

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061975.D
 Acq On : 23 Apr 2019 17:39
 Operator : VA/AP
 Sample : VD0423SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

Quant Time: Apr 24 02:09:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	527267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	812737	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	680436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	322715	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	198141	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
35) Dibromofluoromethane	6.93	113	276959	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	10.41	98	648142	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	13.55	95	259127	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	88761	18.853	ug/l	98
3) Chloromethane	1.74	50	87841	21.952	ug/l	98
4) Vinyl Chloride	1.84	62	75935	20.937	ug/l	99
5) Bromomethane	2.15	94	20263	18.559	ug/l	94
6) Chloroethane	2.24	64	26121	19.924	ug/l	99
7) Trichlorofluoromethane	2.52	101	116803	21.300	ug/l	99
8) Diethyl Ether	2.87	74	33645	22.892	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.14	101	106258	21.035	ug/l	99
10) Methyl Iodide	3.31	142	105042	17.595	ug/l	98
11) Tert butyl alcohol	4.06	59	25916	111.151	ug/l	96
12) 1,1-Dichloroethene	3.12	96	87013	20.246	ug/l	98
13) Acrolein	3.03	56	27778	114.824	ug/l	86
14) Allyl chloride	3.61	41	118235	20.147	ug/l	94
15) Acrylonitrile	4.19	53	77444	107.265	ug/l	97
16) Acetone	3.22	43	97904	99.362	ug/l	95
17) Carbon Disulfide	3.38	76	242496	19.526	ug/l	98
18) Methyl Acetate	3.63	43	43876	23.403	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	183555	21.525	ug/l	99
20) Methylene Chloride	3.81	84	110080	21.106	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	101583	20.604	ug/l	93
22) Diisopropyl ether	5.12	45	272467	19.886	ug/l	97
23) Vinyl Acetate	5.05	43	738294	103.470	ug/l	99
24) 1,1-Dichloroethane	4.98	63	168702	20.371	ug/l	98
25) 2-Butanone	6.07	43	112592	94.248	ug/l	98
26) 2,2-Dichloropropane	6.02	77	139575	19.319	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	106017	18.902	ug/l	93
28) Bromochloromethane	6.44	49	63873	20.158	ug/l	96
29) Tetrahydrofuran	6.46	42	57003	96.840	ug/l	95
30) Chloroform	6.66	83	185605	19.732	ug/l	96
31) Cyclohexane	6.96	56	111512	18.141	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	157720	19.271	ug/l	96
36) 1,1-Dichloropropene	7.15	75	128079	20.227	ug/l	96
37) Ethyl Acetate	6.17	43	56935	21.100	ug/l #	94
38) Carbon Tetrachloride	7.11	117	161277	20.100	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	134852	21.585	ug/l	95
40) Benzene	7.46	78	317810	20.273	ug/l	99
41) Methacrylonitrile	6.44	41	69432	22.053	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	113118	21.252	ug/l	97
43) Isopropyl Acetate	9.24	43	79226	20.095	ug/l	94
44) Trichloroethene	8.54	130	126784	20.861	ug/l	98
45) 1,2-Dichloropropane	8.94	63	78415	19.718	ug/l	98
46) Dibromomethane	9.07	93	59205	20.690	ug/l	91
47) Bromodichloromethane	9.37	83	131029	19.379	ug/l	97
48) Methyl methacrylate	9.12	41	45500	20.227	ug/l	97
49) 1,4-Dioxane	9.09	88	11412	470.554	ug/l	96
51) 4-Methyl-2-Pentanone	10.31	43	261801	108.579	ug/l	99
52) Toluene	10.51	92	197100	19.719	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	128607	22.660	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	137840	19.969	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	72827	21.703	ug/l	96
56) Ethyl methacrylate	11.04	69	80538	21.670	ug/l	97
57) 1,3-Dichloropropane	11.41	76	104189	20.103	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	199642	115.539	ug/l	99
59) 2-Hexanone	11.54	43	180284	99.675	ug/l	96
60) Dibromochloromethane	11.68	129	120169	21.643	ug/l	98
61) 1,2-Dibromoethane	11.80	107	82380	20.695	ug/l	98
64) Tetrachloroethene	11.26	164	96305	19.841	ug/l	98
65) Chlorobenzene	12.40	112	257551	20.031	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	114011	20.904	ug/l	100
67) Ethyl Benzene	12.52	91	422022	20.109	ug/l	98
68) m/p-Xylenes	12.67	106	312600	41.213	ug/l	96
69) o-Xylene	13.05	106	146200	21.066	ug/l	98
70) Styrene	13.07	104	254194	21.212	ug/l	99
71) Bromoform	13.24	173	69752	22.433	ug/l #	98
73) Isopropylbenzene	13.41	105	387758	18.012	ug/l	99
74) N-amyl acetate	13.27	43	112395	20.273	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	82983	19.671	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	85089	20.763	ug/l	99
77) Bromobenzene	13.67	156	117735	19.065	ug/l	95
78) n-propylbenzene	13.77	91	481917	19.555	ug/l	99
79) 2-Chlorotoluene	13.84	91	276867	18.548	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	355860	20.732	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	23707	19.090	ug/l	95
82) 4-Chlorotoluene	13.95	91	338818	20.611	ug/l	96
83) tert-Butylbenzene	14.19	119	391037	19.665	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	360340	21.985	ug/l	99
85) sec-Butylbenzene	14.37	105	413244	19.234	ug/l	97
86) p-Isopropyltoluene	14.49	119	368927	19.186	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	216891	20.056	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	206958	20.463	ug/l	98
89) n-Butylbenzene	14.80	91	356115	20.628	ug/l	96
90) Hexachloroethane	15.01	117	108192	20.808	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	194662	21.821	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12264	21.276	ug/l	97

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QLast Update : Tue Apr 23 14:52:55 2019
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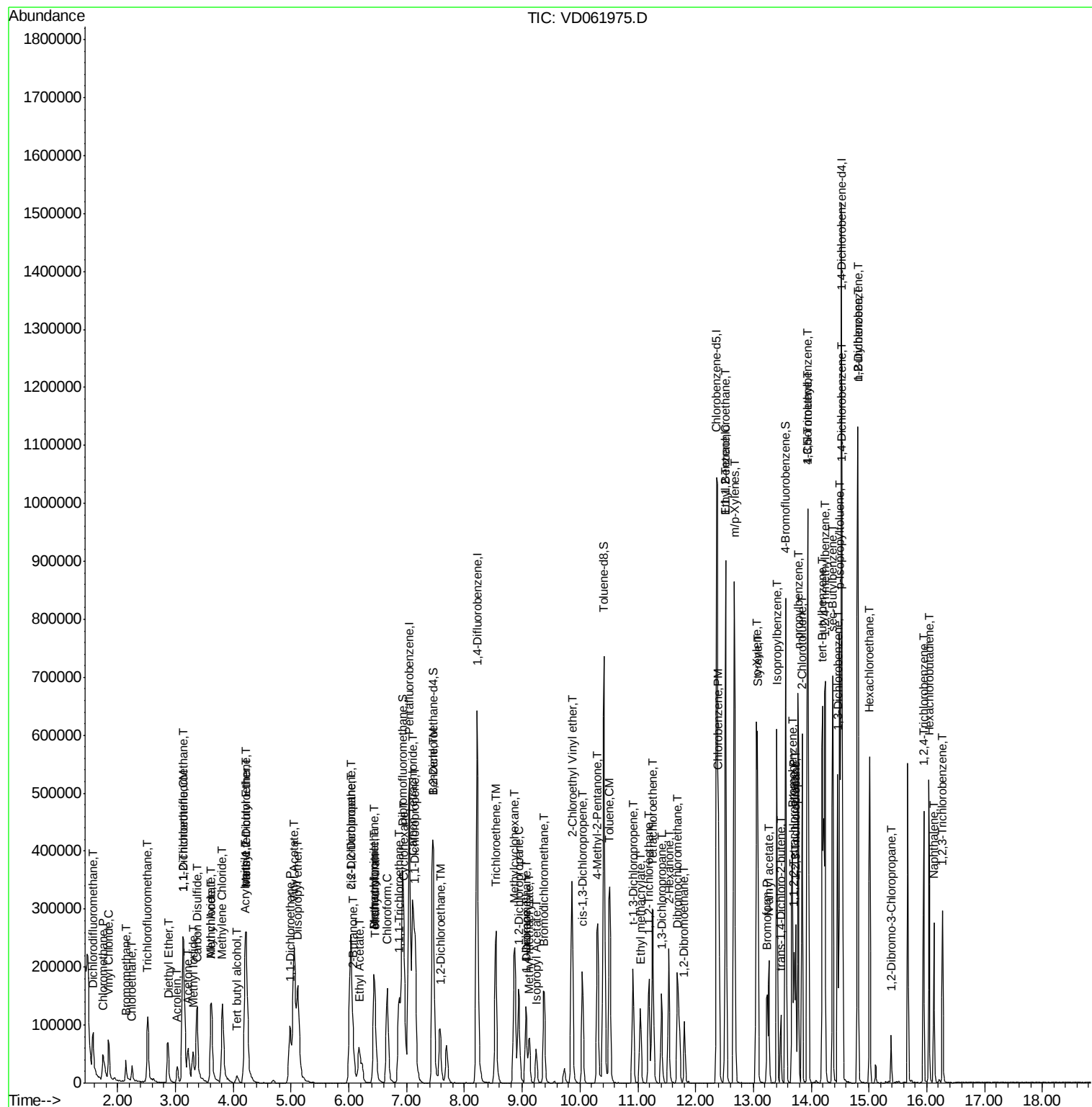
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	116292	24.161	ug/l	97
94) Hexachlorobutadiene	16.04	225	83341	23.398	ug/l	98
95) Naphthalene	16.12	128	164140	21.121	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	72835	26.670	ug/l	99

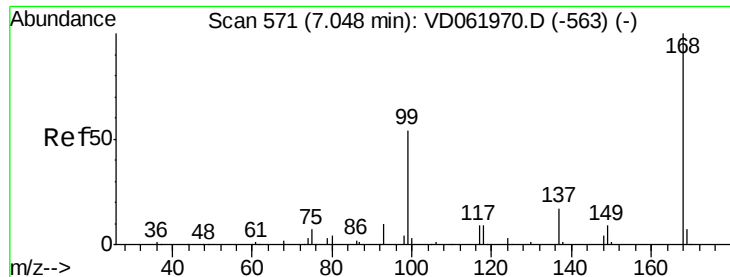
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

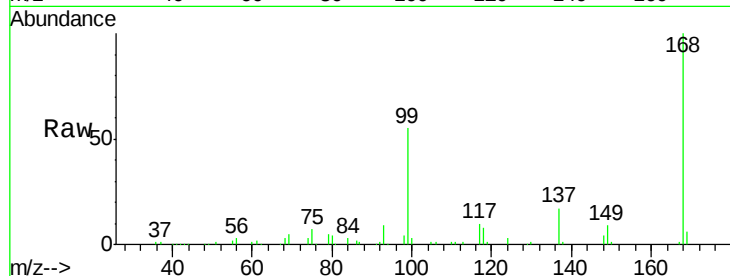
VD0423SBS01

Tot Ion:168 Resp: 527267

Ion Ratio Lower Upper

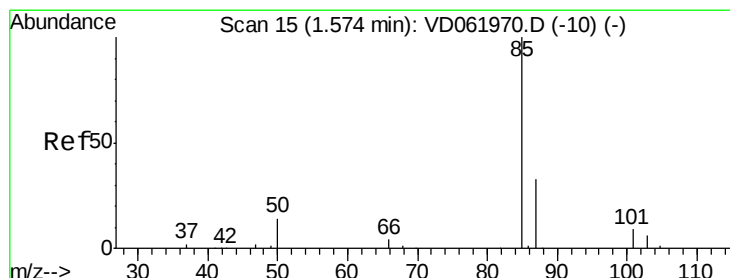
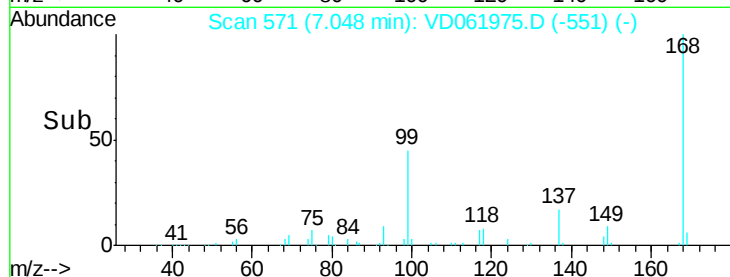
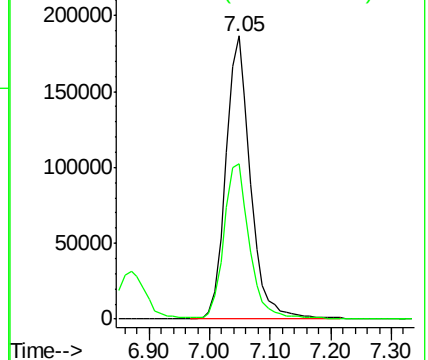
168 100

99 54.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.853 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061975.D

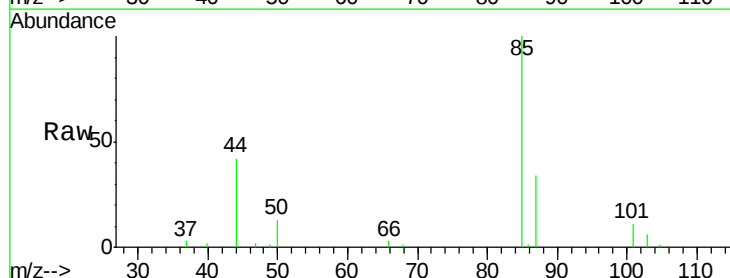
Acq: 23 Apr 2019 17:39

Tgt Ion: 85 Resp: 88761

Ion Ratio Lower Upper

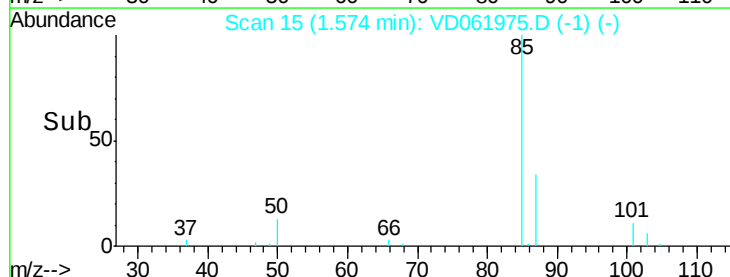
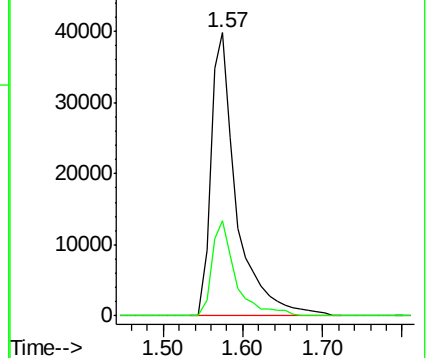
85 100

87 33.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.952 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

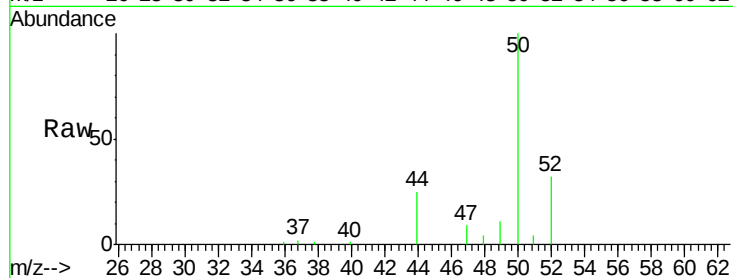
VD0423SBS01

Tot Ion: 50 Resp: 87841

Ion Ratio Lower Upper

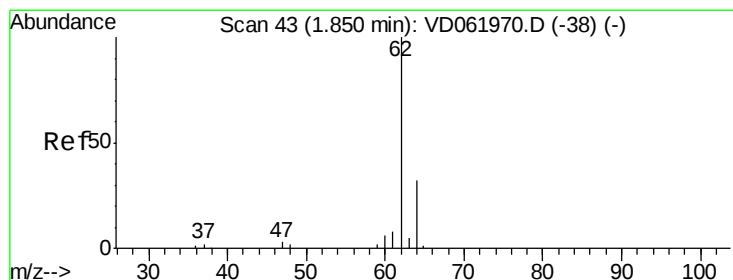
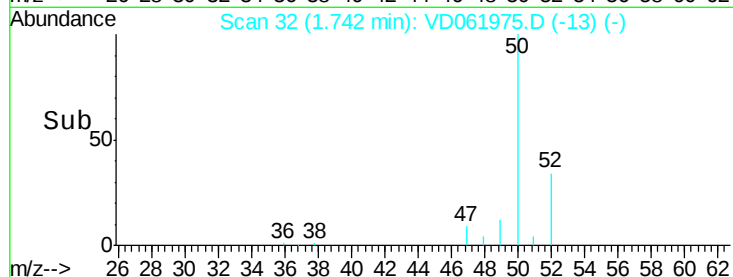
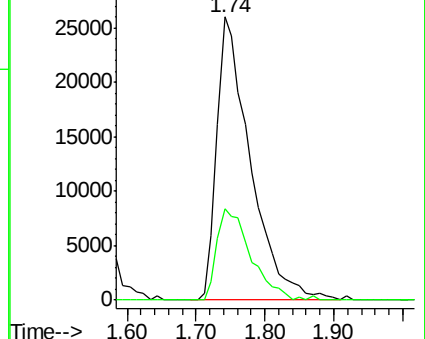
50 100

52 32.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.937 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: VD061975.D

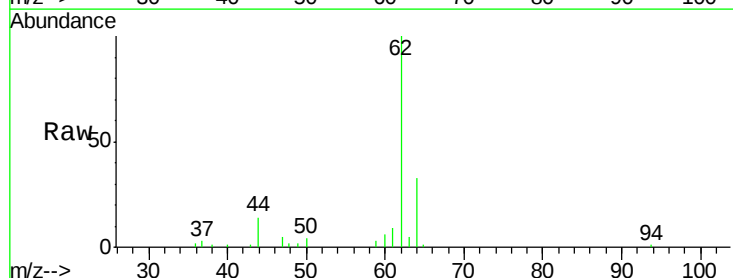
Acq: 23 Apr 2019 17:39

Tgt Ion: 62 Resp: 75935

Ion Ratio Lower Upper

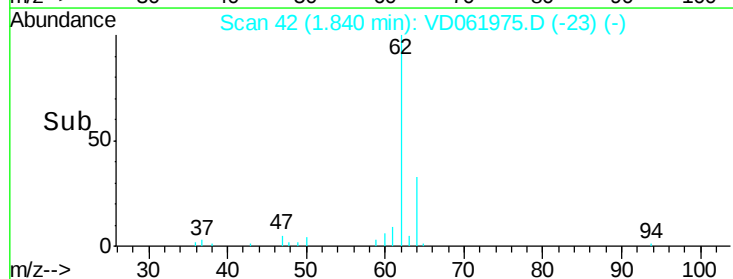
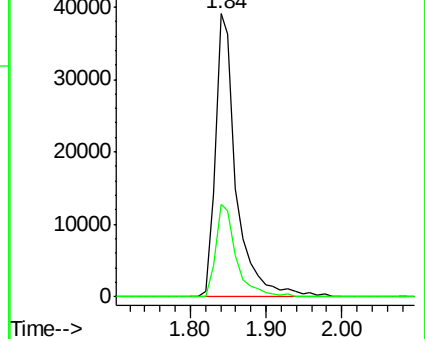
62 100

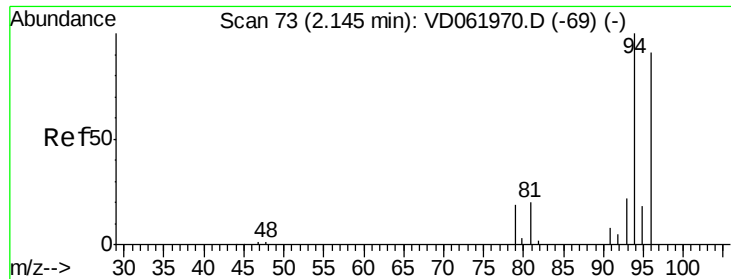
64 32.8 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

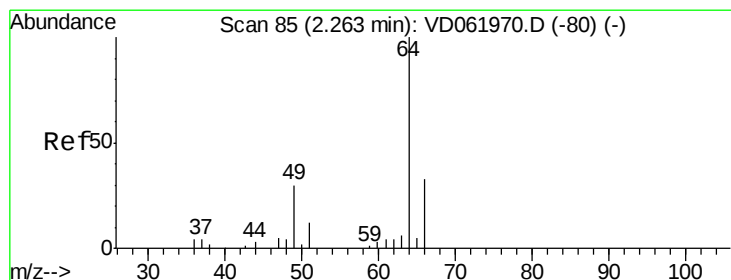
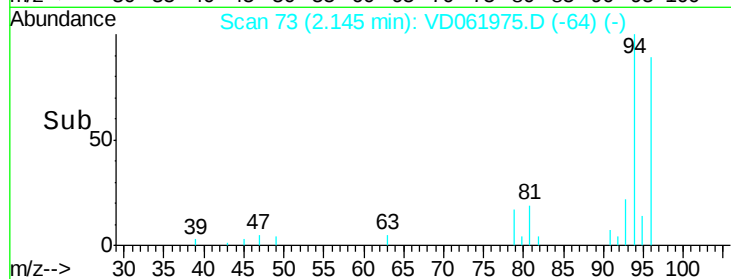
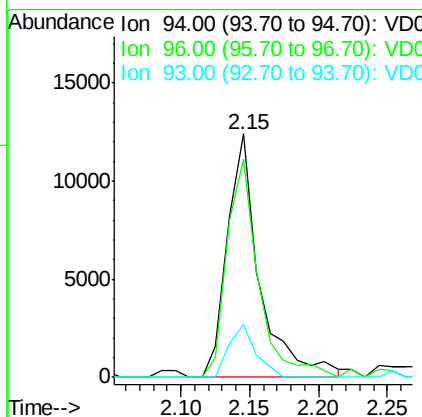
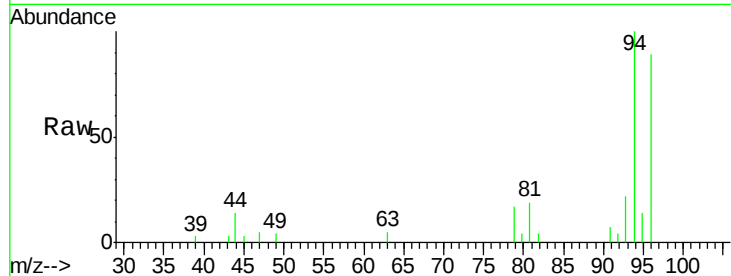




#5
Bromomethane
Concen: 18.559 ug/l
RT: 2.15 min Scan# 73
Delta R.T. -0.01 min
Lab File: VD061975.D
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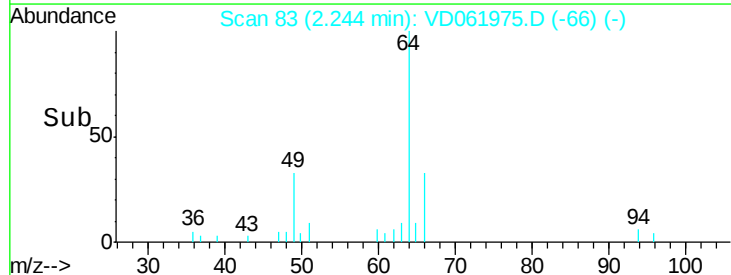
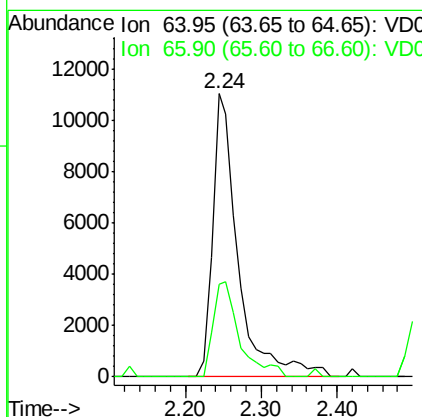
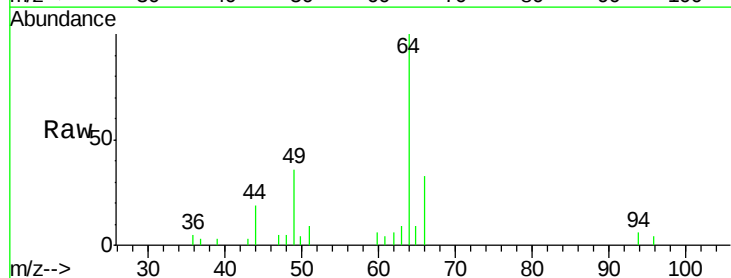
Instrument :
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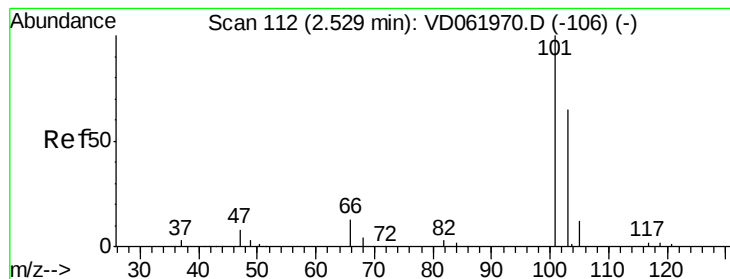
Tot Ion: 94 Resp: 20263
Ion Ratio Lower Upper
94 100
96 89.4 76.6 115.0
93 21.5 18.5 27.7



#6
Chloroethane
Concen: 19.924 ug/l
RT: 2.24 min Scan# 83
Delta R.T. -0.03 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion: 64 Resp: 26121
Ion Ratio Lower Upper
64 100
66 32.6 25.6 38.4



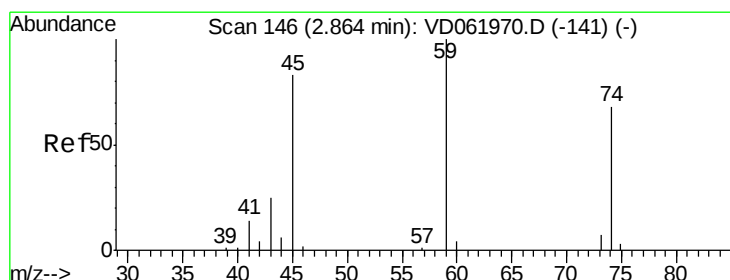
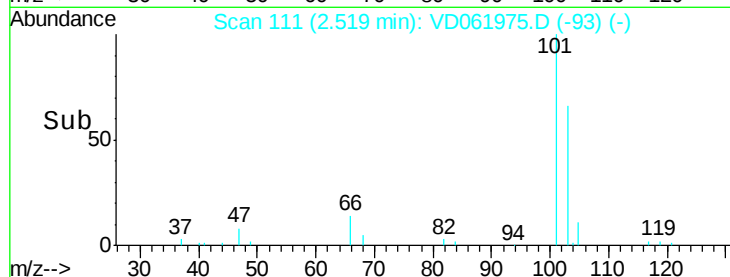
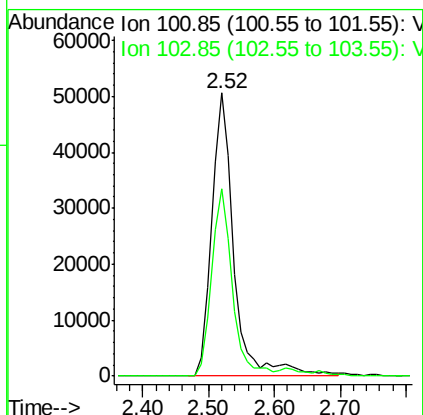
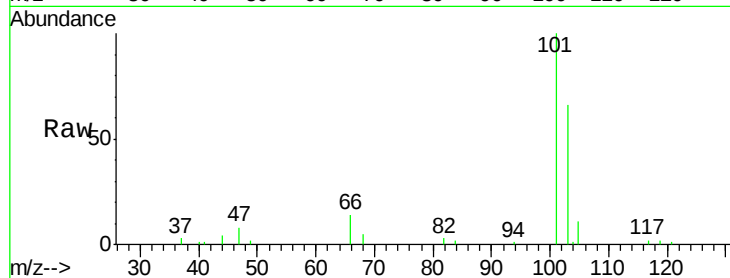


#7

Trichlorofluoromethane
 Concen: 21.300 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Instrument :
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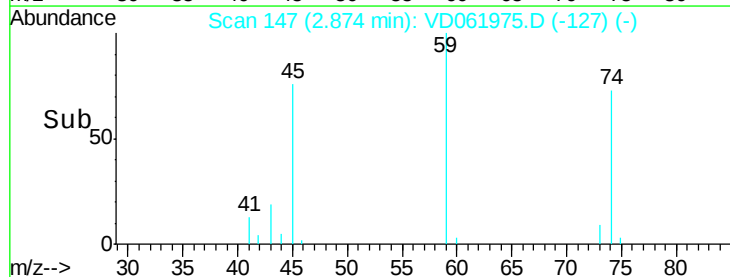
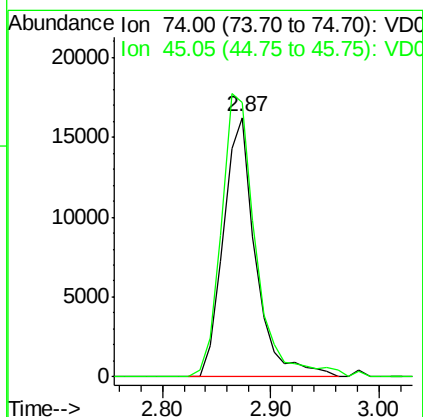
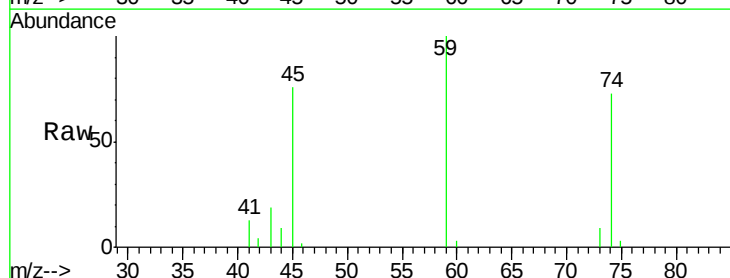
Tot Ion:101 Resp: 116803
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.6 80.4

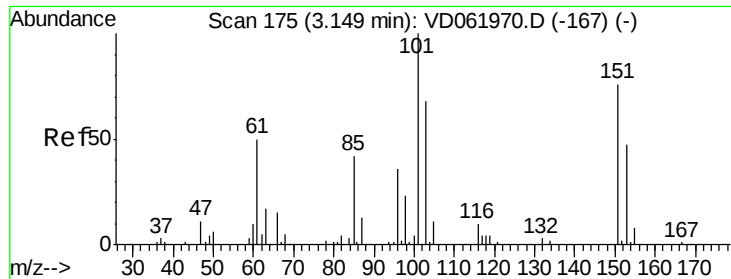


#8

Diethyl Ether
 Concen: 22.892 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Tgt Ion: 74 Resp: 33645
 Ion Ratio Lower Upper
 74 100
 45 105.5 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.035 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

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ClientSampleId :

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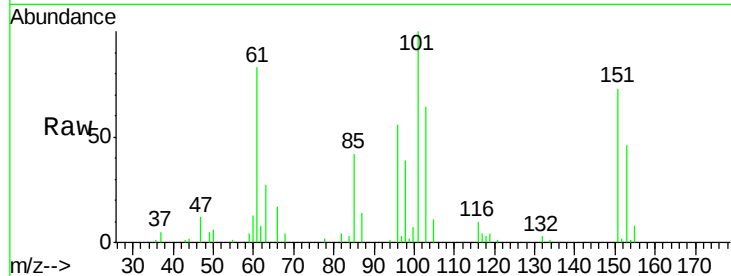
Tot Ion:101 Resp: 106258

Ion Ratio Lower Upper

101 100

85 41.8 32.4 48.6

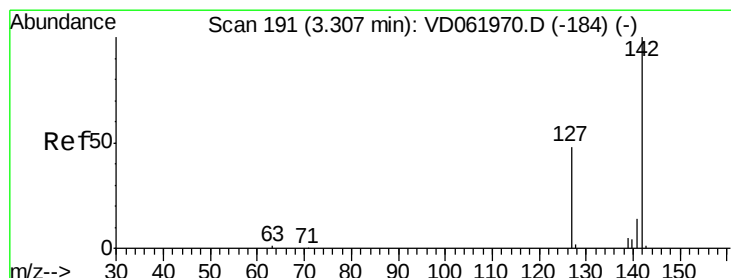
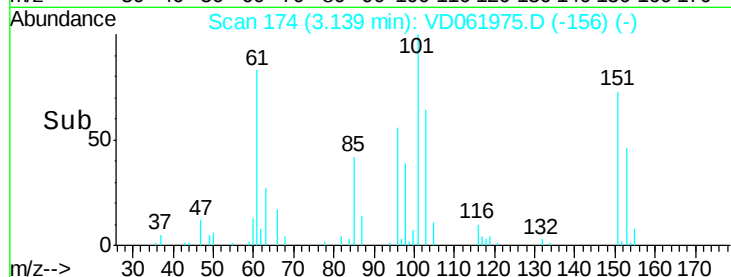
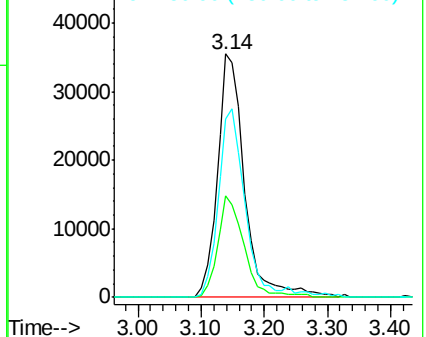
151 73.3 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.595 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

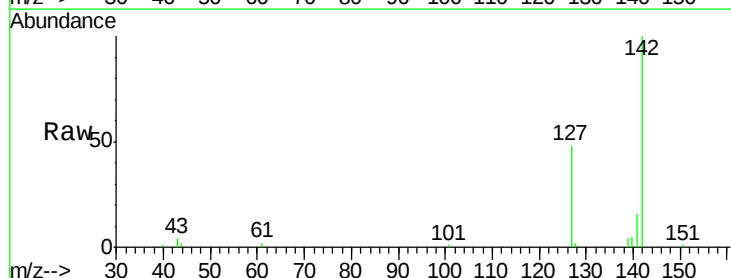
Tgt Ion:142 Resp: 105042

Ion Ratio Lower Upper

142 100

127 47.9 38.8 58.2

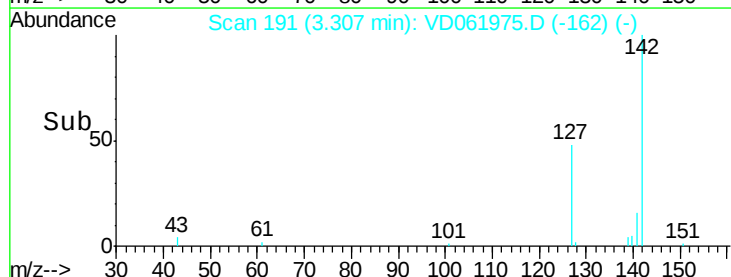
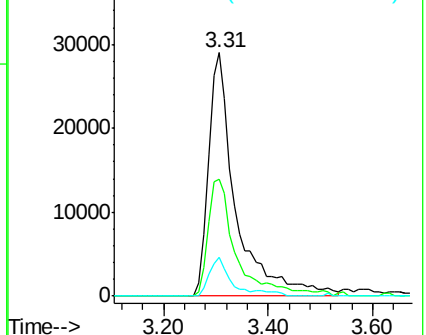
141 15.7 11.4 17.0

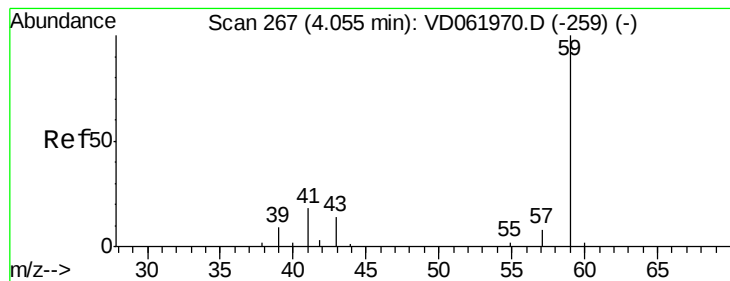


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



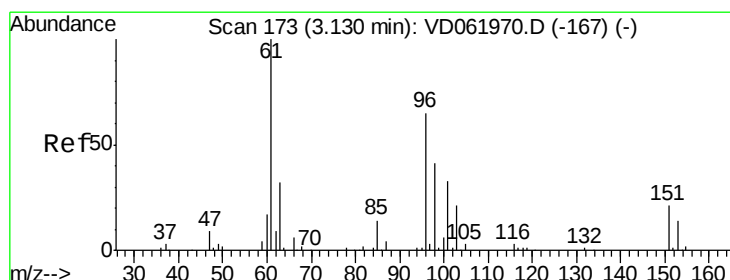
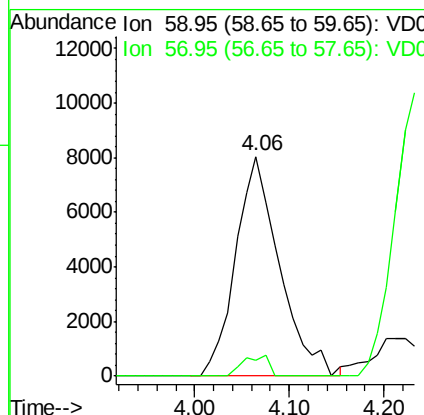
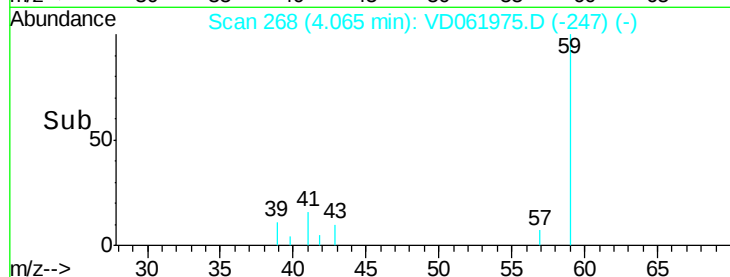
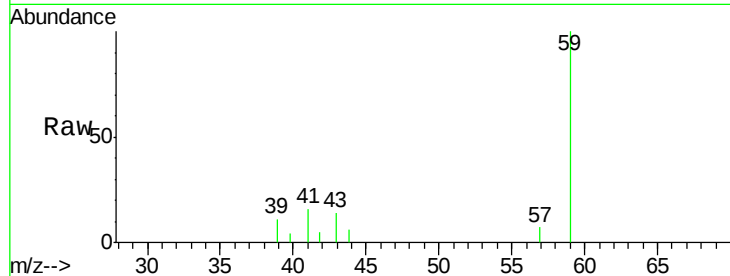


#11

Tert butyl alcohol
 Concen: 111.151 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.01 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

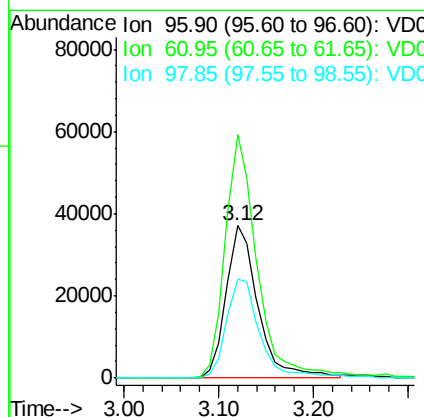
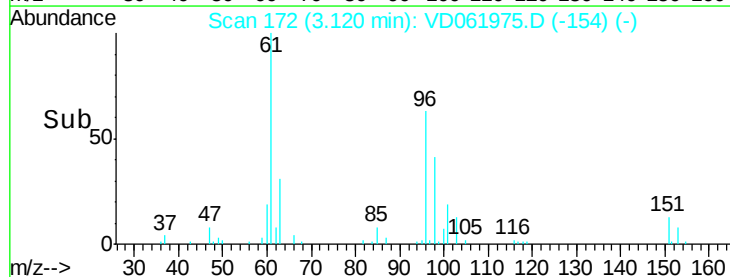
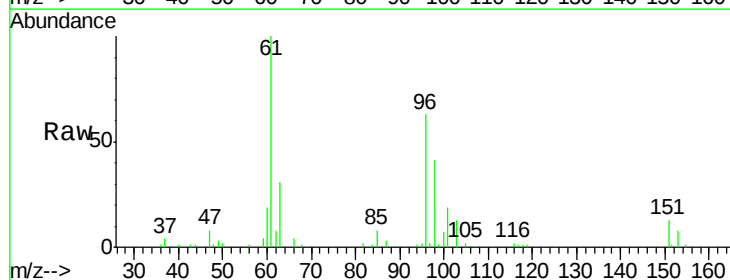
Tot Ion: 59 Resp: 25916
 Ion Ratio Lower Upper
 59 100
 57 7.3 6.9 10.3

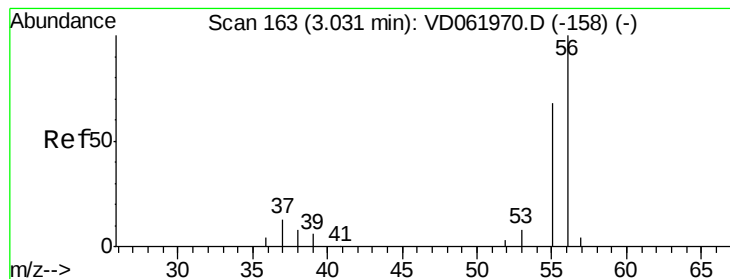


#12

1,1-Dichloroethene
 Concen: 20.246 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.02 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Tgt Ion: 96 Resp: 87013
 Ion Ratio Lower Upper
 96 100
 61 159.9 129.8 194.8
 98 64.9 51.2 76.8





#13

Acrolein

Concen: 114.824 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

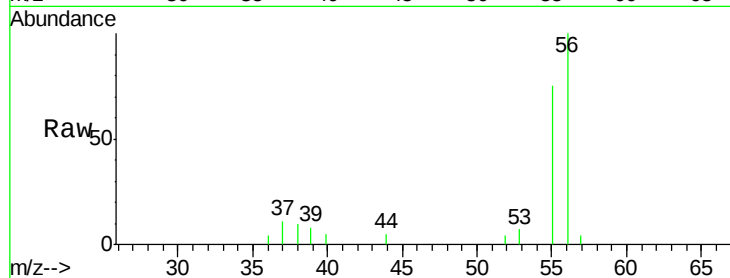
VD0423SBS01

Tot Ion: 56 Resp: 27778

Ion Ratio Lower Upper

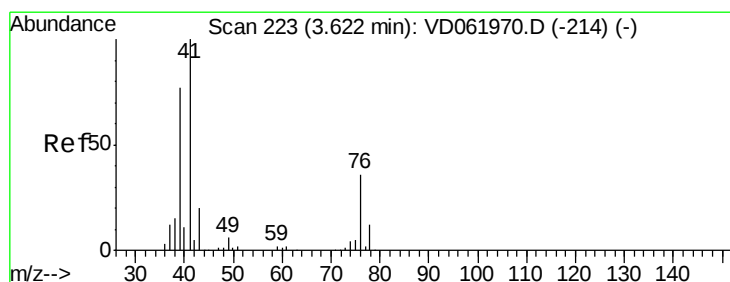
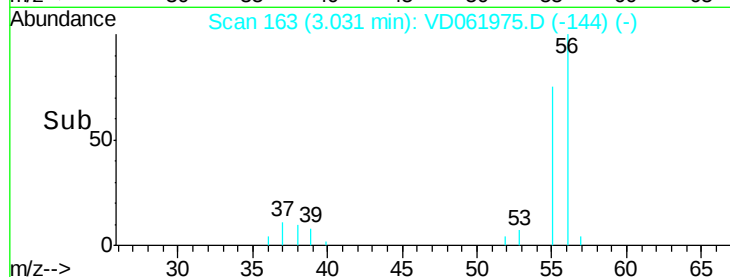
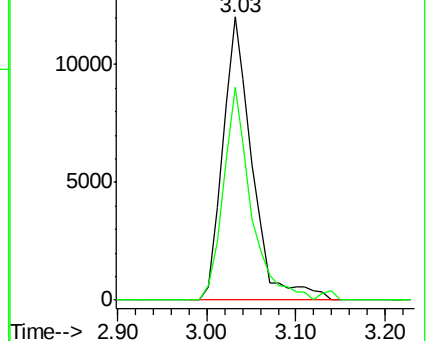
56 100

55 75.2 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.147 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

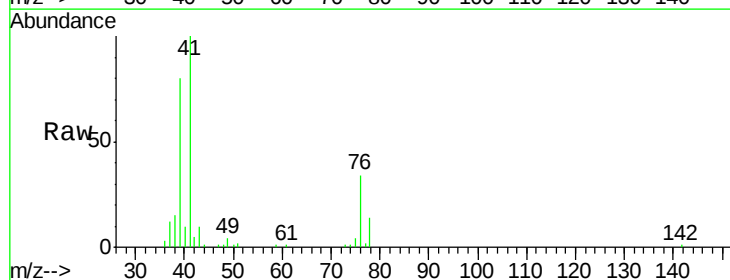
Tgt Ion: 41 Resp: 118235

Ion Ratio Lower Upper

41 100

39 79.7 60.5 90.7

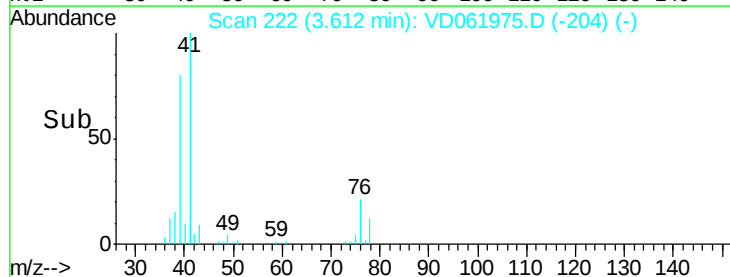
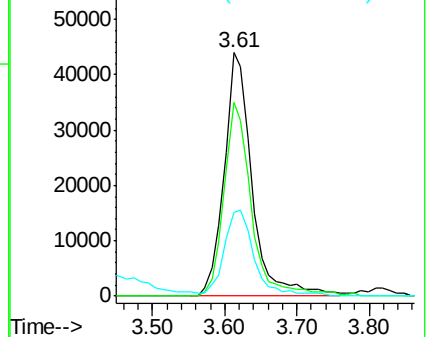
76 34.3 31.8 47.8

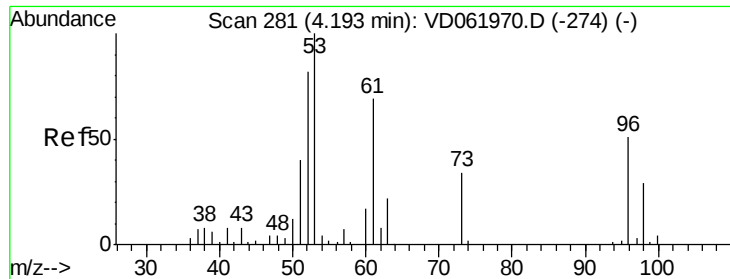


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 107.265 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

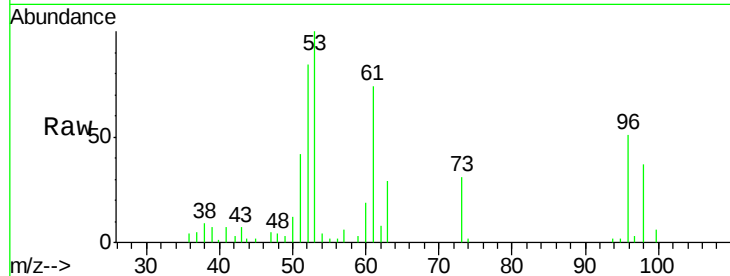
Tot Ion: 53 Resp: 77444

Ion Ratio Lower Upper

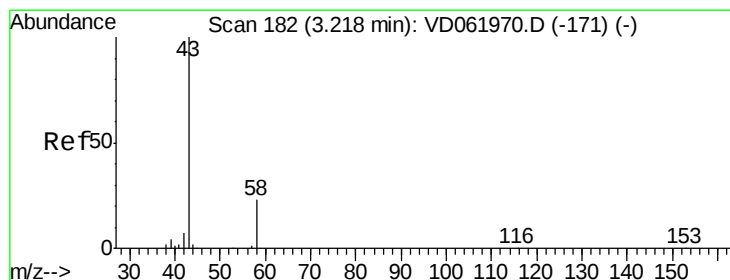
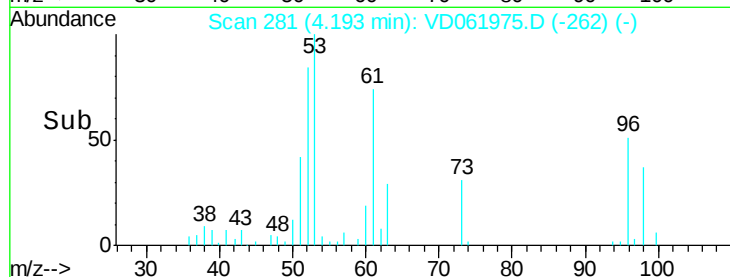
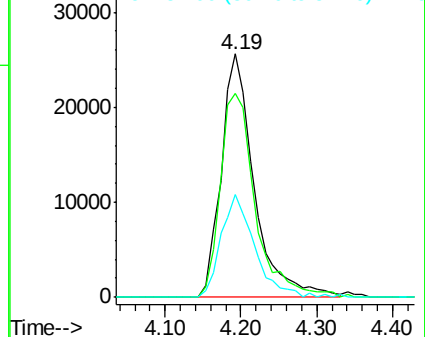
53 100

52 83.5 65.0 97.4

51 42.3 32.6 48.8



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



#16

Acetone

Concen: 99.362 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061975.D

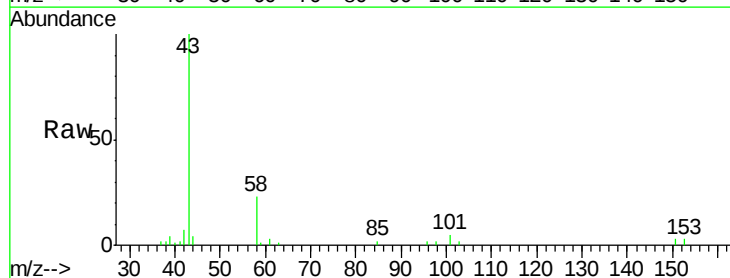
Acq: 23 Apr 2019 17:39

Tgt Ion: 43 Resp: 97904

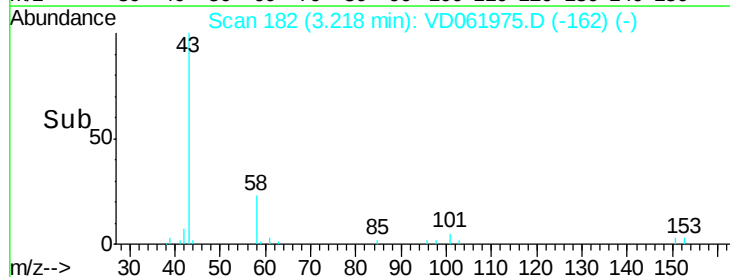
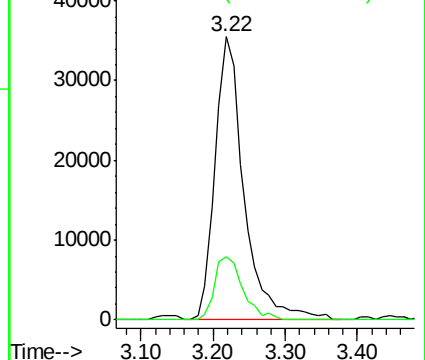
Ion Ratio Lower Upper

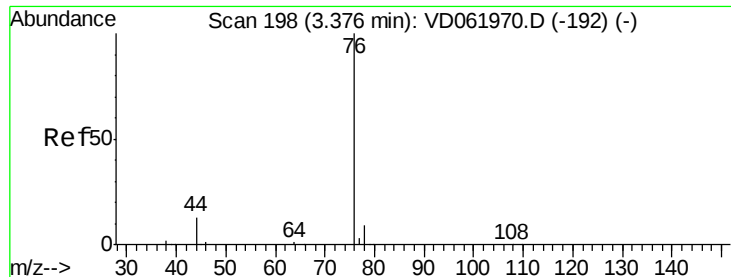
43 100

58 22.5 19.9 29.9



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

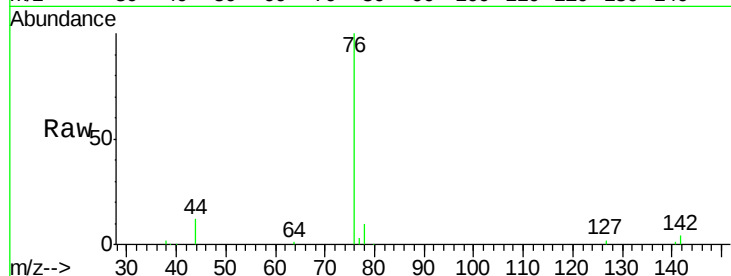




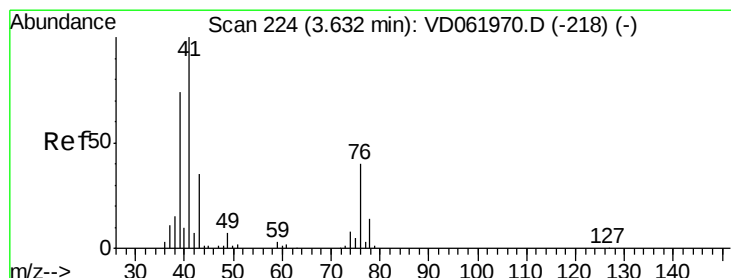
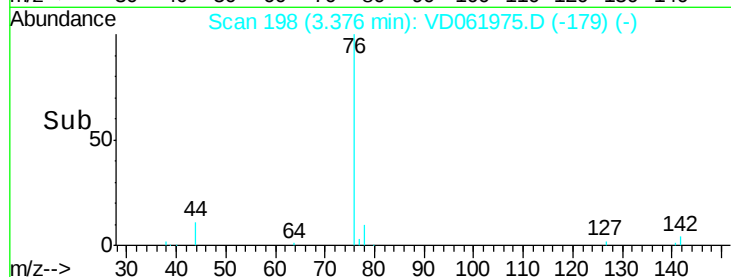
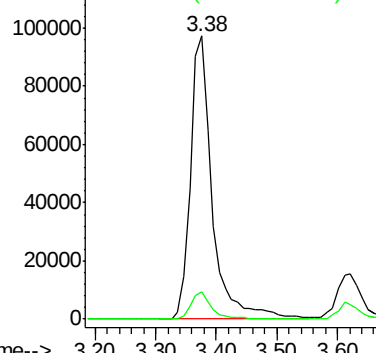
#17
Carbon Disulfide
Concen: 19.526 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

Tot Ion: 76 Resp: 242496
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8

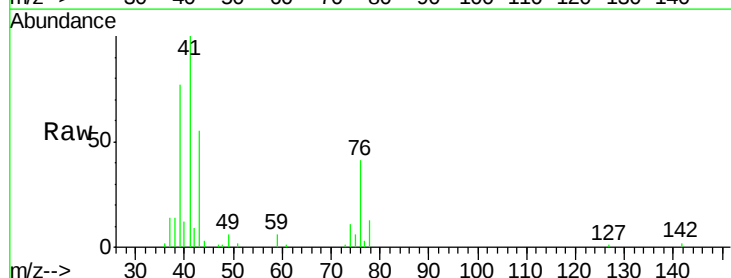


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

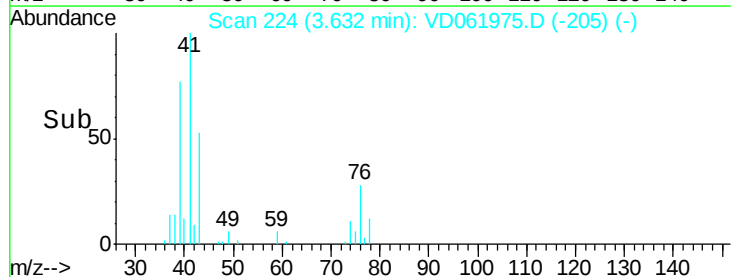
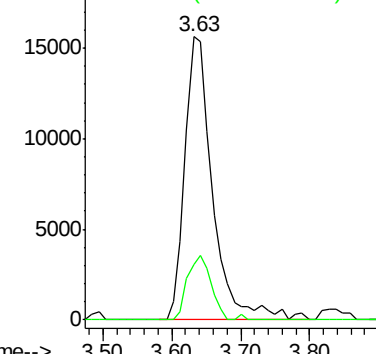


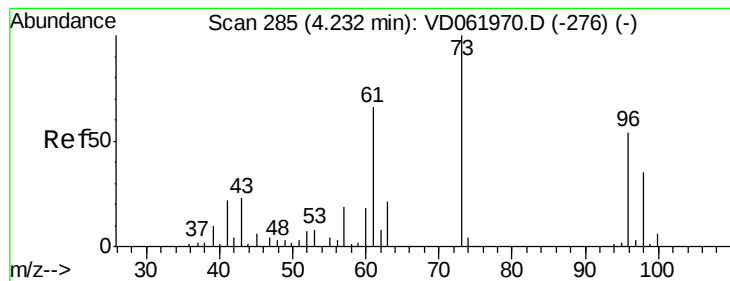
#18
Methyl Acetate
Concen: 23.403 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion: 43 Resp: 43876
Ion Ratio Lower Upper
43 100
74 19.7 18.0 27.0



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



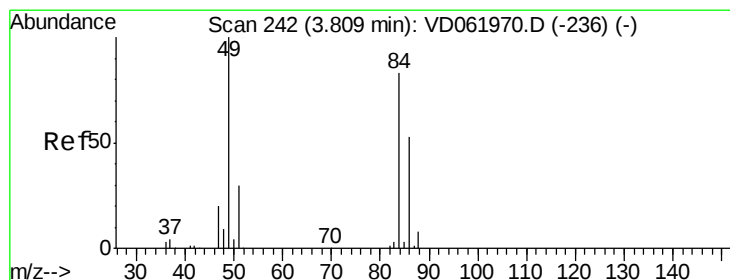
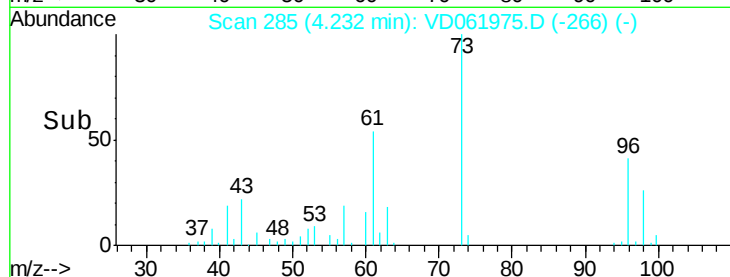
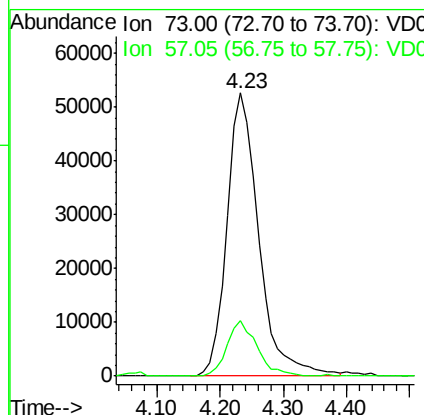
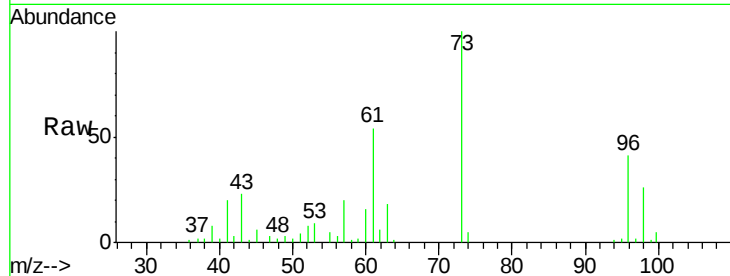


#19

Methyl tert-butyl Ether
 Concen: 21.525 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

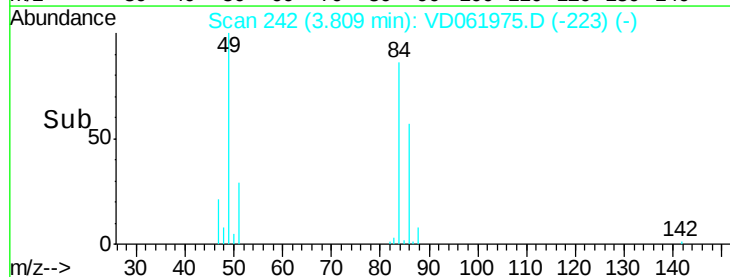
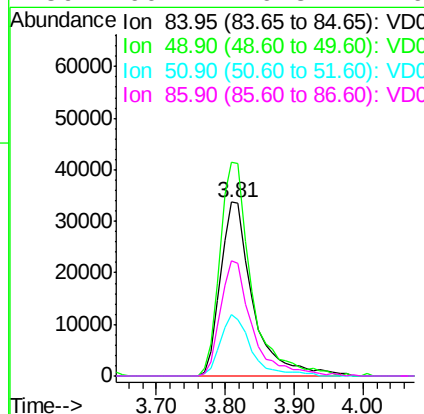
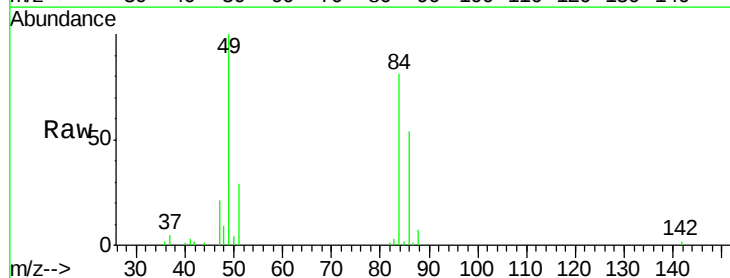
Tot Ion: 73 Resp: 183555
 Ion Ratio Lower Upper
 73 100
 57 19.7 16.3 24.5

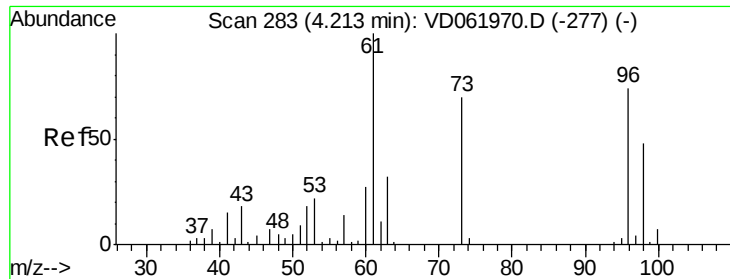


#20

Methylene Chloride
 Concen: 21.106 ug/l
 RT: 3.81 min Scan# 242
 Delta R.T. -0.01 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Tgt Ion: 84 Resp: 110080
 Ion Ratio Lower Upper
 84 100
 49 123.0 94.0 141.0
 51 35.7 29.0 43.4
 86 66.4 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.604 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

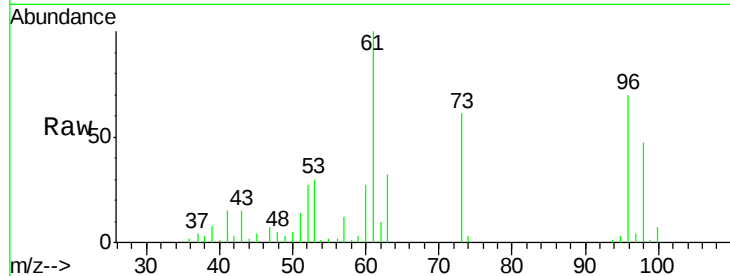
Tot Ion: 96 Resp: 101583

Ion Ratio Lower Upper

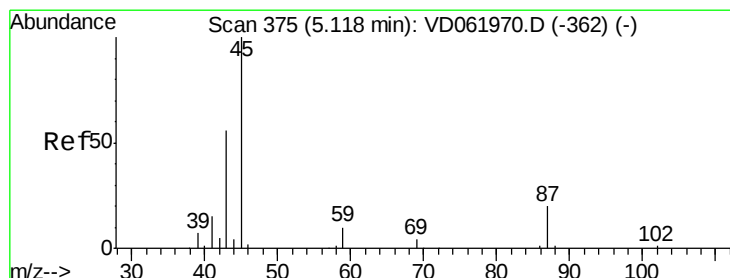
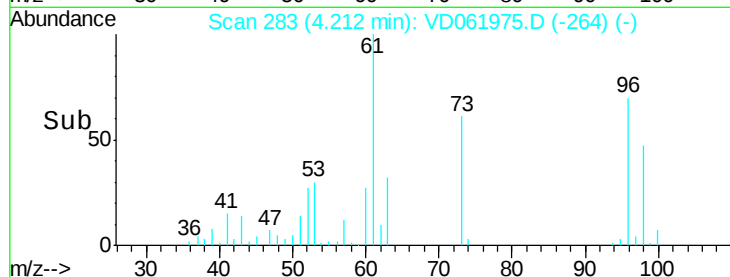
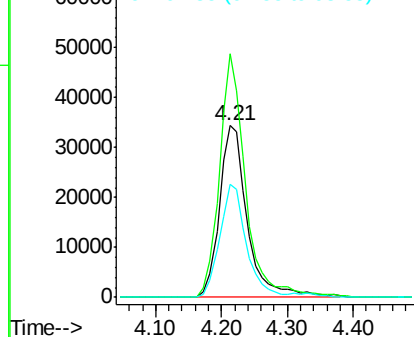
96 100

61 142.1 104.4 156.6

98 66.2 51.8 77.8



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



#22

Diisopropyl ether

Concen: 19.886 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Tgt Ion: 45 Resp: 272467

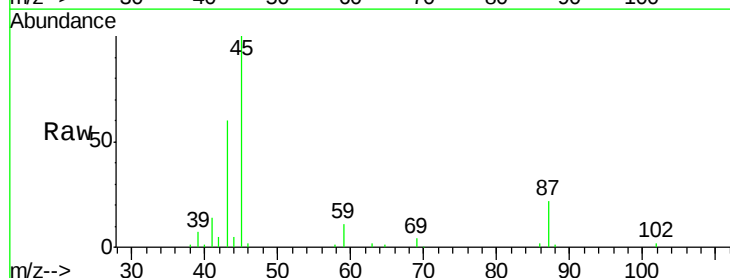
Ion Ratio Lower Upper

45 100

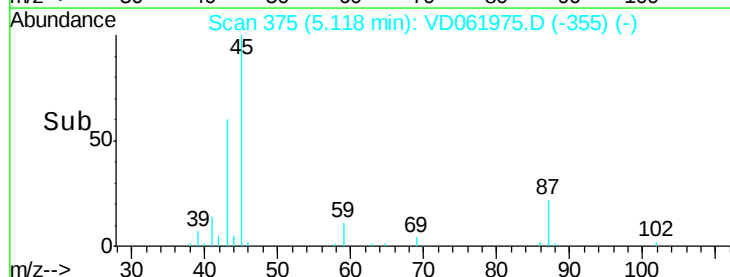
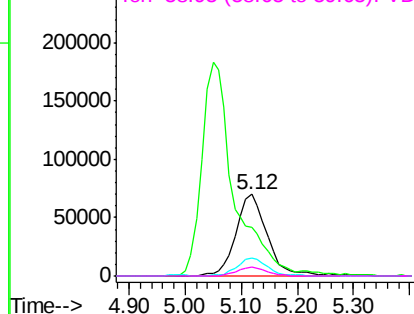
43 59.6 46.2 69.2

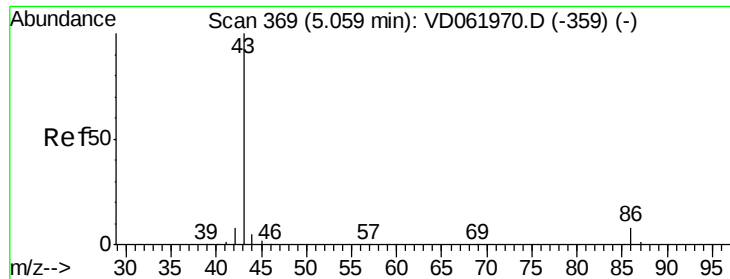
87 21.8 15.9 23.9

59 11.1 7.9 11.9



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: 103.470 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

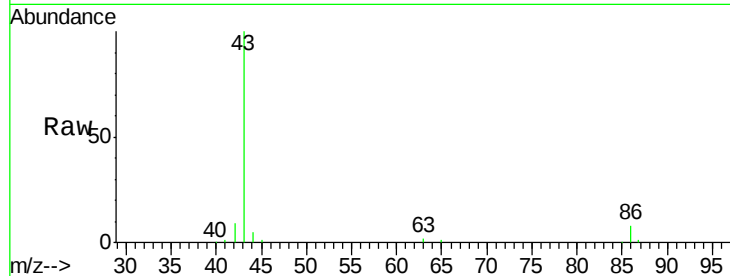
VD0423SBS01

Tot Ion: 43 Resp: 738294

Ion Ratio Lower Upper

43 100

86 8.4 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

200000

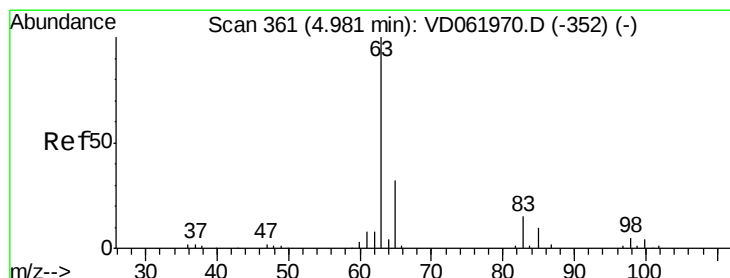
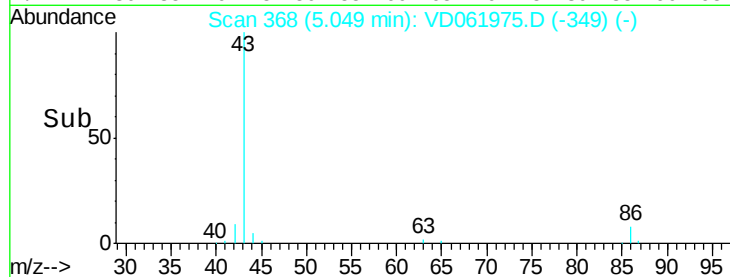
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.371 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

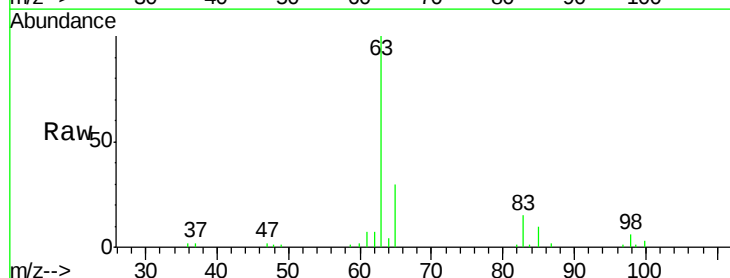
Tgt Ion: 63 Resp: 168702

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 3.3 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.98

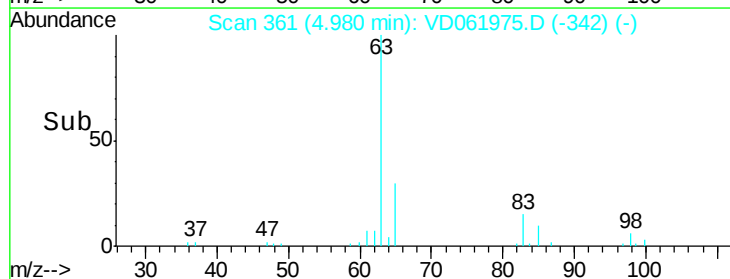
60000

40000

20000

0

Time-->

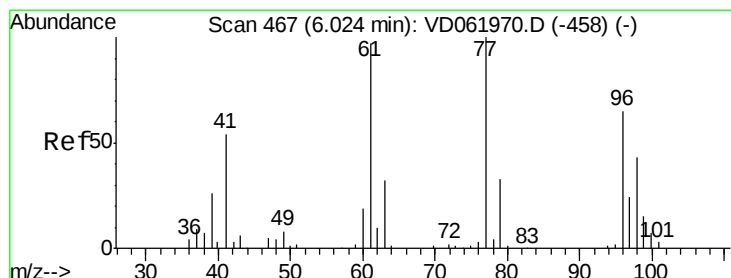
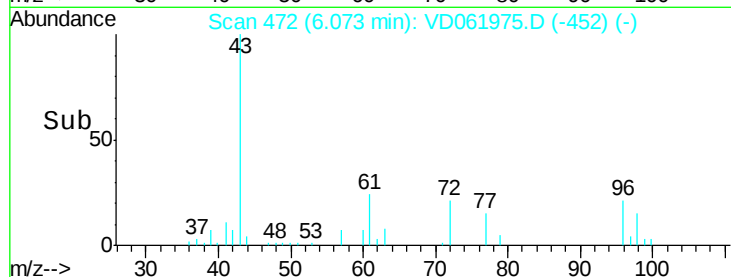
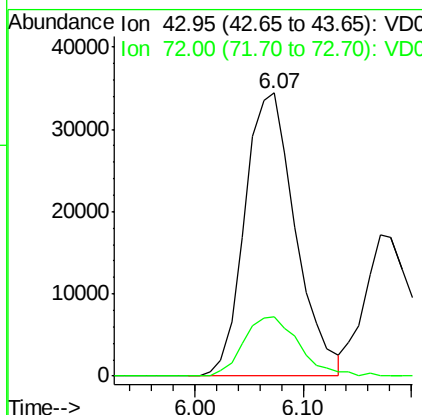
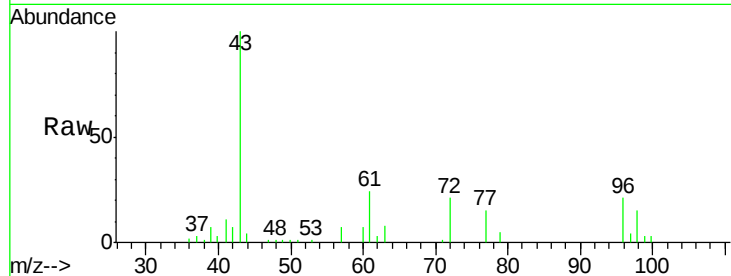




#25
2-Butanone
Concen: 94.248 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

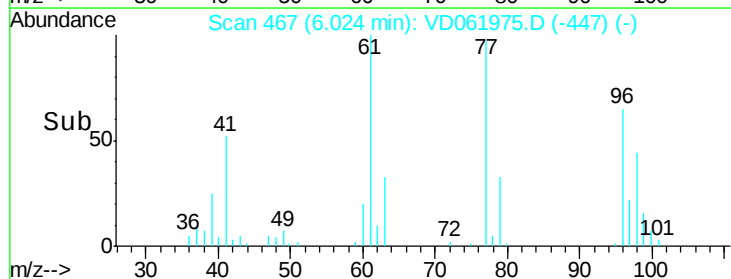
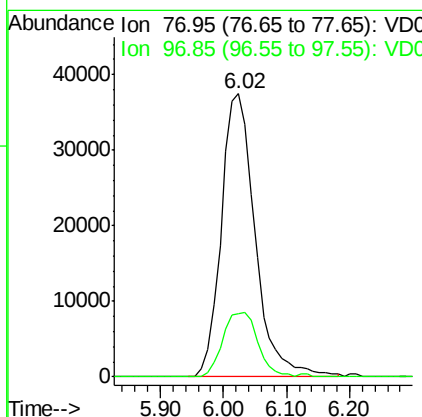
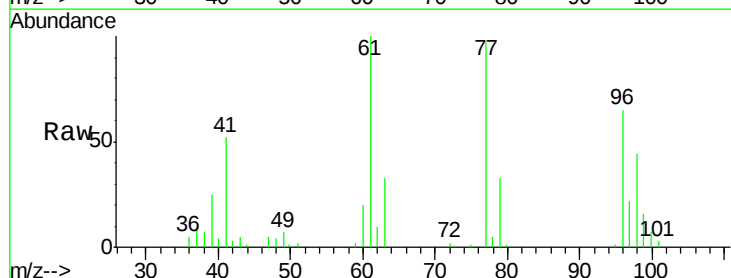
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

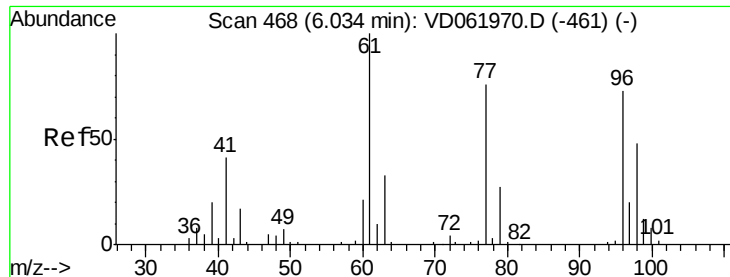
Tot Ion: 43 Resp: 112592
Ion Ratio Lower Upper
43 100
72 21.0 16.2 24.4



#26
2,2-Dichloropropane
Concen: 19.319 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion: 77 Resp: 139575
Ion Ratio Lower Upper
77 100
97 22.3 11.9 35.9



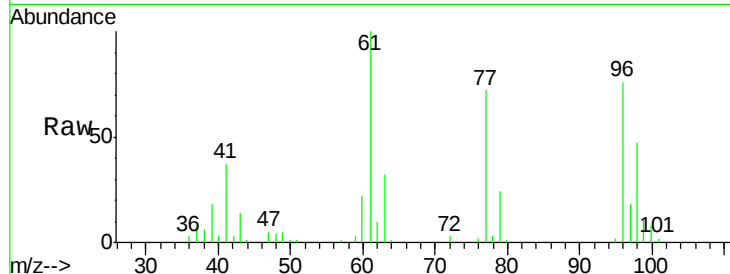


#27

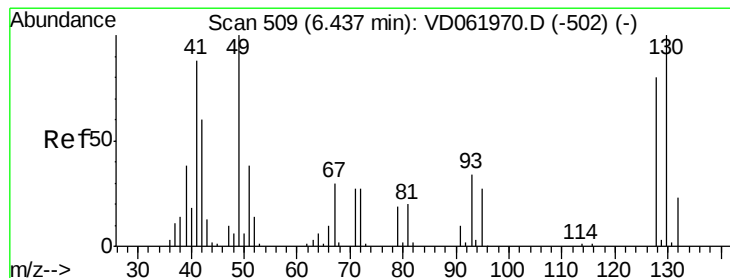
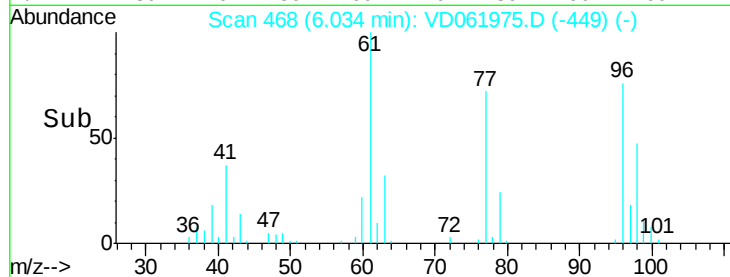
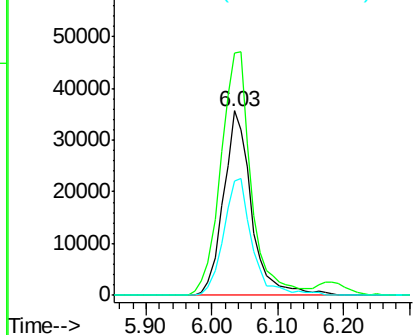
cis-1,2-Dichloroethene
 Concen: 18.902 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

Tot Ion: 96 Resp: 106017
 Ion Ratio Lower Upper
 96 100
 61 131.5 0.0 279.8
 98 62.4 0.0 136.0



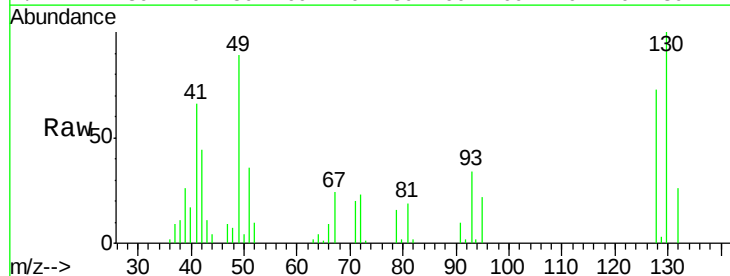
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



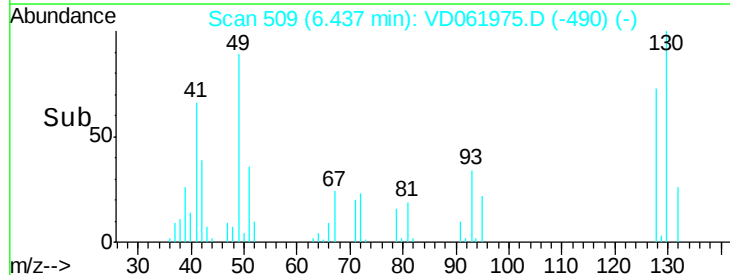
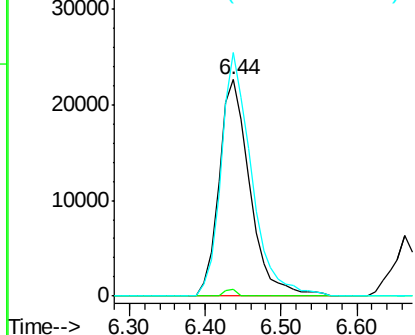
#28

Bromochloromethane
 Concen: 20.158 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Tgt Ion: 49 Resp: 63873
 Ion Ratio Lower Upper
 49 100
 129 2.9 0.0 6.6
 130 112.4 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 96.840 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

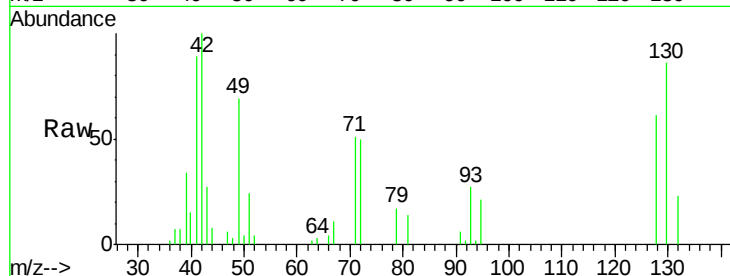
Tot Ion: 42 Resp: 57003

Ion Ratio Lower Upper

42 100

72 50.1 37.8 56.6

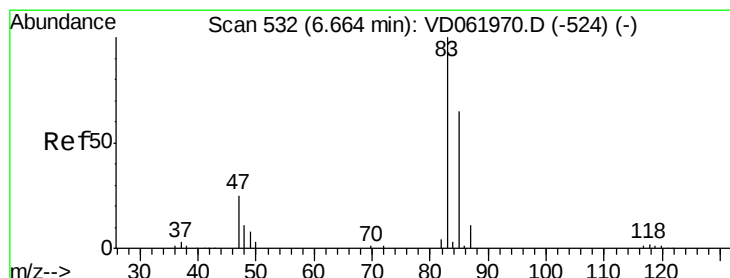
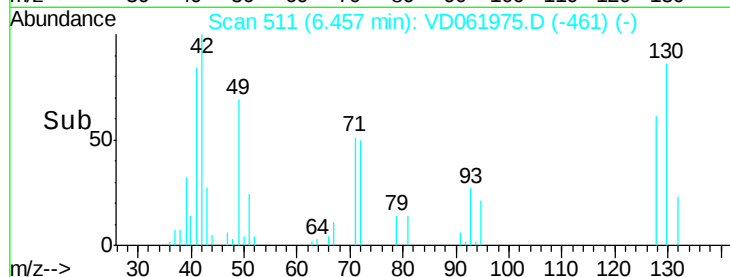
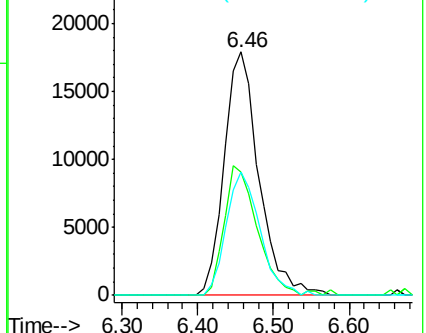
71 49.1 36.7 55.1



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: 19.732 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD061975.D

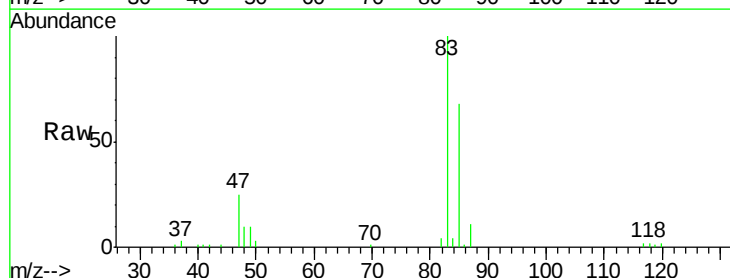
Acq: 23 Apr 2019 17:39

Tgt Ion: 83 Resp: 185605

Ion Ratio Lower Upper

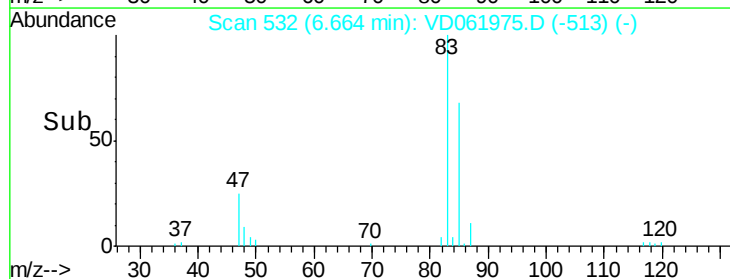
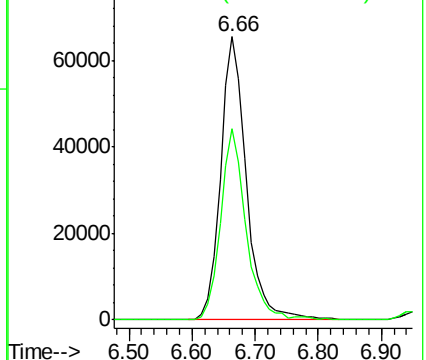
83 100

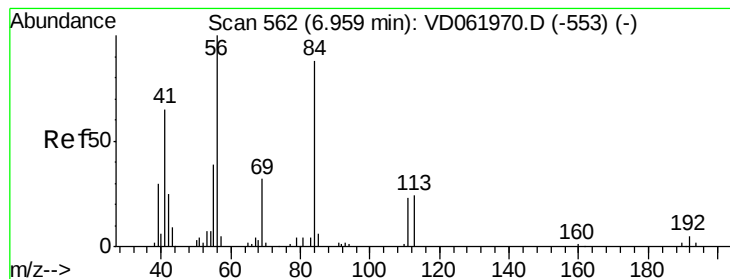
85 67.5 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 18.141 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

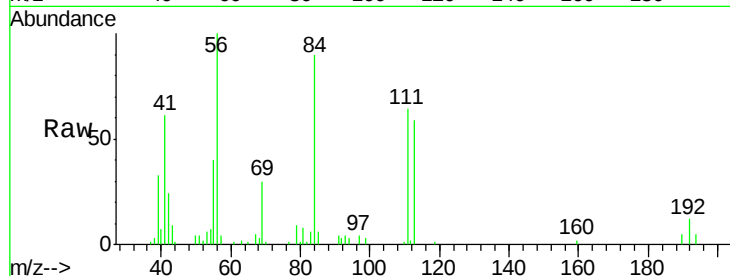
Tot Ion: 56 Resp: 111512

Ion Ratio Lower Upper

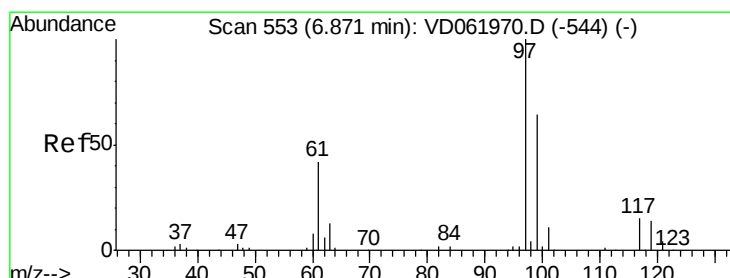
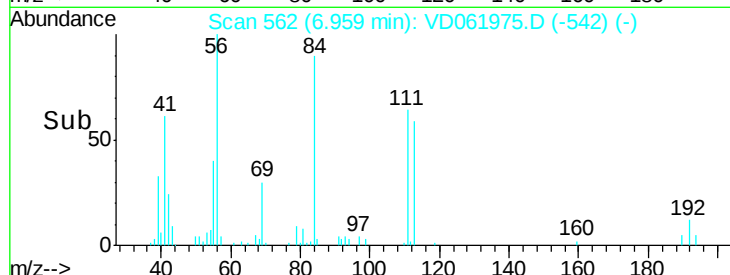
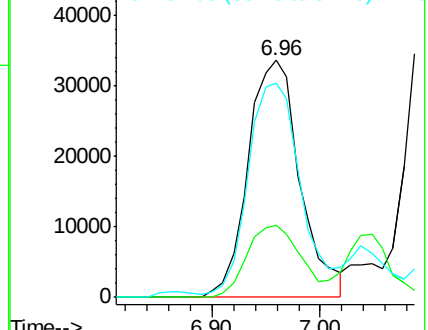
56 100

69 30.2 25.8 38.6

84 90.2 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 19.271 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

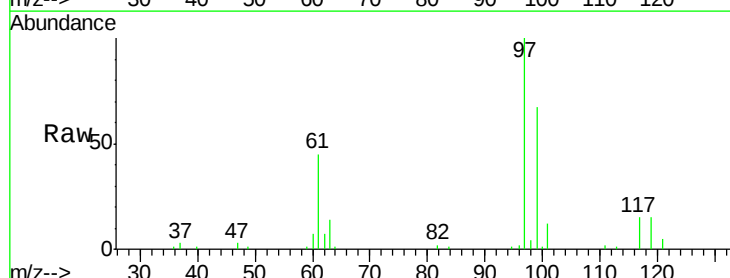
Tgt Ion: 97 Resp: 157720

Ion Ratio Lower Upper

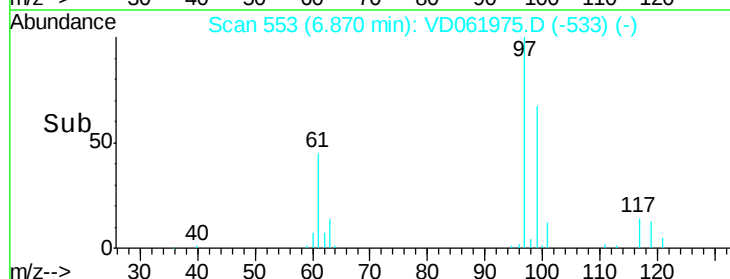
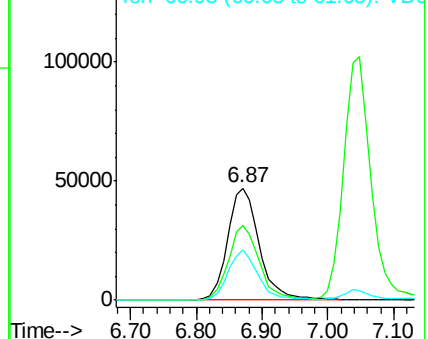
97 100

99 67.0 52.2 78.2

61 44.8 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 19.271 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

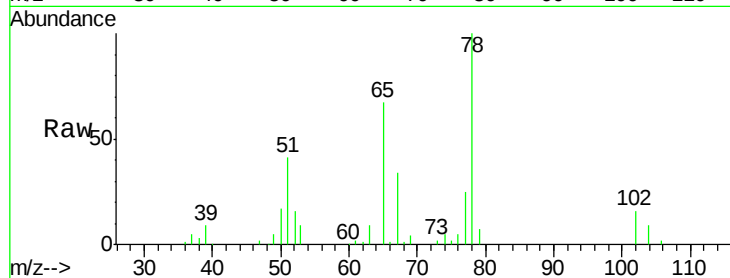
VD0423SBS01

Tot Ion: 65 Resp: 198141

Ion Ratio Lower Upper

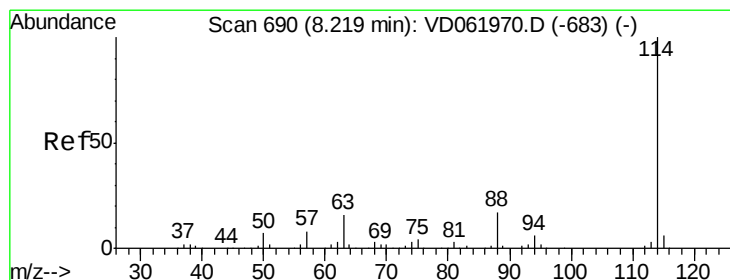
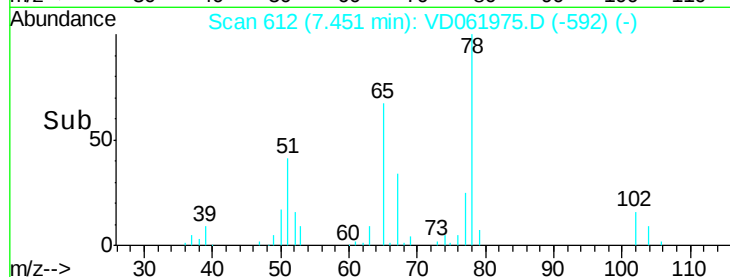
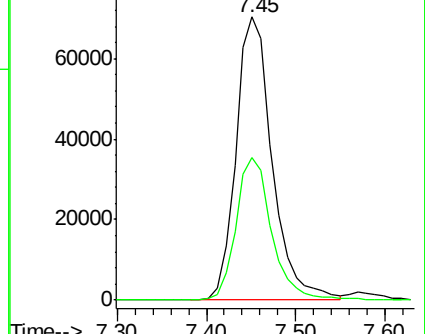
65 100

67 50.4 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

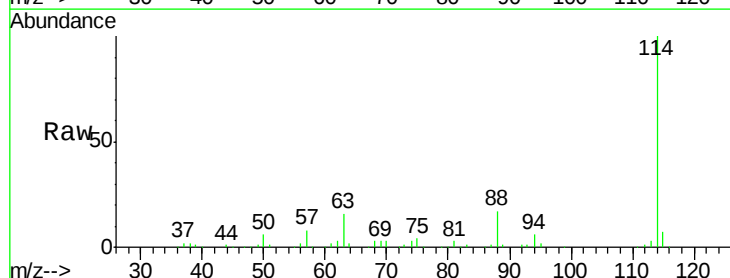
Tgt Ion: 114 Resp: 812737

Ion Ratio Lower Upper

114 100

63 16.3 0.0 32.4

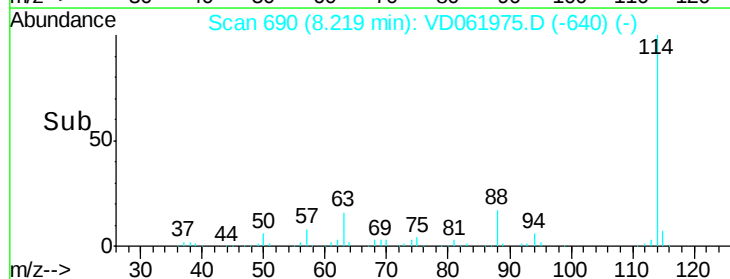
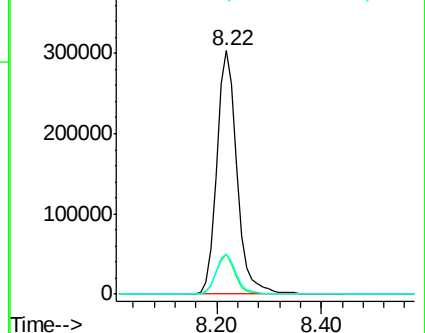
88 16.7 0.0 33.6

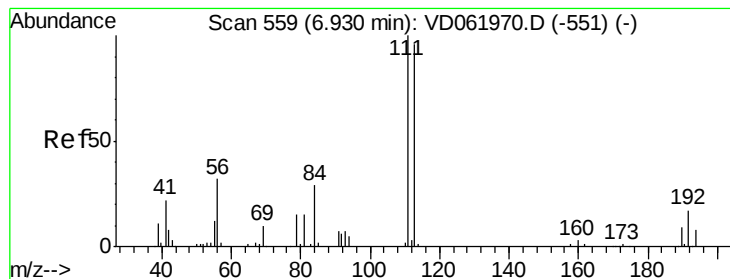


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

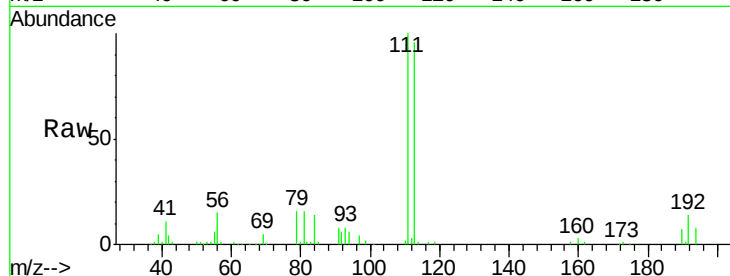
Tot Ion:113 Resp: 276959

Ion Ratio Lower Upper

113 100

111 103.9 78.5 117.7

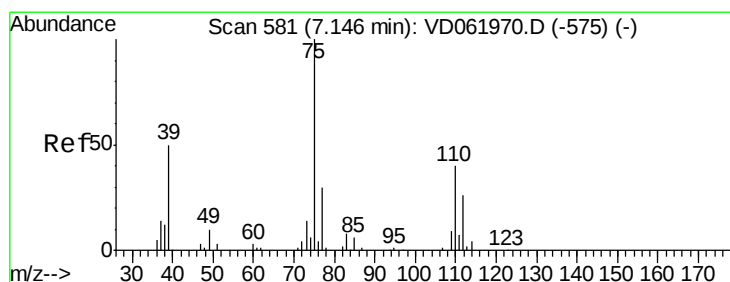
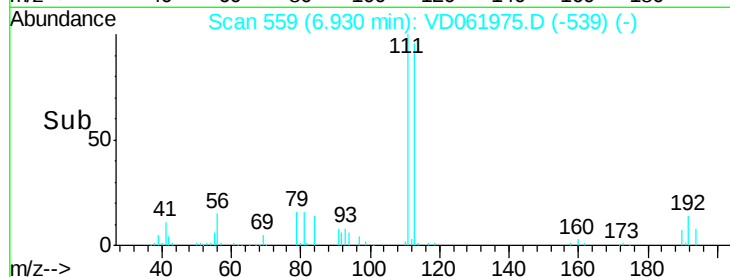
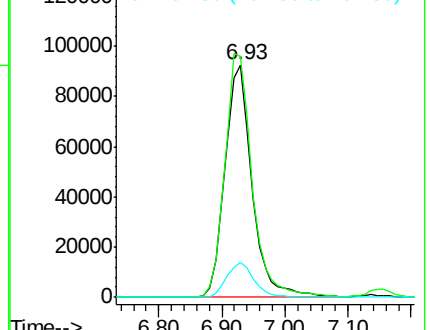
192 14.8 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.227 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

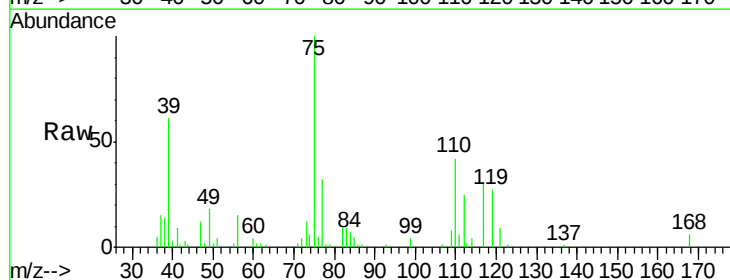
Tgt Ion: 75 Resp: 128079

Ion Ratio Lower Upper

75 100

110 42.2 19.1 57.1

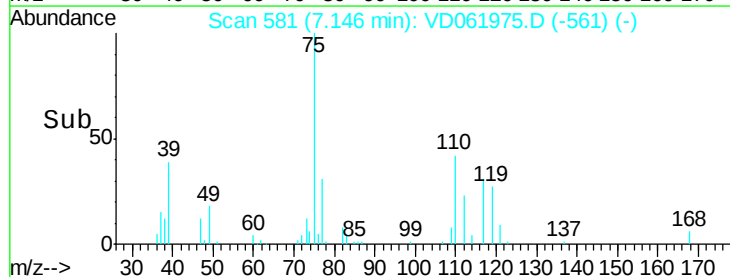
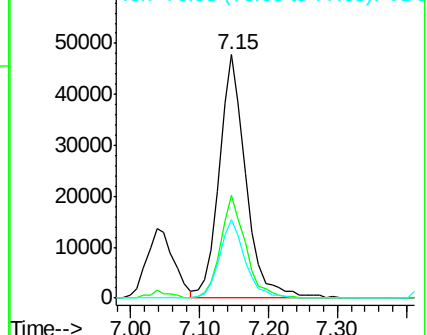
77 32.4 25.6 38.4

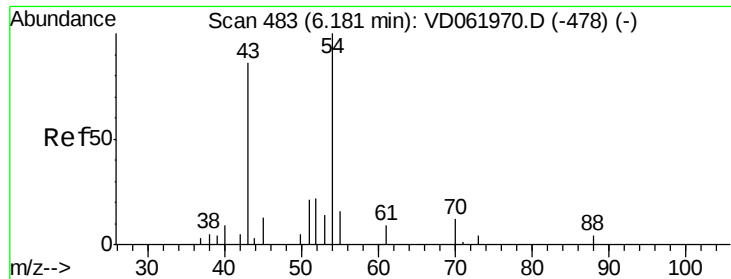


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

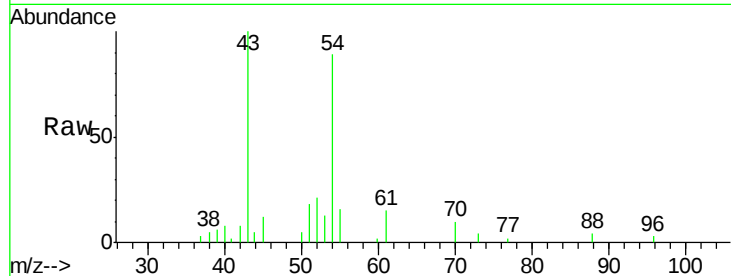




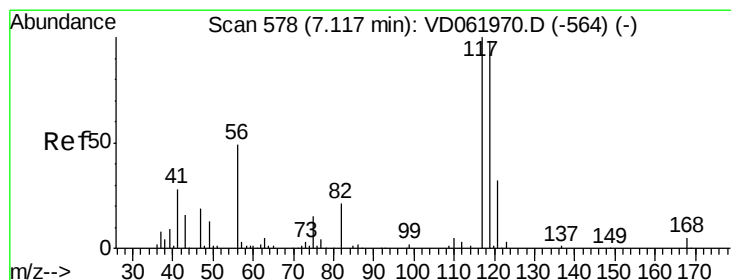
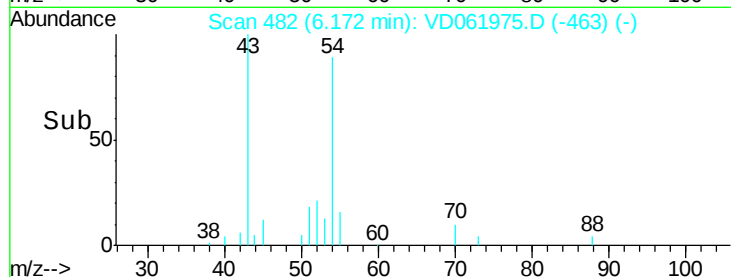
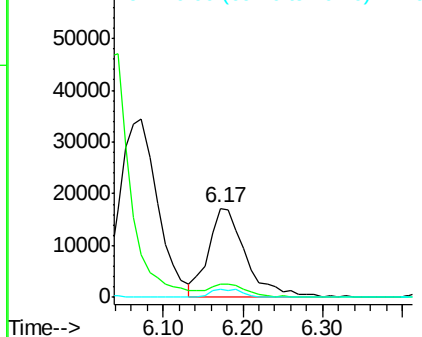
#37
Ethyl Acetate
Concen: 21.100 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

Tot Ion: 43 Resp: 56935
Ion Ratio Lower Upper
43 100
61 14.5 14.7 22.1#
70 9.6 7.8 11.6

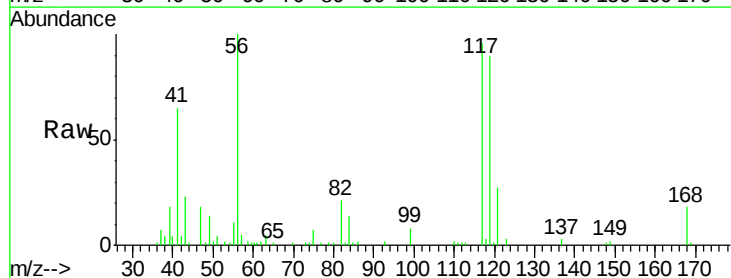


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

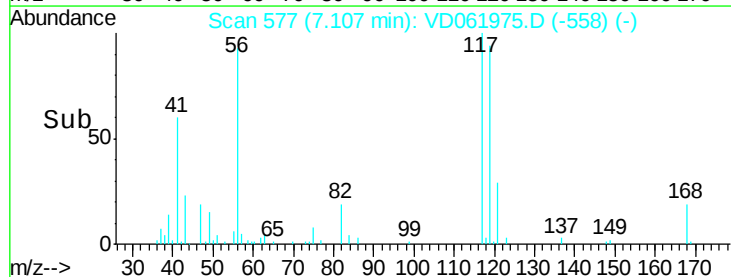
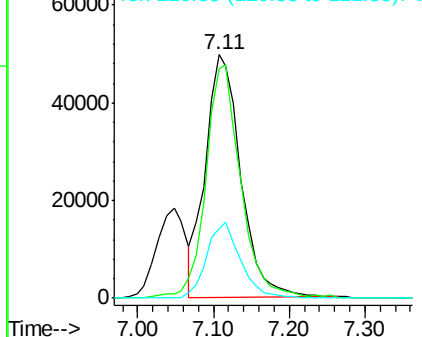


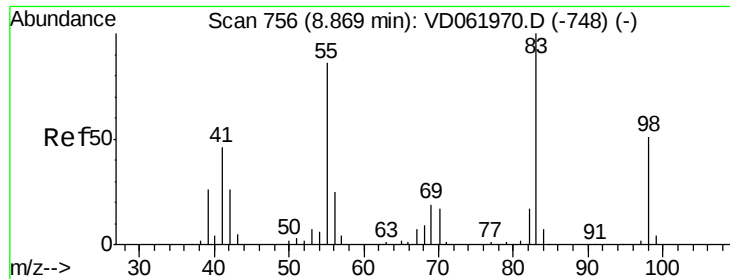
#38
Carbon Tetrachloride
Concen: 20.100 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion: 117 Resp: 161277
Ion Ratio Lower Upper
117 100
119 94.3 75.8 113.8
121 28.4 25.9 38.9



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

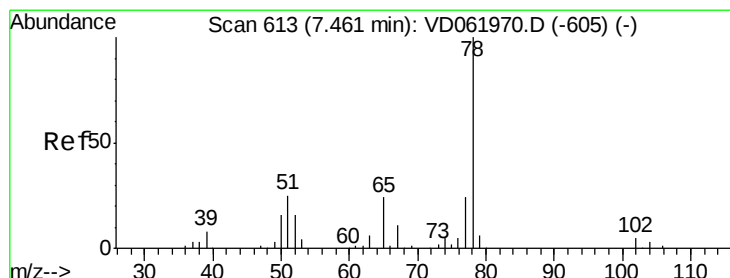
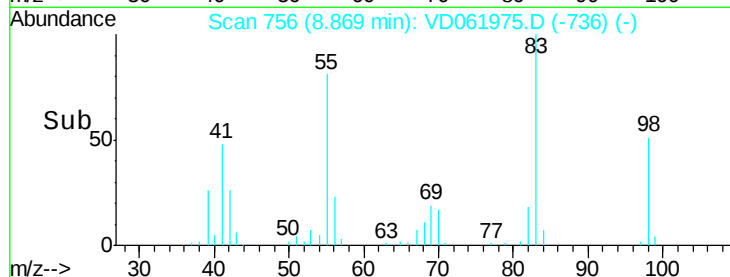
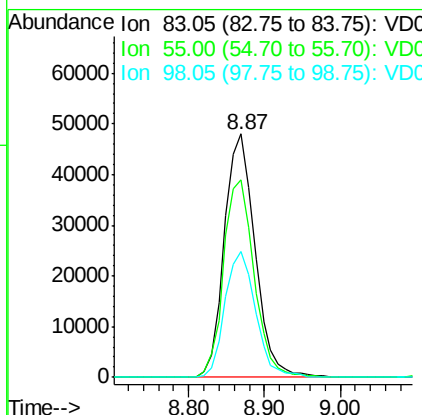
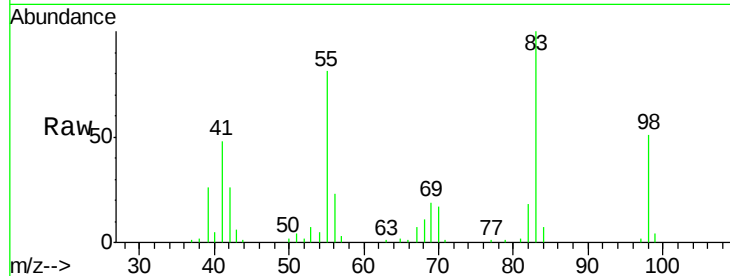




#39
Methvlcvclohexane
Concen: 21.585 ug/l
RT: 8.87 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

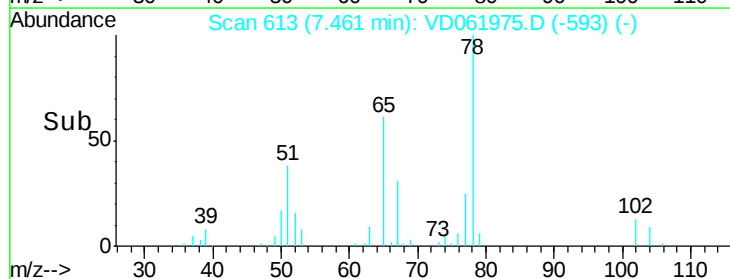
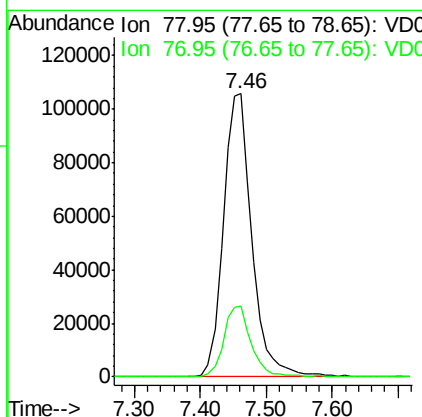
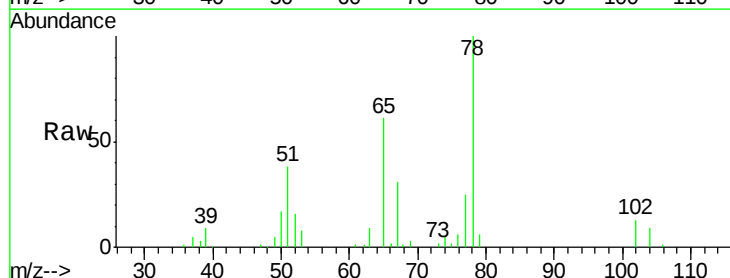
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

Tot Ion: 83 Resp: 134852
Ion Ratio Lower Upper
83 100
55 81.1 68.2 102.4
98 51.5 38.2 57.4



#40
Benzene
Concen: 20.273 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion: 78 Resp: 317810
Ion Ratio Lower Upper
78 100
77 24.9 19.7 29.5

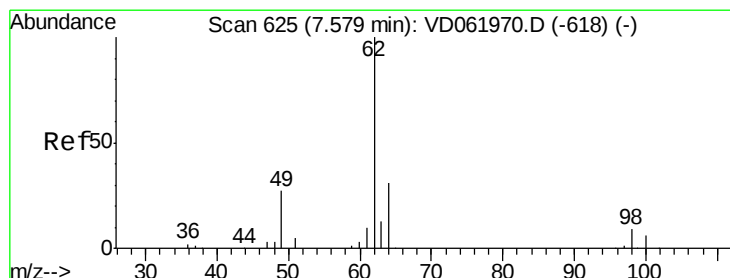
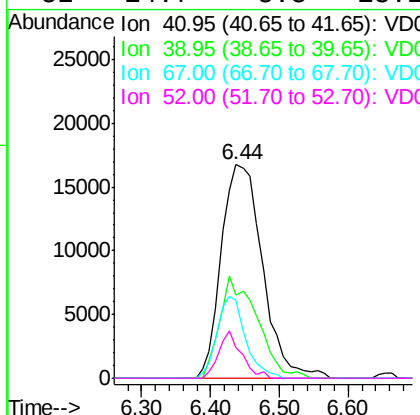
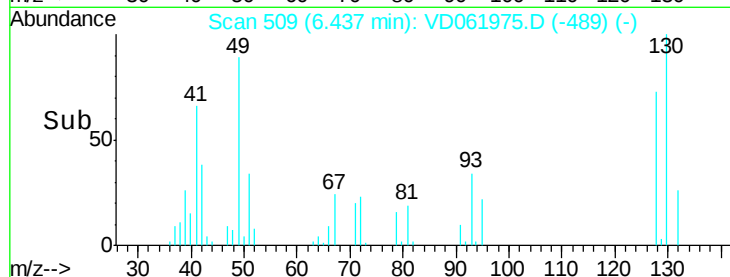
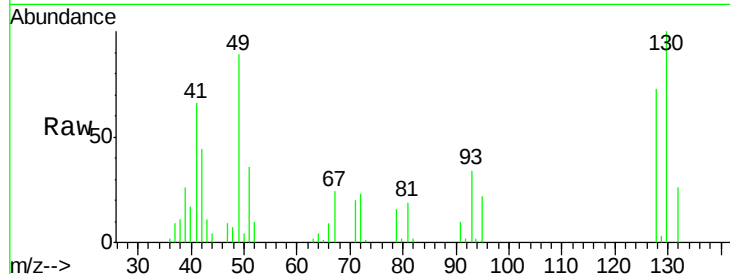




#41
Methacrylonitrile
Concen: 22.053 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

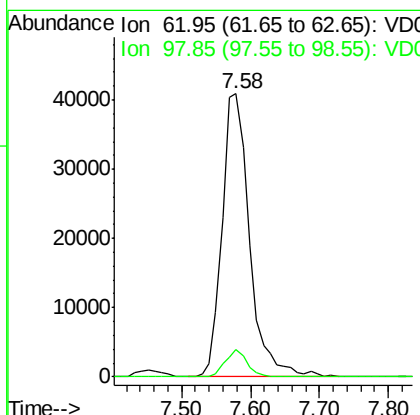
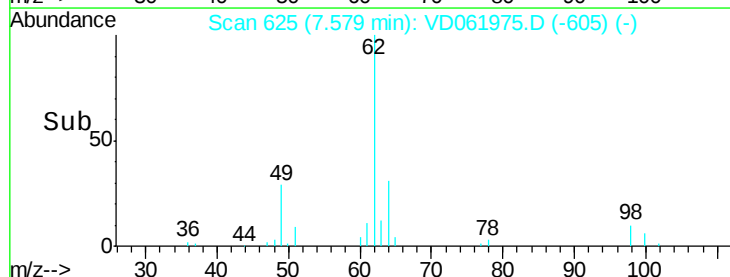
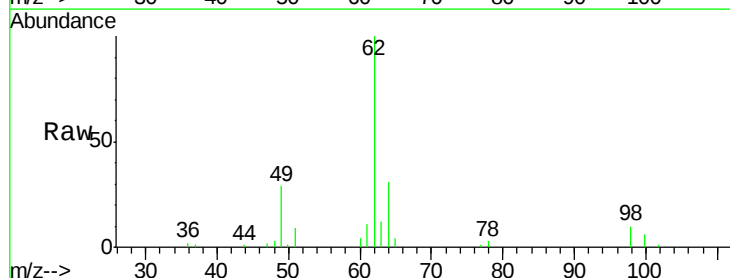
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

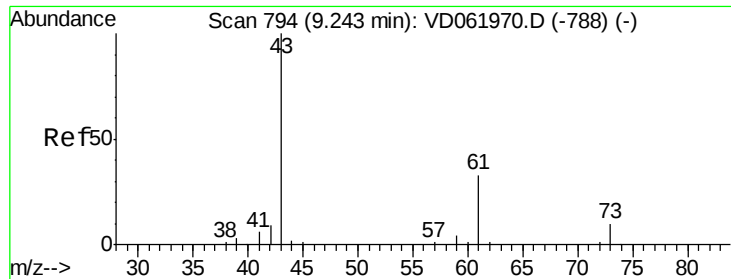
Tot Ion: 41 Resp: 69432
Ion Ratio Lower Upper
41 100
39 39.2 34.1 51.1
67 36.5 23.8 35.6#
52 14.7 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 21.252 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion: 62 Resp: 113118
Ion Ratio Lower Upper
62 100
98 9.9 0.0 17.8



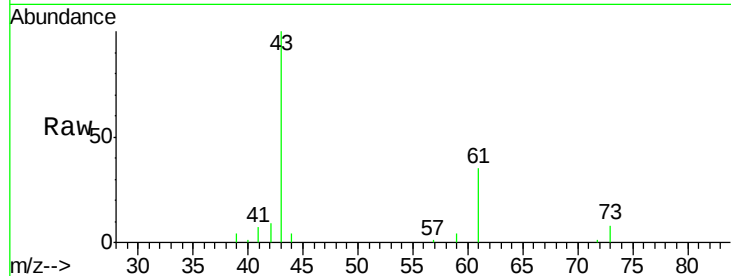


#43

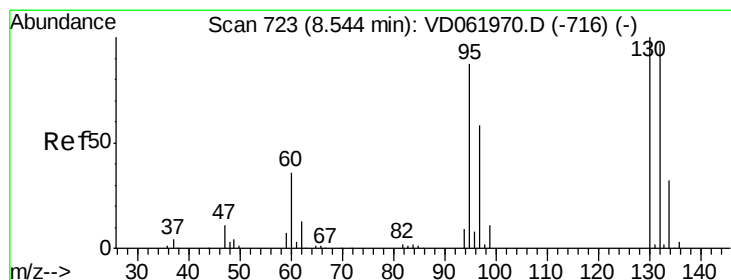
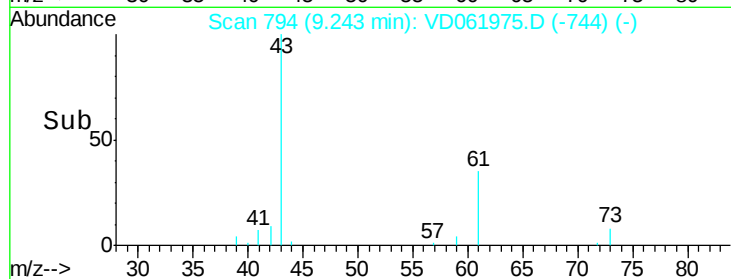
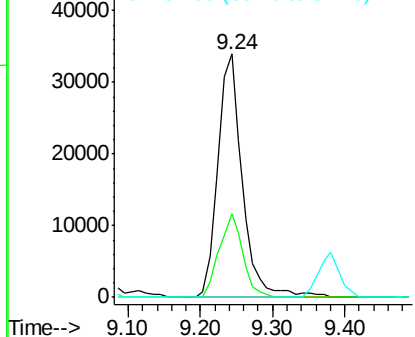
Isopropyl Acetate
 Concen: 20.095 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

Tot Ion: 43 Resp: 79226
 Ion Ratio Lower Upper
 43 100
 61 34.6 25.1 37.7
 87 0.0 0.0 0.0



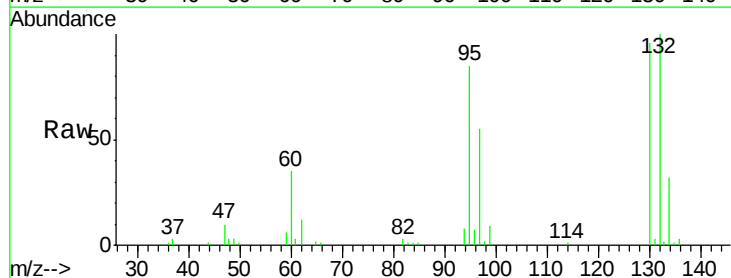
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



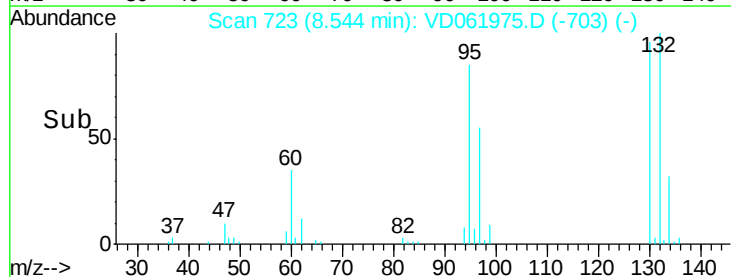
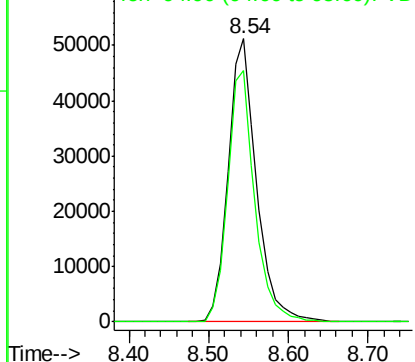
#44

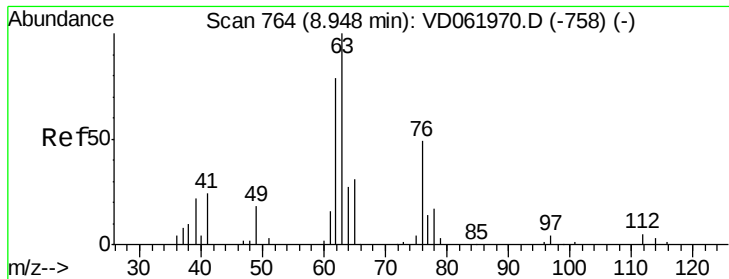
Trichloroethene
 Concen: 20.861 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Tgt Ion: 130 Resp: 126784
 Ion Ratio Lower Upper
 130 100
 95 88.9 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 19.718 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

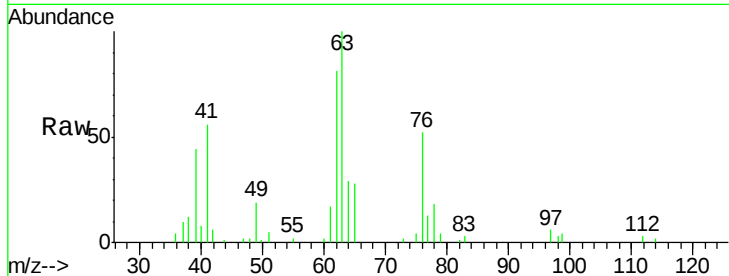
VD0423SBS01

Tot Ion: 63 Resp: 78415

Ion Ratio Lower Upper

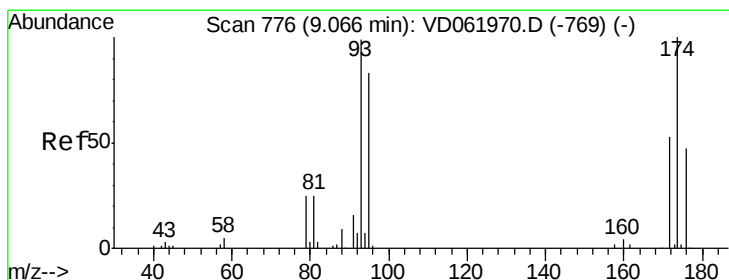
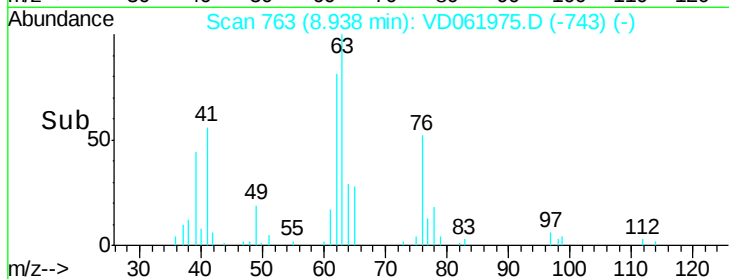
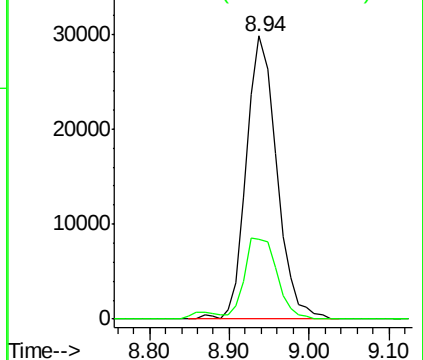
63 100

65 28.4 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.690 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

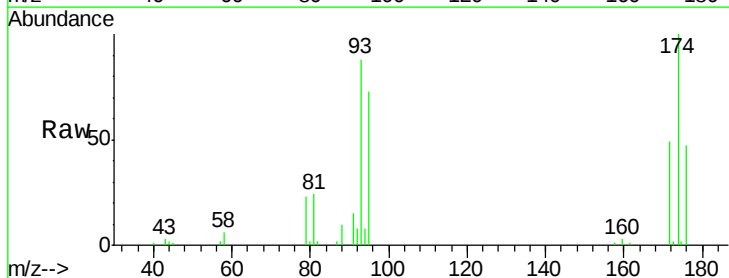
Tgt Ion: 93 Resp: 59205

Ion Ratio Lower Upper

93 100

95 83.2 64.8 97.2

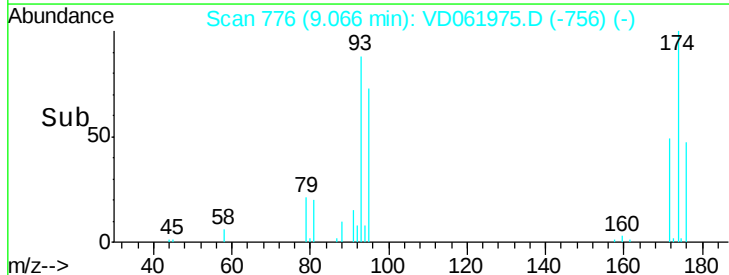
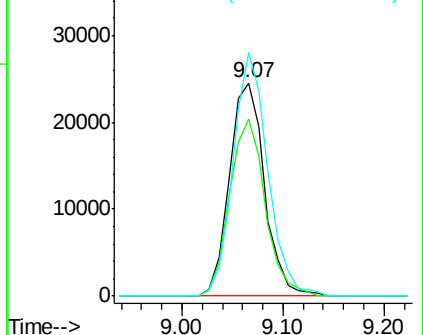
174 114.3 79.3 118.9

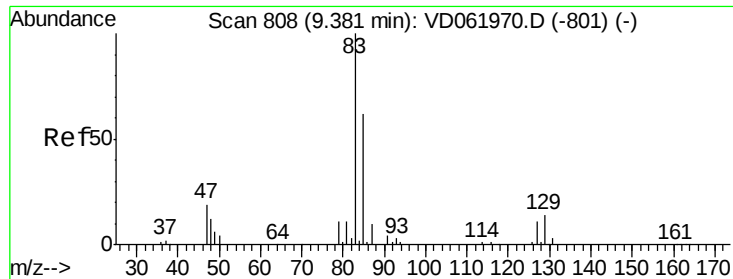


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.379 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

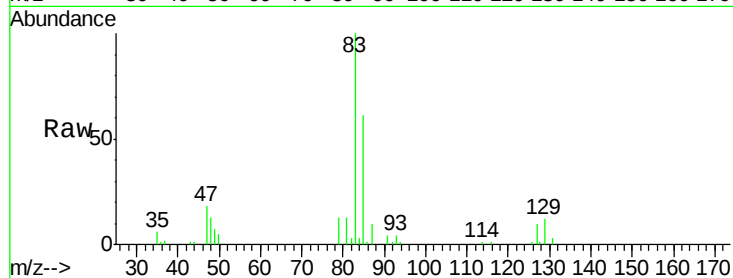
Tot Ion: 83 Resp: 131029

Ion Ratio Lower Upper

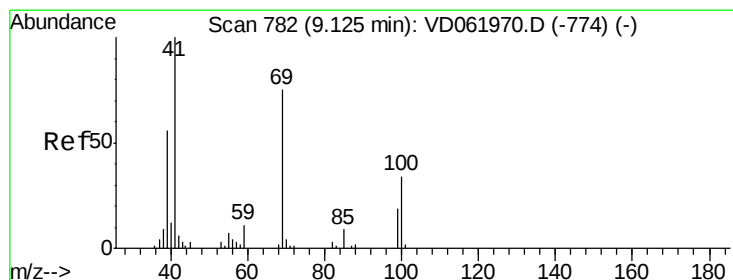
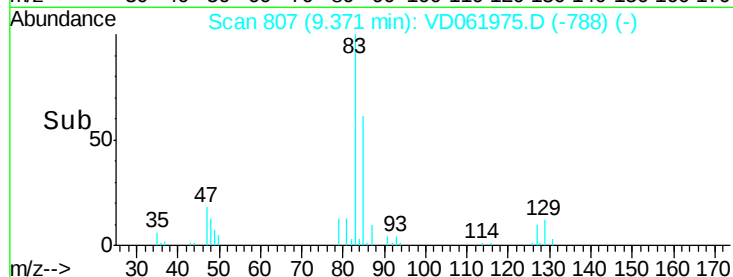
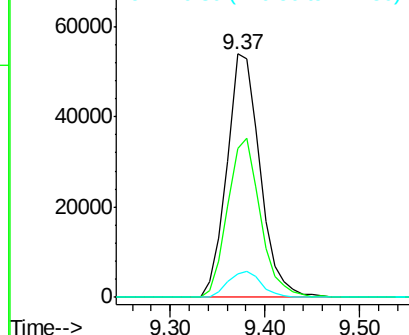
83 100

85 61.3 50.9 76.3

127 9.8 8.1 12.1



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



#48

Methyl methacrylate

Concen: 20.227 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

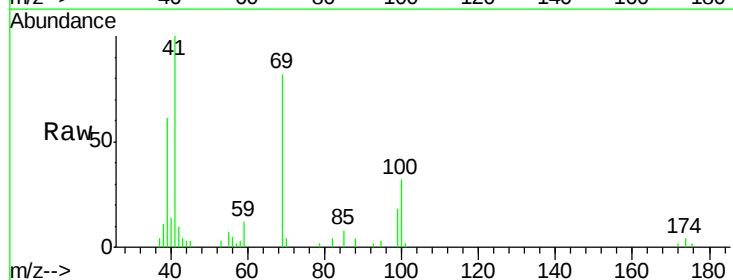
Tgt Ion: 41 Resp: 45500

Ion Ratio Lower Upper

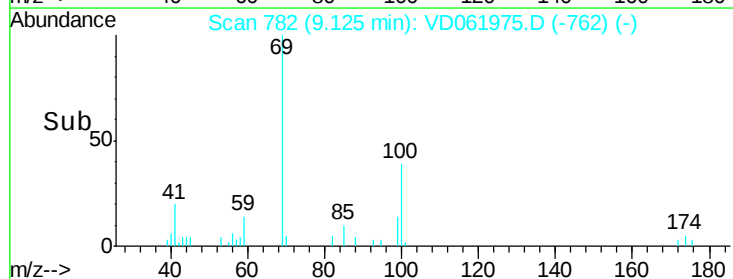
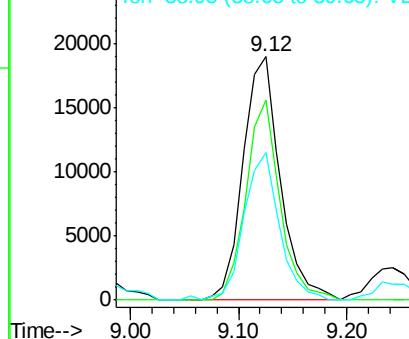
41 100

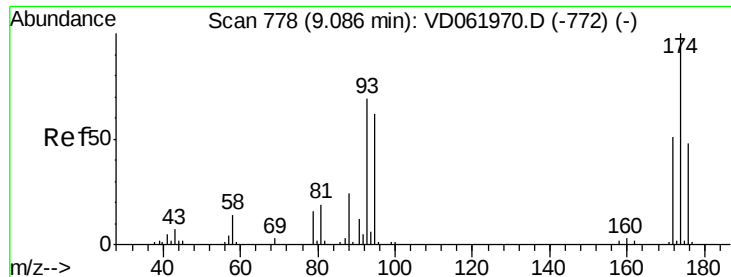
69 82.3 64.2 96.2

39 60.5 46.8 70.2



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

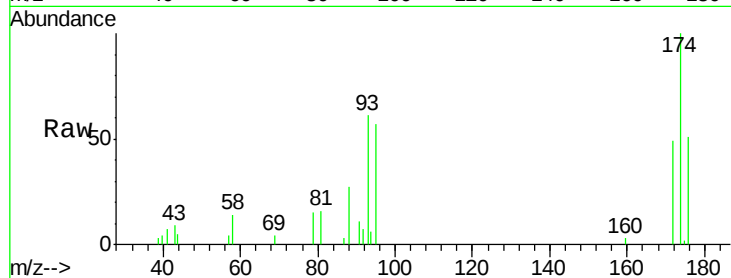




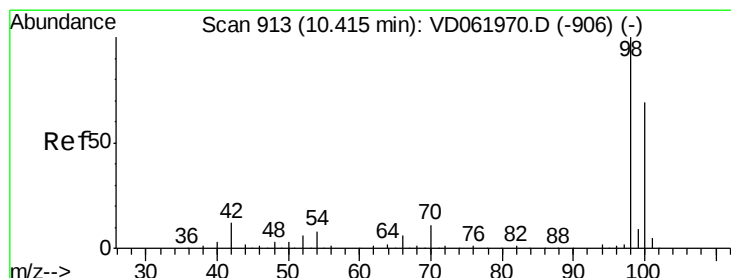
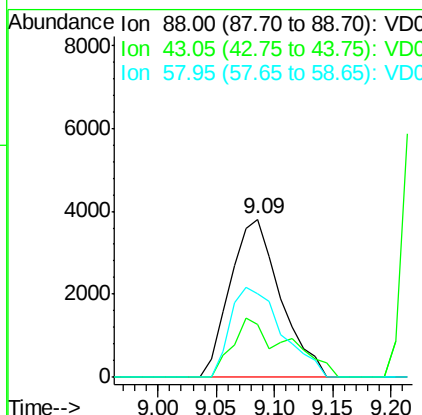
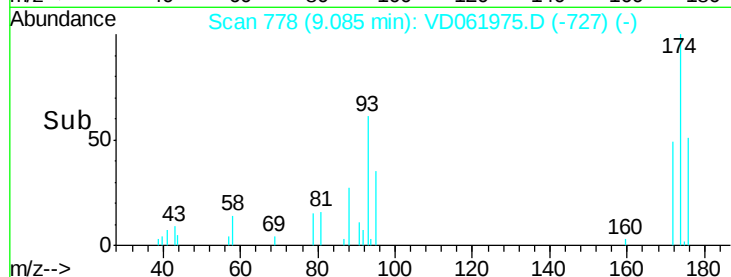
#49
1,4-Dioxane
Concen: 470.554 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

Tot Ion: 88 Resp: 11412
Ion Ratio Lower Upper
88 100
43 33.1 23.4 35.0
58 52.8 44.0 66.0

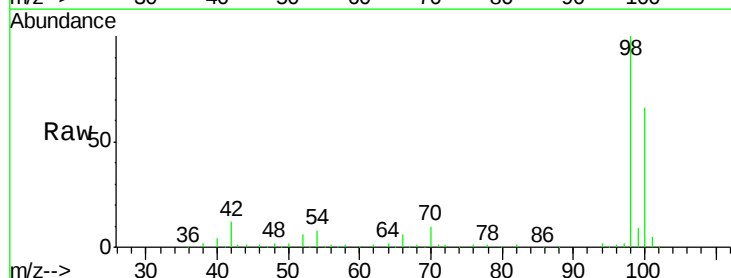


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

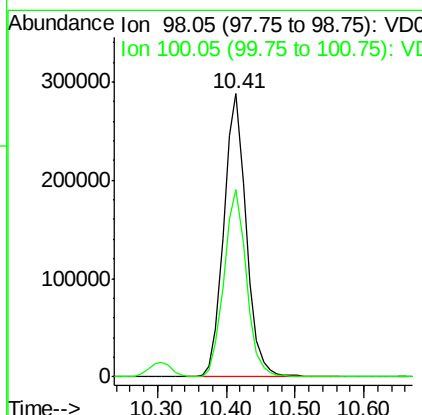
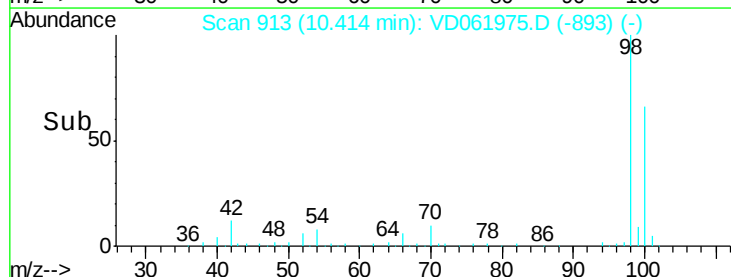


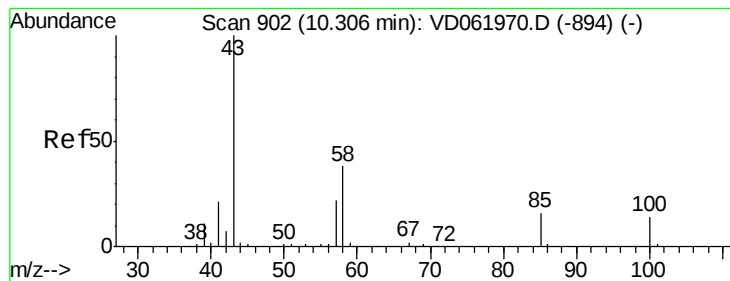
#50
Toluene-d8
Concen: 470.554 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion: 98 Resp: 648142
Ion Ratio Lower Upper
98 100
100 66.3 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 108.579 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

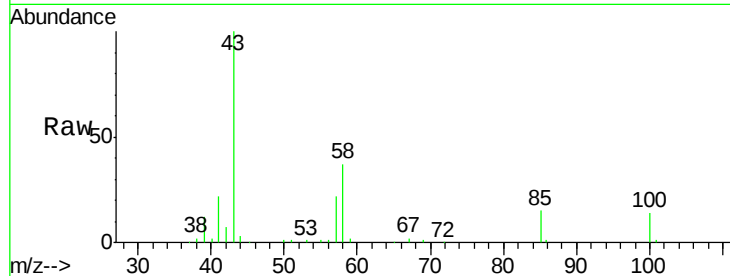
VD0423SBS01

Tot Ion: 43 Resp: 261801

Ion Ratio Lower Upper

43 100

58 37.2 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

120000

100000

80000

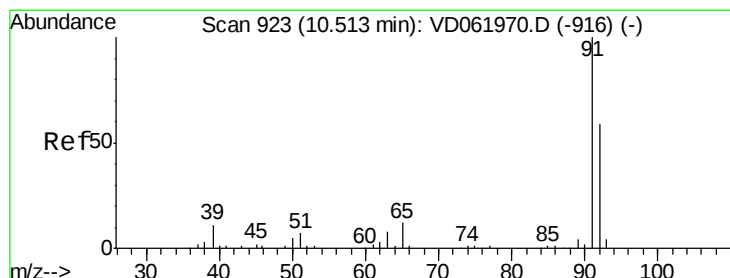
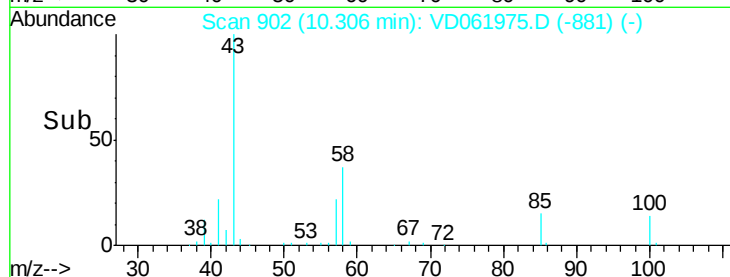
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 19.719 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061975.D

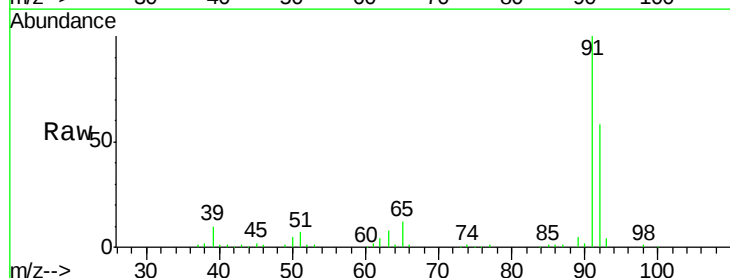
Acq: 23 Apr 2019 17:39

Tgt Ion: 92 Resp: 197100

Ion Ratio Lower Upper

92 100

91 171.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

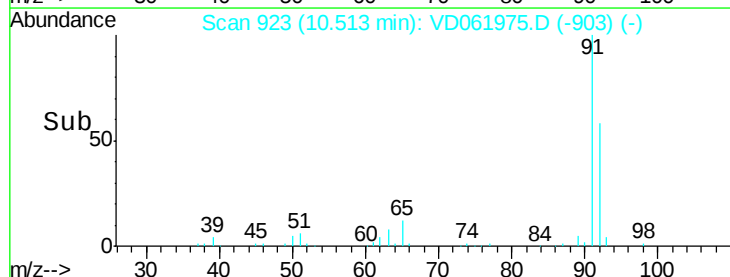
150000

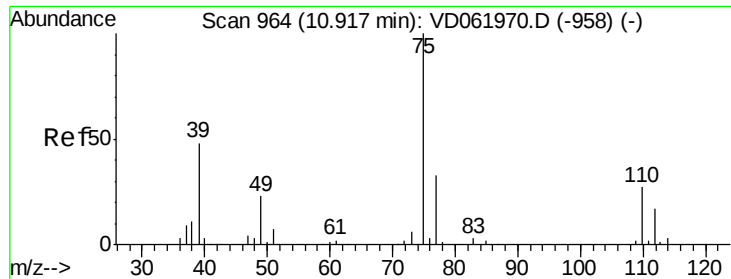
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.660 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

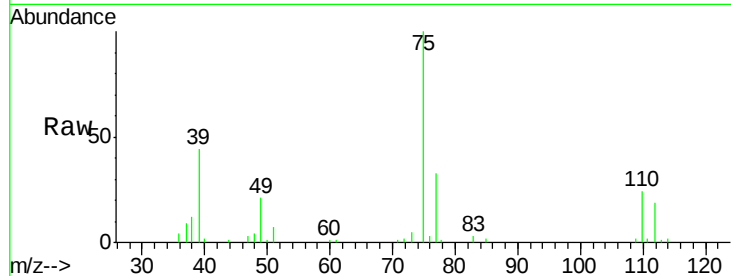
VD0423SBS01

Tot Ion: 75 Resp: 128607

Ion Ratio Lower Upper

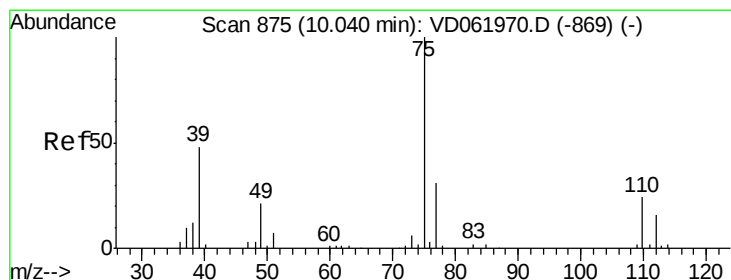
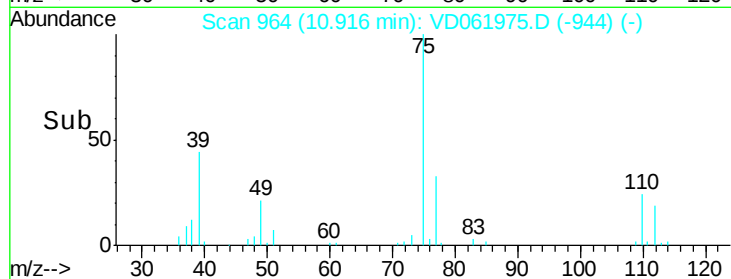
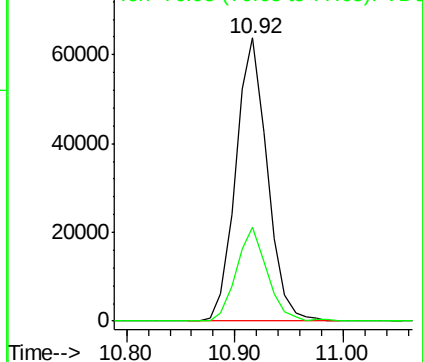
75 100

77 33.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.969 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

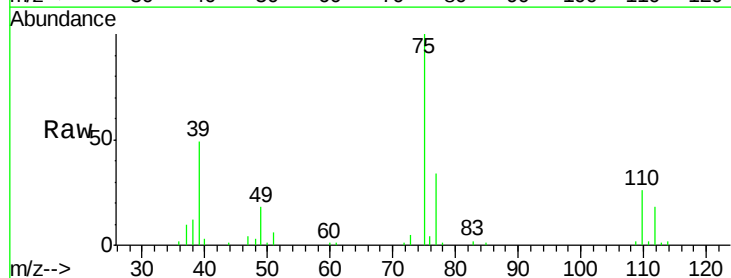
Tgt Ion: 75 Resp: 137840

Ion Ratio Lower Upper

75 100

77 33.6 25.5 38.3

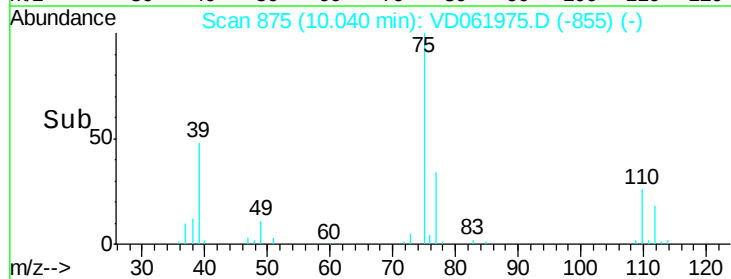
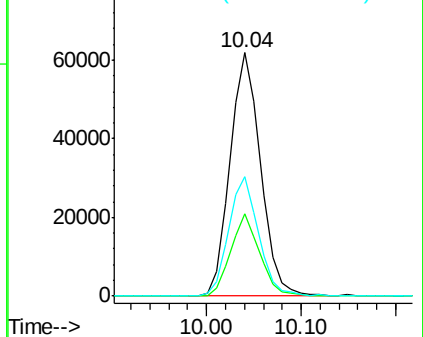
39 49.2 39.4 59.2

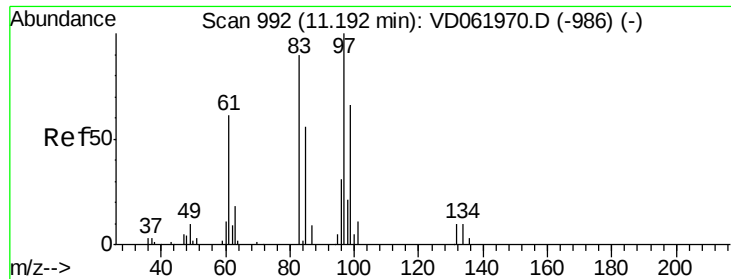


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

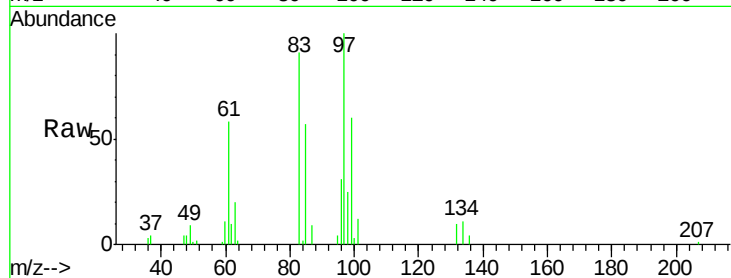




#55
 1,1,2-Trichloroethane
 Concen: 21.703 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

Tot Ion	97	Resp	72827
Ion	Ratio	Lower	Upper
97	100		
83	91.3	65.7	98.5
85	57.1	45.6	68.4
99	60.1	48.4	72.6

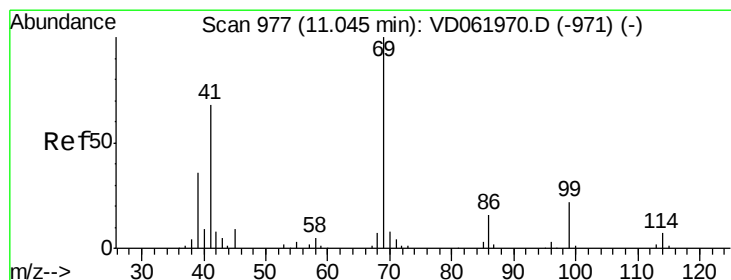
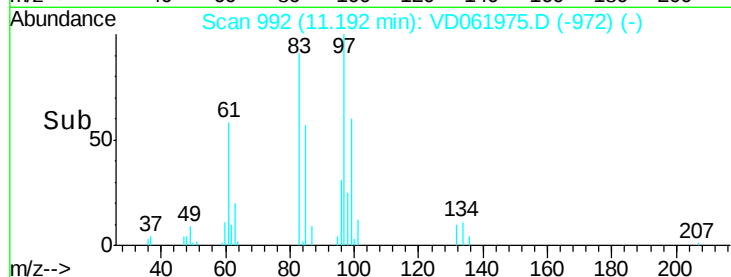
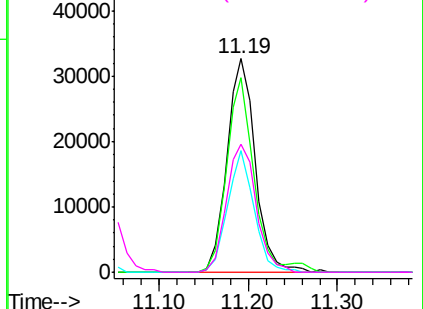


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

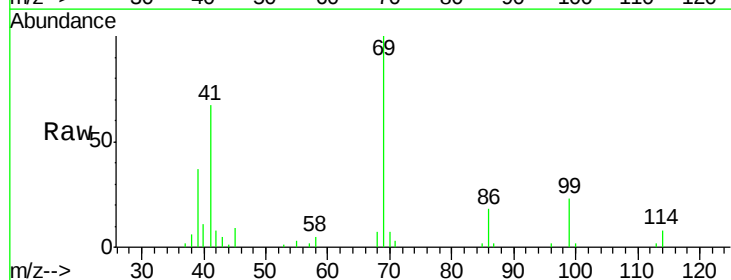
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 21.670 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

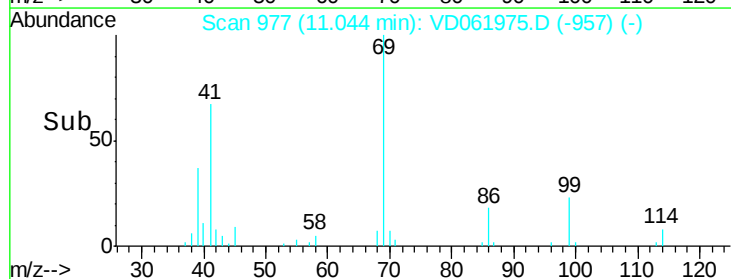
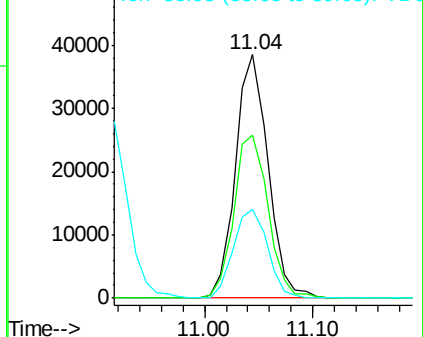
Tgt Ion	69	Resp	80538
Ion	Ratio	Lower	Upper
69	100		
41	67.0	56.3	84.5
39	36.6	29.4	44.2

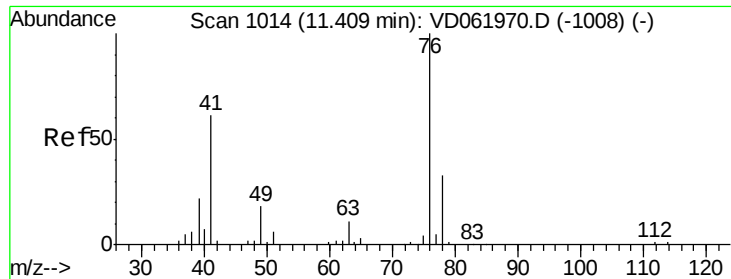


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

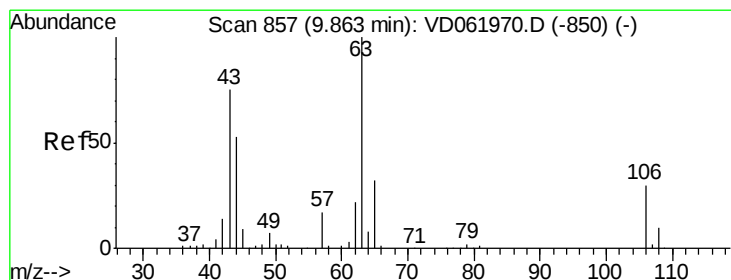
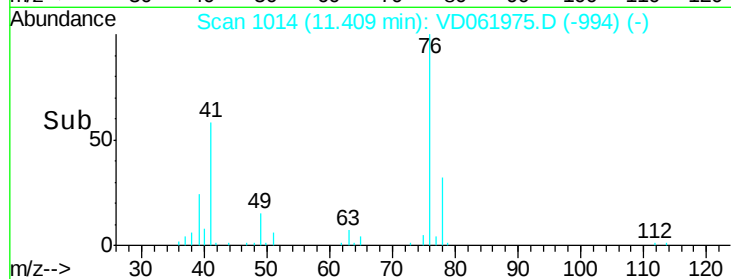
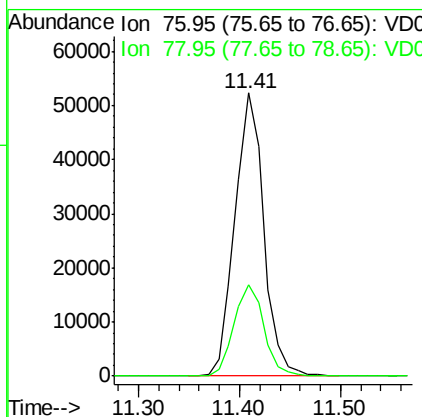
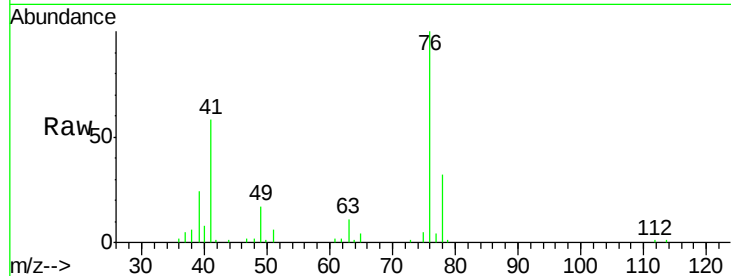




#57
 1,3-Dichloropropane
 Concen: 20.103 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

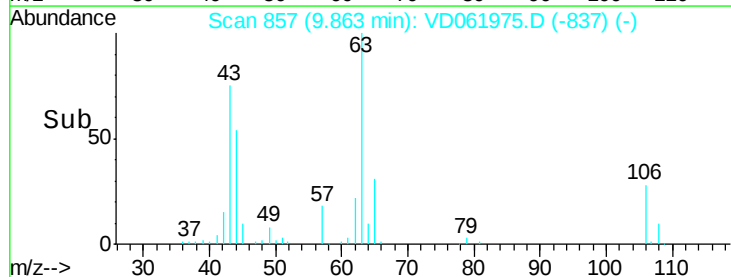
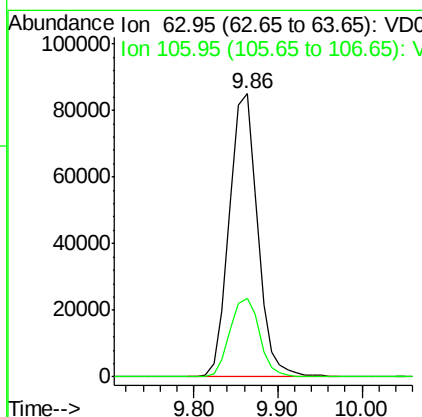
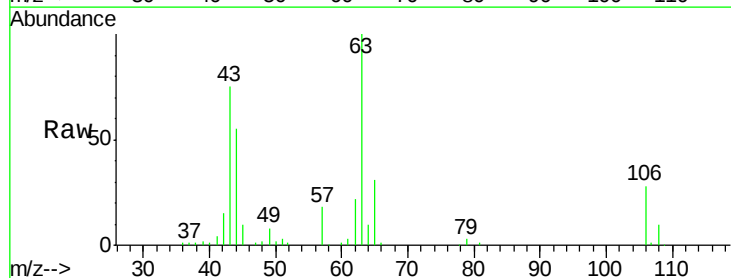
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

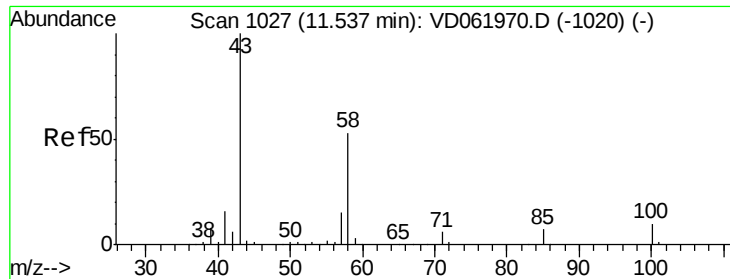
Tot Ion: 76 Resp: 104189
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.539 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Tgt Ion: 63 Resp: 199642
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.6 34.0

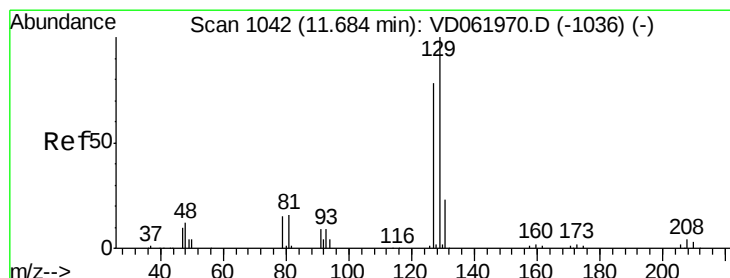
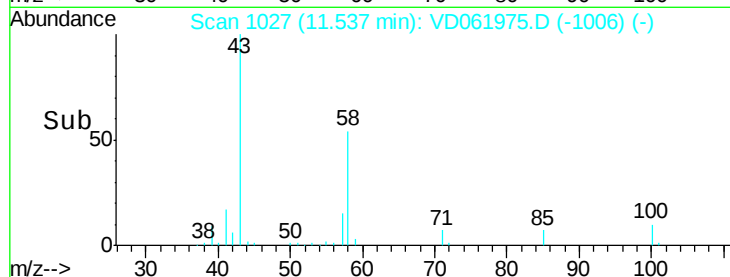
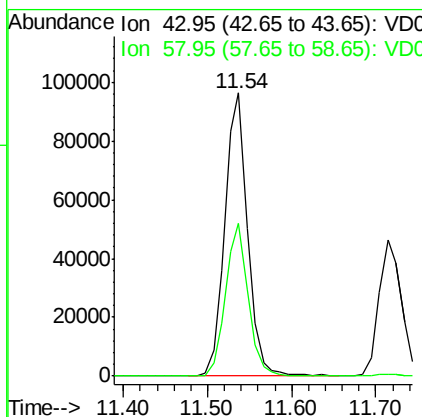
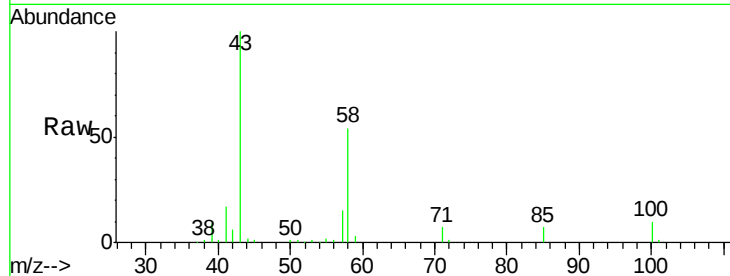




#59
2-Hexanone
Concen: 99.675 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

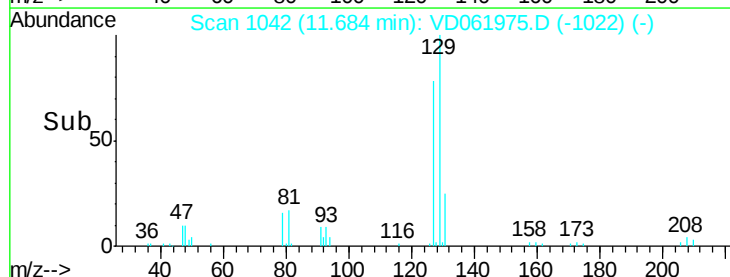
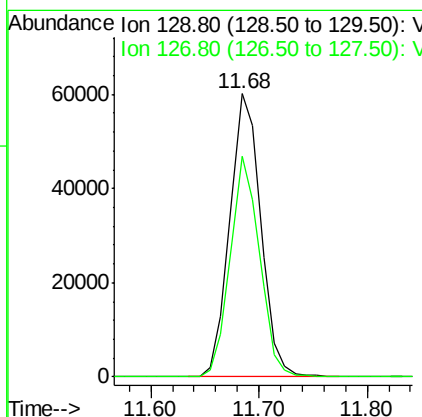
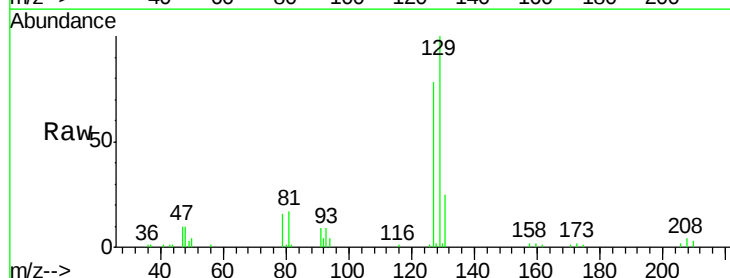
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

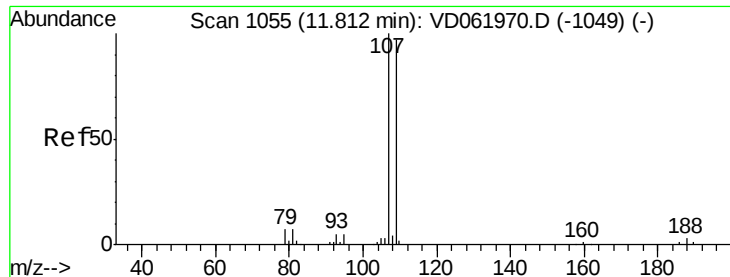
Tot Ion: 43 Resp: 180284
Ion Ratio Lower Upper
43 100
58 53.9 25.4 76.4



#60
Dibromochloromethane
Concen: 21.643 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion: 129 Resp: 120169
Ion Ratio Lower Upper
129 100
127 78.0 38.0 113.9

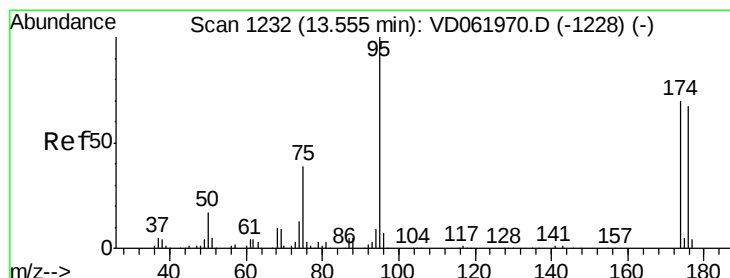
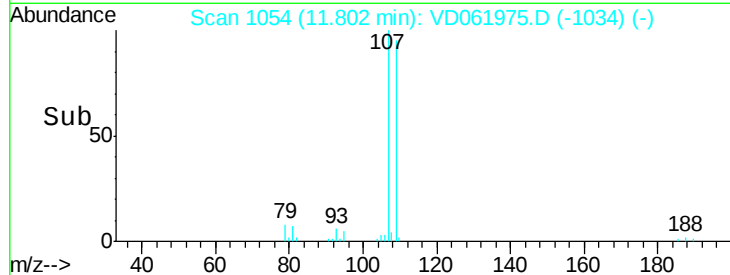
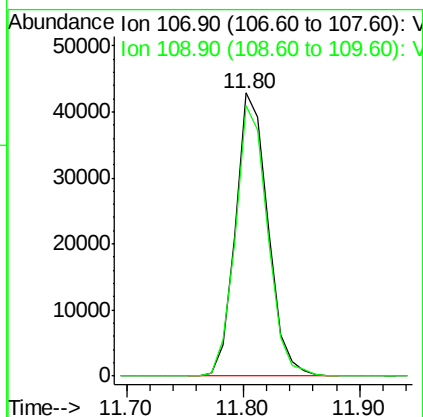
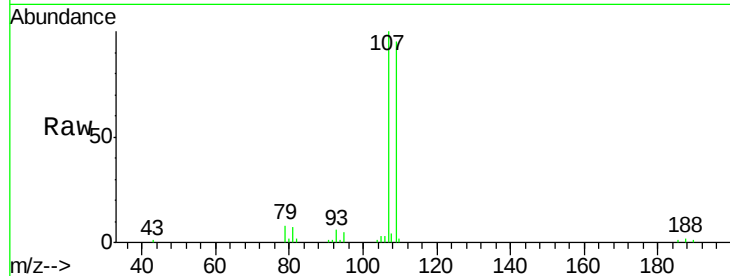




#61
 1,2-Dibromoethane
 Concen: 20.695 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

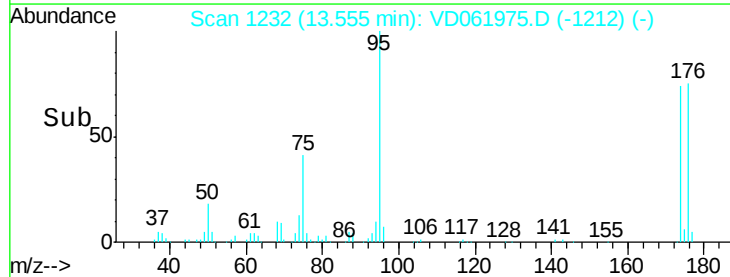
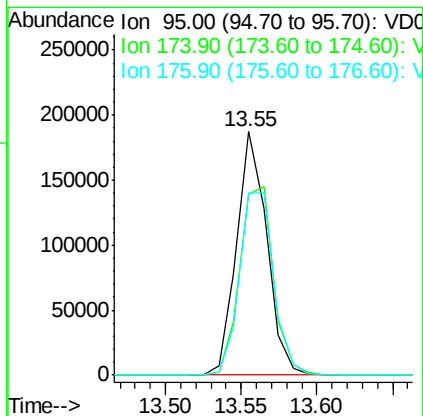
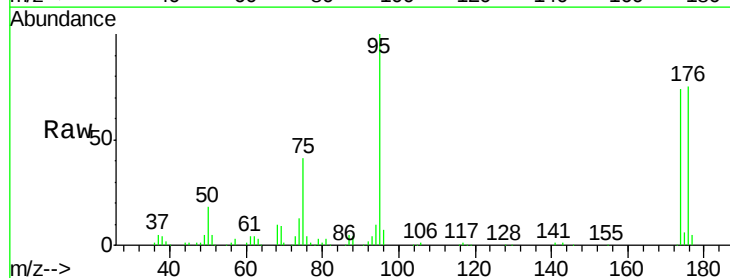
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

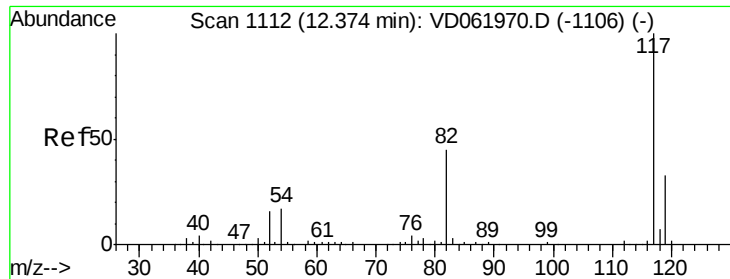
Tot Ion:107 Resp: 82380
 Ion Ratio Lower Upper
 107 100
 109 95.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 20.695 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Tgt Ion: 95 Resp: 259127
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 181.8
 176 74.8 0.0 174.4

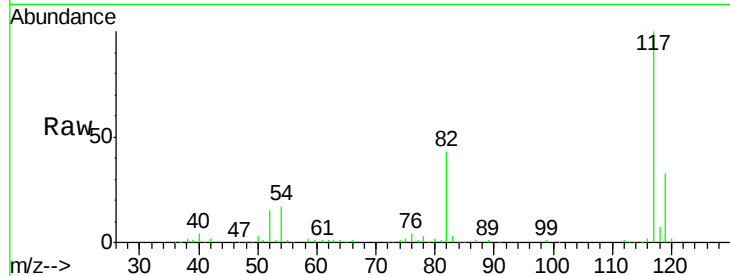




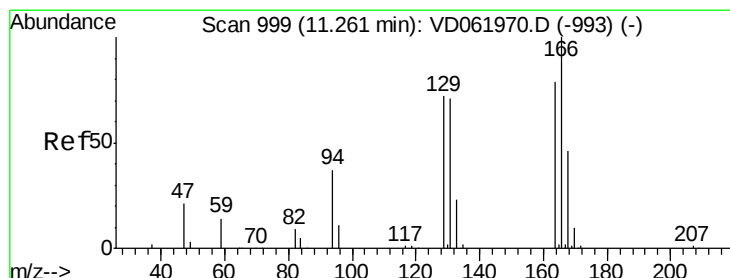
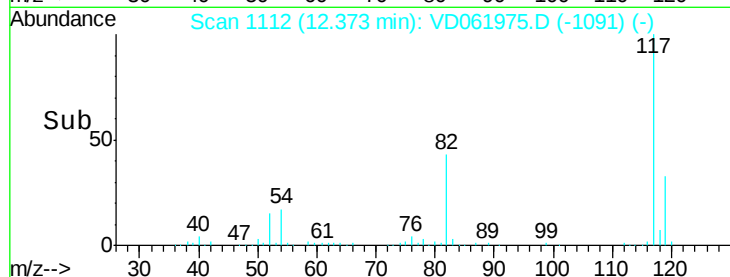
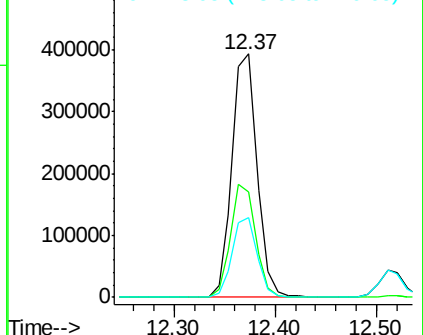
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

Tot Ion:117 Resp: 680436
Ion Ratio Lower Upper
117 100
82 43.1 36.2 54.2
119 32.9 26.2 39.4

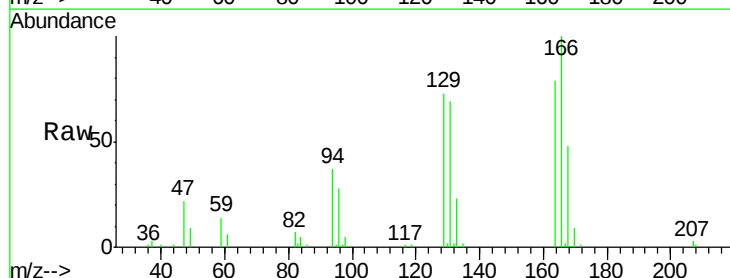


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

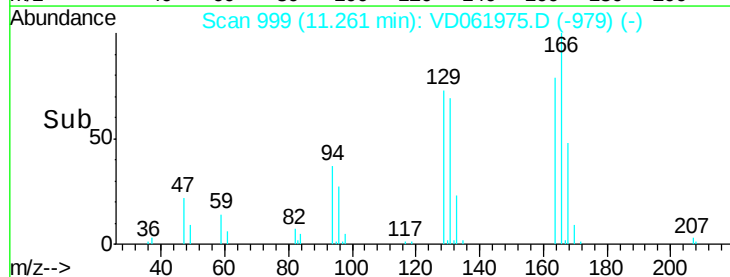
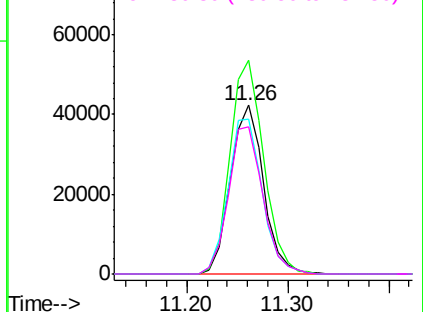


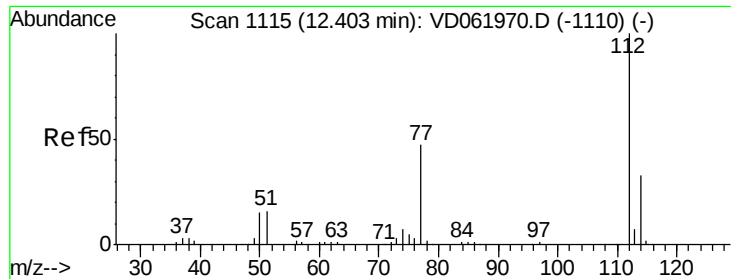
#64
Tetrachloroethene
Concen: 19.841 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion:164 Resp: 96305
Ion Ratio Lower Upper
164 100
166 126.6 101.5 152.3
129 91.9 74.6 112.0
131 87.4 72.6 108.8



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

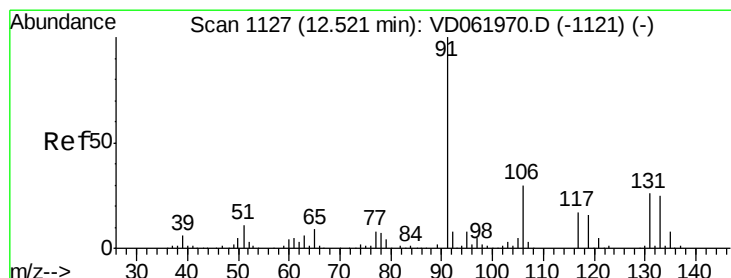
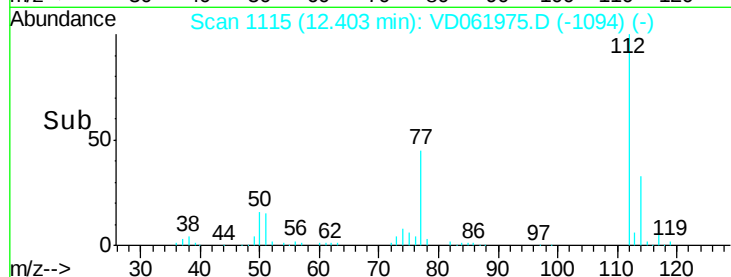
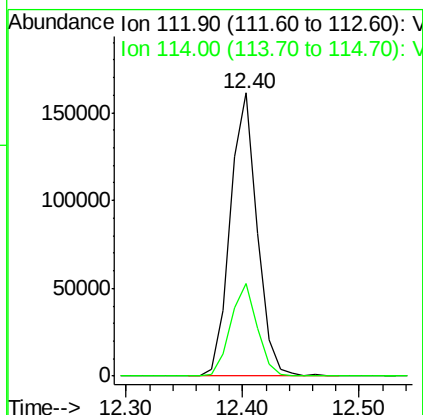
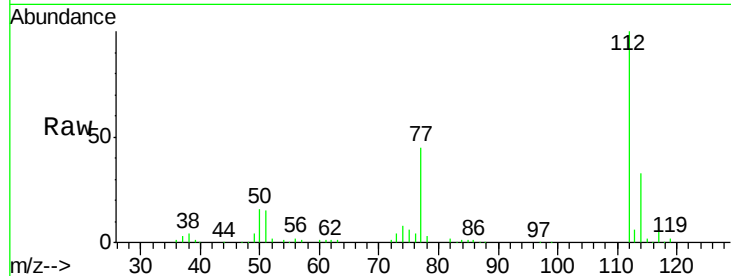




#65
Chlorobenzene
Concen: 20.031 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

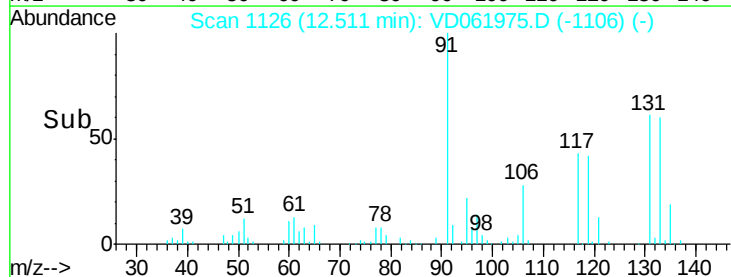
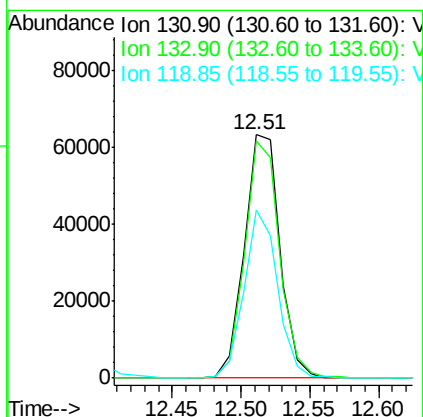
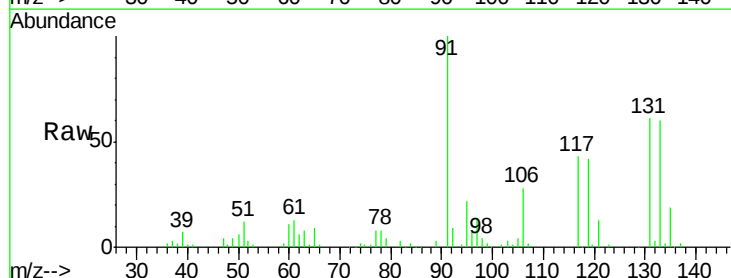
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

Tot Ion:112 Resp: 257551
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.904 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion:131 Resp: 114011
Ion Ratio Lower Upper
131 100
133 97.3 48.6 145.8
119 69.1 34.7 104.1

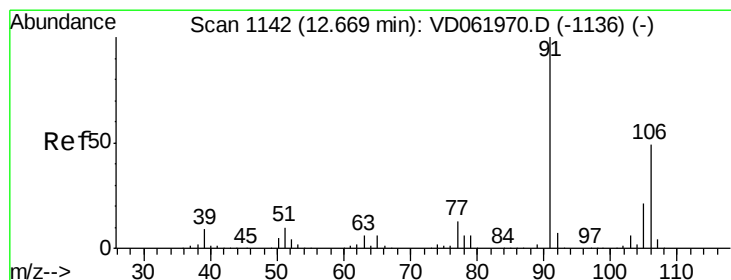
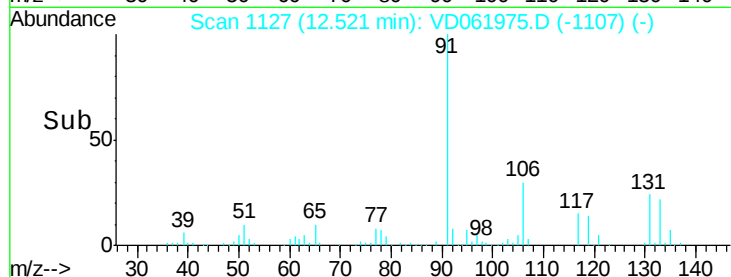
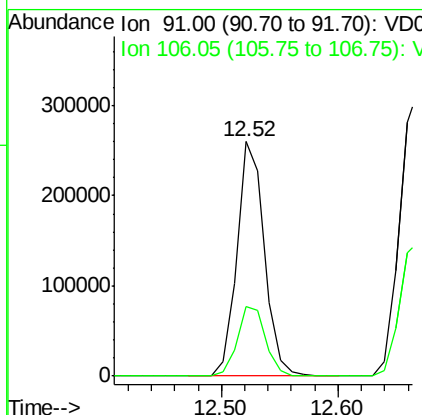
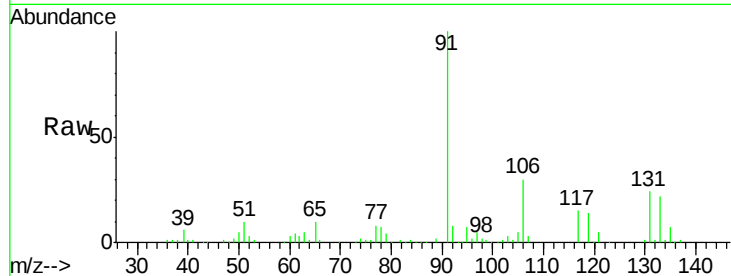




#67
Ethyl Benzene
Concen: 20.109 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

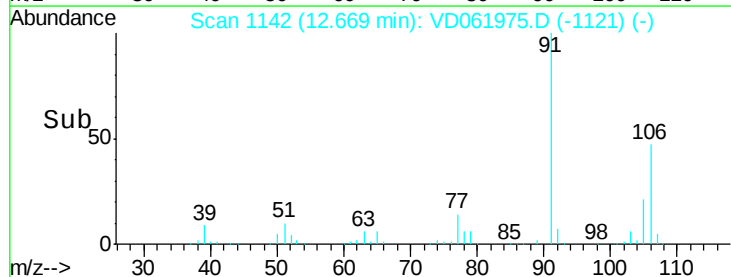
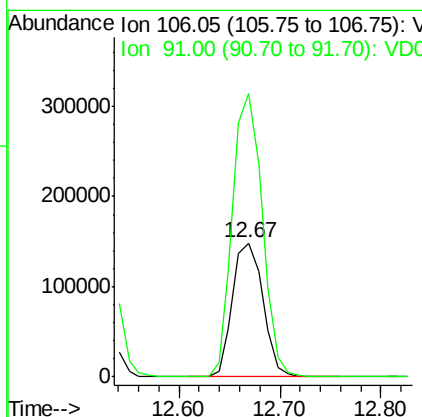
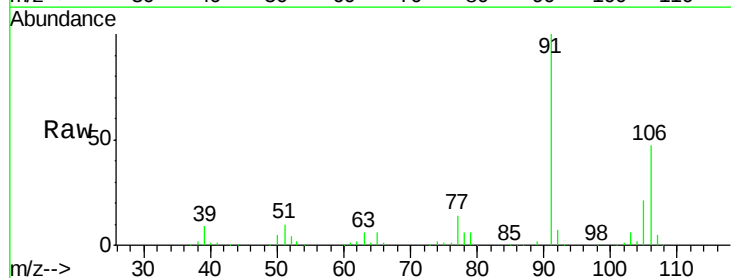
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

Tot Ion: 91 Resp: 422022
Ion Ratio Lower Upper
91 100
106 29.8 24.7 37.1



#68
m/p-Xylenes
Concen: 41.213 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion: 106 Resp: 312600
Ion Ratio Lower Upper
106 100
91 210.8 164.0 246.0

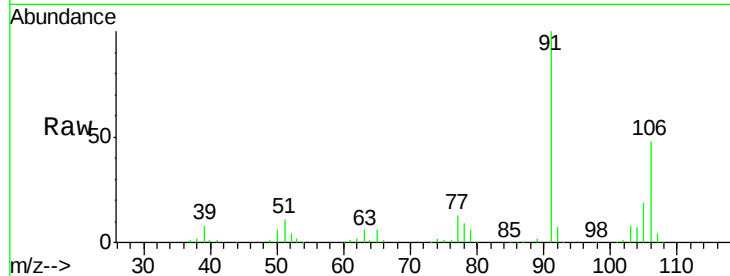




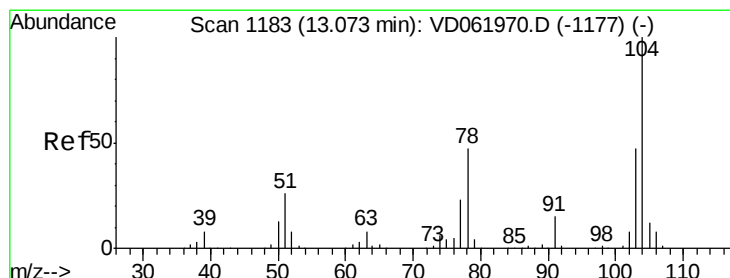
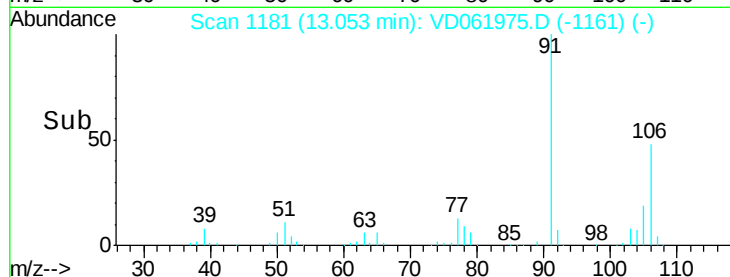
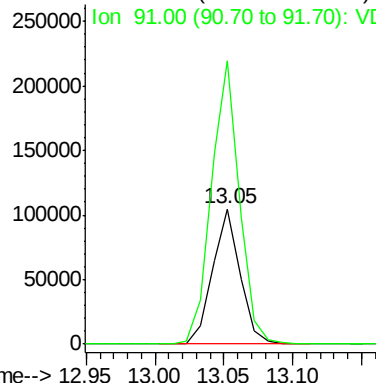
#69
o-Xylene
Concen: 21.066 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

Tot Ion:106 Resp: 146200
Ion Ratio Lower Upper
106 100
91 209.6 106.7 319.9

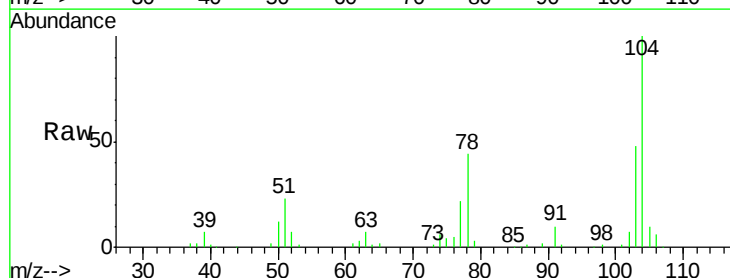


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

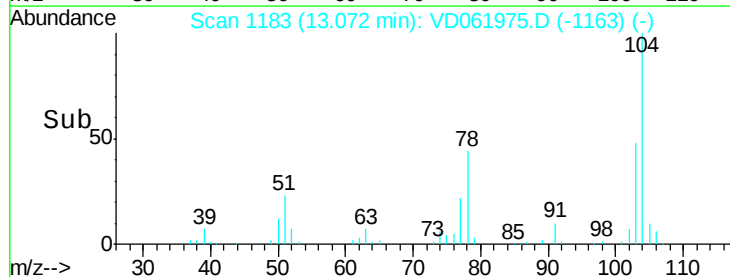
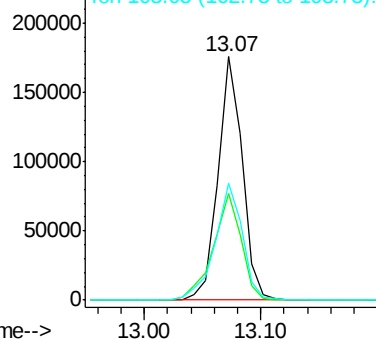


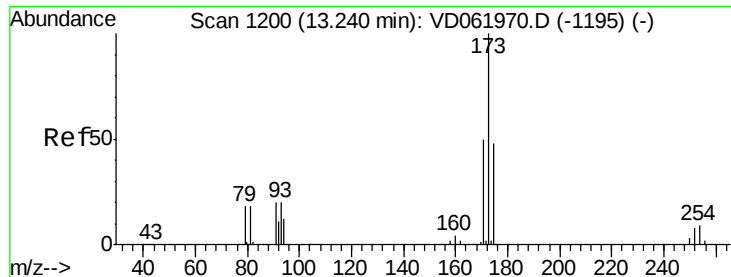
#70
Styrene
Concen: 21.212 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion:104 Resp: 254194
Ion Ratio Lower Upper
104 100
78 43.8 35.4 53.2
103 48.2 37.5 56.3



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





#71

Bromoform

Concen: 22.433 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

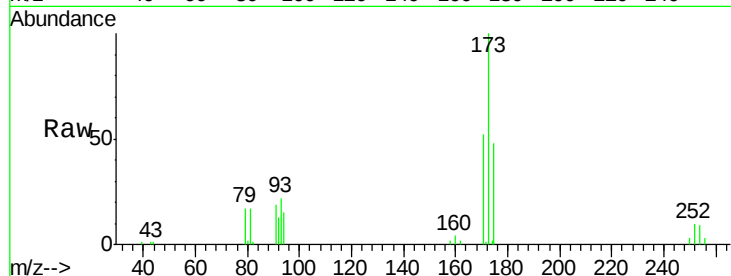
Tot Ion:173 Resp: 69752

Ion Ratio Lower Upper

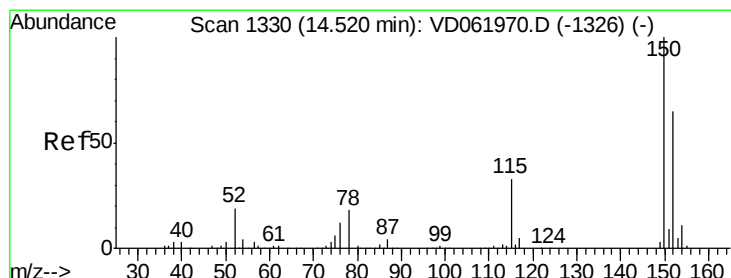
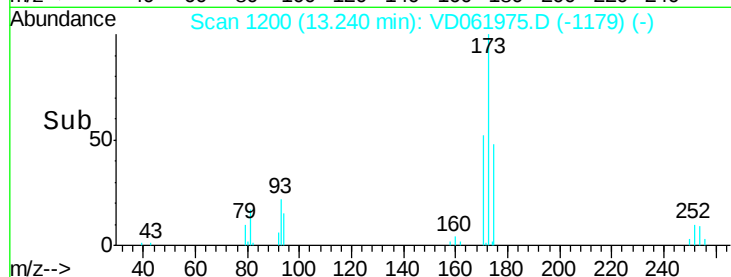
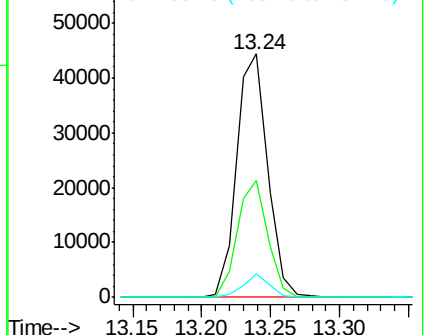
173 100

175 47.9 24.4 73.4

254 9.4 5.4 8.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

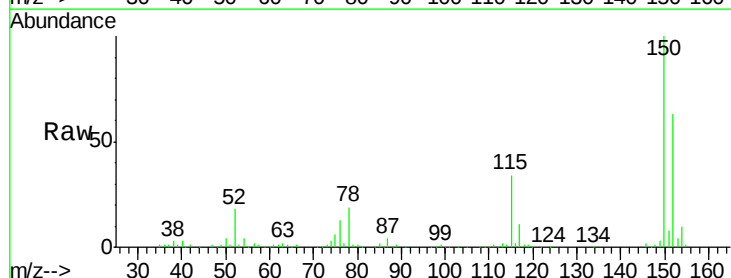
Tgt Ion:152 Resp: 322715

Ion Ratio Lower Upper

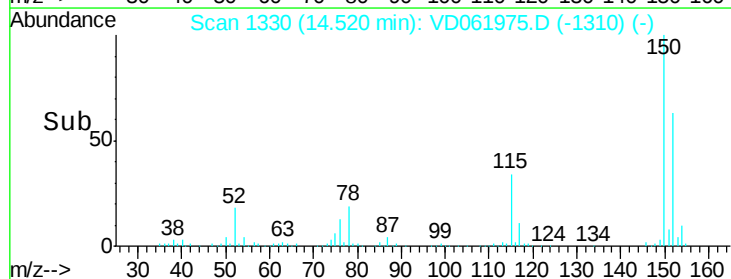
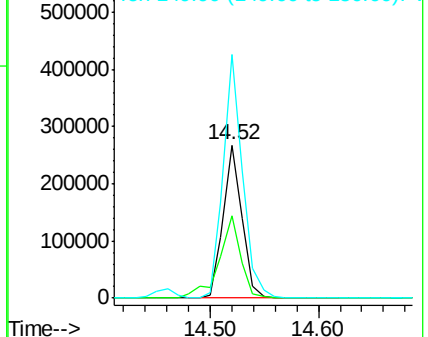
152 100

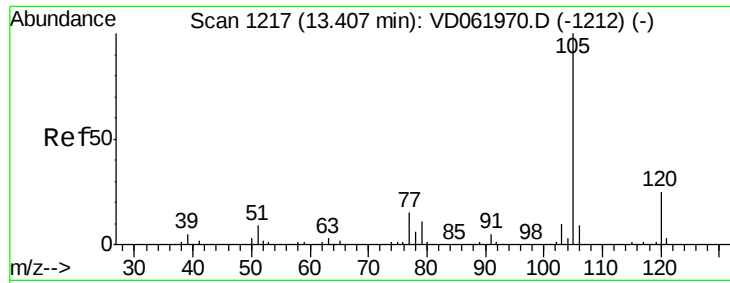
115 54.2 30.9 92.7

150 159.1 0.0 314.8



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





#73

Isopropylbenzene

Concen: 18.012 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

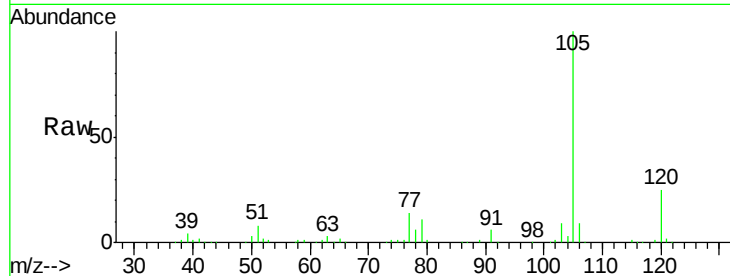
VD0423SBS01

Tot Ion:105 Resp: 387758

Ion Ratio Lower Upper

105 100

120 24.7 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

250000

200000

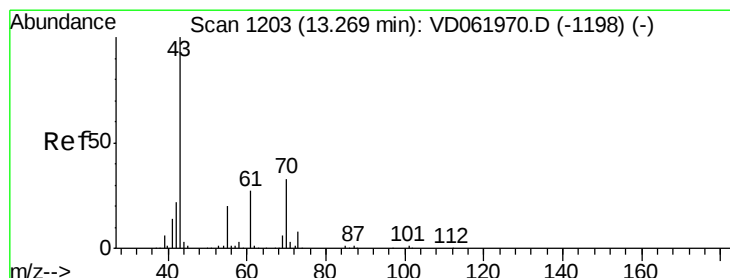
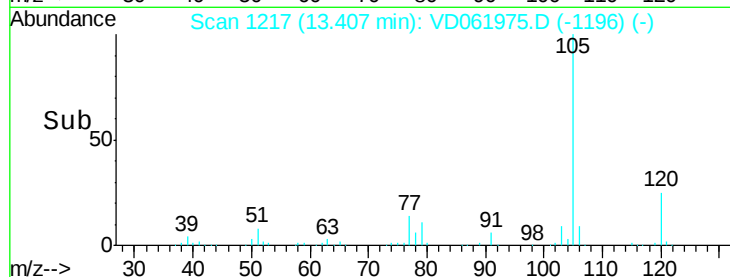
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 20.273 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Tgt Ion: 43 Resp: 112395

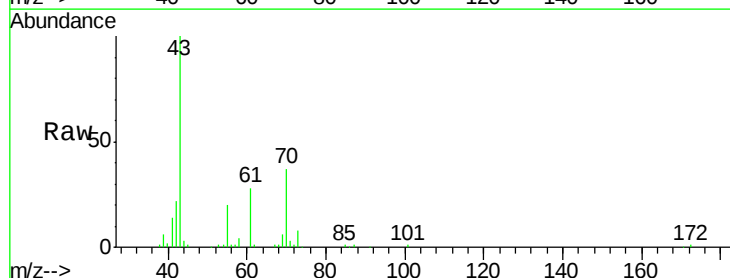
Ion Ratio Lower Upper

43 100

70 37.4 24.2 36.4#

55 19.9 16.0 24.0

61 28.5 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

120000

100000

80000

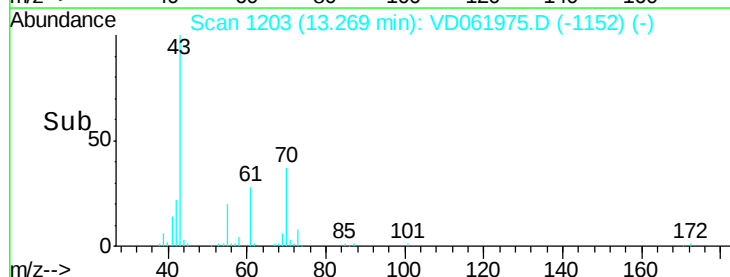
60000

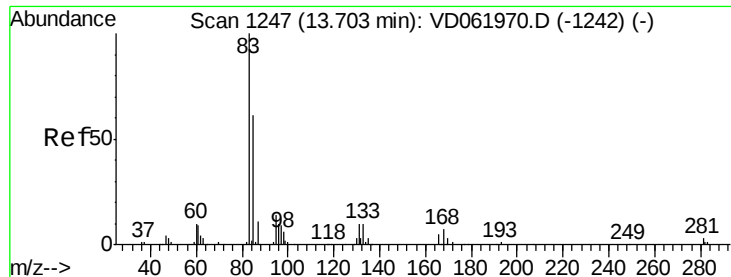
40000

20000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 19.671 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

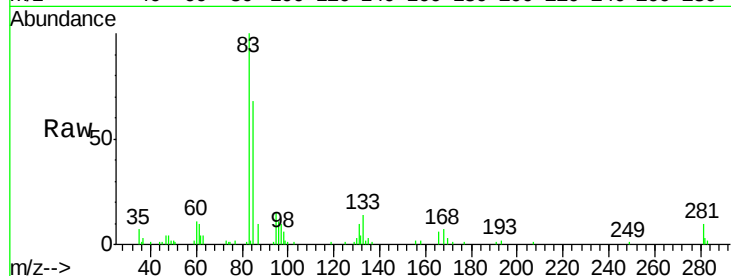
Tot Ion: 83 Resp: 82983

Ion Ratio Lower Upper

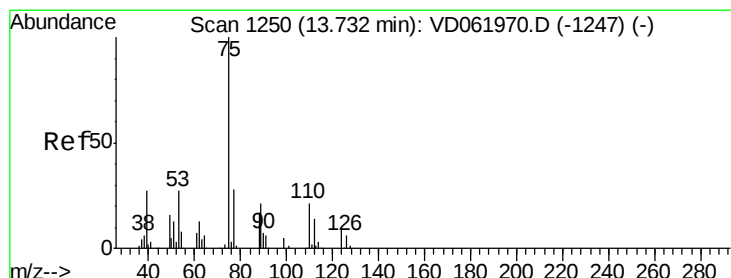
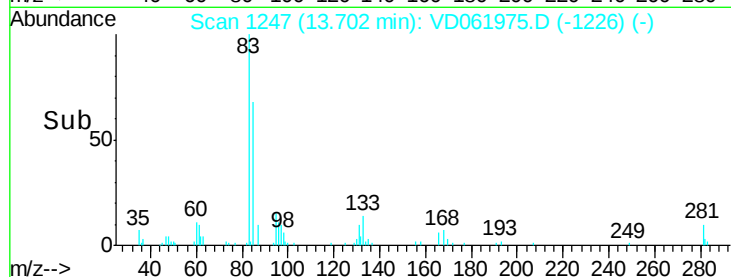
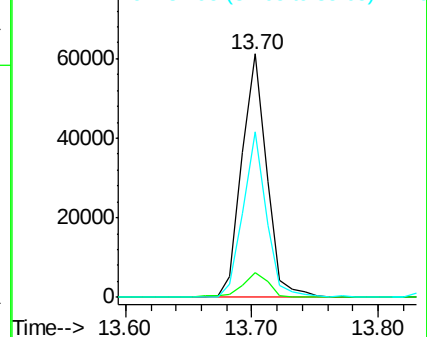
83 100

131 10.4 5.0 14.9

85 67.9 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.763 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061975.D

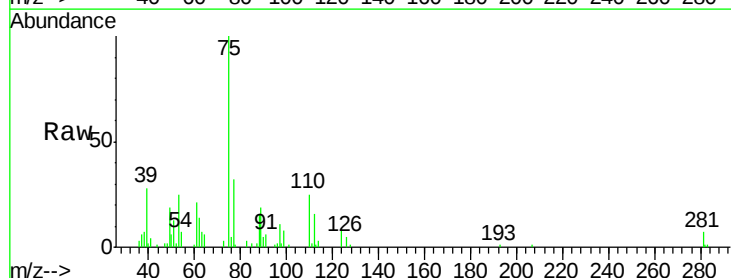
Acq: 23 Apr 2019 17:39

Tgt Ion: 75 Resp: 85089

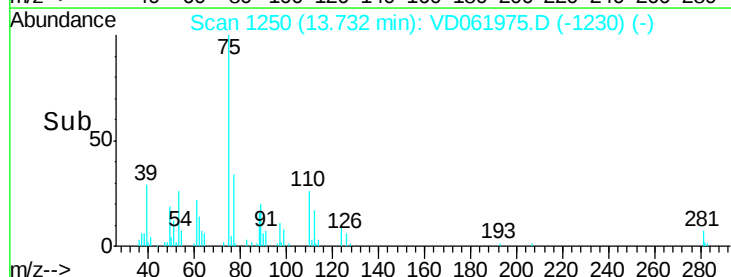
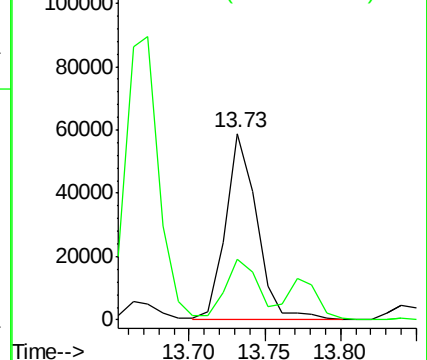
Ion Ratio Lower Upper

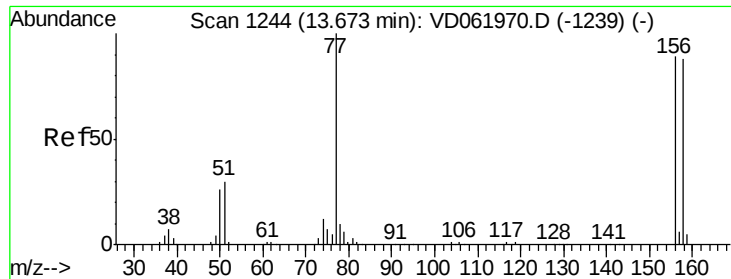
75 100

77 32.4 16.4 49.4



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





#77

Bromobenzene

Concen: 19.065 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

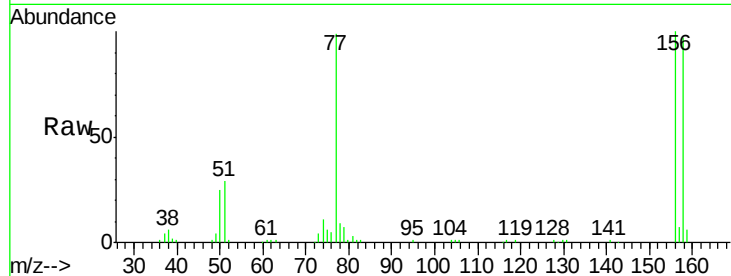
Tot Ion:156 Resp: 117735

Ion Ratio Lower Upper

156 100

77 98.8 53.1 159.4

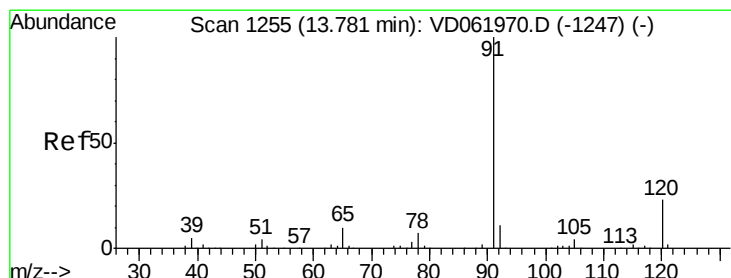
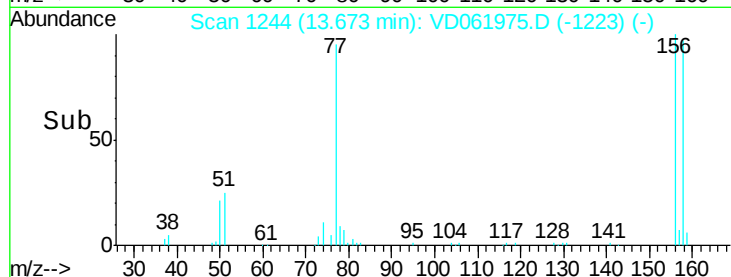
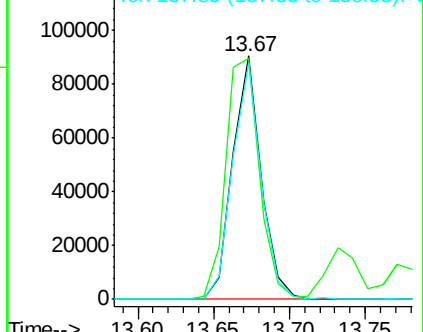
158 96.9 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.555 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061975.D

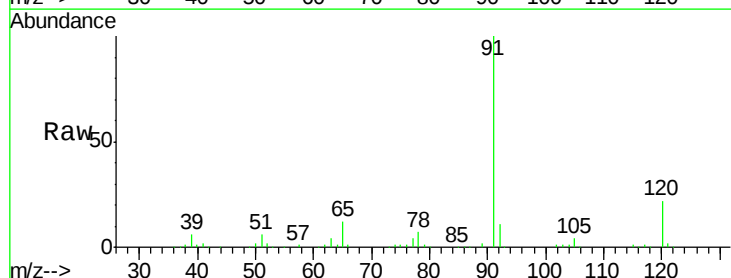
Acq: 23 Apr 2019 17:39

Tgt Ion: 91 Resp: 481917

Ion Ratio Lower Upper

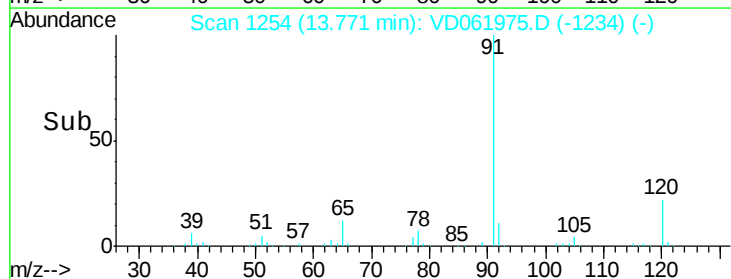
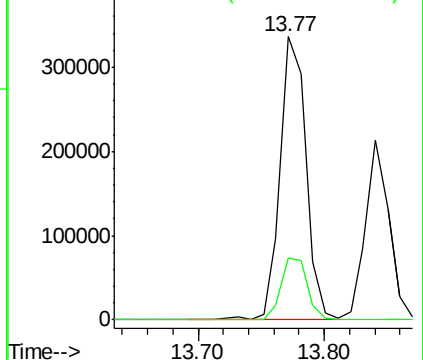
91 100

120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

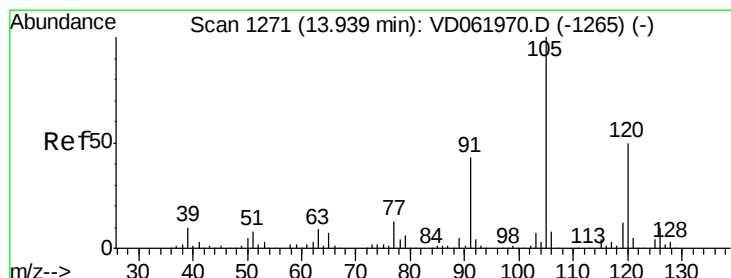
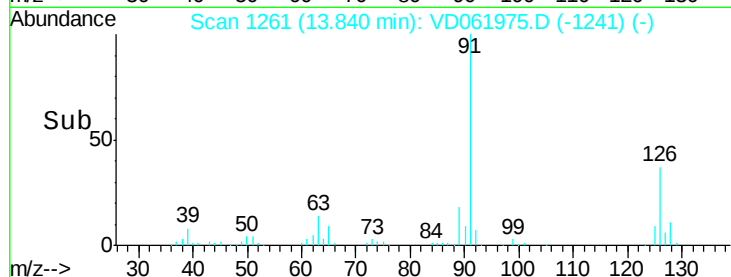
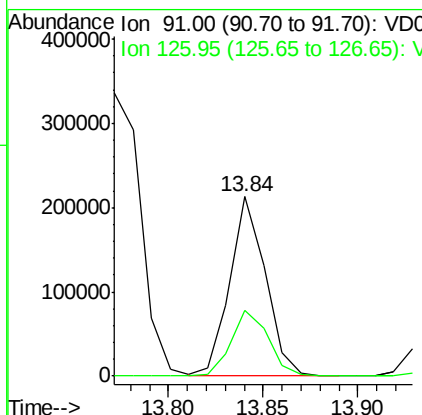
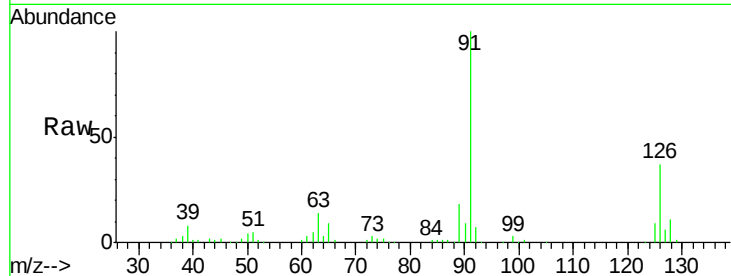




#79
 2-Chlorotoluene
 Concen: 18.548 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

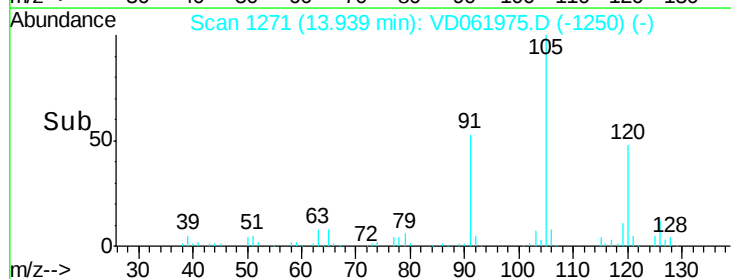
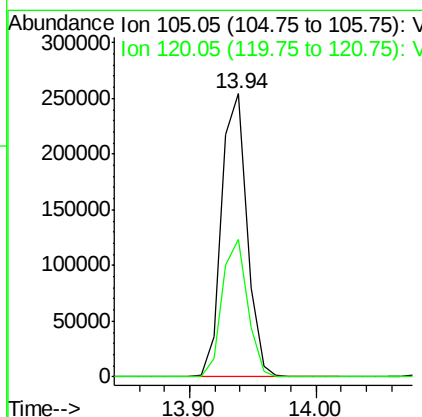
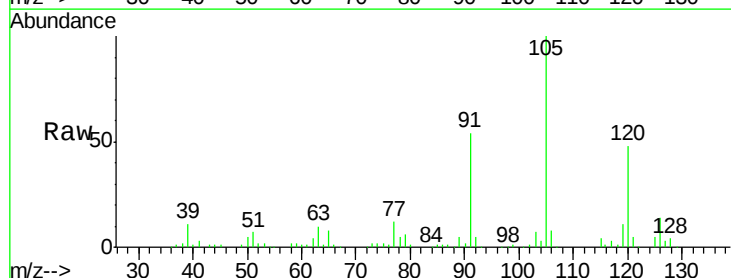
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

Tot Ion: 91 Resp: 276867
 Ion Ratio Lower Upper
 91 100
 126 37.0 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.732 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Tgt Ion: 105 Resp: 355860
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.090 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

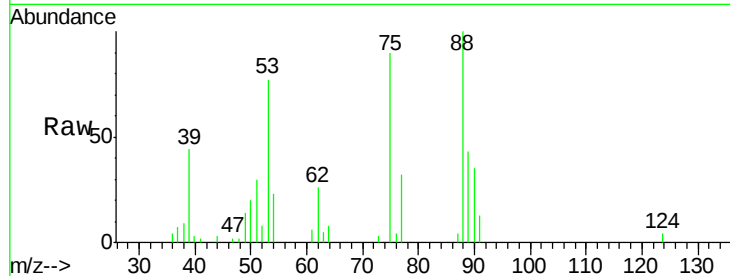
Tot Ion: 75 Resp: 23707

Ion Ratio Lower Upper

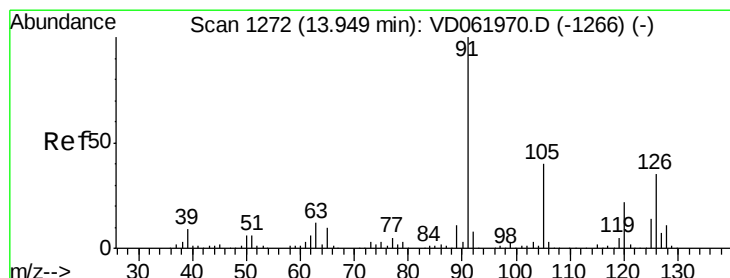
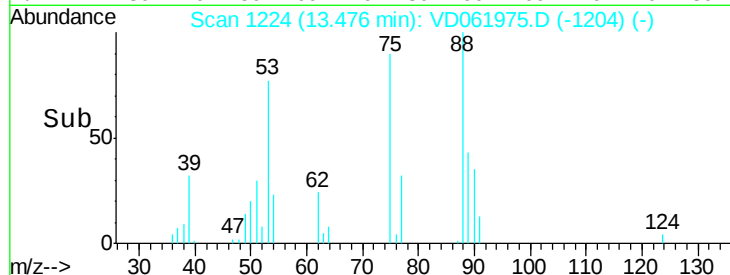
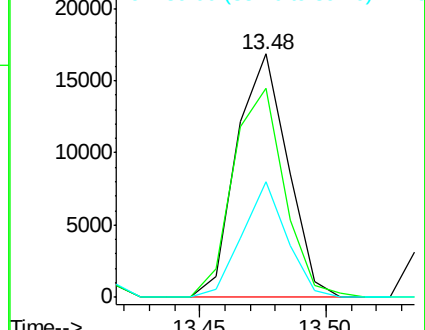
75 100

53 86.0 65.8 98.8

89 47.6 35.0 52.6



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: 20.611 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061975.D

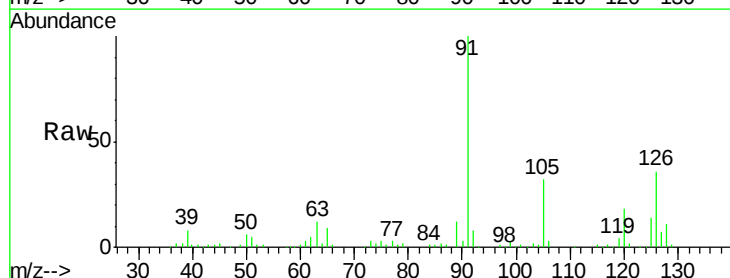
Acq: 23 Apr 2019 17:39

Tgt Ion: 91 Resp: 338818

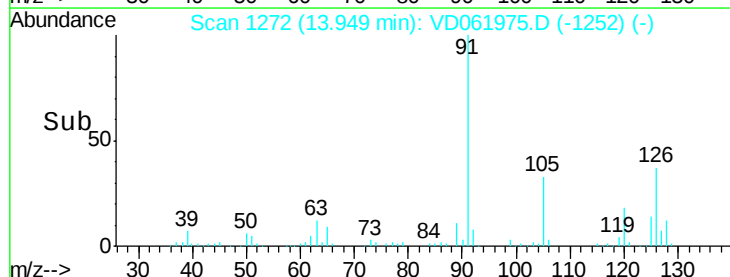
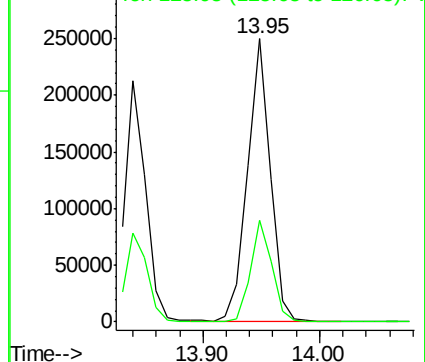
Ion Ratio Lower Upper

91 100

126 35.8 19.1 57.5



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

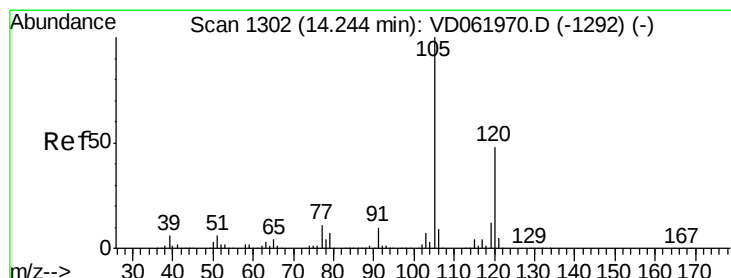
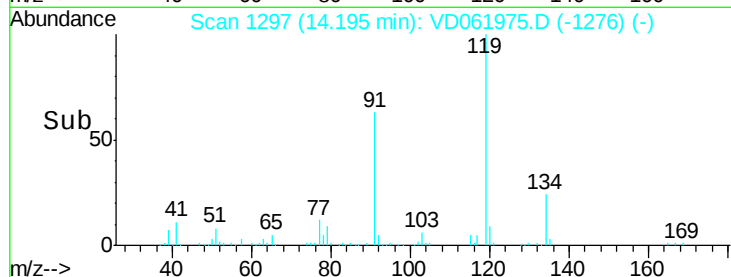
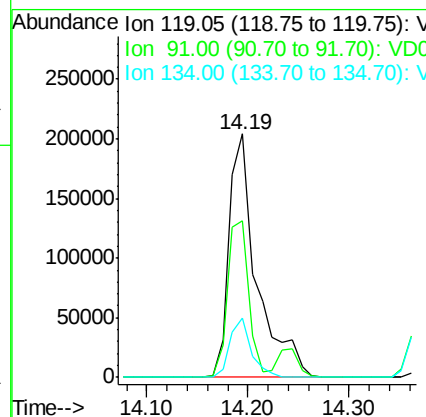
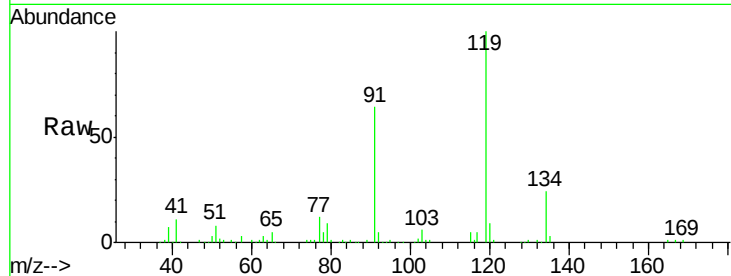




#83
tert-Butylbenzene
Concen: 19.665 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

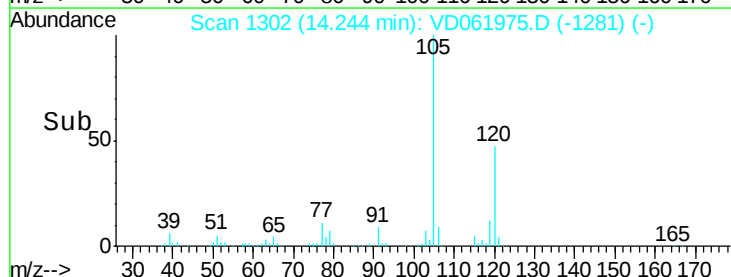
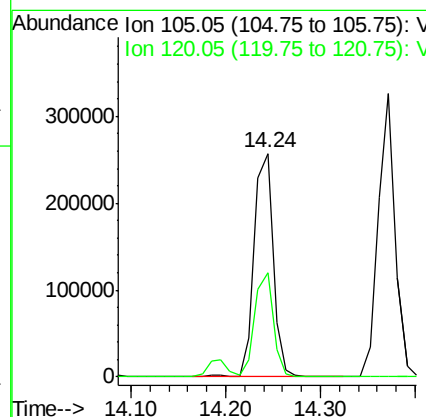
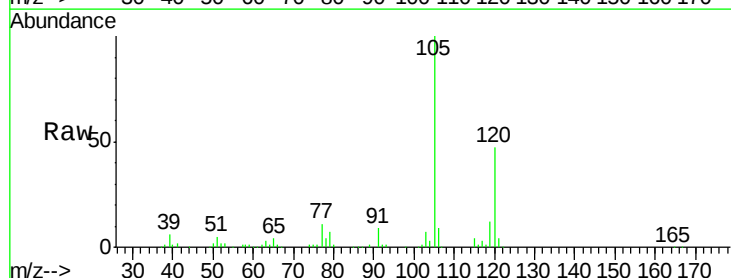
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

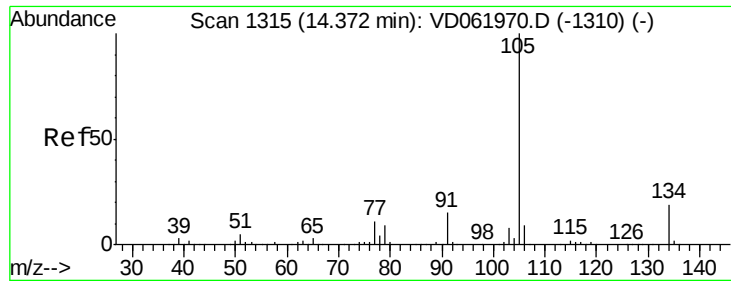
Tot Ion:119 Resp: 391037
Ion Ratio Lower Upper
119 100
91 64.1 34.2 102.6
134 24.1 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 21.985 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion:105 Resp: 360340
Ion Ratio Lower Upper
105 100
120 46.8 23.1 69.2

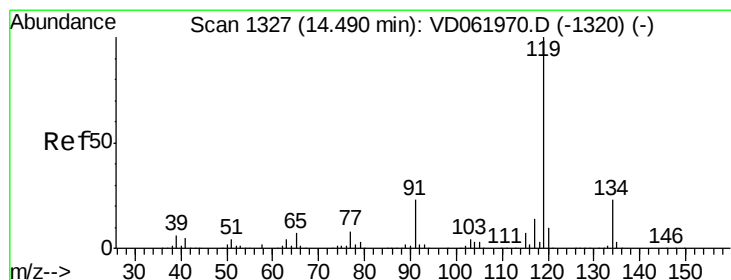
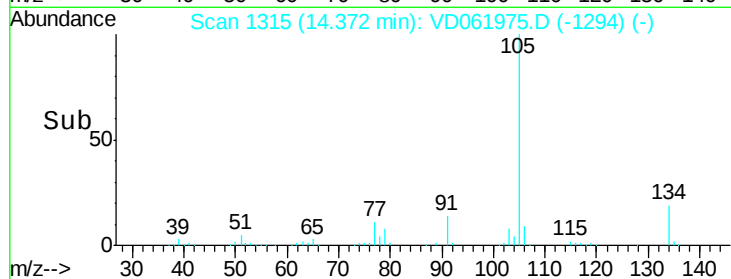
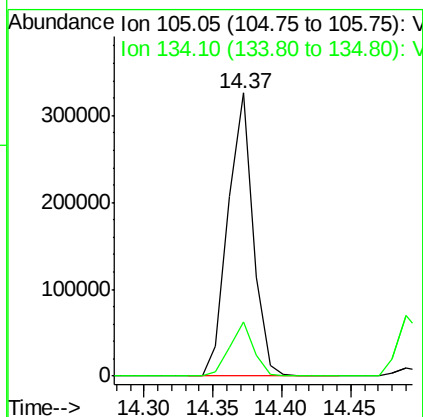
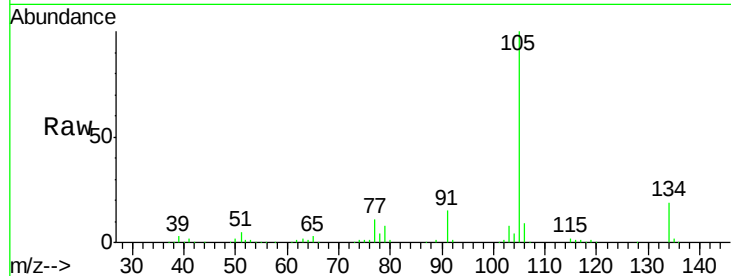




#85
 sec-Butylbenzene
 Concen: 19.234 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

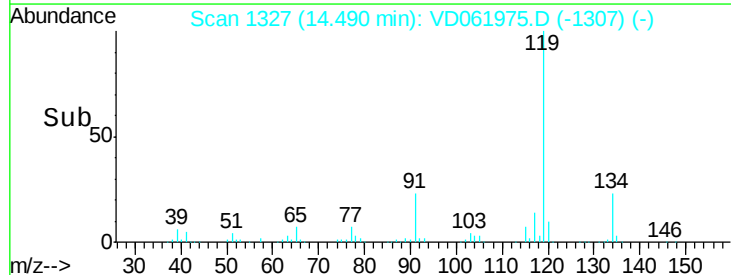
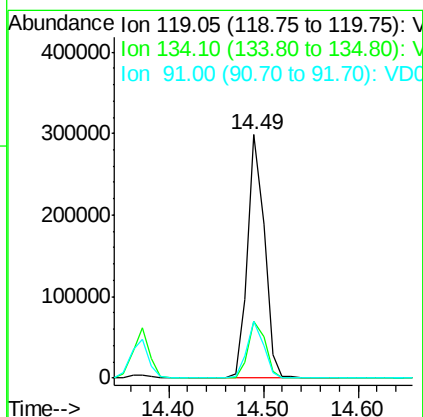
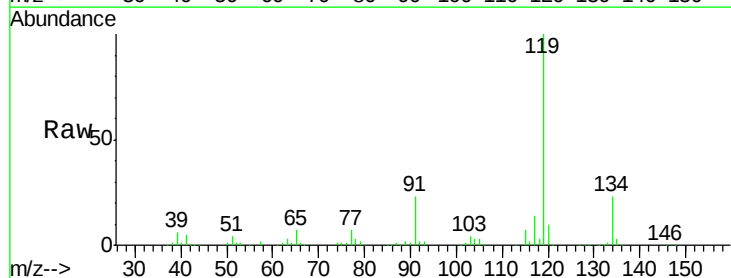
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

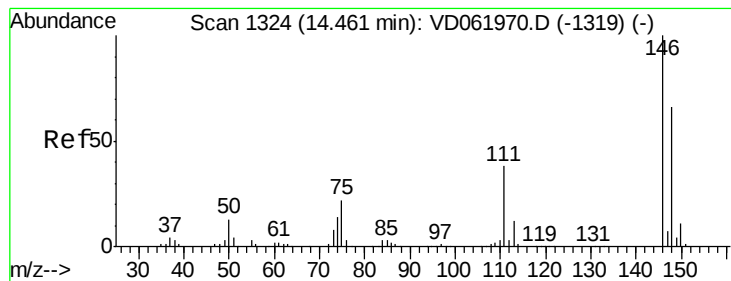
Tot Ion:105 Resp: 413244
 Ion Ratio Lower Upper
 105 100
 134 19.1 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 19.186 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Tgt Ion:119 Resp: 368927
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.8 38.3
 91 23.3 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 20.056 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

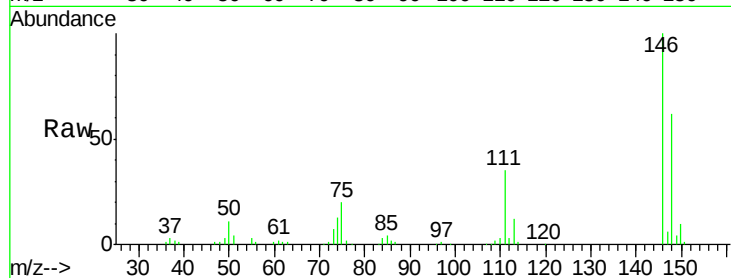
Tot Ion:146 Resp: 216891

Ion Ratio Lower Upper

146 100

111 35.1 20.0 60.0

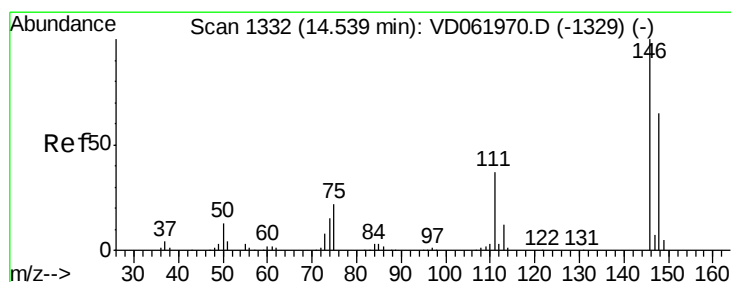
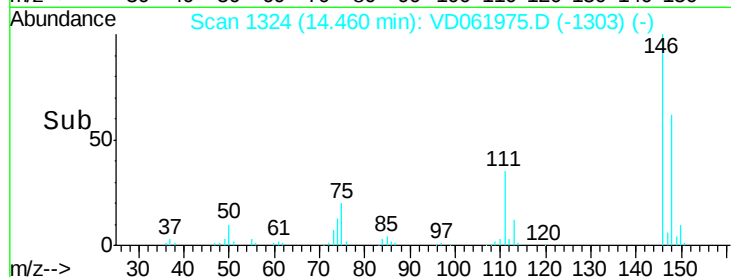
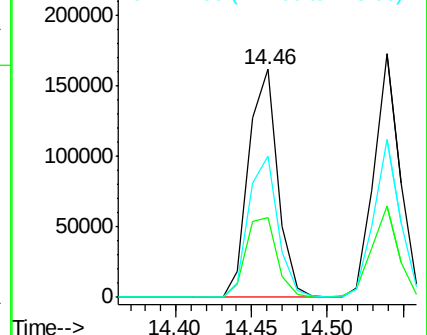
148 62.1 31.8 95.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.463 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

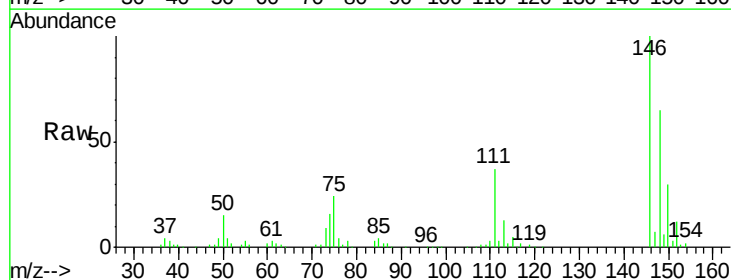
Tgt Ion:146 Resp: 206958

Ion Ratio Lower Upper

146 100

111 37.3 20.2 60.5

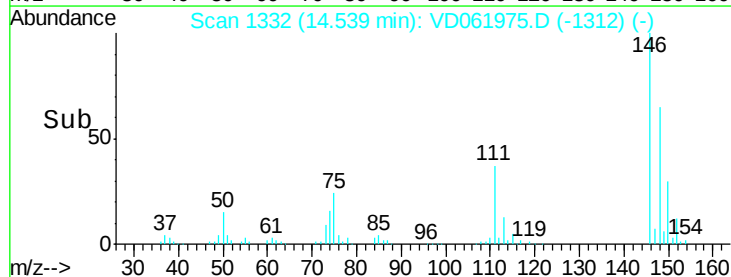
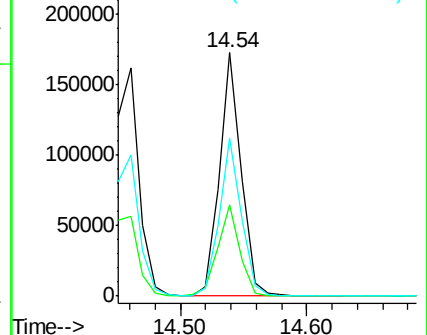
148 64.8 32.0 96.2

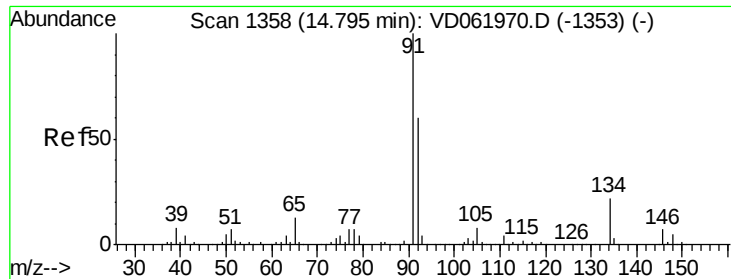


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.628 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061975.D

Acq: 23 Apr 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS01

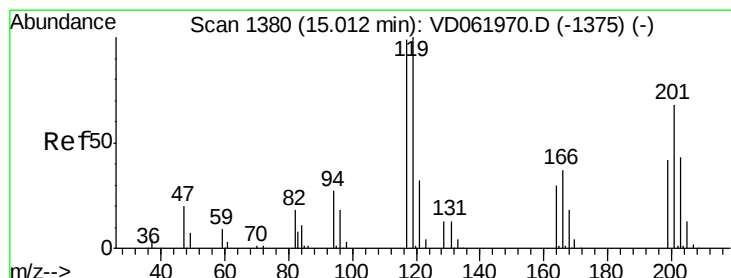
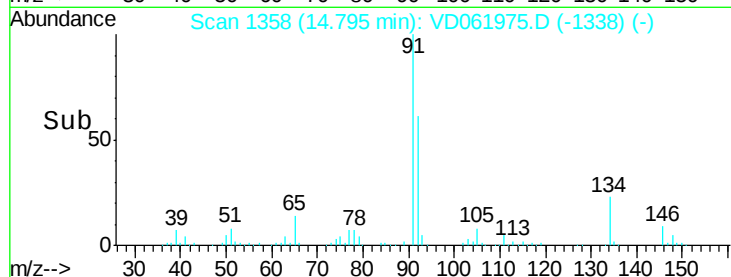
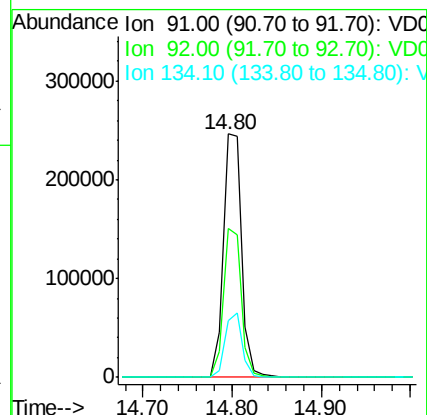
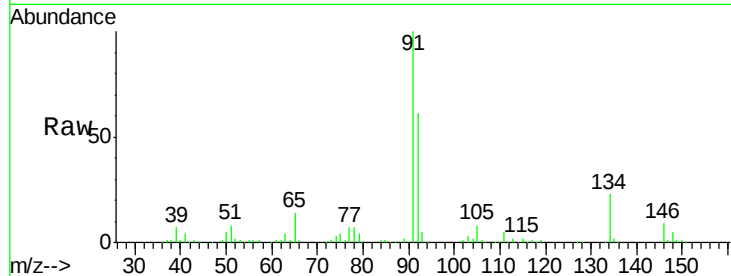
Tot Ion: 91 Resp: 356115

Ion Ratio Lower Upper

91 100

92 61.0 30.3 91.0

134 23.2 14.5 43.6



#90

Hexachloroethane

Concen: 20.808 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061975.D

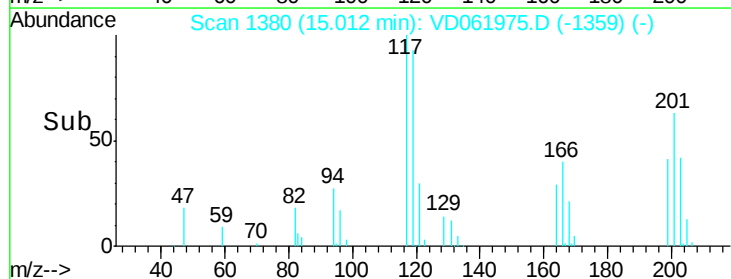
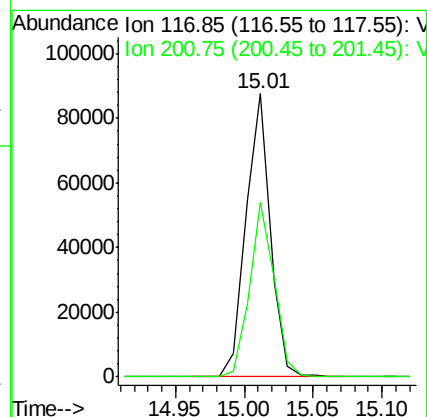
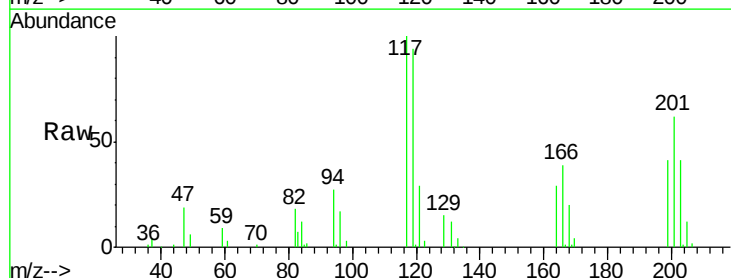
Acq: 23 Apr 2019 17:39

Tgt Ion: 117 Resp: 108192

Ion Ratio Lower Upper

117 100

201 61.6 30.2 90.6

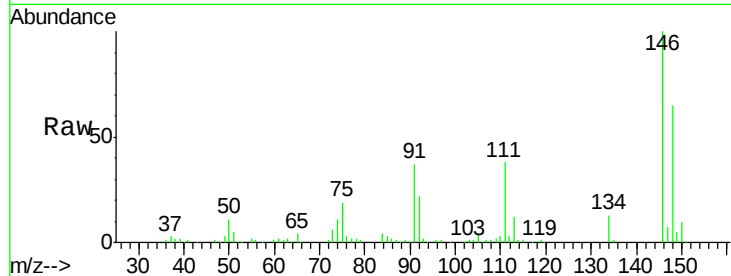




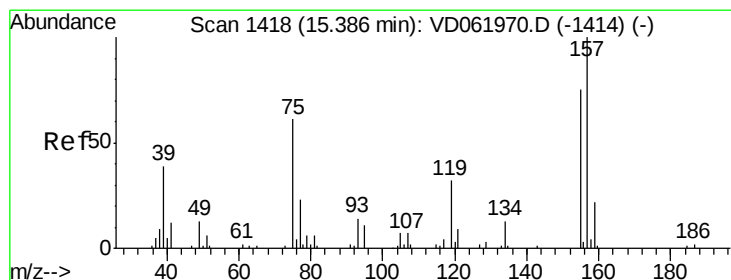
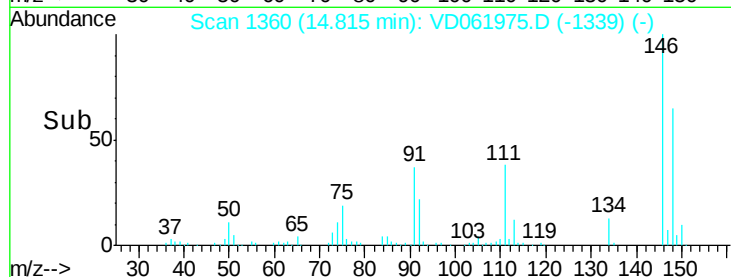
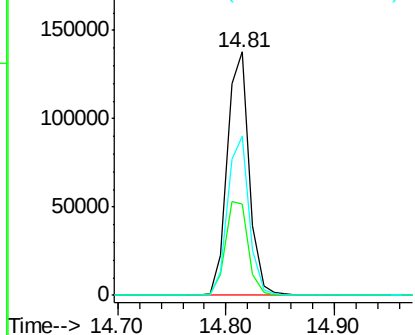
#91
 1,2-Dichlorobenzene
 Concen: 21.821 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

Tot Ion:146 Resp: 194662
 Ion Ratio Lower Upper
 146 100
 111 37.5 20.0 59.9
 148 65.1 32.3 96.8

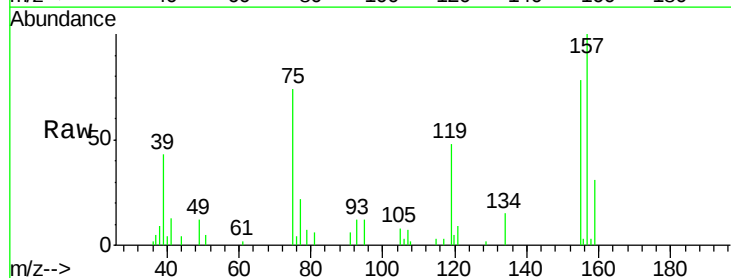


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

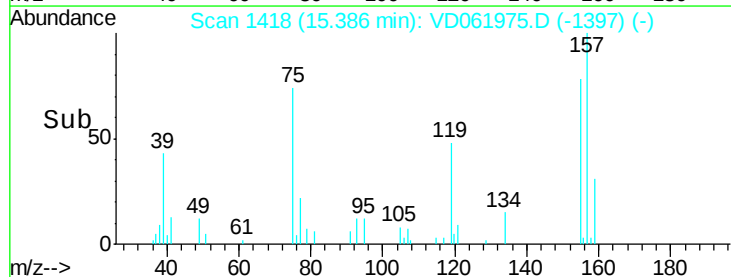
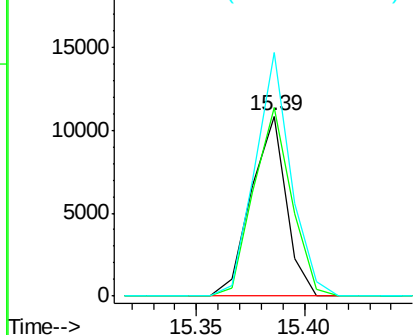


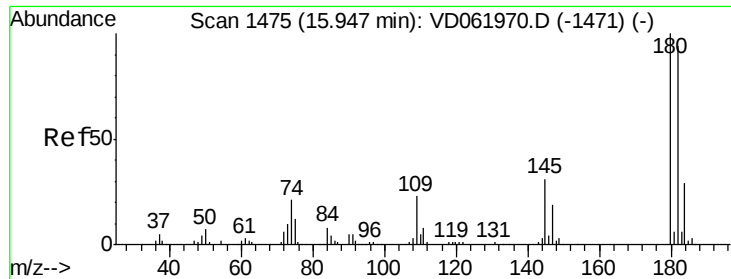
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.276 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Tgt Ion: 75 Resp: 12264
 Ion Ratio Lower Upper
 75 100
 155 105.0 55.3 165.8
 157 135.1 67.8 203.2



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

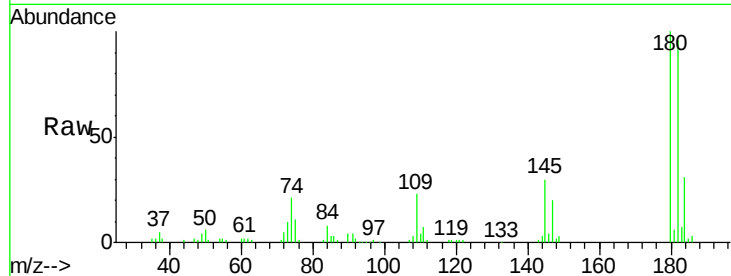




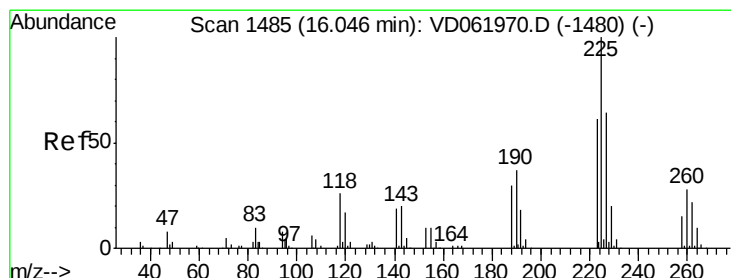
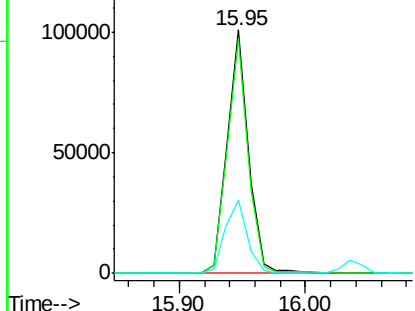
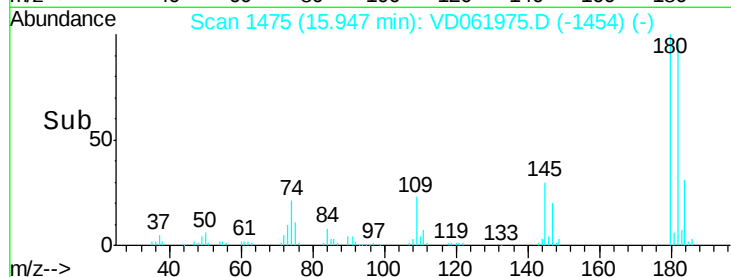
#93
 1,2,4-Trichlorobenzene
 Concen: 24.161 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	49.3	147.8
145	29.9	16.2	48.6

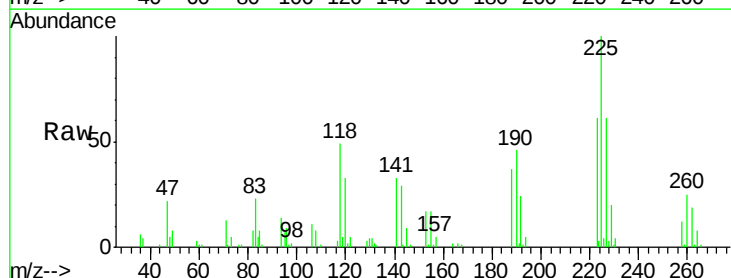


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

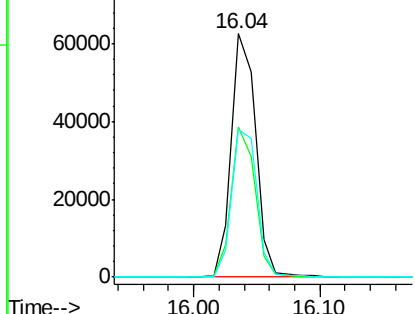
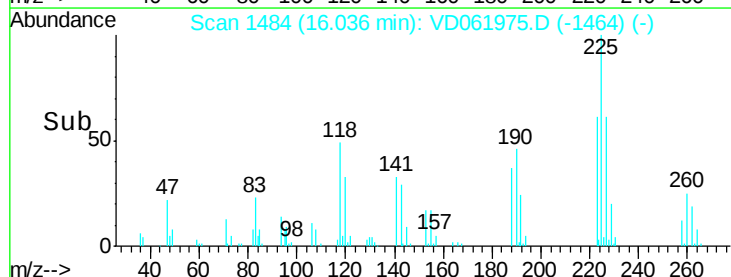


#94
 Hexachlorobutadiene
 Concen: 23.398 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061975.D
 Acq: 23 Apr 2019 17:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.6	92.0
227	60.8	32.0	96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

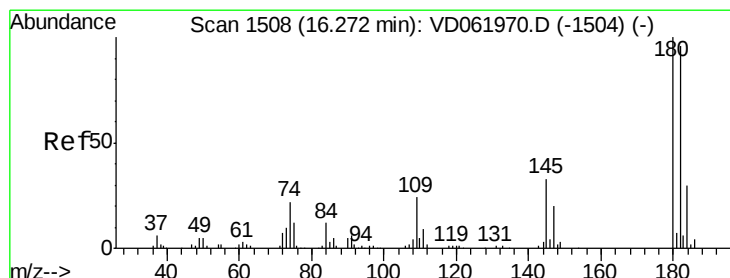
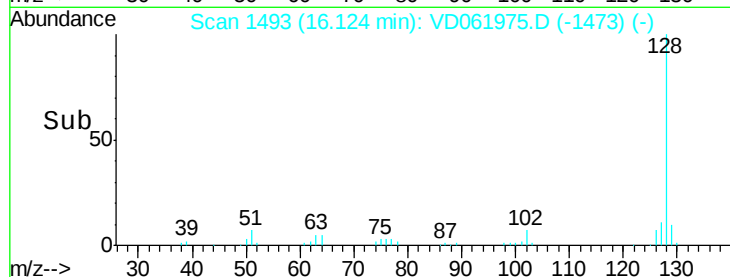
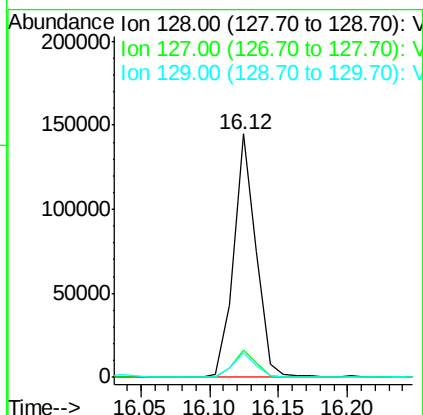
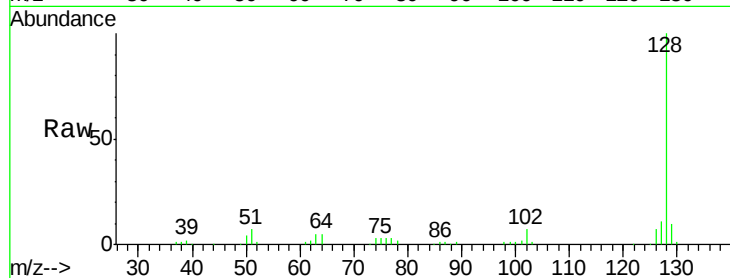




#95
Naphthalene
Concen: 21.121 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS01

Tot Ion:128 Resp: 164140
Ion Ratio Lower Upper
128 100
127 11.4 9.8 14.8
129 10.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.670 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061975.D
Acq: 23 Apr 2019 17:39

Tgt Ion:180 Resp: 72835
Ion Ratio Lower Upper
180 100
182 94.4 47.0 141.0
145 31.5 17.0 51.0

