

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061425.D
 Acq On : 29 Mar 2019 13:09
 Operator : VA/AP
 Sample : VD0329SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

Quant Time: Mar 29 22:36:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	722671	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1233422	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	946293	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	435420	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	302404	48.99	ug/l	0.03
Spiked Amount			Recovery	=	97.98%	
35) Dibromofluoromethane	6.94	113	495841	52.61	ug/l	0.04
Spiked Amount			Recovery	=	105.22%	
50) Toluene-d8	10.42	98	1116360	49.38	ug/l	0.04
Spiked Amount			Recovery	=	98.76%	
62) 4-Bromofluorobenzene	13.56	95	430133	49.62	ug/l	0.02
Spiked Amount			Recovery	=	99.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	163029	21.124	ug/l	96
3) Chloromethane	1.77	50	132530	21.056	ug/l	97
4) Vinyl Chloride	1.87	62	118012	20.420	ug/l	92
5) Bromomethane	2.16	94	20140	17.574	ug/l #	97
6) Chloroethane	2.27	64	31438	18.550	ug/l	97
7) Trichlorofluoromethane	2.54	101	170207	20.253	ug/l	97
8) Diethyl Ether	2.88	74	53596	19.808	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.16	101	181983	20.142	ug/l	97
10) Methyl Iodide	3.33	142	236046	19.460	ug/l	95
11) Tert butyl alcohol	4.08	59	37434	97.369	ug/l	98
12) 1,1-Dichloroethene	3.14	96	158270	20.404	ug/l	93
13) Acrolein	3.05	56	29457	85.484	ug/l	97
14) Allyl chloride	3.64	41	225579	20.850	ug/l	98
15) Acrylonitrile	4.21	53	140203	105.070	ug/l	93
16) Acetone	3.24	43	146563	92.355	ug/l	99
17) Carbon Disulfide	3.40	76	504471	20.017	ug/l	100
18) Methyl Acetate	3.66	43	69645	20.873	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	267756	19.941	ug/l	100
20) Methylene Chloride	3.84	84	209021	22.454	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	176541	21.080	ug/l	98
22) Diisopropyl ether	5.13	45	490318	21.416	ug/l	93
23) Vinyl Acetate	5.07	43	1350507	108.594	ug/l	98
24) 1,1-Dichloroethane	5.00	63	275234	20.456	ug/l	99
25) 2-Butanone	6.08	43	194438	97.401	ug/l	98
26) 2,2-Dichloropropane	6.04	77	233545	21.835	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	196590	21.425	ug/l	98
28) Bromochloromethane	6.46	49	106480	19.605	ug/l #	92
29) Tetrahydrofuran	6.48	42	107293	110.889	ug/l	98
30) Chloroform	6.68	83	296065	21.295	ug/l	97
31) Cyclohexane	6.97	56	236653	22.257	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	257625	21.004	ug/l	96
36) 1,1-Dichloropropene	7.17	75	224170	20.824	ug/l	99
37) Ethyl Acetate	6.19	43	91089	19.785	ug/l #	96
38) Carbon Tetrachloride	7.13	117	250345	20.238	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	239477	21.360	ug/l	99
40) Benzene	7.47	78	545555	20.193	ug/l	97
41) Methacrylonitrile	6.46	41	118367	21.989	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	167313	20.703	ug/l	98
43) Isopropyl Acetate	9.25	43	145705	21.751	ug/l	95
44) Trichloroethene	8.55	130	204438	20.333	ug/l	97
45) 1,2-Dichloropropane	8.95	63	140556	20.517	ug/l	95
46) Dibromomethane	9.08	93	93963	20.378	ug/l	95
47) Bromodichloromethane	9.39	83	224002	21.644	ug/l	98
48) Methyl methacrylate	9.13	41	76150	20.598	ug/l	99
49) 1,4-Dioxane	9.09	88	18283	448.372	ug/l #	81
51) 4-Methyl-2-Pentanone	10.31	43	415883	102.047	ug/l	98
52) Toluene	10.51	92	340389	20.652	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	193218	20.549	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	244969	21.396	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	120479	20.901	ug/l	97
56) Ethyl methacrylate	11.05	69	121435	19.610	ug/l	98
57) 1,3-Dichloropropane	11.42	76	172251	20.331	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	347447	115.214	ug/l	98
59) 2-Hexanone	11.54	43	299404	101.398	ug/l	99
60) Dibromochloromethane	11.69	129	180387	20.299	ug/l	99
61) 1,2-Dibromoethane	11.81	107	140529	21.054	ug/l	98
64) Tetrachloroethene	11.27	164	152435	20.525	ug/l	96
65) Chlorobenzene	12.40	112	416113	21.517	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	168641	22.522	ug/l	99
67) Ethyl Benzene	12.53	91	676543	22.919	ug/l	97
68) m/p-Xylenes	12.68	106	498328	44.566	ug/l	98
69) o-Xylene	13.05	106	252156	23.238	ug/l	98
70) Styrene	13.08	104	418740	22.137	ug/l	99
71) Bromoform	13.24	173	95863	20.196	ug/l #	98
73) Isopropylbenzene	13.41	105	662087	21.848	ug/l	97
74) N-amyl acetate	13.27	43	161769	19.162	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	132093	20.663	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	130459	20.742	ug/l	98
77) Bromobenzene	13.67	156	180628	20.105	ug/l	97
78) n-propylbenzene	13.78	91	841789	22.698	ug/l	98
79) 2-Chlorotoluene	13.85	91	438016	21.752	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	539355	22.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	37052	19.321	ug/l #	88
82) 4-Chlorotoluene	13.95	91	499749	22.824	ug/l	87
83) tert-Butylbenzene	14.19	119	600130	20.423	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	563421	22.133	ug/l	99
85) sec-Butylbenzene	14.37	105	705420	22.597	ug/l	99
86) p-Isopropyltoluene	14.50	119	579989	21.972	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	309146	20.320	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	313755	21.148	ug/l	94
89) n-Butylbenzene	14.81	91	548459	22.637	ug/l	99
90) Hexachloroethane	15.01	117	153115	20.532	ug/l	73
91) 1,2-Dichlorobenzene	14.81	146	274106	21.965	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	14627	19.508	ug/l	94

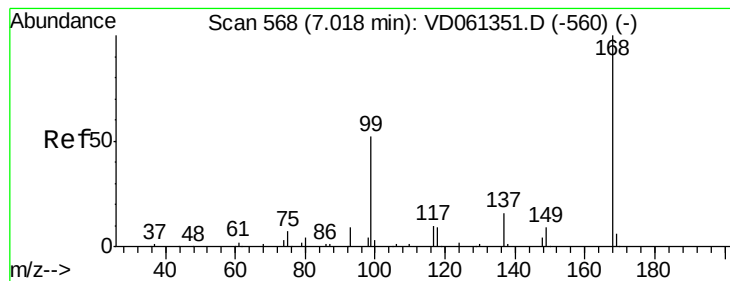
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032919\
Data File : VD061425.D
Acq On : 29 Mar 2019 13:09
Operator : VA/AP
Sample : VD0329SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	123117	21.658	ug/l	98
94) Hexachlorobutadiene	16.05	225	92348	20.789	ug/l	96
95) Naphthalene	16.13	128	175197	20.219	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	54728	21.878	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

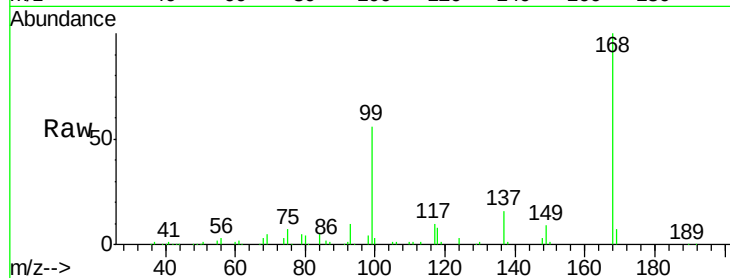
VD0329SBSD01

Tot Ion:168 Resp: 722671

Ion Ratio Lower Upper

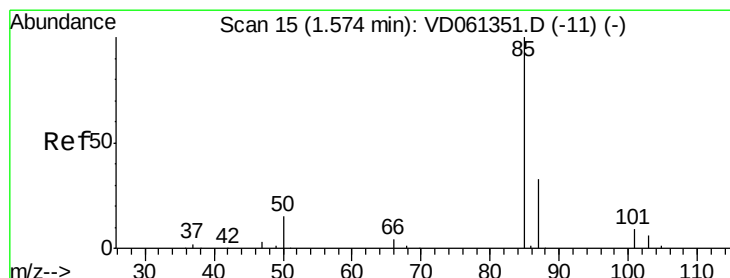
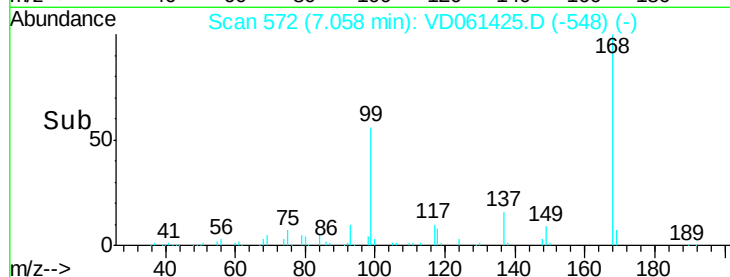
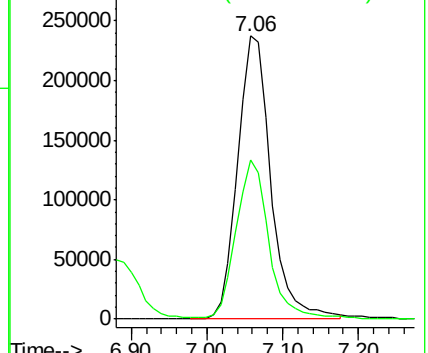
168 100

99 56.2 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.124 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061425.D

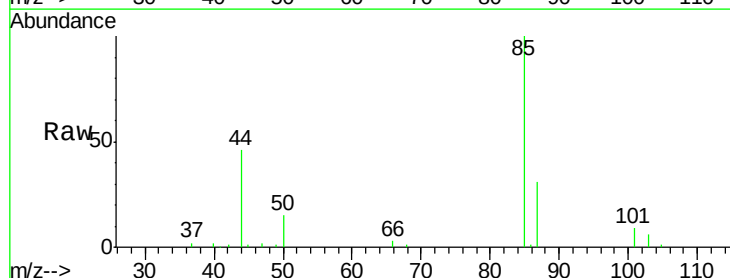
Acq: 29 Mar 2019 13:09

Tgt Ion: 85 Resp: 163029

Ion Ratio Lower Upper

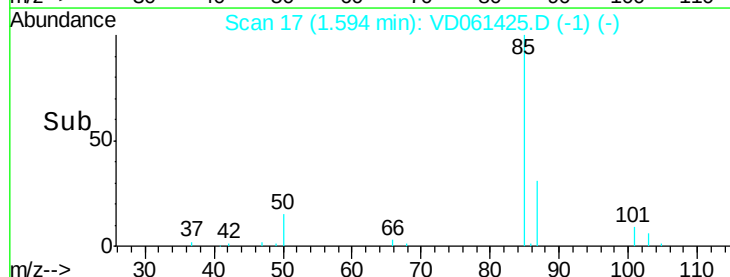
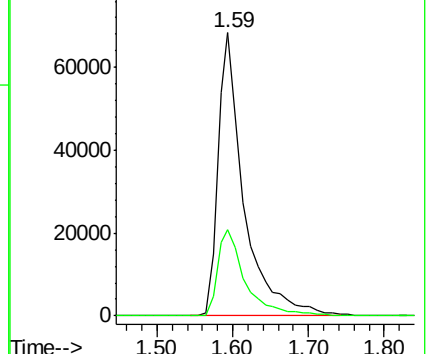
85 100

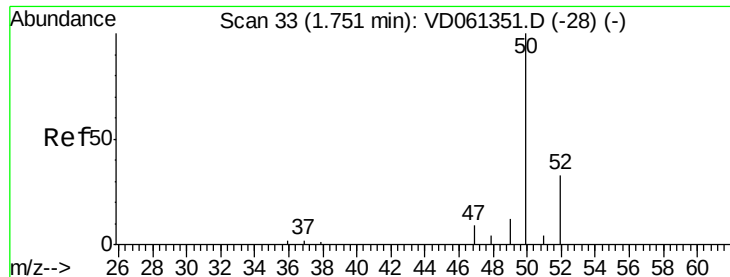
87 30.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.056 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

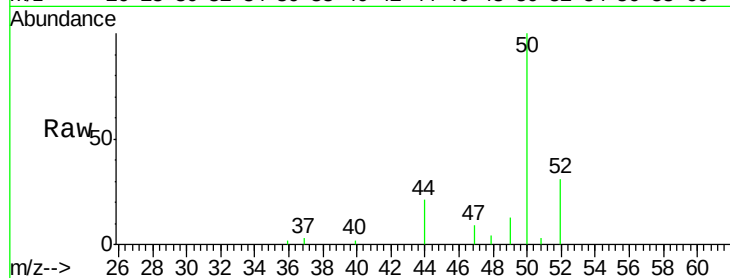
VD0329SBSD01

Tot Ion: 50 Resp: 132530

Ion Ratio Lower Upper

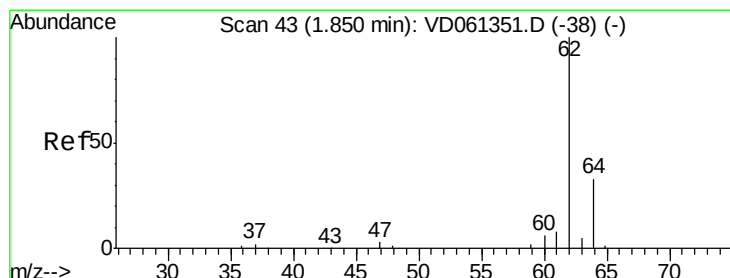
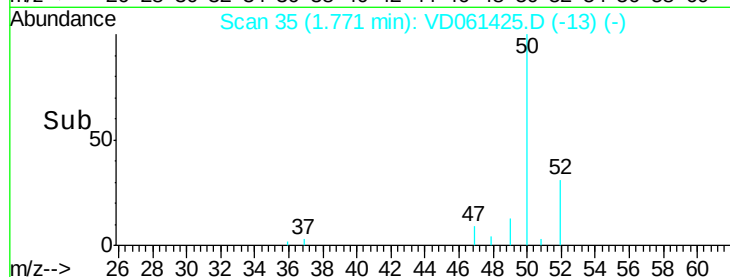
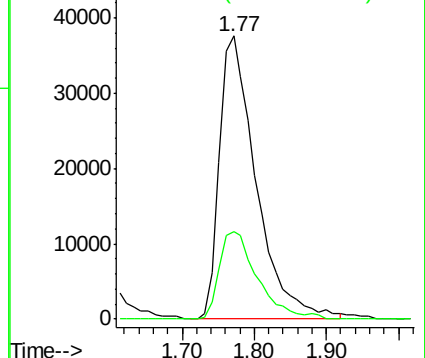
50 100

52 30.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.420 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.02 min

Lab File: VD061425.D

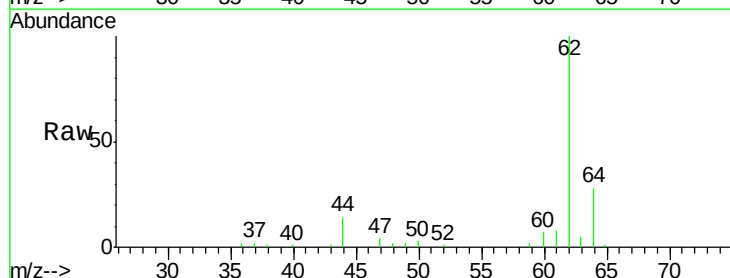
Acq: 29 Mar 2019 13:09

Tgt Ion: 62 Resp: 118012

Ion Ratio Lower Upper

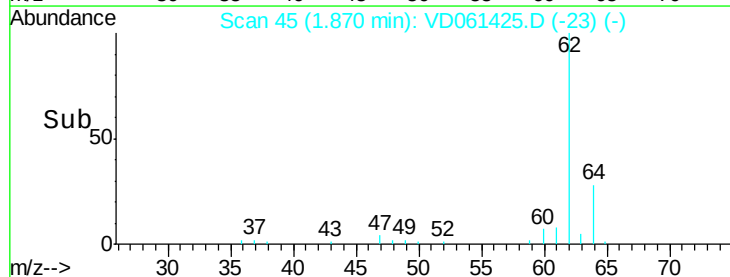
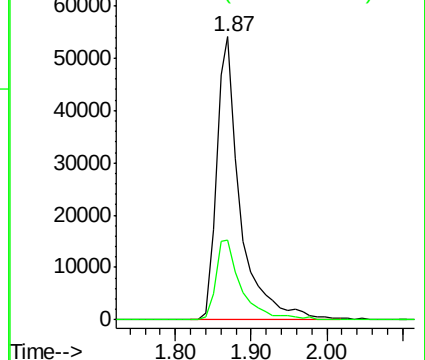
62 100

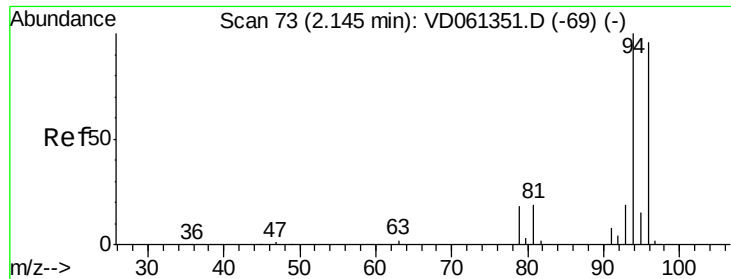
64 28.4 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

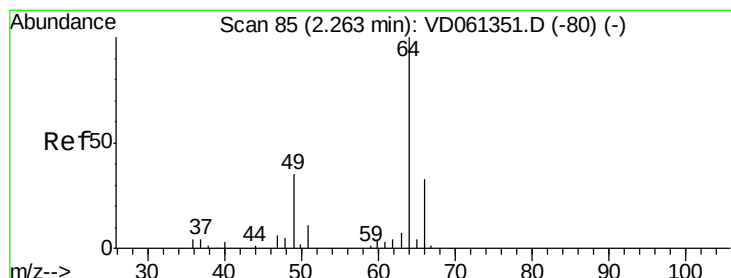
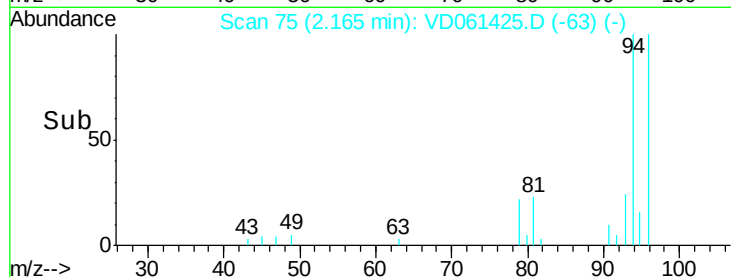
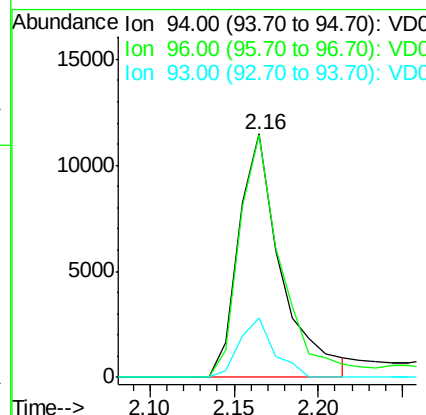
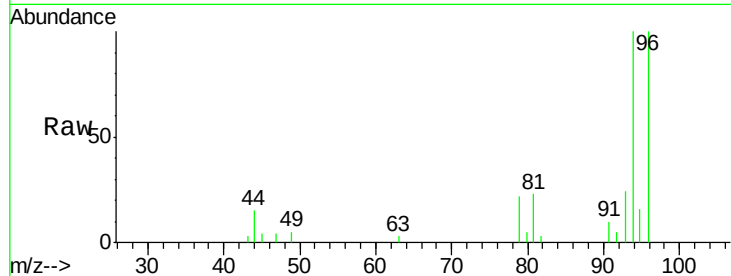




#5
Bromomethane
Concen: 17.574 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

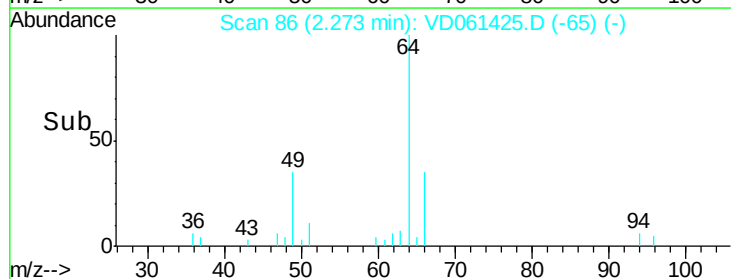
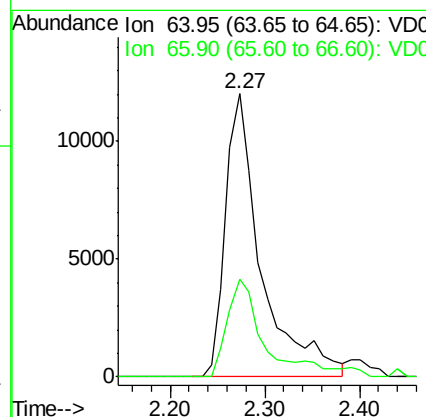
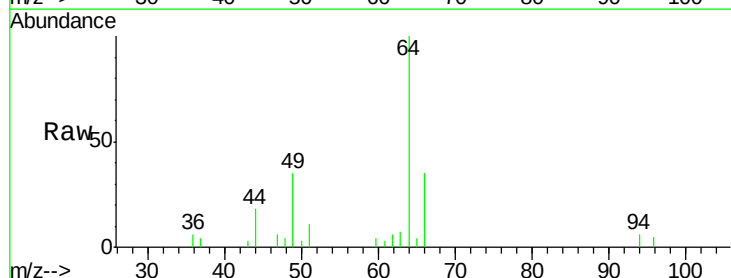
Instrument :
MSVOA_D
ClientSampleId :
VD0329SBSD01

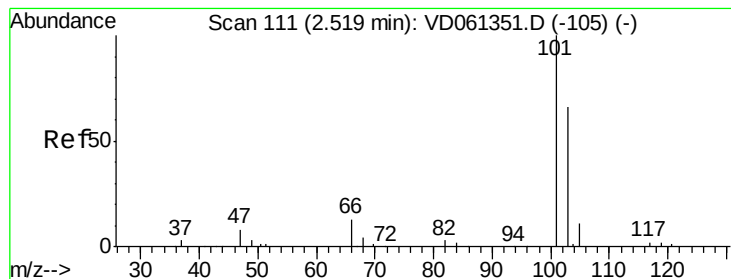
Tot Ion: 94 Resp: 20140
Ion Ratio Lower Upper
94 100
96 99.6 78.3 117.5
93 24.2 15.6 23.4#



#6
Chloroethane
Concen: 18.550 ug/l
RT: 2.27 min Scan# 86
Delta R.T. 0.01 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 64 Resp: 31438
Ion Ratio Lower Upper
64 100
66 34.6 26.2 39.2



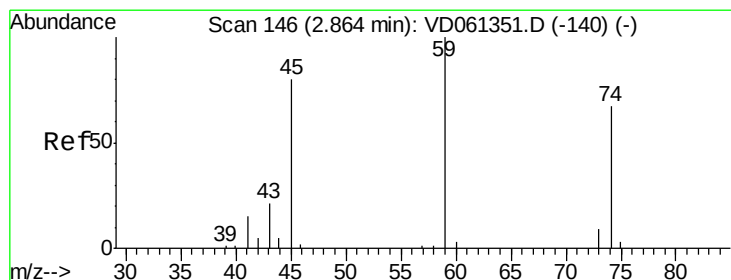
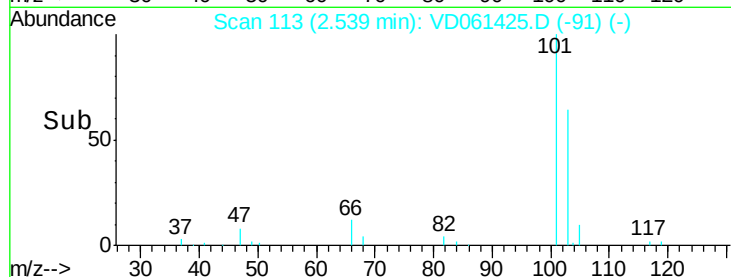
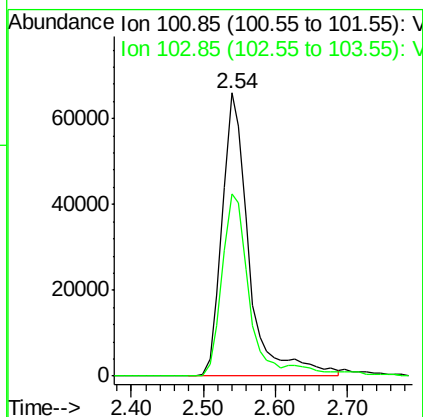
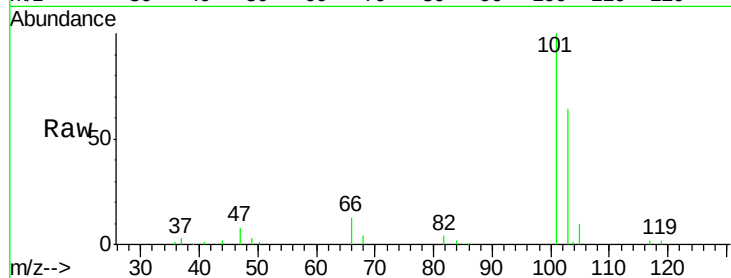


#7

Trichlorofluoromethane
 Concen: 20.253 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBSD01

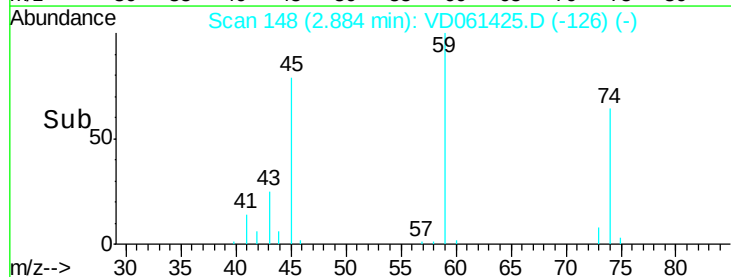
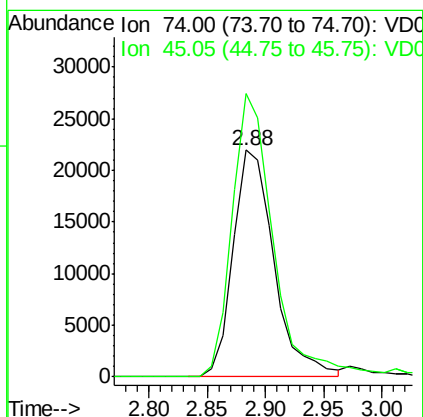
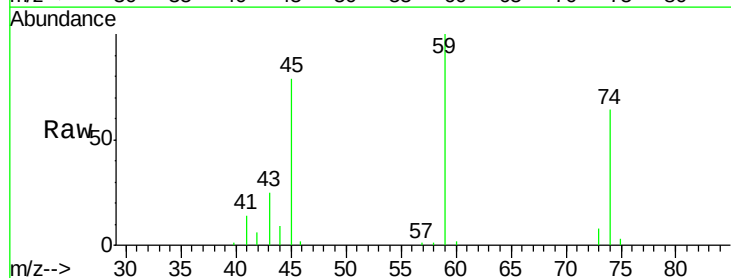
Tot Ion:101 Resp: 170207
 Ion Ratio Lower Upper
 101 100
 103 64.3 53.1 79.7

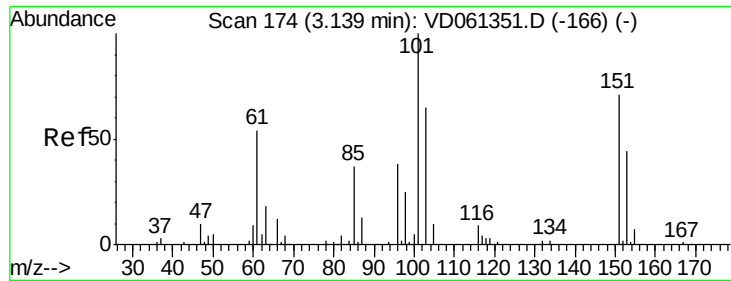


#8

Diethyl Ether
 Concen: 19.808 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 74 Resp: 53596
 Ion Ratio Lower Upper
 74 100
 45 124.7 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.142 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBSD01

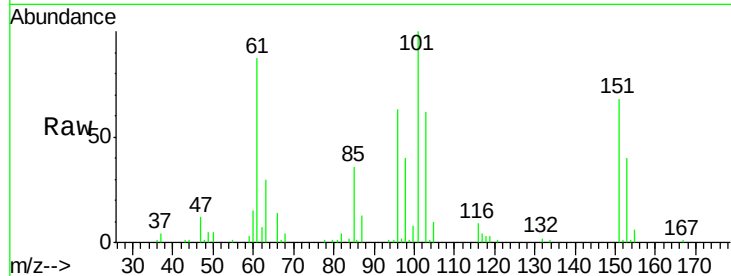
Tot Ion:101 Resp: 181983

Ion Ratio Lower Upper

101 100

85 36.1 29.4 44.0

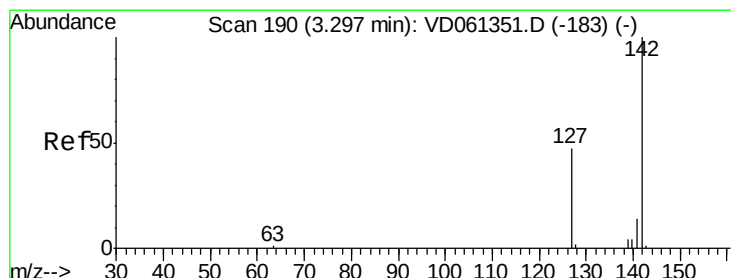
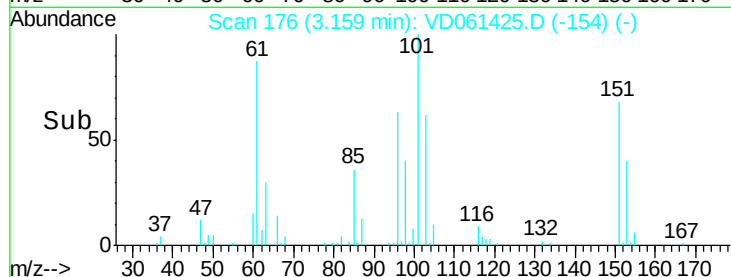
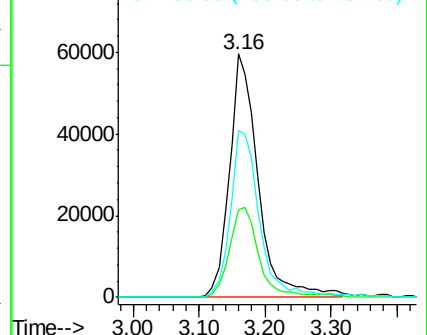
151 68.3 57.0 85.4



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: 19.460 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

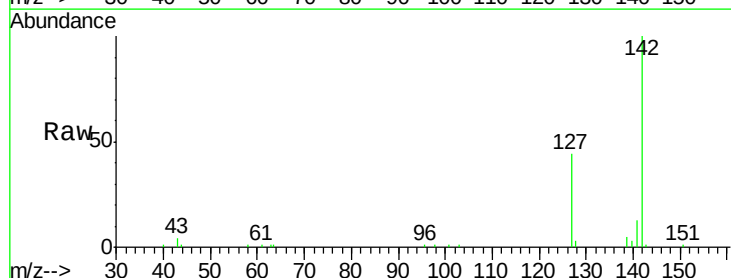
Tgt Ion:142 Resp: 236046

Ion Ratio Lower Upper

142 100

127 43.7 37.7 56.5

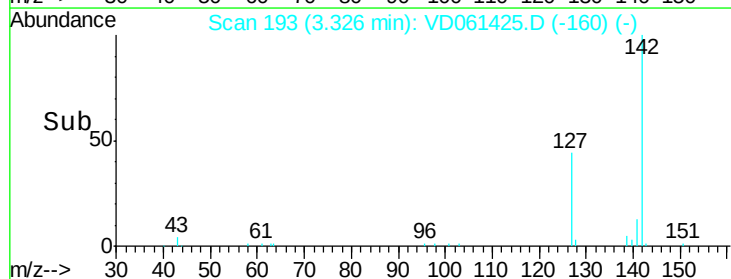
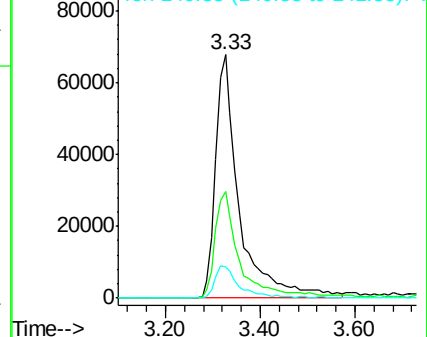
141 12.7 11.5 17.3

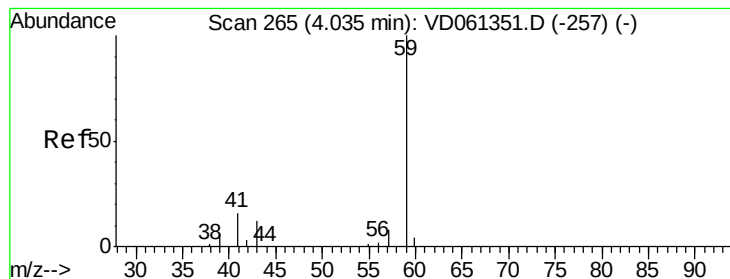


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



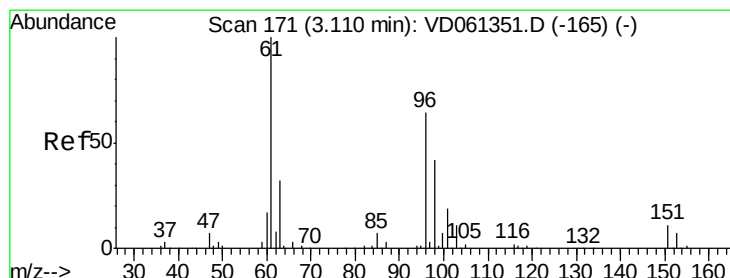
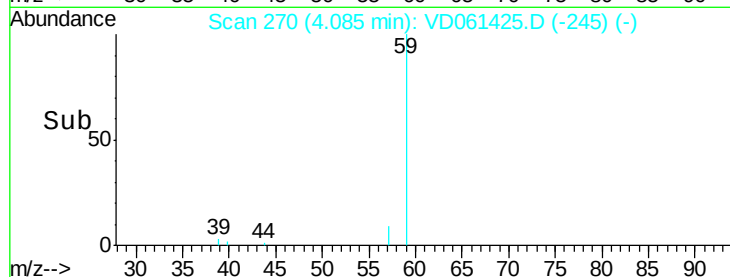
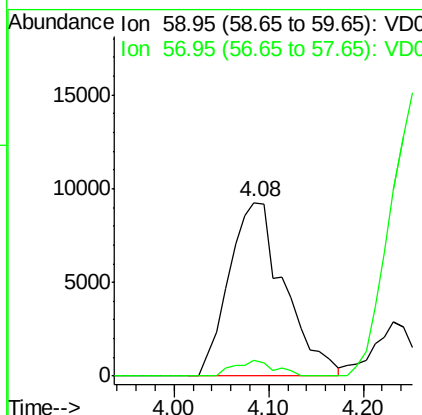
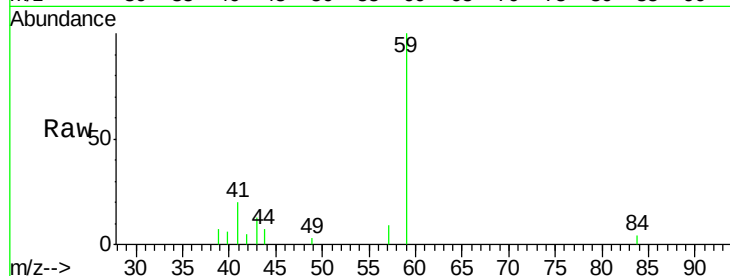


#11

Tert butyl alcohol
 Concen: 97.369 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.05 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBSD01

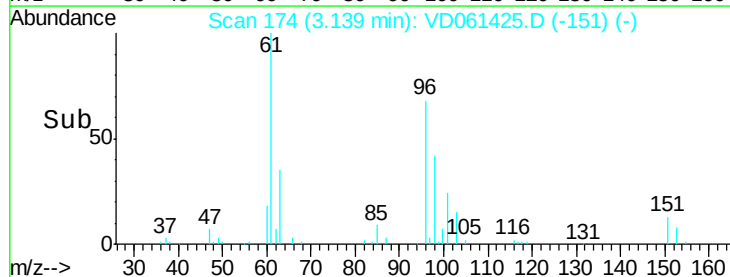
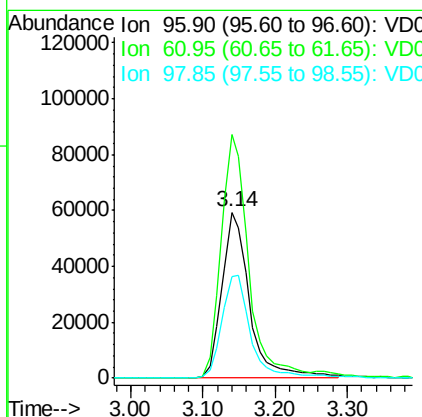
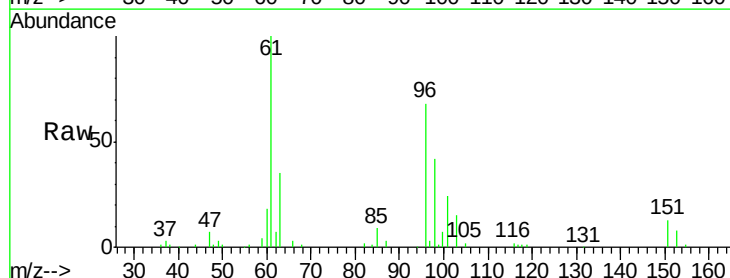
Tot Ion: 59 Resp: 37434
 Ion Ratio Lower Upper
 59 100
 57 9.2 6.7 10.1

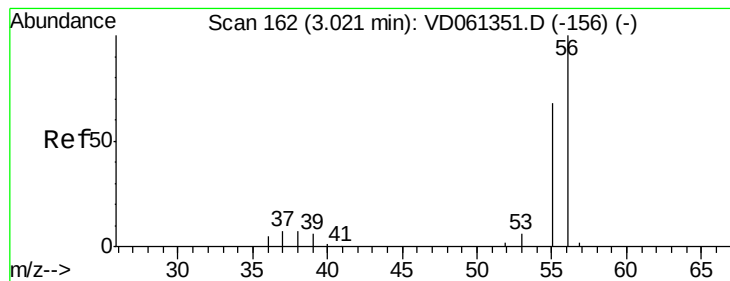


#12

1,1-Dichloroethene
 Concen: 20.404 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.03 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 96 Resp: 158270
 Ion Ratio Lower Upper
 96 100
 61 147.0 124.9 187.3
 98 61.1 52.5 78.7





#13

Acrolein

Concen: 85.484 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

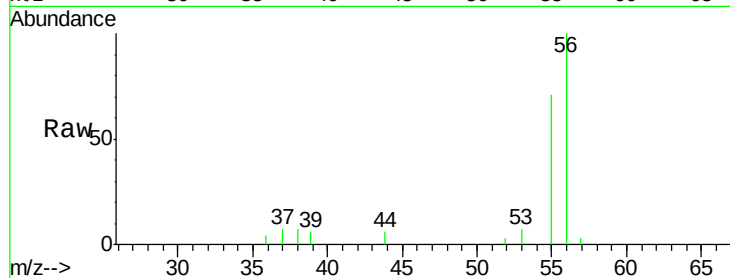
VD0329SBSD01

Tot Ion: 56 Resp: 29457

Ion Ratio Lower Upper

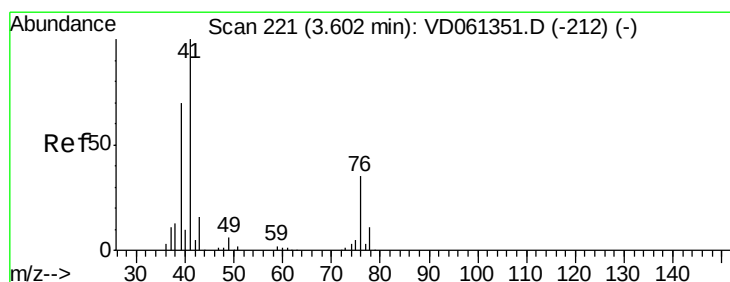
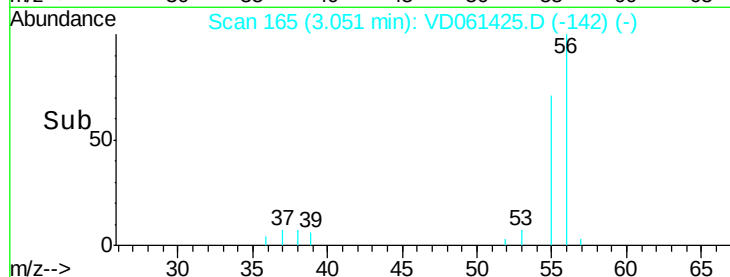
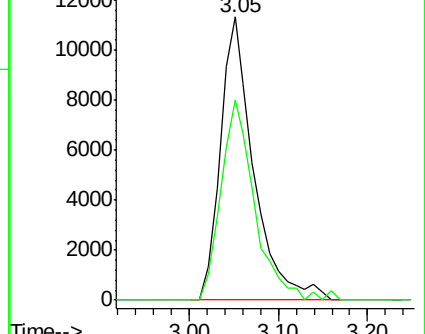
56 100

55 70.9 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.850 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

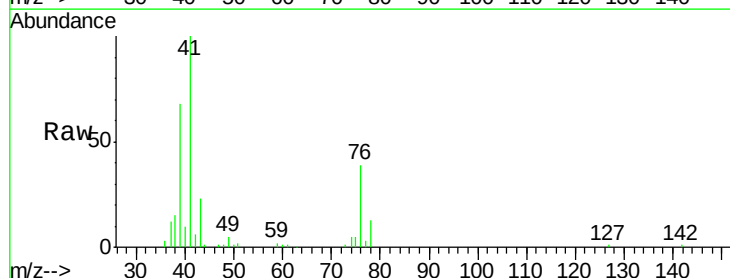
Tgt Ion: 41 Resp: 225579

Ion Ratio Lower Upper

41 100

39 67.6 55.6 83.4

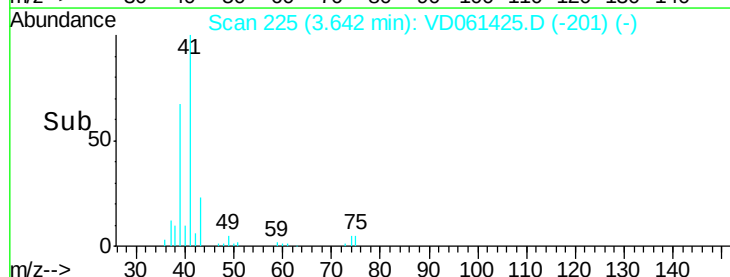
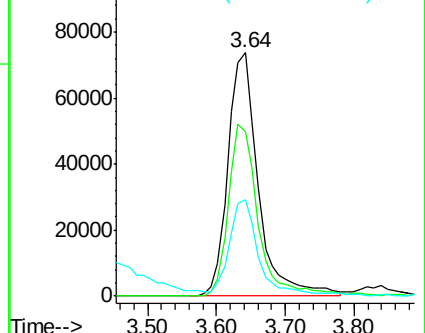
76 39.5 31.0 46.6

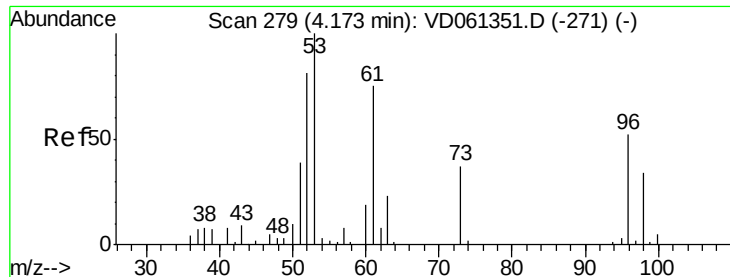


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 105.070 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

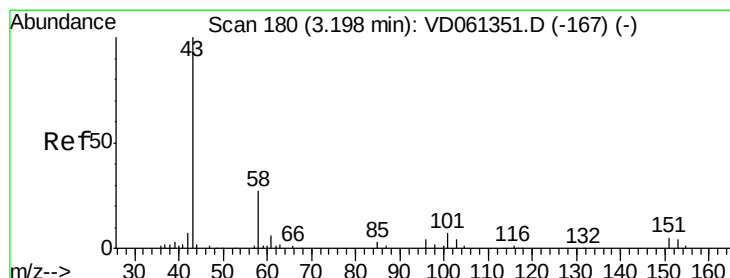
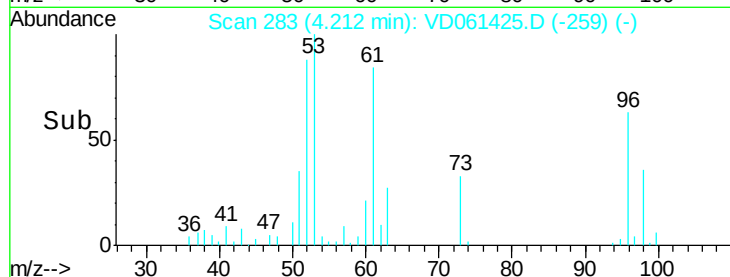
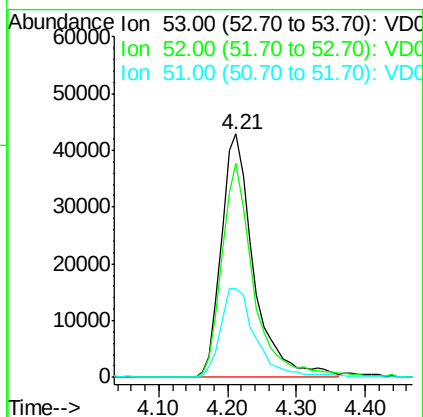
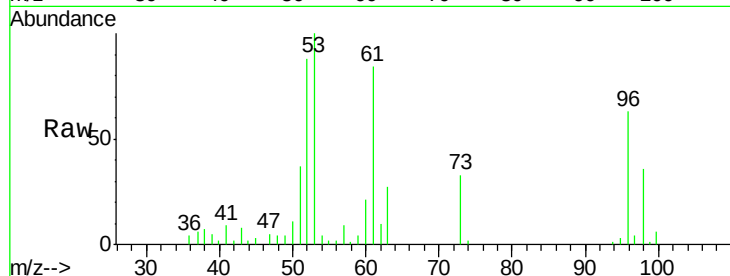
Tot Ion: 53 Resp: 140203

Ion Ratio Lower Upper

53 100

52 88.1 64.8 97.2

51 36.7 31.4 47.2



#16

Acetone

Concen: 92.355 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD061425.D

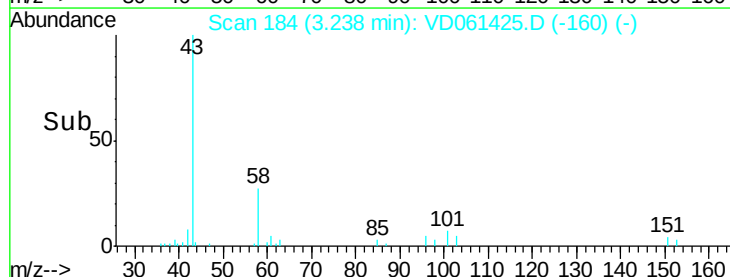
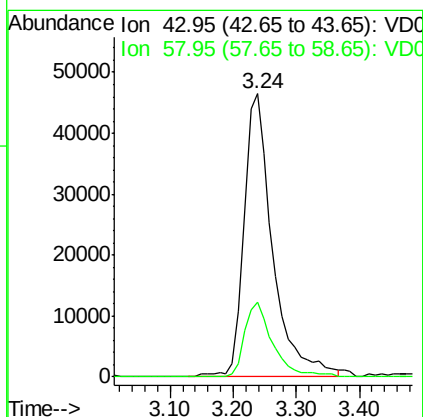
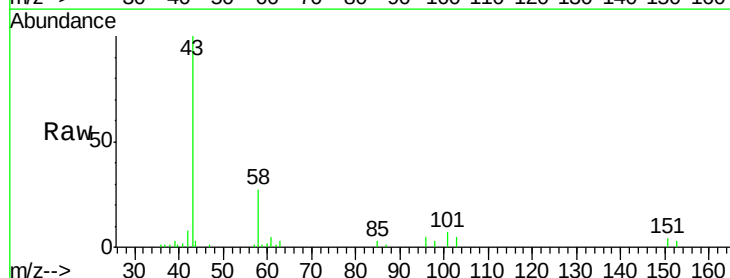
Acq: 29 Mar 2019 13:09

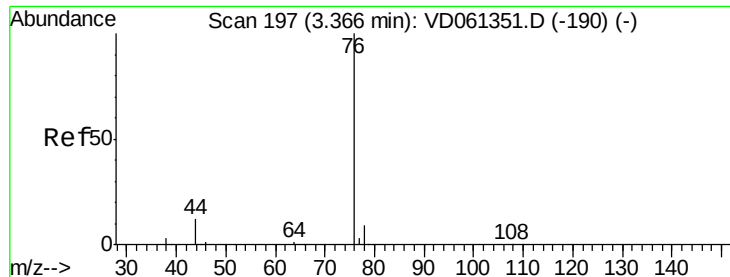
Tgt Ion: 43 Resp: 146563

Ion Ratio Lower Upper

43 100

58 26.5 21.5 32.3

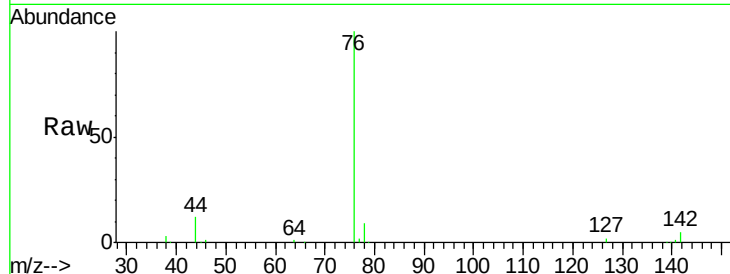




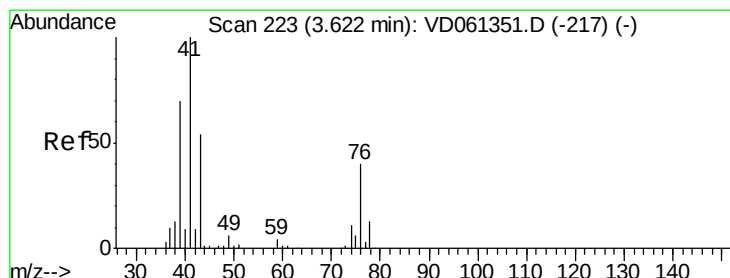
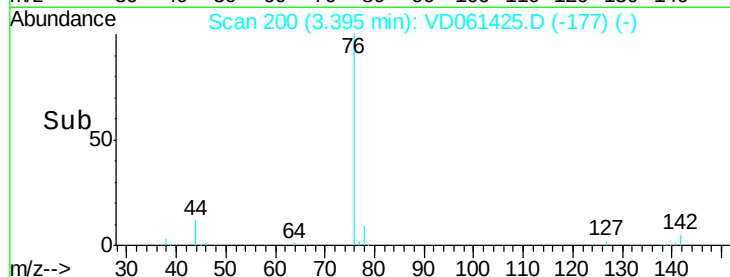
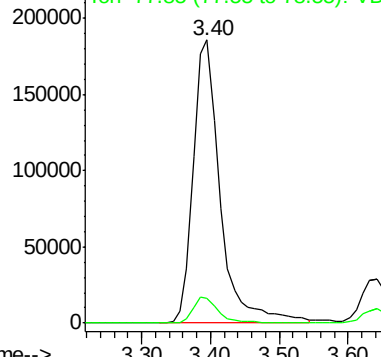
#17
Carbon Disulfide
Concen: 20.017 ug/l
RT: 3.40 min Scan# 200
Delta R.T. 0.03 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0329SBSD01

Tot Ion: 76 Resp: 504471
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

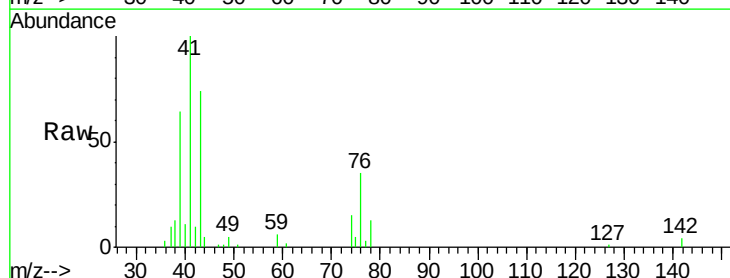


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

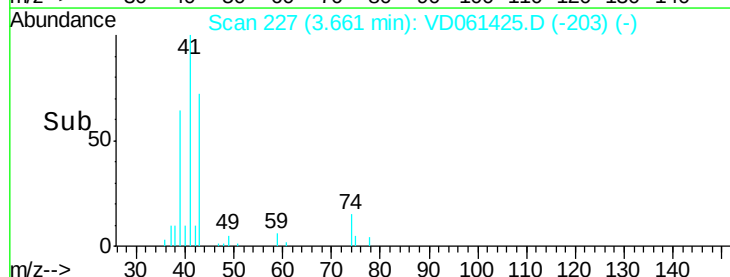
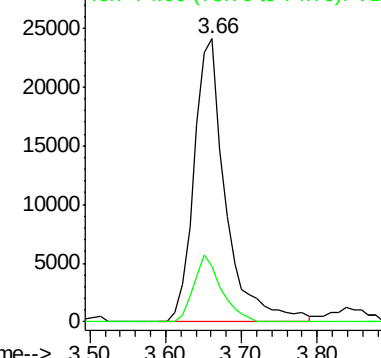


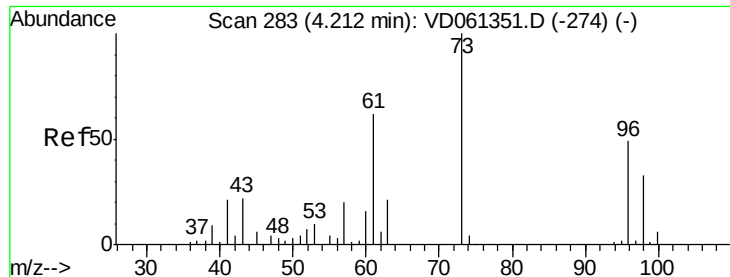
#18
Methyl Acetate
Concen: 20.873 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 43 Resp: 69645
Ion Ratio Lower Upper
43 100
74 19.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

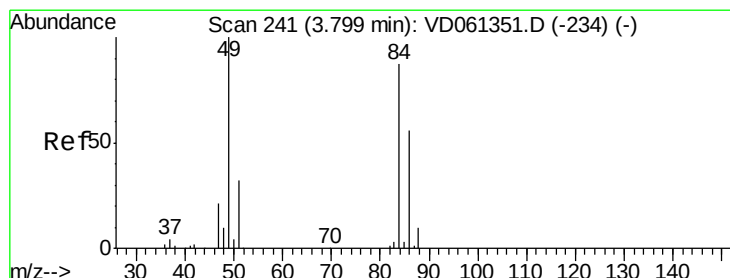
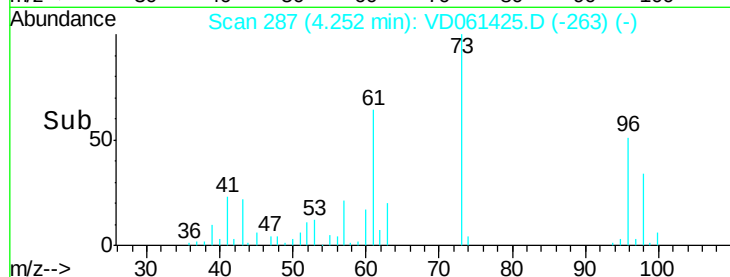
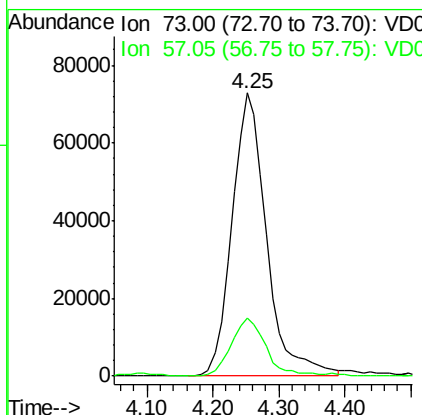
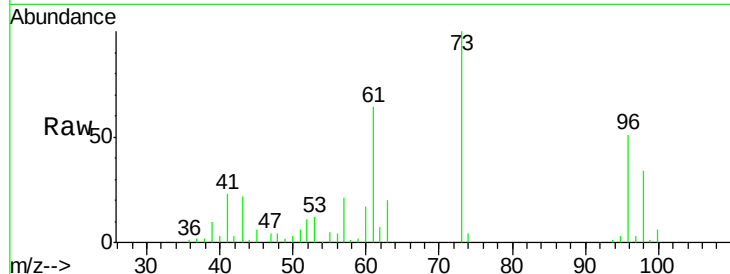




#19
Methyl tert-butyl Ether
Concen: 19.941 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

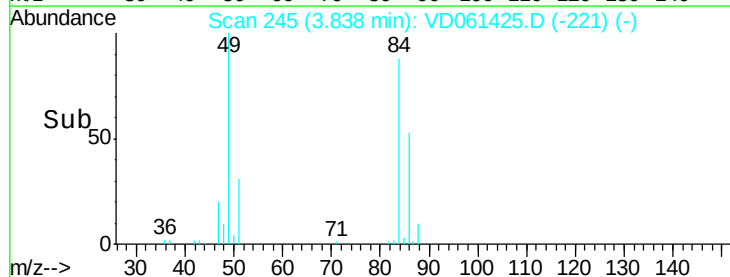
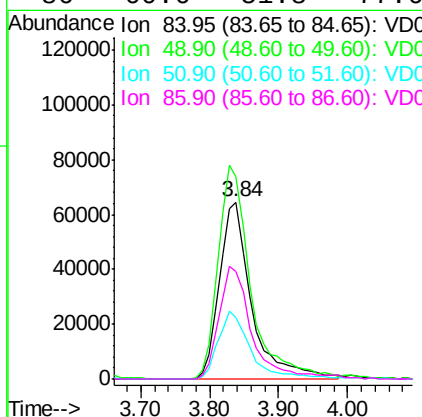
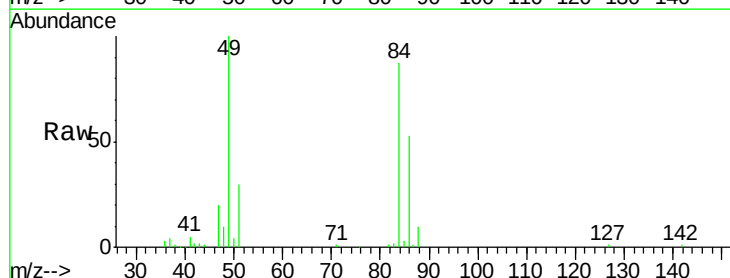
Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

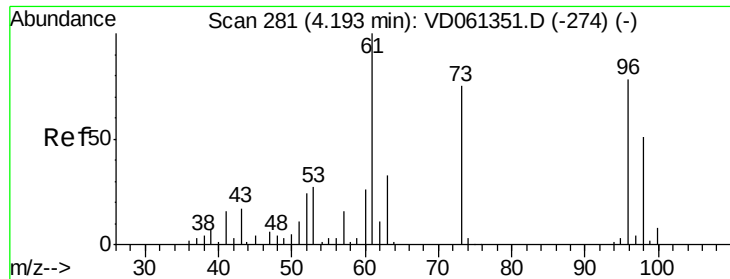
Tot Ion: 73 Resp: 267756
Ion Ratio Lower Upper
73 100
57 20.7 16.4 24.6



#20
Methylene Chloride
Concen: 22.454 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 84 Resp: 209021
Ion Ratio Lower Upper
84 100
49 114.4 91.8 137.8
51 34.8 29.8 44.8
86 60.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.080 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBSD01

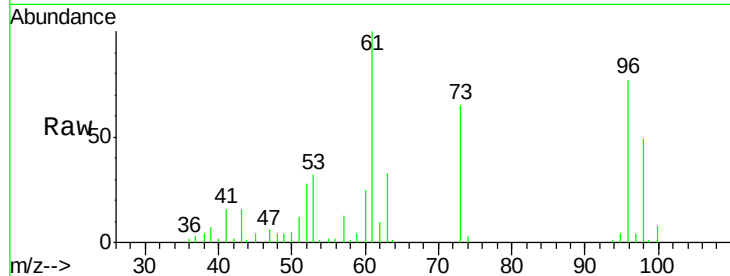
Tot Ion: 96 Resp: 176541

Ion Ratio Lower Upper

96 100

61 130.2 102.7 154.1

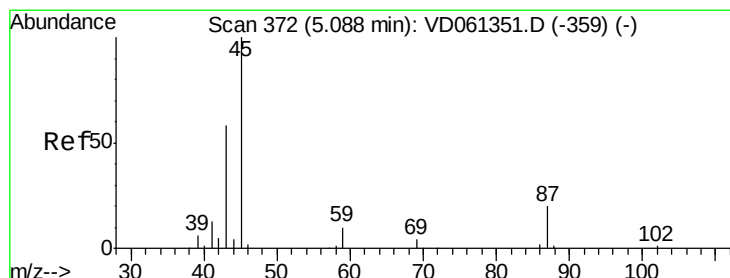
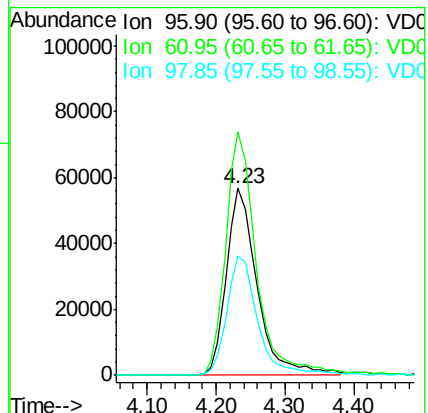
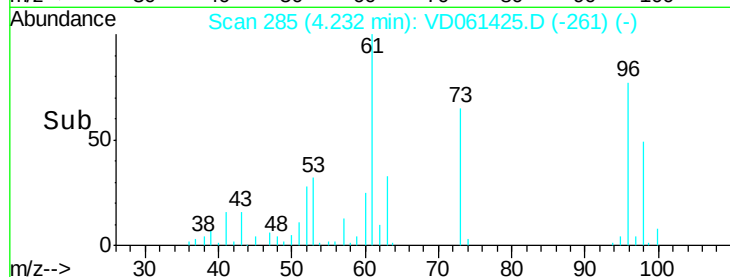
98 63.8 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.416 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Tgt Ion: 45 Resp: 490318

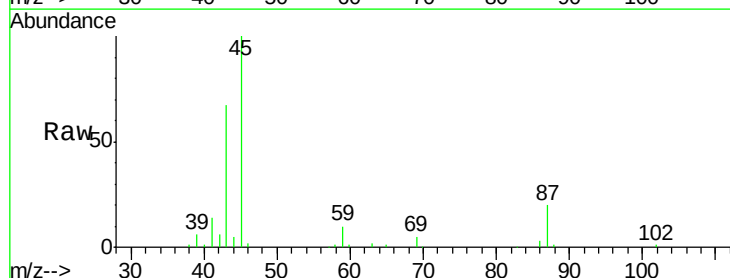
Ion Ratio Lower Upper

45 100

43 67.3 47.4 71.2

87 20.2 16.3 24.5

59 10.0 8.4 12.6

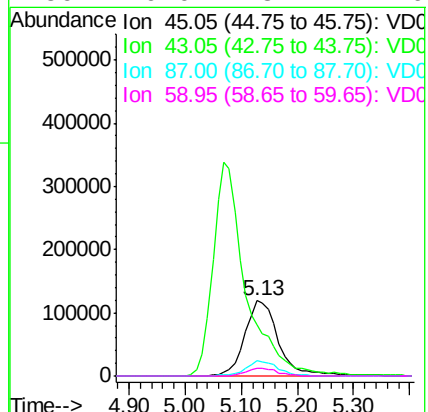
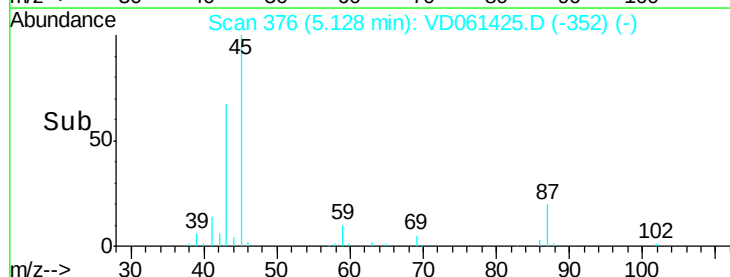


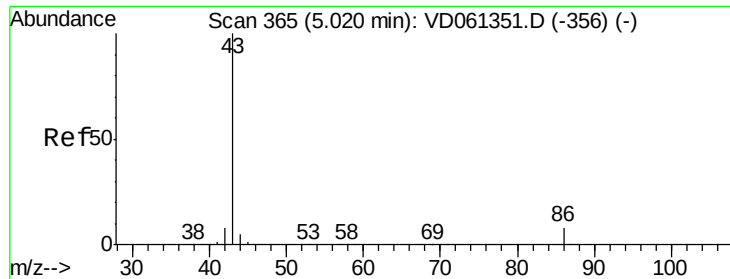
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

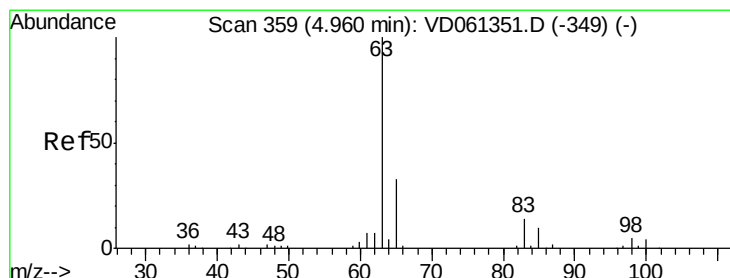
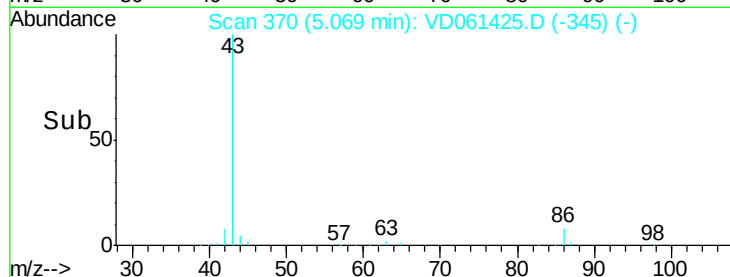
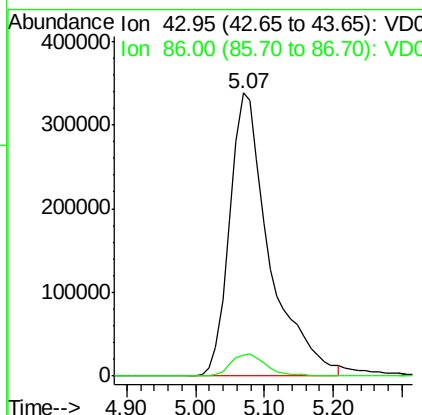
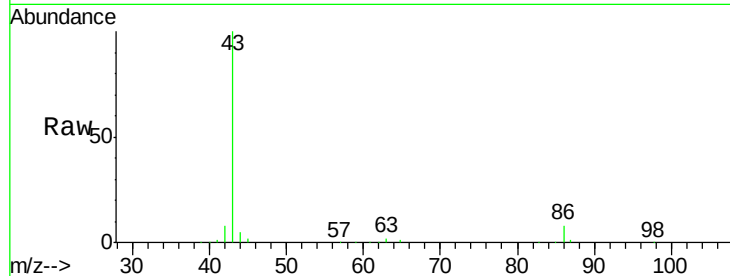




#23
 Vinyl Acetate
 Concen: 108.594 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.05 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

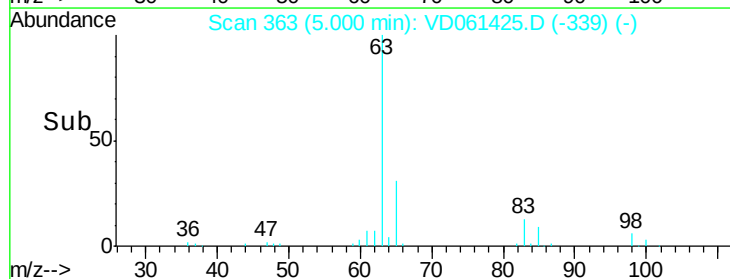
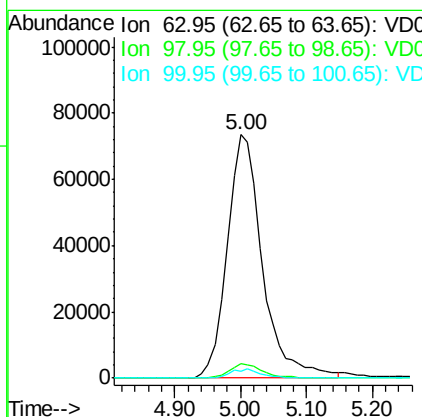
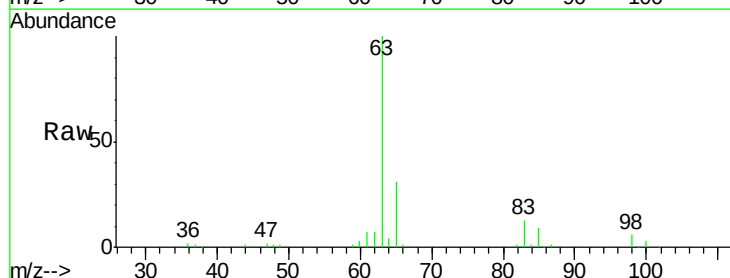
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

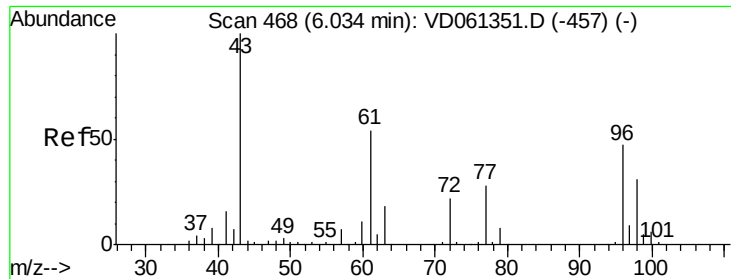
Tot Ion: 43 Resp: 1350507
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 20.456 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 63 Resp: 275234
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.6 8.0
 100 3.1 1.8 5.3





#25

2-Butanone

Concen: 97.401 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.05 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

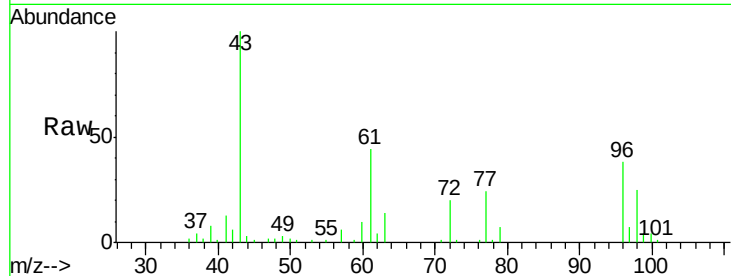
VD0329SBS01

Tot Ion: 43 Resp: 194438

Ion Ratio Lower Upper

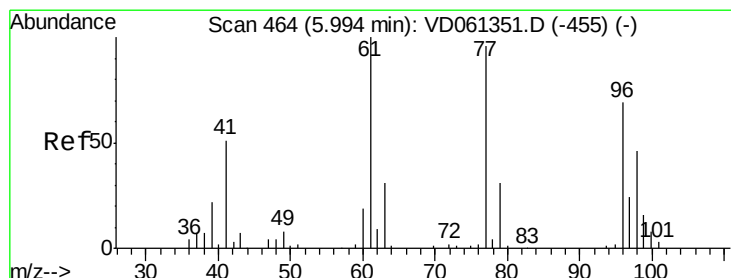
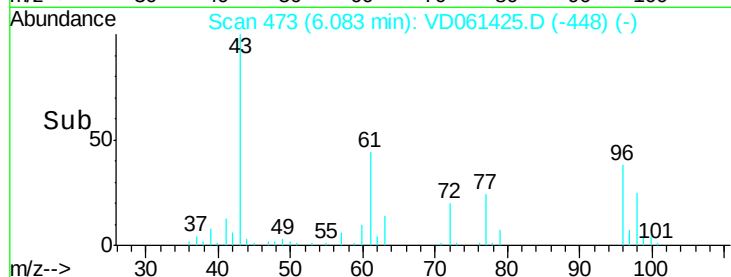
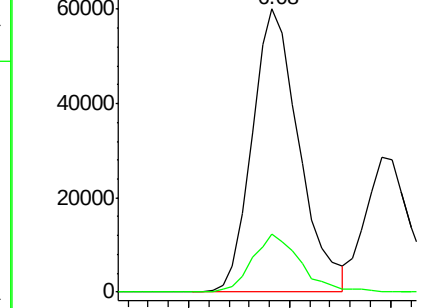
43 100

72 20.4 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.835 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.05 min

Lab File: VD061425.D

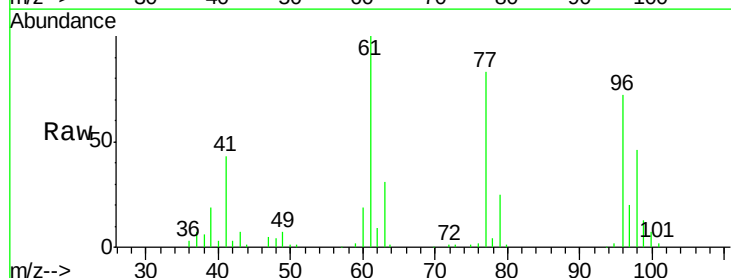
Acq: 29 Mar 2019 13:09

Tgt Ion: 77 Resp: 233545

Ion Ratio Lower Upper

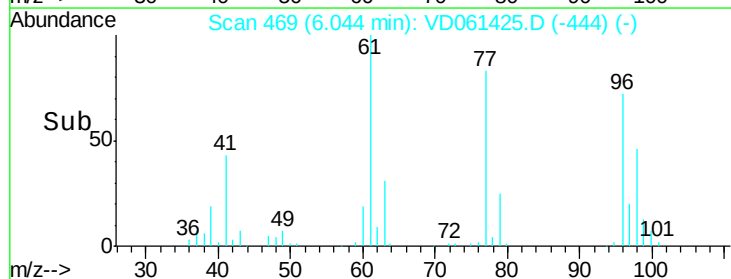
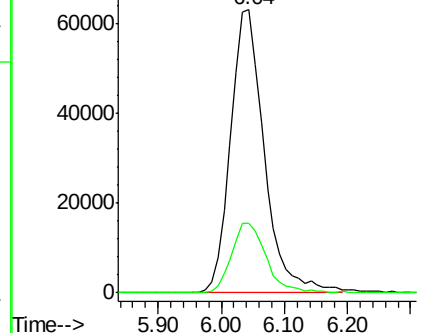
77 100

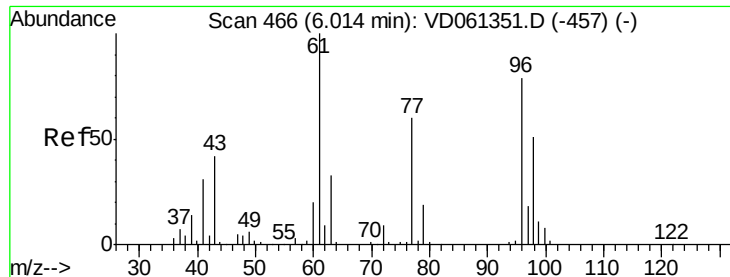
97 24.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



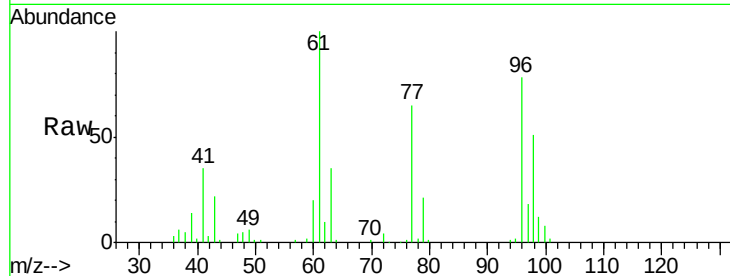


#27

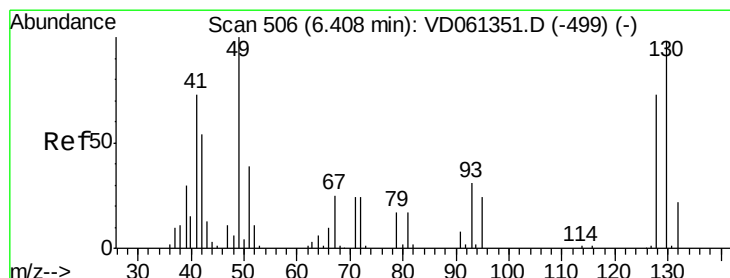
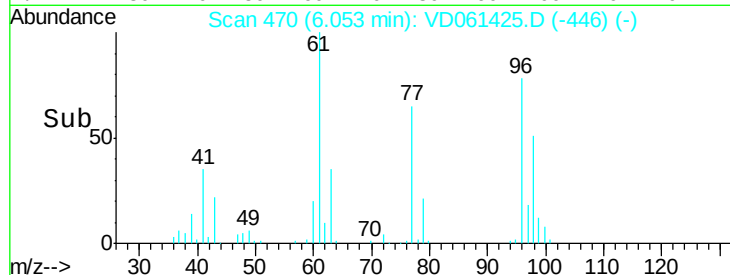
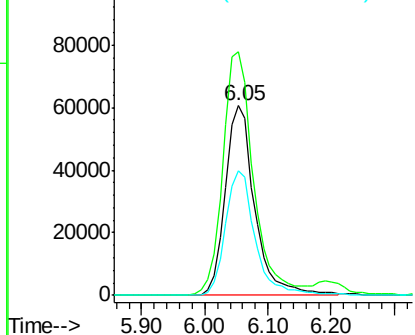
cis-1,2-Dichloroethene
Concen: 21.425 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0329SBSD01

Tot Ion: 96 Resp: 196590
Ion Ratio Lower Upper
96 100
61 128.6 0.0 251.6
98 65.5 0.0 129.2



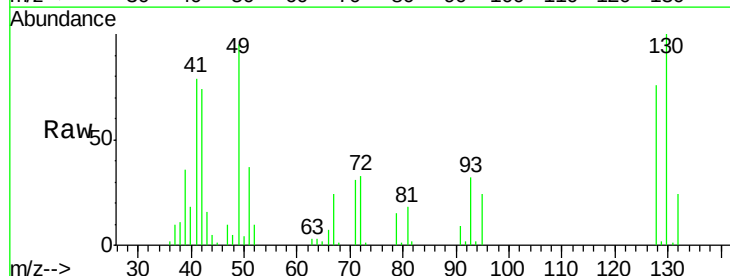
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



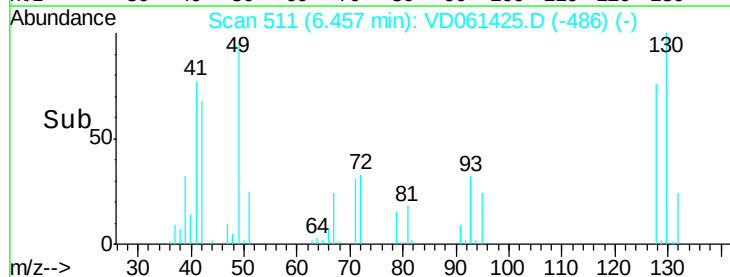
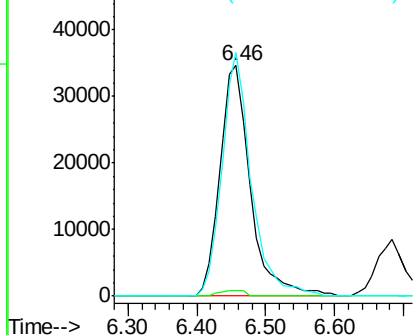
#28

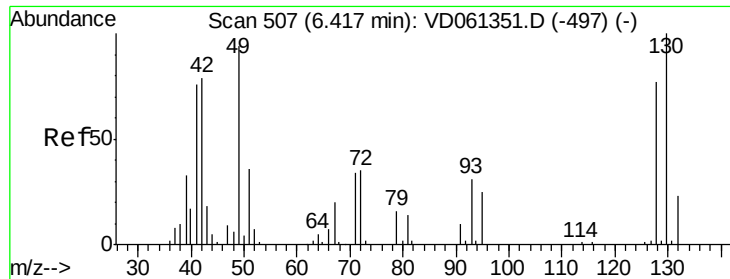
Bromochloromethane
Concen: 19.605 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.05 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 49 Resp: 106480
Ion Ratio Lower Upper
49 100
129 2.6 0.0 0.0#
130 105.5 78.4 117.6



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: 110.889 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.06 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBSD01

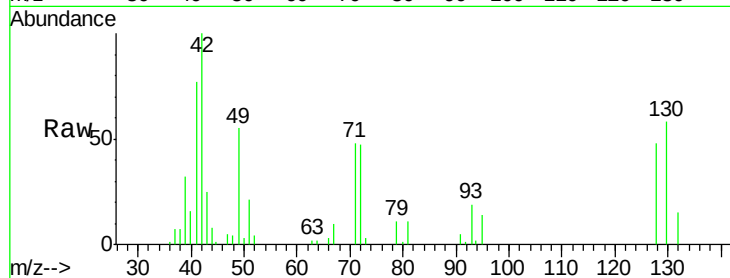
Tot Ion: 42 Resp: 107293

Ion Ratio Lower Upper

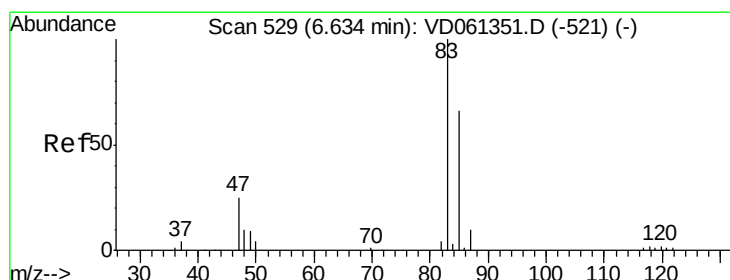
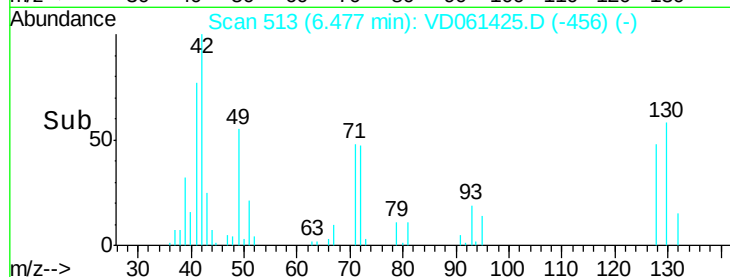
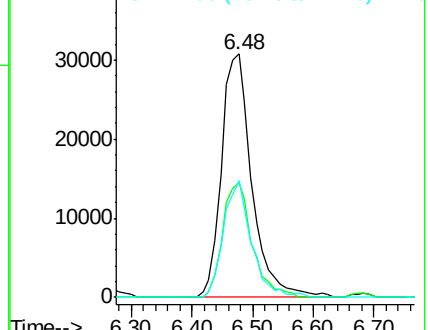
42 100

72 45.6 37.4 56.0

71 44.0 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: 21.295 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.05 min

Lab File: VD061425.D

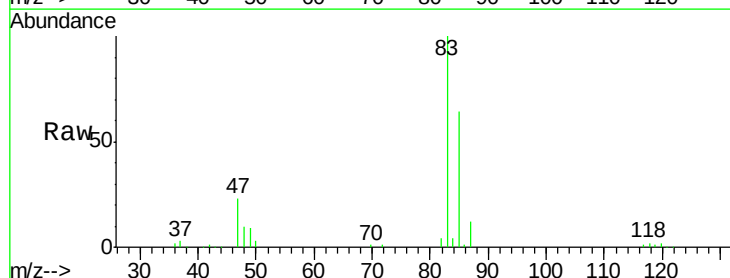
Acq: 29 Mar 2019 13:09

Tgt Ion: 83 Resp: 296065

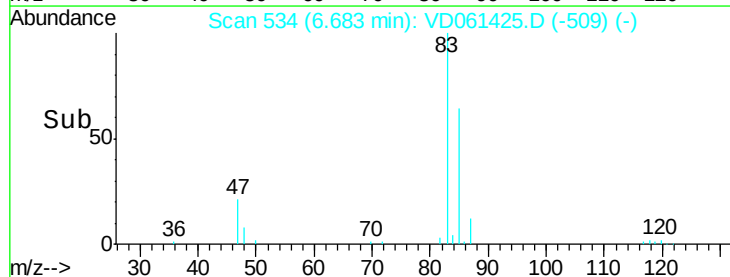
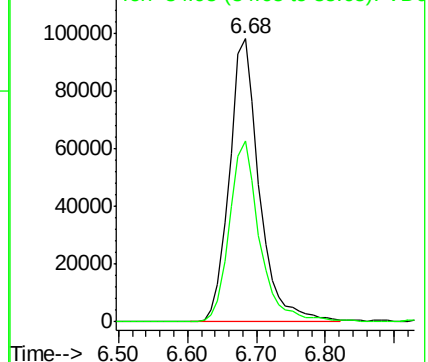
Ion Ratio Lower Upper

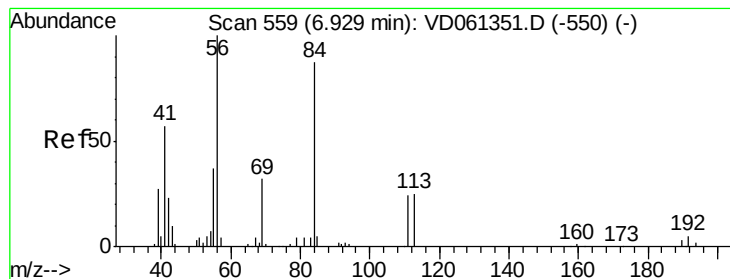
83 100

85 63.8 53.0 79.4



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





#31

Cyclohexane

Concen: 22.257 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

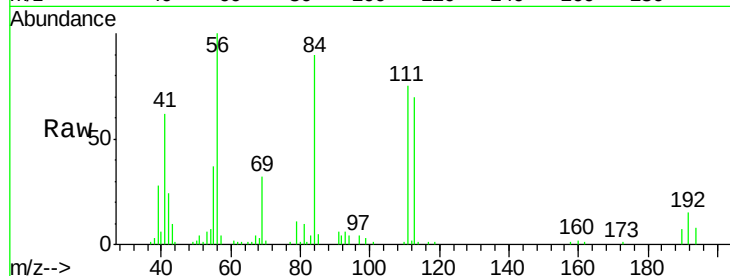
Tot Ion: 56 Resp: 236653

Ion Ratio Lower Upper

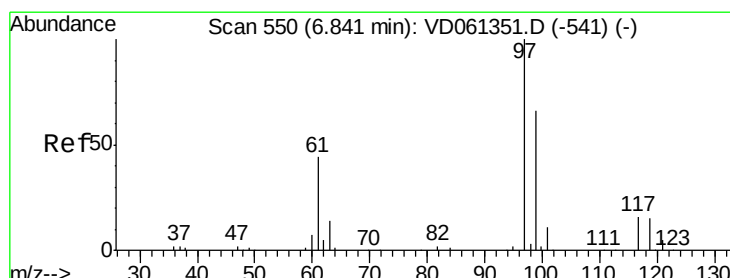
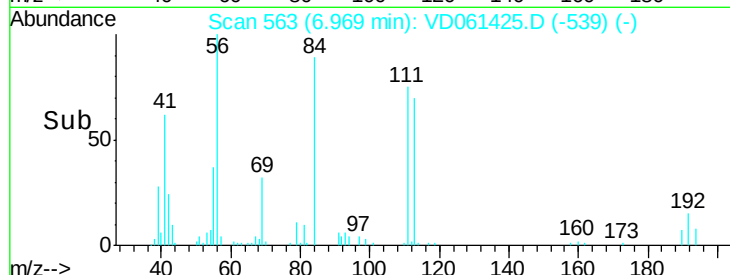
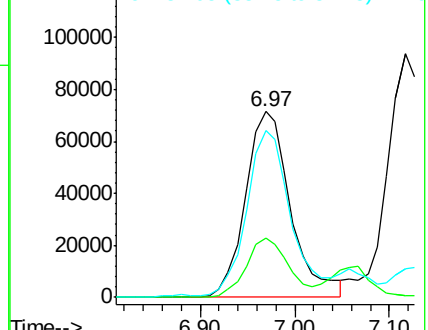
56 100

69 32.2 25.7 38.5

84 89.8 70.6 105.8



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: 21.004 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.05 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

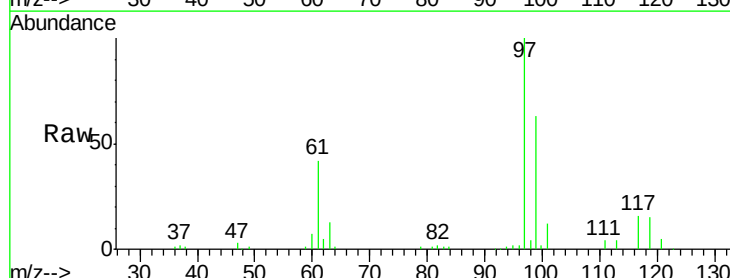
Tgt Ion: 97 Resp: 257625

Ion Ratio Lower Upper

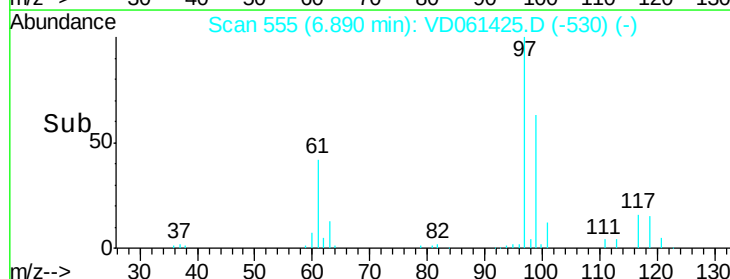
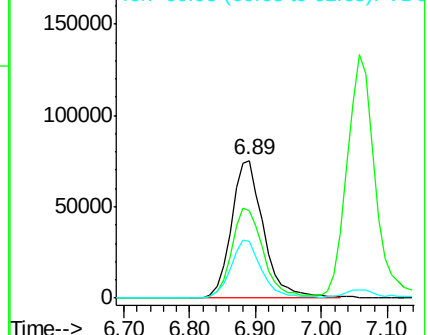
97 100

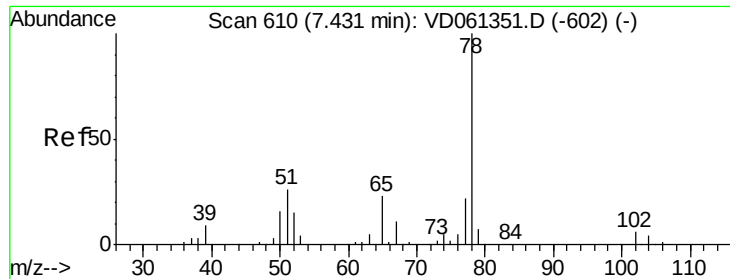
99 63.4 53.1 79.7

61 41.7 35.5 53.3



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

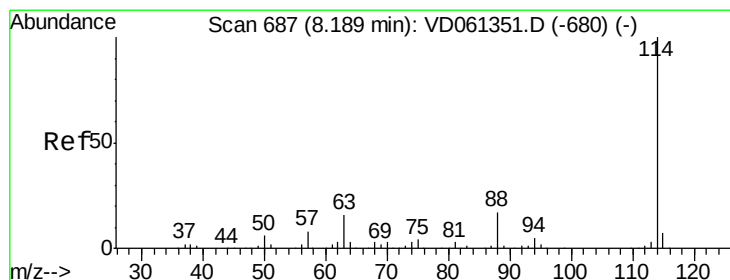
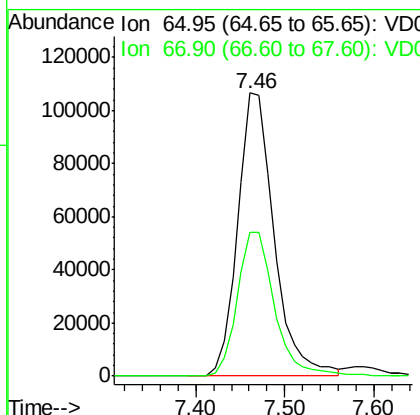
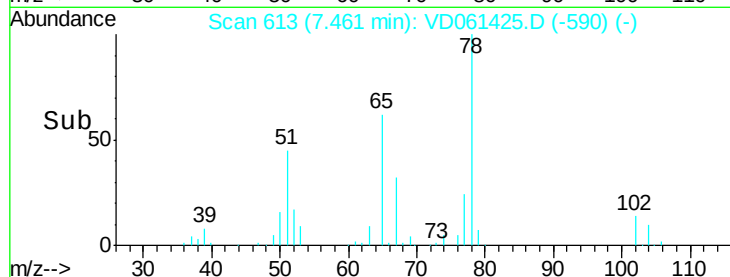
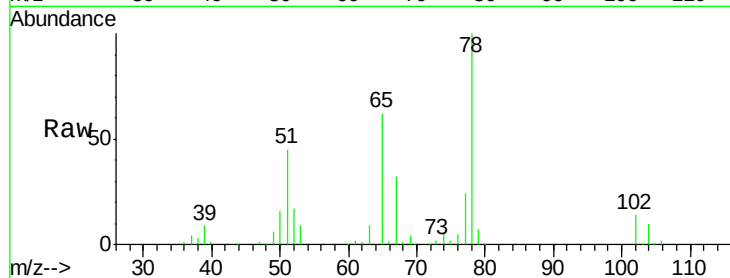




#33
 1,2-Dichloroethane-d4
 Concen: 21.004 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.03 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

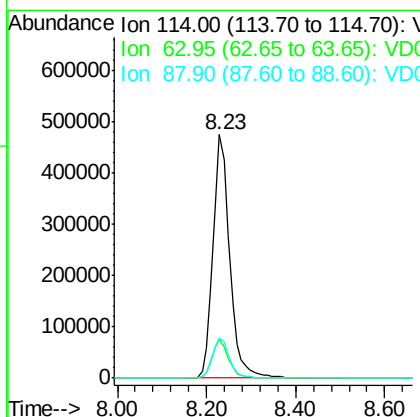
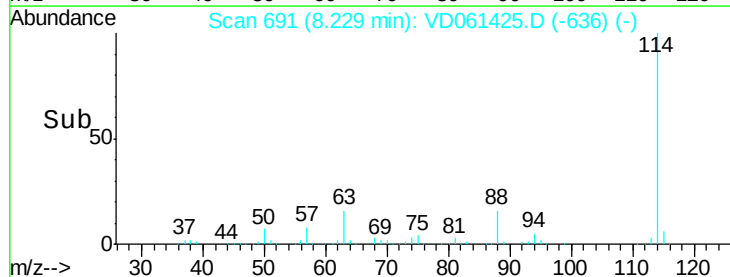
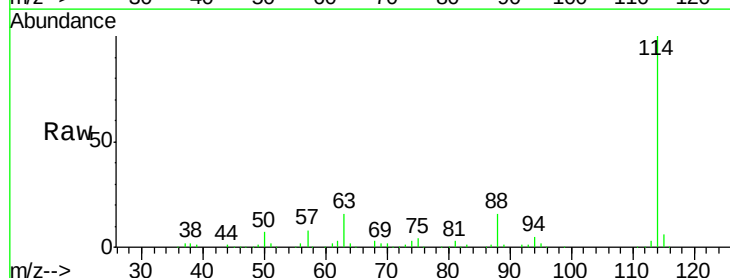
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBSD01

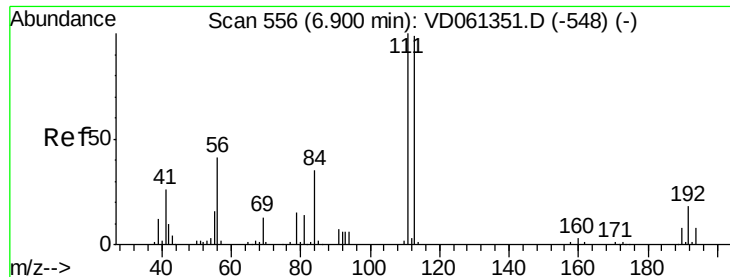
Tot Ion: 65 Resp: 302404
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 114 Resp: 1233422
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.6
 88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBSD01

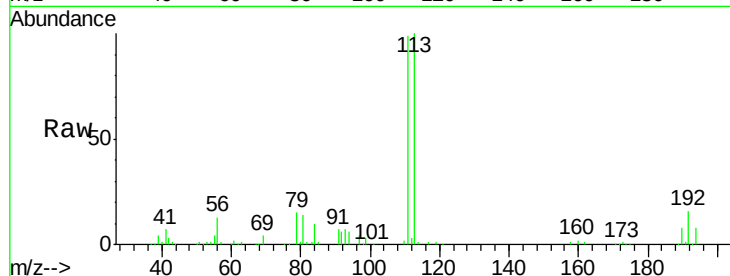
Tot Ion:113 Resp: 495841

Ion Ratio Lower Upper

113 100

111 99.2 81.0 121.6

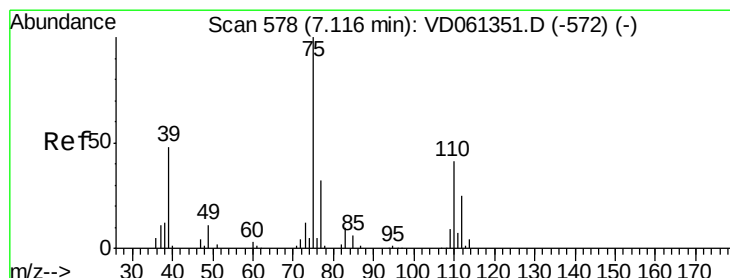
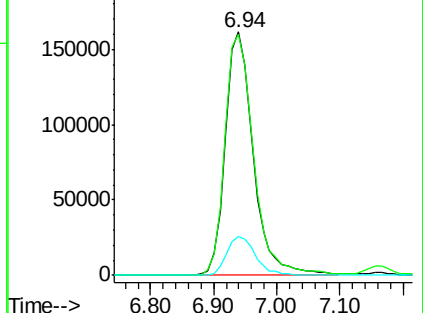
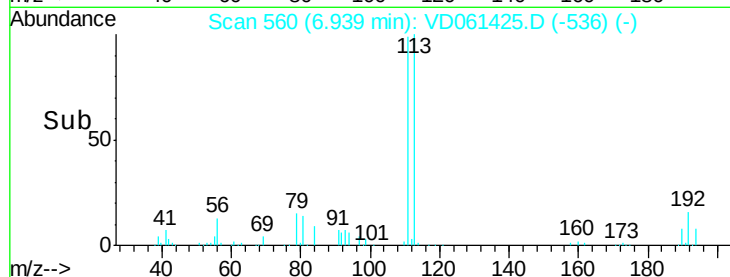
192 16.0 14.4 21.6



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: 20.824 ug/l

RT: 7.17 min Scan# 583

Delta R.T. 0.05 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

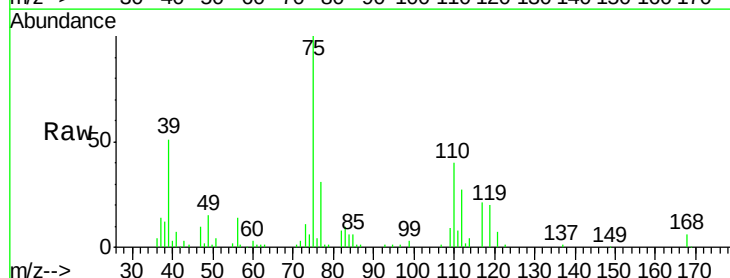
Tgt Ion: 75 Resp: 224170

Ion Ratio Lower Upper

75 100

110 40.3 20.4 61.3

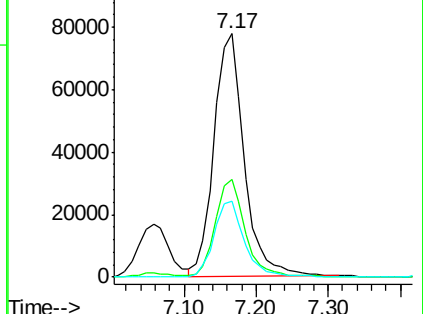
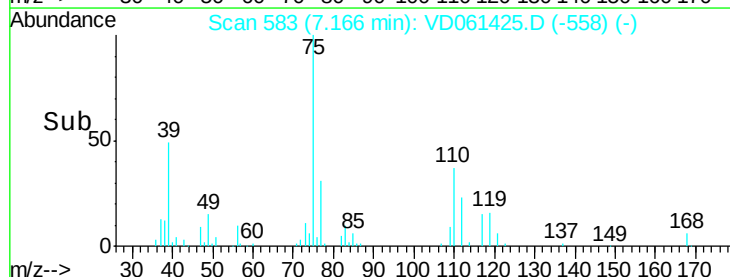
77 31.3 24.9 37.3

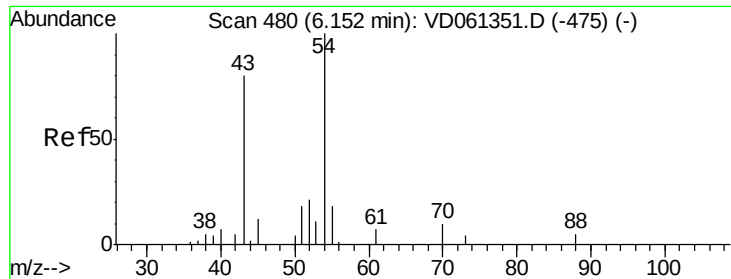


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 19.785 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

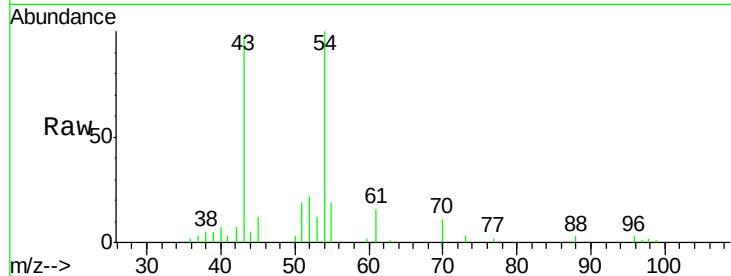
Tot Ion: 43 Resp: 91089

Ion Ratio Lower Upper

43 100

61 16.1 13.8 20.8

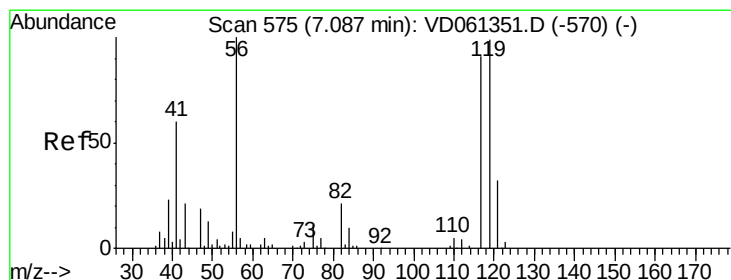
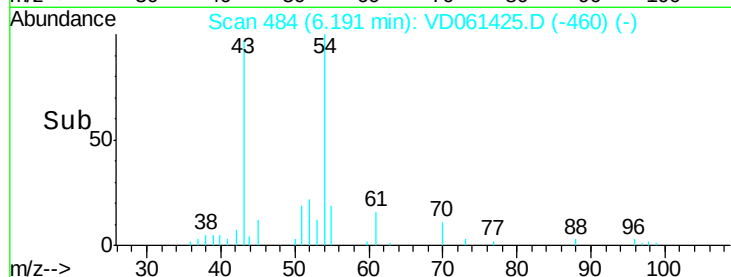
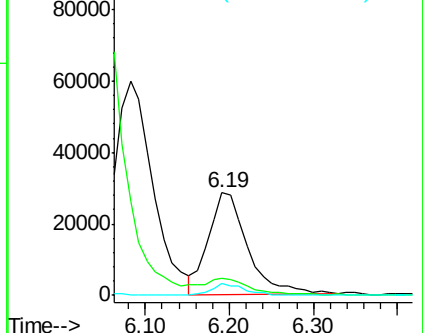
70 11.8 7.8 11.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.238 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

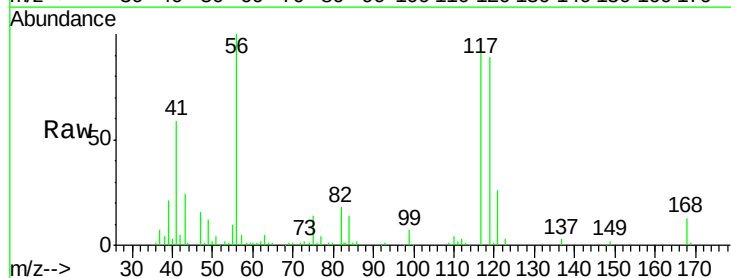
Tgt Ion: 117 Resp: 250345

Ion Ratio Lower Upper

117 100

119 97.6 80.1 120.1

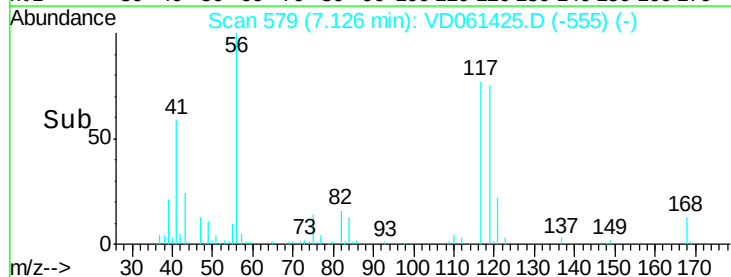
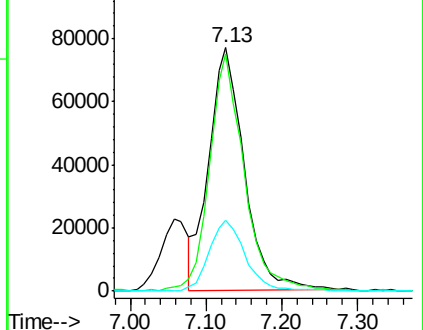
121 28.8 25.6 38.4

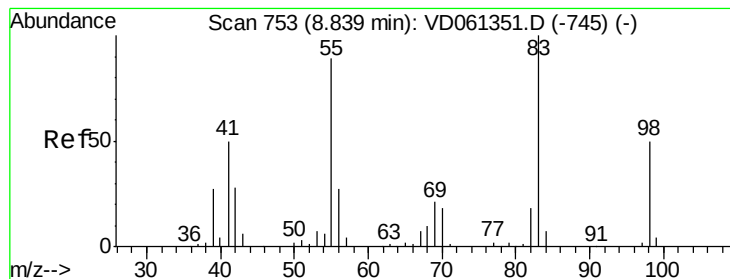


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 21.360 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

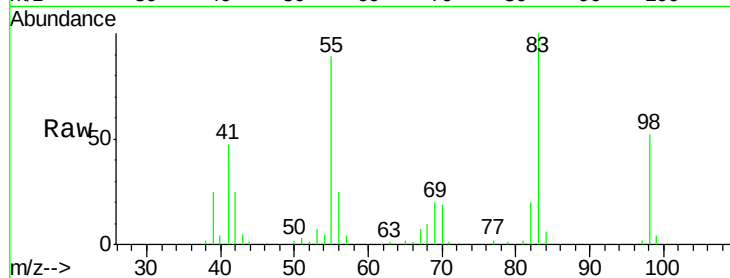
Tot Ion: 83 Resp: 239477

Ion Ratio Lower Upper

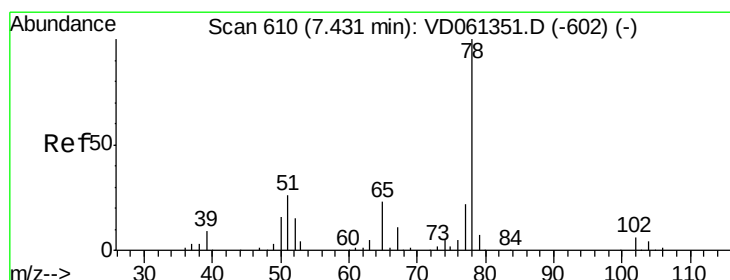
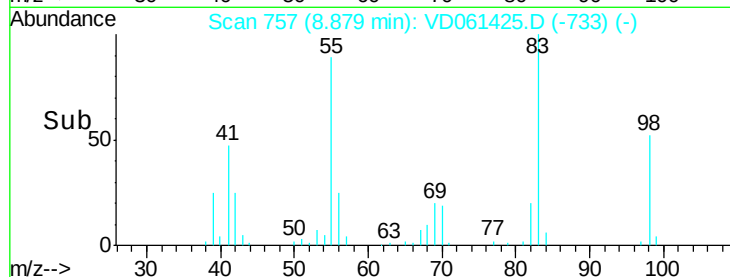
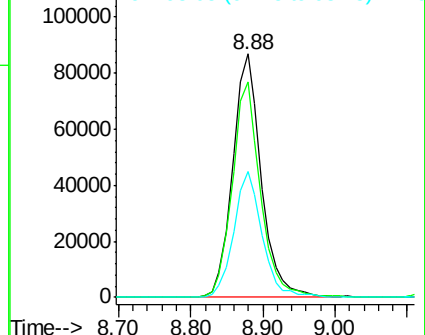
83 100

55 88.8 71.5 107.3

98 51.9 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.193 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD061425.D

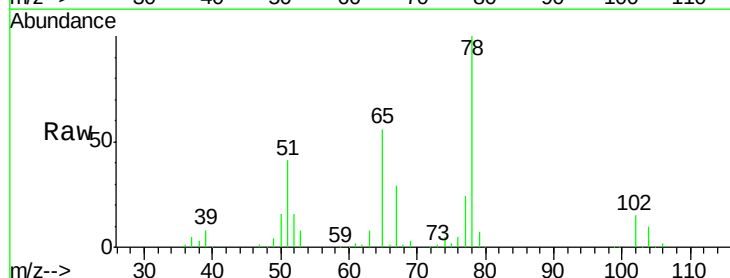
Acq: 29 Mar 2019 13:09

Tgt Ion: 78 Resp: 545555

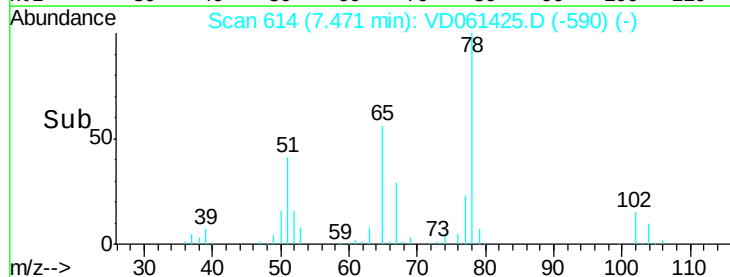
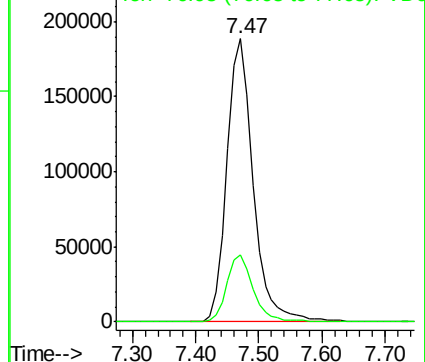
Ion Ratio Lower Upper

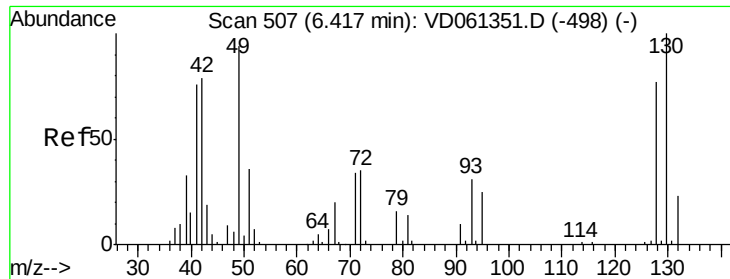
78 100

77 23.6 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

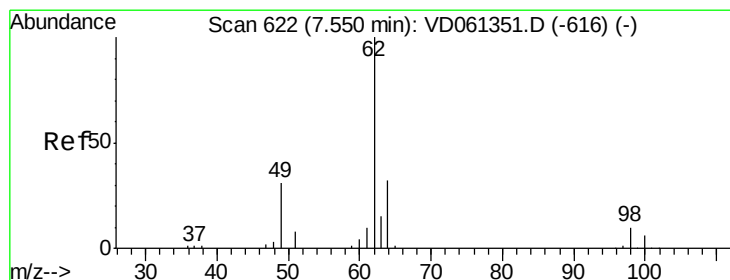
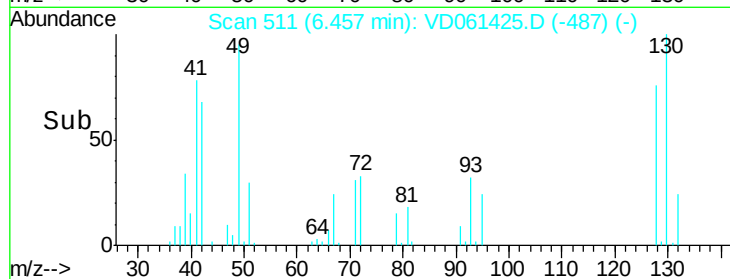
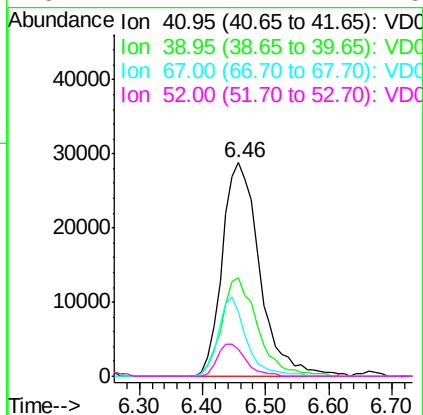
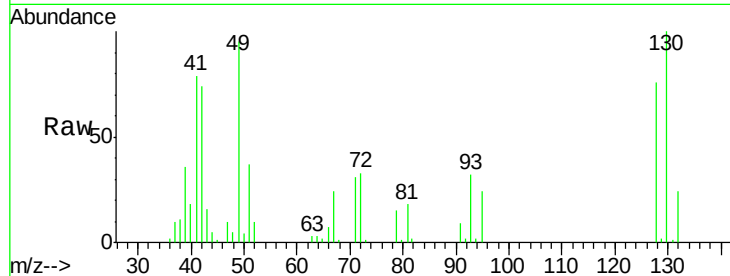




#41
Methacrylonitrile
Concen: 21.989 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

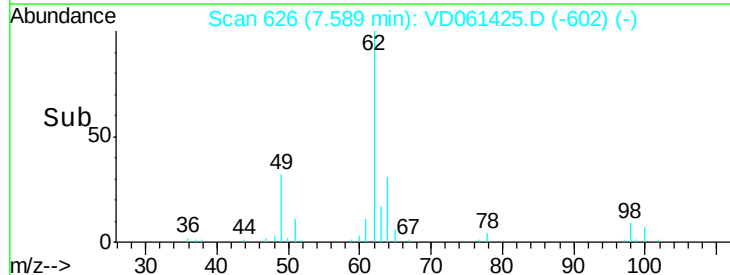
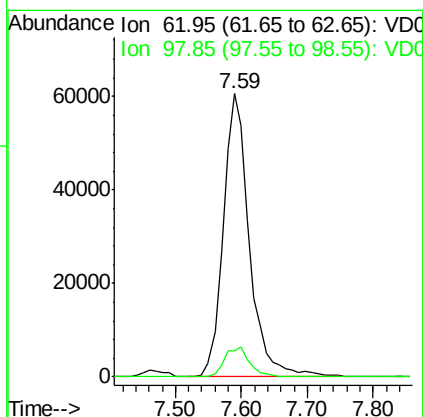
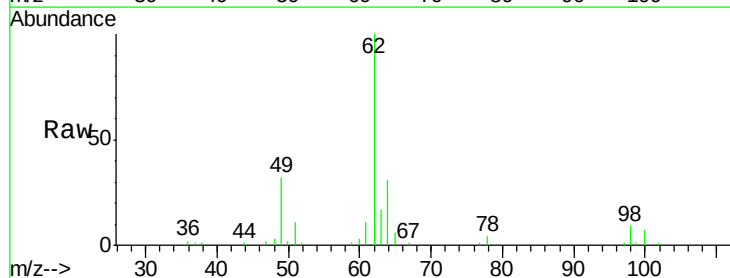
Instrument :
MSVOA_D
ClientSampleId :
VD0329SBSD01

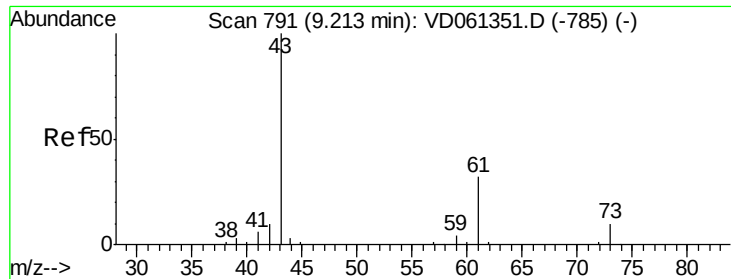
Tot Ion: 41 Resp: 118367
Ion Ratio Lower Upper
41 100
39 46.1 35.0 52.6
67 30.1 21.0 31.6
52 12.4 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 20.703 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 62 Resp: 167313
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.8





#43

Isopropyl Acetate

Concen: 21.751 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBSD01

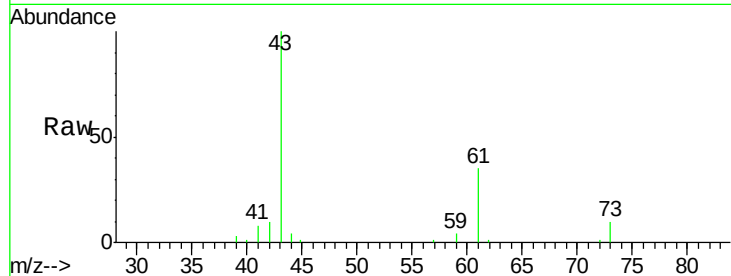
Tot Ion: 43 Resp: 145705

Ion Ratio Lower Upper

43 100

61 34.9 25.8 38.6

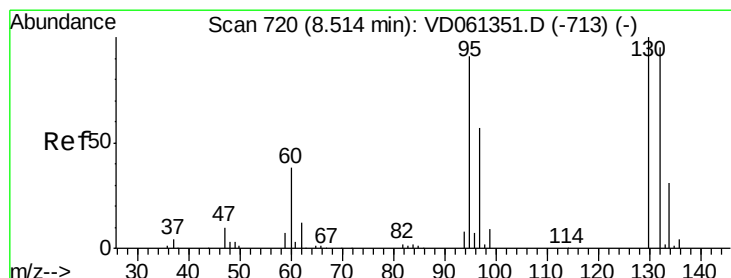
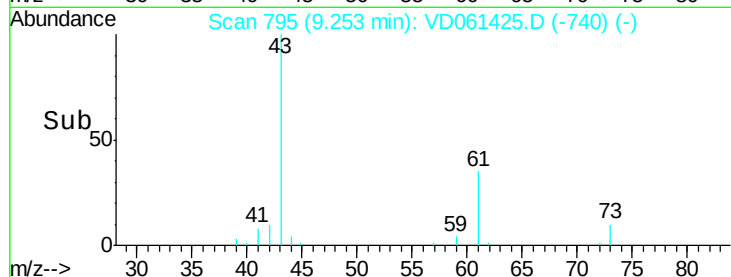
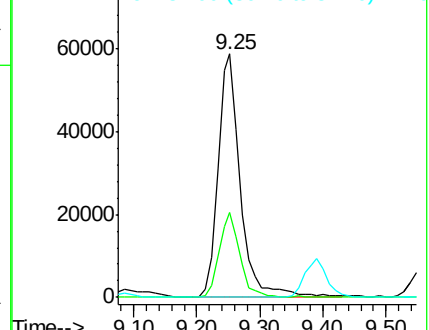
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.333 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.04 min

Lab File: VD061425.D

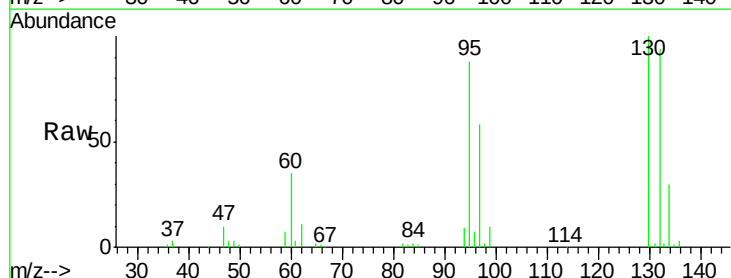
Acq: 29 Mar 2019 13:09

Tgt Ion:130 Resp: 204438

Ion Ratio Lower Upper

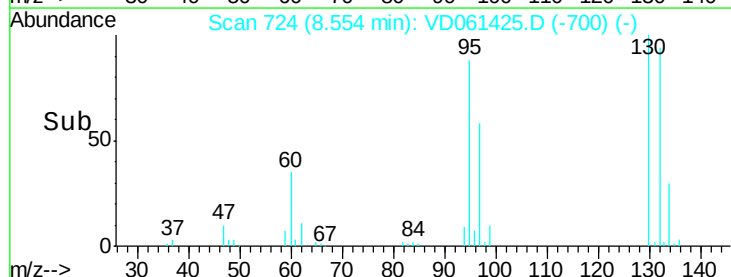
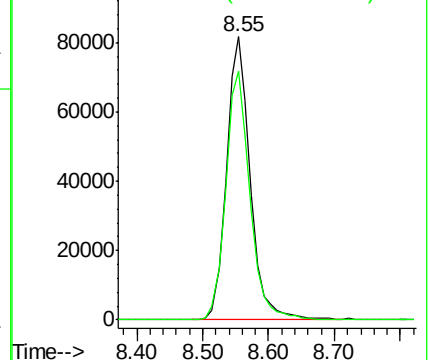
130 100

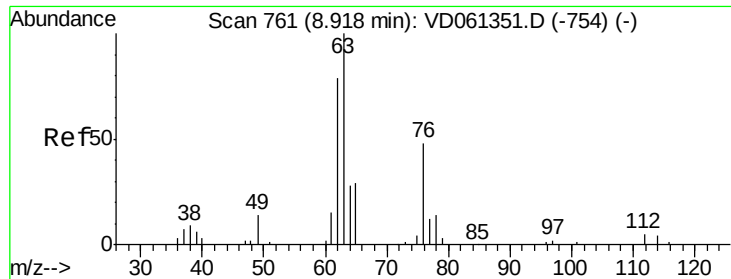
95 87.9 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.517 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.03 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

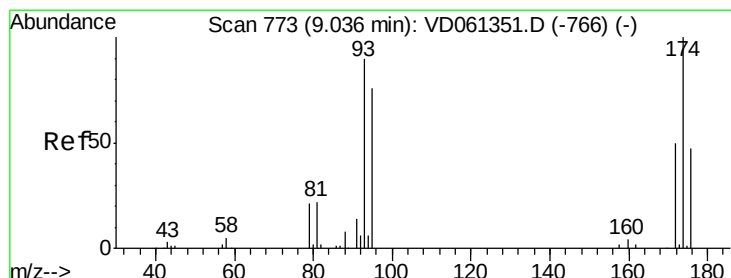
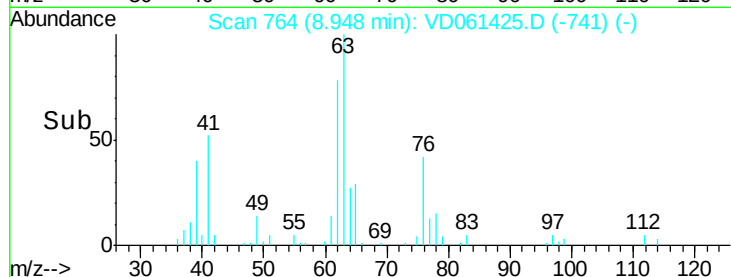
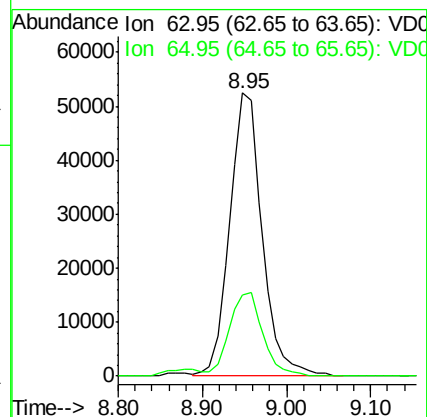
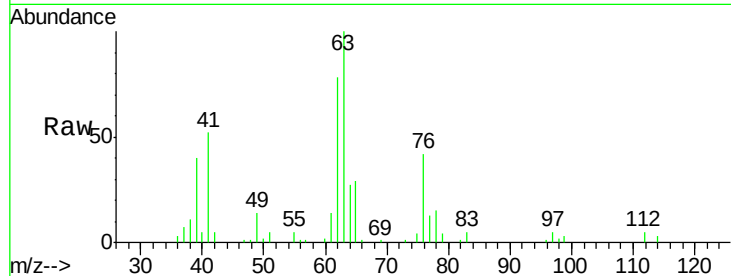
VD0329SBSD01

Tot Ion: 63 Resp: 140556

Ion Ratio Lower Upper

63 100

65 28.7 25.0 37.4



#46

Dibromomethane

Concen: 20.378 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

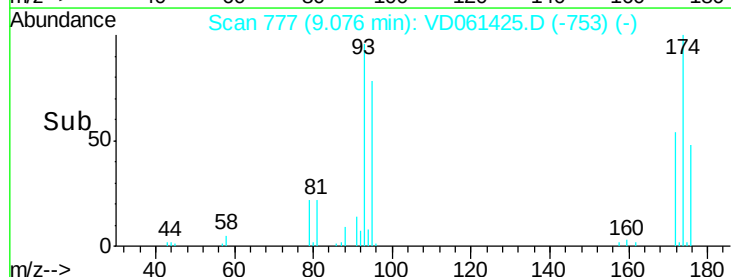
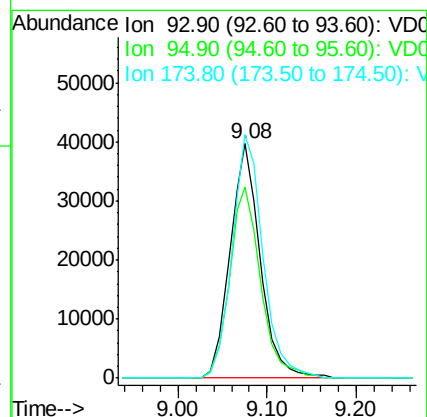
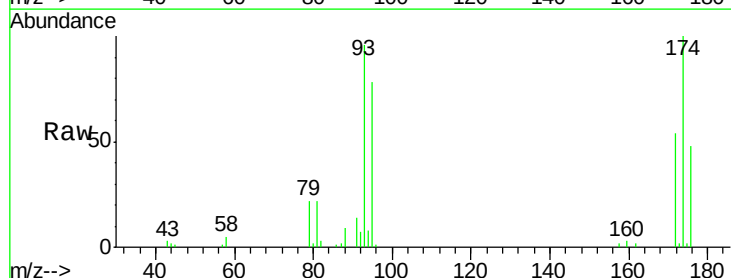
Tgt Ion: 93 Resp: 93963

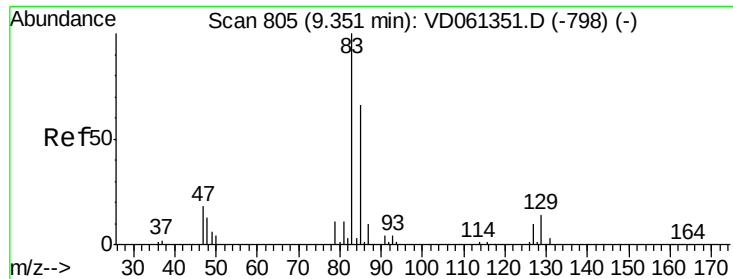
Ion Ratio Lower Upper

93 100

95 81.3 67.4 101.0

174 103.8 88.9 133.3





#47

Bromodichloromethane

Concen: 21.644 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBSD01

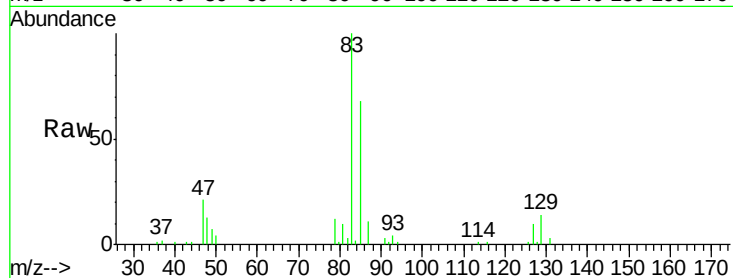
Tot Ion: 83 Resp: 224002

Ion Ratio Lower Upper

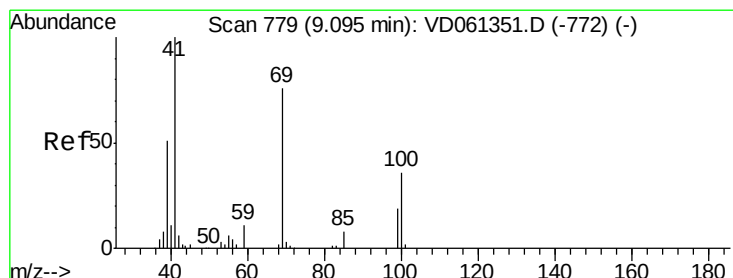
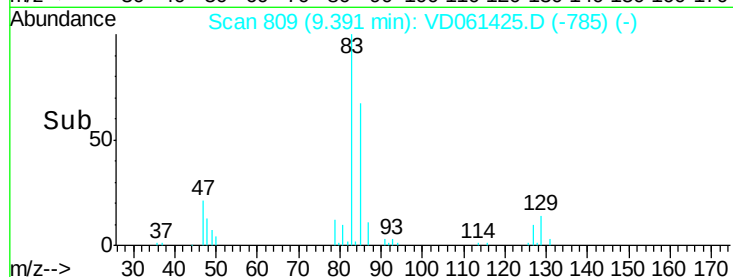
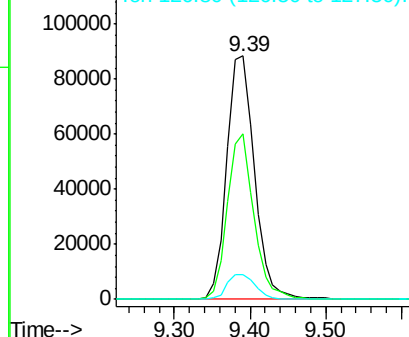
83 100

85 68.1 53.0 79.4

127 10.1 8.4 12.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.598 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.04 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

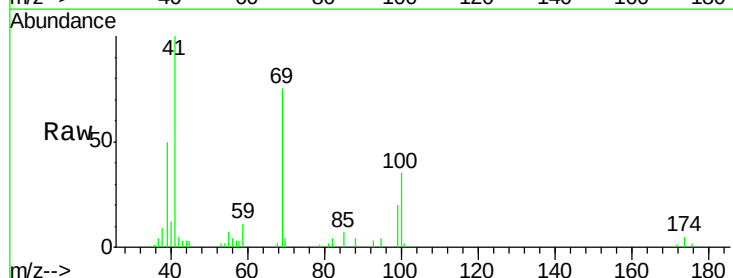
Tgt Ion: 41 Resp: 76150

Ion Ratio Lower Upper

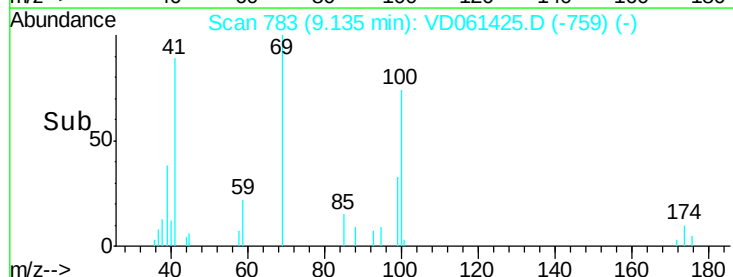
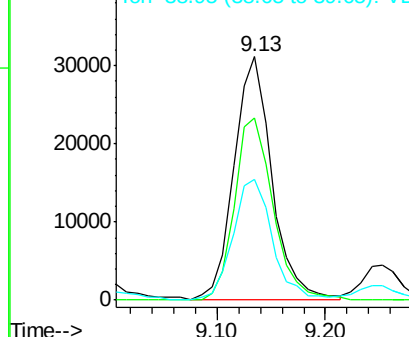
41 100

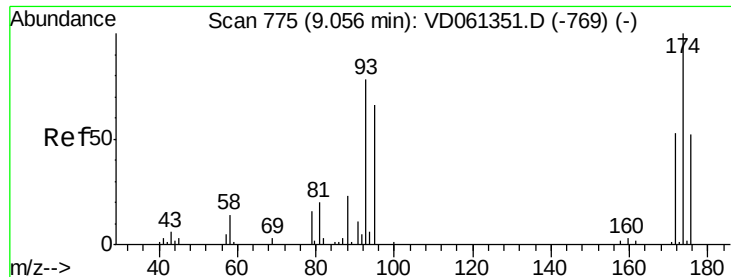
69 75.0 60.2 90.4

39 49.6 41.4 62.2



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: 448.372 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.03 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

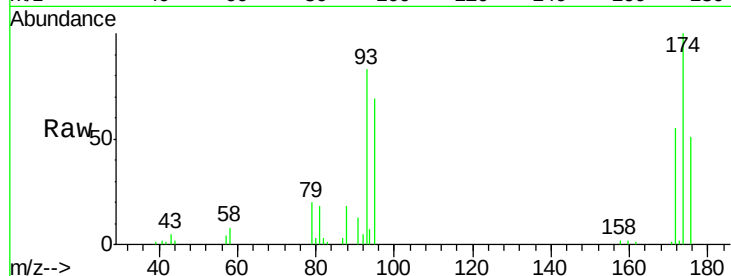
Tot Ion: 88 Resp: 18283

Ion Ratio Lower Upper

88 100

43 29.3 23.3 34.9

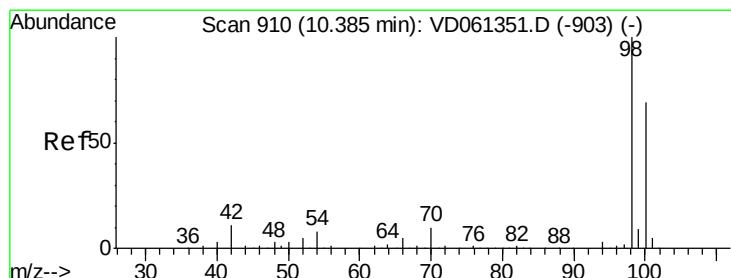
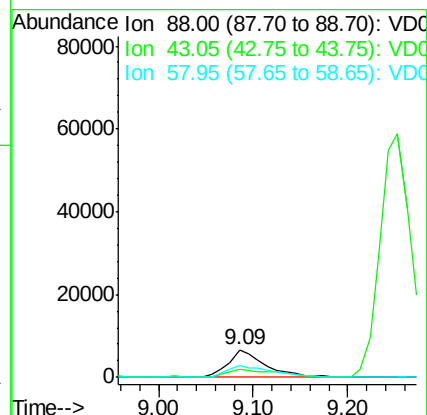
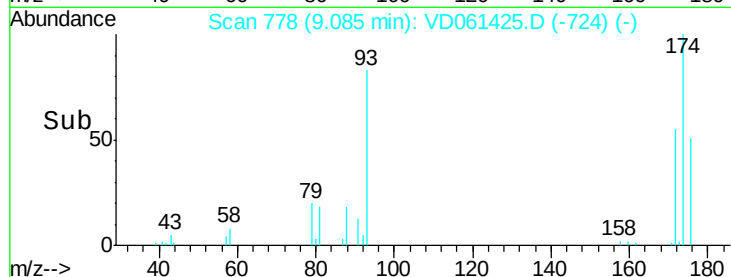
58 42.2 50.8 76.2#



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: 448.372 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.04 min

Lab File: VD061425.D

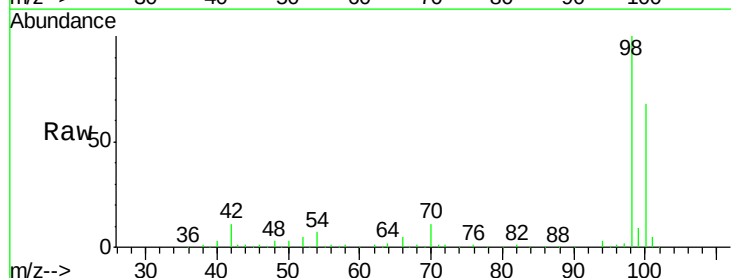
Acq: 29 Mar 2019 13:09

Tgt Ion: 98 Resp: 1116360

Ion Ratio Lower Upper

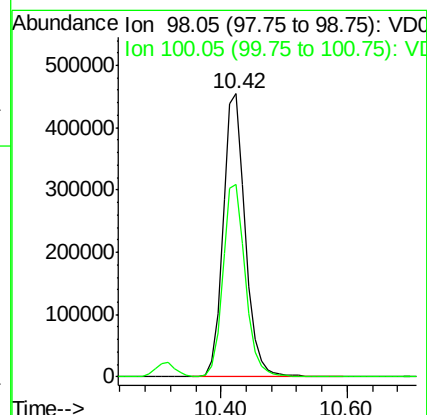
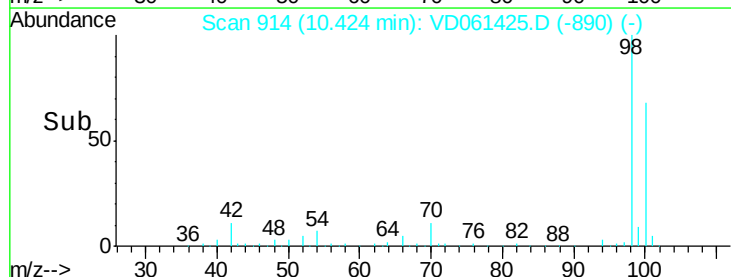
98 100

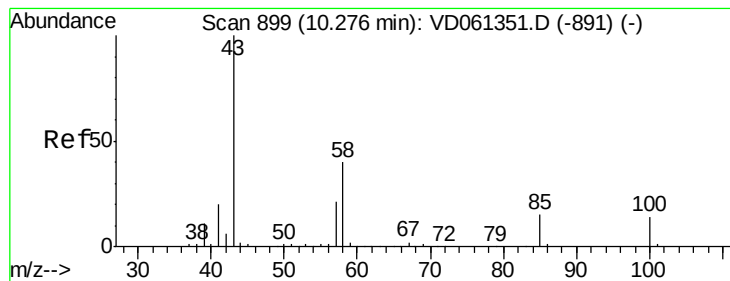
100 68.2 56.2 84.2



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: 102.047 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.03 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

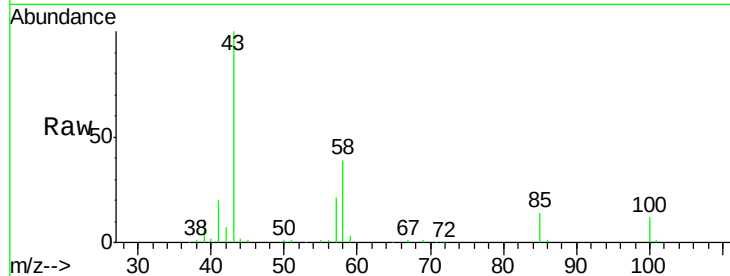
VD0329SBS01

Tot Ion: 43 Resp: 415883

Ion Ratio Lower Upper

43 100

58 38.8 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

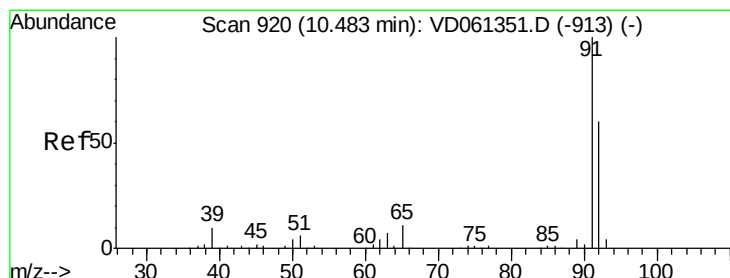
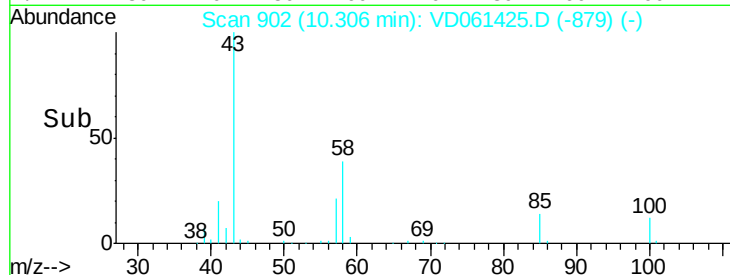
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.652 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.03 min

Lab File: VD061425.D

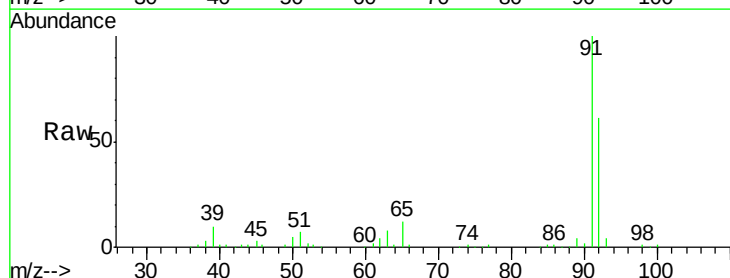
Acq: 29 Mar 2019 13:09

Tgt Ion: 92 Resp: 340389

Ion Ratio Lower Upper

92 100

91 165.1 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

250000

200000

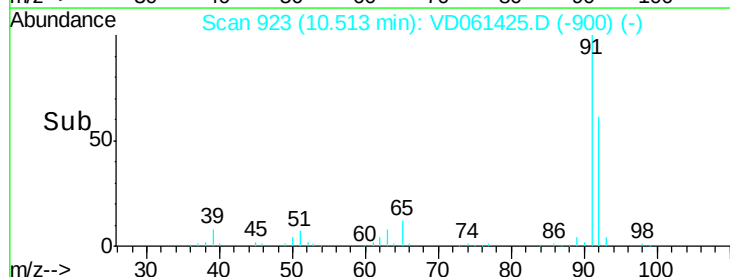
150000

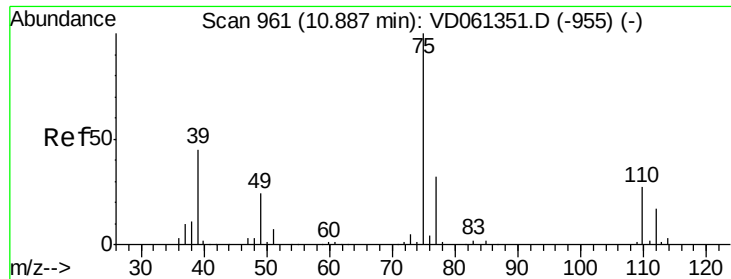
100000

50000

0

Time-->

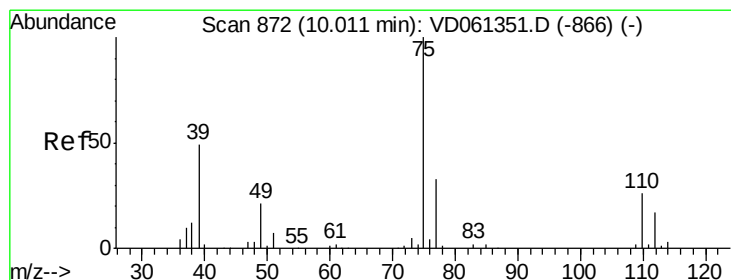
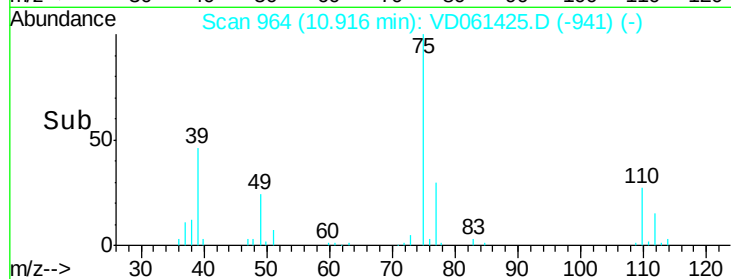
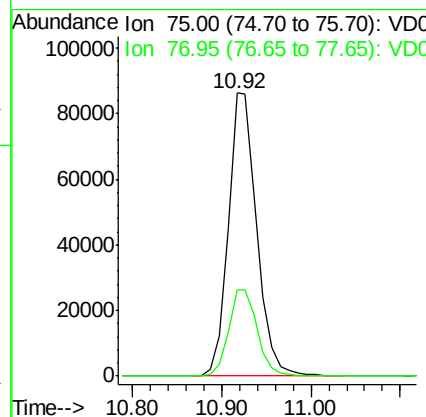
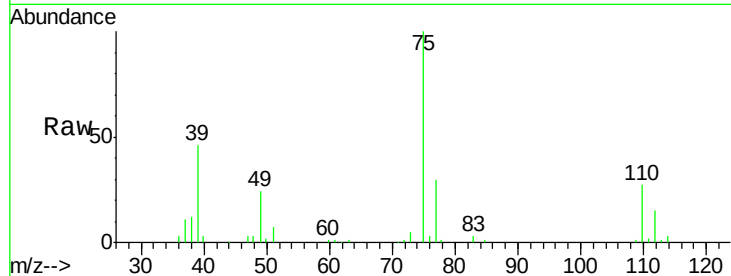




#53
 t-1,3-Dichloropropene
 Concen: 20.549 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.03 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

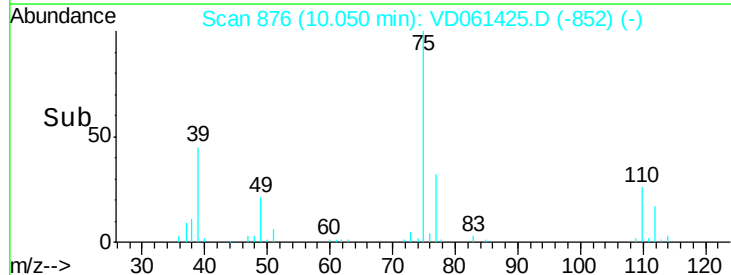
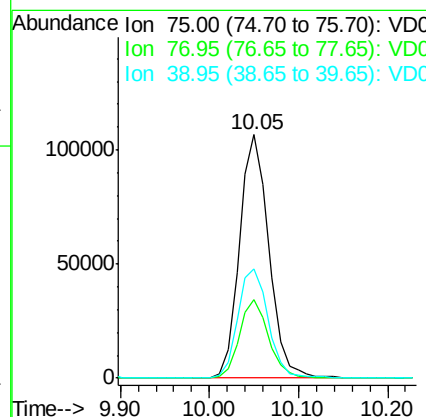
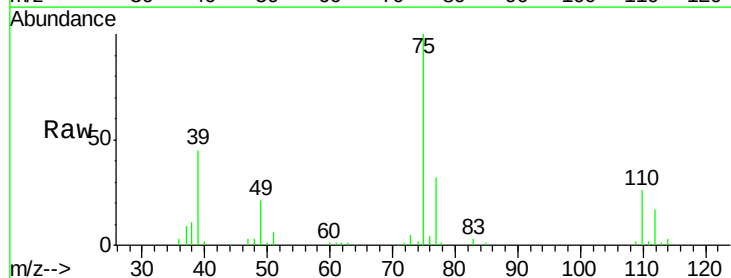
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBSD01

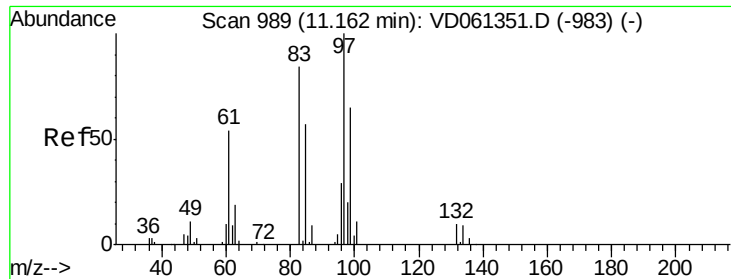
Tot Ion: 75 Resp: 193218
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 21.396 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 75 Resp: 244969
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.2 39.4
 39 45.0 39.4 59.0

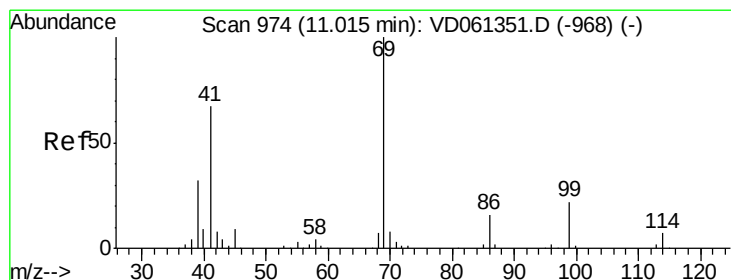
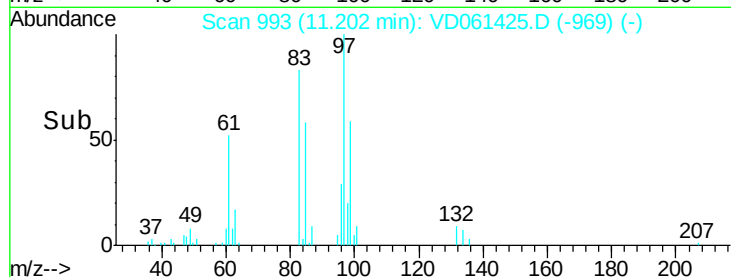
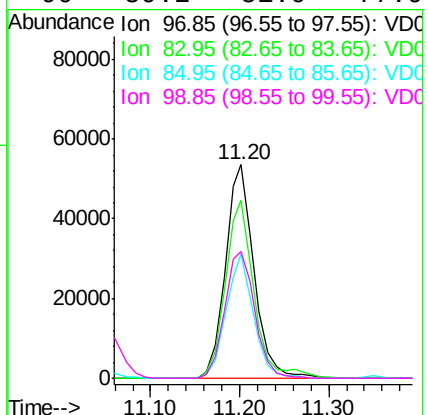
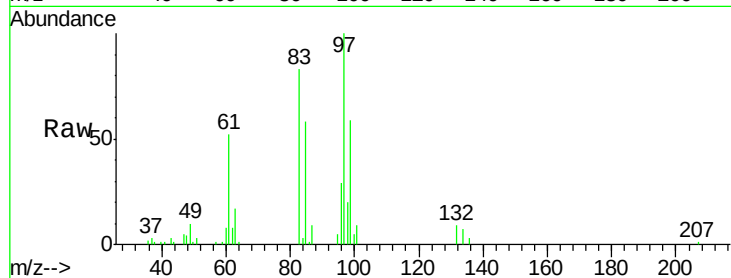




#55
 1,1,2-Trichloroethane
 Concen: 20.901 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

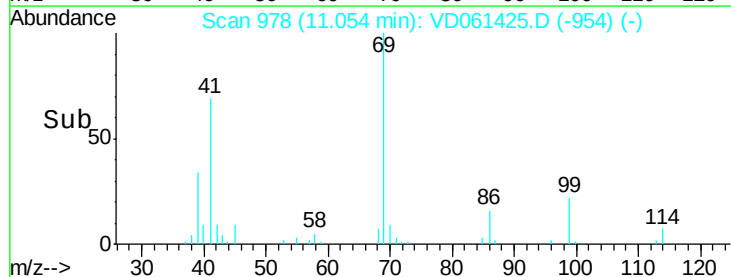
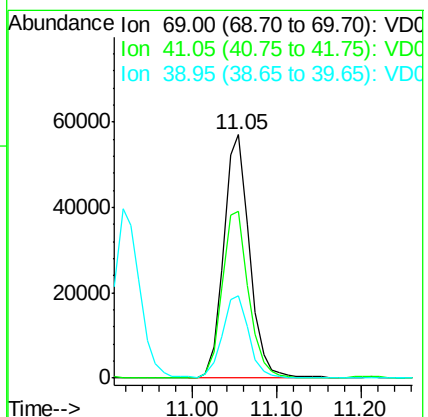
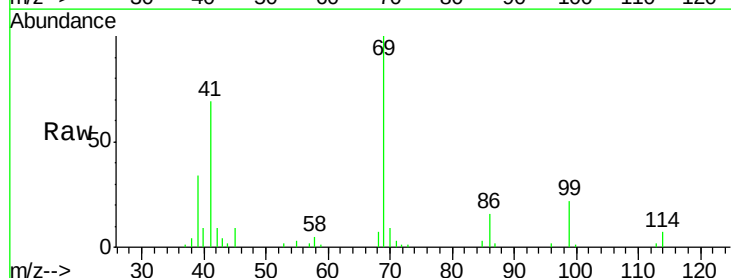
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBSD01

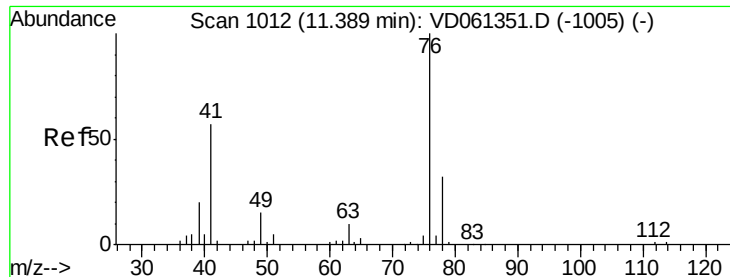
Tot Ion:	97	Resp:	120479
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.0	100.6
85	58.1	45.4	68.2
99	59.2	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 19.610 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.04 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion:	69	Resp:	121435
Ion	Ratio	Lower	Upper
69	100		
41	68.7	53.8	80.6
39	33.9	26.4	39.6

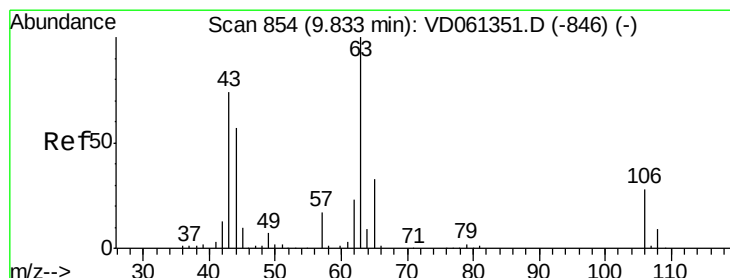
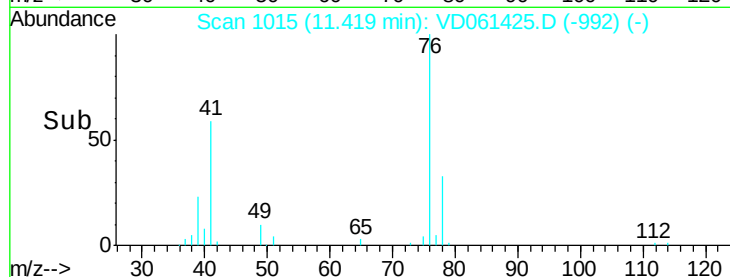
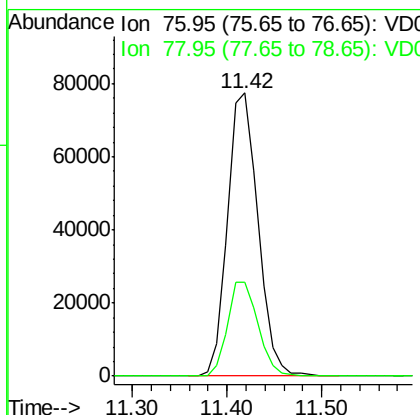
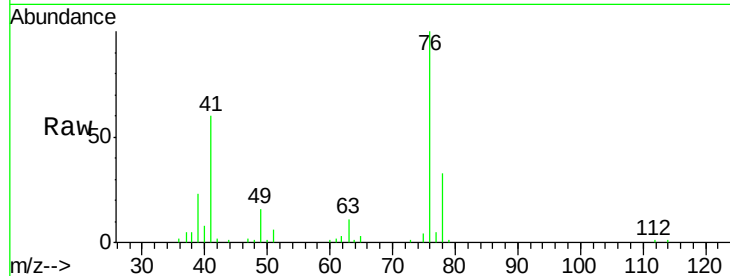




#57
 1,3-Dichloropropane
 Concen: 20.331 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.03 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

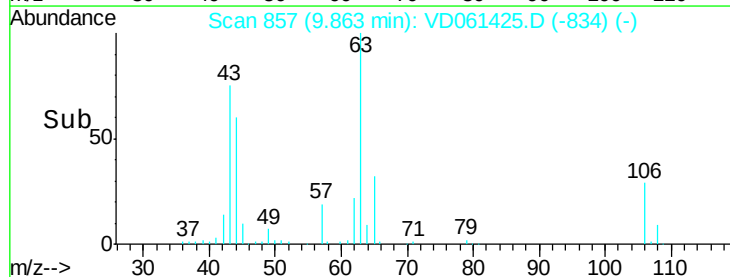
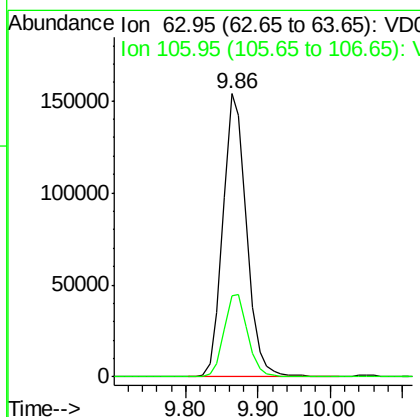
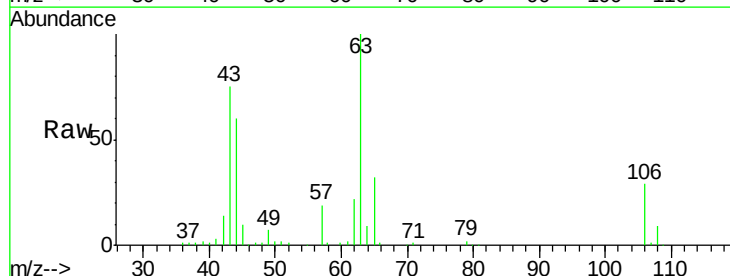
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBSD01

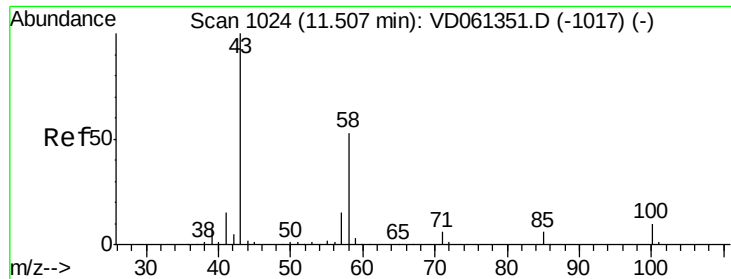
Tot Ion: 76 Resp: 172251
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.214 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.03 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 63 Resp: 347447
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.4 33.6

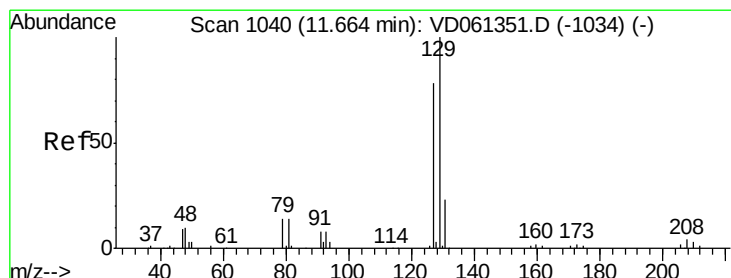
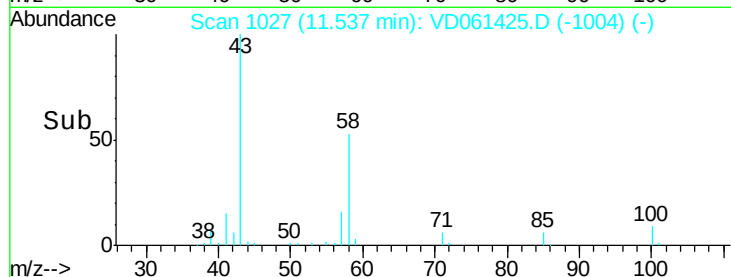
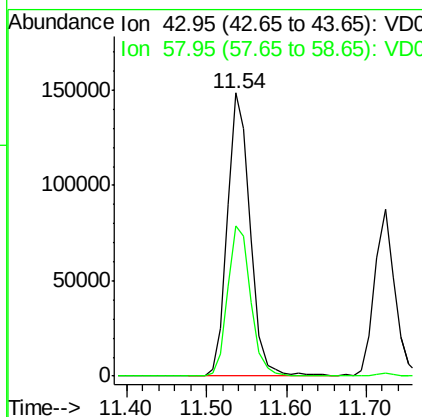
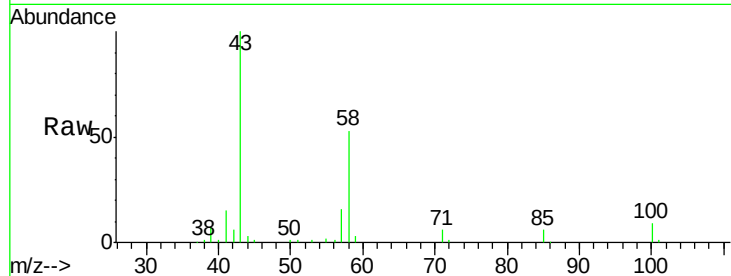




#59
2-Hexanone
Concen: 101.398 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.03 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

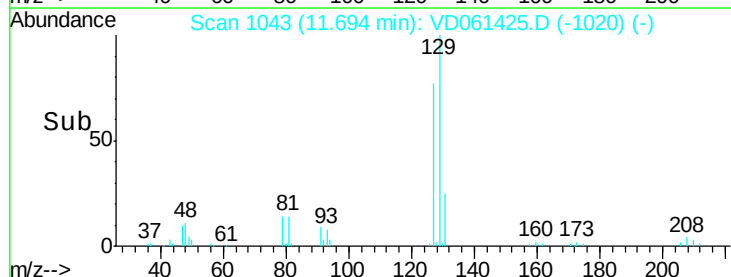
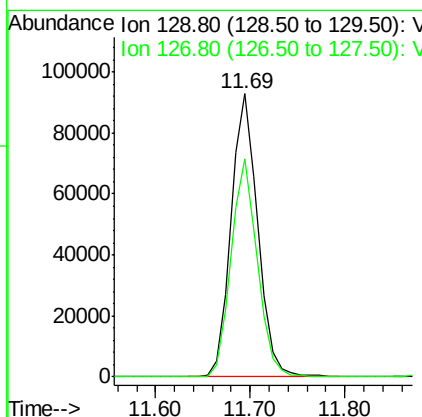
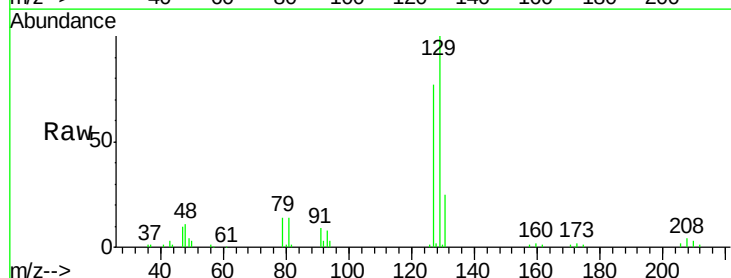
Instrument :
MSVOA_D
ClientSampleId :
VD0329SBSD01

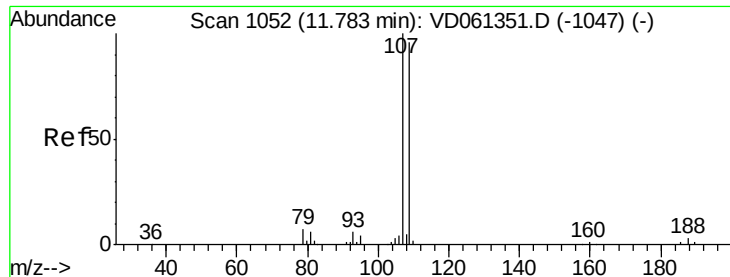
Tot Ion: 43 Resp: 299404
Ion Ratio Lower Upper
43 100
58 53.1 26.3 78.9



#60
Dibromochloromethane
Concen: 20.299 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.03 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 129 Resp: 180387
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9

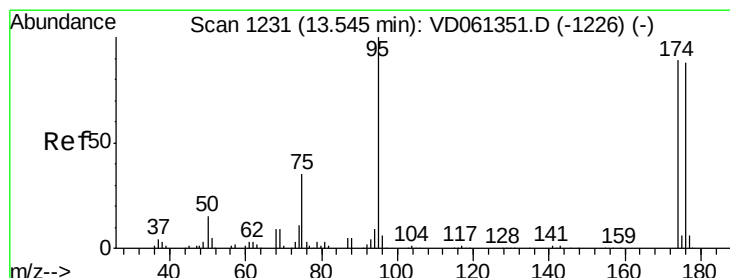
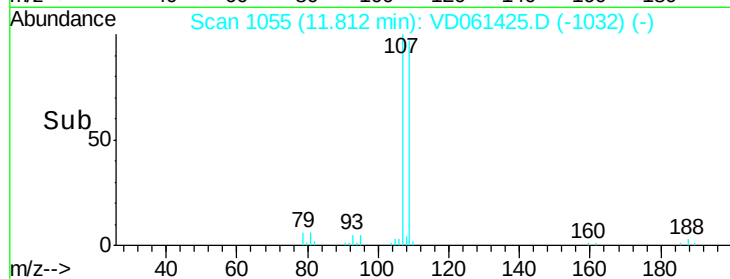
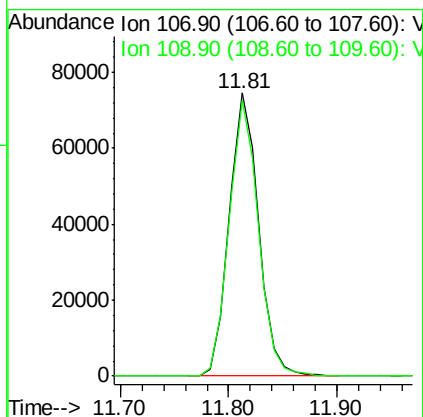
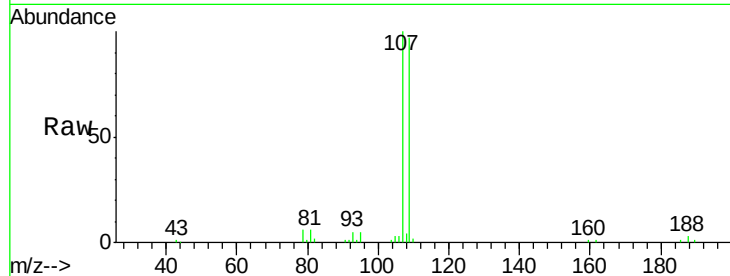




#61
 1,2-Dibromoethane
 Concen: 21.054 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.03 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

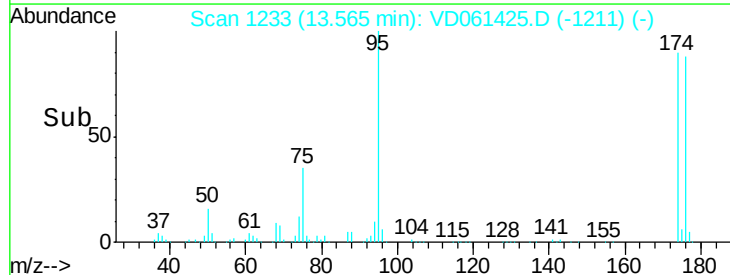
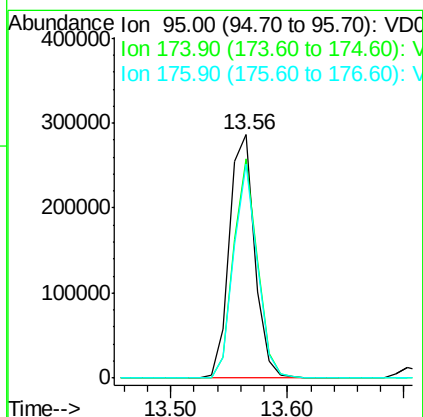
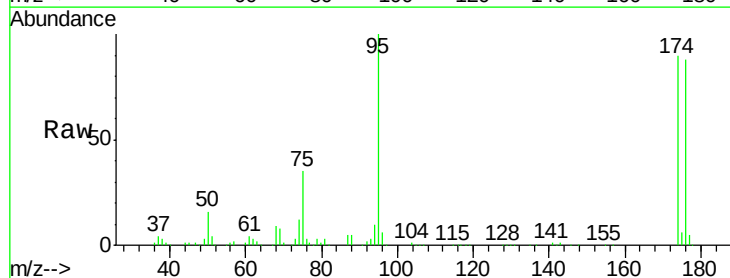
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBSD01

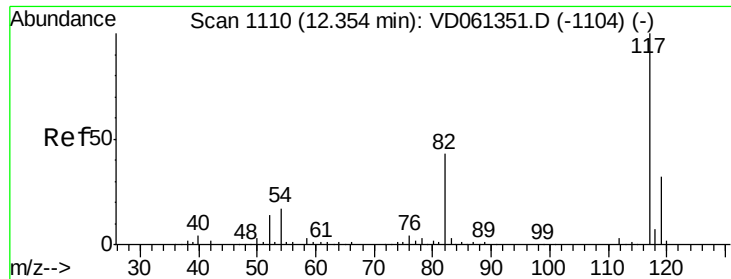
Tot Ion: 107 Resp: 140529
 Ion Ratio Lower Upper
 107 100
 109 97.3 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 21.054 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 95 Resp: 430133
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 178.0
 176 88.1 0.0 175.0

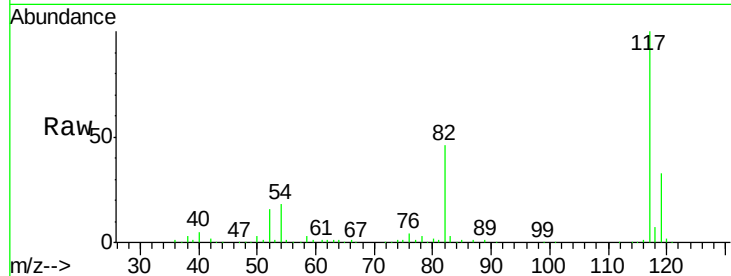




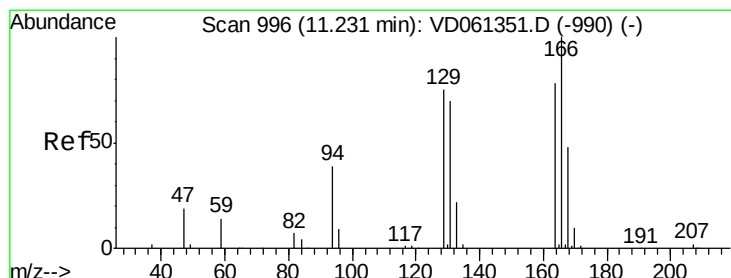
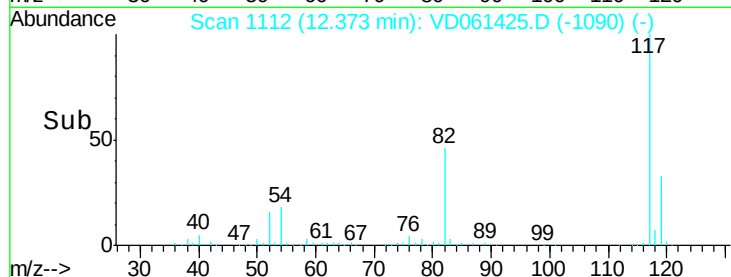
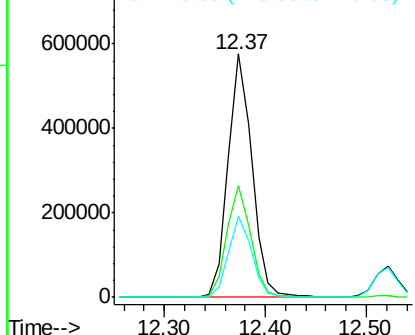
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0329SBSD01

Tot Ion:117 Resp: 946293
Ion Ratio Lower Upper
117 100
82 46.1 34.4 51.6
119 33.0 25.8 38.6

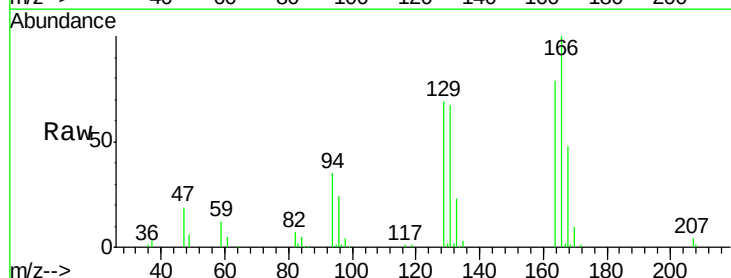


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

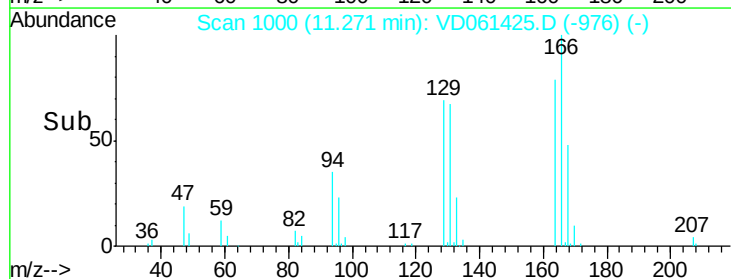
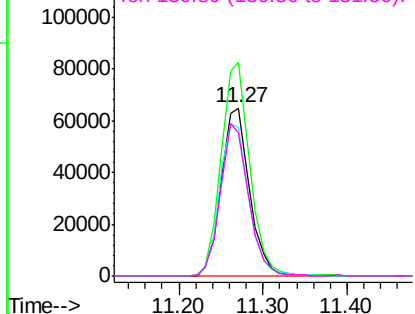


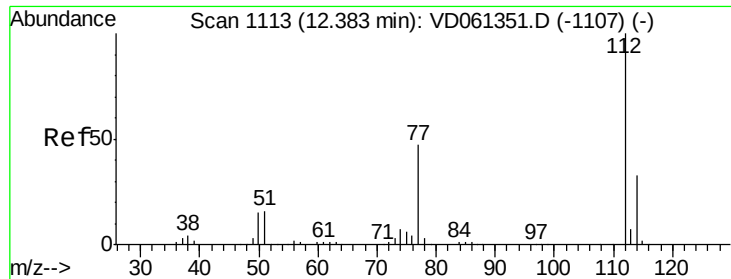
#64
Tetrachloroethene
Concen: 20.525 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.04 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion:164 Resp: 152435
Ion Ratio Lower Upper
164 100
166 127.2 102.4 153.6
129 88.2 76.8 115.2
131 85.3 71.8 107.6



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

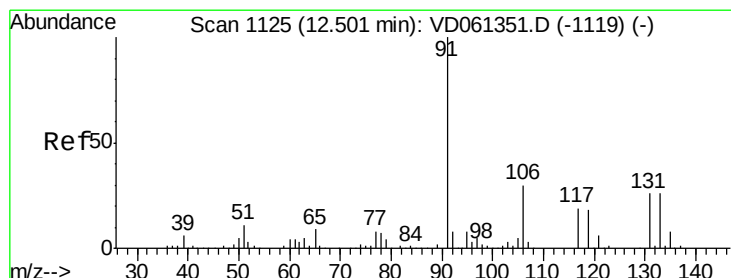
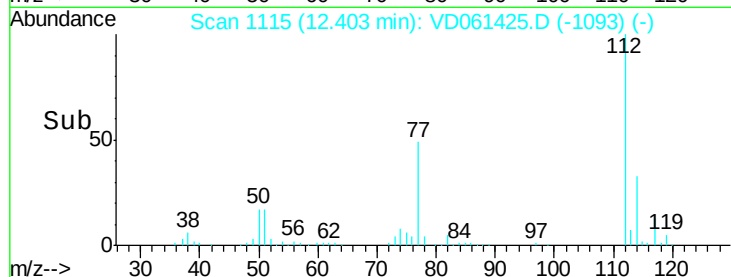
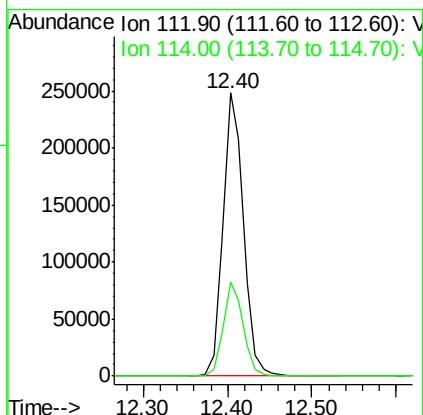
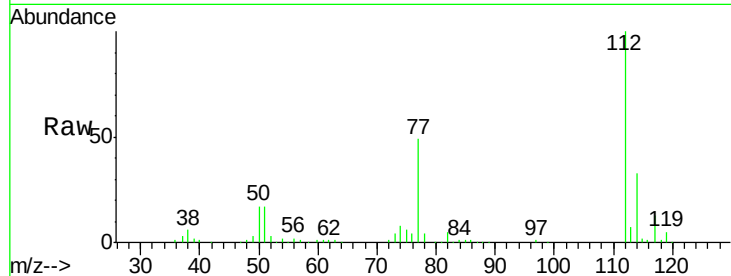




#65
Chlorobenzene
Concen: 21.517 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

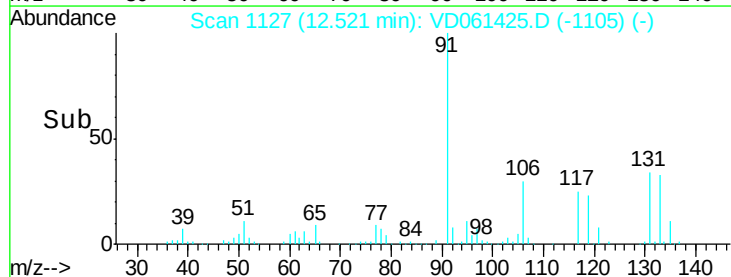
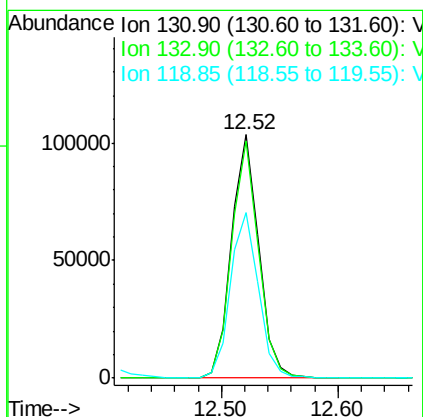
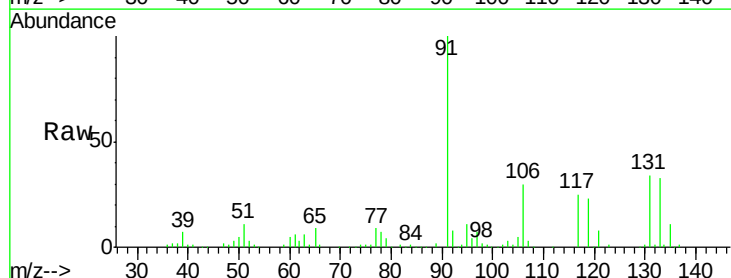
Instrument :
MSVOA_D
ClientSampleId :
VD0329SBS01

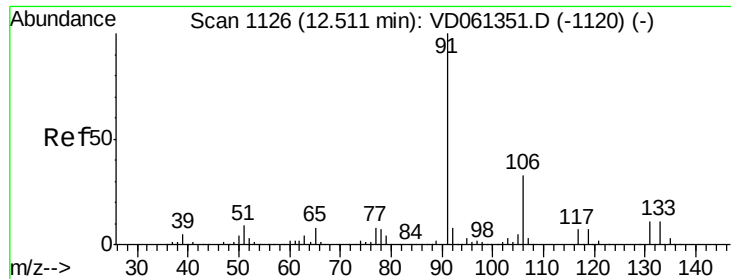
Tot Ion:112 Resp: 416113
Ion Ratio Lower Upper
112 100
114 33.3 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.522 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion:131 Resp: 168641
Ion Ratio Lower Upper
131 100
133 97.3 49.4 148.2
119 67.9 34.1 102.2

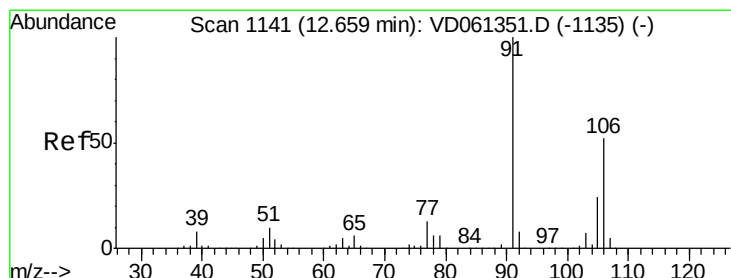
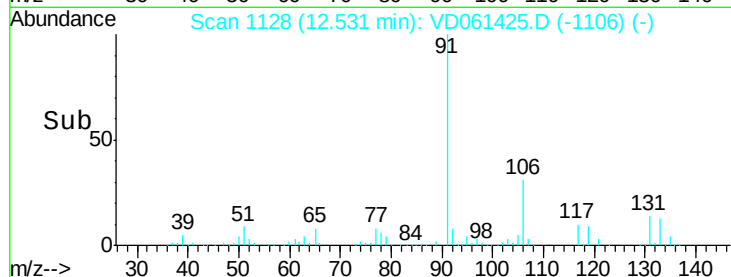
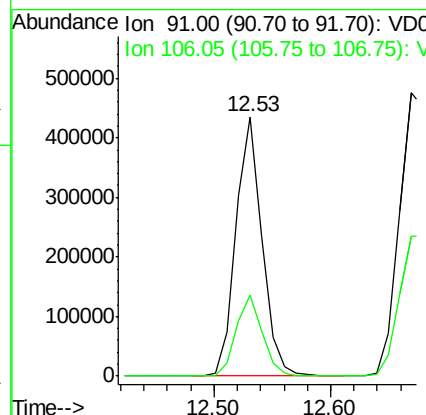
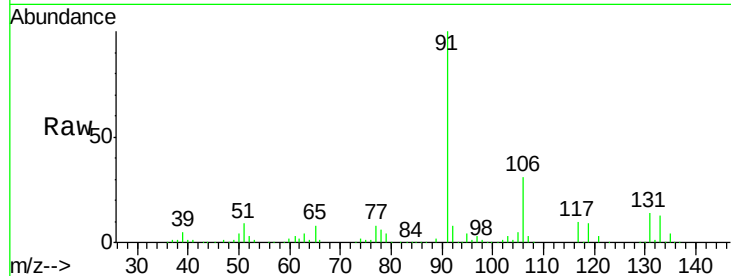




#67
Ethyl Benzene
Concen: 22.919 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

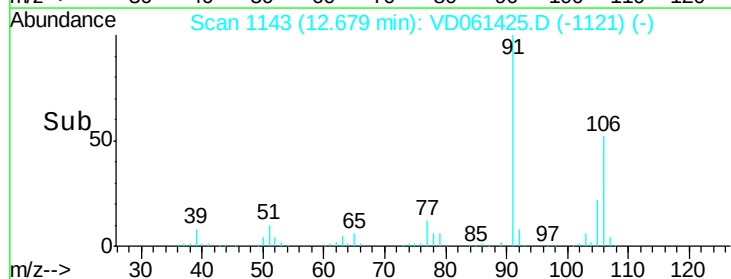
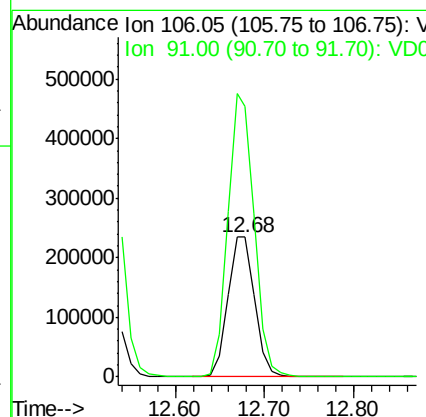
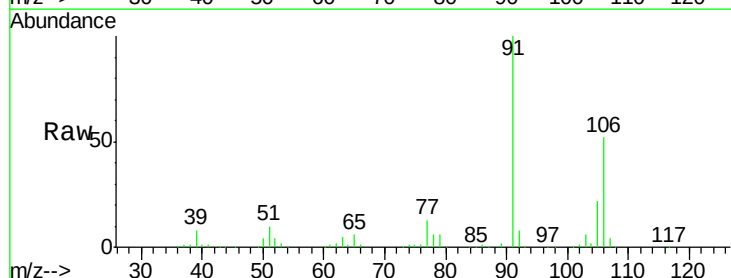
Instrument :
MSVOA_D
ClientSampleId :
VD0329SBSD01

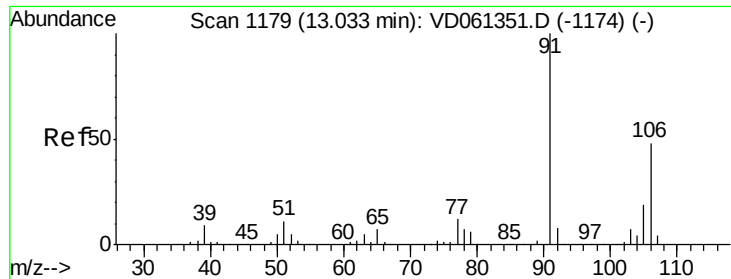
Tot Ion: 91 Resp: 676543
Ion Ratio Lower Upper
91 100
106 31.2 26.1 39.1



#68
m/p-Xylenes
Concen: 44.566 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion: 106 Resp: 498328
Ion Ratio Lower Upper
106 100
91 194.0 153.1 229.7

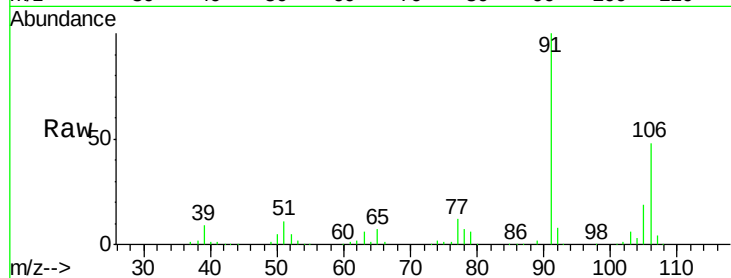




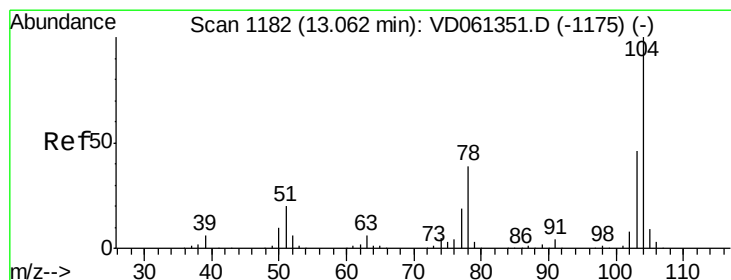
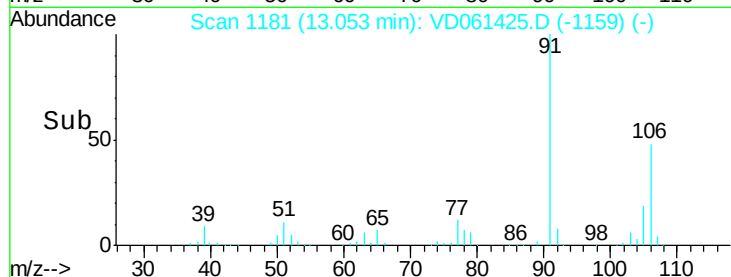
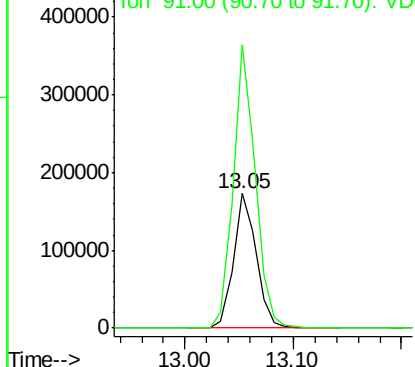
#69
o-Xylene
Concen: 23.238 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Instrument :
MSVOA_D
ClientSampleId :
VD0329SBSD01

Tot Ion:106 Resp: 252156
Ion Ratio Lower Upper
106 100
91 210.4 103.8 311.3

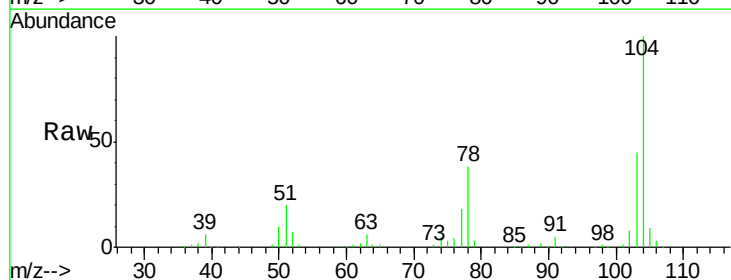


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

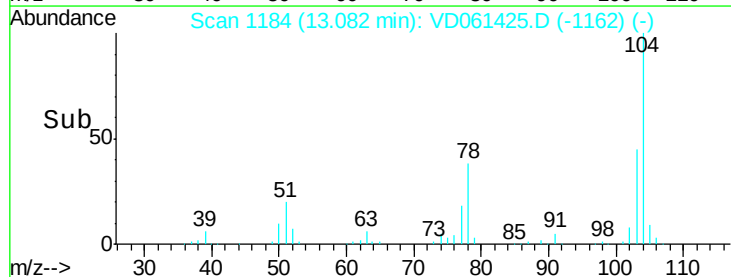
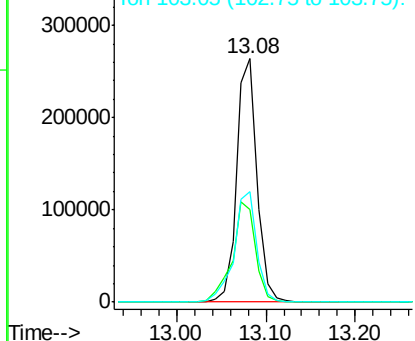


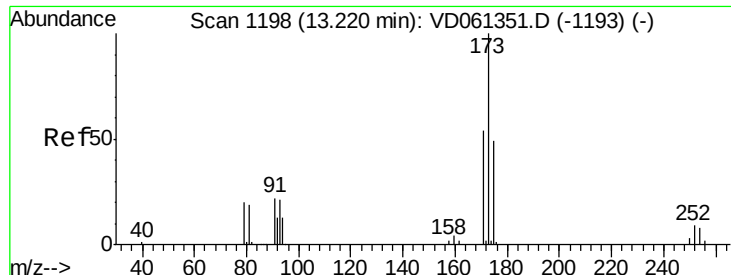
#70
Styrene
Concen: 22.137 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD061425.D
Acq: 29 Mar 2019 13:09

Tgt Ion:104 Resp: 418740
Ion Ratio Lower Upper
104 100
78 38.2 31.0 46.6
103 45.4 37.0 55.4



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: 20.196 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBSD01

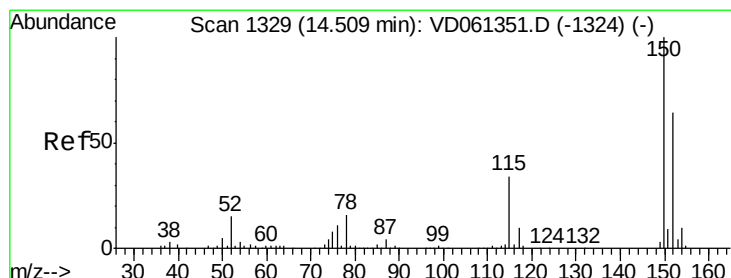
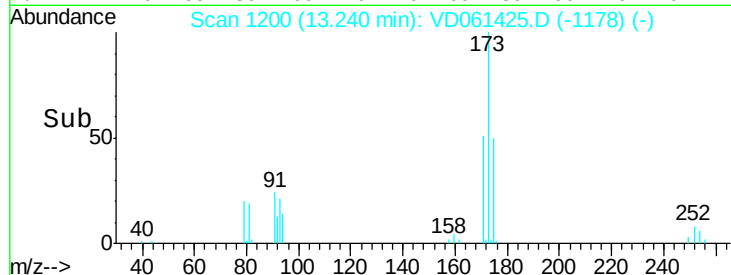
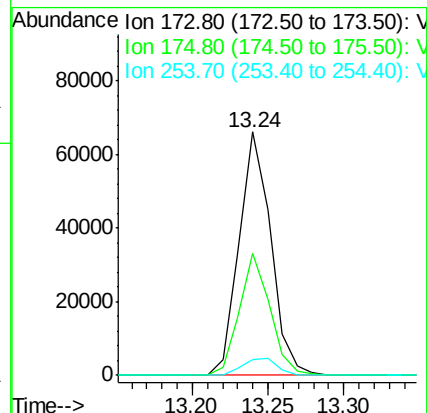
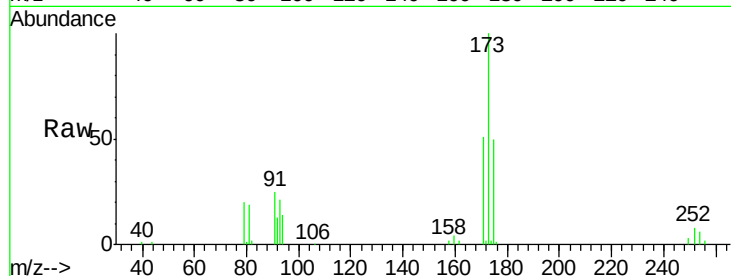
Tot Ion:173 Resp: 95863

Ion Ratio Lower Upper

173 100

175 49.9 24.6 73.8

254 6.4 6.6 10.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

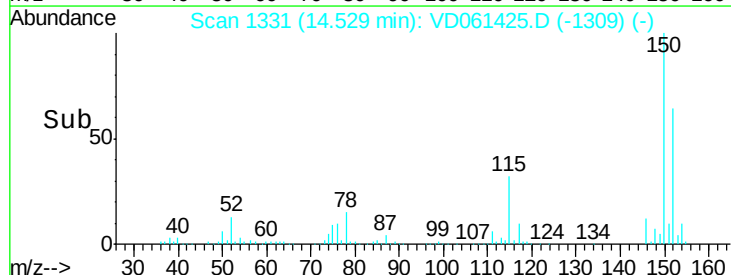
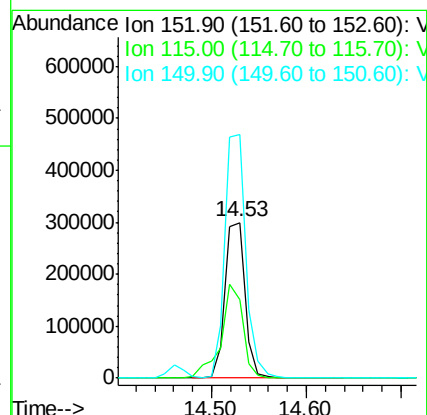
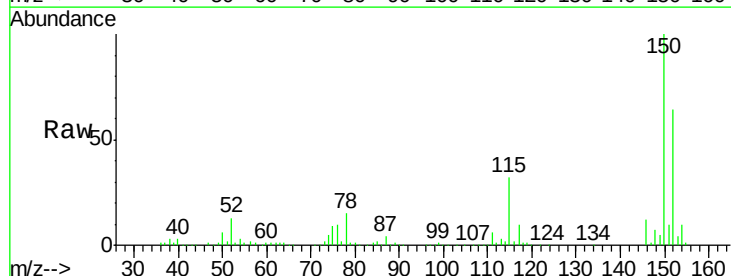
Tgt Ion:152 Resp: 435420

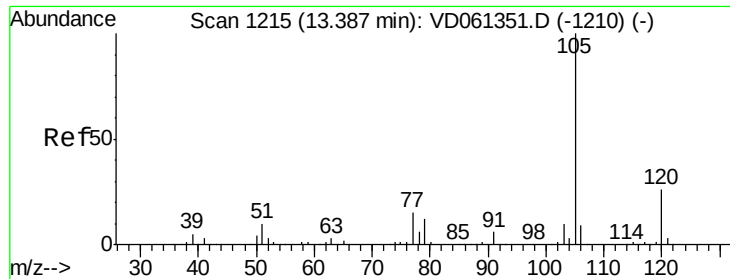
Ion Ratio Lower Upper

152 100

115 50.4 26.9 80.6

150 156.2 0.0 318.0





#73

Isopropylbenzene

Concen: 21.848 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

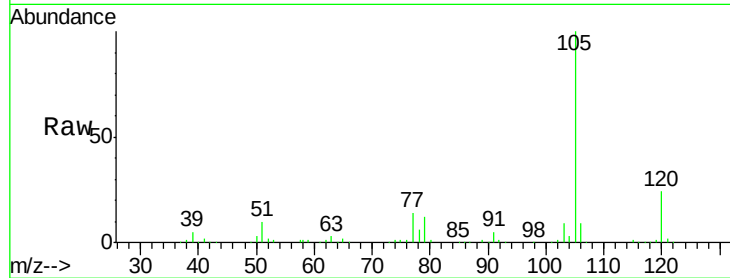
VD0329SBSD01

Tot Ion:105 Resp: 662087

Ion Ratio Lower Upper

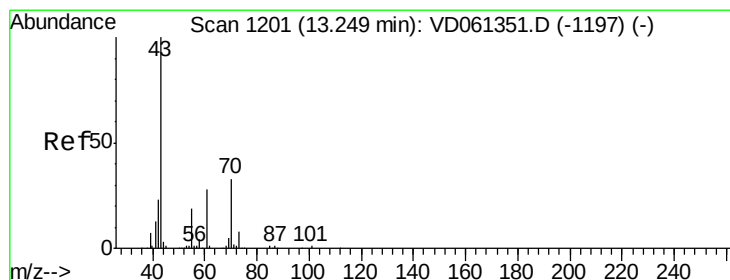
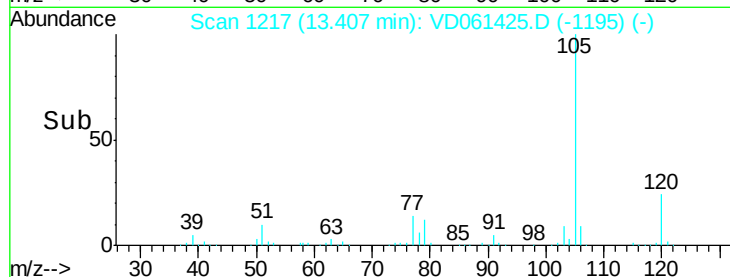
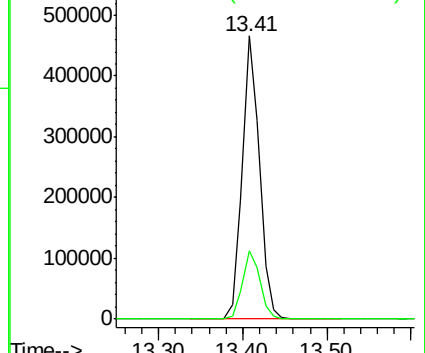
105 100

120 24.2 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.162 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Tgt Ion: 43 Resp: 161769

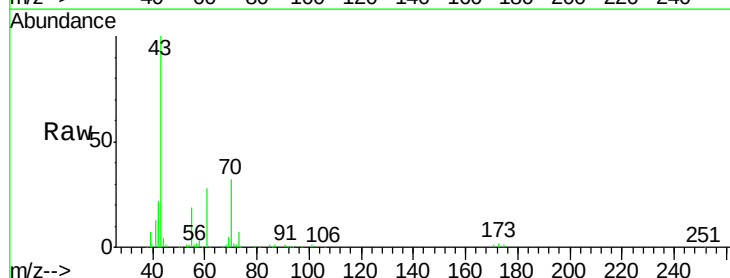
Ion Ratio Lower Upper

43 100

70 31.9 26.6 40.0

55 19.2 15.4 23.2

61 27.5 22.2 33.4

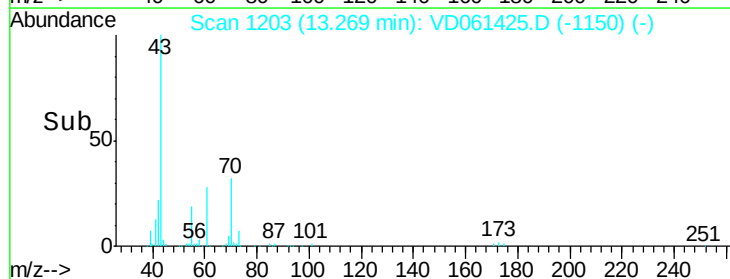
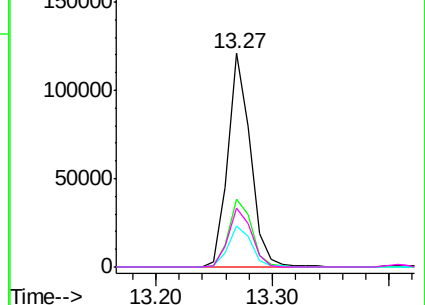


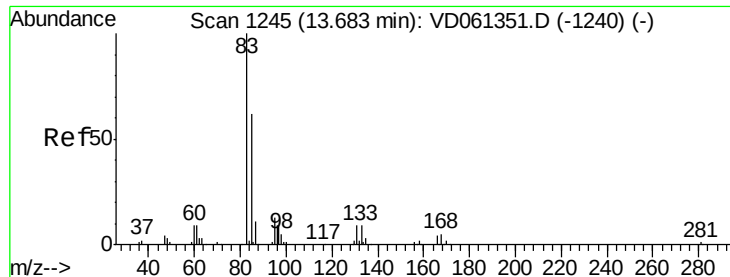
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.663 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

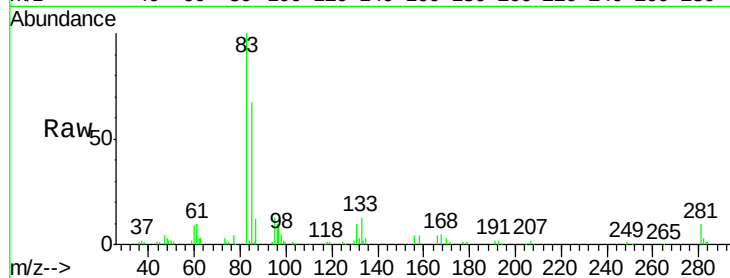
Tot Ion: 83 Resp: 132093

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.3	13.1
85	66.9	31.2	93.6

83 100

131 9.9 4.3 13.1

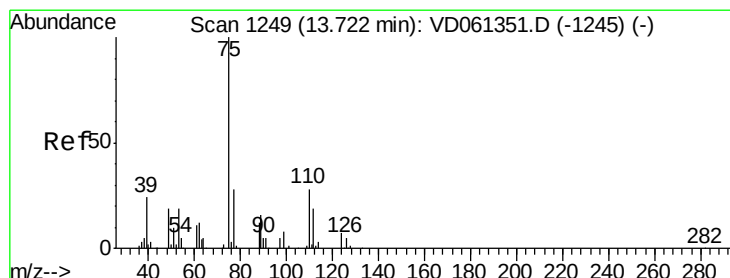
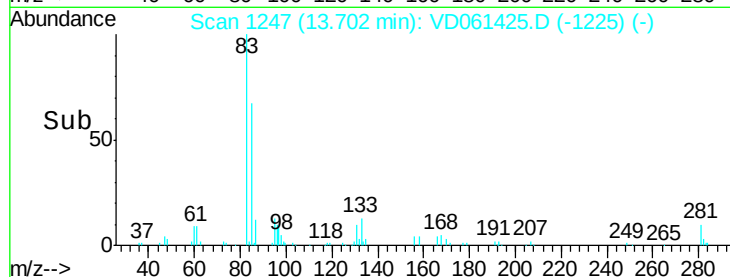
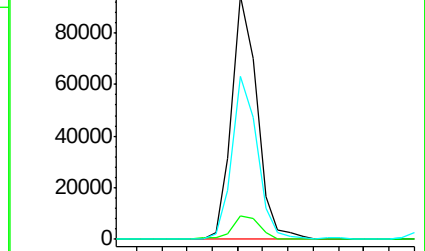
85 66.9 31.2 93.6



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: 20.742 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.02 min

Lab File: VD061425.D

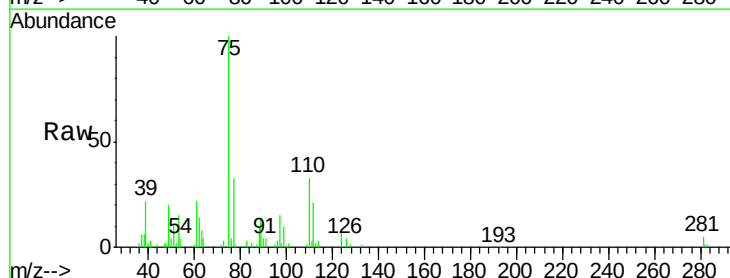
Acq: 29 Mar 2019 13:09

Tgt Ion: 75 Resp: 130459

Ion	Ratio	Lower	Upper
75	100		
77	33.1	16.2	48.5

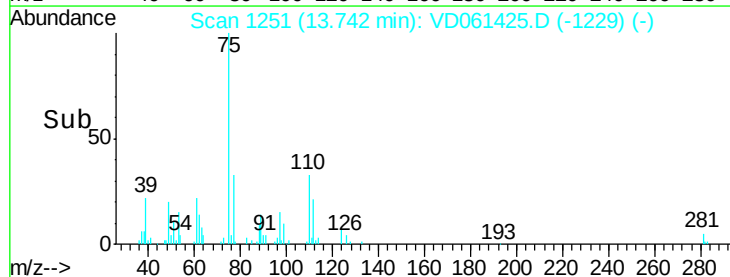
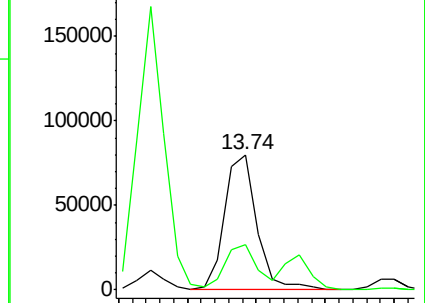
75 100

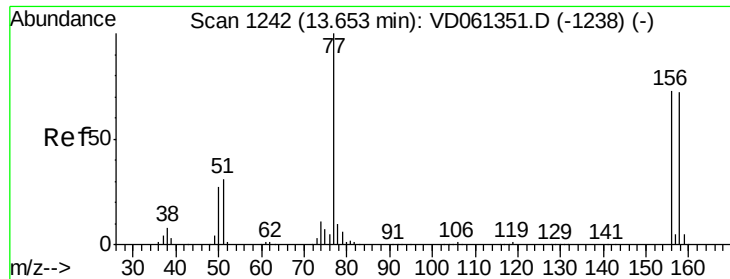
77 33.1 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.105 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

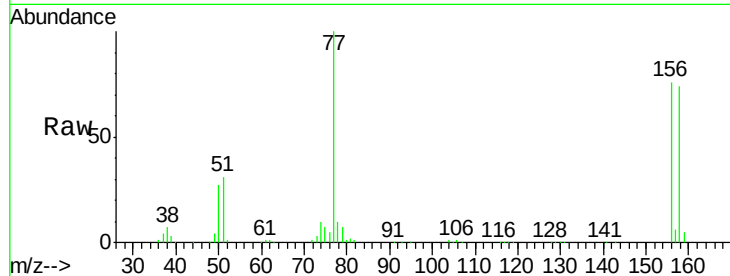
Tot Ion:156 Resp: 180628

Ion Ratio Lower Upper

156 100

77 130.9 68.5 205.6

158 97.2 49.1 147.3

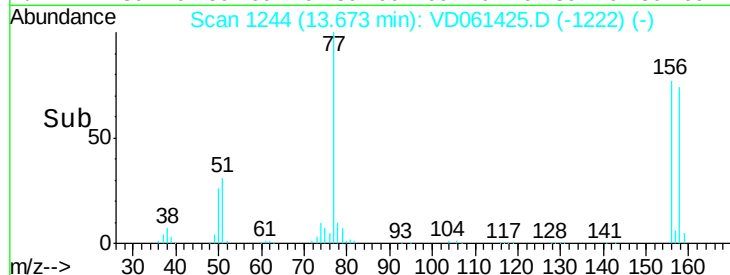


Abundance Ion 155.90 (155.60 to 156.60): V

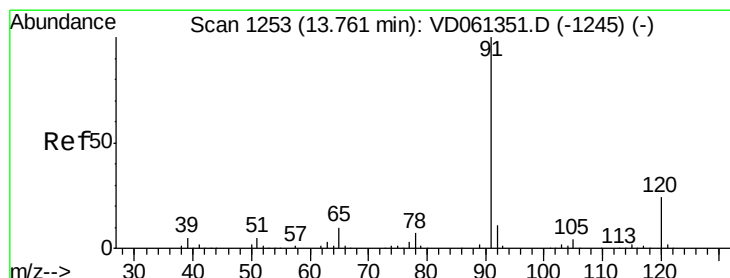
Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

Time-->



Time-->



#78

n-propylbenzene

Concen: 22.698 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD061425.D

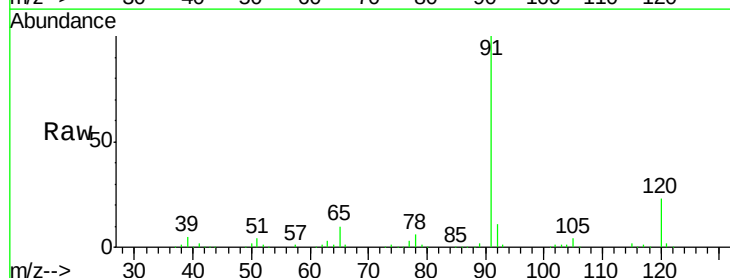
Acq: 29 Mar 2019 13:09

Tgt Ion: 91 Resp: 841789

Ion Ratio Lower Upper

91 100

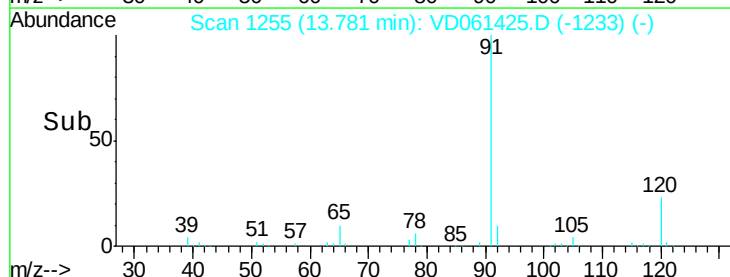
120 22.7 11.8 35.3



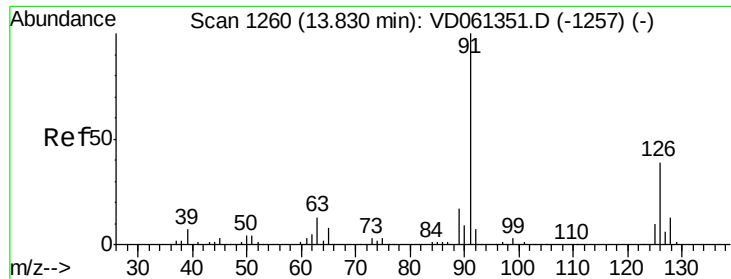
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

Time-->



Time-->



#79

2-Chlorotoluene

Concen: 21.752 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

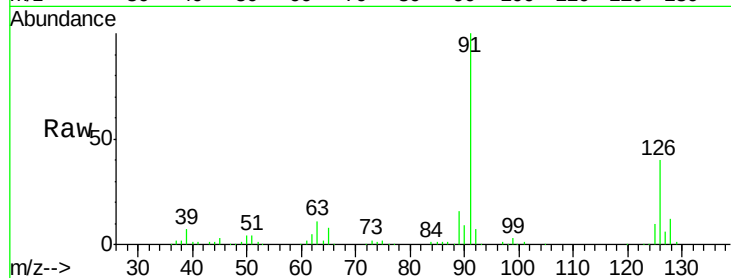
VD0329SBSD01

Tot Ion: 91 Resp: 438016

Ion Ratio Lower Upper

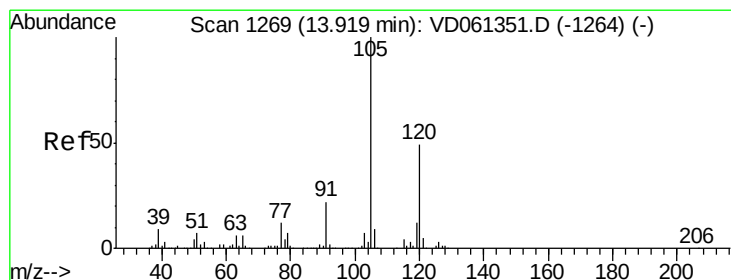
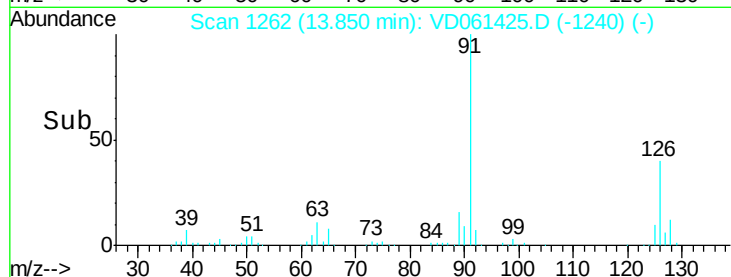
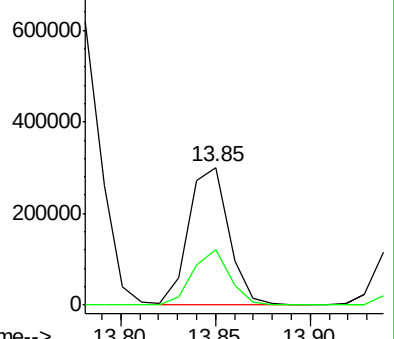
91 100

126 40.3 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.939 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.02 min

Lab File: VD061425.D

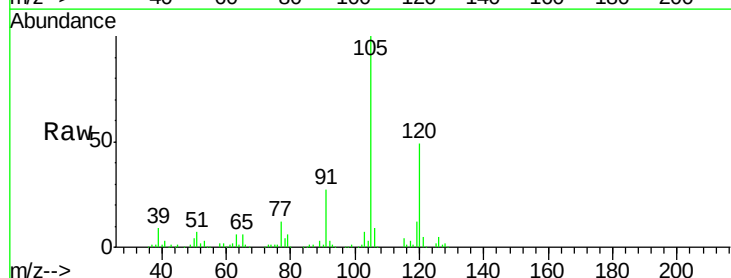
Acq: 29 Mar 2019 13:09

Tgt Ion: 105 Resp: 539355

Ion Ratio Lower Upper

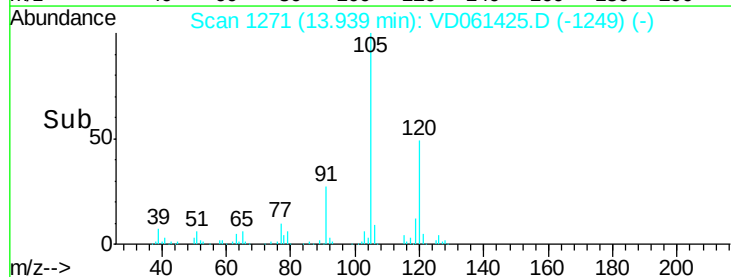
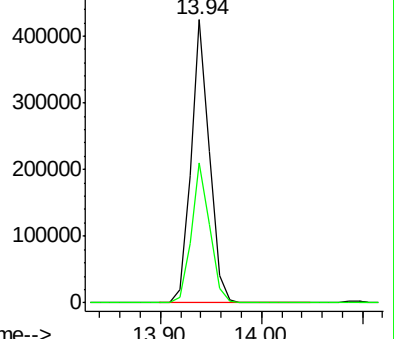
105 100

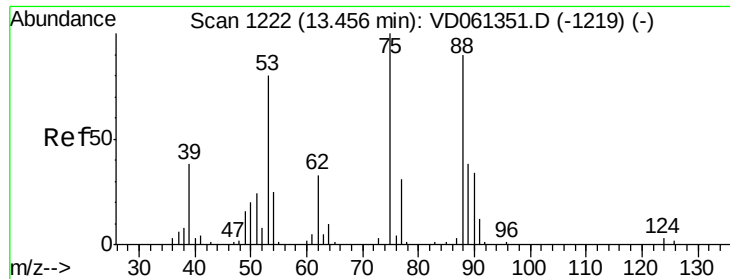
120 49.3 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.321 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBSD01

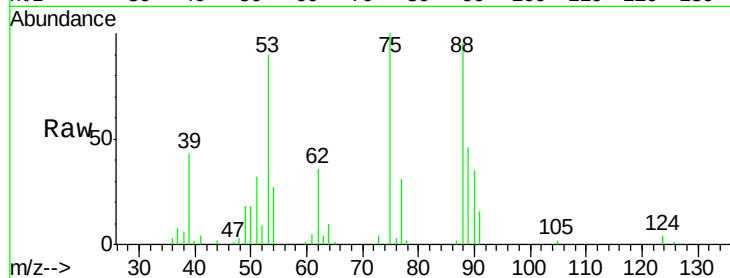
Tot Ion: 75 Resp: 37052

Ion Ratio Lower Upper

75 100

53 90.3 63.8 95.8

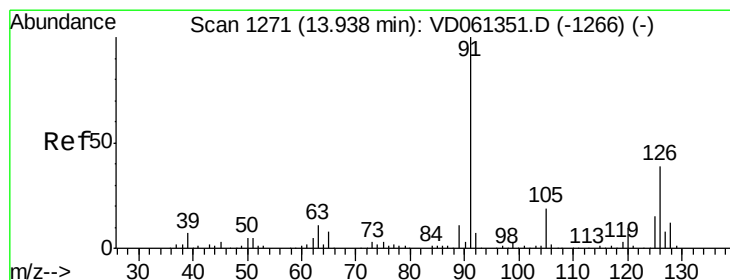
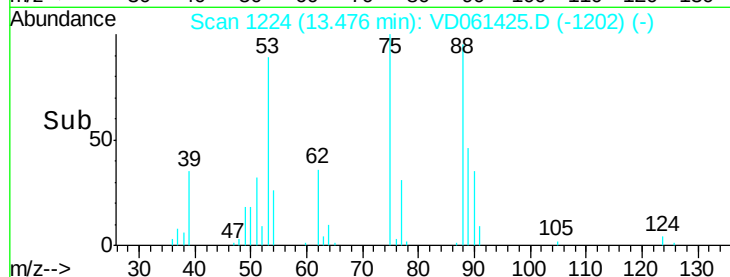
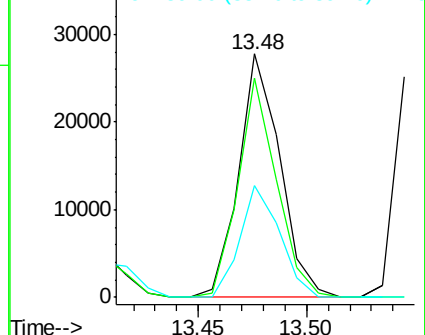
89 45.8 30.5 45.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.824 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061425.D

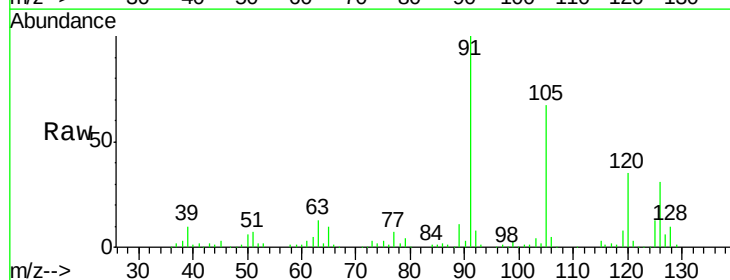
Acq: 29 Mar 2019 13:09

Tgt Ion: 91 Resp: 499749

Ion Ratio Lower Upper

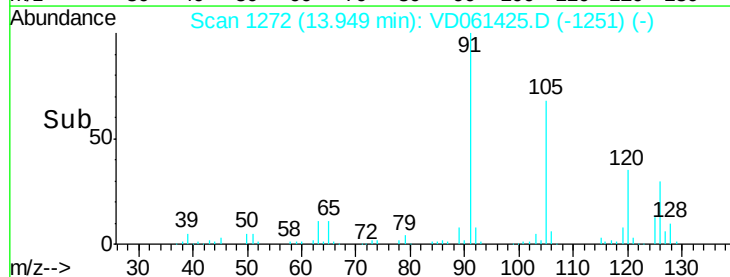
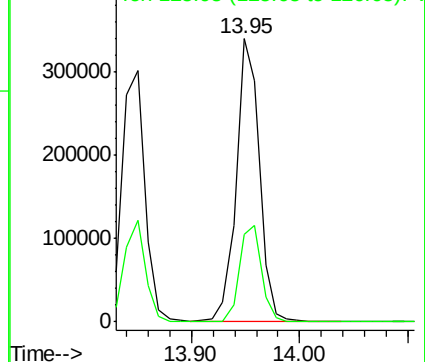
91 100

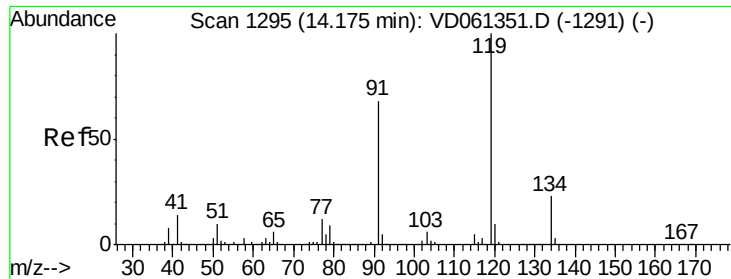
126 31.1 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

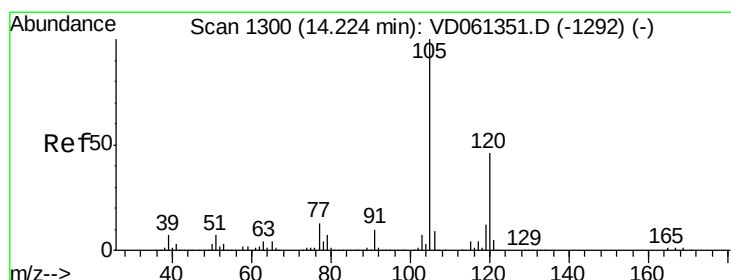
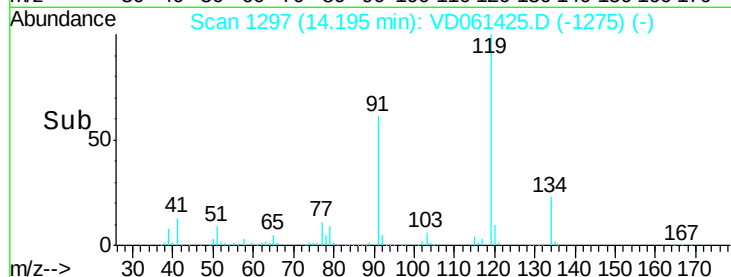
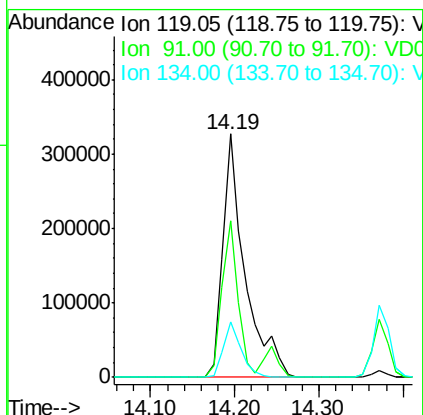
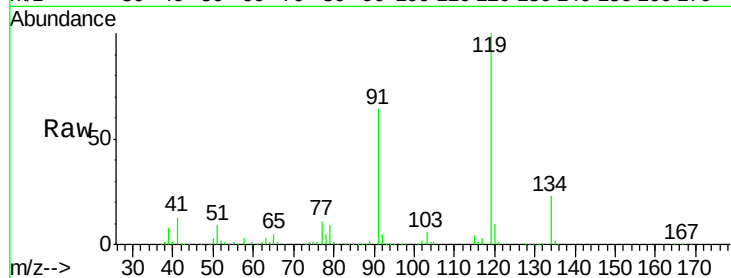




#83
 tert-Butylbenzene
 Concen: 20.423 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

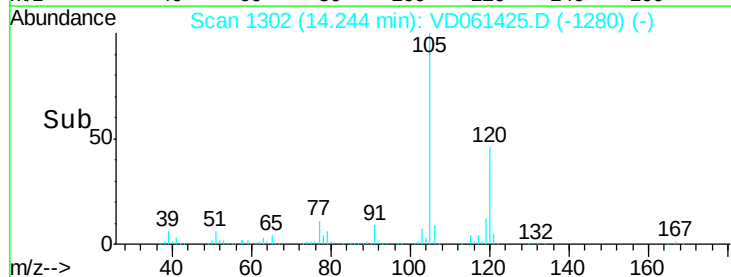
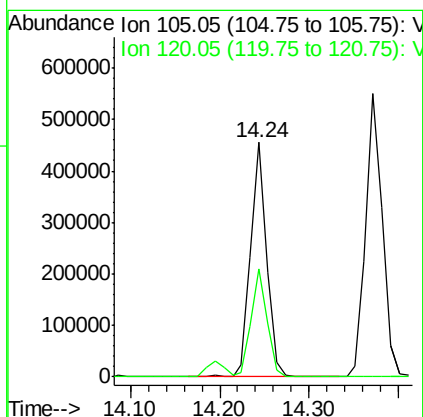
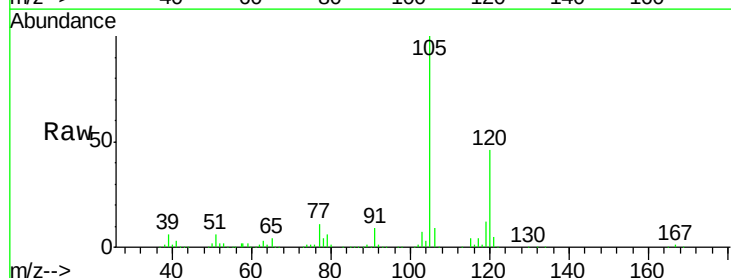
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBSD01

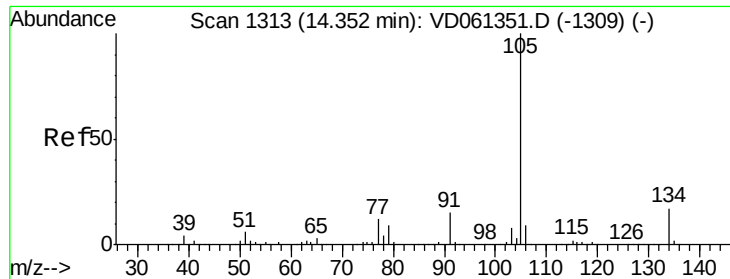
Tot Ion:119 Resp: 600130
 Ion Ratio Lower Upper
 119 100
 91 64.3 34.1 102.3
 134 23.0 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.133 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion:105 Resp: 563421
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.8 68.4





#85

sec-Butylbenzene

Concen: 22.597 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

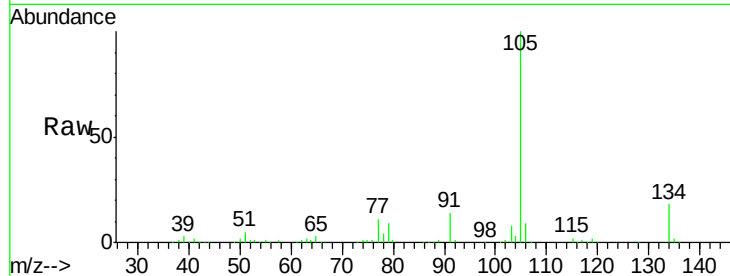
VD0329SBS01

Tot Ion:105 Resp: 705420

Ion Ratio Lower Upper

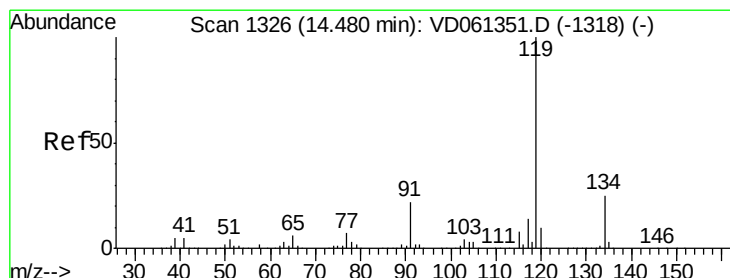
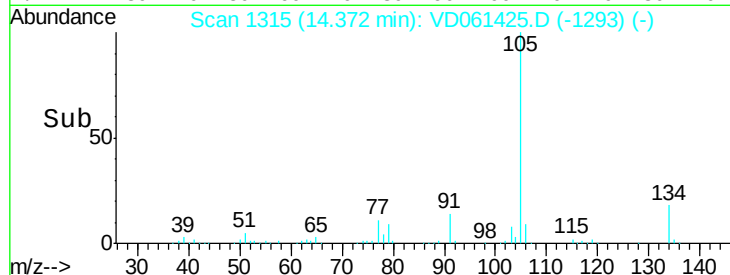
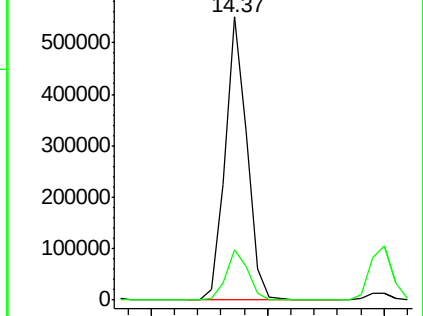
105 100

134 17.7 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.972 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

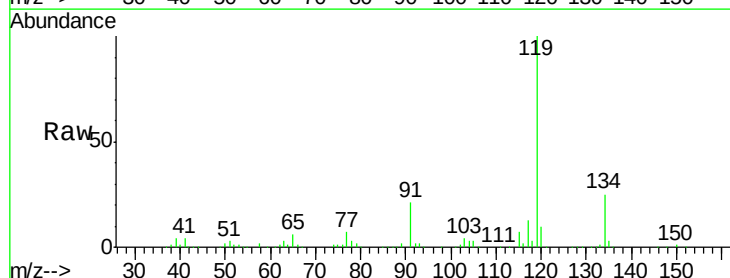
Tgt Ion:119 Resp: 579989

Ion Ratio Lower Upper

119 100

134 24.7 12.3 36.8

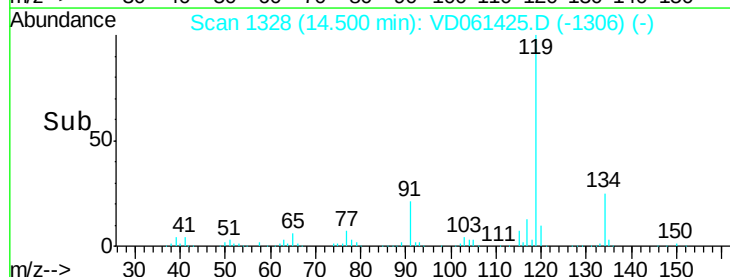
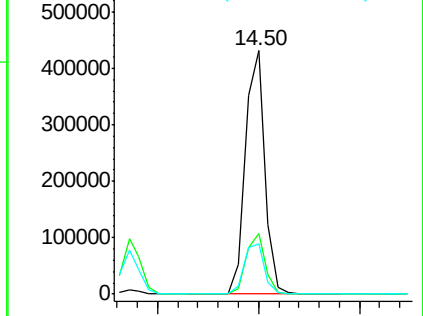
91 20.9 11.1 33.1

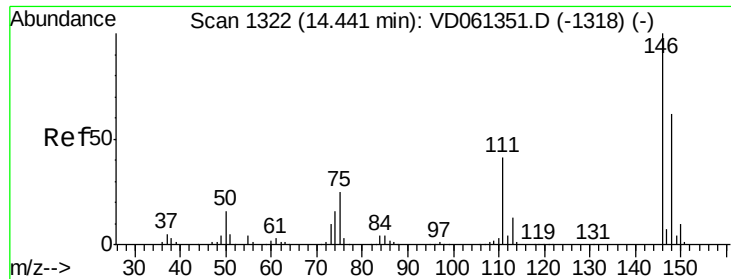


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

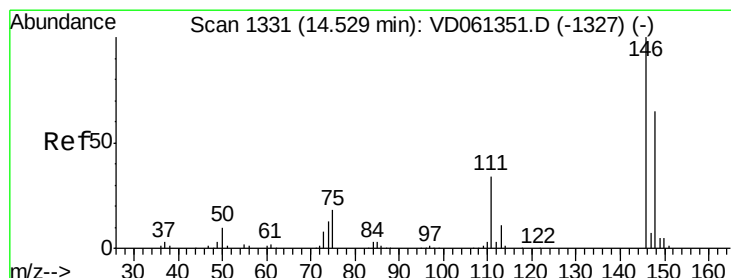
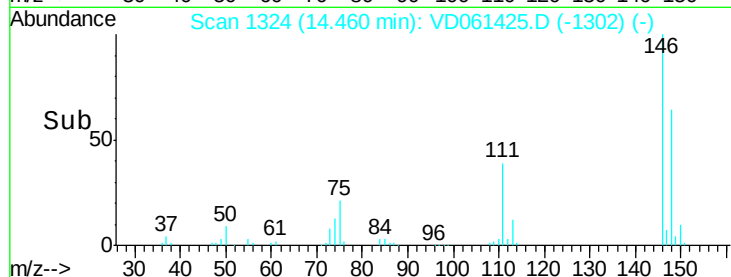
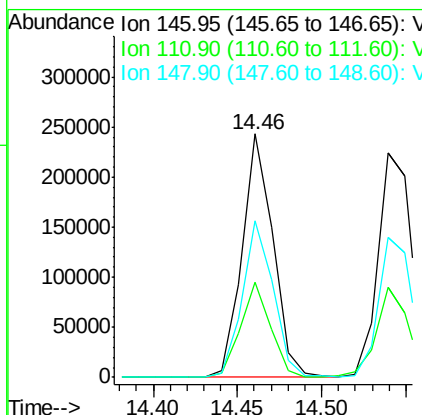
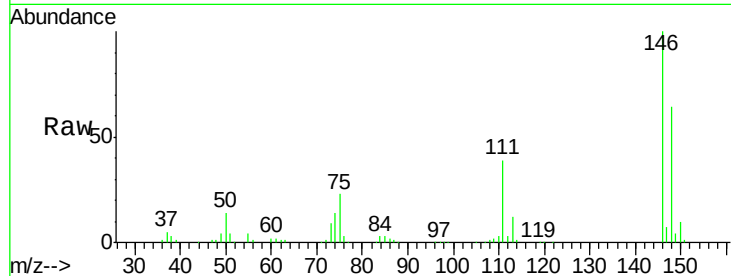




#87
 1,3-Dichlorobenzene
 Concen: 20.320 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

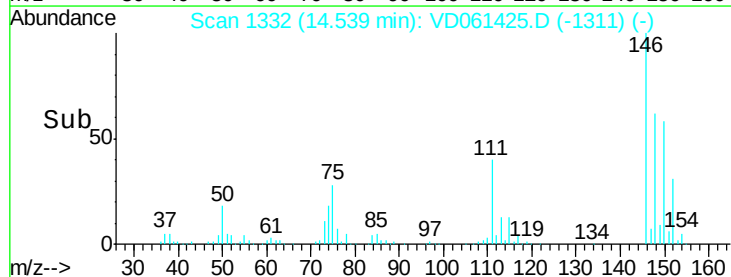
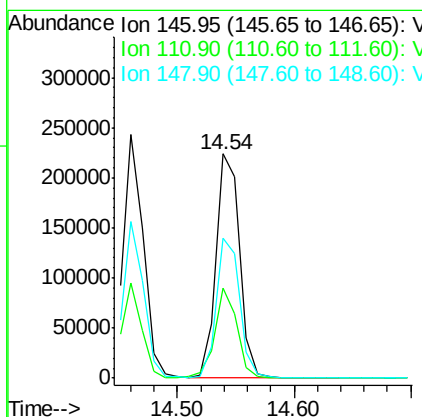
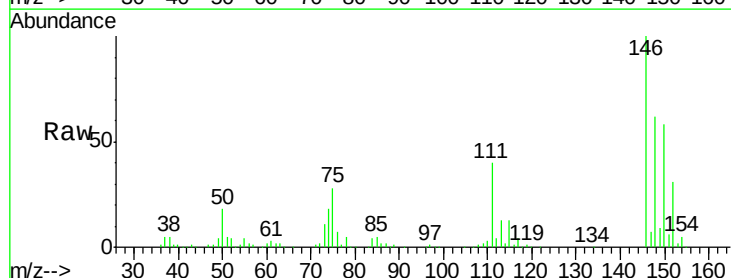
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

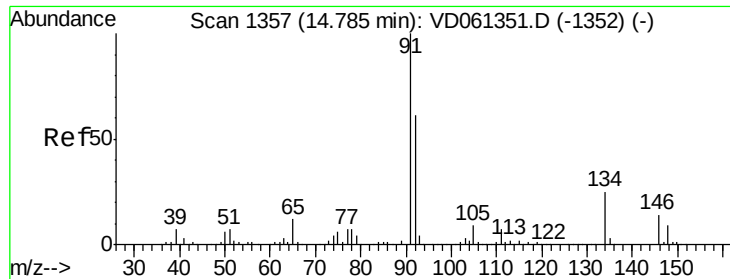
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.6	61.9
148	64.2	31.1	93.3



#88
 1,4-Dichlorobenzene
 Concen: 21.148 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	16.8	50.4
148	62.3	32.6	98.0





#89

n-Butylbenzene

Concen: 22.637 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBS01

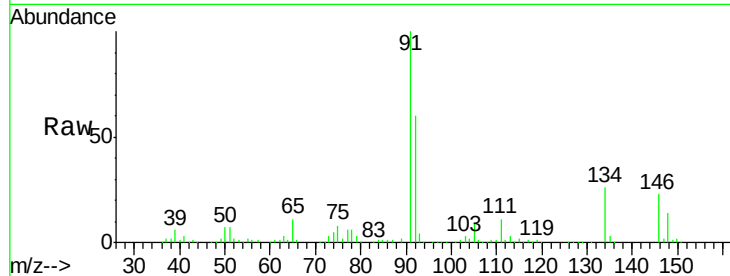
Tot Ion: 91 Resp: 548459

Ion Ratio Lower Upper

91 100

92 60.3 30.3 91.0

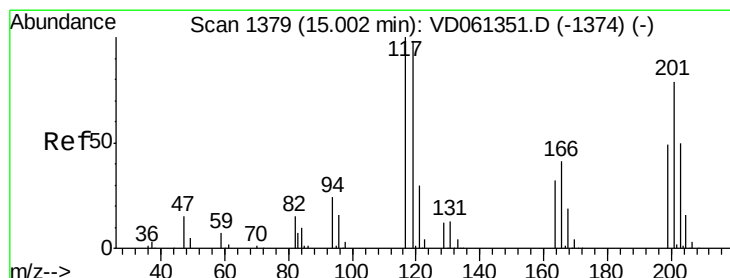
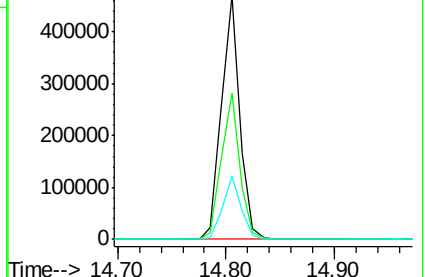
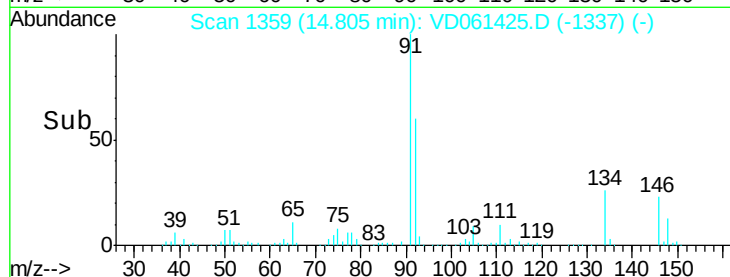
134 25.7 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.532 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061425.D

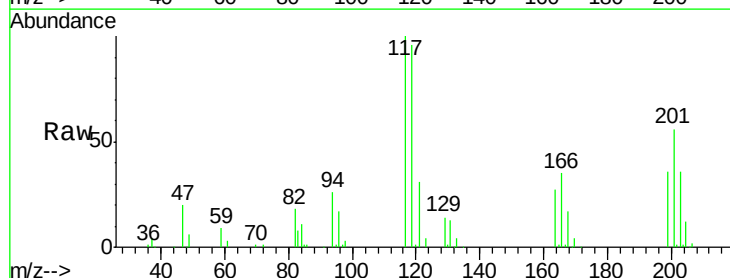
Acq: 29 Mar 2019 13:09

Tgt Ion: 117 Resp: 153115

Ion Ratio Lower Upper

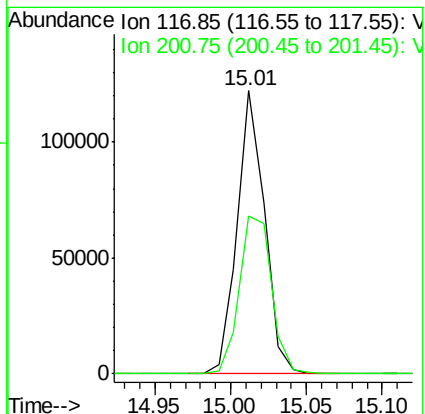
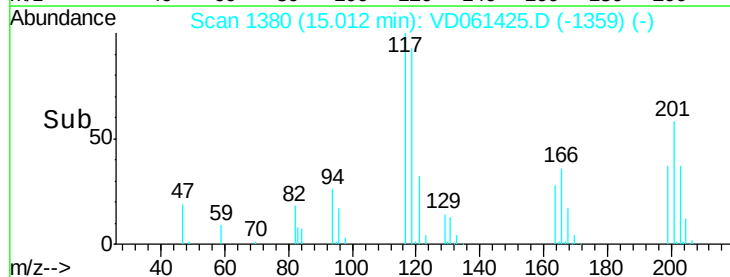
117 100

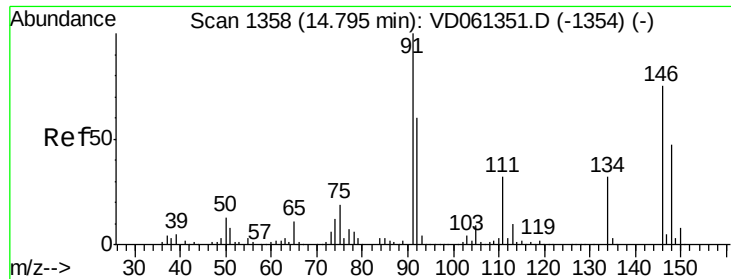
201 55.9 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

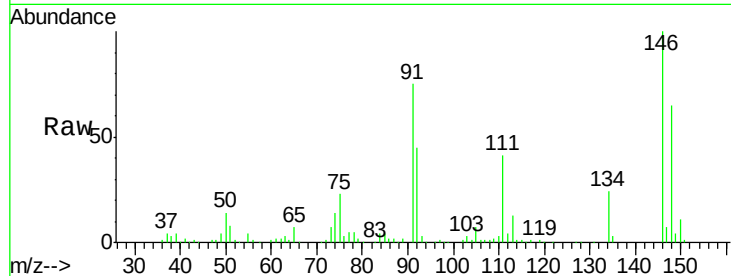




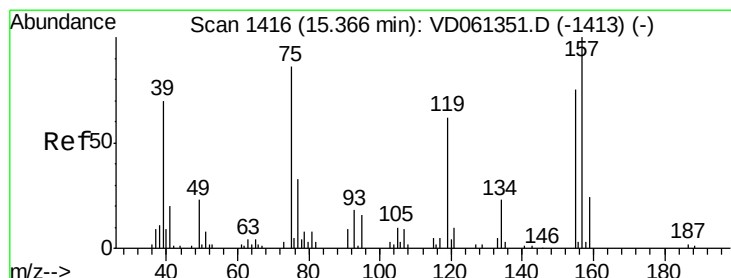
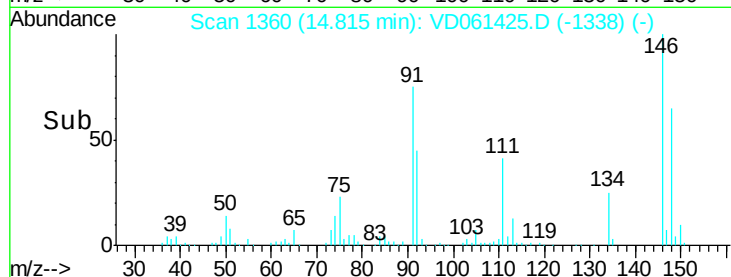
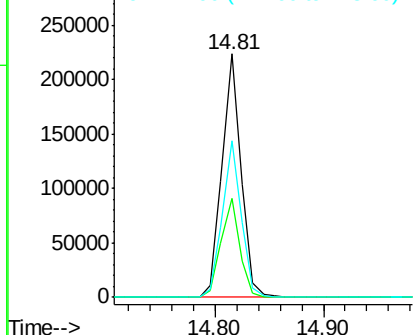
#91
 1,2-Dichlorobenzene
 Concen: 21.965 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBSD01

Tot Ion:146 Resp: 274106
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.2 63.6
 148 64.5 31.6 95.0

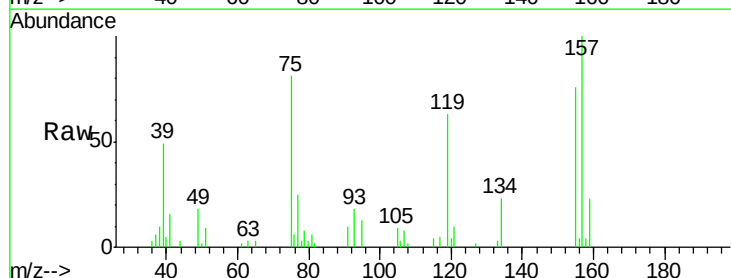


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

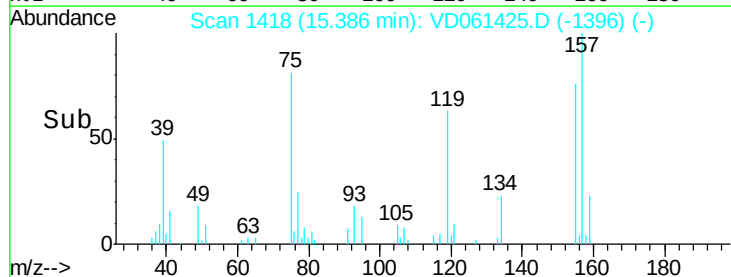
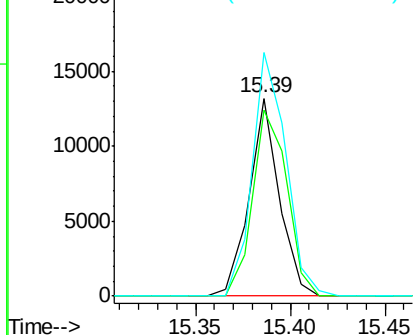


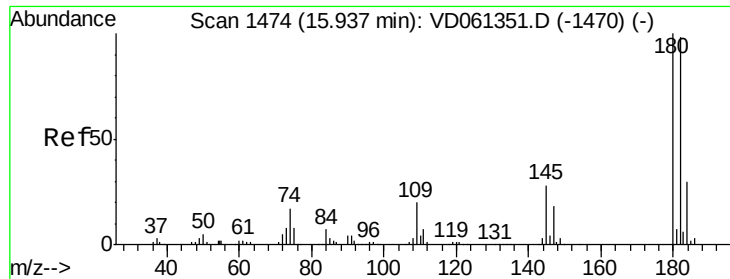
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.508 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion: 75 Resp: 14627
 Ion Ratio Lower Upper
 75 100
 155 93.9 43.6 130.9
 157 123.0 58.5 175.3



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

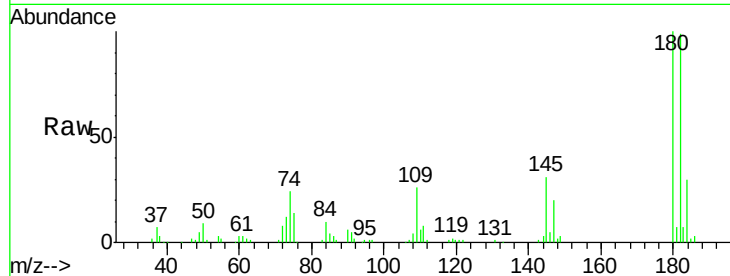




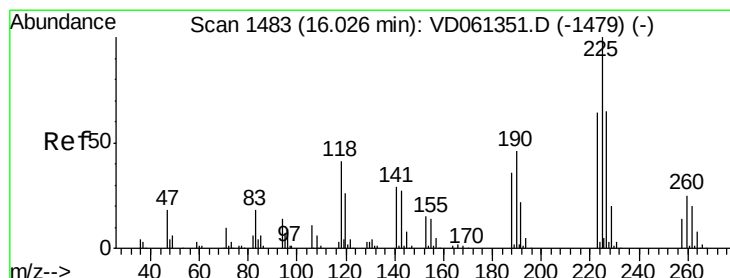
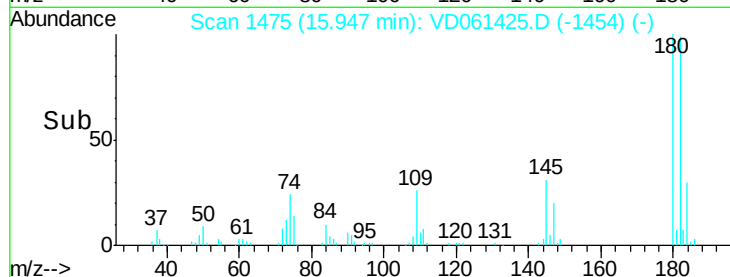
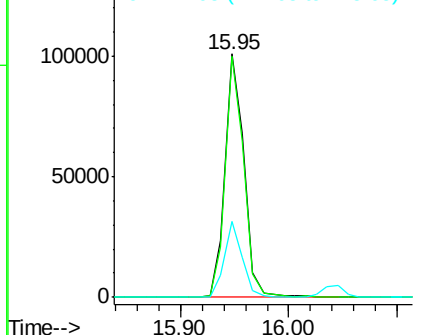
#93
 1,2,4-Trichlorobenzene
 Concen: 21.658 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.8	48.9	146.8
145	31.2	14.1	42.3

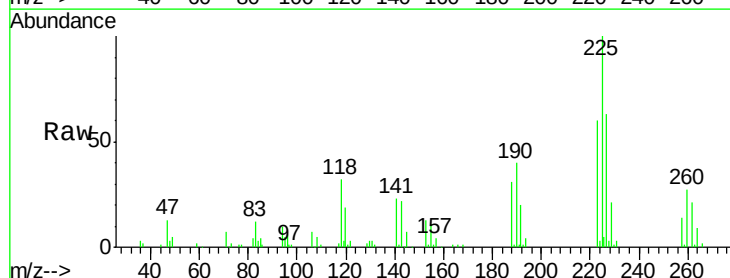


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

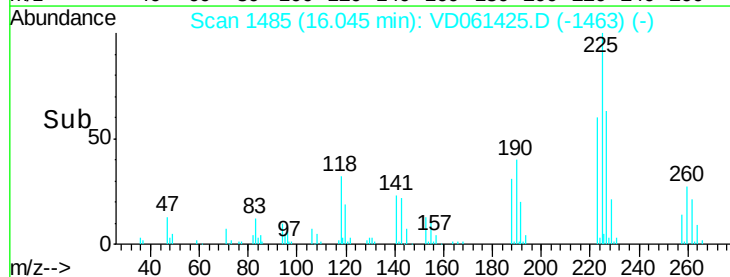
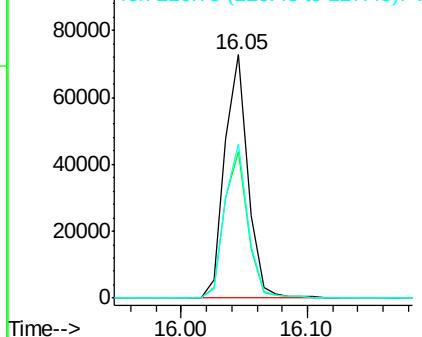


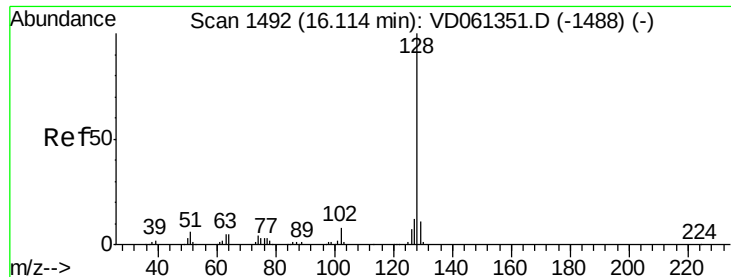
#94
 Hexachlorobutadiene
 Concen: 20.789 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD061425.D
 Acq: 29 Mar 2019 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	32.0	96.0
227	63.1	32.4	97.2



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: 20.219 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.02 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

Instrument :

MSVOA_D

ClientSampleId :

VD0329SBSD01

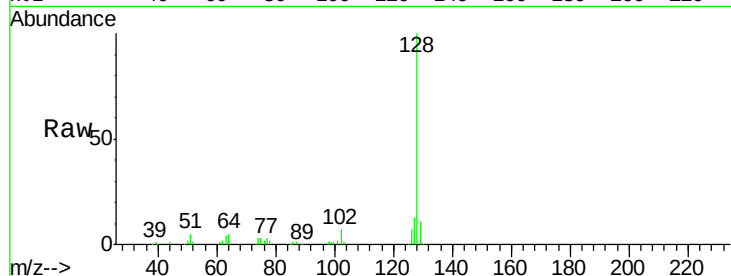
Tot Ion:128 Resp: 175197

Ion Ratio Lower Upper

128 100

127 13.1 9.9 14.9

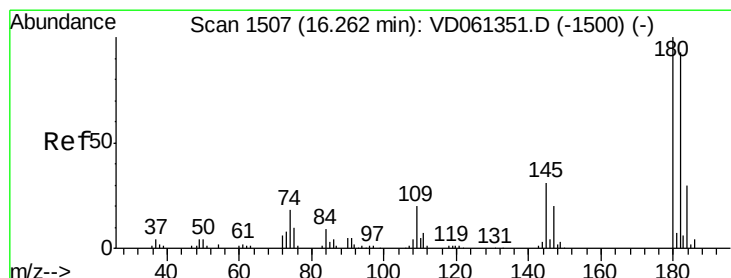
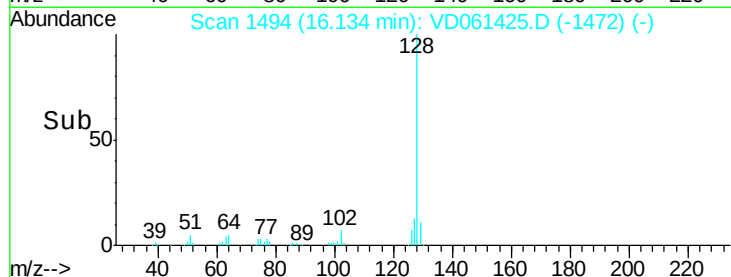
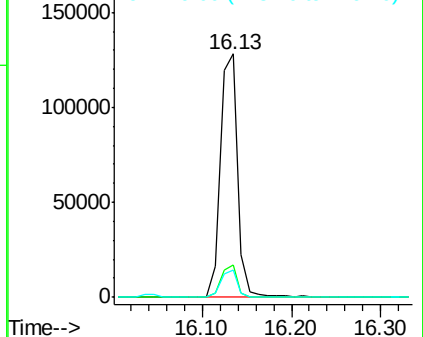
129 11.0 8.9 13.3



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: 21.878 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD061425.D

Acq: 29 Mar 2019 13:09

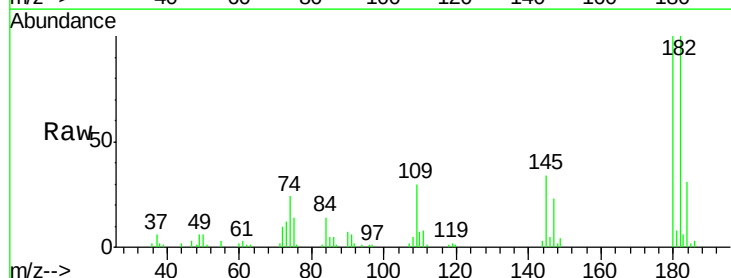
Tgt Ion:180 Resp: 54728

Ion Ratio Lower Upper

180 100

182 99.5 46.4 139.1

145 33.9 15.3 45.9



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

