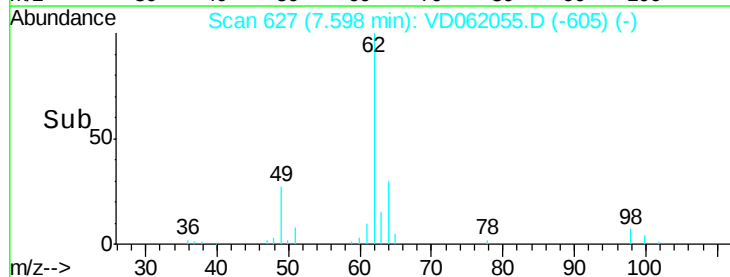
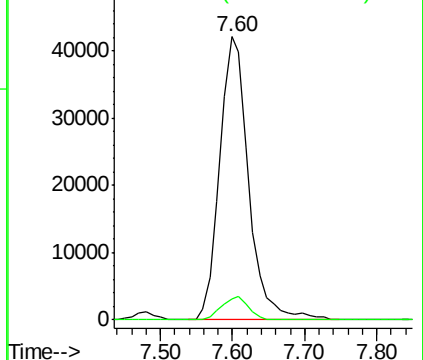


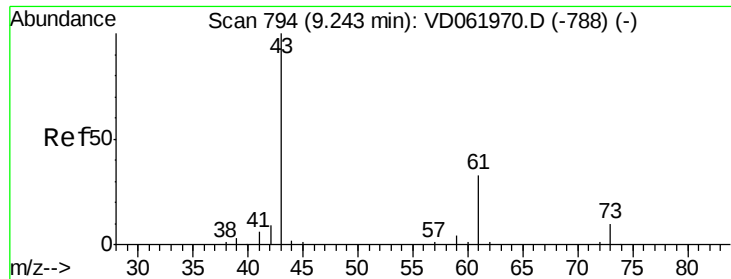
#42
1,2-Dichloroethane
Concen: 22.341 ug/l
RT: 7.60 min Scan# 627
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 62 Resp: 116469
Ion Ratio Lower Upper
62 100
98 7.5 0.0 17.8



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

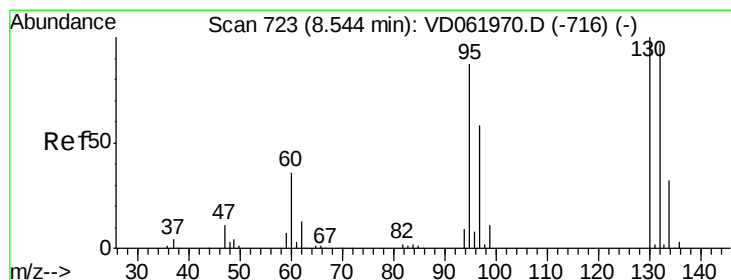
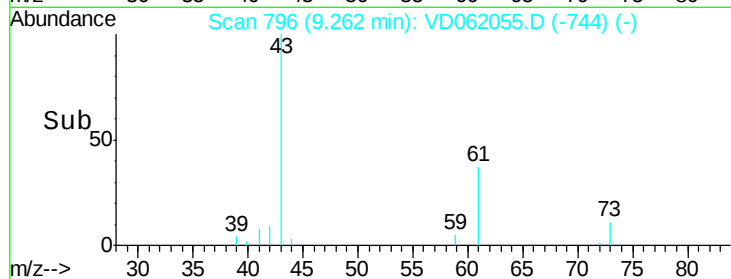
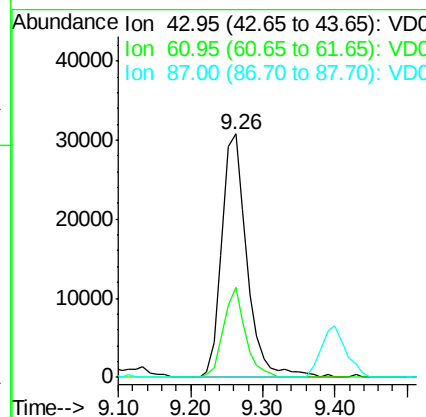
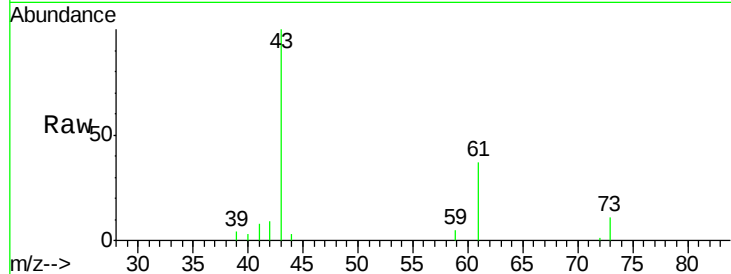




#43
Isopropyl Acetate
Concen: 19.212 ug/l
RT: 9.26 min Scan# 796
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

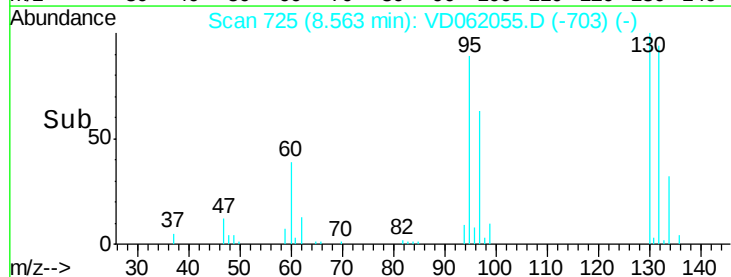
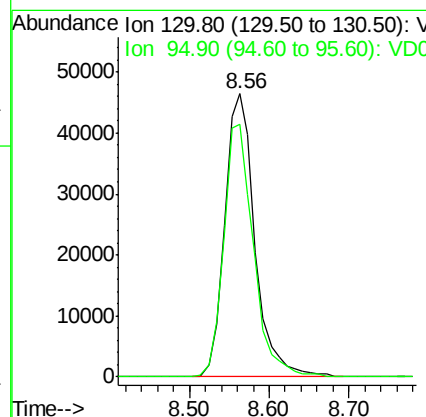
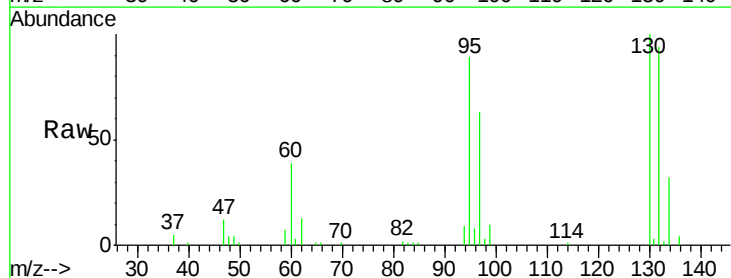
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

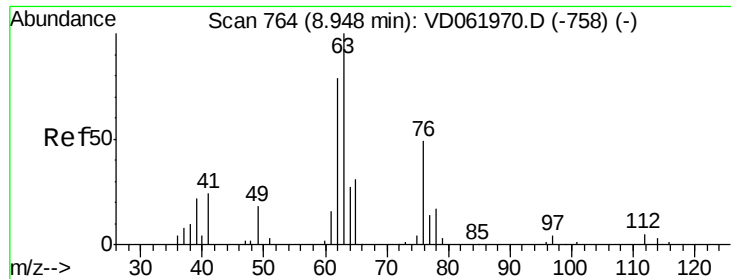
Tot Ion: 43 Resp: 74186
Ion Ratio Lower Upper
43 100
61 37.1 25.1 37.7
87 0.0 0.0 0.0



#44
Trichloroethene
Concen: 20.687 ug/l
RT: 8.56 min Scan# 725
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion:130 Resp: 123136
Ion Ratio Lower Upper
130 100
95 89.1 0.0 174.0





#45

1,2-Dichloropropane

Concen: 19.371 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

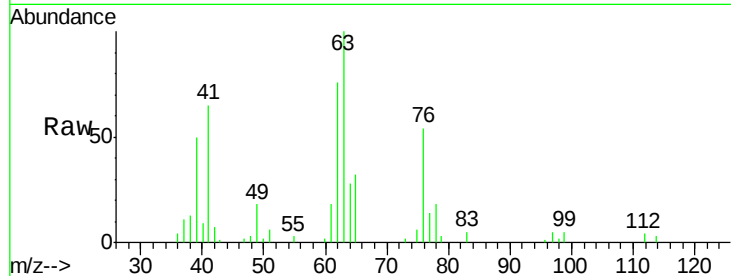
VD0426SBS01

Tot Ion: 63 Resp: 75450

Ion Ratio Lower Upper

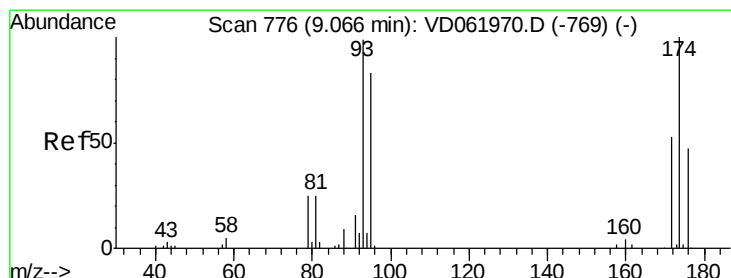
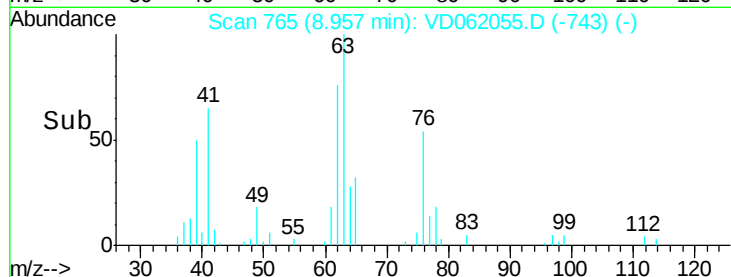
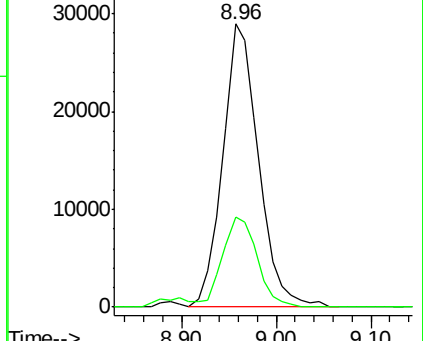
63 100

65 31.9 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.761 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

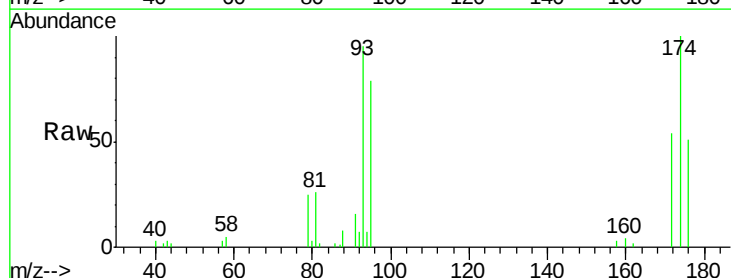
Tgt Ion: 93 Resp: 60991

Ion Ratio Lower Upper

93 100

95 83.1 64.8 97.2

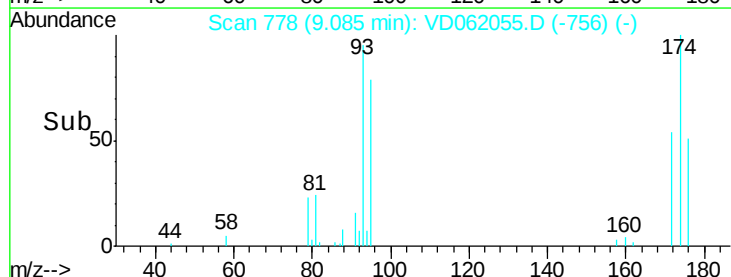
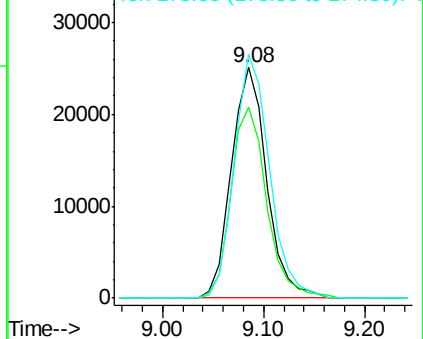
174 105.6 79.3 118.9

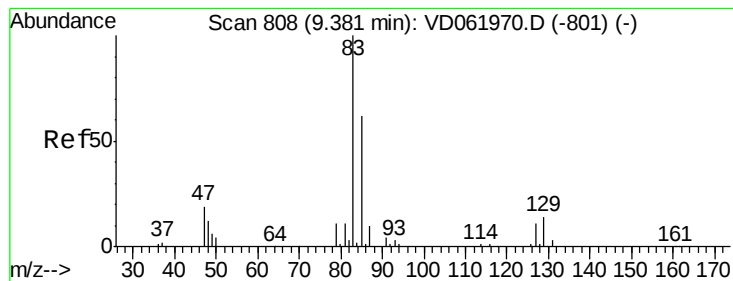


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.951 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

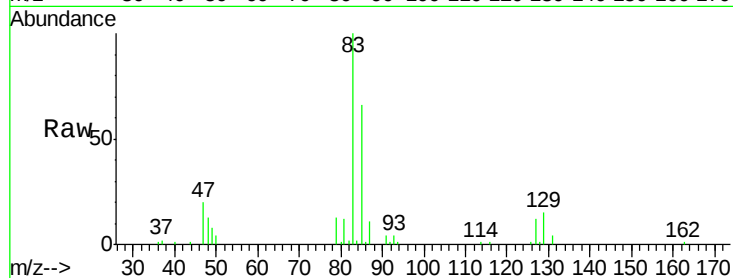
Tot Ion: 83 Resp: 145367

Ion Ratio Lower Upper

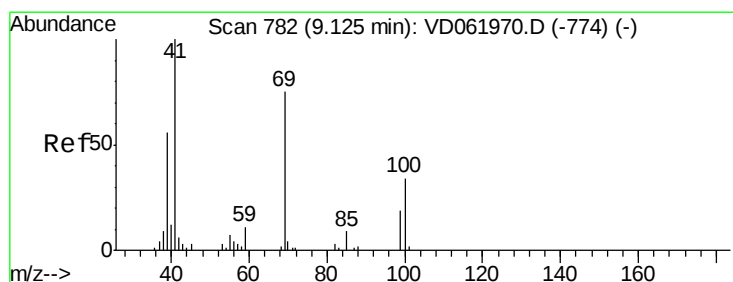
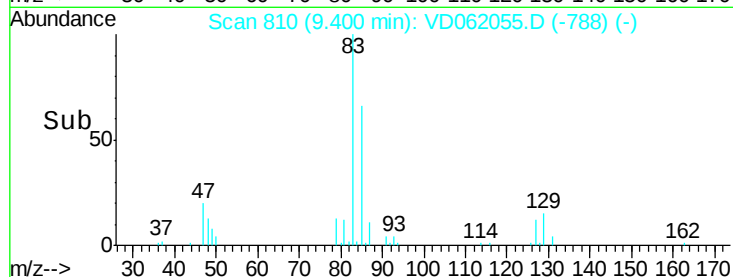
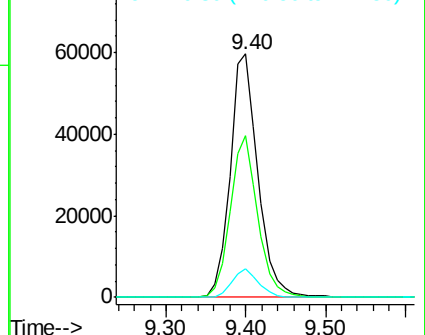
83 100

85 66.3 50.9 76.3

127 11.6 8.1 12.1



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): V



#48

Methyl methacrylate

Concen: 21.900 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

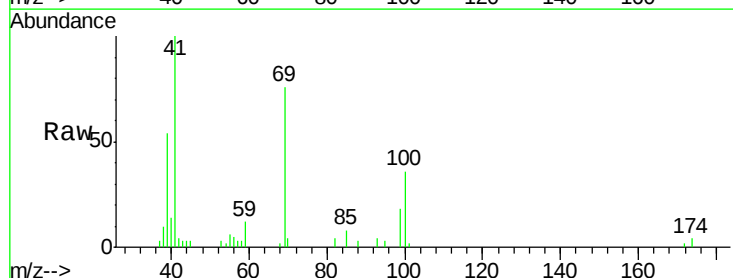
Tgt Ion: 41 Resp: 48250

Ion Ratio Lower Upper

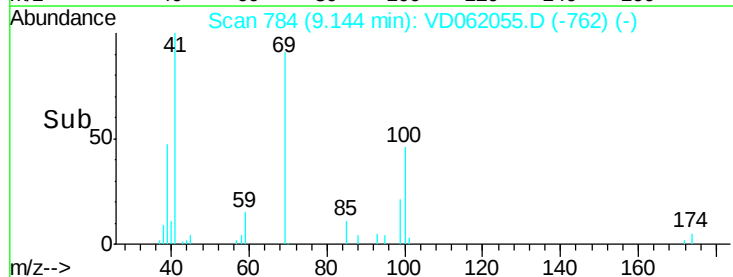
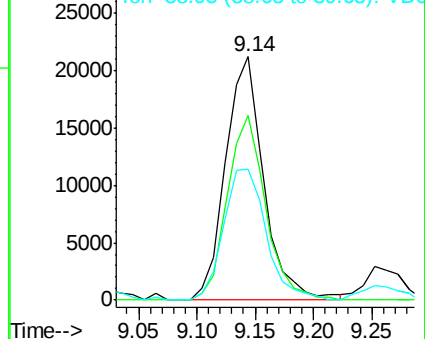
41 100

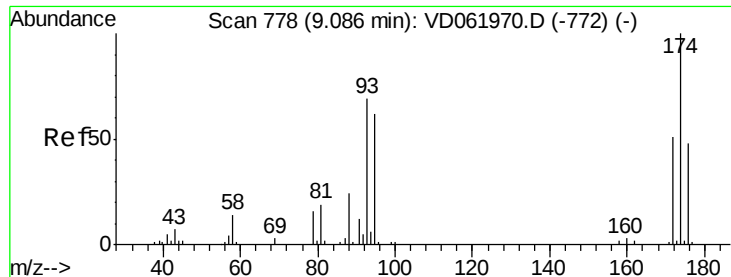
69 75.8 64.2 96.2

39 53.8 46.8 70.2



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

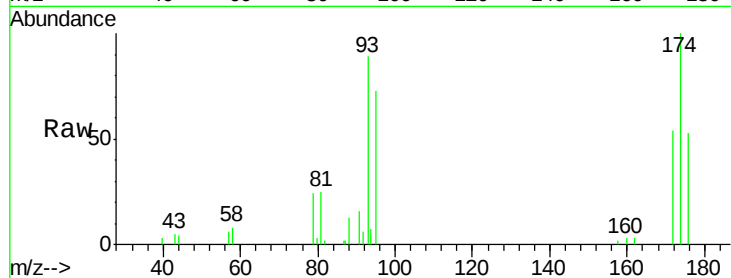




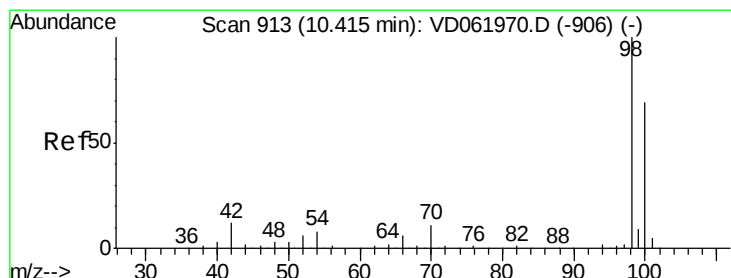
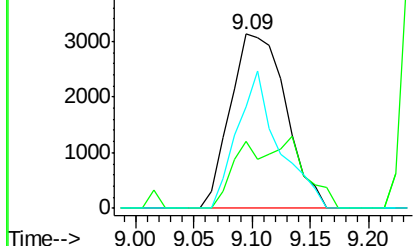
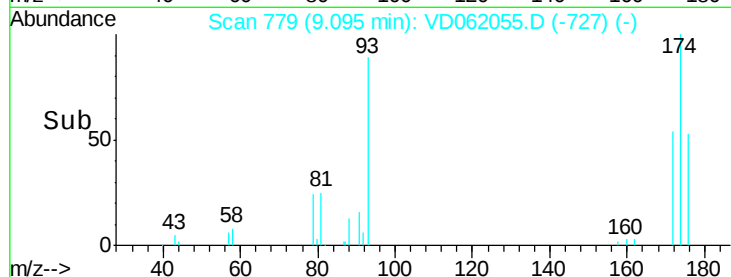
#49
1,4-Dioxane
Concen: 433.622 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

Tot Ion: 88 Resp: 10300
Ion Ratio Lower Upper
88 100
43 38.9 23.4 35.0#
58 58.2 44.0 66.0

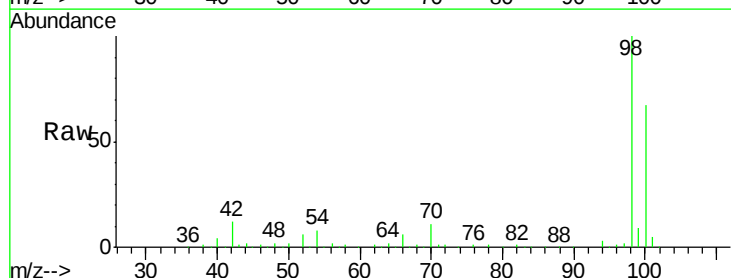


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

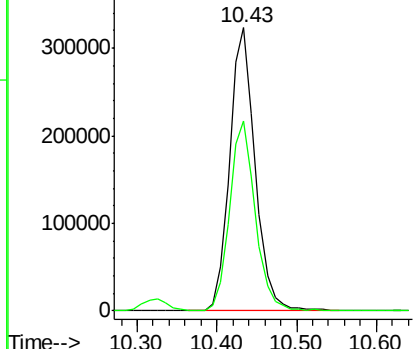
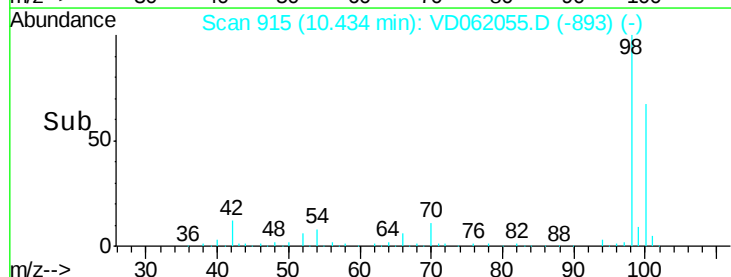


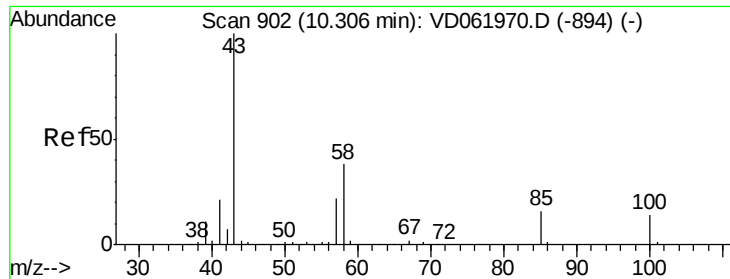
#50
Toluene-d8
Concen: 55.170 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 98 Resp: 722715
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.8



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: 105.295 ug/l

RT: 10.33 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

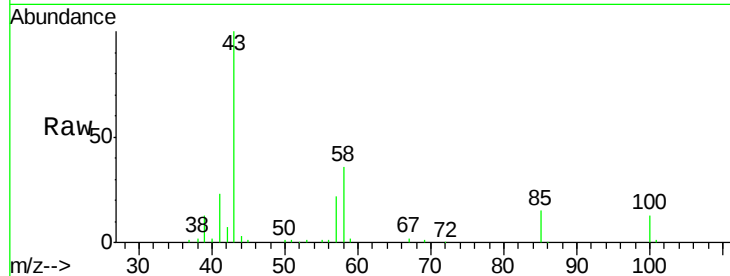
VD0426SBS01

Tot Ion: 43 Resp: 248660

Ion Ratio Lower Upper

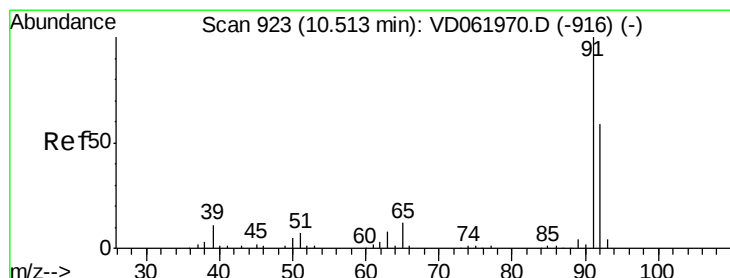
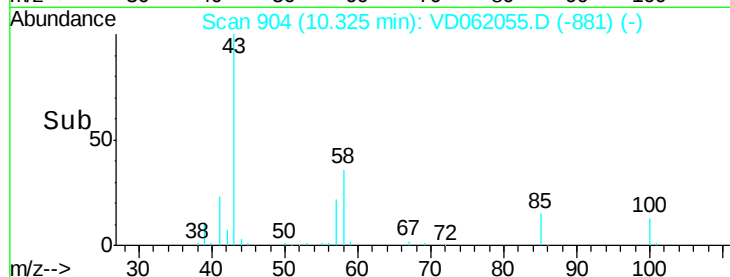
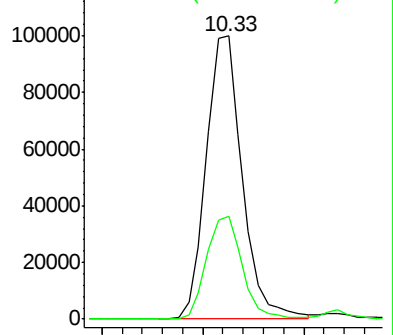
43 100

58 36.5 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.064 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.01 min

Lab File: VD062055.D

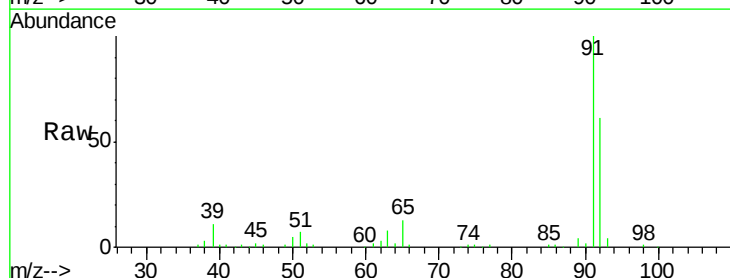
Acq: 26 Apr 2019 12:05

Tgt Ion: 92 Resp: 216005

Ion Ratio Lower Upper

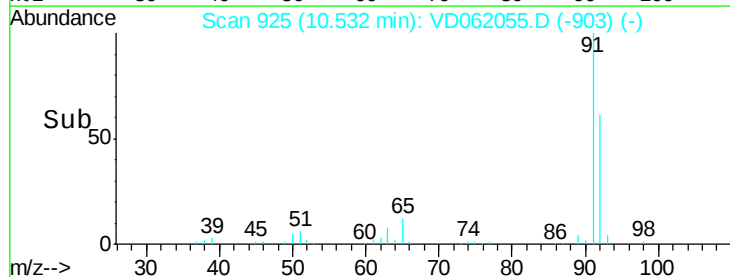
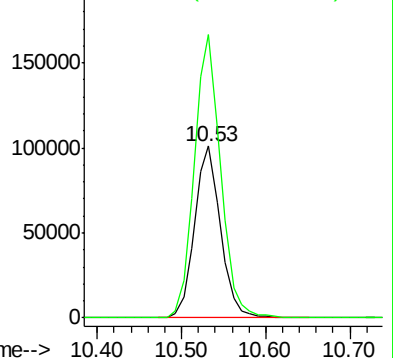
92 100

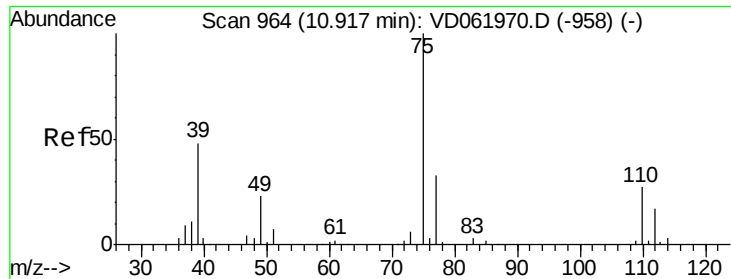
91 165.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

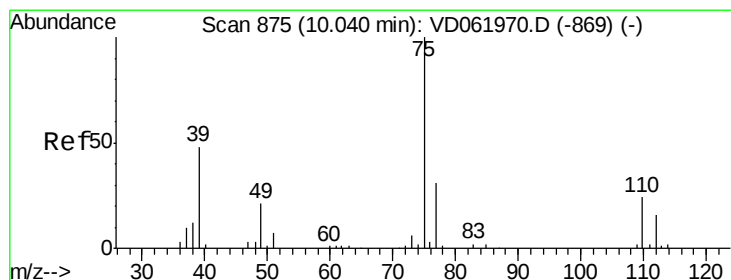
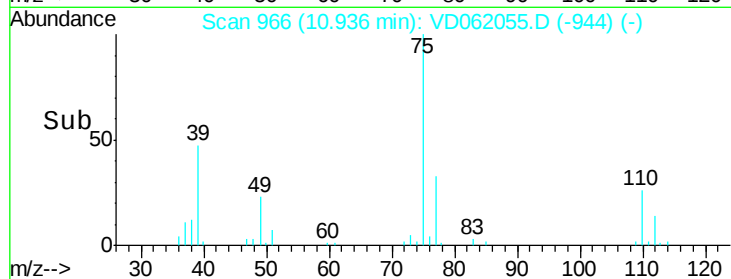
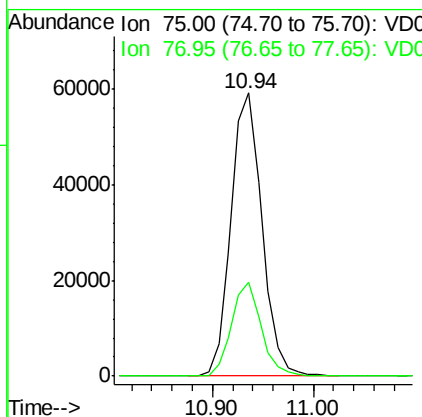
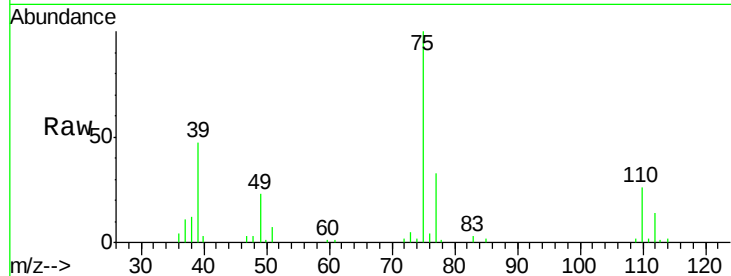




#53
 t-1,3-Dichloropropene
 Concen: 22.702 ug/l
 RT: 10.94 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

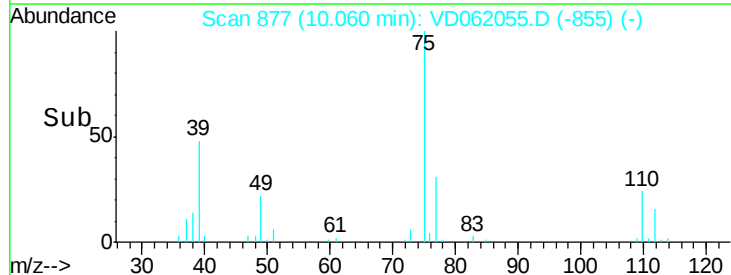
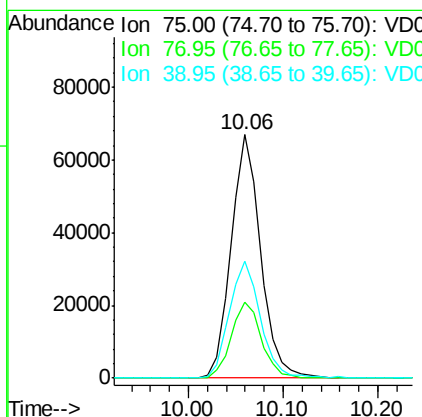
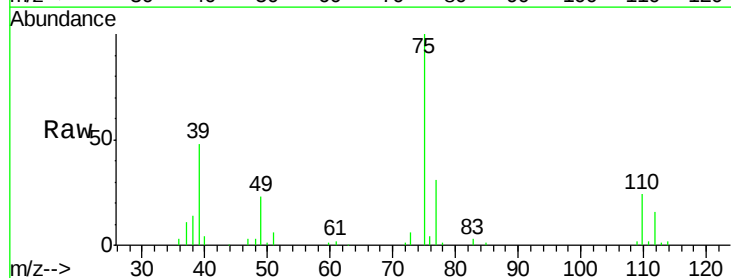
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

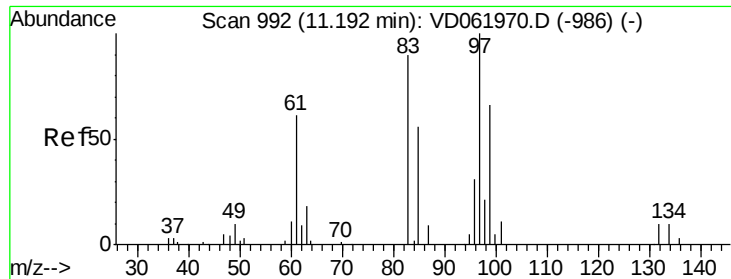
Tot Ion: 75 Resp: 126196
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.378 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 75 Resp: 144534
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.5 38.3
 39 48.2 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 21.130 ug/l

RT: 11.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

Tot Ion: 97 Resp: 69445

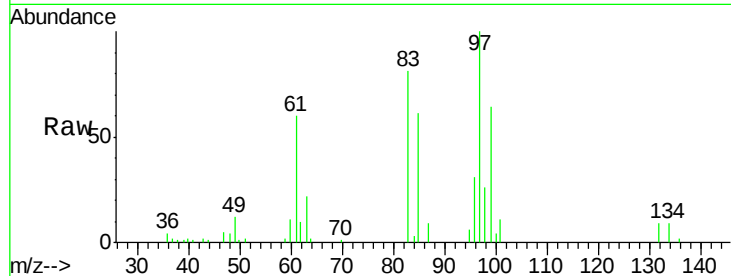
Ion Ratio Lower Upper

97 100

83 80.6 65.7 98.5

85 61.3 45.6 68.4

99 64.5 48.4 72.6

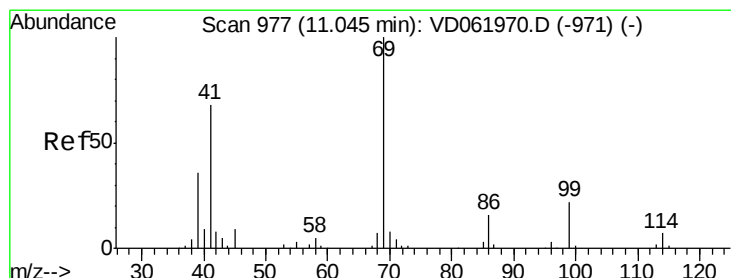
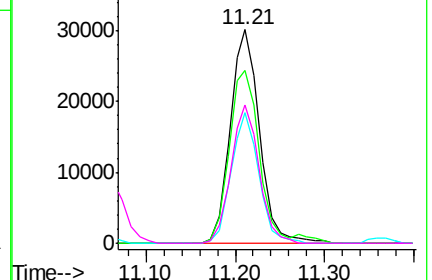
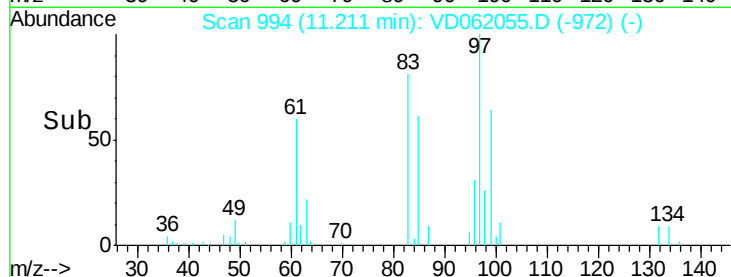


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 19.905 ug/l

RT: 11.06 min Scan# 979

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

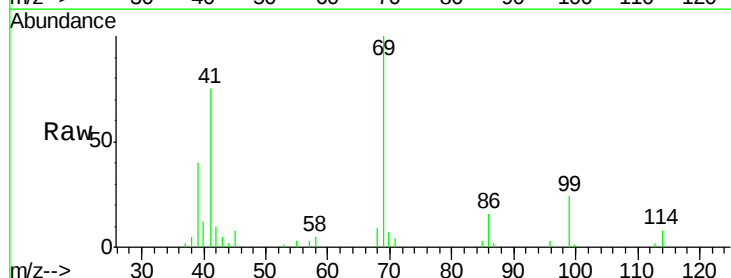
Tgt Ion: 69 Resp: 72454

Ion Ratio Lower Upper

69 100

41 74.6 56.3 84.5

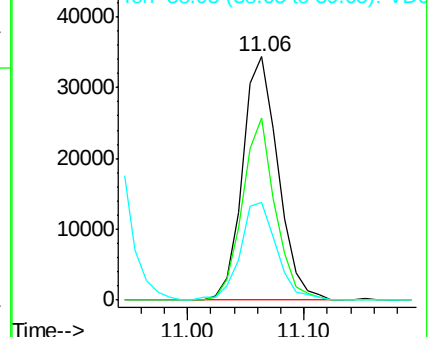
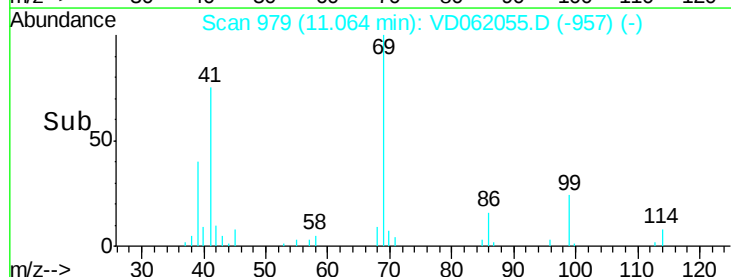
39 39.9 29.4 44.2

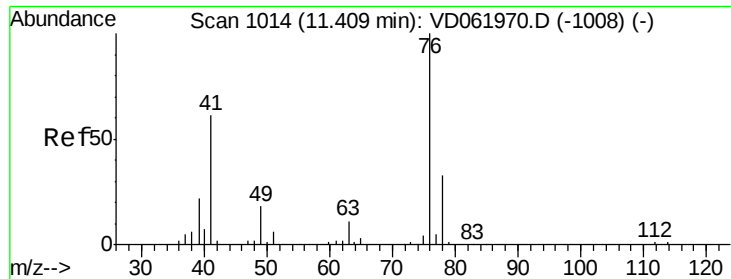


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

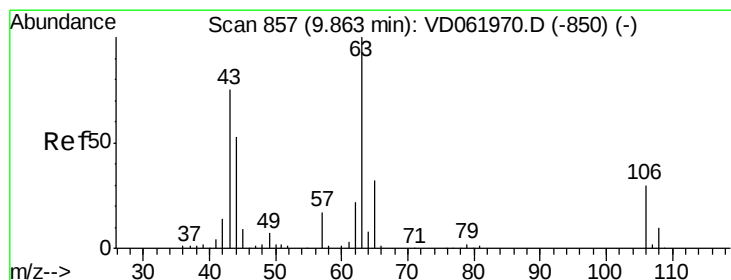
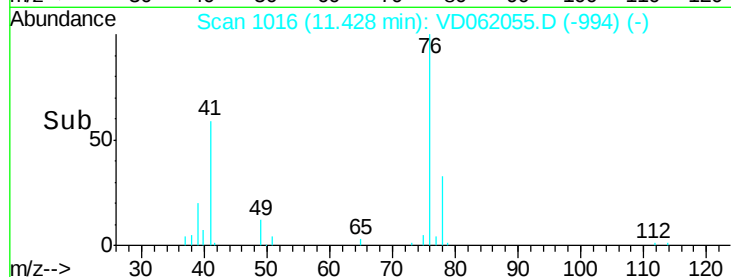
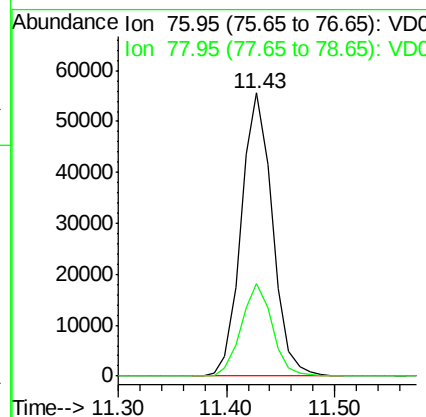
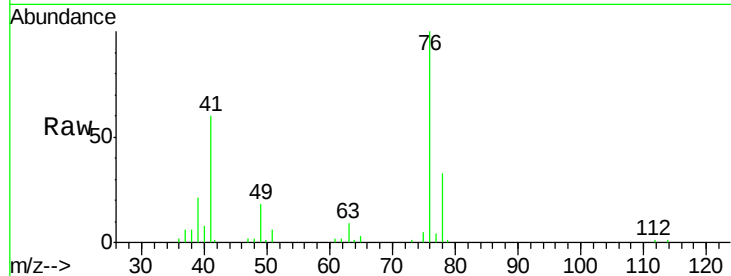




#57
 1,3-Dichloropropane
 Concen: 21.861 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

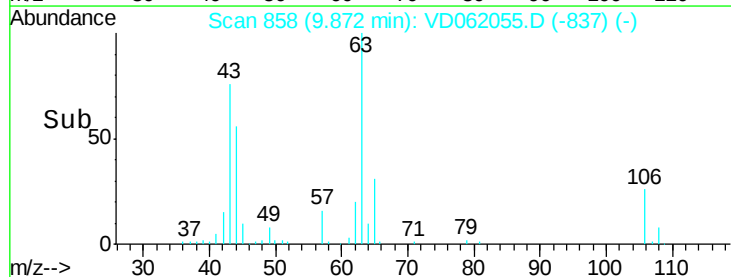
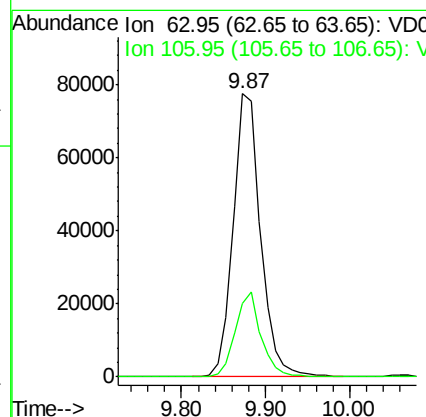
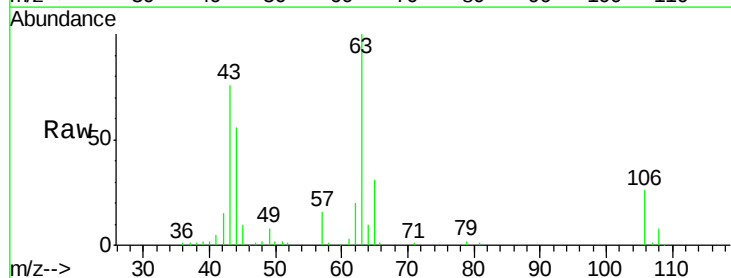
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

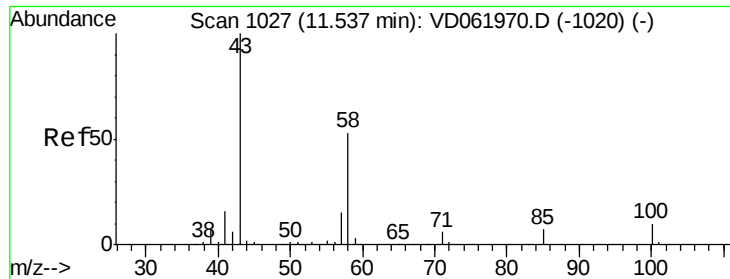
Tot Ion: 76 Resp: 110970
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.757 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 63 Resp: 175595
 Ion Ratio Lower Upper
 63 100
 106 25.8 22.6 34.0

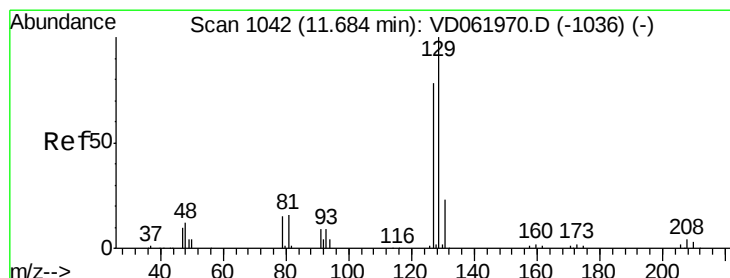
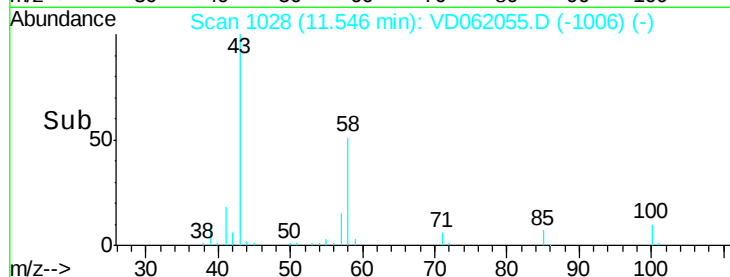
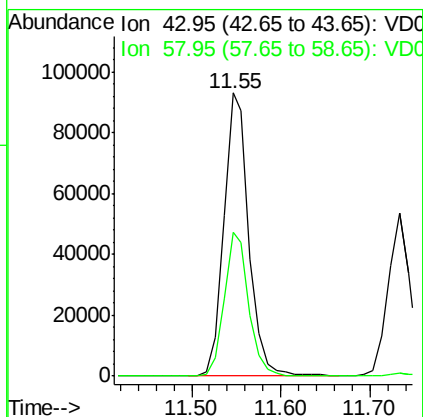
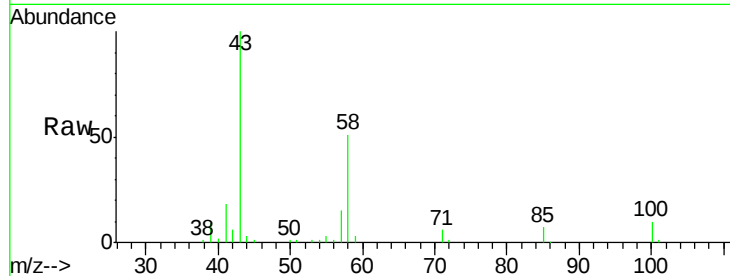




#59
2-Hexanone
Concen: 103.430 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

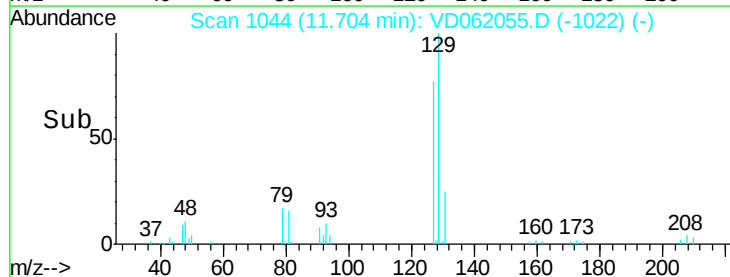
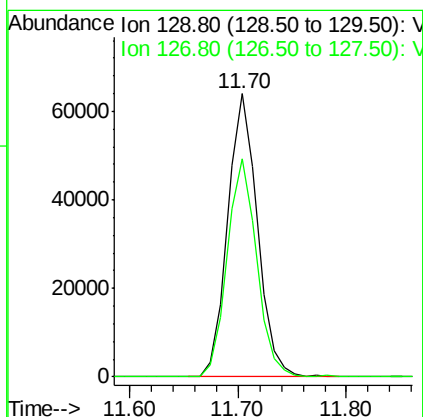
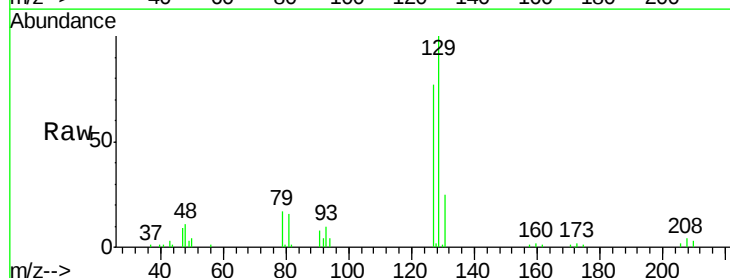
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

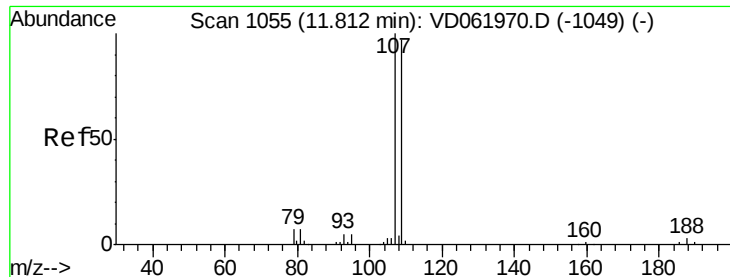
Tot Ion: 43 Resp: 183227
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.4



#60
Dibromochloromethane
Concen: 22.402 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion:129 Resp: 121827
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9

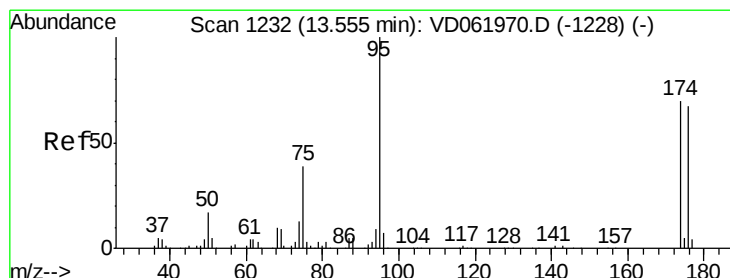
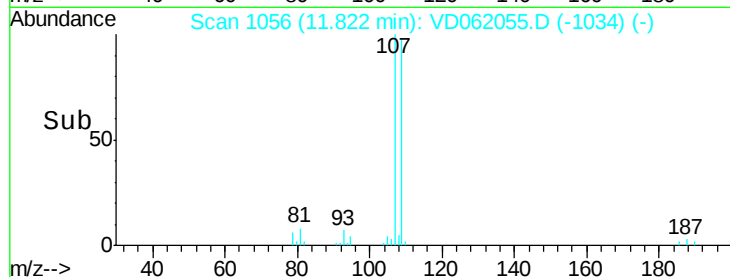
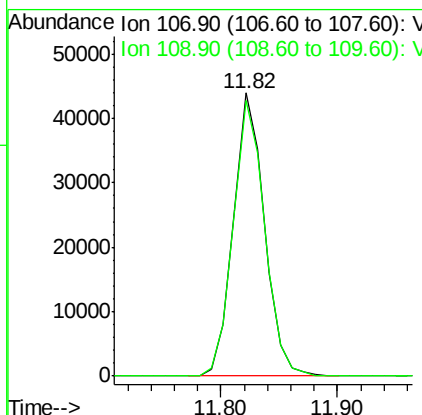
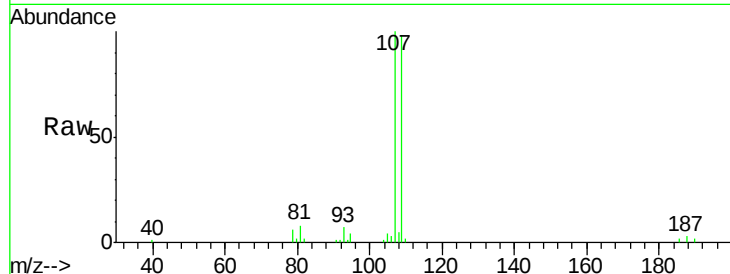




#61
 1,2-Dibromoethane
 Concen: 20.792 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

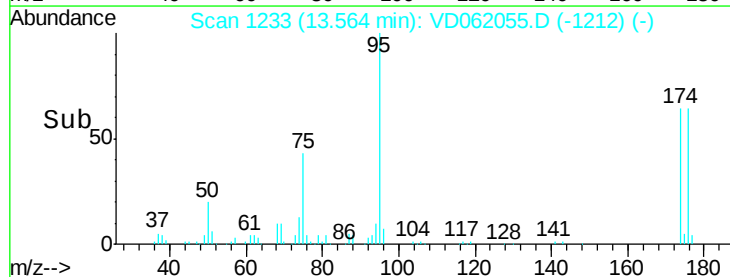
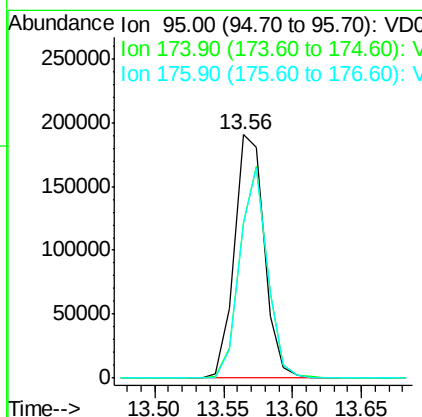
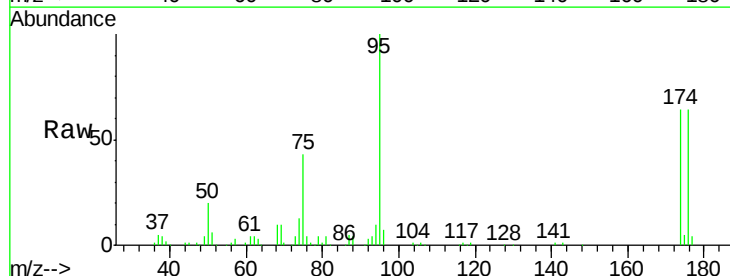
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

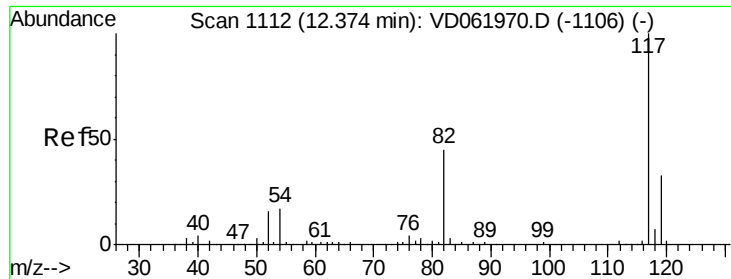
Tot Ion:107 Resp: 81062
 Ion Ratio Lower Upper
 107 100
 109 97.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 54.944 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 95 Resp: 288688
 Ion Ratio Lower Upper
 95 100
 174 63.8 0.0 181.8
 176 63.8 0.0 174.4

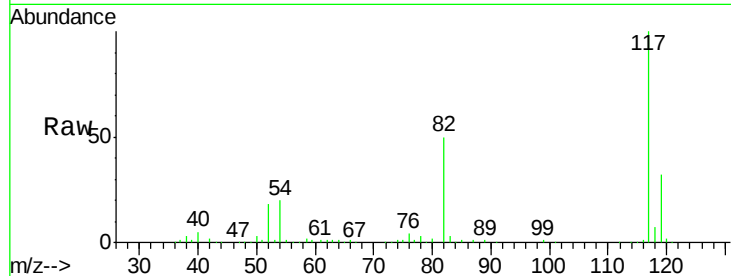




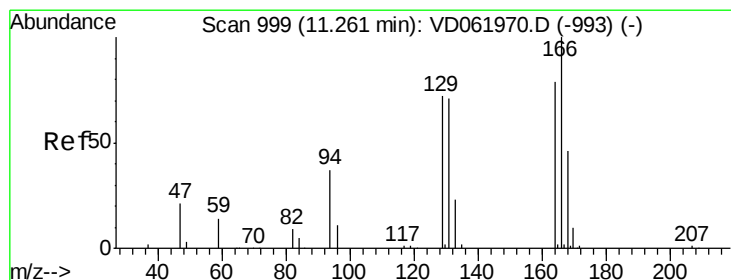
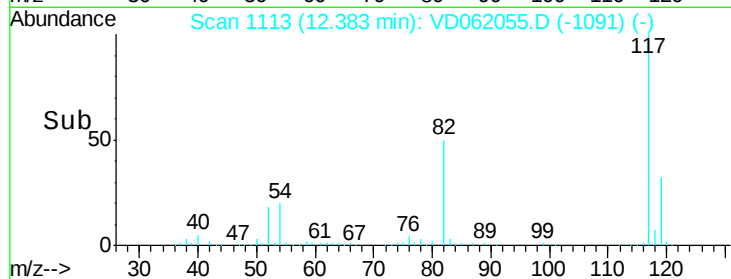
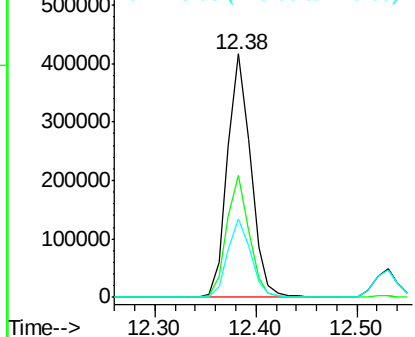
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

Tot Ion:117 Resp: 667750
Ion Ratio Lower Upper
117 100
82 50.0 36.2 54.2
119 32.3 26.2 39.4

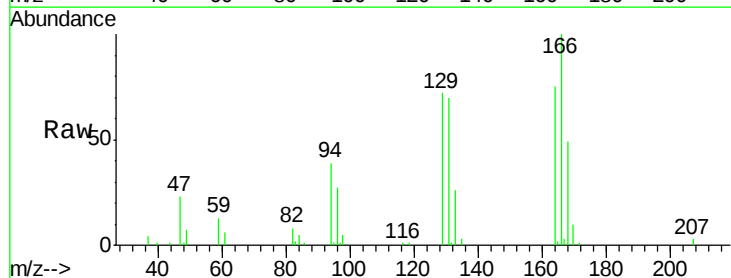


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

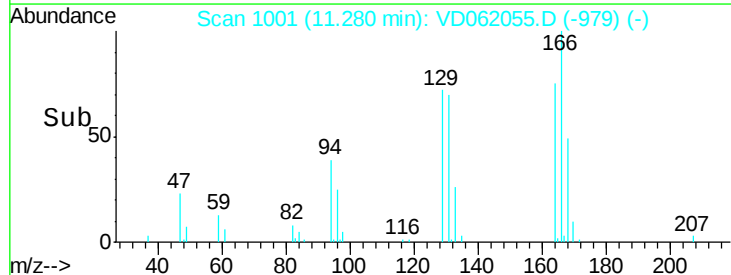
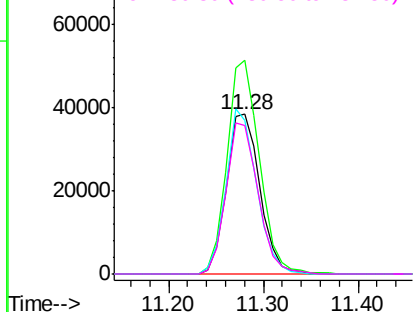


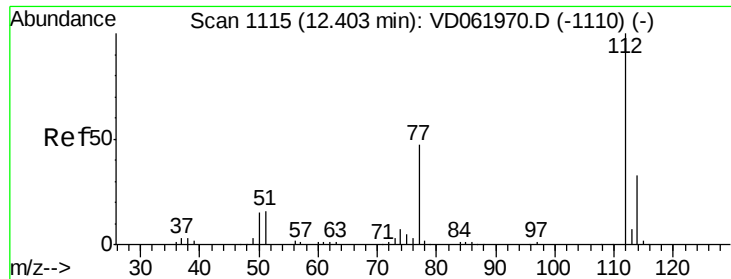
#64
Tetrachloroethene
Concen: 19.599 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion:164 Resp: 93359
Ion Ratio Lower Upper
164 100
166 133.8 101.5 152.3
129 96.5 74.6 112.0
131 93.1 72.6 108.8



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

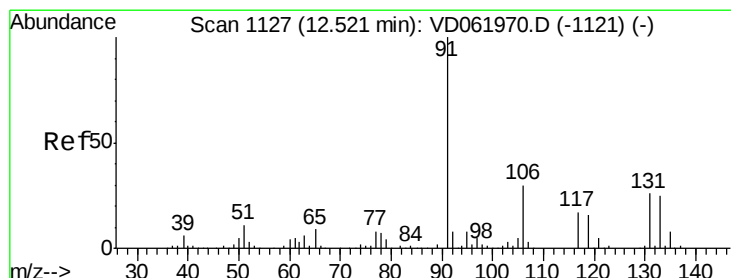
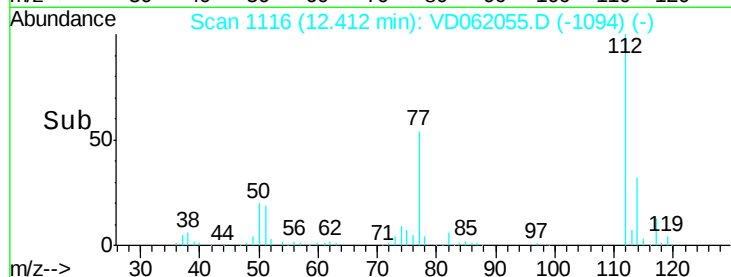
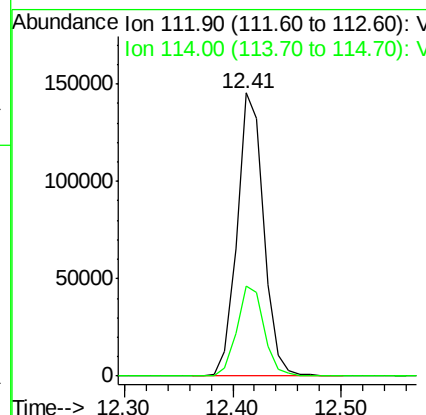
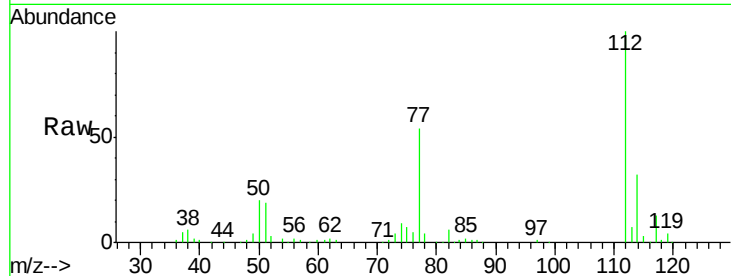




#65
Chlorobenzene
Concen: 19.655 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

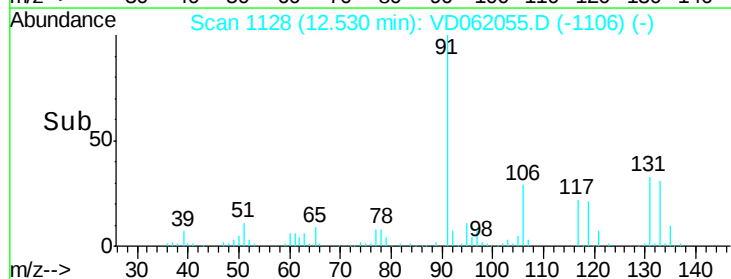
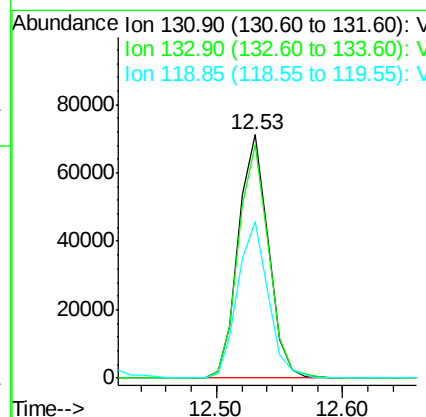
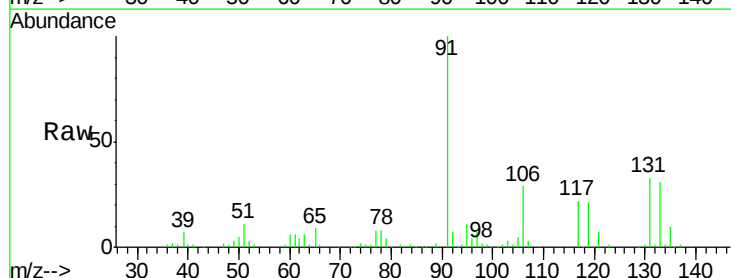
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

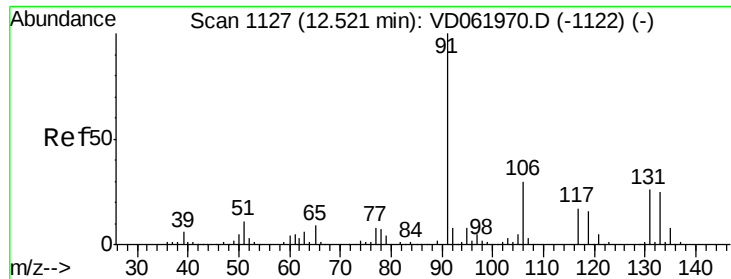
Tot Ion:112 Resp: 248003
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.793 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion:131 Resp: 116641
Ion Ratio Lower Upper
131 100
133 95.7 48.6 145.8
119 64.4 34.7 104.1

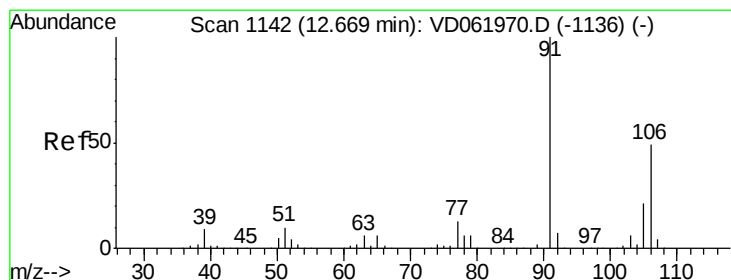
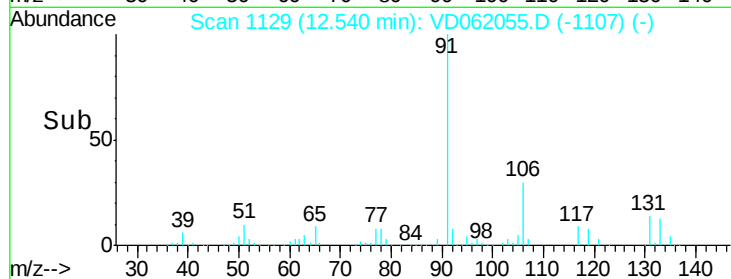
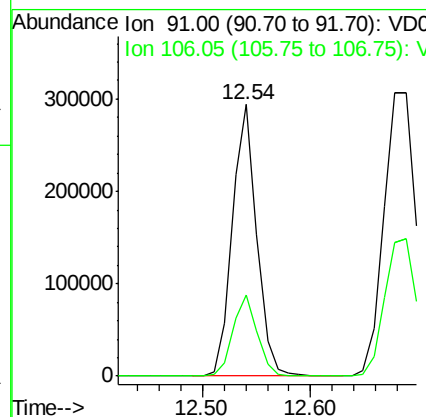
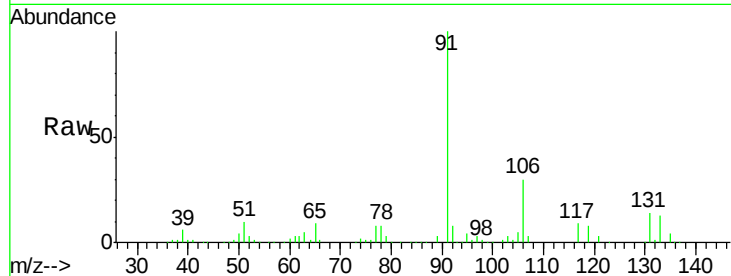




#67
Ethyl Benzene
Concen: 22.308 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

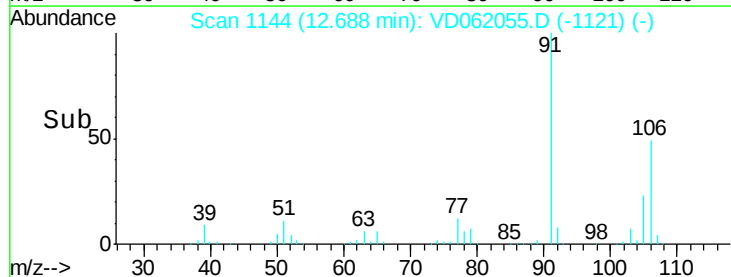
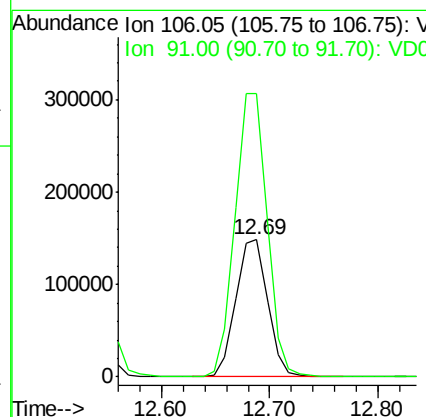
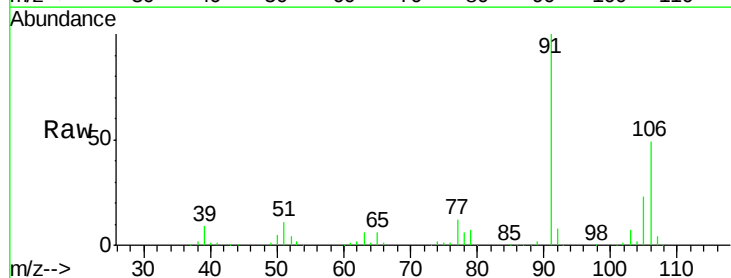
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

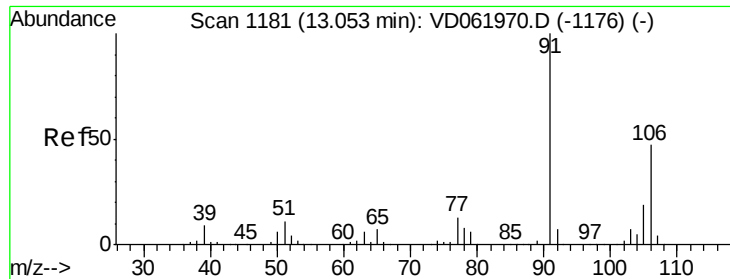
Tot Ion: 91 Resp: 459440
Ion Ratio Lower Upper
91 100
106 30.1 24.7 37.1



#68
m/p-Xylenes
Concen: 40.994 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 106 Resp: 305146
Ion Ratio Lower Upper
106 100
91 206.0 164.0 246.0

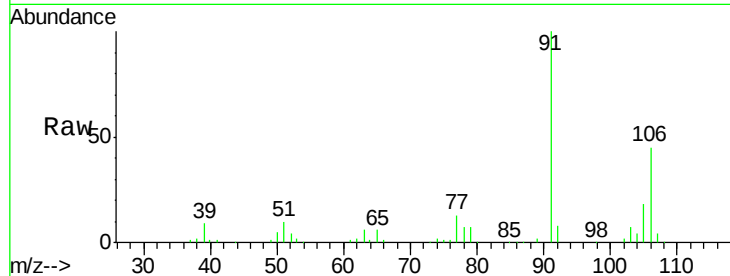




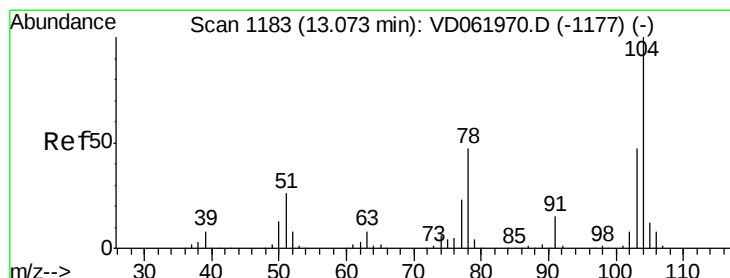
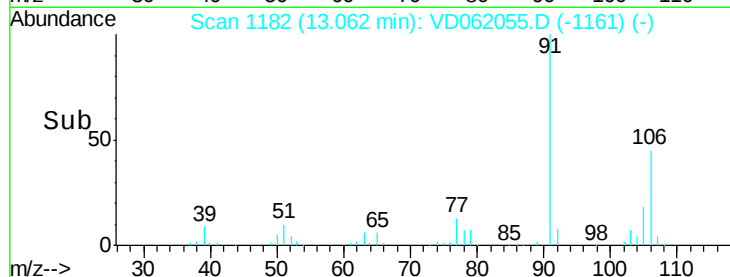
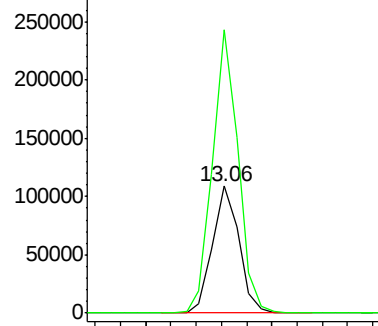
#69
o-Xylene
Concen: 23.169 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Instrument :
MSVOA_D
ClientSampleID :
VD0426SBS01

Tot Ion:106 Resp: 157799
Ion Ratio Lower Upper
106 100
91 222.8 106.7 319.9

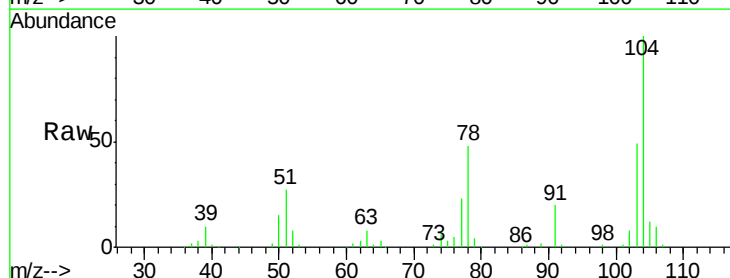


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

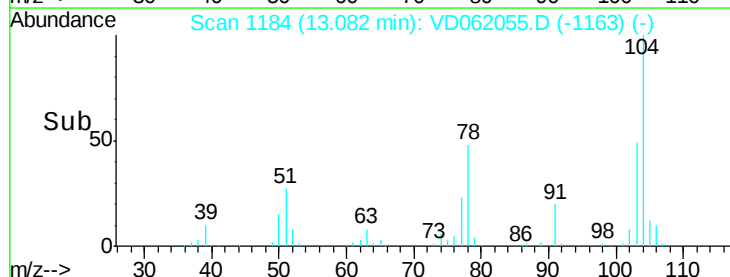
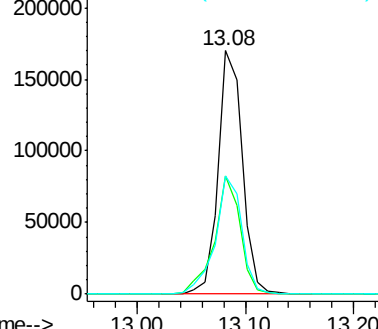


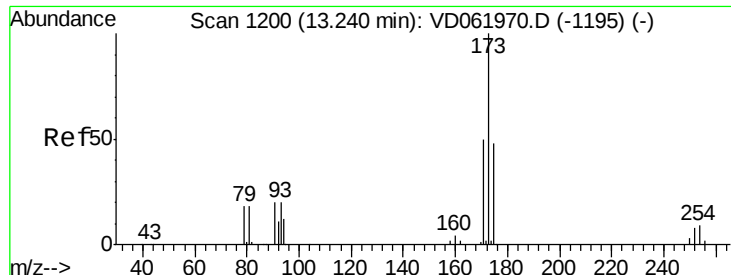
#70
Styrene
Concen: 22.388 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion:104 Resp: 263277
Ion Ratio Lower Upper
104 100
78 48.4 35.4 53.2
103 48.7 37.5 56.3



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





#71

Bromoform

Concen: 22.829 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

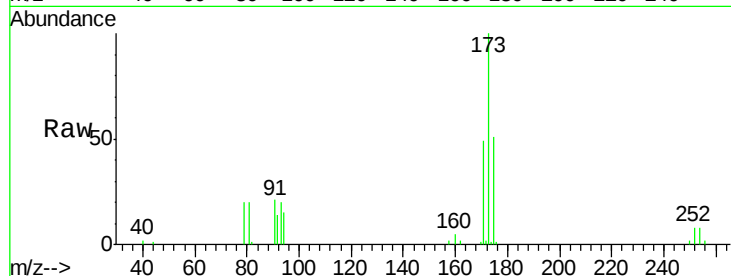
Tot Ion:173 Resp: 69662

Ion Ratio Lower Upper

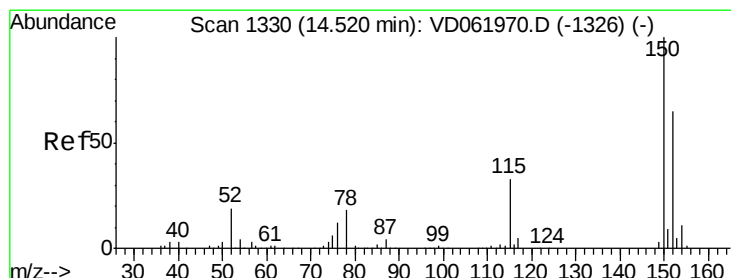
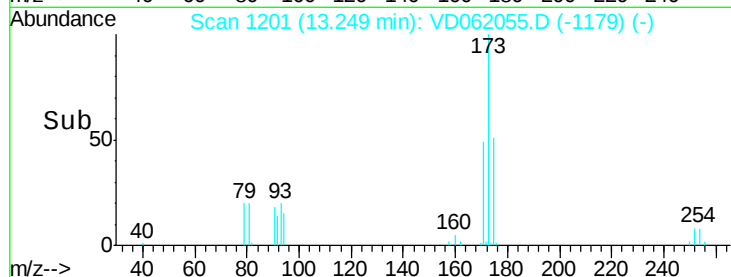
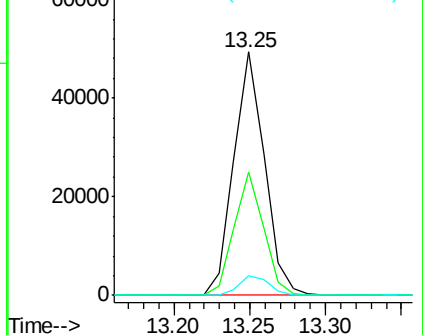
173 100

175 50.8 24.4 73.4

254 7.8 5.4 8.2



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: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

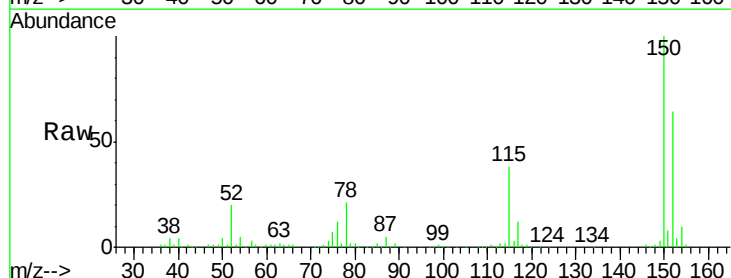
Tgt Ion:152 Resp: 319105

Ion Ratio Lower Upper

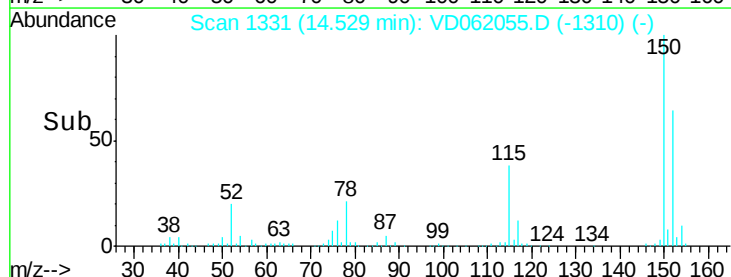
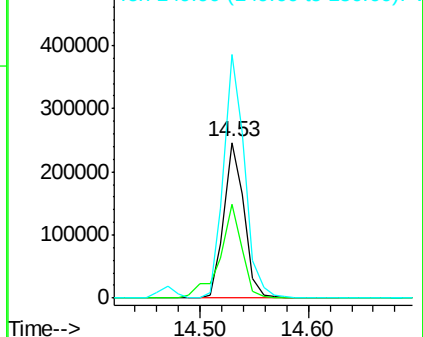
152 100

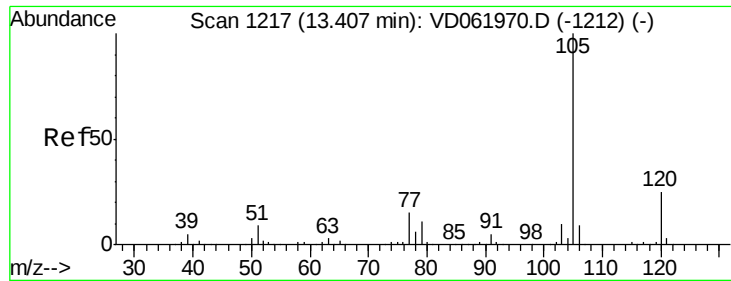
115 60.3 30.9 92.7

150 156.8 0.0 314.8



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: 18.522 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

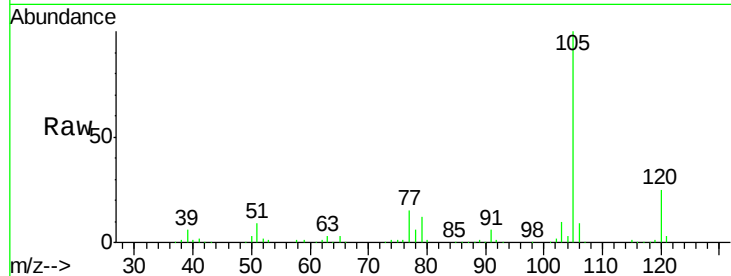
VD0426SBS01

Tot Ion:105 Resp: 394274

Ion Ratio Lower Upper

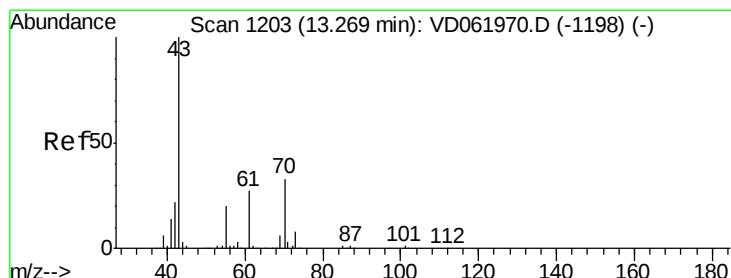
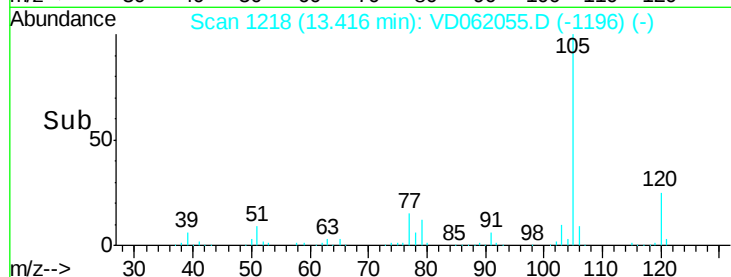
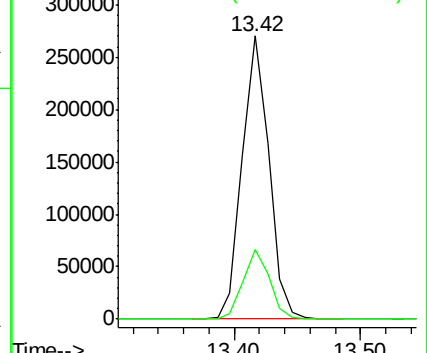
105 100

120 24.6 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.496 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Tgt Ion: 43 Resp: 106879

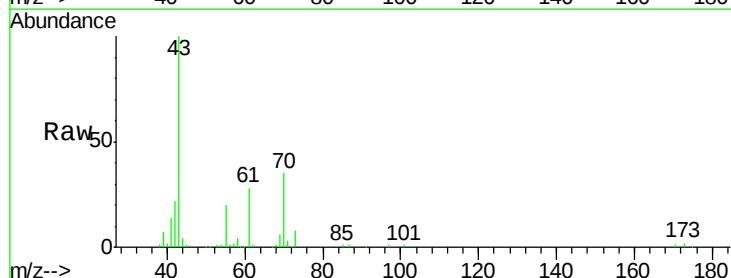
Ion Ratio Lower Upper

43 100

70 34.6 24.2 36.4

55 19.7 16.0 24.0

61 28.0 21.6 32.4

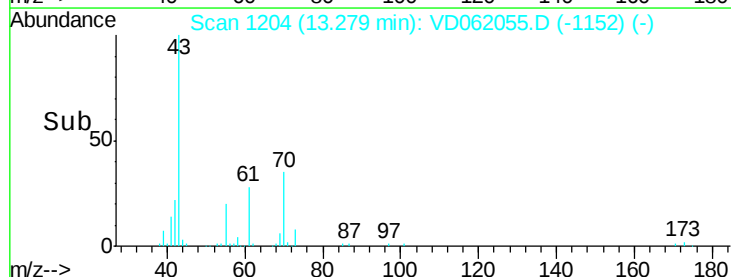
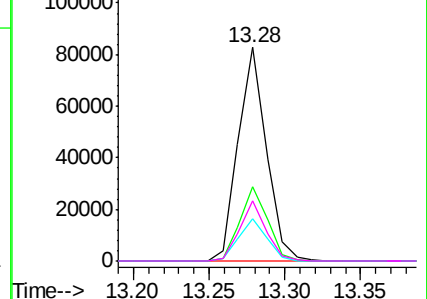


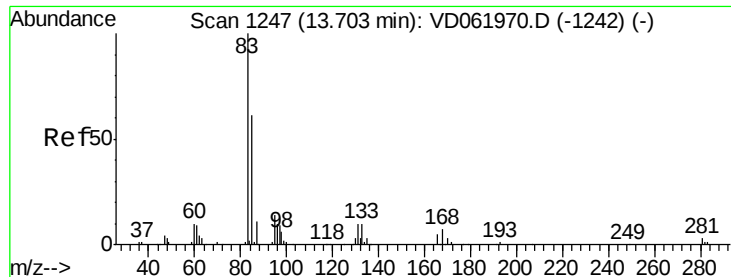
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.633 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

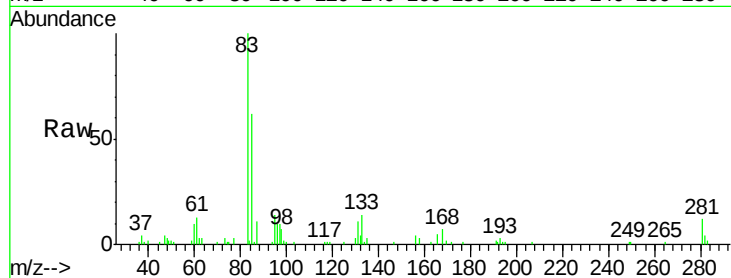
Tot Ion: 83 Resp: 81895

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.0	14.9
85	61.9	32.6	97.7

83 100

131 11.2 5.0 14.9

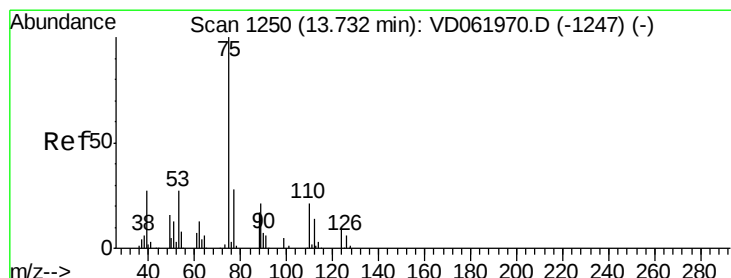
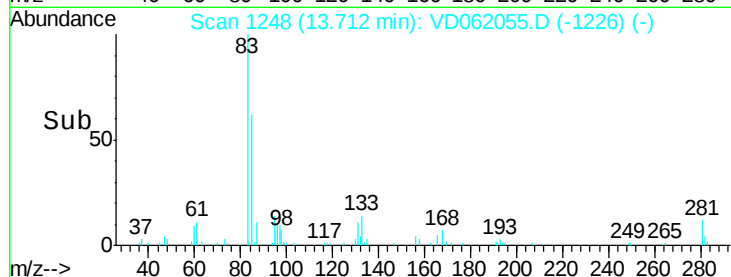
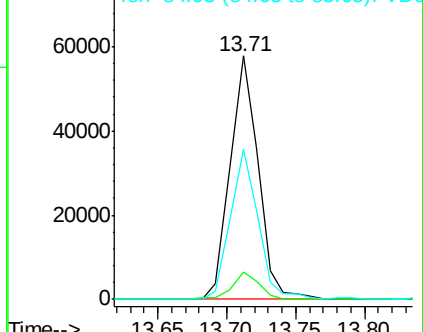
85 61.9 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.885 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062055.D

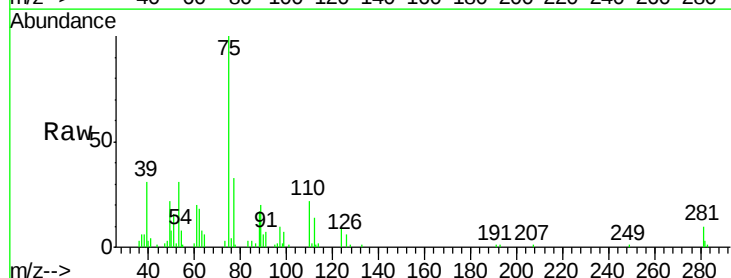
Acq: 26 Apr 2019 12:05

Tgt Ion: 75 Resp: 80578

Ion	Ratio	Lower	Upper
75	100		
77	33.4	16.4	49.4

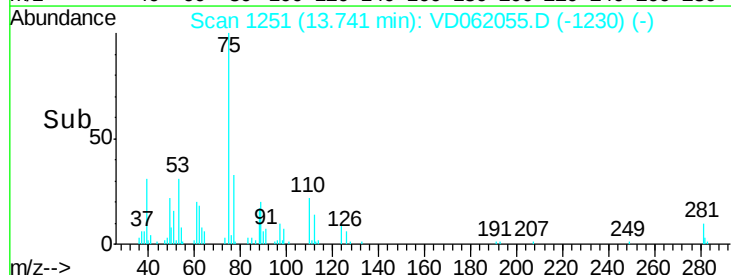
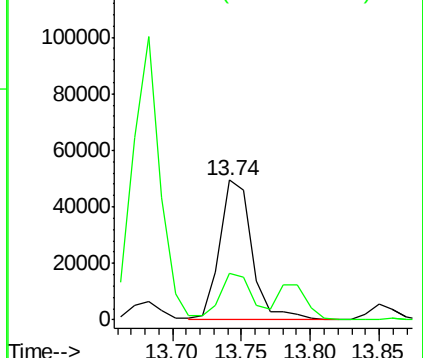
75 100

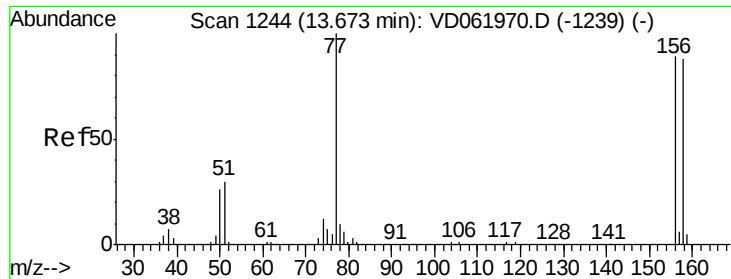
77 33.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

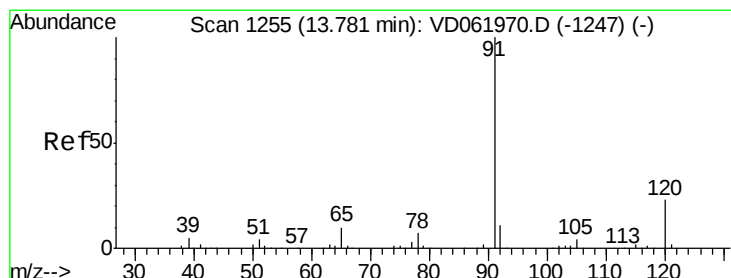
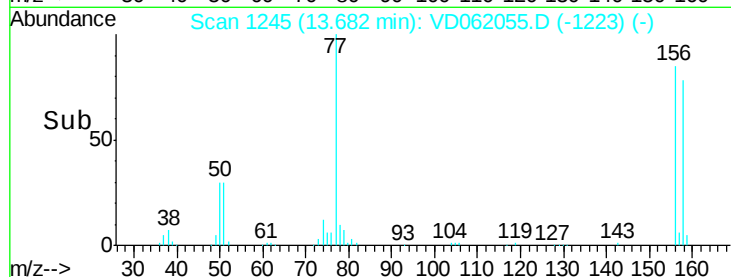
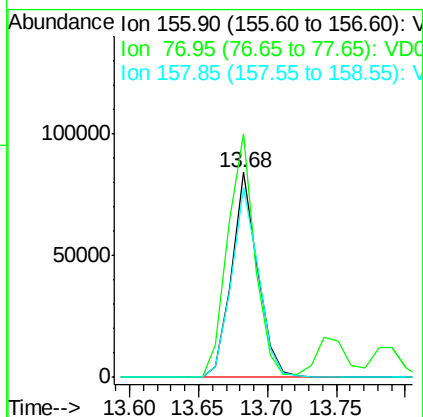
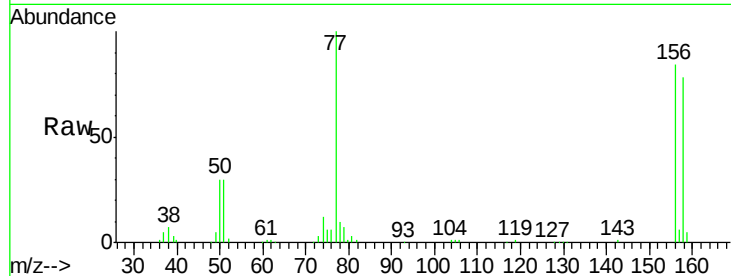




#77
Bromobenzene
Concen: 18.208 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

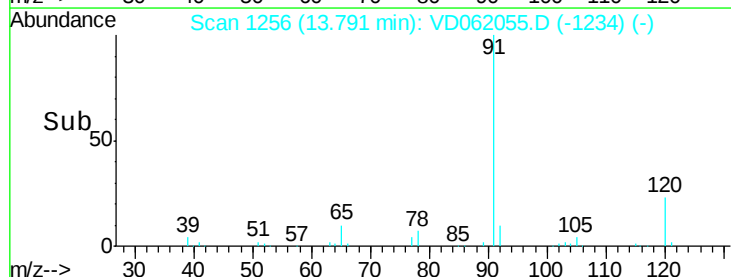
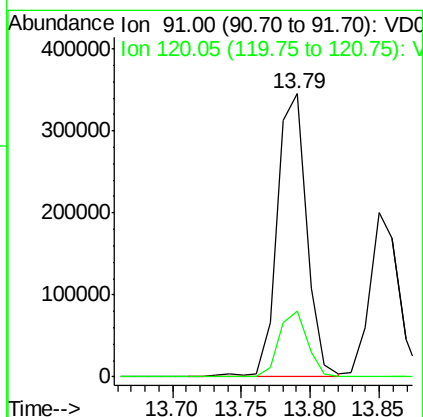
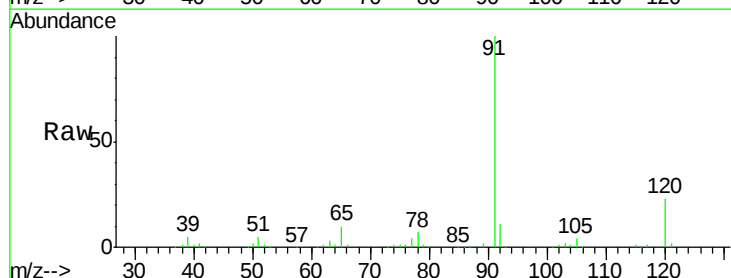
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

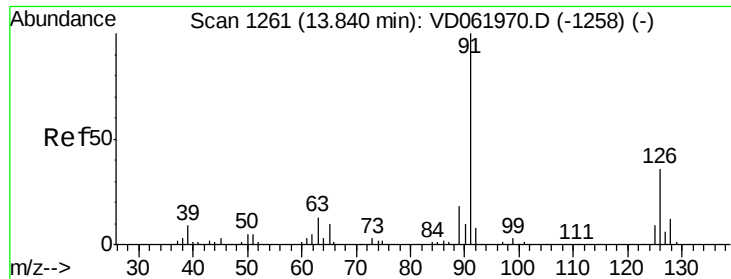
Tot Ion:156 Resp: 111183
Ion Ratio Lower Upper
156 100
77 118.8 53.1 159.4
158 92.8 49.4 148.0



#78
n-propylbenzene
Concen: 20.868 ug/l
RT: 13.79 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 91 Resp: 508501
Ion Ratio Lower Upper
91 100
120 23.1 11.1 33.1

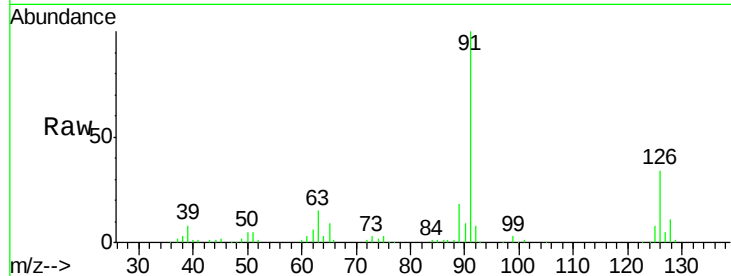




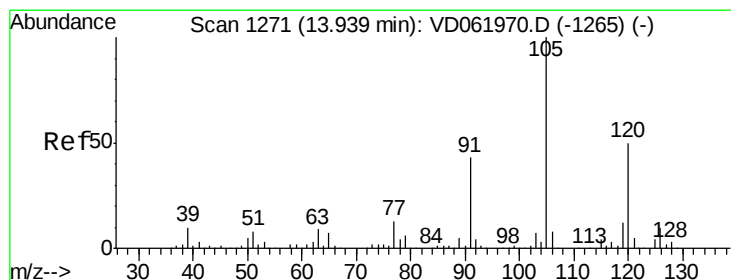
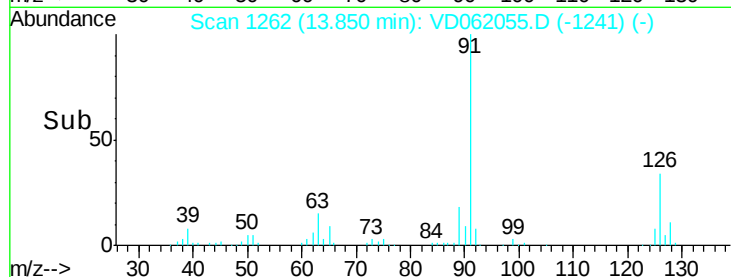
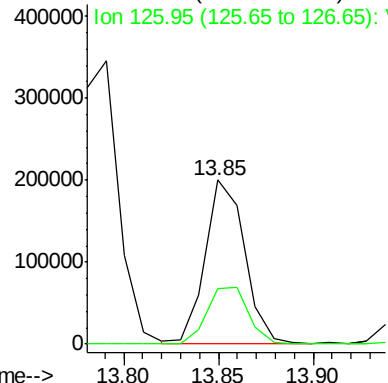
#79
 2-Chlorotoluene
 Concen: 19.461 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

Tot Ion: 91 Resp: 287242
 Ion Ratio Lower Upper
 91 100
 126 33.8 18.6 55.8

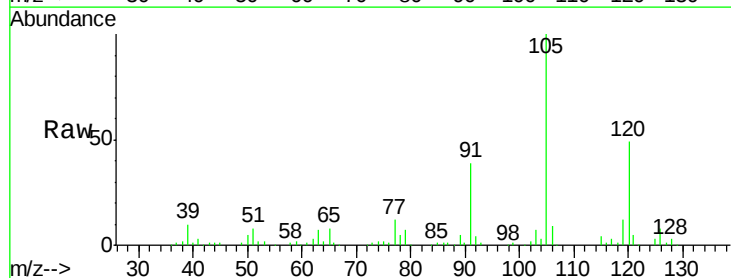


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

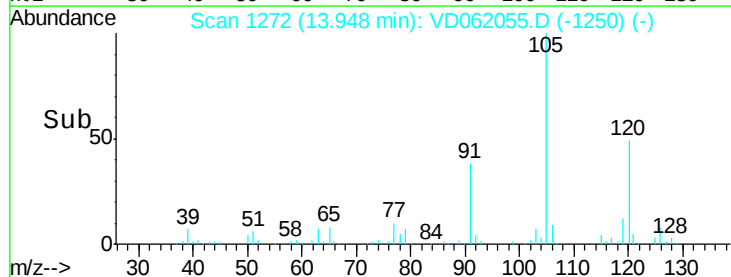
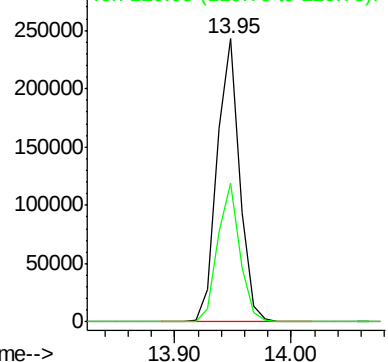


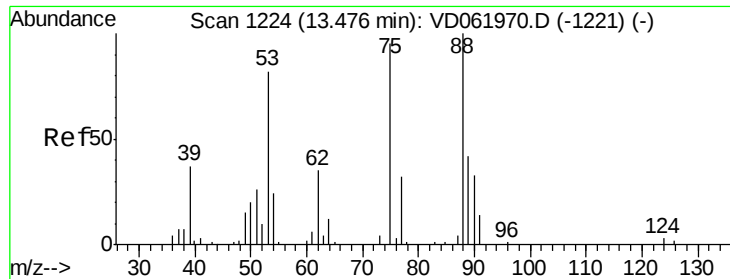
#80
 1,3,5-Trimethylbenzene
 Concen: 19.154 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 105 Resp: 325109
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)
 Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)

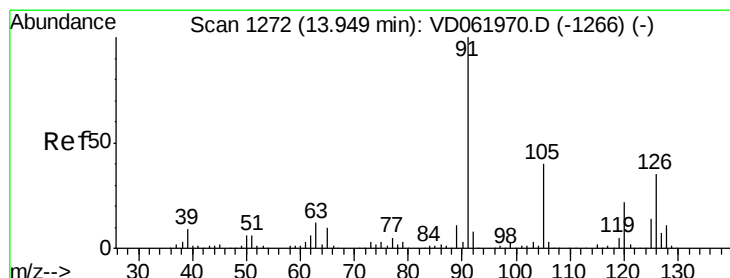
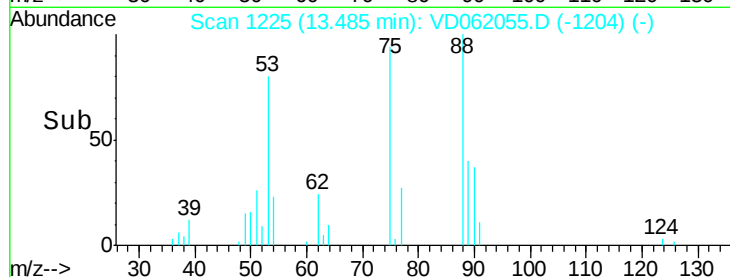
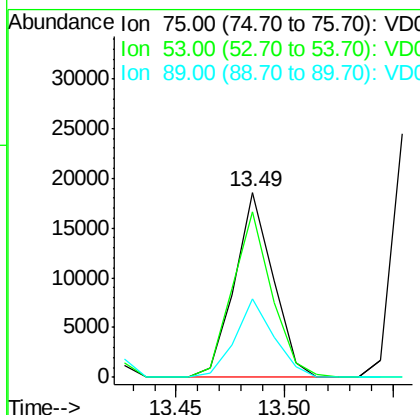
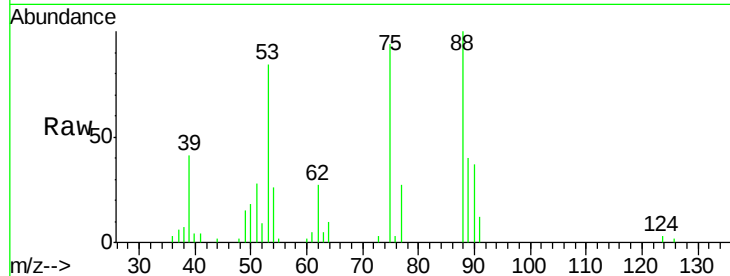




#81
trans-1,4-Dichloro-2-butene
Concen: 18.781 ug/l
RT: 13.49 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

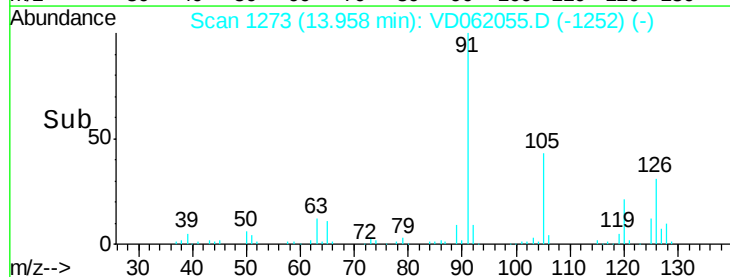
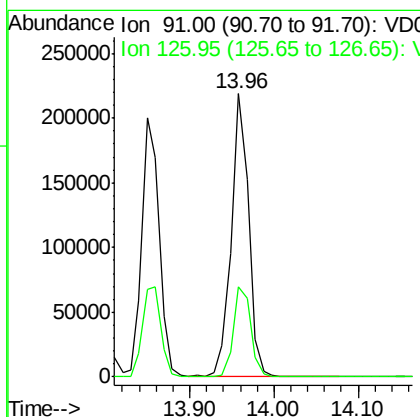
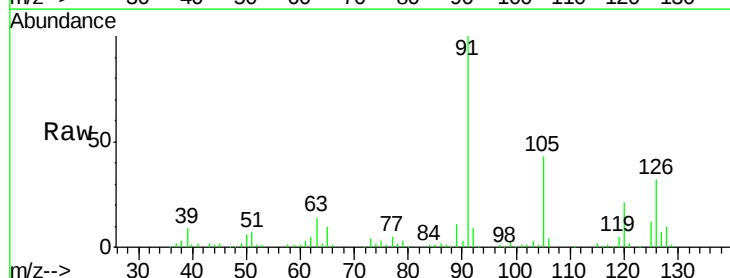
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

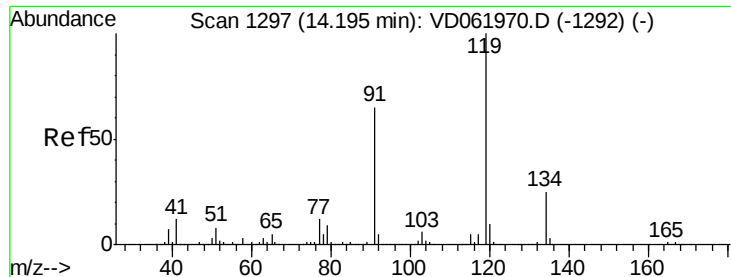
Tot Ion: 75 Resp: 23062
Ion Ratio Lower Upper
75 100
53 89.6 65.8 98.8
89 42.7 35.0 52.6



#82
4-Chlorotoluene
Concen: 19.452 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 91 Resp: 316197
Ion Ratio Lower Upper
91 100
126 31.8 19.1 57.5

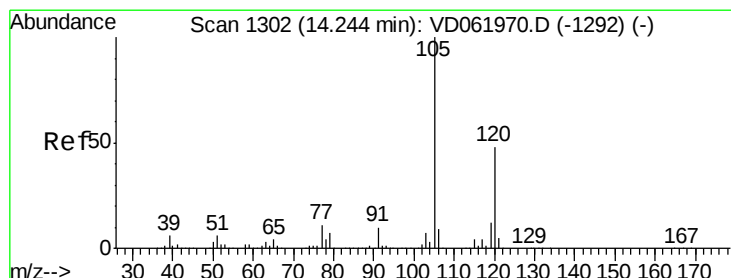
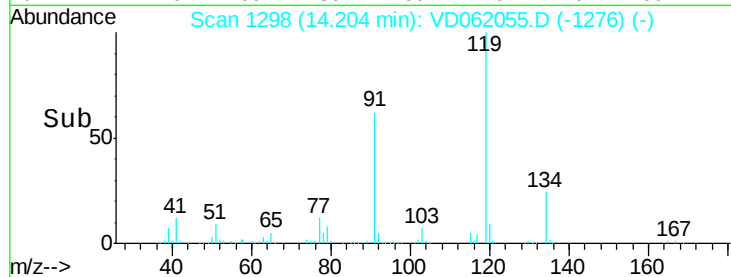
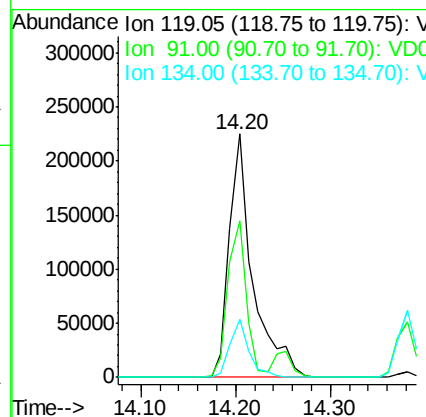
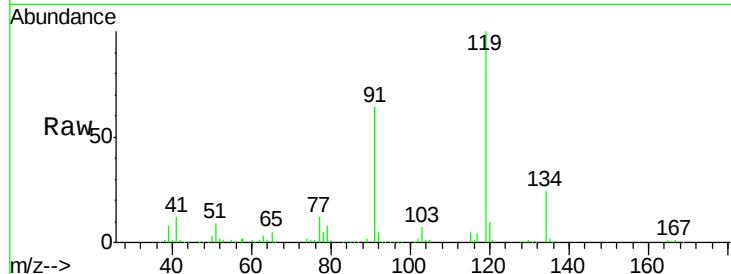




#83
 tert-Butylbenzene
 Concen: 19.729 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

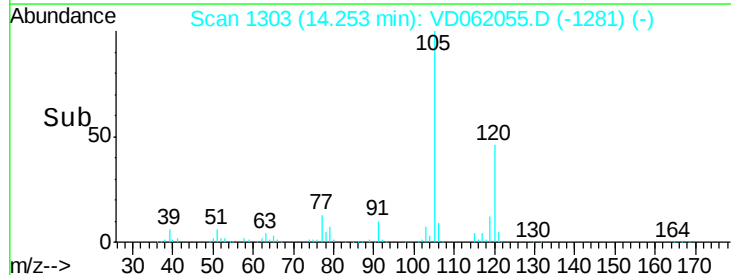
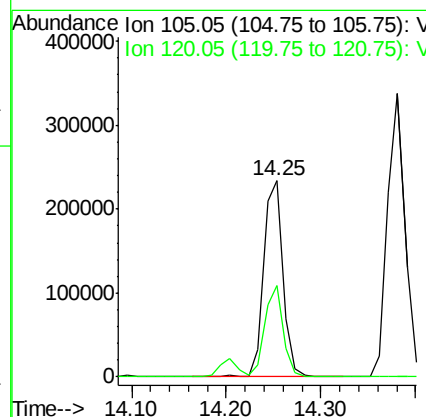
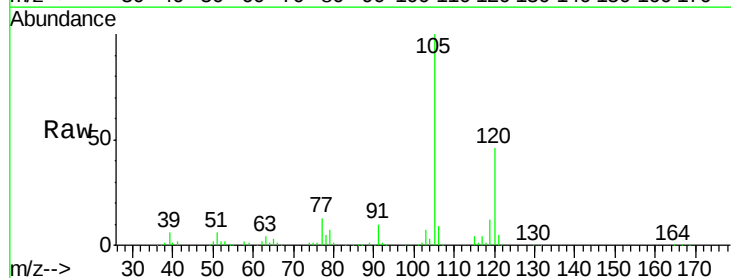
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

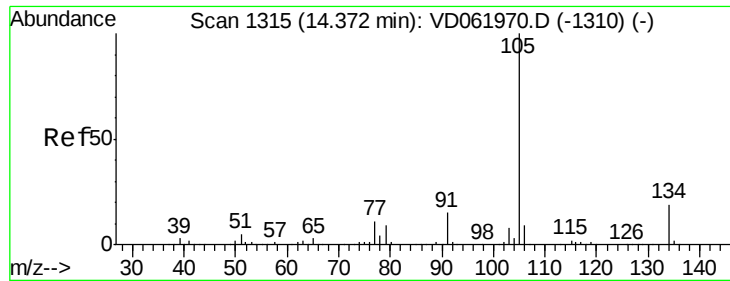
Tot Ion:119 Resp: 387920
 Ion Ratio Lower Upper
 119 100
 91 64.3 34.2 102.6
 134 23.6 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.537 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion:105 Resp: 332840
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.1 69.2

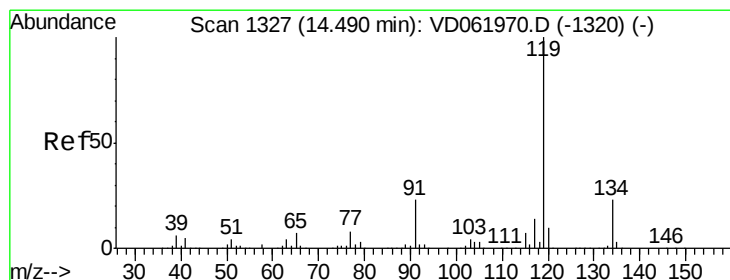
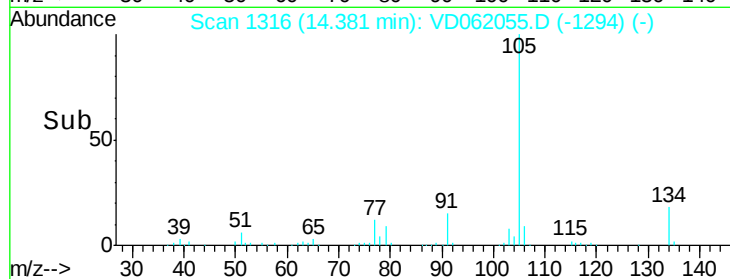
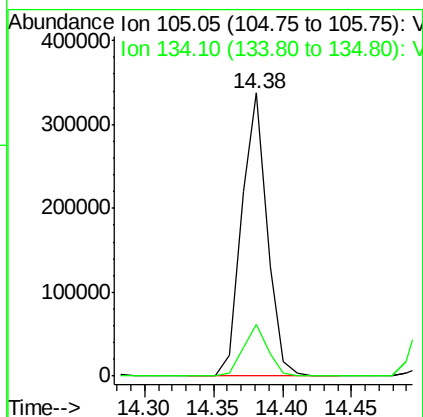
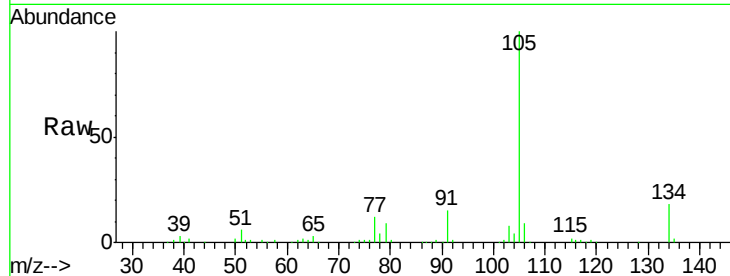




#85
 sec-Butylbenzene
 Concen: 20.526 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

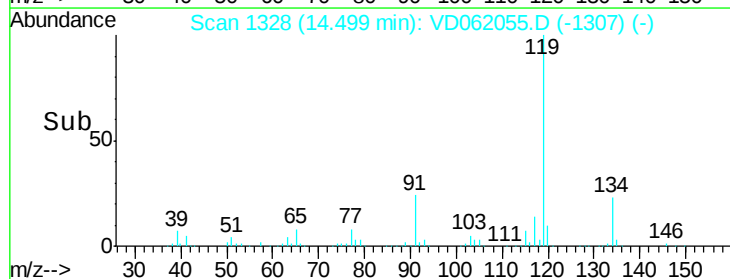
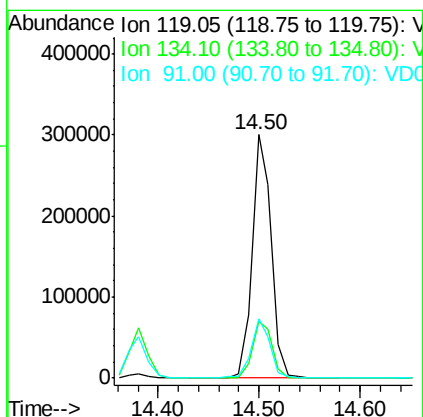
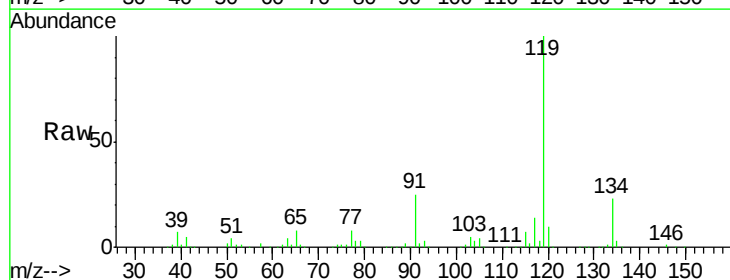
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

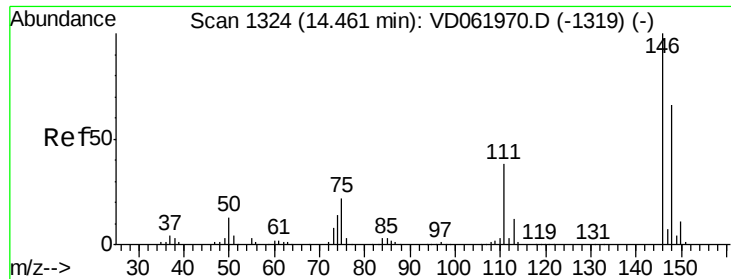
Tot Ion:105 Resp: 436081
 Ion Ratio Lower Upper
 105 100
 134 18.4 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 20.886 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion:119 Resp: 397121
 Ion Ratio Lower Upper
 119 100
 134 23.2 12.8 38.3
 91 24.6 10.7 32.1

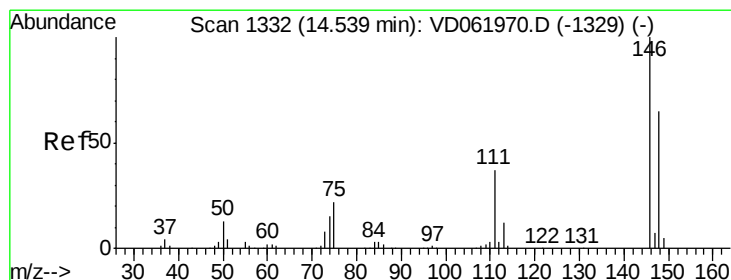
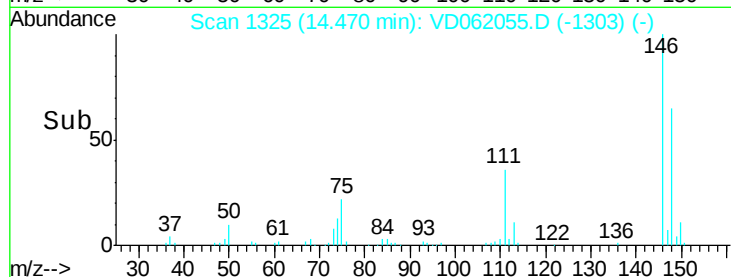
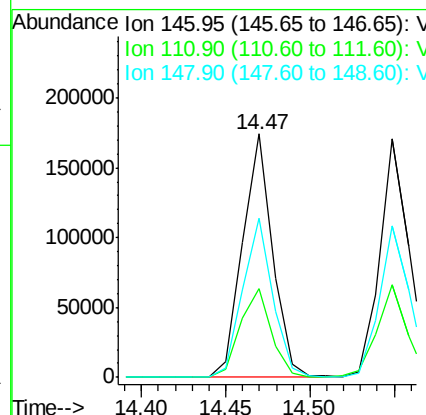
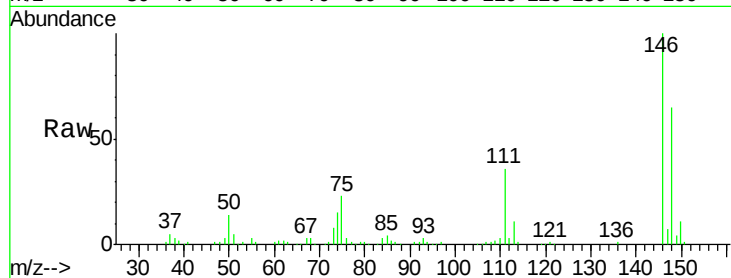




#87
 1,3-Dichlorobenzene
 Concen: 20.236 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

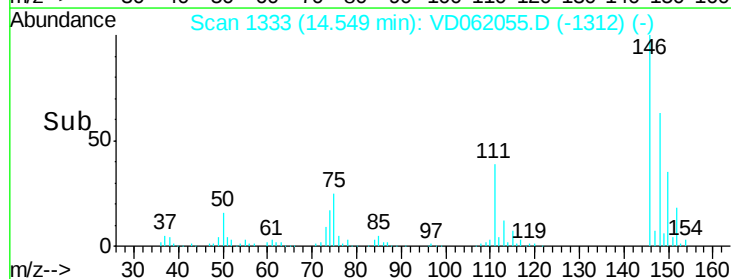
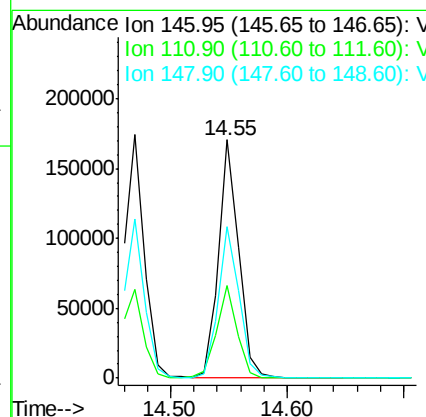
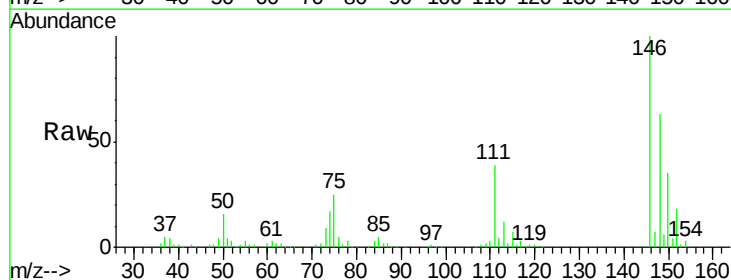
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

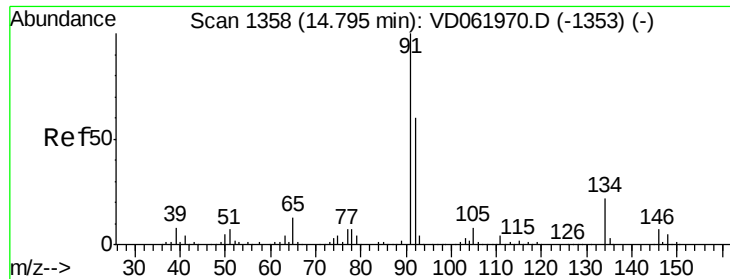
Tot Ion:146 Resp: 216389
 Ion Ratio Lower Upper
 146 100
 111 36.3 20.0 60.0
 148 65.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.528 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion:146 Resp: 205287
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.2 60.5
 148 63.4 32.0 96.2

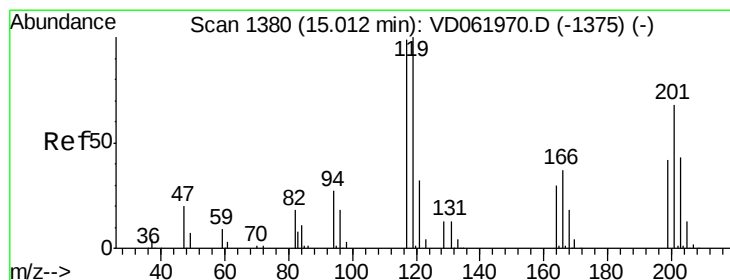
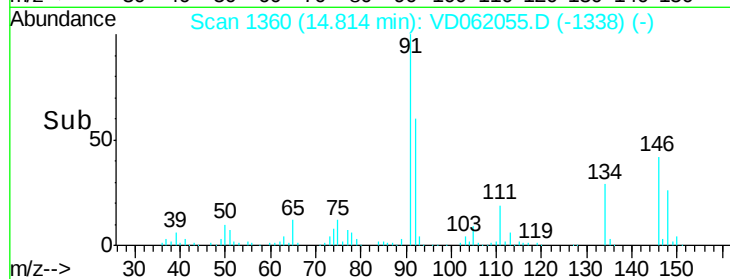
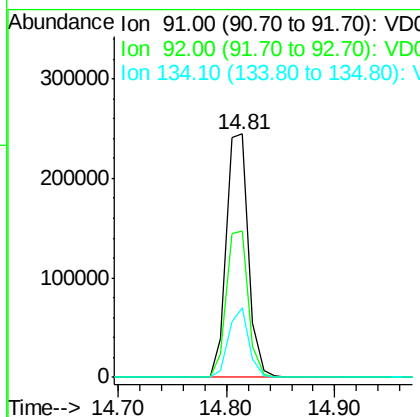
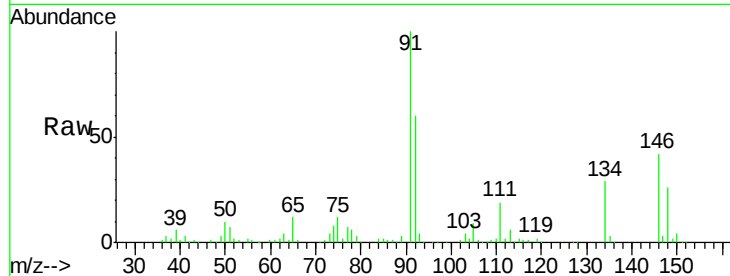




#89
n-Butylbenzene
Concen: 20.526 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

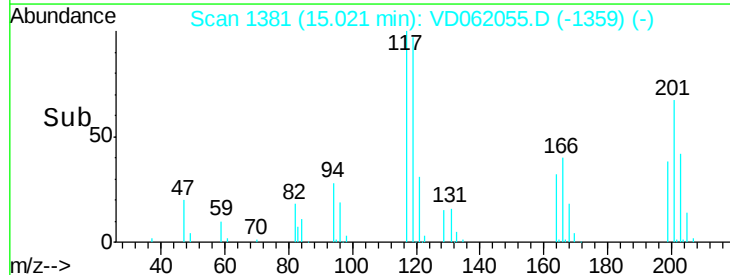
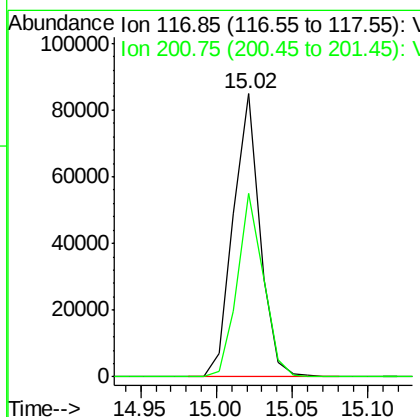
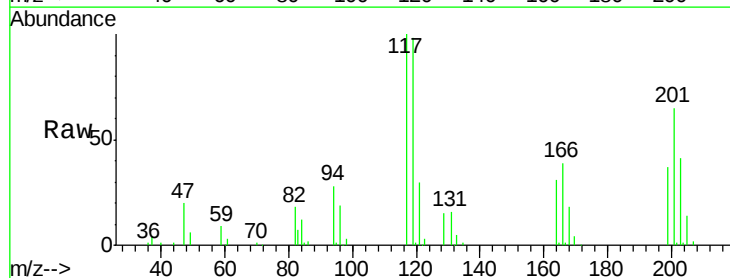
Instrument :
MSVOA_D
ClientSampleId :
VD0426SBS01

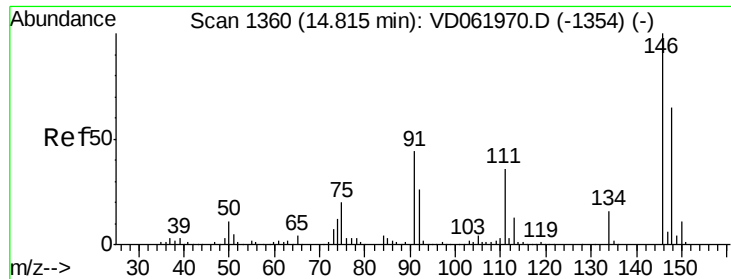
Tot Ion: 91 Resp: 350386
Ion Ratio Lower Upper
91 100
92 60.3 30.3 91.0
134 28.6 14.5 43.6



#90
Hexachloroethane
Concen: 20.158 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062055.D
Acq: 26 Apr 2019 12:05

Tgt Ion: 117 Resp: 103644
Ion Ratio Lower Upper
117 100
201 64.8 30.2 90.6

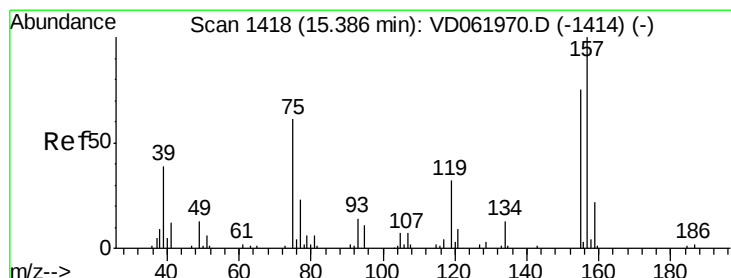
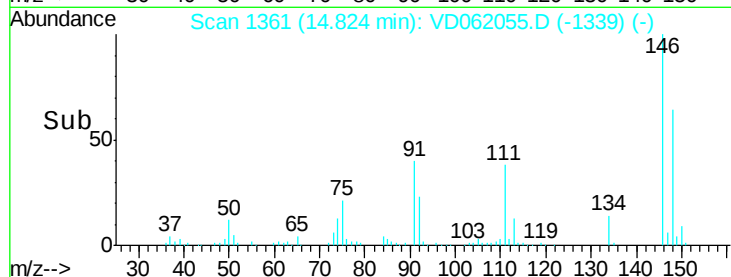
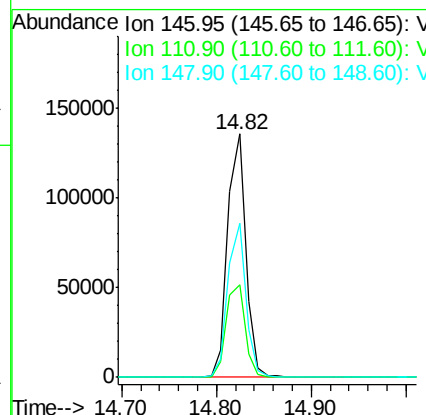
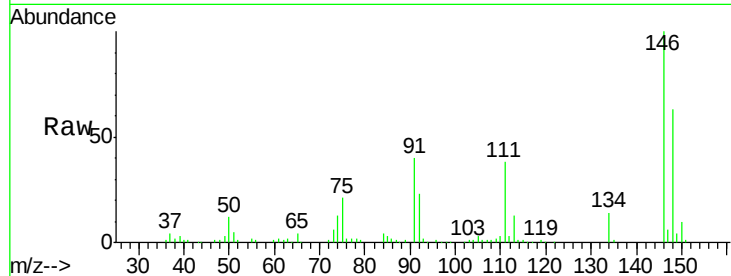




#91
 1,2-Dichlorobenzene
 Concen: 20.557 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

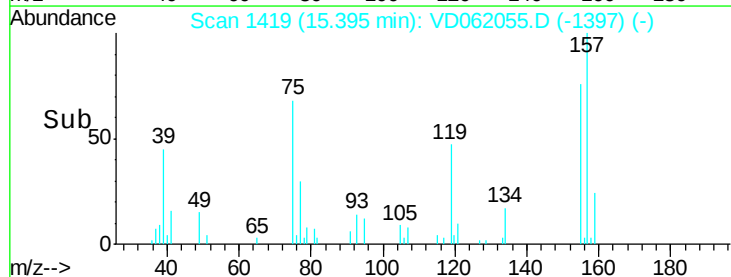
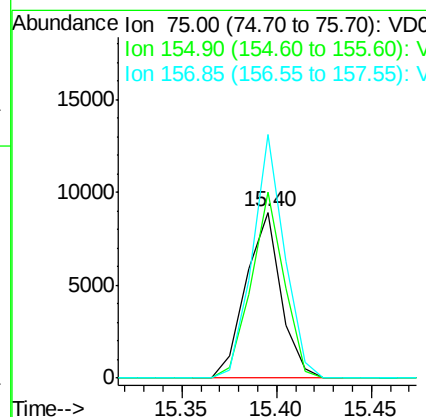
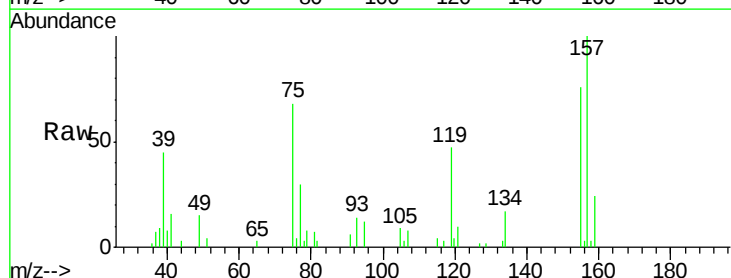
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

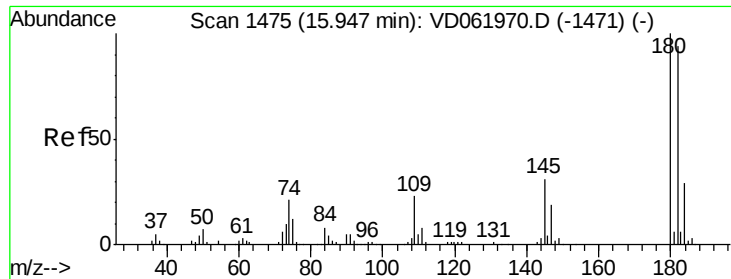
Tot Ion:146 Resp: 181332
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.0 59.9
 148 63.4 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.213 ug/l
 RT: 15.40 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion: 75 Resp: 11435
 Ion Ratio Lower Upper
 75 100
 155 112.2 55.3 165.8
 157 147.0 67.8 203.2

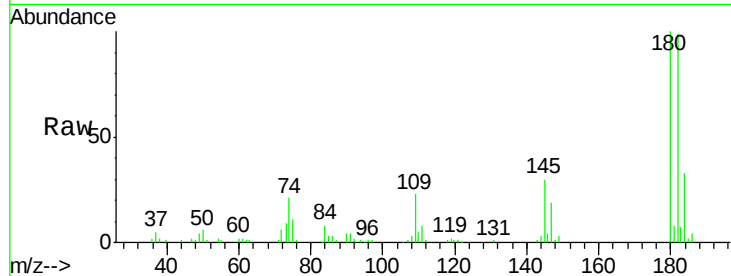




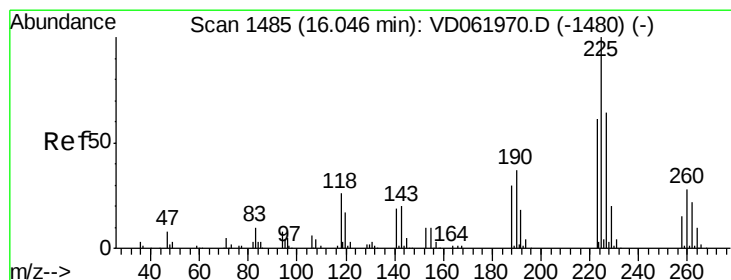
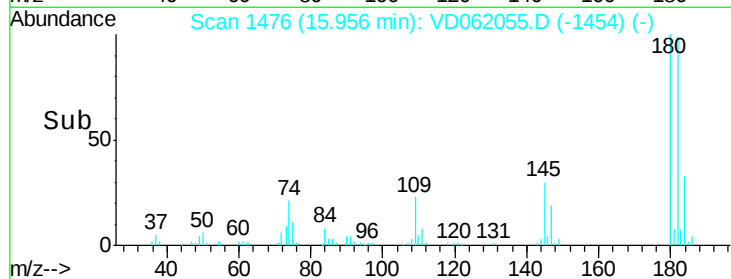
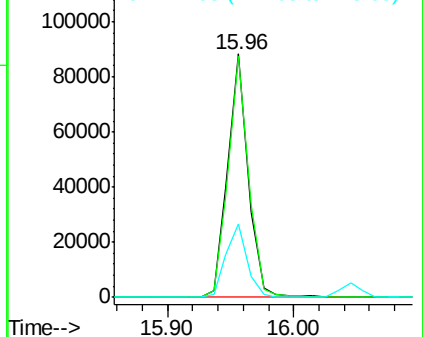
#93
 1,2,4-Trichlorobenzene
 Concen: 20.855 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0426SBS01

Tot Ion:180 Resp: 99258
 Ion Ratio Lower Upper
 180 100
 182 98.9 49.3 147.8
 145 30.1 16.2 48.6

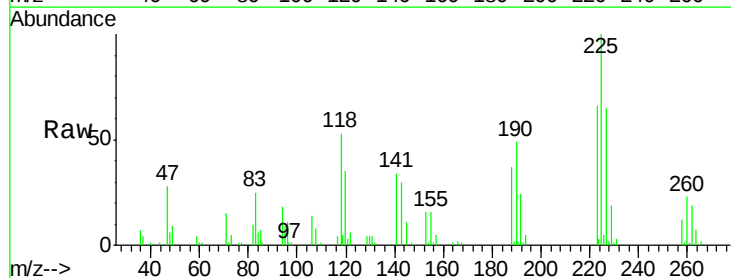


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

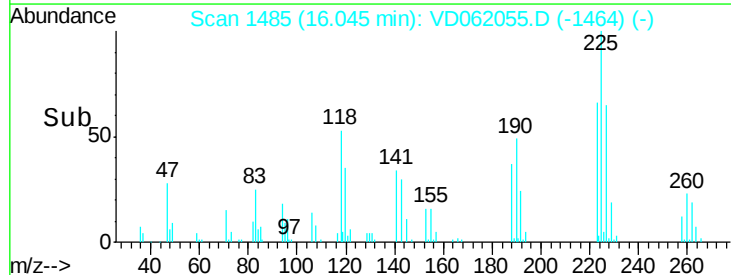
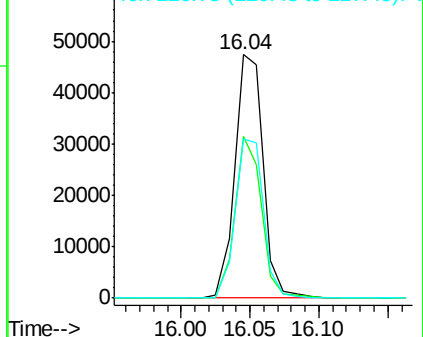


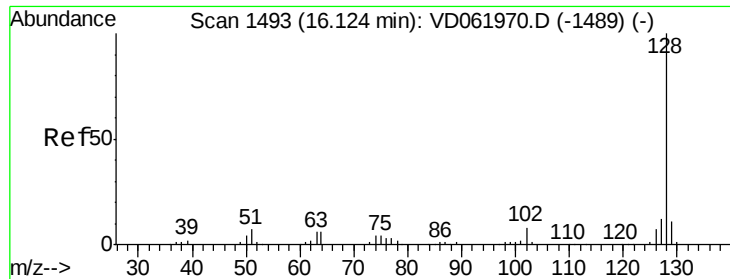
#94
 Hexachlorobutadiene
 Concen: 19.221 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062055.D
 Acq: 26 Apr 2019 12:05

Tgt Ion:225 Resp: 67697
 Ion Ratio Lower Upper
 225 100
 223 66.3 30.6 92.0
 227 65.1 32.0 96.2



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: 18.642 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

VD0426SBS01

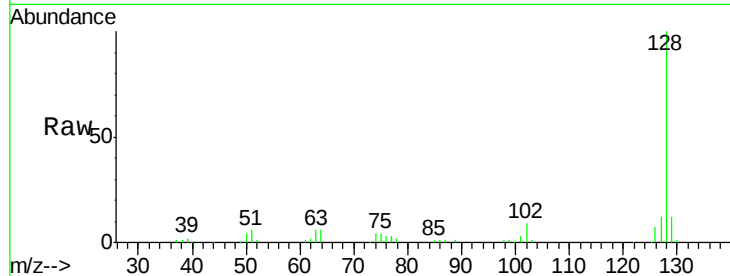
Tot Ion:128 Resp: 143255

Ion Ratio Lower Upper

128 100

127 11.5 9.8 14.8

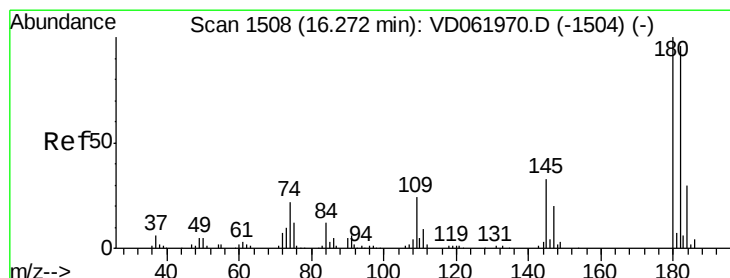
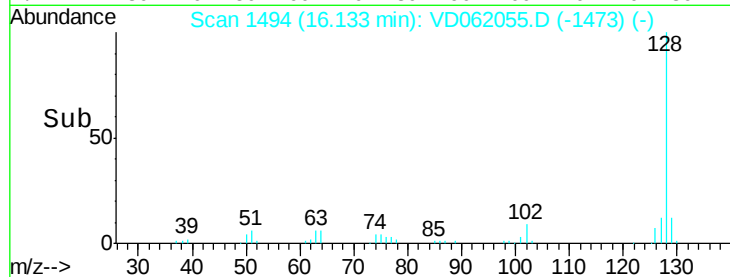
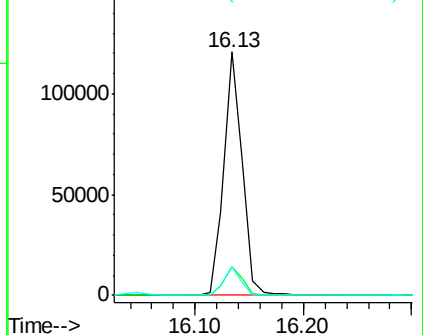
129 11.9 8.8 13.2



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: 22.767 ug/l

RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062055.D

Acq: 26 Apr 2019 12:05

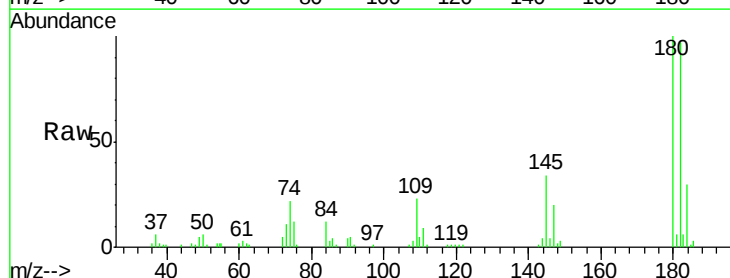
Tgt Ion:180 Resp: 61480

Ion Ratio Lower Upper

180 100

182 97.3 47.0 141.0

145 34.0 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

