

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061985.D
 Acq On : 24 Apr 2019 1:30
 Operator : VA/AP
 Sample : VD0423SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS02

Quant Time: Apr 24 03:52:31 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	7.06	168	564024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	890792	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	701665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	335542	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	225037	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.96%		
35) Dibromofluoromethane	6.94	113	346865	56.30	ug/l	0.00
Spiked Amount 50.000			Recovery =	112.60%		
50) Toluene-d8	10.42	98	800484	54.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.22%		
62) 4-Bromofluorobenzene	13.57	95	302095	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.76%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	92884	18.443	ug/l	98
3) Chloromethane	1.75	50	80304	18.760	ug/l	97
4) Vinyl Chloride	1.85	62	66829	17.225	ug/l	95
5) Bromomethane	2.16	94	19567	16.587	ug/l	97
6) Chloroethane	2.26	64	23363	16.659	ug/l	94
7) Trichlorofluoromethane	2.53	101	115654	19.716	ug/l	100
8) Diethyl Ether	2.88	74	31989	20.347	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	109804	20.320	ug/l	99
10) Methyl Iodide	3.32	142	122407	18.683	ug/l	99
11) Tert butyl alcohol	4.08	59	26129	104.761	ug/l	100
12) 1,1-Dichloroethene	3.14	96	88620	19.276	ug/l	93
13) Acrolein	3.04	56	27102	104.728	ug/l	85
14) Allyl chloride	3.63	41	122048	19.441	ug/l	96
15) Acrylonitrile	4.20	53	81032	104.920	ug/l	96
16) Acetone	3.24	43	83938	79.636	ug/l	99
17) Carbon Disulfide	3.39	76	253781	19.103	ug/l	99
18) Methyl Acetate	3.65	43	45988	22.885	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	184953	20.276	ug/l	96
20) Methylene Chloride	3.83	84	106485	18.760	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	102928	19.516	ug/l	98
22) Diisopropyl ether	5.13	45	302808	20.660	ug/l	94
23) Vinyl Acetate	5.07	43	830192	108.767	ug/l	99
24) 1,1-Dichloroethane	5.00	63	173190	19.550	ug/l	96
25) 2-Butanone	6.07	43	132210	103.457	ug/l	100
26) 2,2-Dichloropropane	6.03	77	154942	20.049	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	135863	22.644	ug/l	94
28) Bromochloromethane	6.46	49	79771	23.534	ug/l	100
29) Tetrahydrofuran	6.47	42	71458	113.486	ug/l	99
30) Chloroform	6.68	83	209020	20.773	ug/l	100
31) Cyclohexane	6.97	56	131303	19.969	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	186745	21.331	ug/l	96
36) 1,1-Dichloropropene	7.16	75	142221	20.492	ug/l	96
37) Ethyl Acetate	6.20	43	69776	23.593	ug/l #	93
38) Carbon Tetrachloride	7.13	117	181021	20.584	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	146132	21.341	ug/l	99
40) Benzene	7.47	78	344685	20.061	ug/l	99
41) Methacrylonitrile	6.46	41	78869	22.856	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	125080	21.441	ug/l	97
43) Isopropyl Acetate	9.25	43	82521	19.096	ug/l	96
44) Trichloroethene	8.55	130	136261	20.456	ug/l	94
45) 1,2-Dichloropropane	8.95	63	86374	19.816	ug/l	98
46) Dibromomethane	9.08	93	66463	21.191	ug/l	97
47) Bromodichloromethane	9.39	83	156436	21.109	ug/l	97
48) Methyl methacrylate	9.14	41	54474	22.094	ug/l	94
49) 1,4-Dioxane	9.10	88	12043	453.061	ug/l	98
51) 4-Methyl-2-Pentanone	10.32	43	301847	114.218	ug/l	100
52) Toluene	10.52	92	212730	19.418	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	121534	19.538	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	163037	21.549	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	76971	20.928	ug/l	95
56) Ethyl methacrylate	11.05	69	82901	20.352	ug/l	99
57) 1,3-Dichloropropane	11.42	76	112615	19.825	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.86	63	256108	135.231	ug/l	99
59) 2-Hexanone	11.54	43	203817	102.812	ug/l	98
60) Dibromochloromethane	11.69	129	129595	21.295	ug/l	100
61) 1,2-Dibromoethane	11.81	107	94318	21.618	ug/l	96
64) Tetrachloroethene	11.27	164	107658	21.509	ug/l	97
65) Chlorobenzene	12.40	112	287567	21.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	126153	22.431	ug/l	96
67) Ethyl Benzene	12.53	91	442578	20.451	ug/l	99
68) m/p-Xylenes	12.68	106	322360	41.214	ug/l	95
69) o-Xylene	13.05	106	150567	21.039	ug/l	92
70) Styrene	13.08	104	260322	21.066	ug/l	97
71) Bromoform	13.24	173	75813	23.644	ug/l	97
73) Isopropylbenzene	13.41	105	440019	19.659	ug/l	99
74) N-amyl acetate	13.27	43	117610	20.403	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	97112	22.140	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	97963	22.991	ug/l	96
77) Bromobenzene	13.67	156	119580	18.623	ug/l	84
78) n-propylbenzene	13.78	91	494937	19.316	ug/l	99
79) 2-Chlorotoluene	13.85	91	303657	19.565	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	377280	21.139	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	23407	18.128	ug/l	90
82) 4-Chlorotoluene	13.96	91	359077	21.008	ug/l	99
83) tert-Butylbenzene	14.20	119	400503	19.371	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	335059	19.662	ug/l	99
85) sec-Butylbenzene	14.37	105	380040	17.012	ug/l	100
86) p-Isopropyltoluene	14.50	119	374841	18.748	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	204333	18.172	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	195481	18.590	ug/l	99
89) n-Butylbenzene	14.81	91	328784	18.317	ug/l	96
90) Hexachloroethane	15.01	117	101662	18.804	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	199092	21.465	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.39	75	11334	19.204	ug/l	84

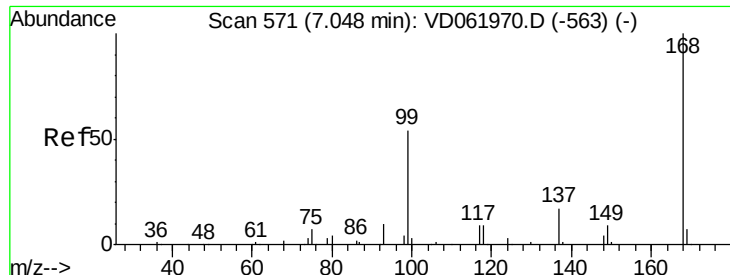
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042319\
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QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	94437	18.870	ug/l	94
94) Hexachlorobutadiene	16.05	225	61392	16.577	ug/l	98
95) Naphthalene	16.13	128	152617	18.887	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	66539	23.433	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

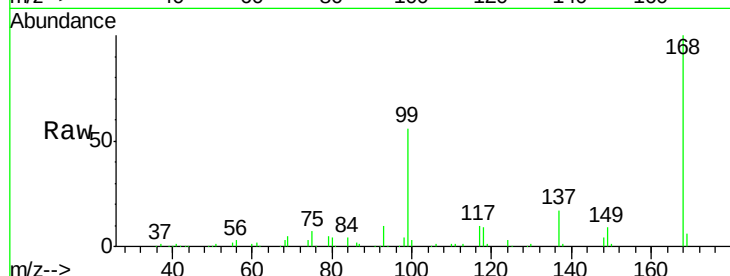
VD0423SBS02

Tot Ion:168 Resp: 564024

Ion Ratio Lower Upper

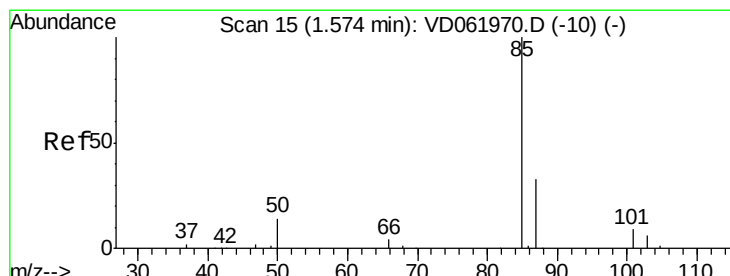
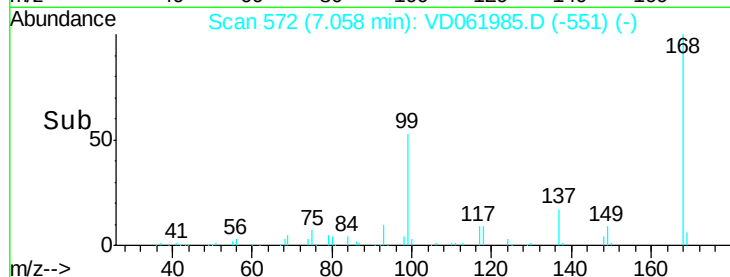
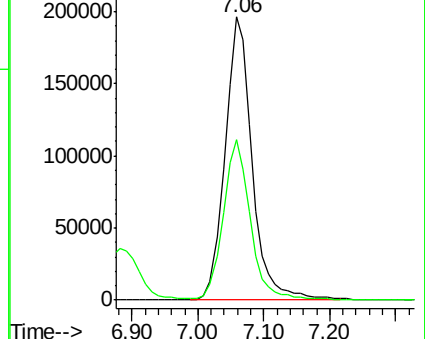
168 100

99 56.5 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: 18.443 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.00 min

Lab File: VD061985.D

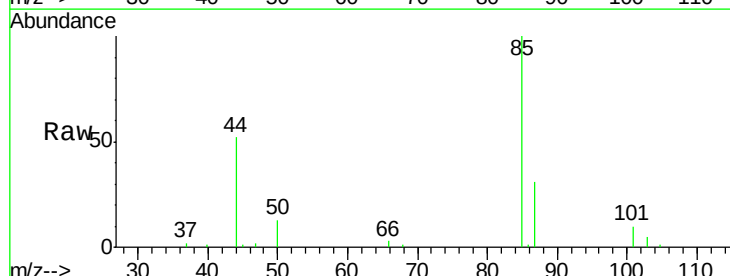
Acq: 24 Apr 2019 1:30

Tgt Ion: 85 Resp: 92884

Ion Ratio Lower Upper

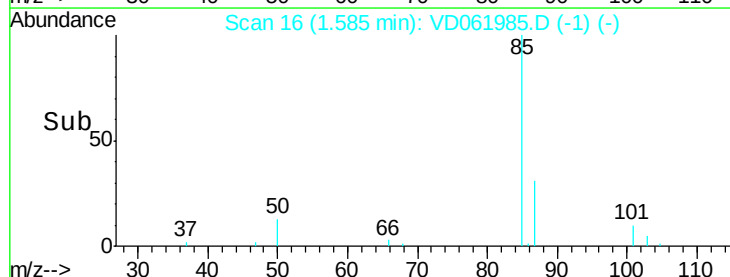
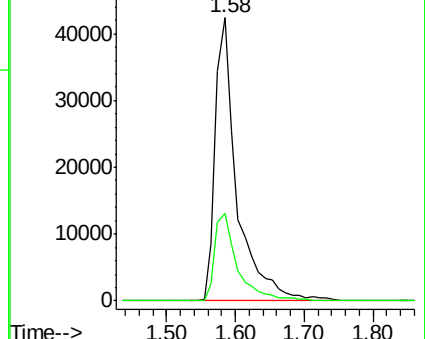
85 100

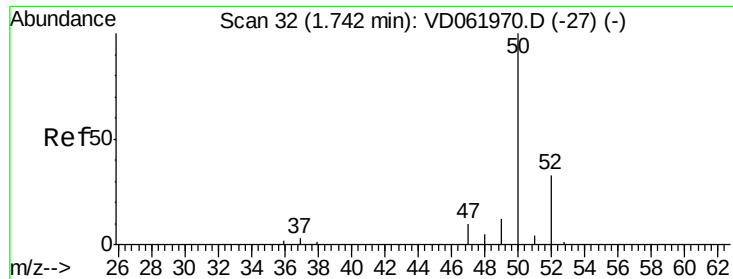
87 31.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

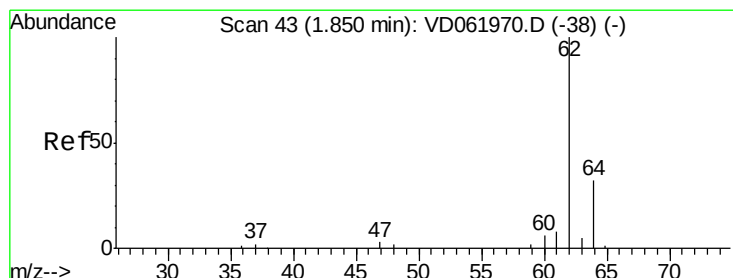
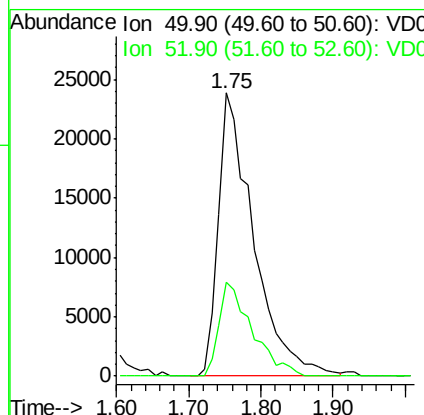
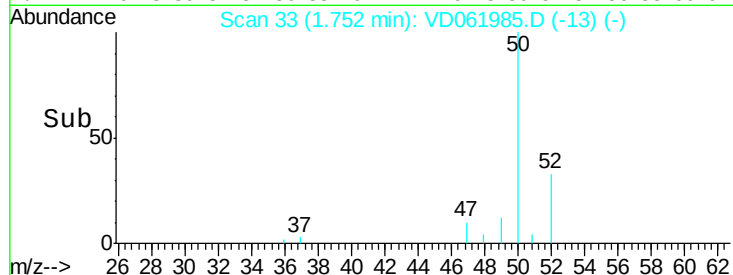
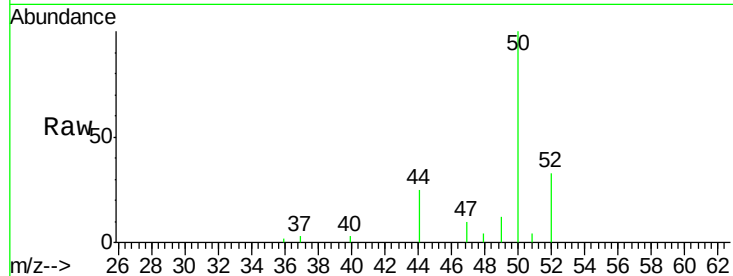




#3
 Chloromethane
 Concen: 18.760 ug/l
 RT: 1.75 min Scan# 33
 Delta R.T. -0.00 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

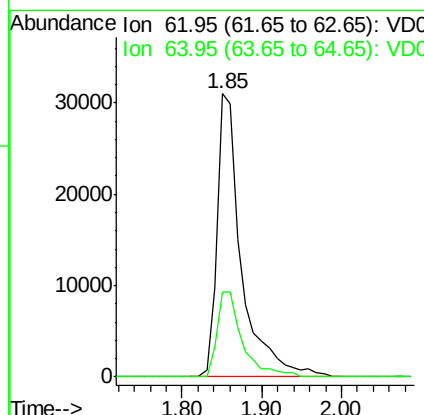
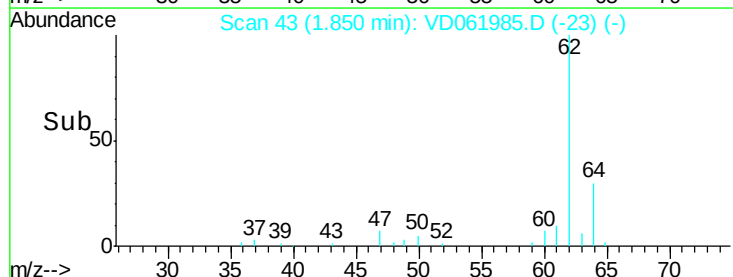
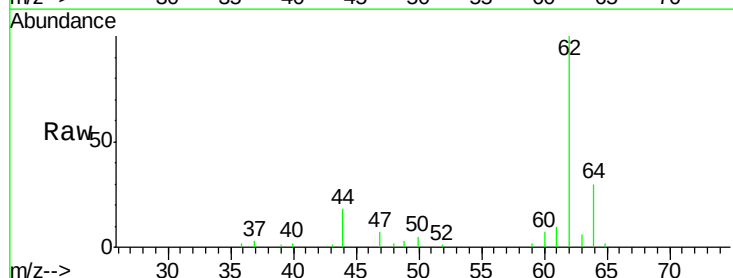
Instrument :
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 VD0423SBS02

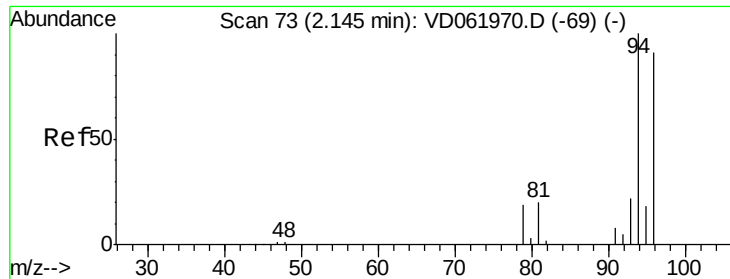
Tot Ion: 50 Resp: 80304
 Ion Ratio Lower Upper
 50 100
 52 33.1 25.2 37.8



#4
 Vinyl Chloride
 Concen: 17.225 ug/l
 RT: 1.85 min Scan# 43
 Delta R.T. -0.00 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Tgt Ion: 62 Resp: 66829
 Ion Ratio Lower Upper
 62 100
 64 30.2 26.5 39.7





#5

Bromomethane

Concen: 16.587 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

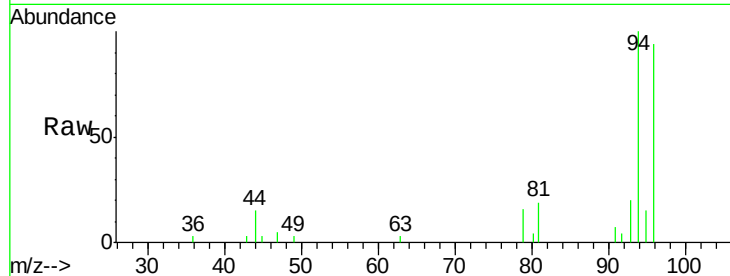
Tot Ion: 94 Resp: 19567

Ion Ratio Lower Upper

94 100

96 94.0 76.6 115.0

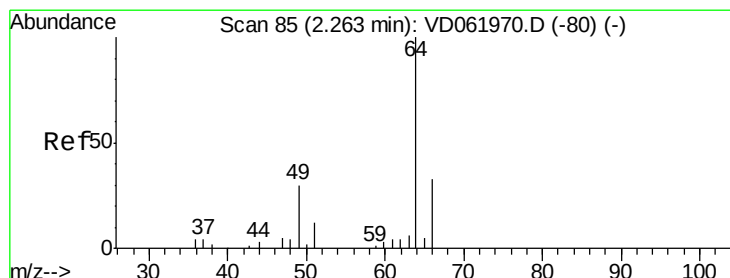
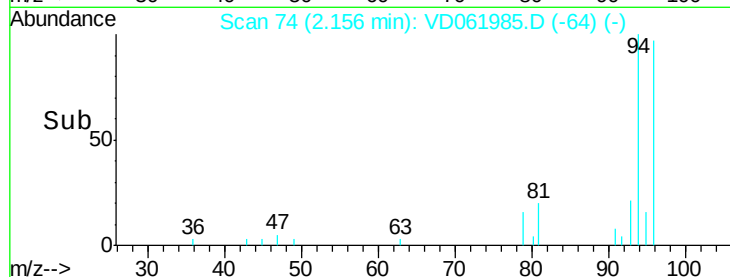
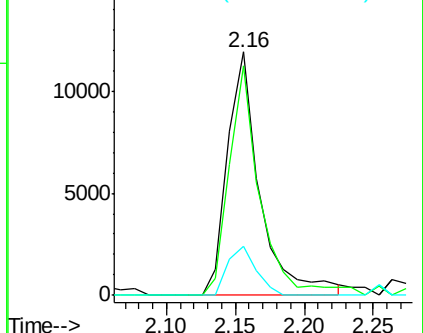
93 20.0 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 16.659 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061985.D

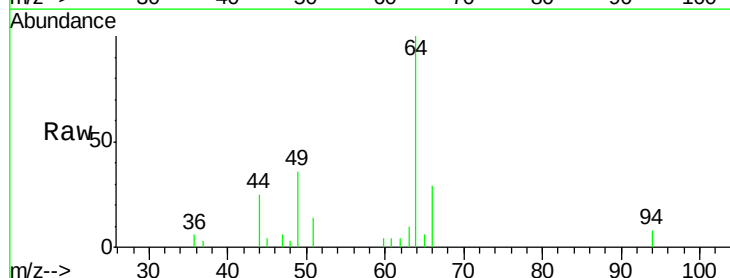
Acq: 24 Apr 2019 1:30

Tgt Ion: 64 Resp: 23363

Ion Ratio Lower Upper

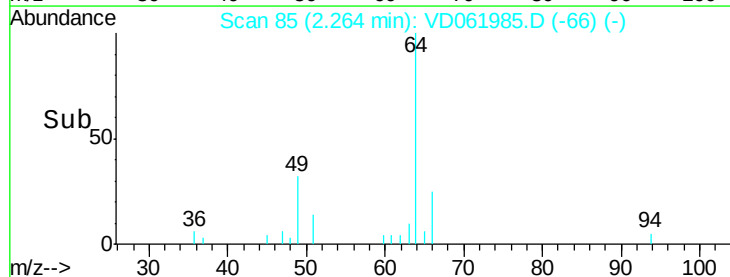
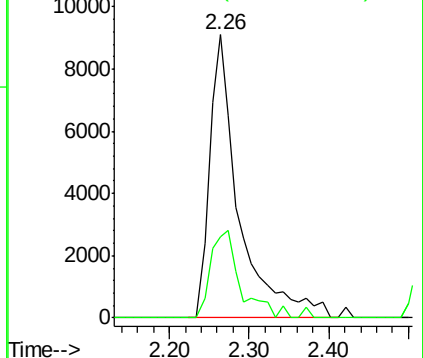
64 100

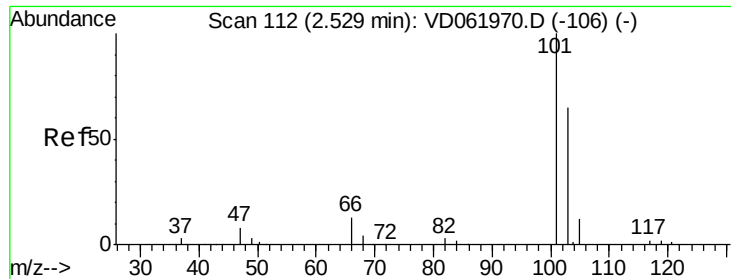
66 28.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



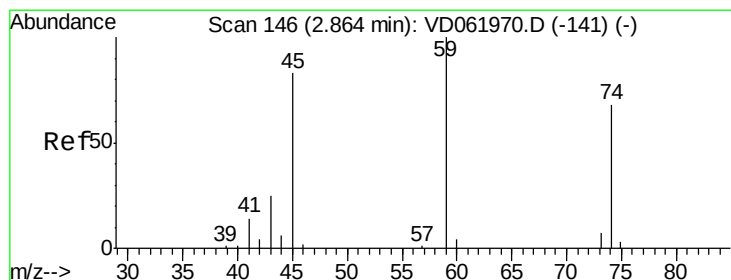
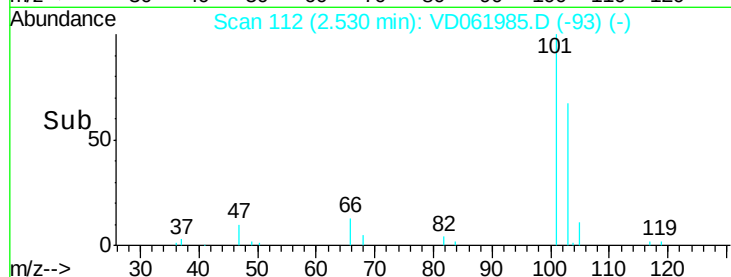
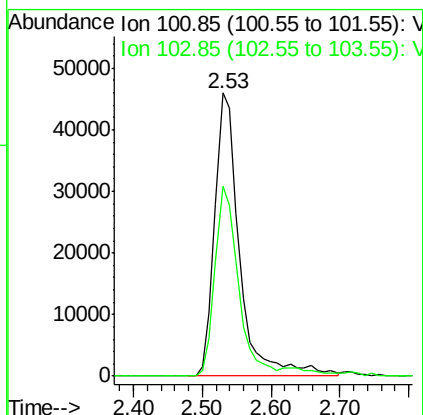
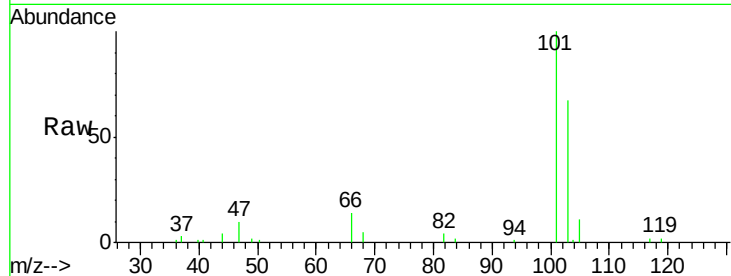


#7

Trichlorofluoromethane
 Concen: 19.716 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

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 VD0423SBS02

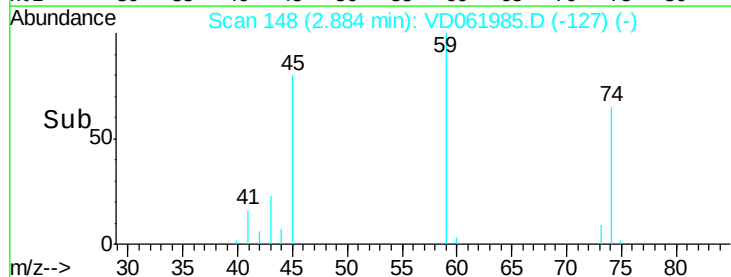
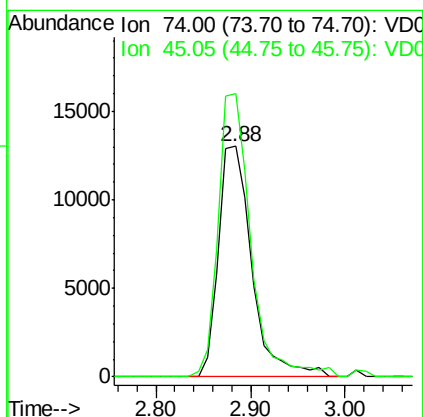
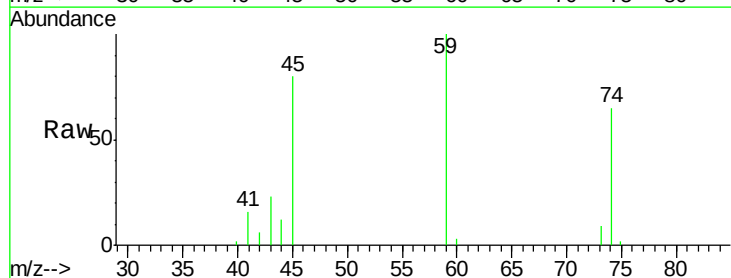
Tot Ion:101 Resp: 115654
 Ion Ratio Lower Upper
 101 100
 103 67.0 53.6 80.4

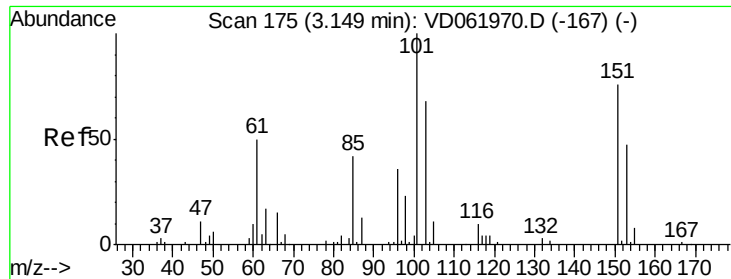


#8

Diethyl Ether
 Concen: 20.347 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Tgt Ion: 74 Resp: 31989
 Ion Ratio Lower Upper
 74 100
 45 122.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.320 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

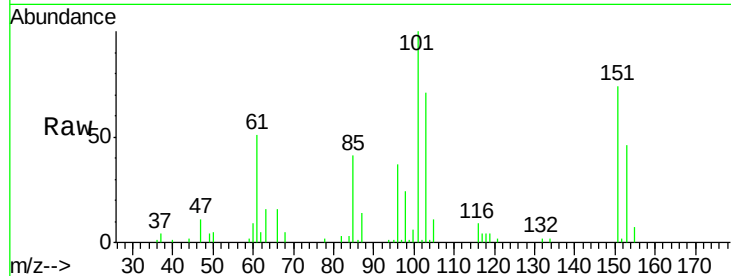
Tot Ion:101 Resp: 109804

Ion Ratio Lower Upper

101 100

85 41.2 32.4 48.6

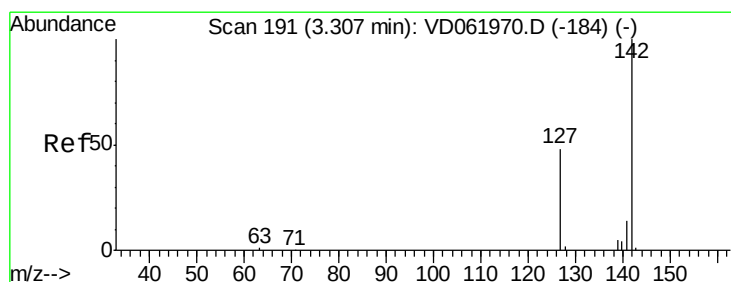
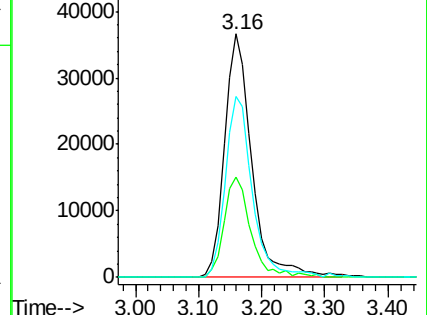
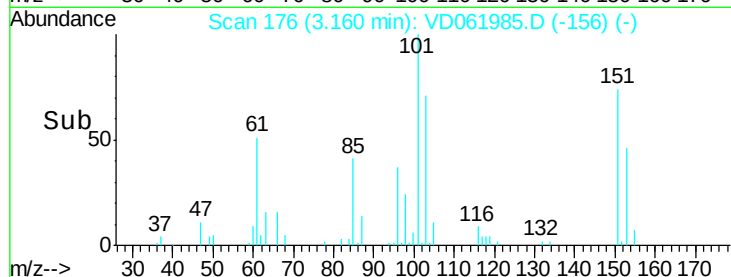
151 74.3 59.4 89.0



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: 18.683 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

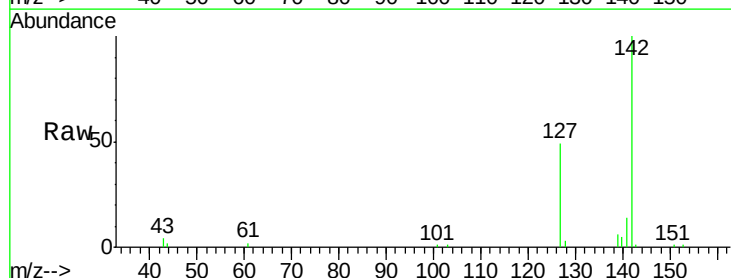
Tgt Ion:142 Resp: 122407

Ion Ratio Lower Upper

142 100

127 49.3 38.8 58.2

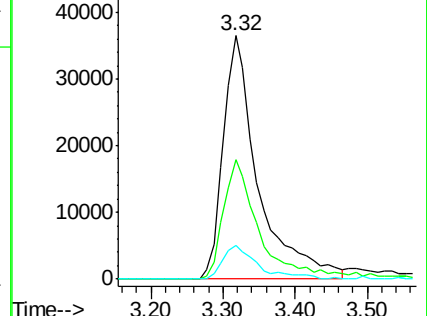
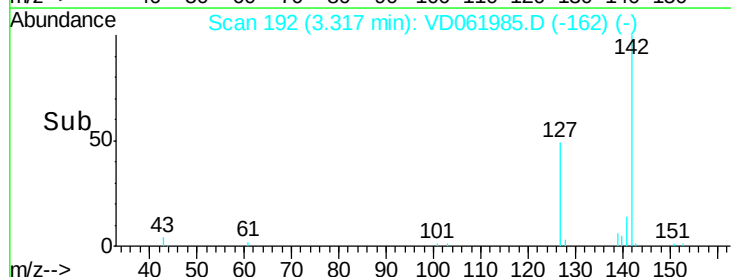
141 13.6 11.4 17.0

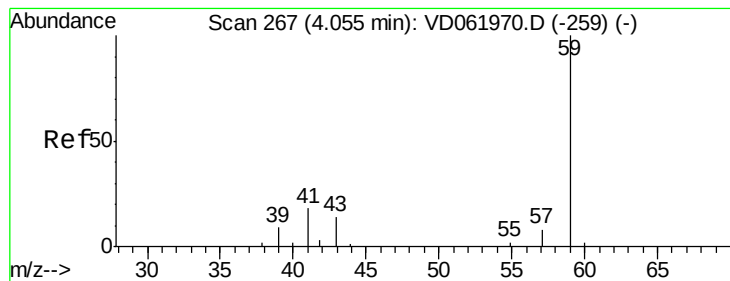


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



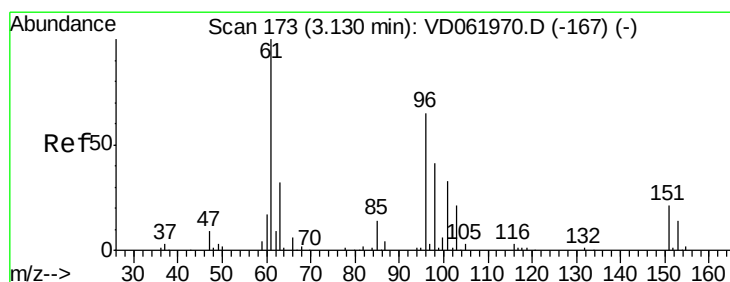
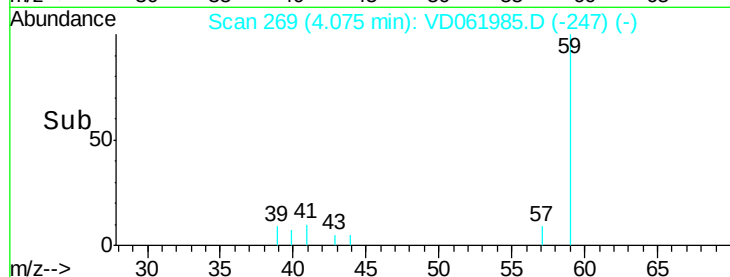
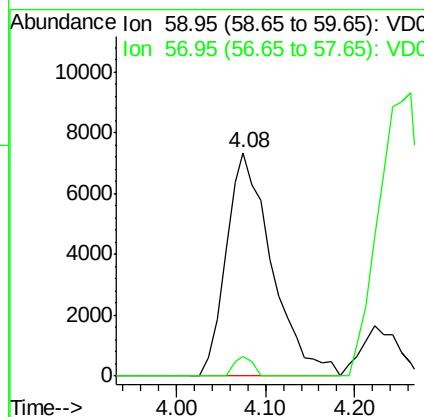
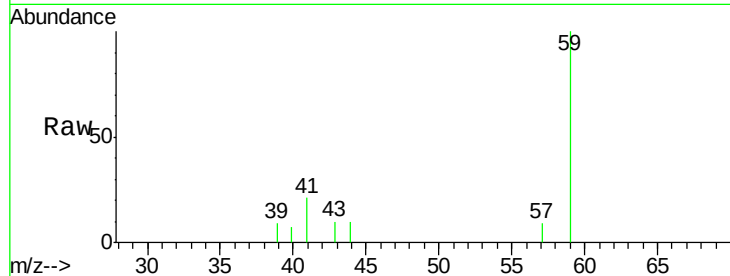


#11

Tert butyl alcohol
 Concen: 104.761 ug/l
 RT: 4.08 min Scan# 269
 Delta R.T. 0.02 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS02

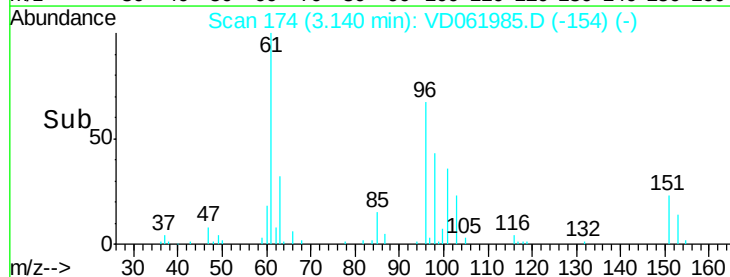
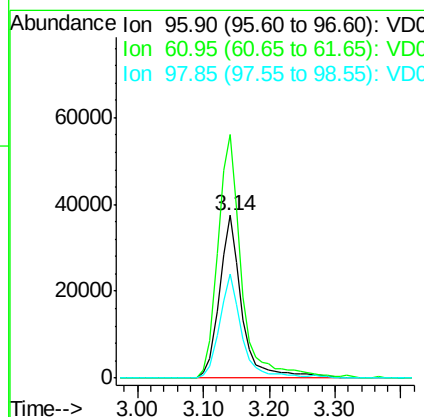
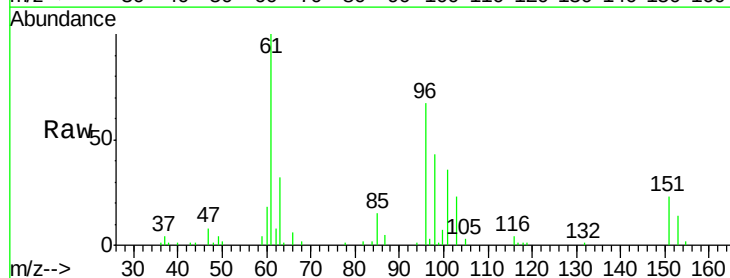
Tot Ion: 59 Resp: 26129
 Ion Ratio Lower Upper
 59 100
 57 8.7 6.9 10.3

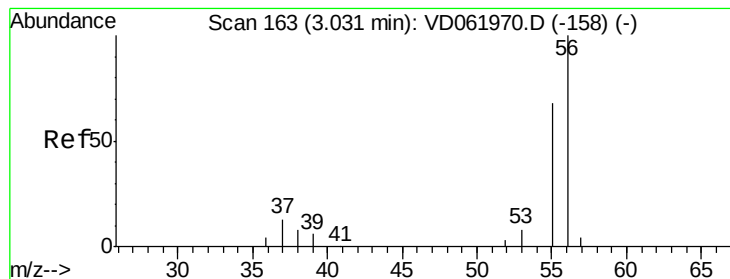


#12

1,1-Dichloroethene
 Concen: 19.276 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. -0.00 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Tgt Ion: 96 Resp: 88620
 Ion Ratio Lower Upper
 96 100
 61 149.9 129.8 194.8
 98 64.2 51.2 76.8





#13

Acrolein

Concen: 104.728 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

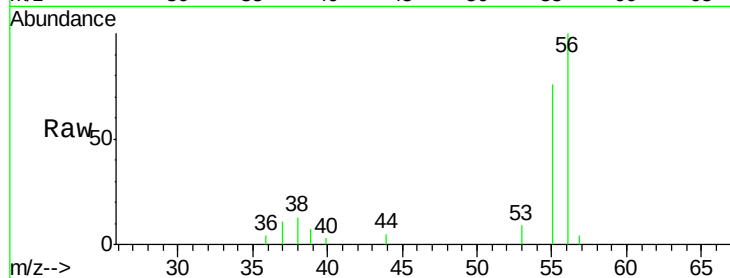
VD0423SBS02

Tot Ion: 56 Resp: 27102

Ion Ratio Lower Upper

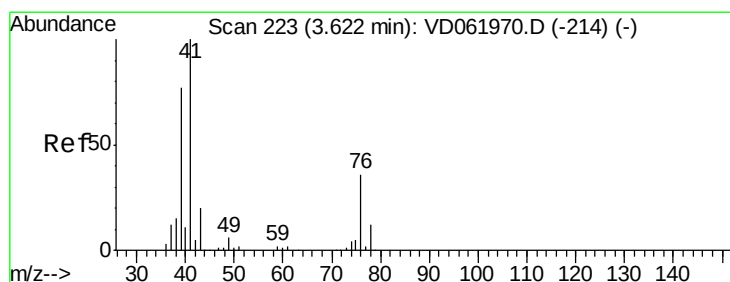
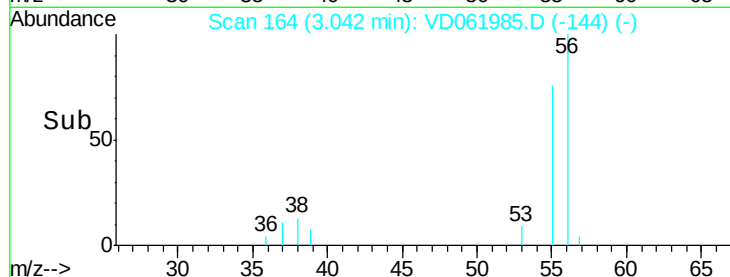
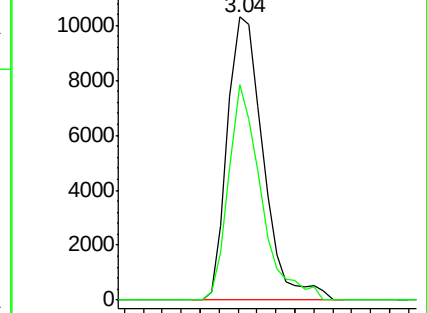
56 100

55 76.1 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: 19.441 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

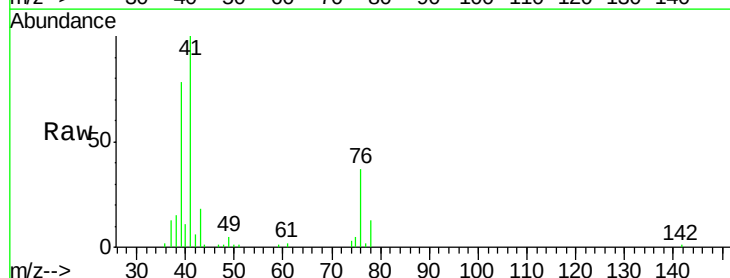
Tgt Ion: 41 Resp: 122048

Ion Ratio Lower Upper

41 100

39 78.1 60.5 90.7

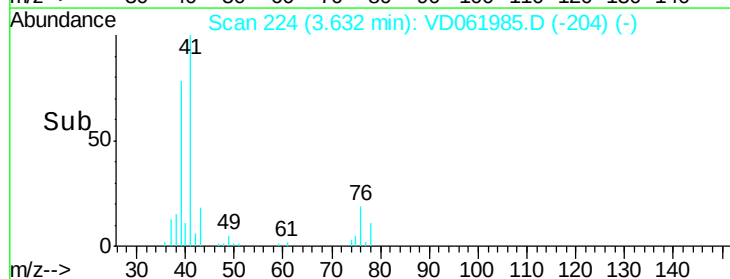
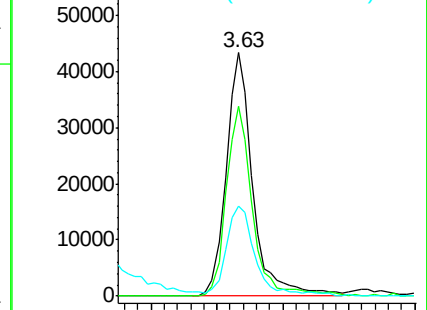
76 36.9 31.8 47.8

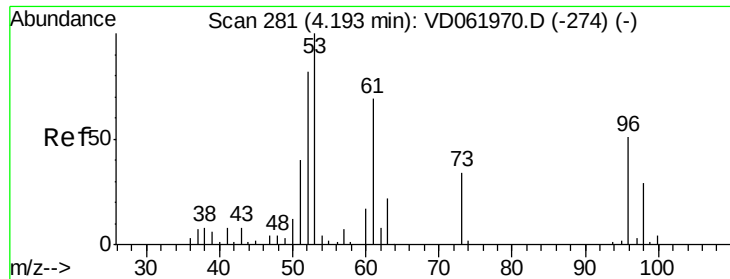


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 104.920 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

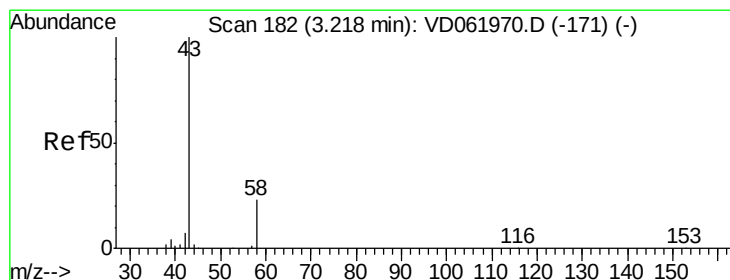
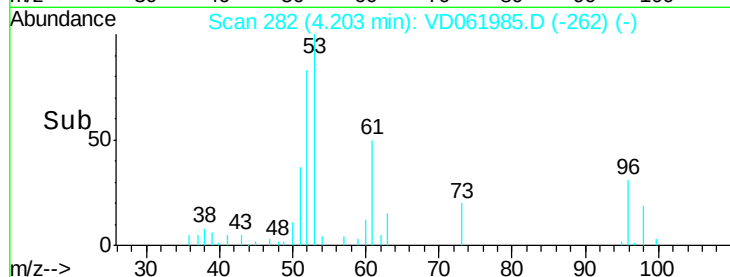
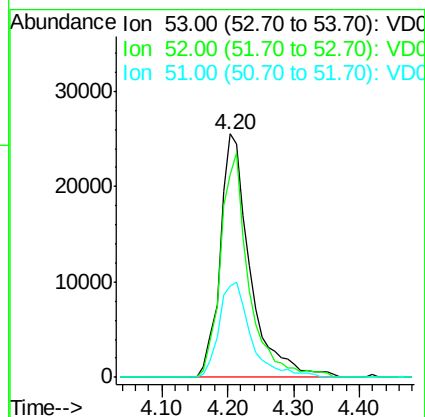
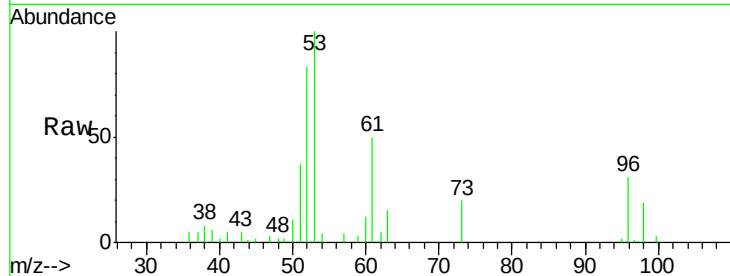
Tot Ion: 53 Resp: 81032

Ion Ratio Lower Upper

53 100

52 83.5 65.0 97.4

51 37.3 32.6 48.8



#16

Acetone

Concen: 79.636 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061985.D

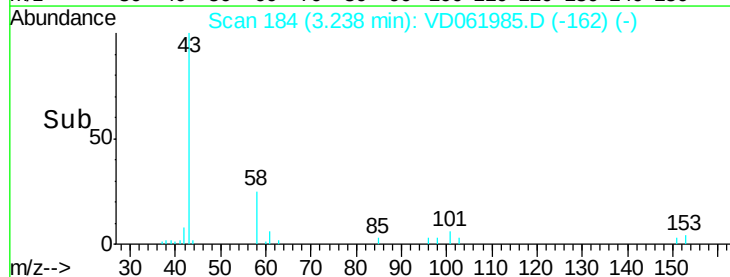
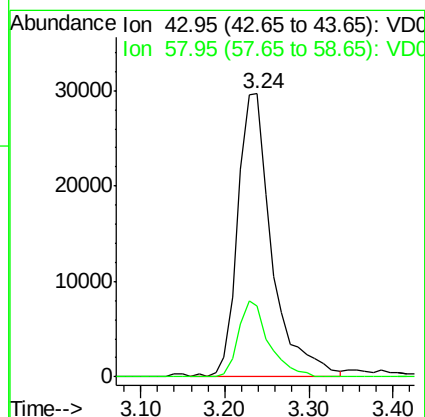
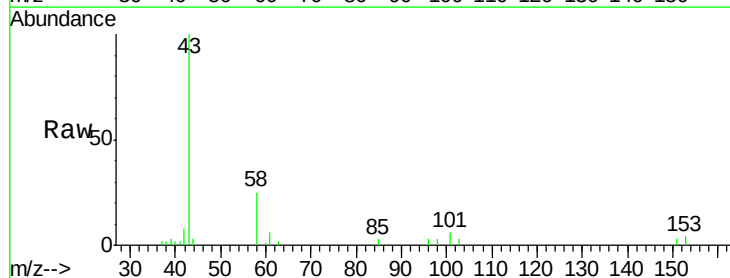
Acq: 24 Apr 2019 1:30

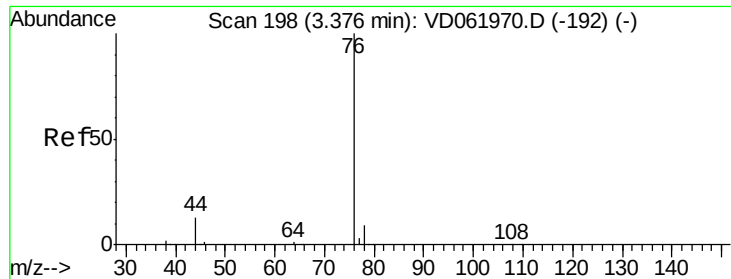
Tgt Ion: 43 Resp: 83938

Ion Ratio Lower Upper

43 100

58 25.2 19.9 29.9

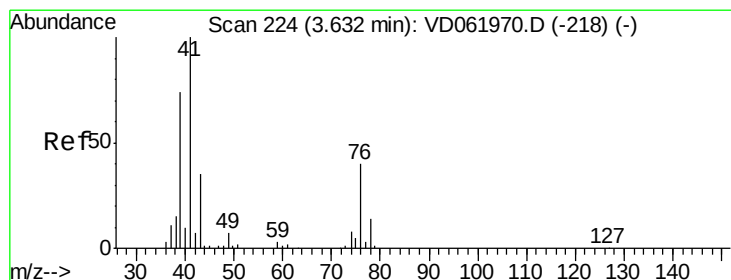
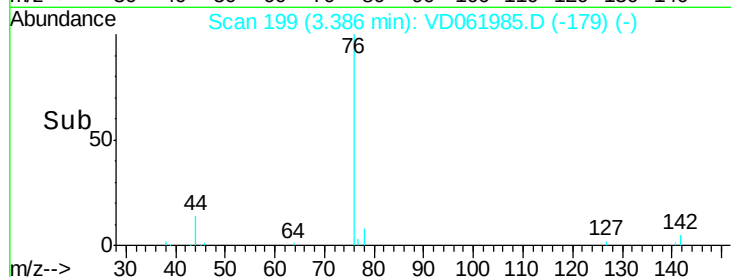
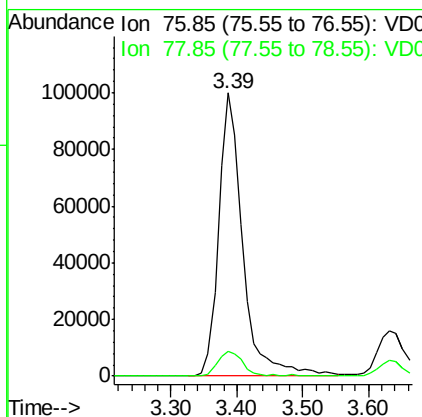
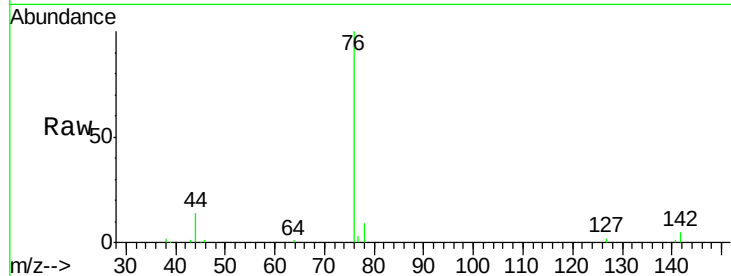




#17
Carbon Disulfide
Concen: 19.103 ug/l
RT: 3.39 min Scan# 199
Delta R.T. -0.00 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

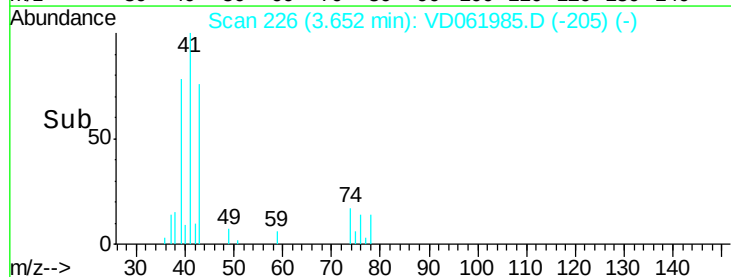
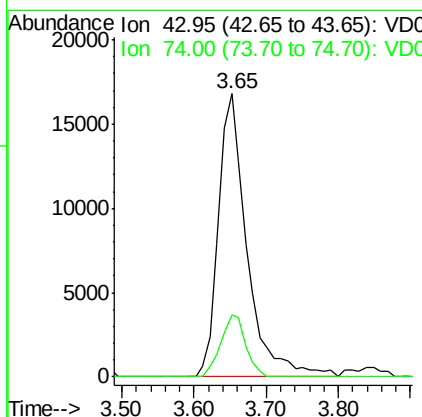
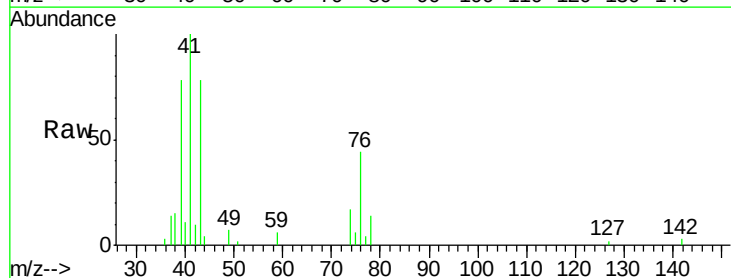
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS02

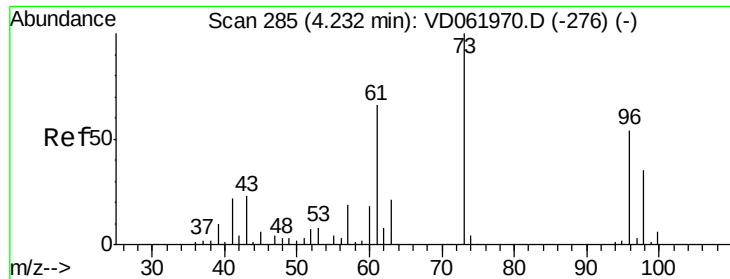
Tot Ion: 76 Resp: 253781
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8



#18
Methyl Acetate
Concen: 22.885 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Tgt Ion: 43 Resp: 45988
Ion Ratio Lower Upper
43 100
74 21.8 18.0 27.0

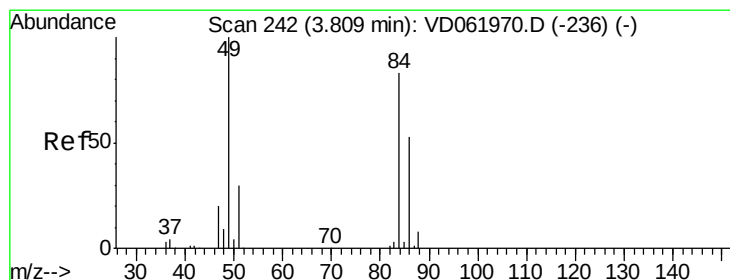
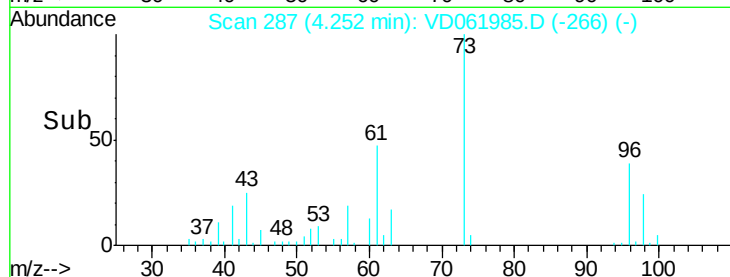
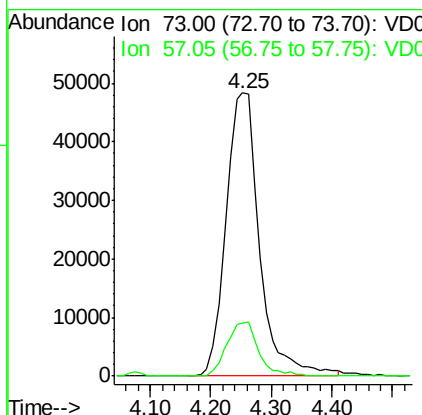
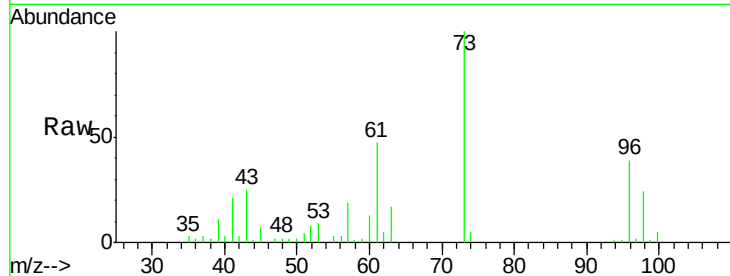




#19
Methyl tert-butyl Ether
Concen: 20.276 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

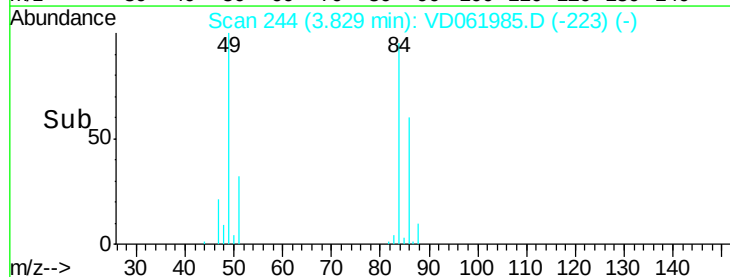
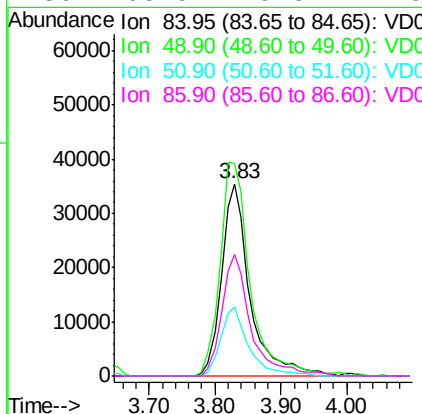
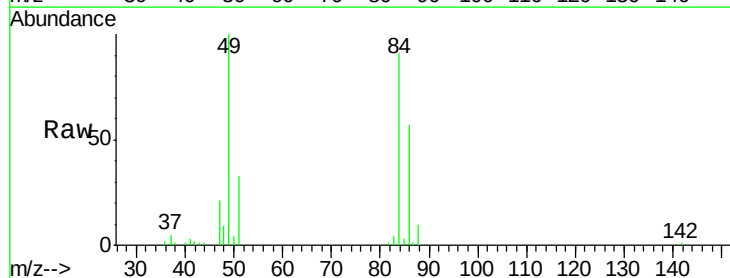
Instrument :
MSVOA_D
ClientSampleID :
VD0423SBS02

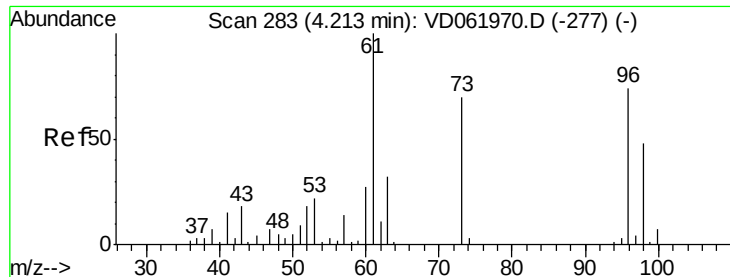
Tot Ion: 73 Resp: 184953
Ion Ratio Lower Upper
73 100
57 18.7 16.3 24.5



#20
Methylene Chloride
Concen: 18.760 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Tgt Ion: 84 Resp: 106485
Ion Ratio Lower Upper
84 100
49 110.3 94.0 141.0
51 35.9 29.0 43.4
86 63.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.516 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

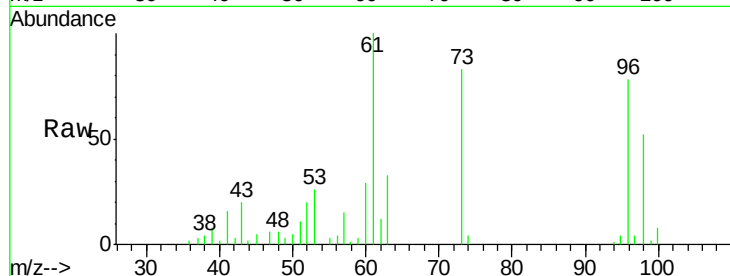
Tot Ion: 96 Resp: 102928

Ion Ratio Lower Upper

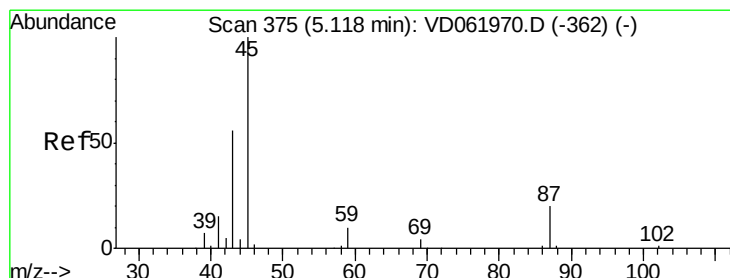
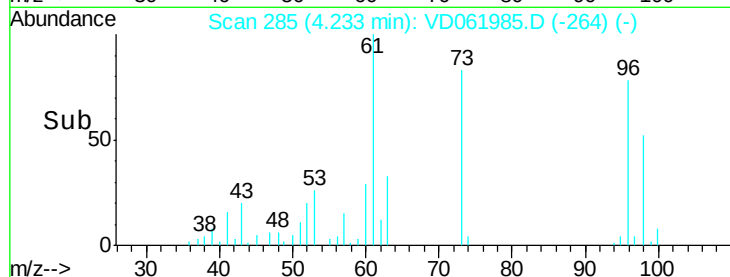
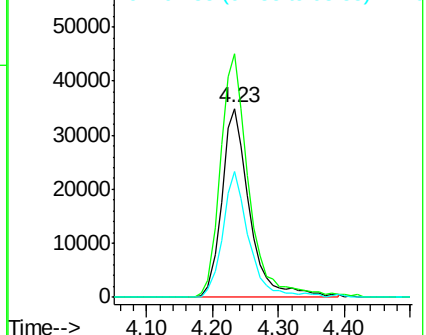
96 100

61 128.8 104.4 156.6

98 66.5 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: 20.660 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Tgt Ion: 45 Resp: 302808

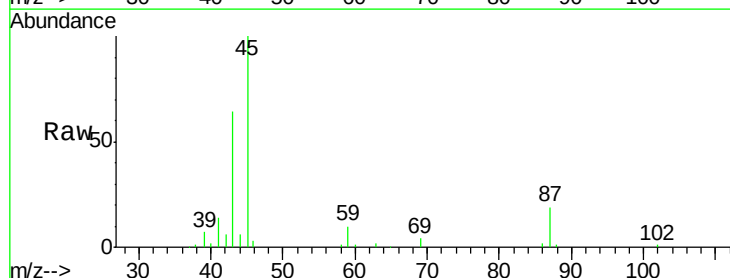
Ion Ratio Lower Upper

45 100

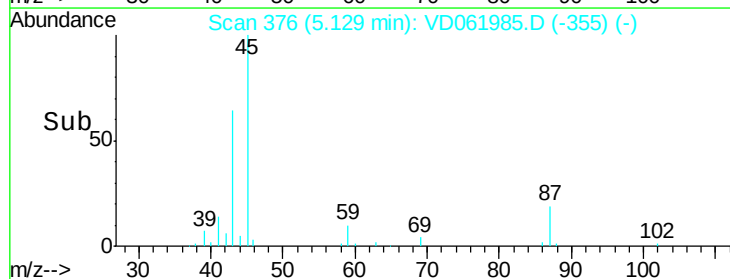
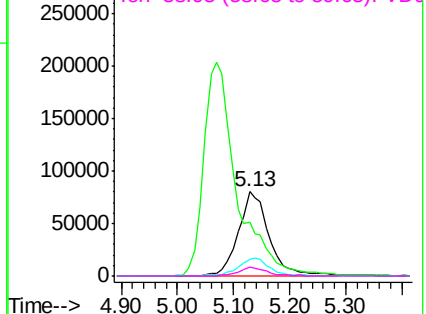
43 63.9 46.2 69.2

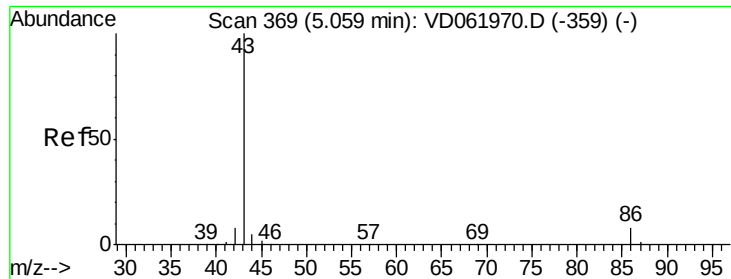
87 19.5 15.9 23.9

59 10.3 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: 108.767 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

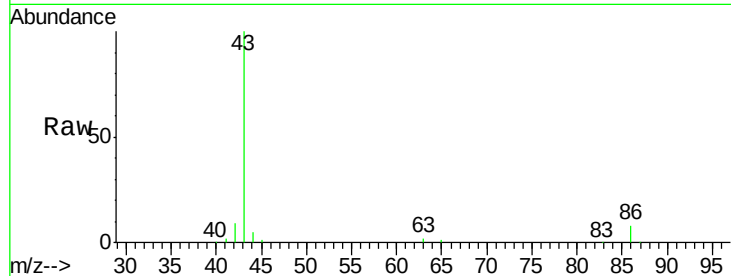
VD0423SBS02

Tot Ion: 43 Resp: 830192

Ion Ratio Lower Upper

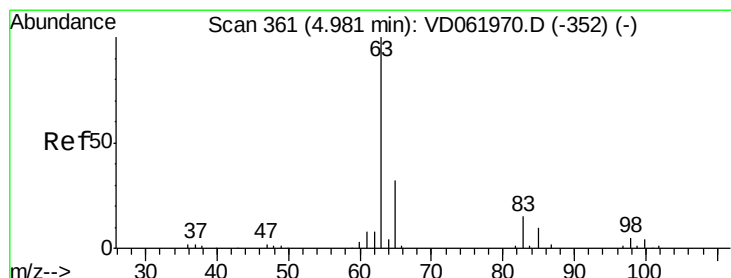
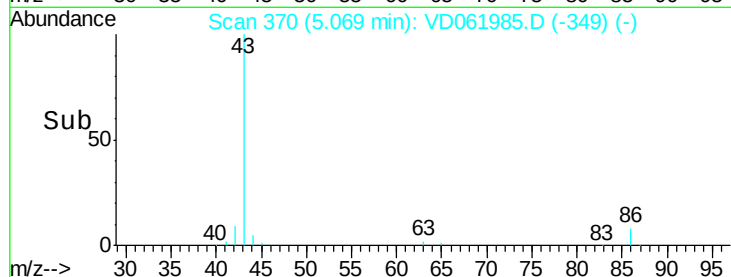
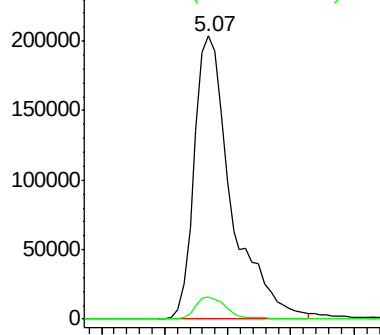
43 100

86 7.8 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.550 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

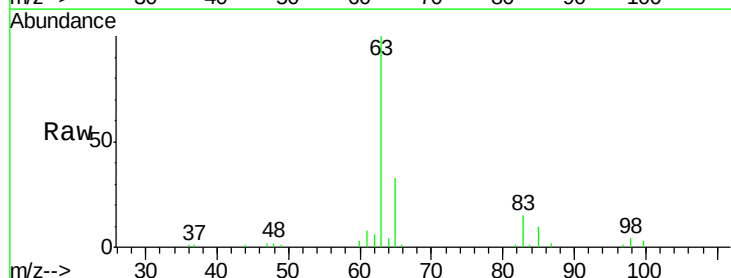
Tgt Ion: 63 Resp: 173190

Ion Ratio Lower Upper

63 100

98 4.0 2.8 8.4

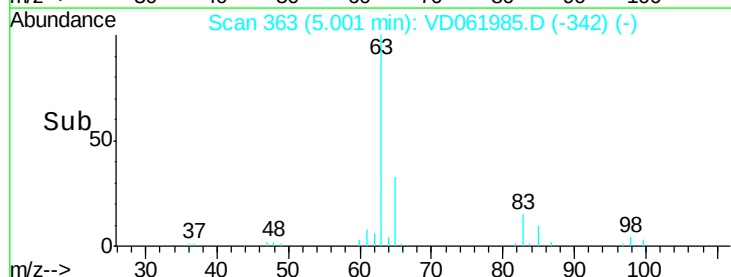
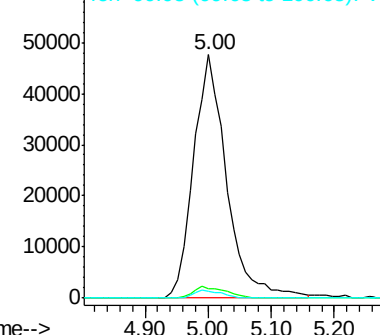
100 3.0 1.8 5.5

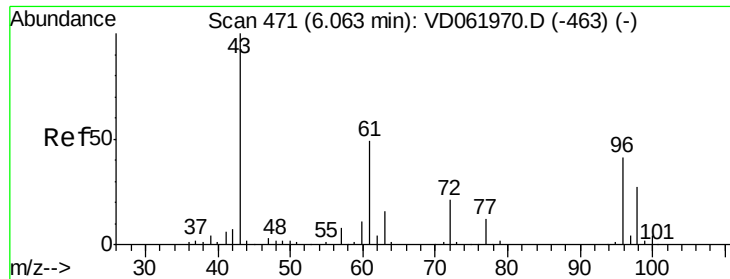


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 103.457 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

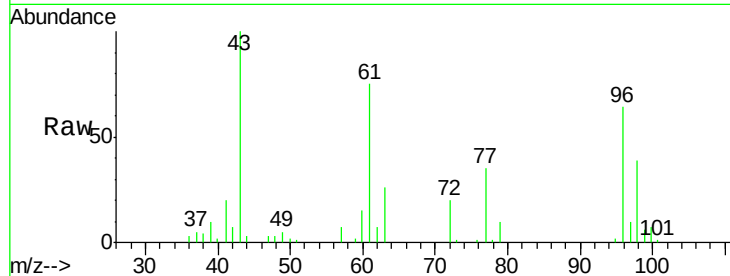
VD0423SBS02

Tot Ion: 43 Resp: 132210

Ion Ratio Lower Upper

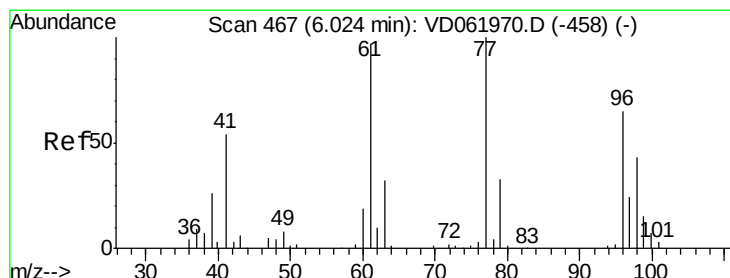
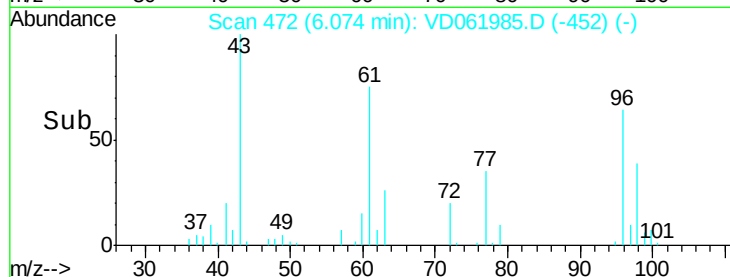
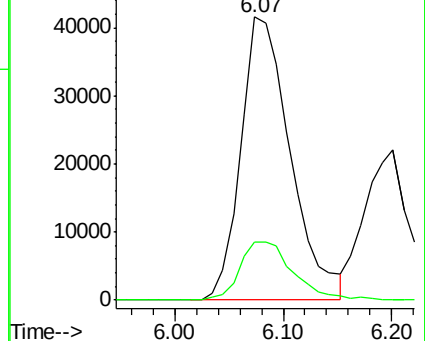
43 100

72 20.3 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.049 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061985.D

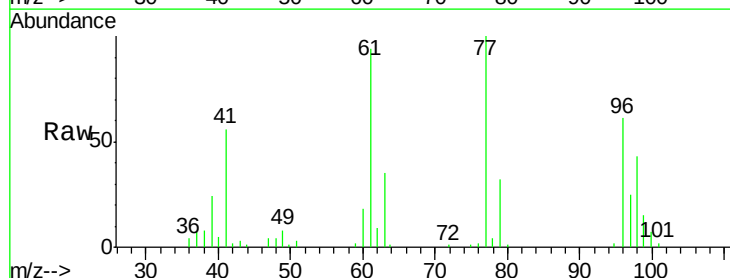
Acq: 24 Apr 2019 1:30

Tgt Ion: 77 Resp: 154942

Ion Ratio Lower Upper

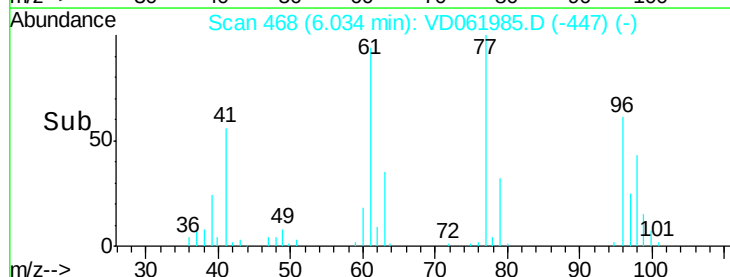
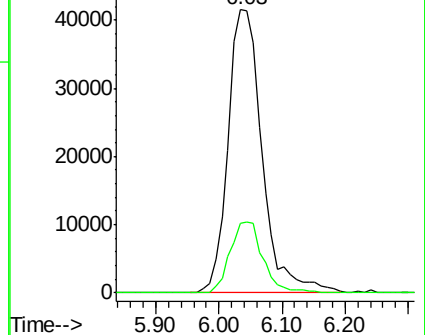
77 100

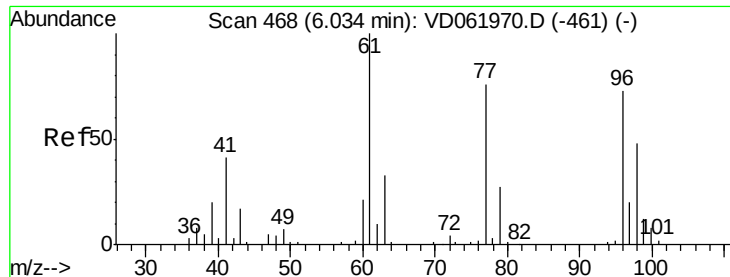
97 24.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



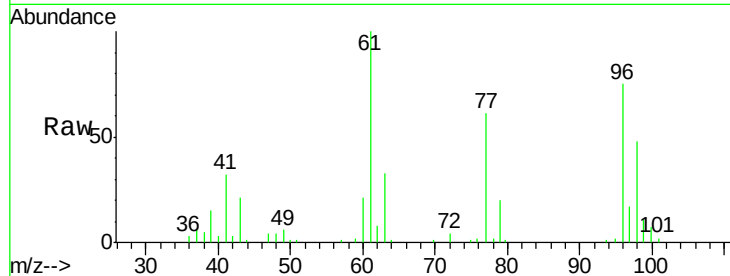


#27

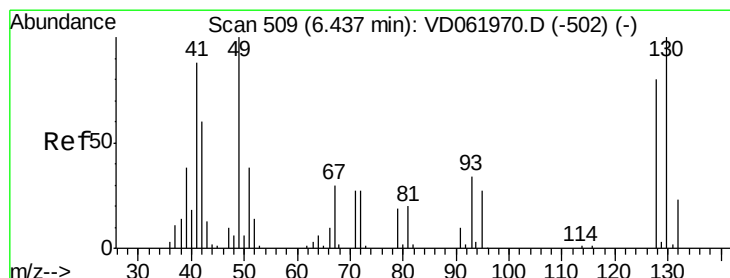
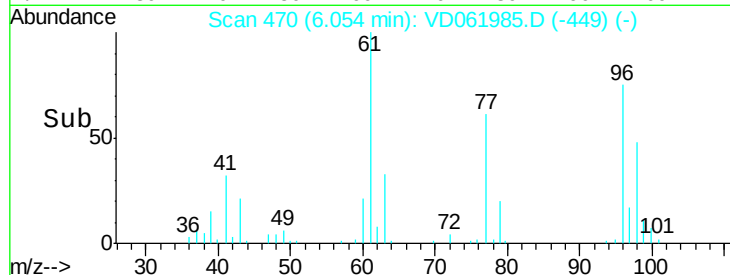
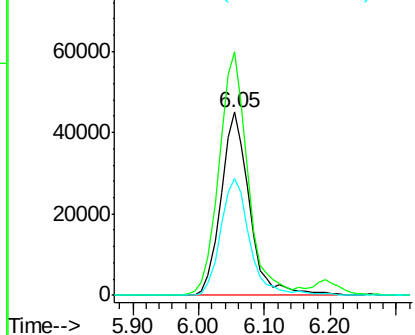
cis-1,2-Dichloroethene
Concen: 22.644 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS02

Tot Ion: 96 Resp: 135863
Ion Ratio Lower Upper
96 100
61 132.9 0.0 279.8
98 63.8 0.0 136.0



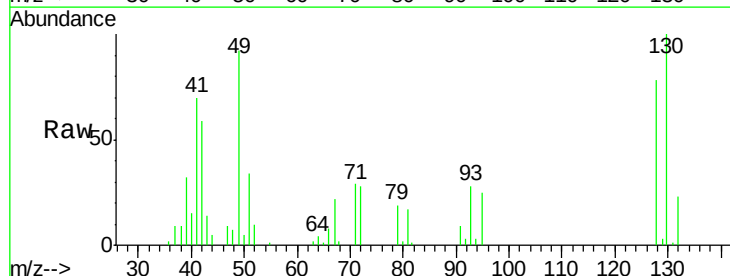
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



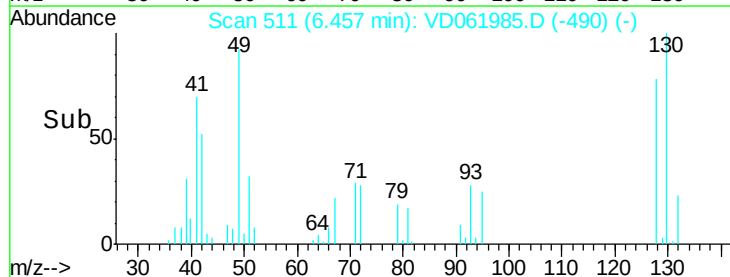
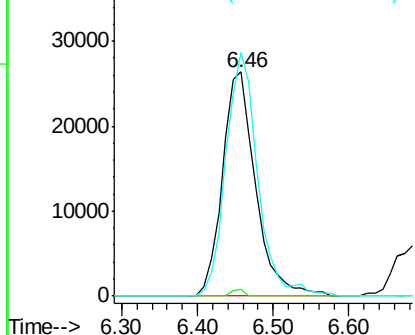
#28

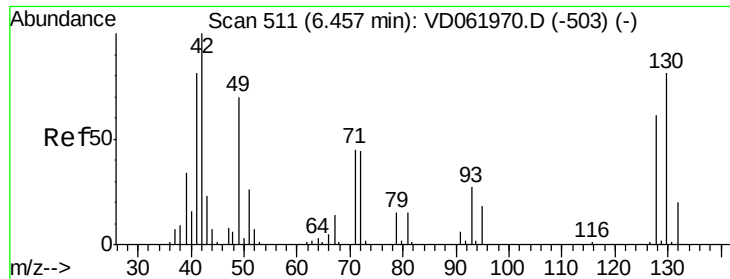
Bromochloromethane
Concen: 23.534 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Tgt Ion: 49 Resp: 79771
Ion Ratio Lower Upper
49 100
129 3.3 0.0 6.6
130 108.5 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: 113.486 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

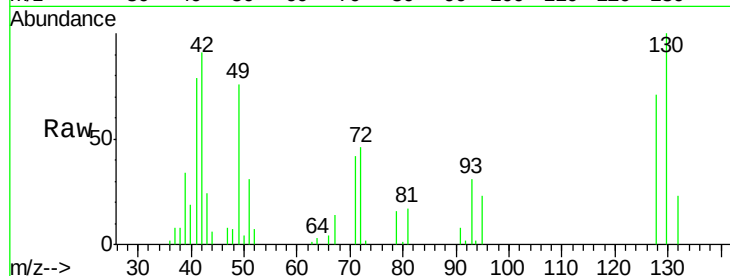
Tot Ion: 42 Resp: 71458

Ion Ratio Lower Upper

42 100

72 45.8 37.8 56.6

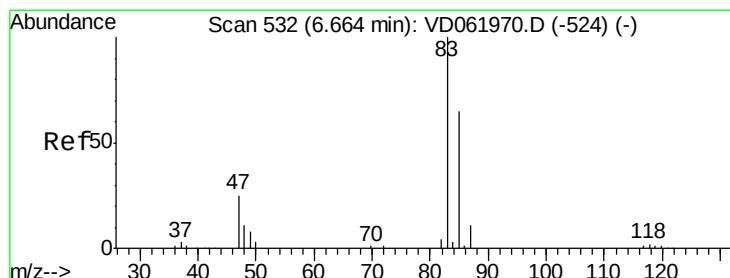
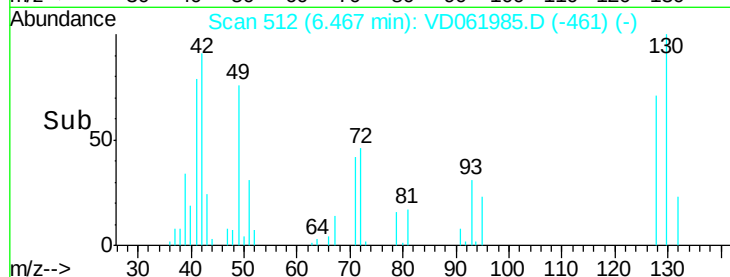
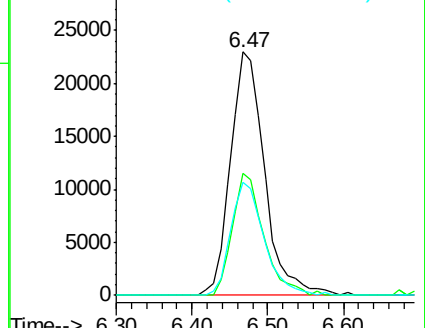
71 45.5 36.7 55.1



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: 20.773 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD061985.D

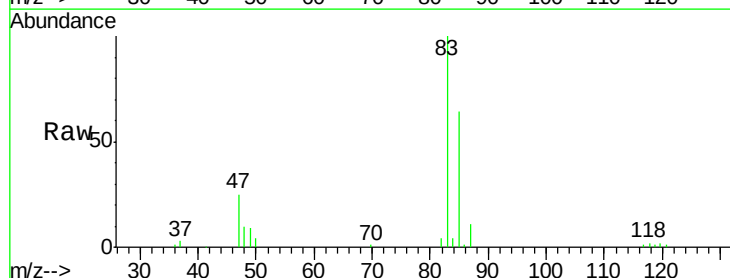
Acq: 24 Apr 2019 1:30

Tgt Ion: 83 Resp: 209020

Ion Ratio Lower Upper

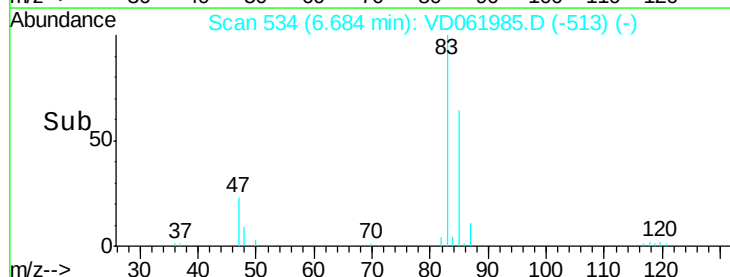
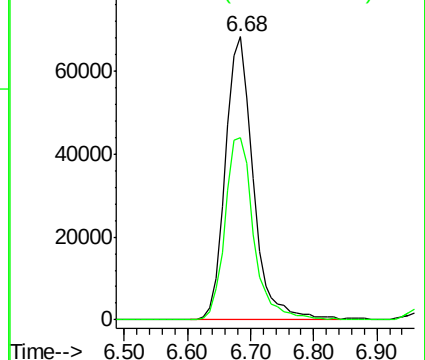
83 100

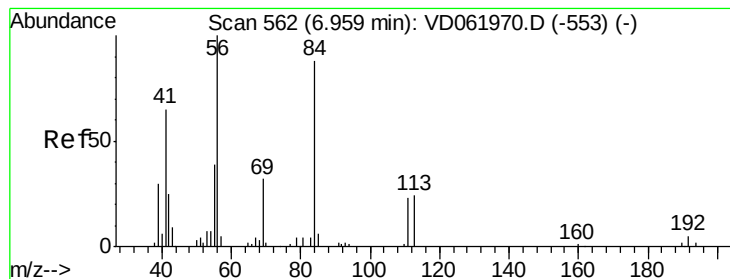
85 64.4 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.969 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

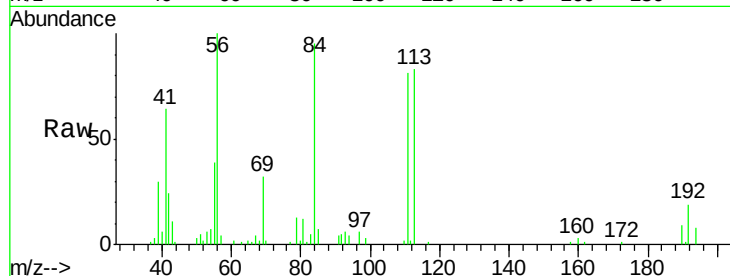
Tot Ion: 56 Resp: 131303

Ion Ratio Lower Upper

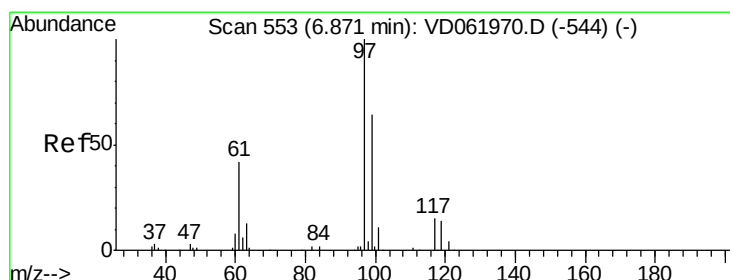
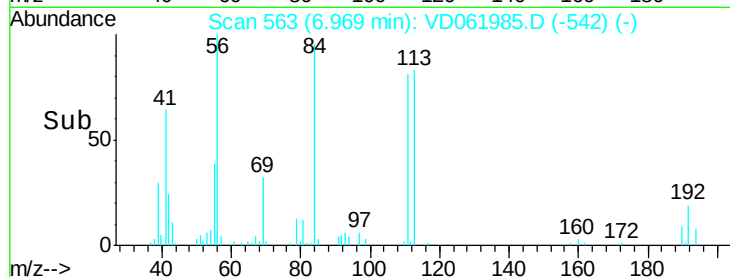
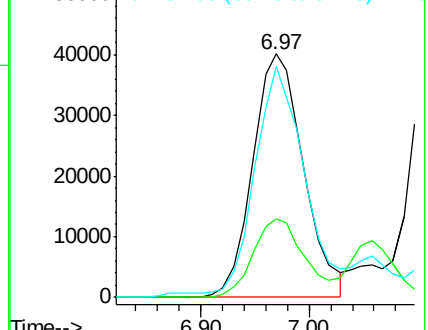
56 100

69 32.0 25.8 38.6

84 95.0 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: 21.331 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.02 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

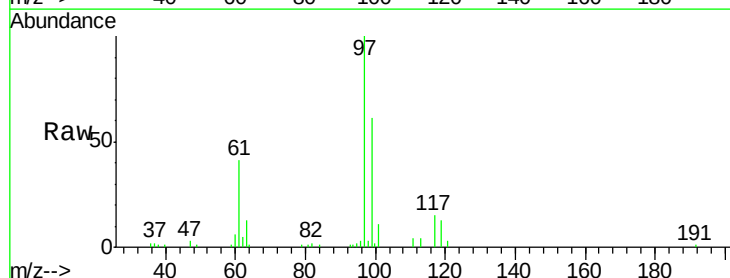
Tgt Ion: 97 Resp: 186745

Ion Ratio Lower Upper

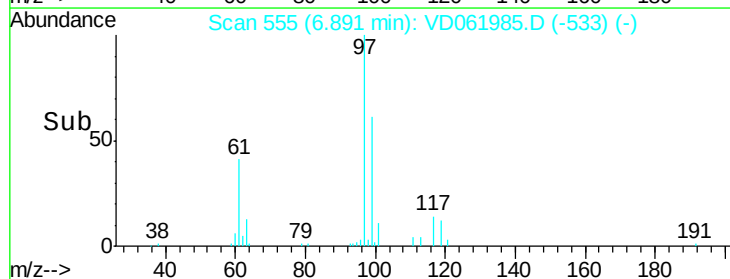
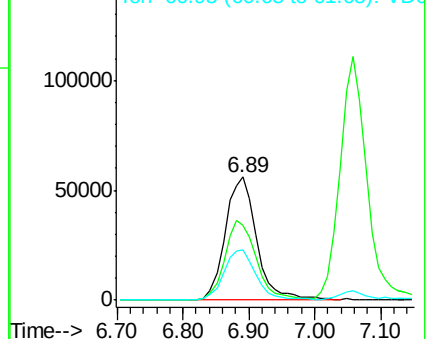
97 100

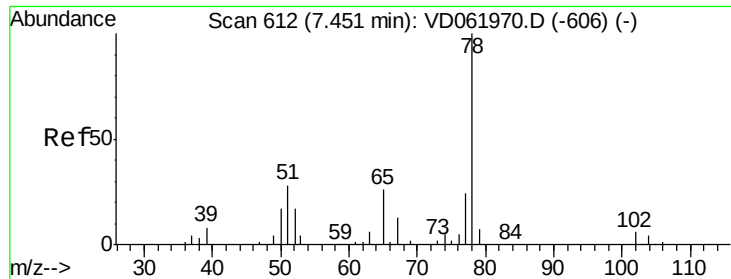
99 60.5 52.2 78.2

61 40.8 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

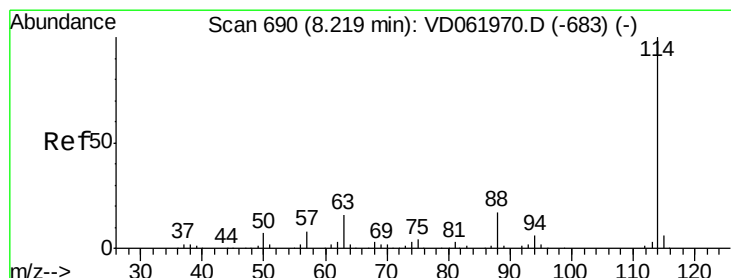
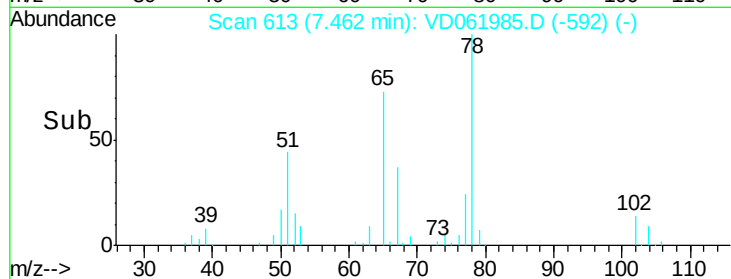
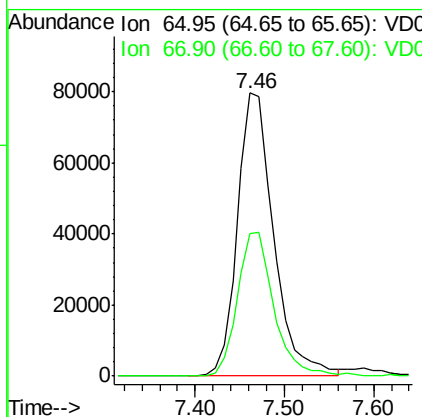
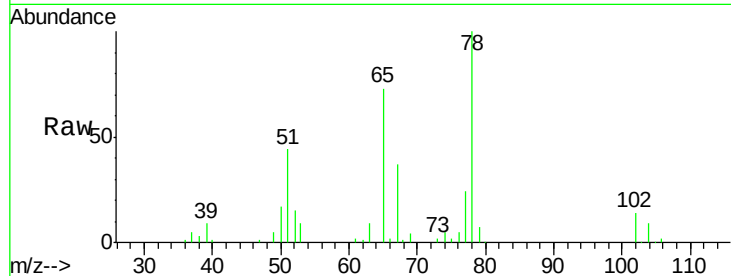




#33
 1,2-Dichloroethane-d4
 Concen: 21.331 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

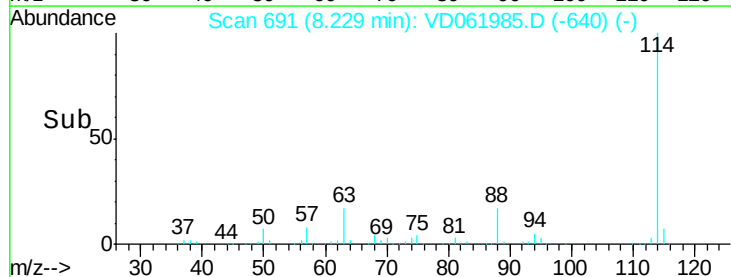
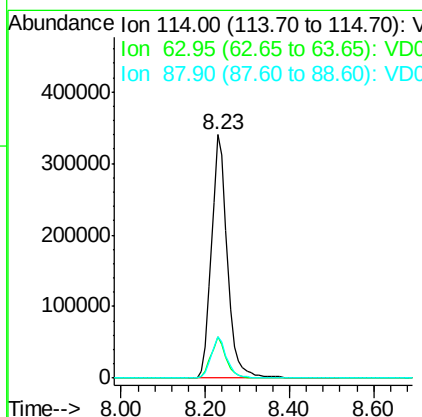
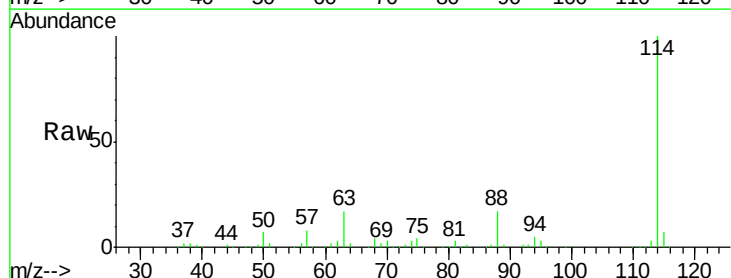
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS02

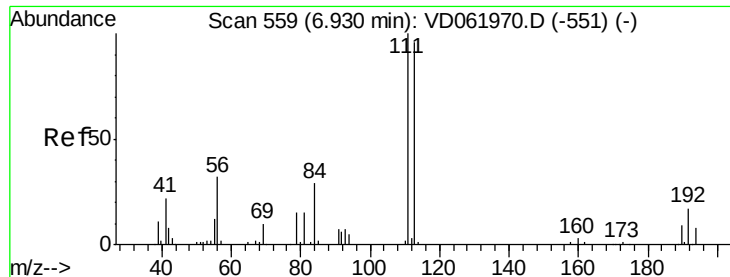
Tot Ion: 65 Resp: 225037
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Tgt Ion: 114 Resp: 890792
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 32.4
 88 17.2 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

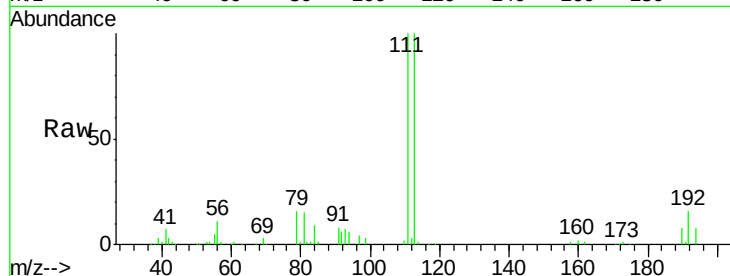
Tot Ion:113 Resp: 346865

Ion Ratio Lower Upper

113 100

111 100.2 78.5 117.7

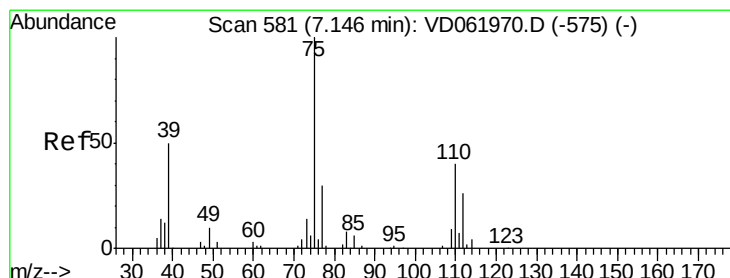
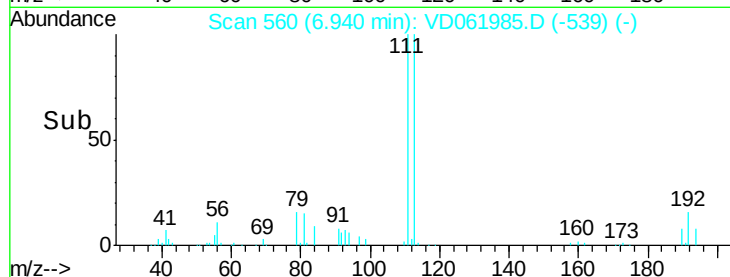
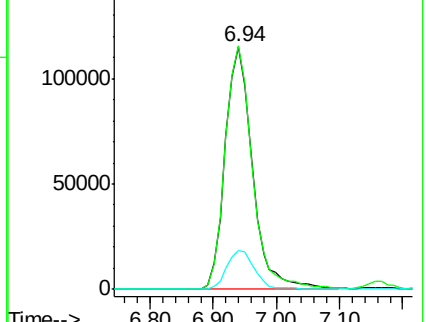
192 16.1 13.0 19.4



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: 20.492 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

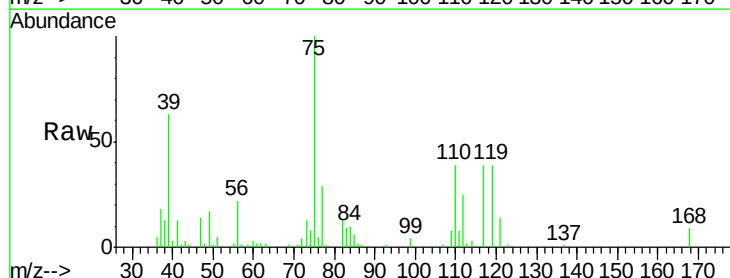
Tgt Ion: 75 Resp: 142221

Ion Ratio Lower Upper

75 100

110 39.1 19.1 57.1

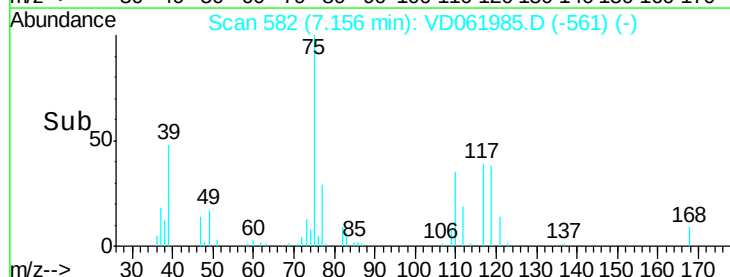
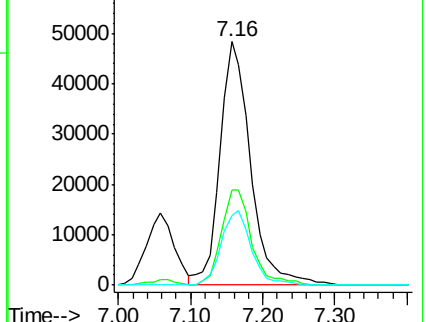
77 28.8 25.6 38.4

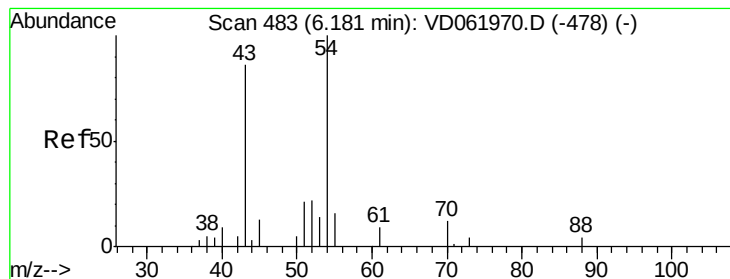


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 23.593 ug/l

RT: 6.20 min Scan# 485

Delta R.T. 0.02 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

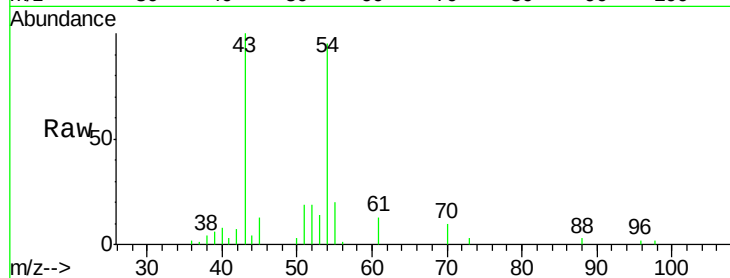
Tot Ion: 43 Resp: 69776

Ion Ratio Lower Upper

43 100

61 13.4 14.7 22.1#

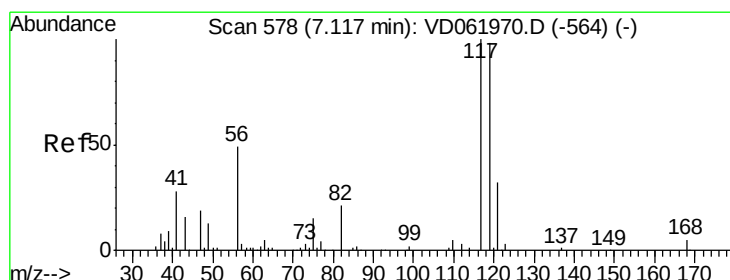
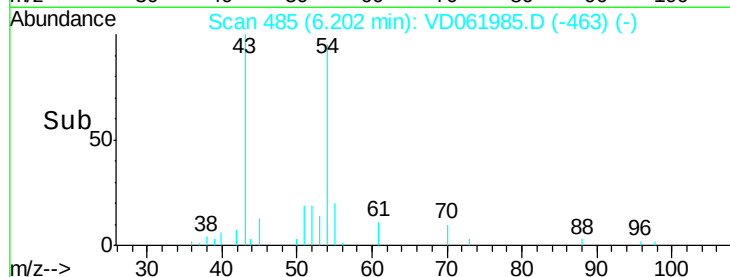
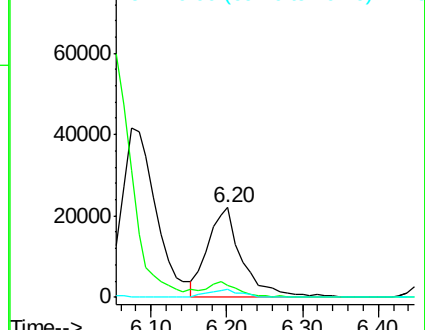
70 9.6 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.584 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

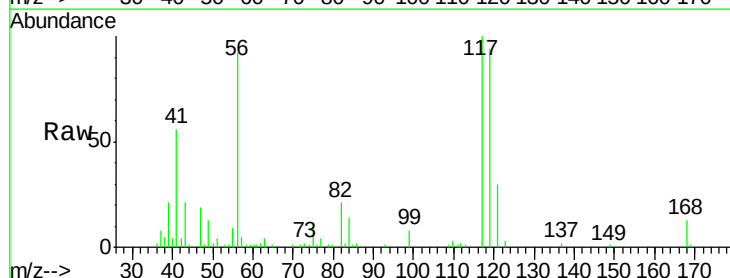
Tgt Ion: 117 Resp: 181021

Ion Ratio Lower Upper

117 100

119 93.7 75.8 113.8

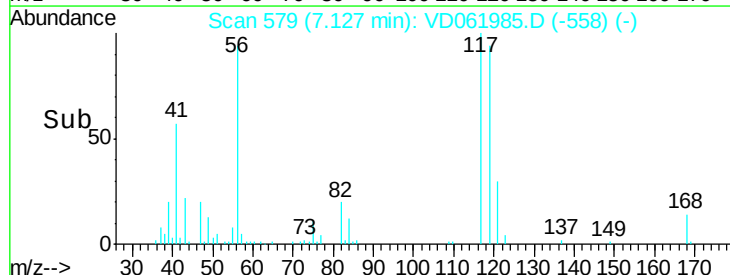
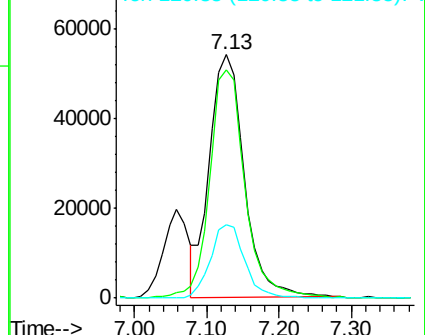
121 30.2 25.9 38.9

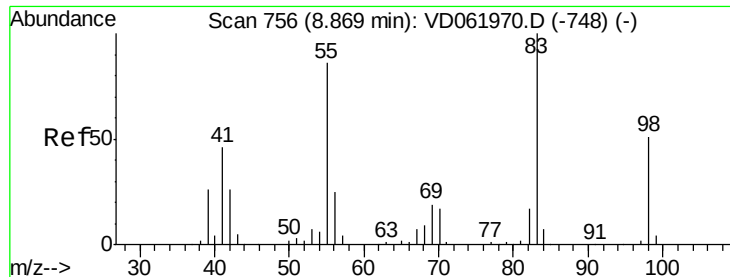


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

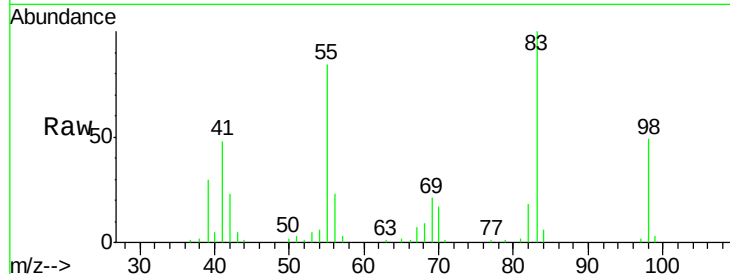




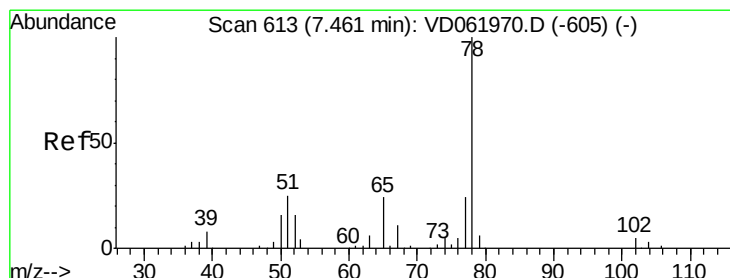
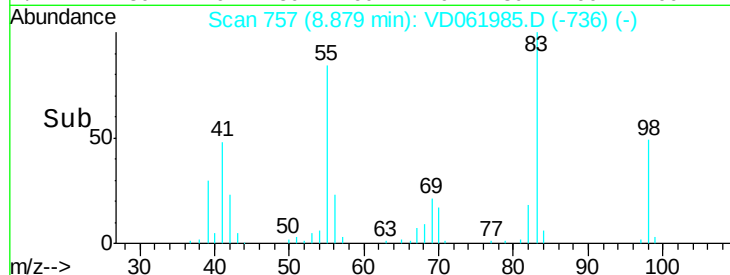
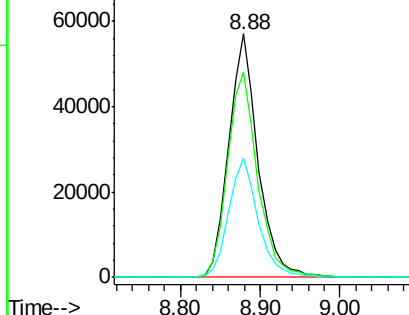
#39
Methylvlcyclohexane
Concen: 21.341 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS02

Tot Ion: 83 Resp: 146132
Ion Ratio Lower Upper
83 100
55 84.2 68.2 102.4
98 49.0 38.2 57.4

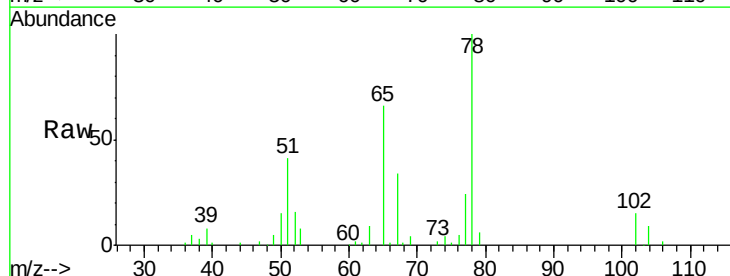


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

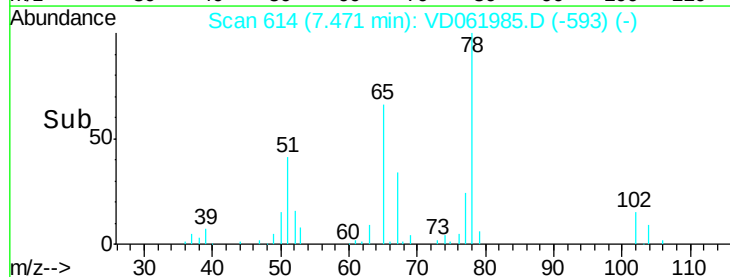
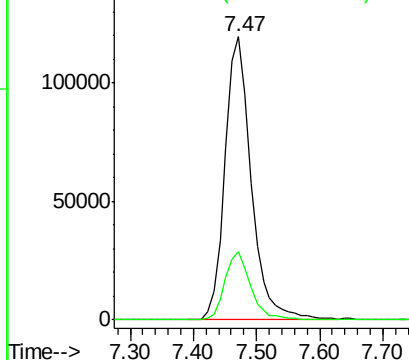


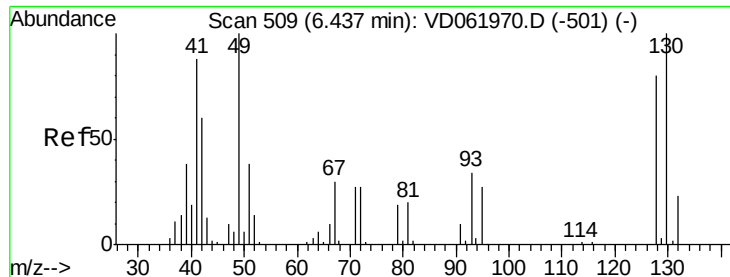
#40
Benzene
Concen: 20.061 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Tgt Ion: 78 Resp: 344685
Ion Ratio Lower Upper
78 100
77 24.3 19.7 29.5



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





#41

Methacrylonitrile

Concen: 22.856 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.02 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

Tot Ion: 41 Resp: 78869

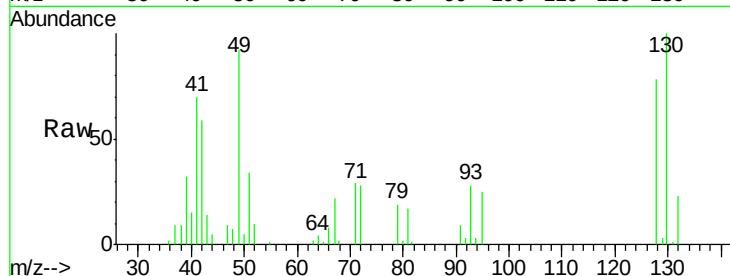
Ion Ratio Lower Upper

41 100

39 46.3 34.1 51.1

67 31.2 23.8 35.6

52 14.1 8.8 13.2#

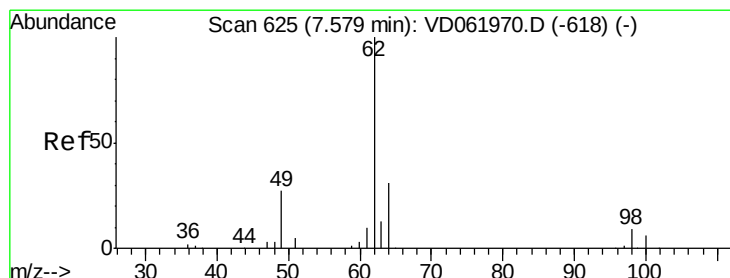
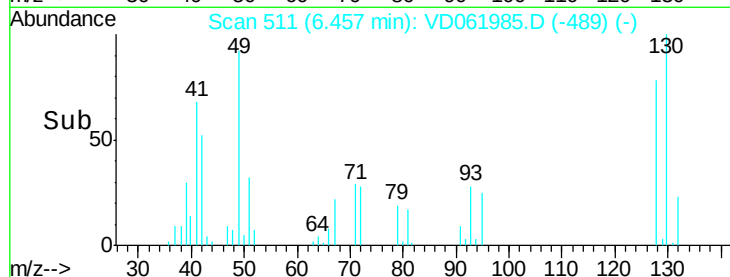
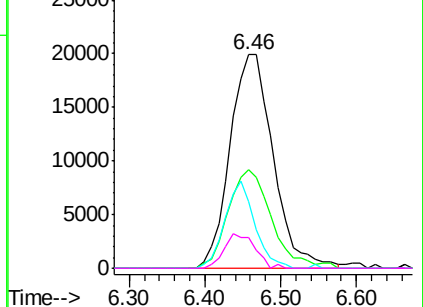


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.441 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD061985.D

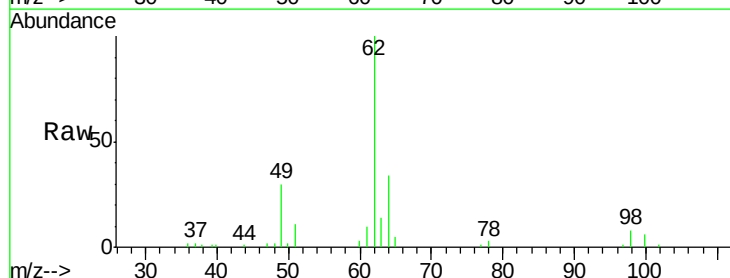
Acq: 24 Apr 2019 1:30

Tgt Ion: 62 Resp: 125080

Ion Ratio Lower Upper

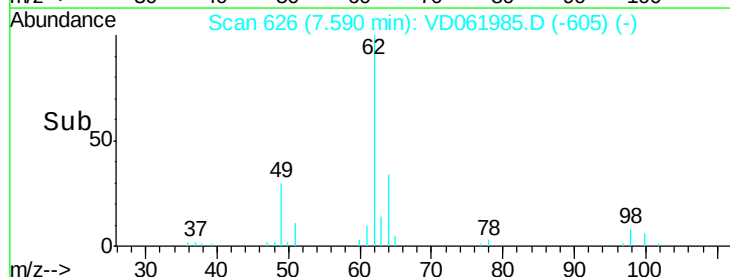
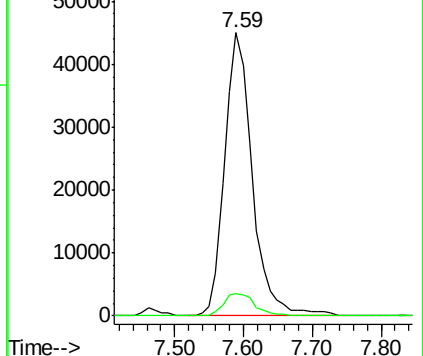
62 100

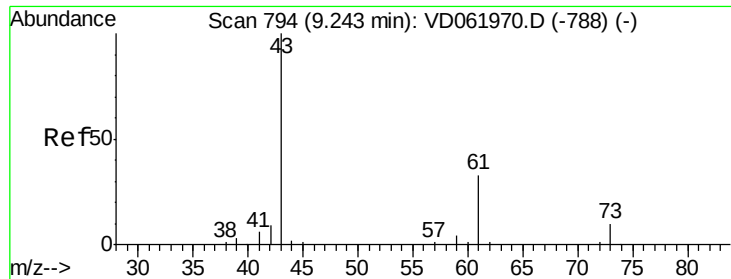
98 7.7 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.096 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

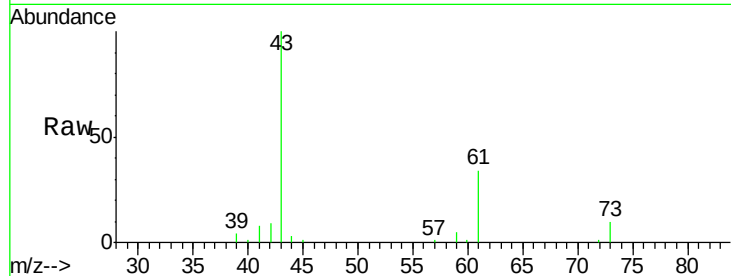
Tot Ion: 43 Resp: 82521

Ion Ratio Lower Upper

43 100

61 33.7 25.1 37.7

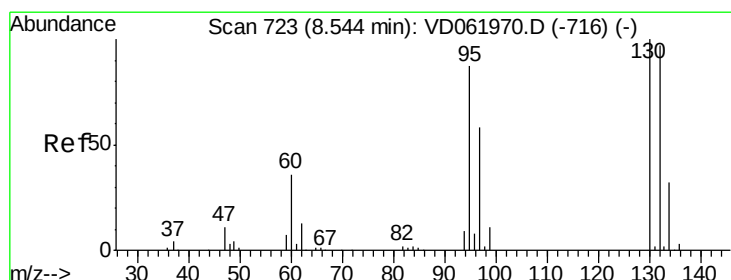
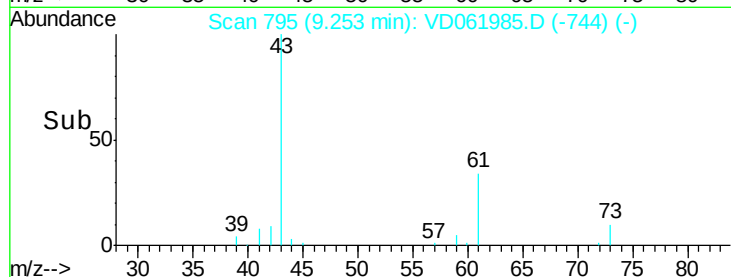
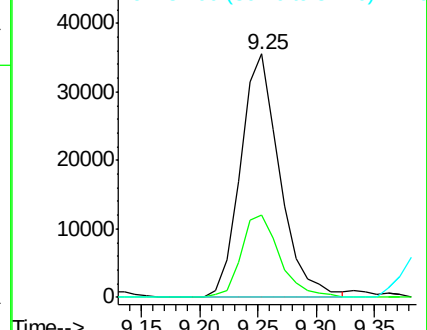
87 0.0 0.0 0.0



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: 20.456 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD061985.D

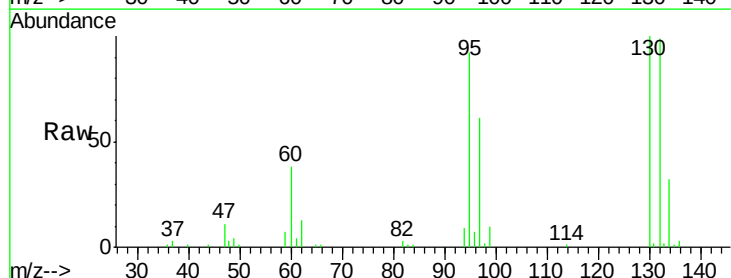
Acq: 24 Apr 2019 1:30

Tgt Ion: 130 Resp: 136261

Ion Ratio Lower Upper

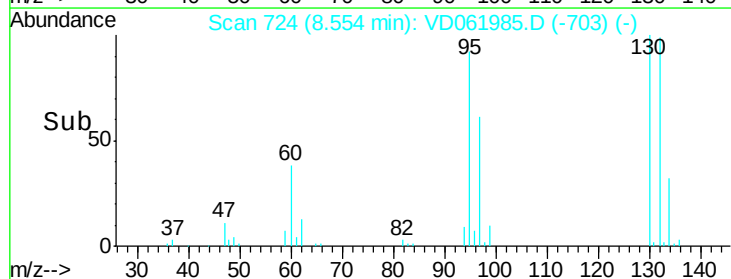
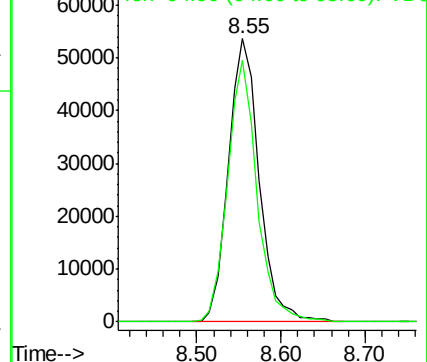
130 100

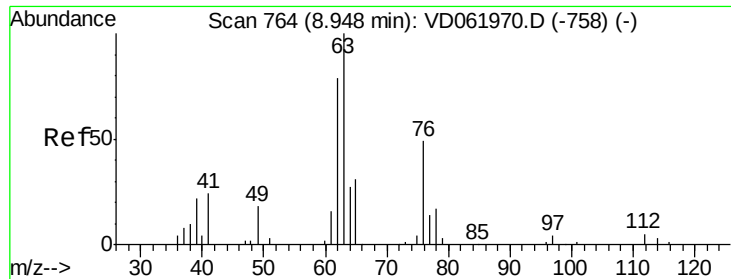
95 92.3 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.816 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

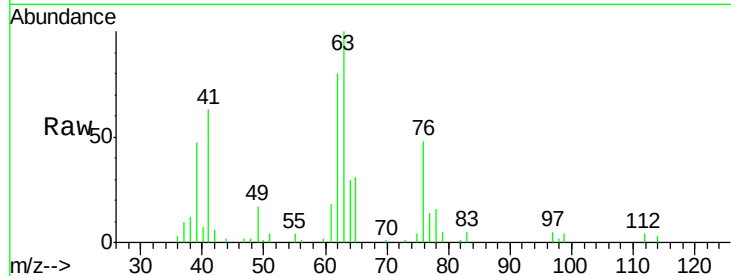
VD0423SBS02

Tot Ion: 63 Resp: 86374

Ion Ratio Lower Upper

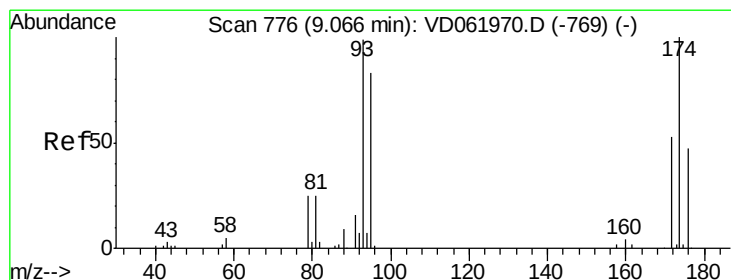
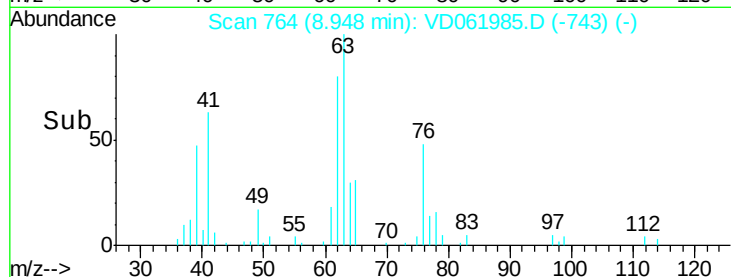
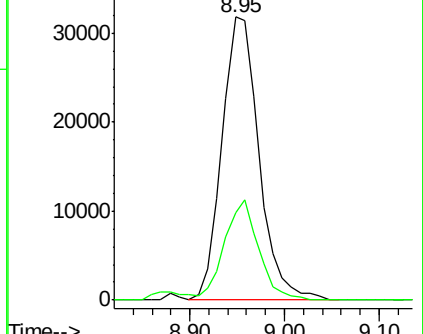
63 100

65 30.9 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.191 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

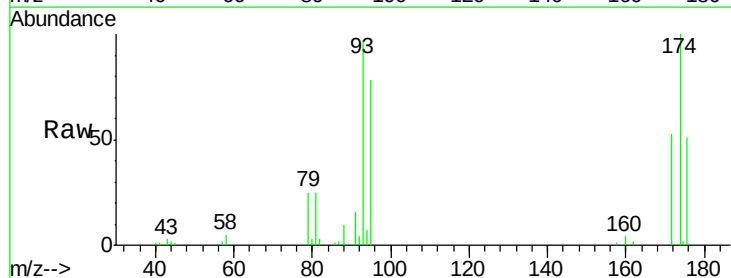
Tgt Ion: 93 Resp: 66463

Ion Ratio Lower Upper

93 100

95 80.7 64.8 97.2

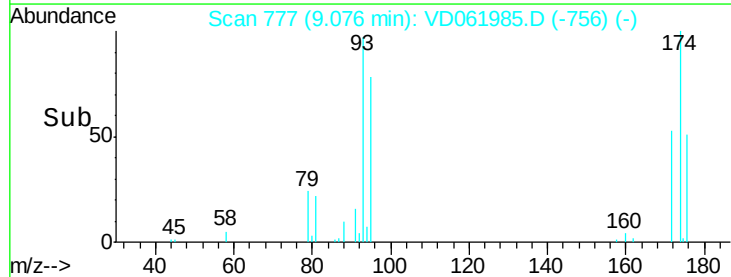
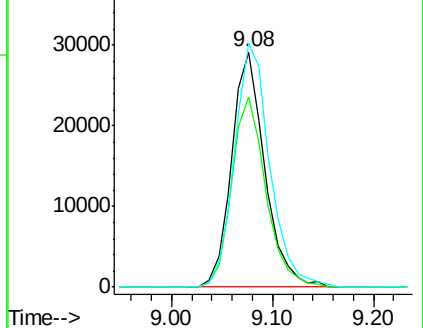
174 103.5 79.3 118.9

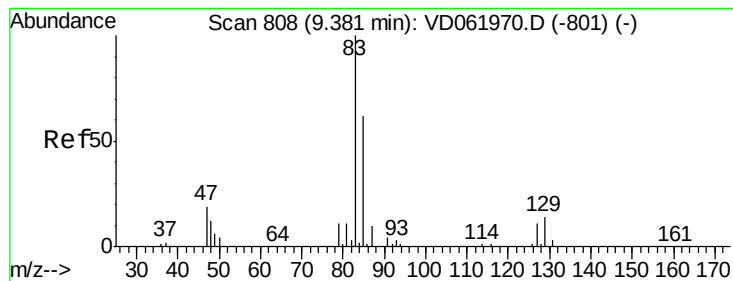


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.109 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

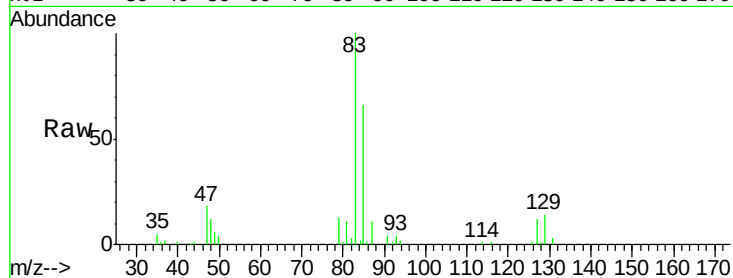
Tot Ion: 83 Resp: 156436

Ion Ratio Lower Upper

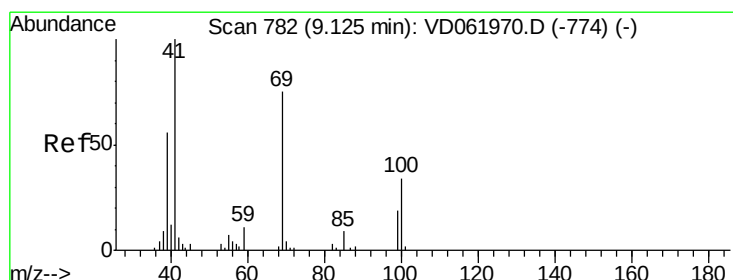
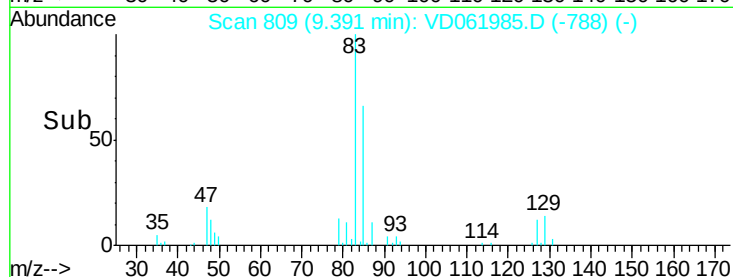
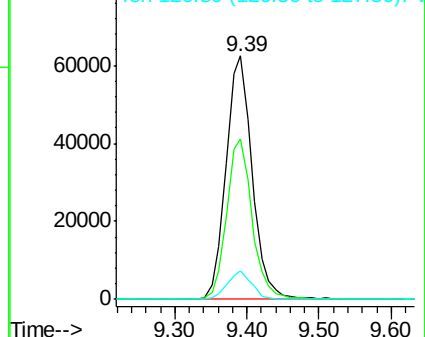
83 100

85 65.9 50.9 76.3

127 11.5 8.1 12.1



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



#48

Methyl methacrylate

Concen: 22.094 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

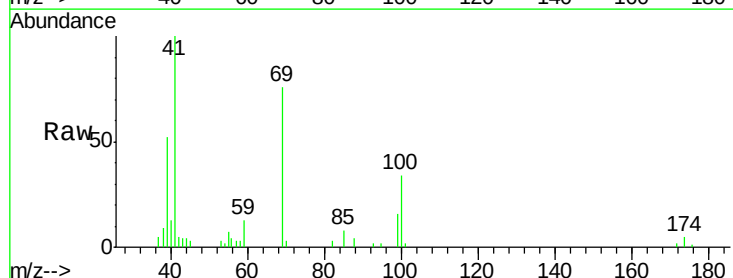
Tgt Ion: 41 Resp: 54474

Ion Ratio Lower Upper

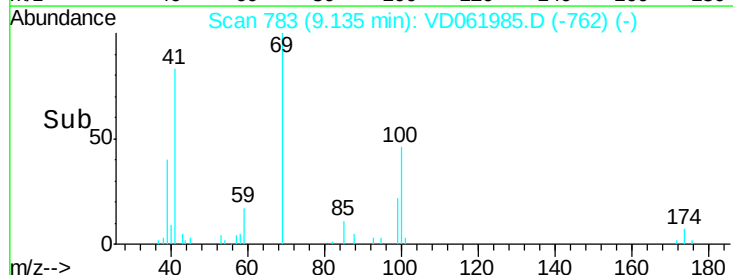
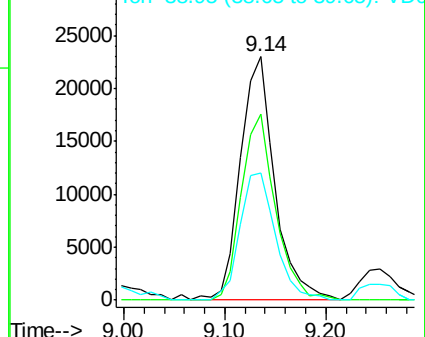
41 100

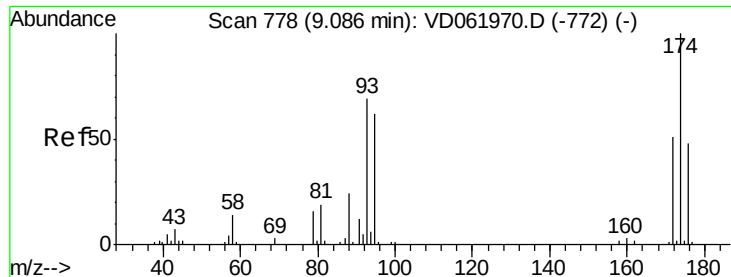
69 76.2 64.2 96.2

39 52.3 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

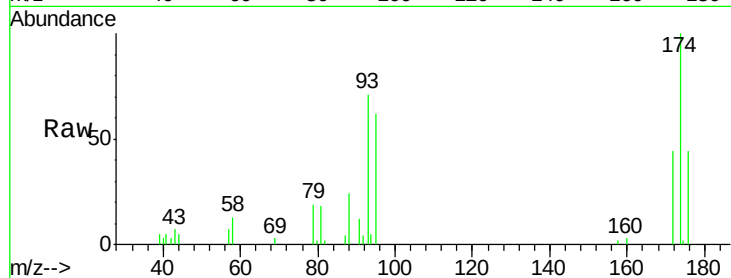




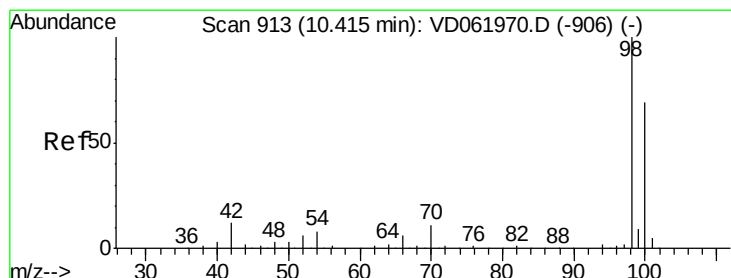
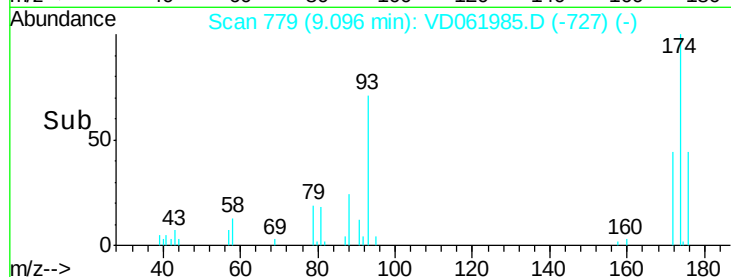
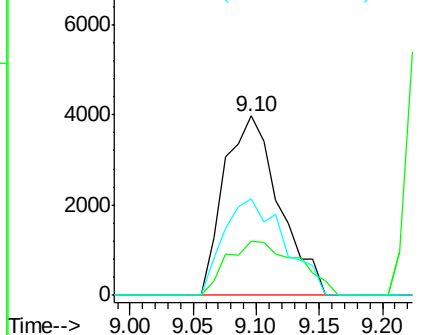
#49
1,4-Dioxane
Concen: 453.061 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS02

Tot Ion: 88 Resp: 12043
Ion Ratio Lower Upper
88 100
43 30.0 23.4 35.0
58 53.6 44.0 66.0

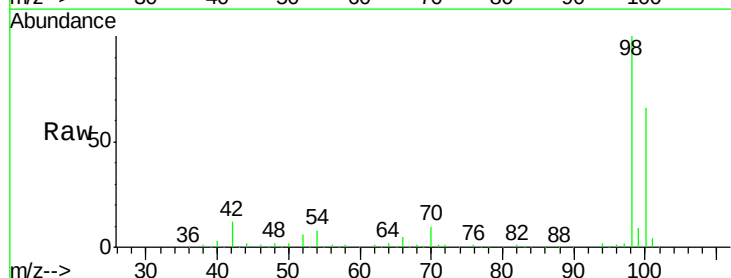


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

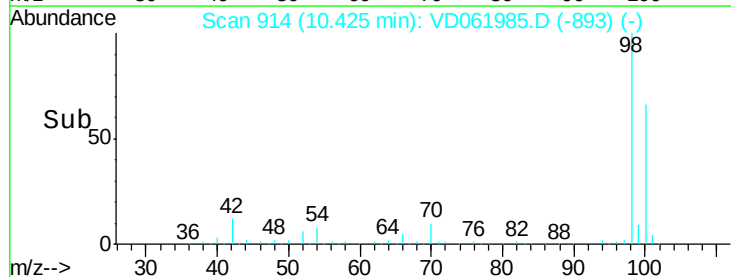
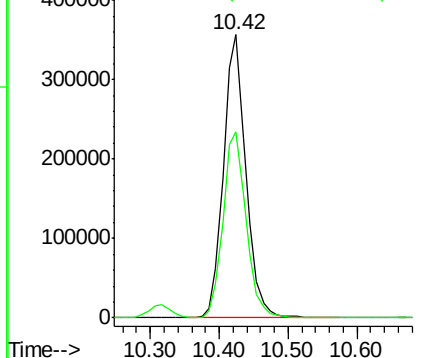


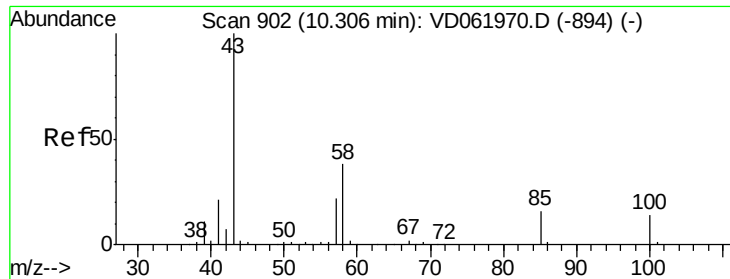
#50
Toluene-d8
Concen: 453.061 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Tgt Ion: 98 Resp: 800484
Ion Ratio Lower Upper
98 100
100 65.6 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: 114.218 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

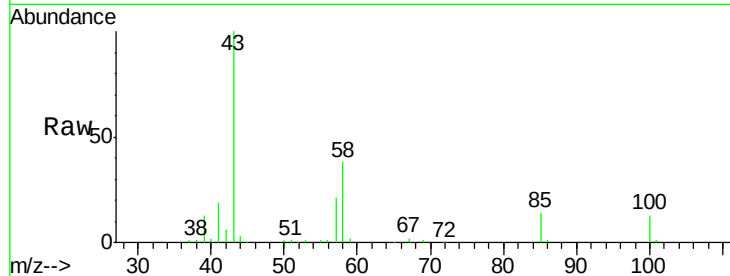
VD0423SBS02

Tot Ion: 43 Resp: 301847

Ion Ratio Lower Upper

43 100

58 38.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

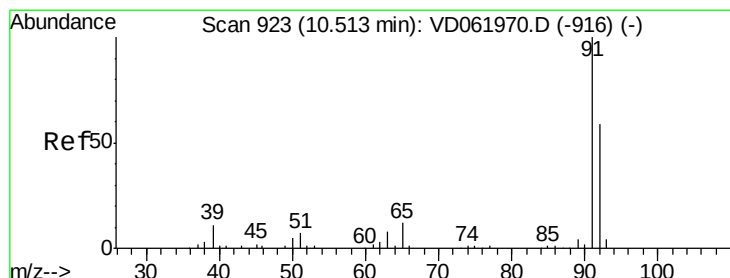
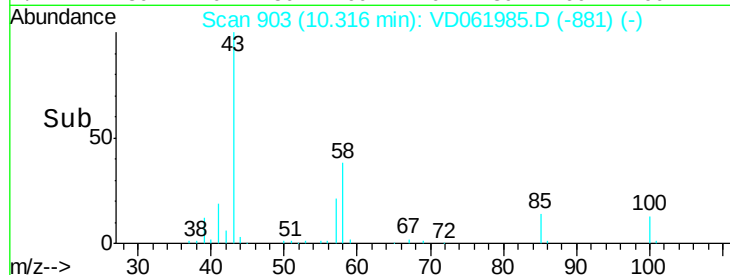
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.418 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061985.D

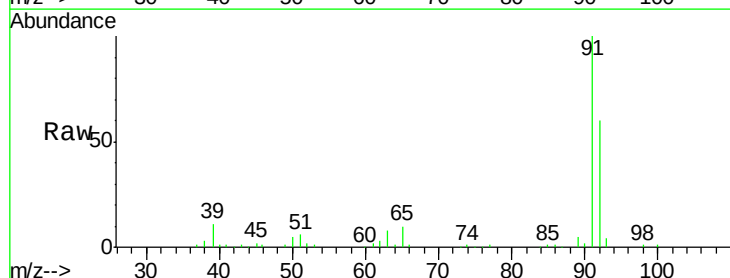
Acq: 24 Apr 2019 1:30

Tgt Ion: 92 Resp: 212730

Ion Ratio Lower Upper

92 100

91 167.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

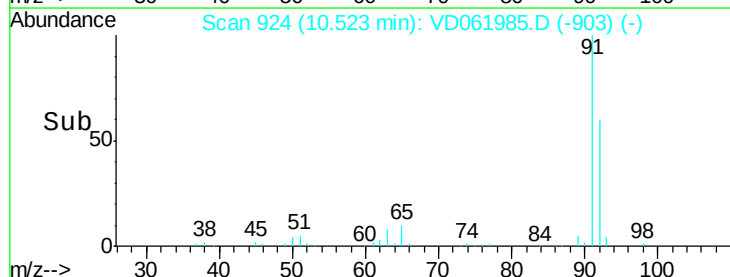
150000

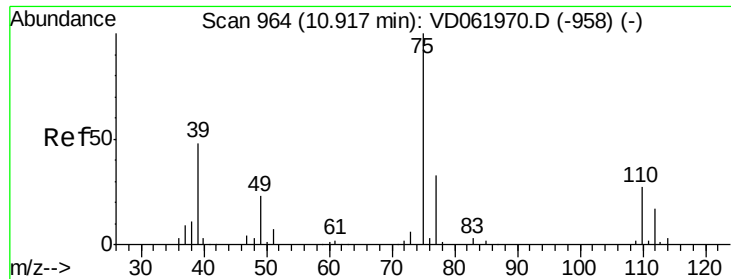
100000

50000

0

Time-->

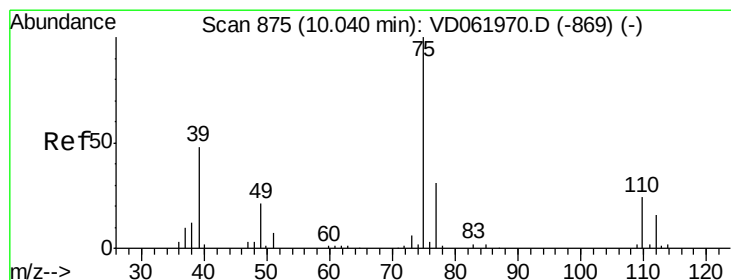
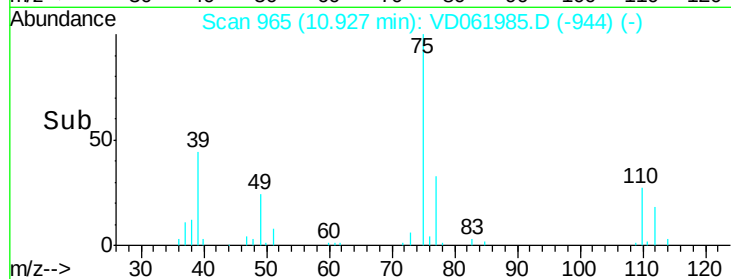
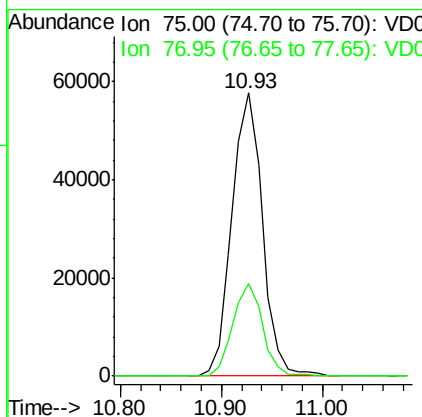
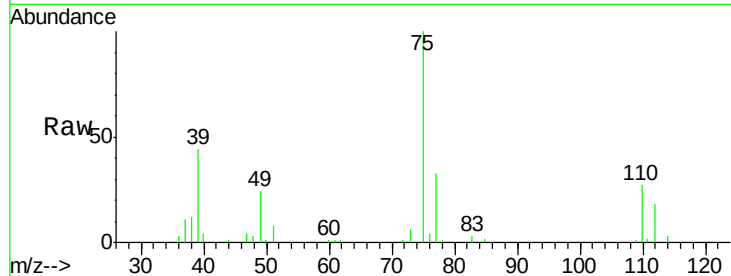




#53
 t-1,3-Dichloropropene
 Concen: 19.538 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

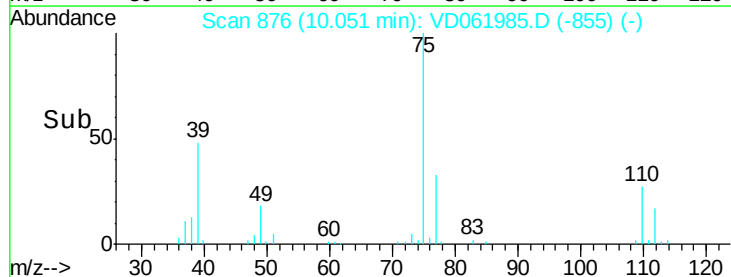
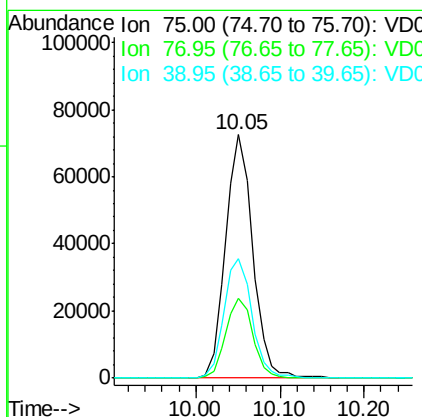
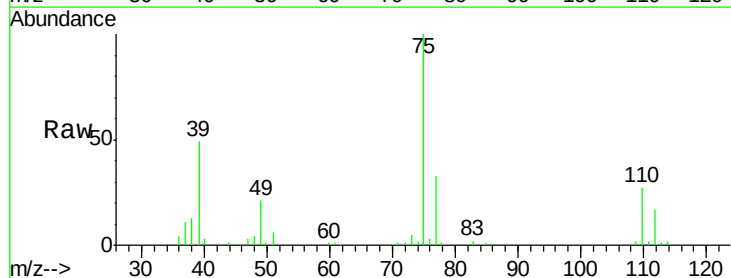
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS02

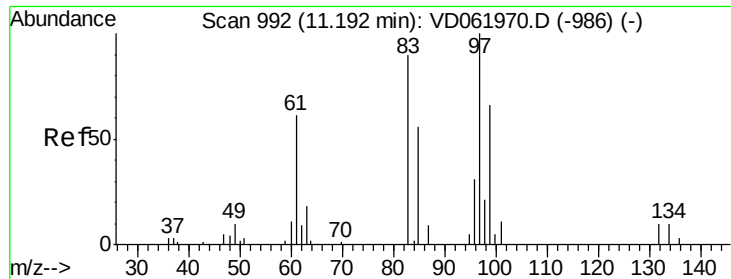
Tot Ion: 75 Resp: 121534
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.549 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Tgt Ion: 75 Resp: 163037
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.5 38.3
 39 48.8 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 20.928 ug/l

RT: 11.20 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

Tot Ion: 97 Resp: 76971

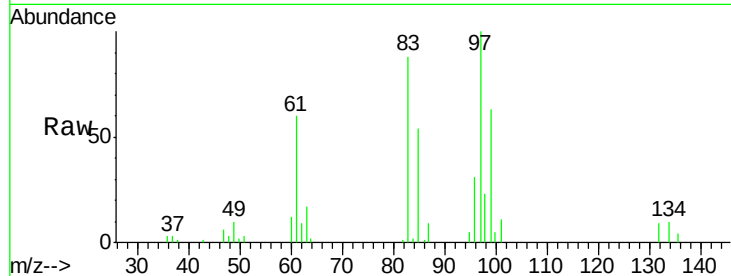
Ion Ratio Lower Upper

97 100

83 88.2 65.7 98.5

85 53.6 45.6 68.4

99 62.7 48.4 72.6

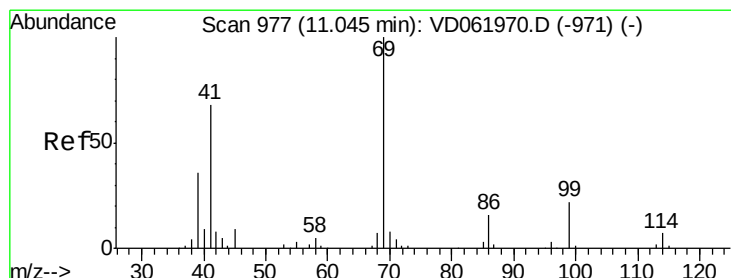
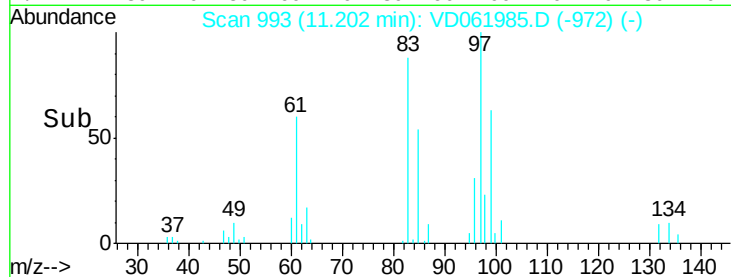
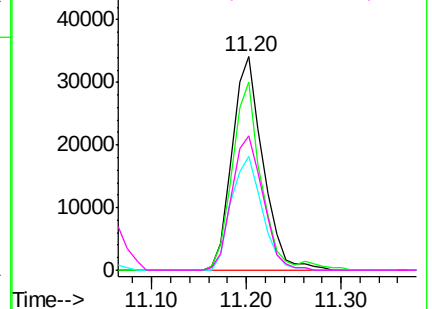


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.352 ug/l

RT: 11.05 min Scan# 978

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

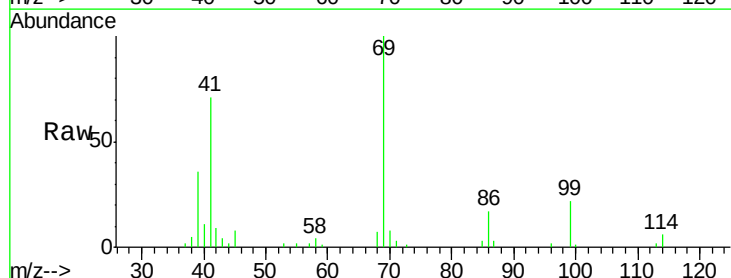
Tgt Ion: 69 Resp: 82901

Ion Ratio Lower Upper

69 100

41 70.9 56.3 84.5

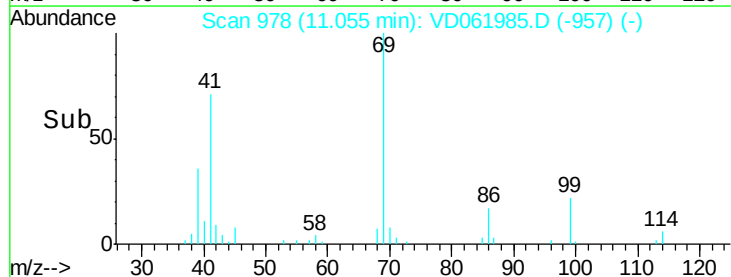
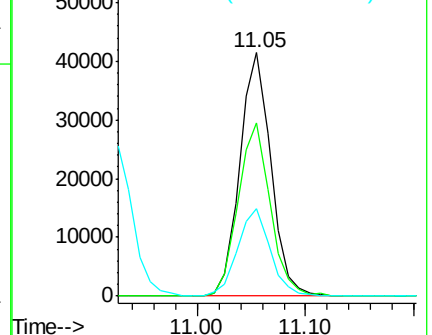
39 35.7 29.4 44.2

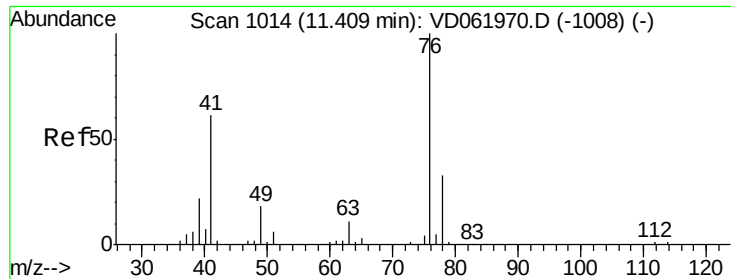


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.825 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

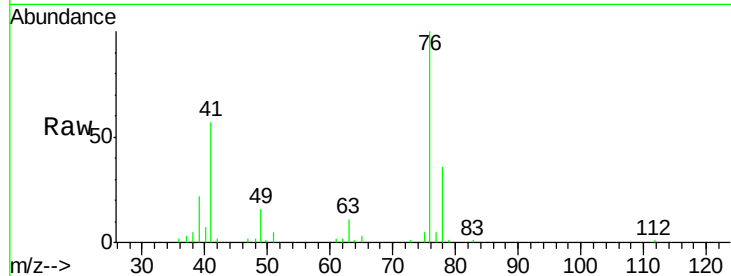
VD0423SBS02

Tot Ion: 76 Resp: 112615

Ion Ratio Lower Upper

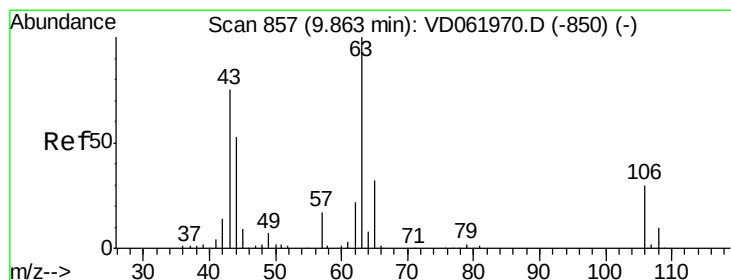
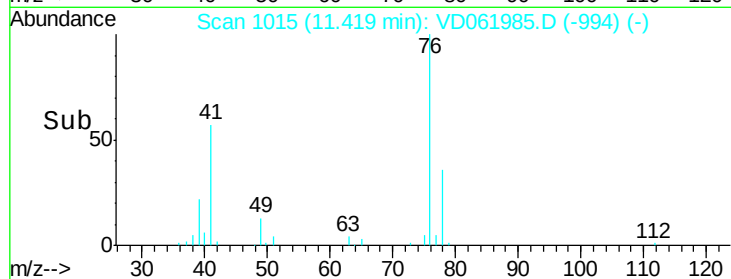
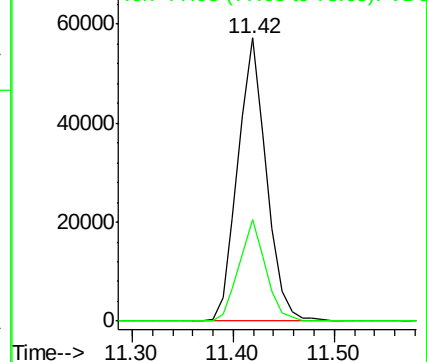
76 100

78 36.1 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 135.231 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD061985.D

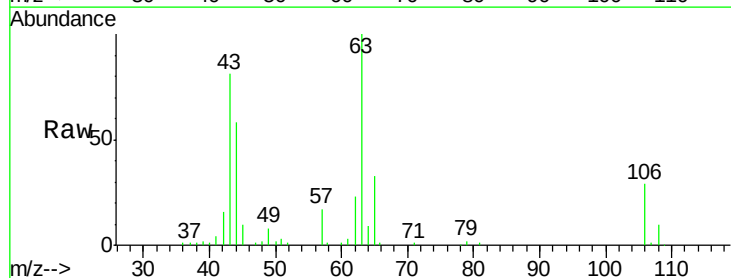
Acq: 24 Apr 2019 1:30

Tgt Ion: 63 Resp: 256108

Ion Ratio Lower Upper

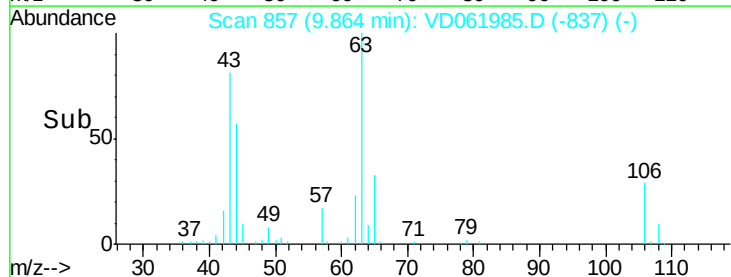
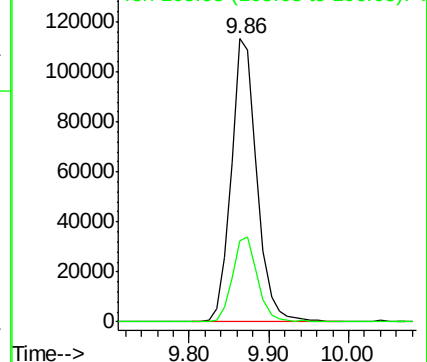
63 100

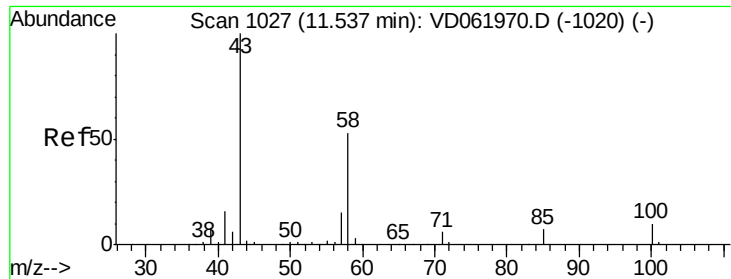
106 28.7 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

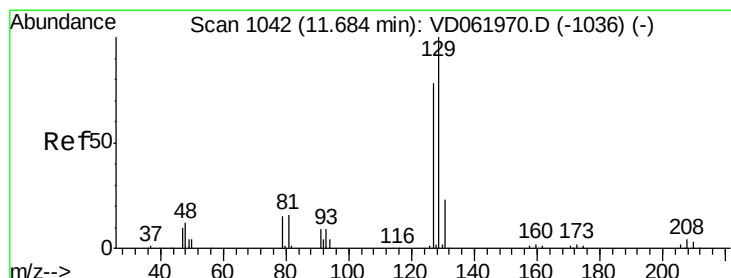
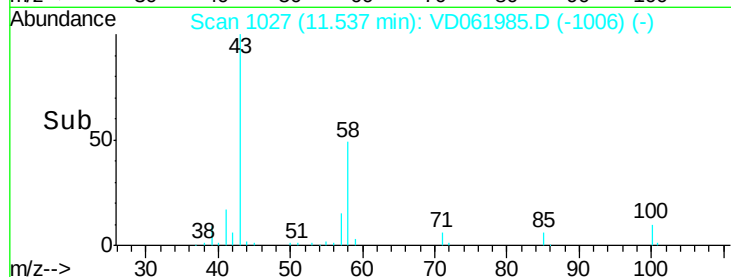
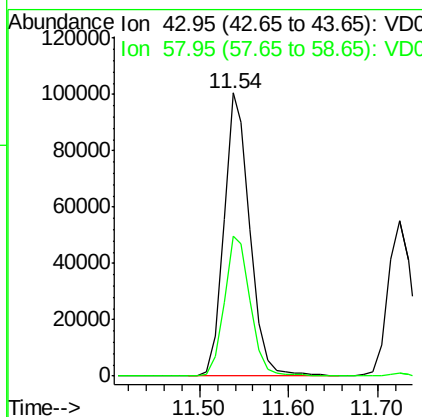
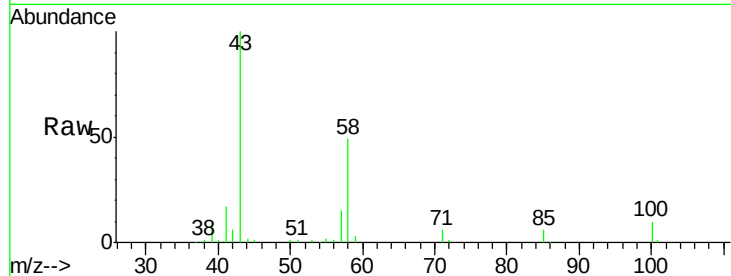




#59
2-Hexanone
Concen: 102.812 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

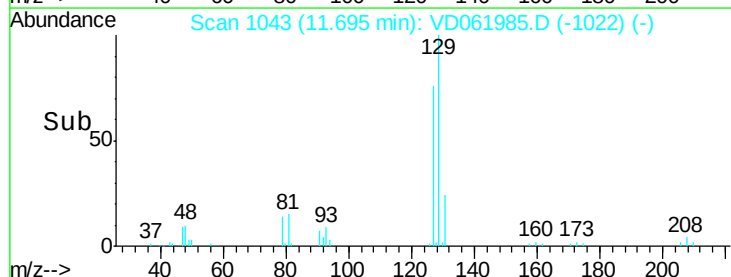
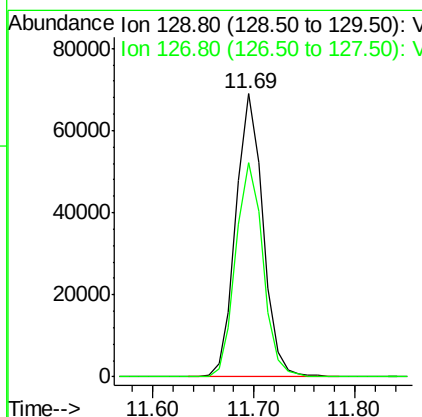
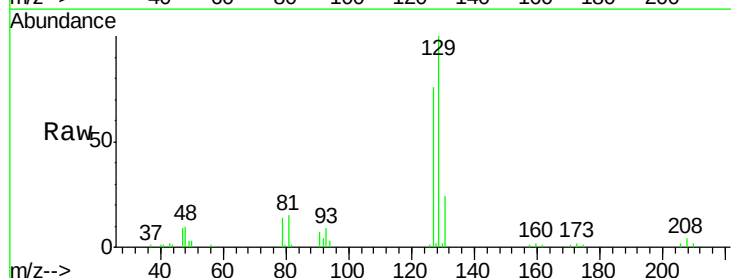
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS02

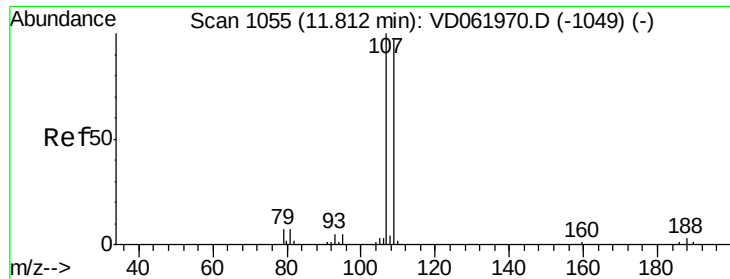
Tot Ion: 43 Resp: 203817
Ion Ratio Lower Upper
43 100
58 49.4 25.4 76.4



#60
Dibromochloromethane
Concen: 21.295 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Tgt Ion: 129 Resp: 129595
Ion Ratio Lower Upper
129 100
127 75.6 38.0 113.9

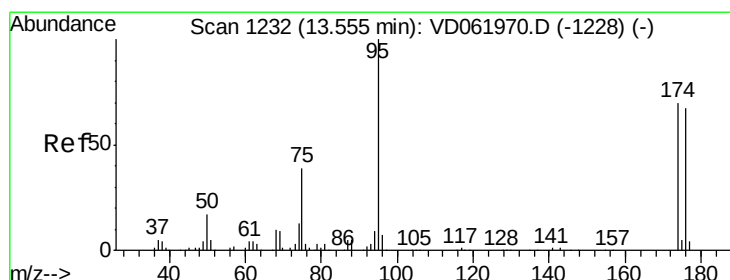
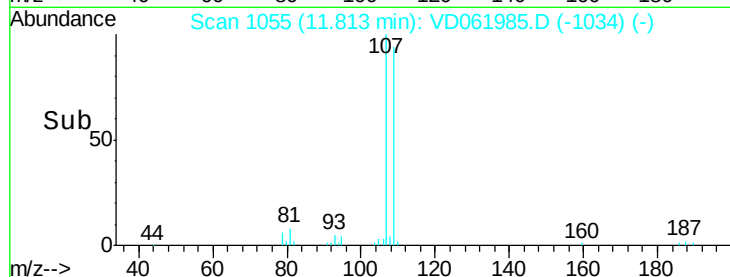
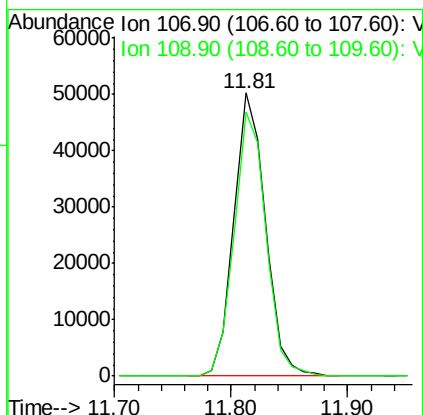
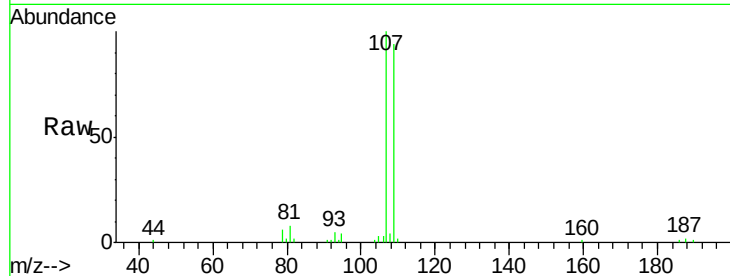




#61
 1,2-Dibromoethane
 Concen: 21.618 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

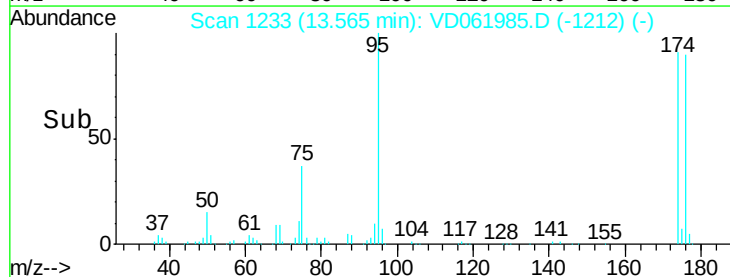
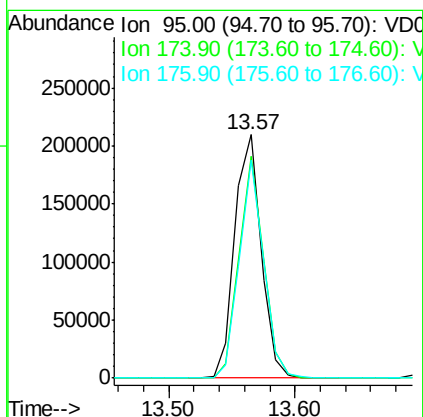
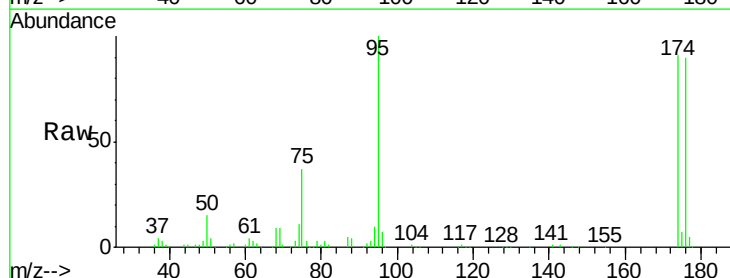
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS02

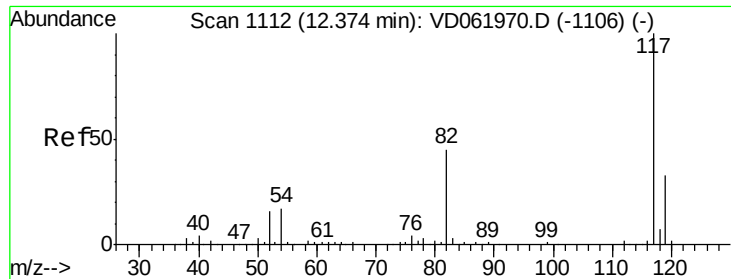
Tot Ion: 107 Resp: 94318
 Ion Ratio Lower Upper
 107 100
 109 93.6 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 21.618 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Tgt Ion: 95 Resp: 302095
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 181.8
 176 89.7 0.0 174.4

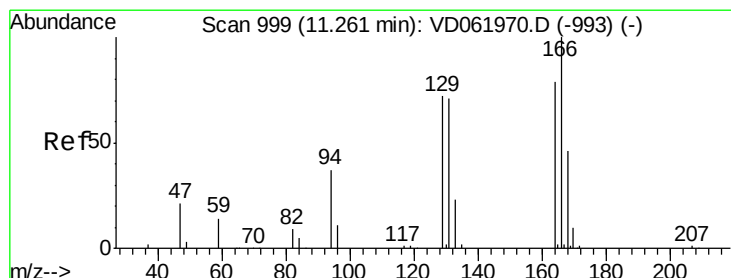
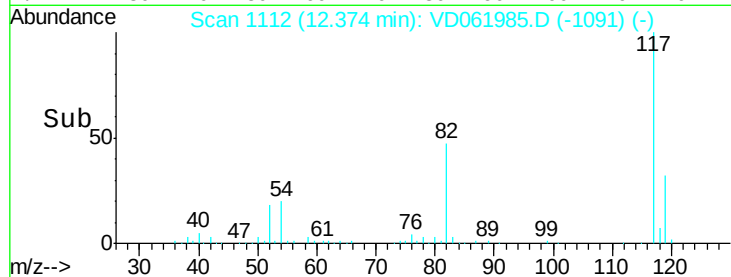
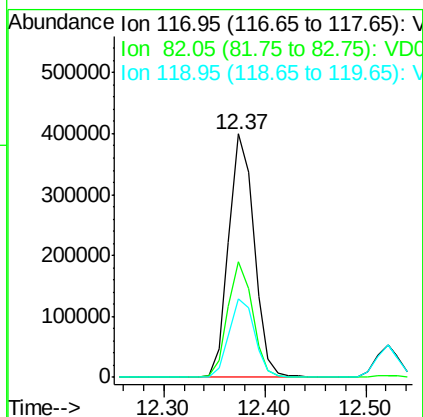
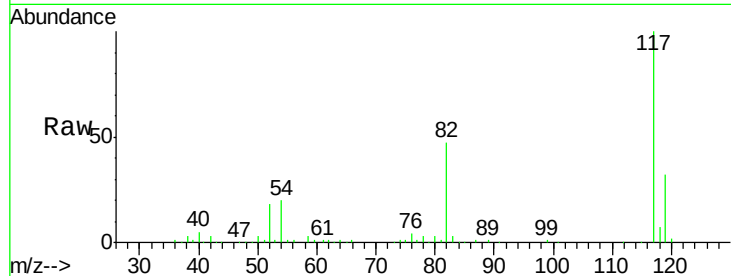




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

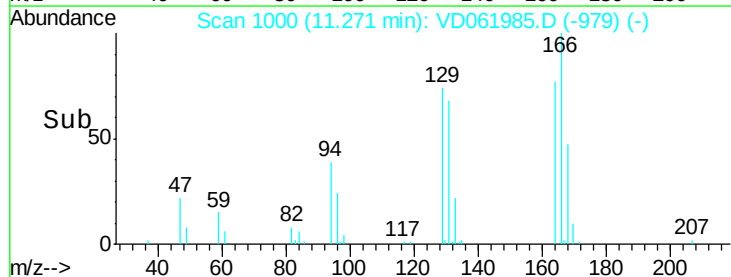
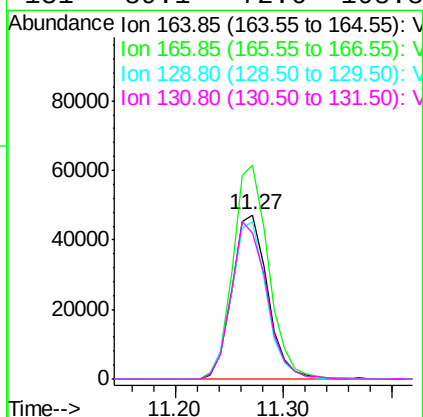
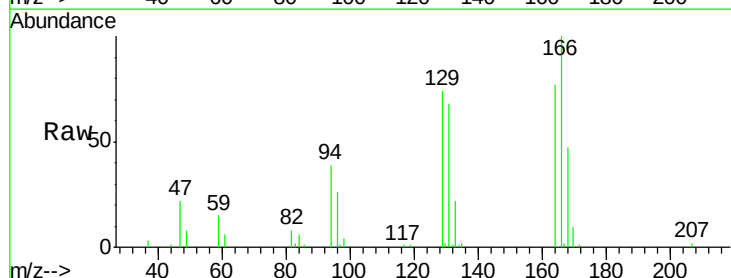
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS02

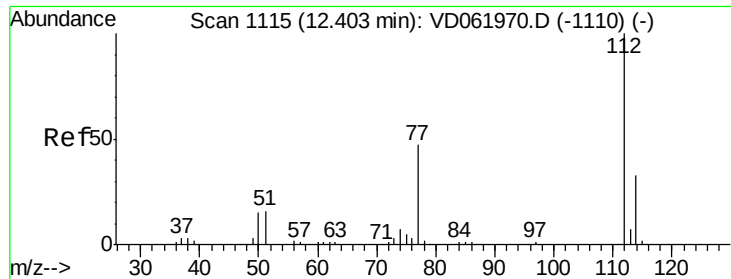
Tot Ion:117 Resp: 701665
Ion Ratio Lower Upper
117 100
82 47.4 36.2 54.2
119 32.5 26.2 39.4



#64
Tetrachloroethene
Concen: 21.509 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Tgt Ion:164 Resp: 107658
Ion Ratio Lower Upper
164 100
166 130.2 101.5 152.3
129 96.4 74.6 112.0
131 89.1 72.6 108.8

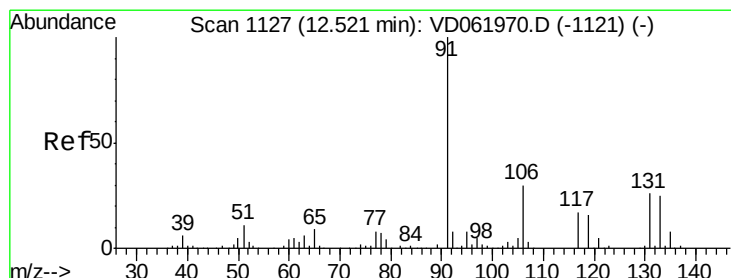
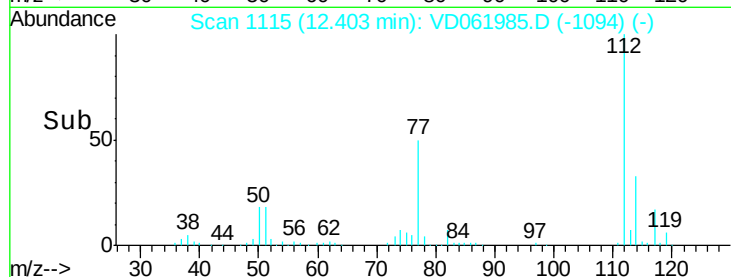
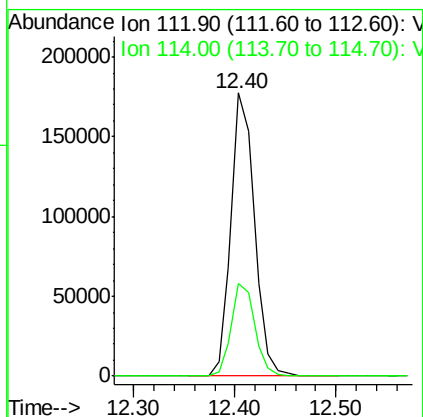
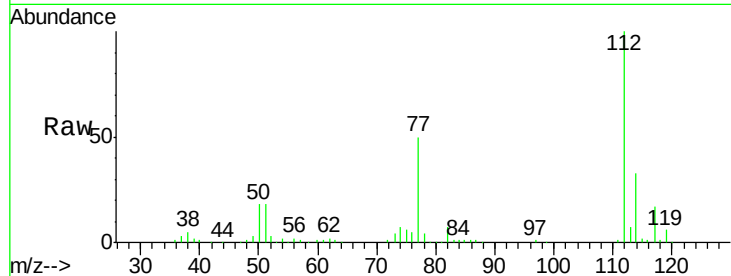




#65
Chlorobenzene
Concen: 21.688 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

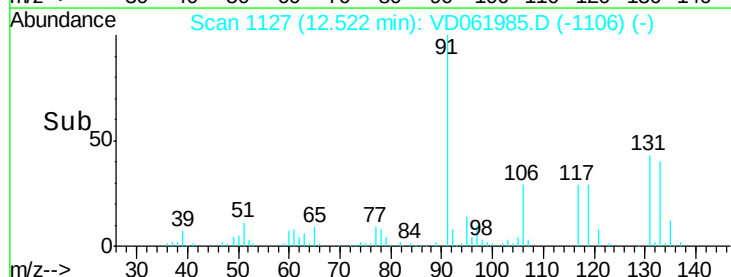
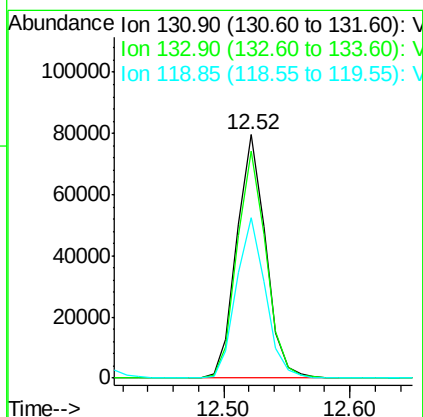
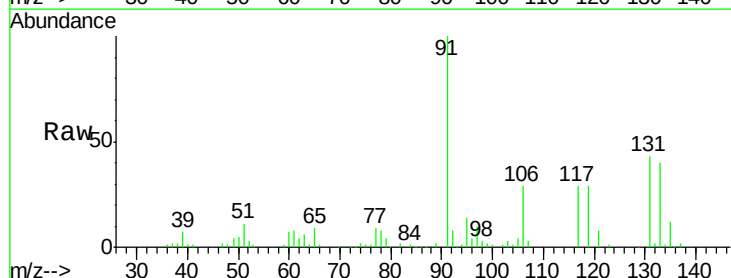
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS02

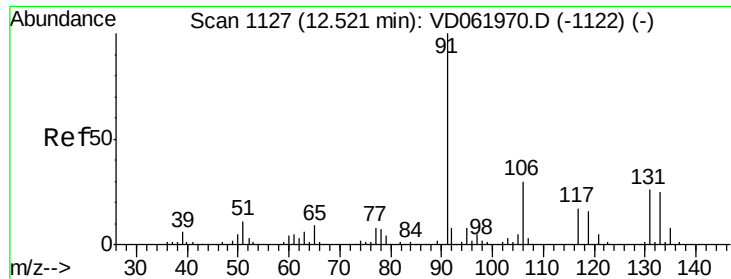
Tot Ion:112 Resp: 287567
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.431 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Tgt Ion:131 Resp: 126153
Ion Ratio Lower Upper
131 100
133 93.1 48.6 145.8
119 66.0 34.7 104.1

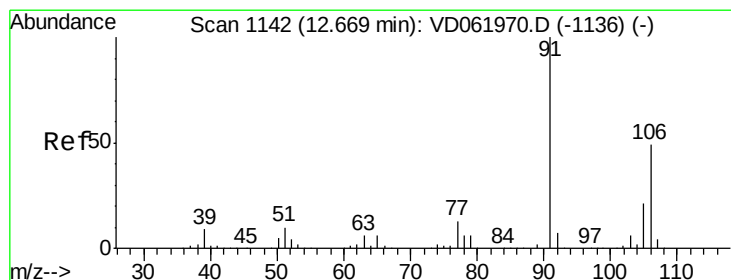
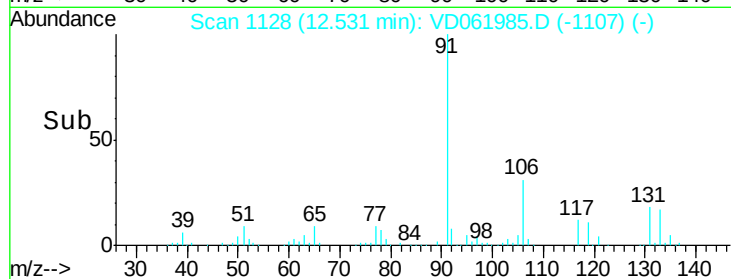
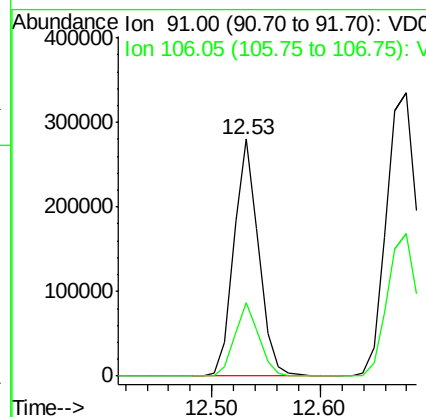
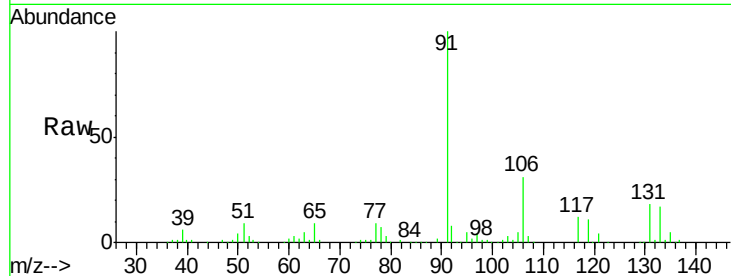




#67
Ethyl Benzene
Concen: 20.451 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

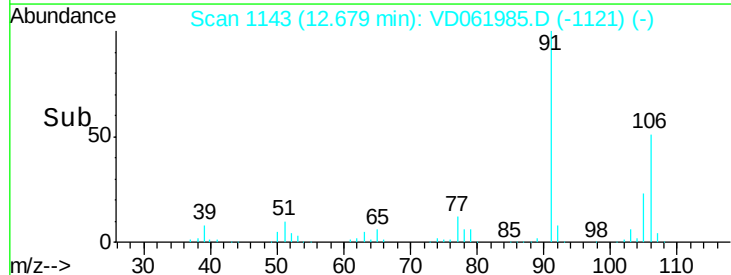
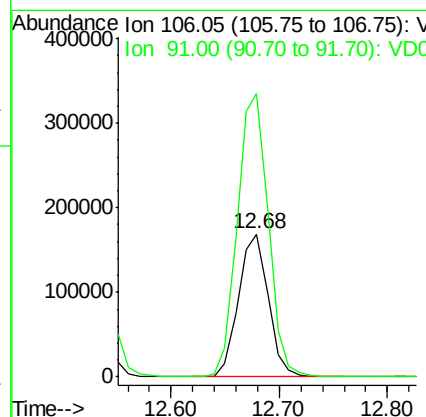
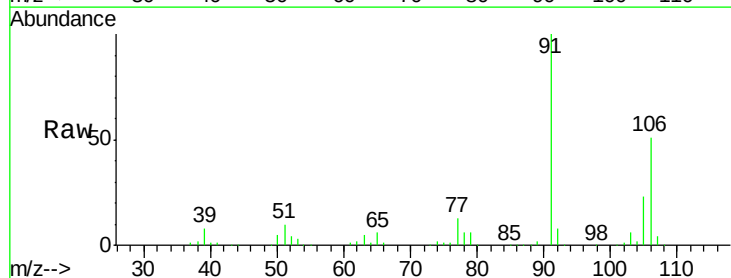
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS02

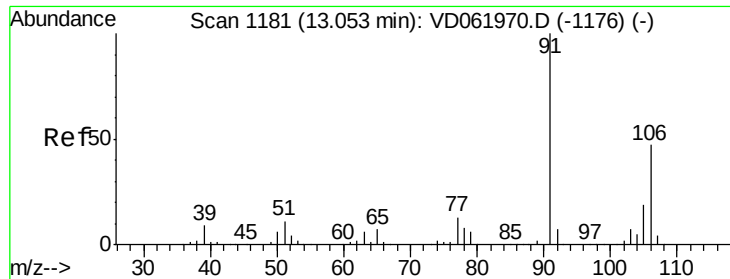
Tot Ion: 91 Resp: 442578
Ion Ratio Lower Upper
91 100
106 31.2 24.7 37.1



#68
m/p-Xylenes
Concen: 41.214 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Tgt Ion: 106 Resp: 322360
Ion Ratio Lower Upper
106 100
91 197.7 164.0 246.0

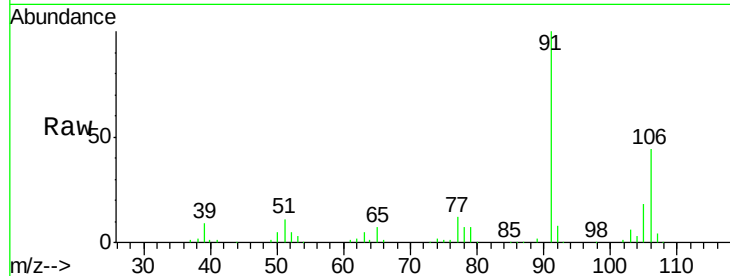




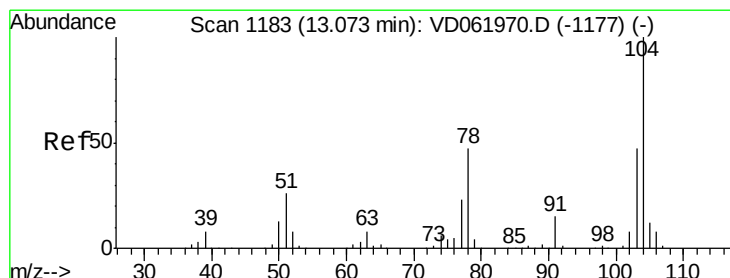
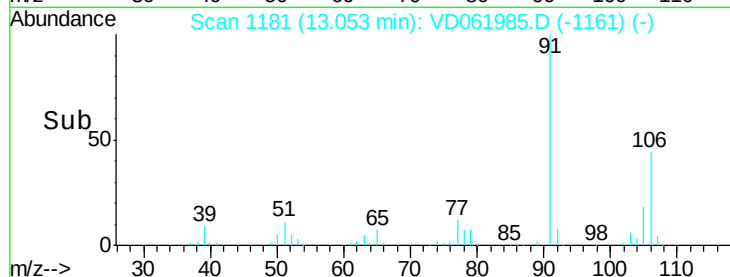
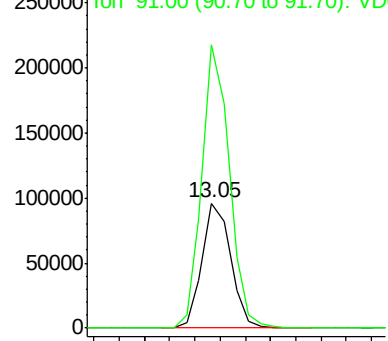
#69
o-Xylene
Concen: 21.039 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS02

Tot Ion:106 Resp: 150567
Ion Ratio Lower Upper
106 100
91 226.5 106.7 319.9

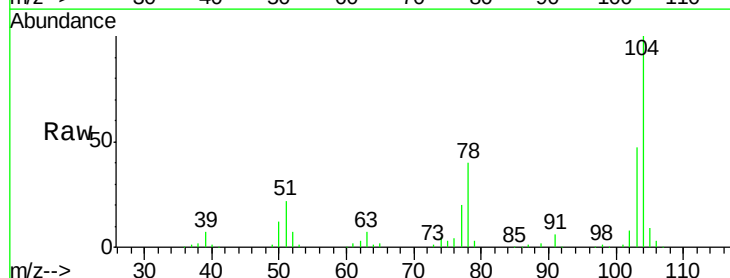


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

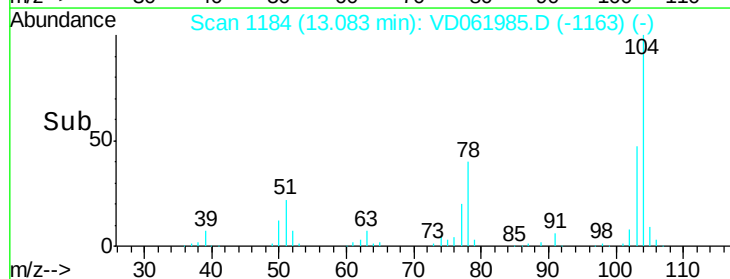
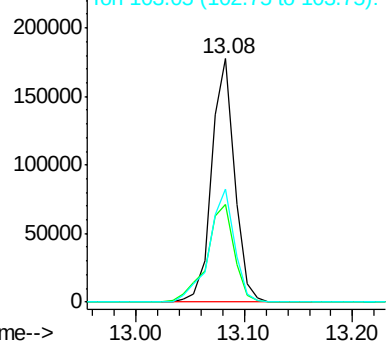


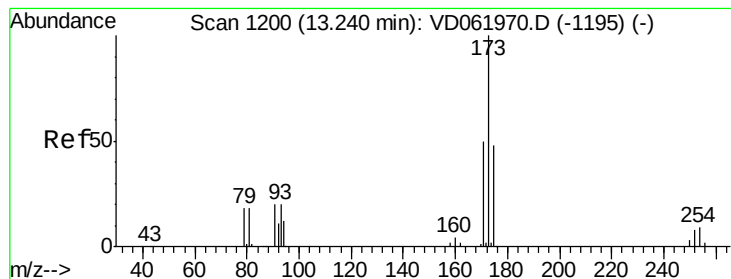
#70
Styrene
Concen: 21.066 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Tgt Ion:104 Resp: 260322
Ion Ratio Lower Upper
104 100
78 40.3 35.4 53.2
103 46.6 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: 23.644 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

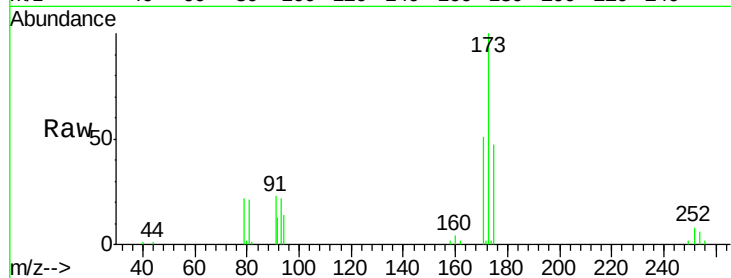
Tot Ion:173 Resp: 75813

Ion Ratio Lower Upper

173 100

175 46.7 24.4 73.4

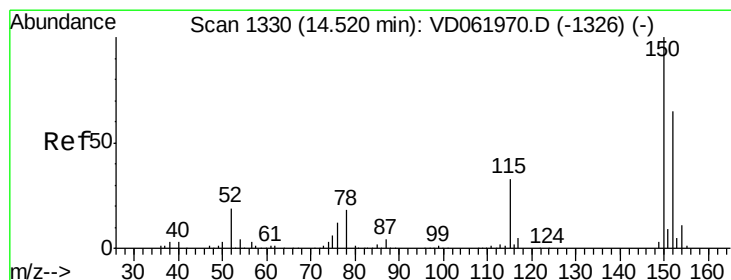
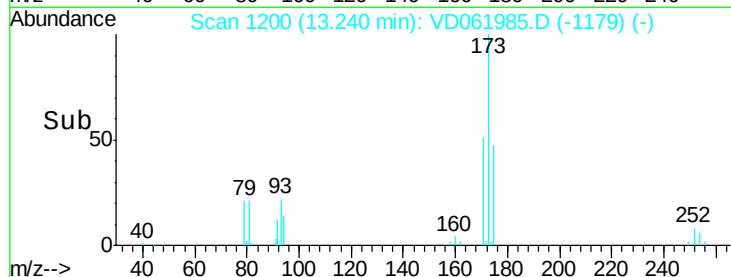
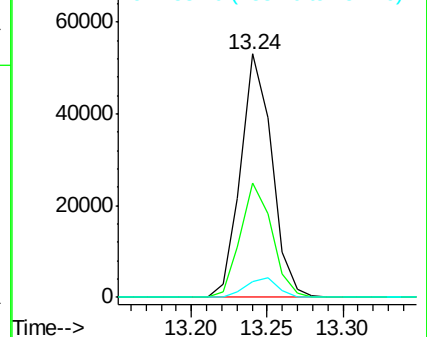
254 6.5 5.4 8.2



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

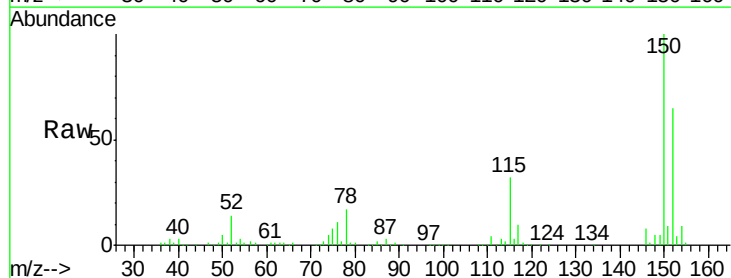
Tgt Ion:152 Resp: 335542

Ion Ratio Lower Upper

152 100

115 50.0 30.9 92.7

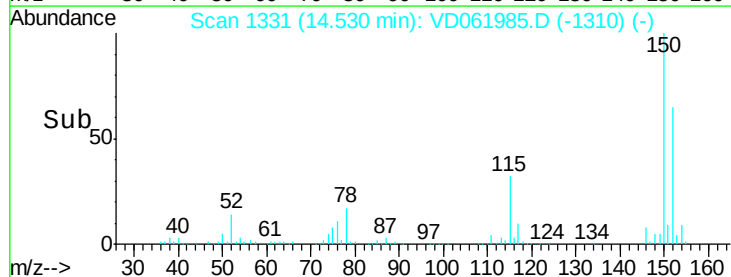
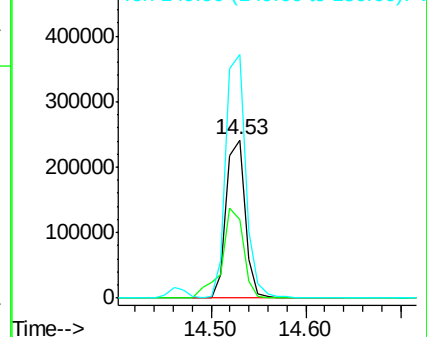
150 154.1 0.0 314.8

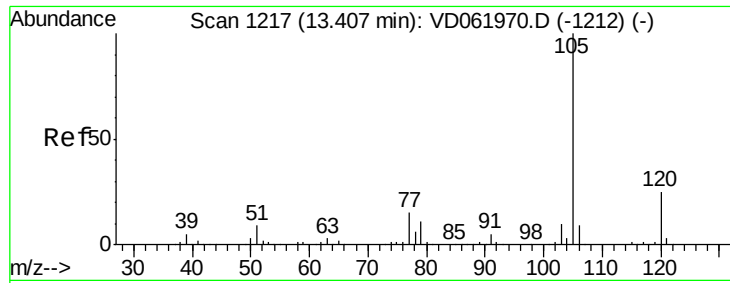


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

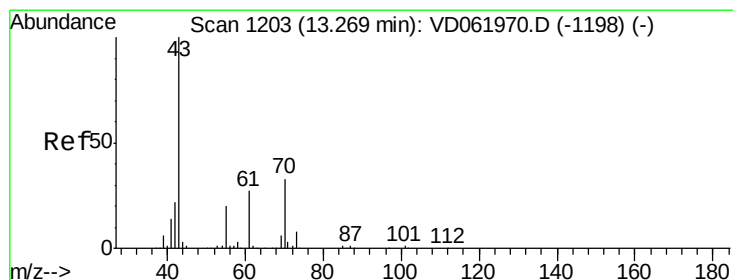
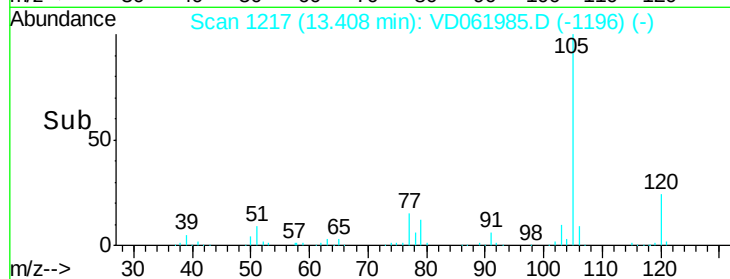
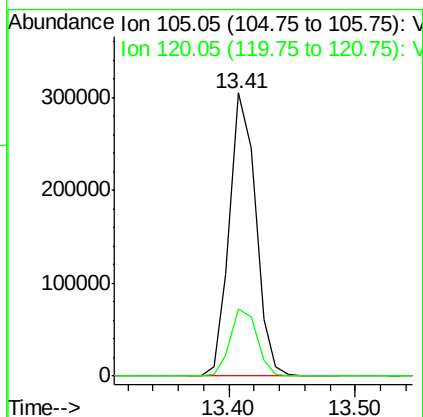
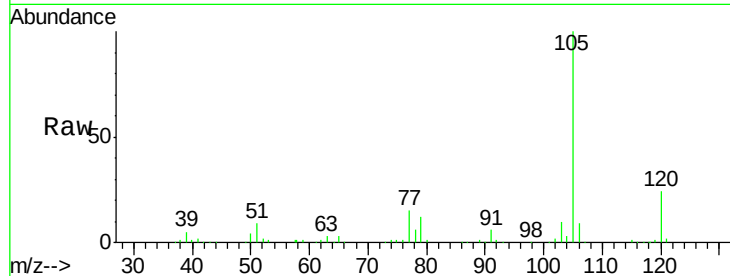




#73
Isopropylbenzene
Concen: 19.659 ug/l
RT: 13.41 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

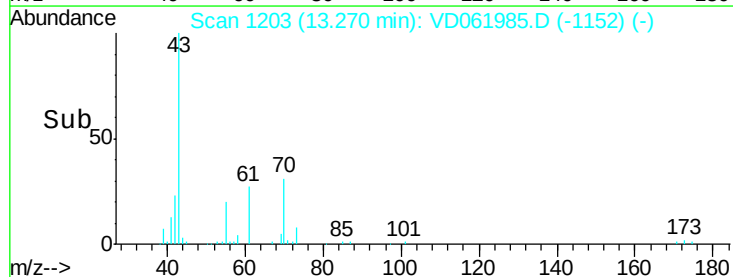
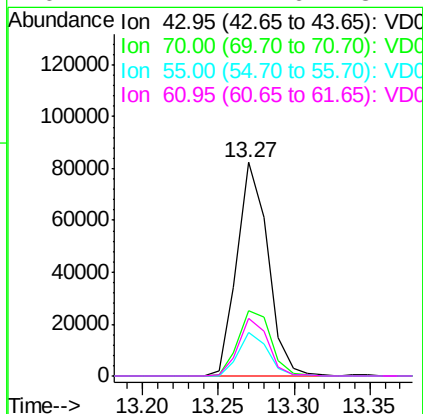
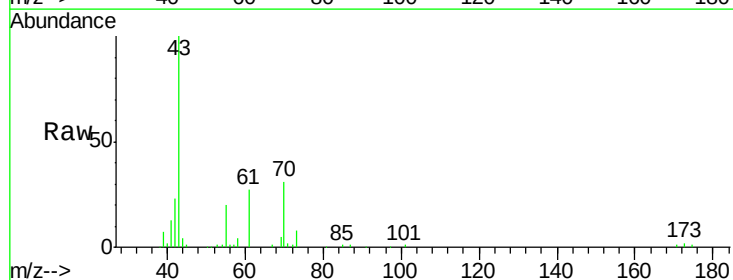
Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS02

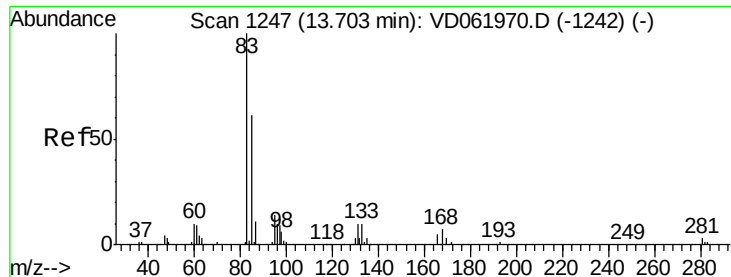
Tot Ion:105 Resp: 440019
Ion Ratio Lower Upper
105 100
120 23.8 12.0 36.1



#74
N-ethyl acetate
Concen: 20.403 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Tgt Ion: 43 Resp: 117610
Ion Ratio Lower Upper
43 100
70 30.5 24.2 36.4
55 20.1 16.0 24.0
61 27.1 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.140 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

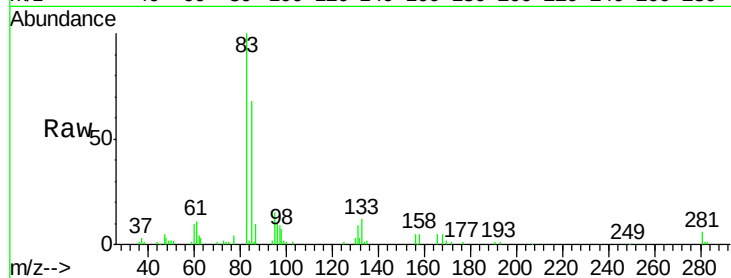
Tot Ion: 83 Resp: 97112

Ion Ratio Lower Upper

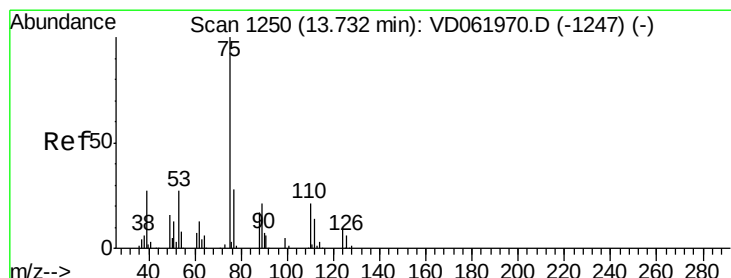
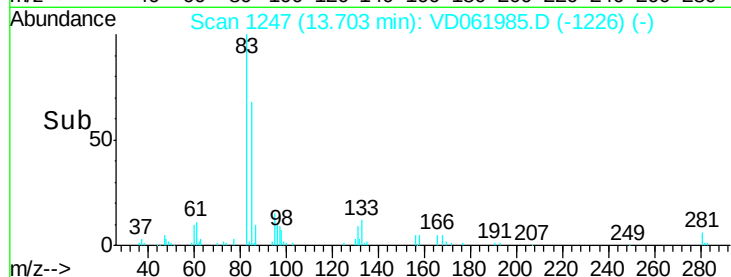
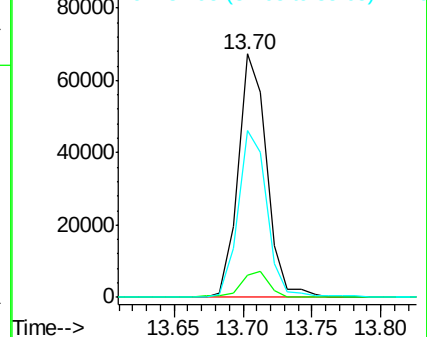
83 100

131 8.9 5.0 14.9

85 68.4 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: 22.991 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061985.D

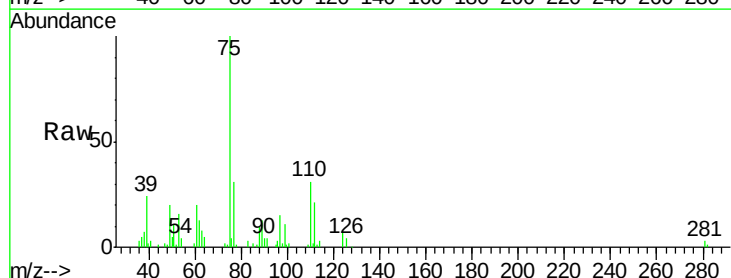
Acq: 24 Apr 2019 1:30

Tgt Ion: 75 Resp: 97963

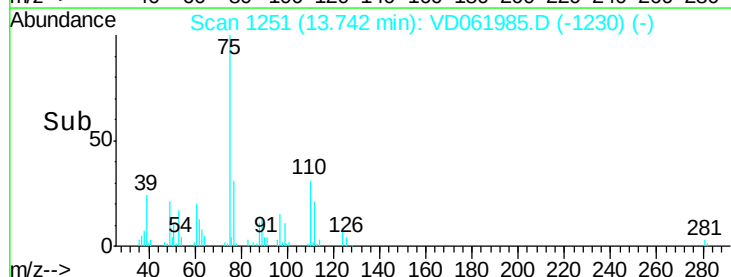
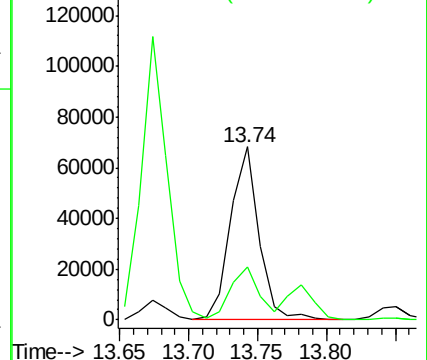
Ion Ratio Lower Upper

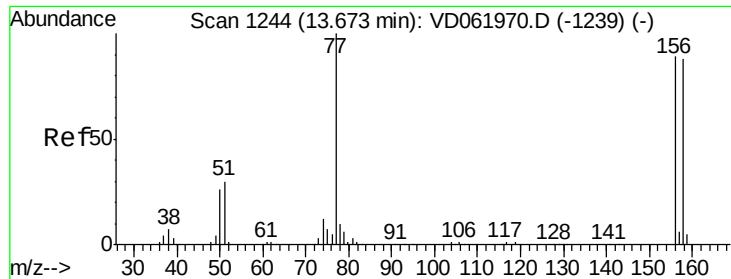
75 100

77 30.6 16.4 49.4



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





#77

Bromobenzene

Concen: 18.623 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

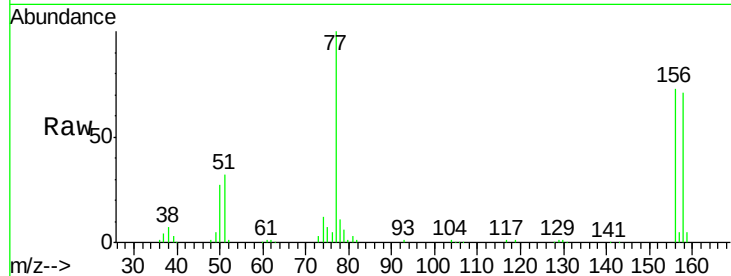
Tot Ion:156 Resp: 119580

Ion Ratio Lower Upper

156 100

77 136.7 53.1 159.4

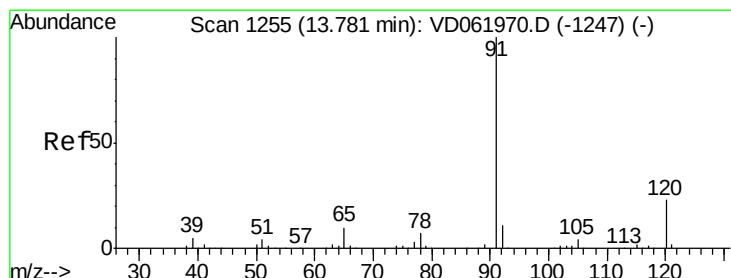
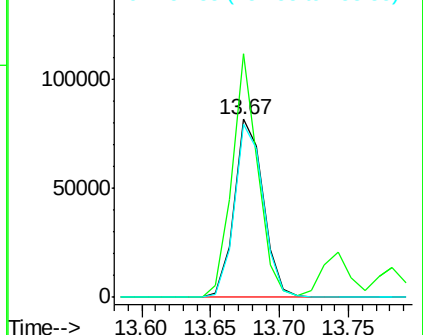
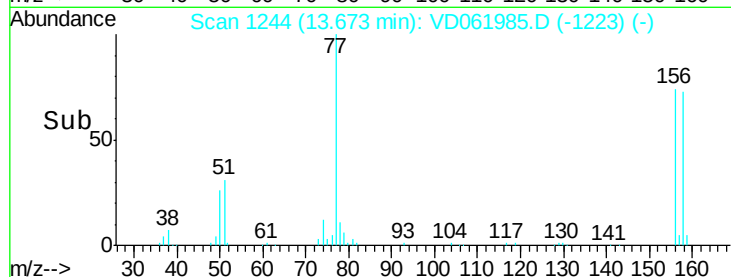
158 97.5 49.4 148.0



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: 19.316 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061985.D

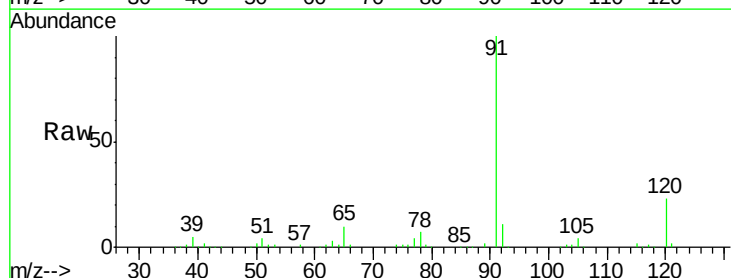
Acq: 24 Apr 2019 1:30

Tgt Ion: 91 Resp: 494937

Ion Ratio Lower Upper

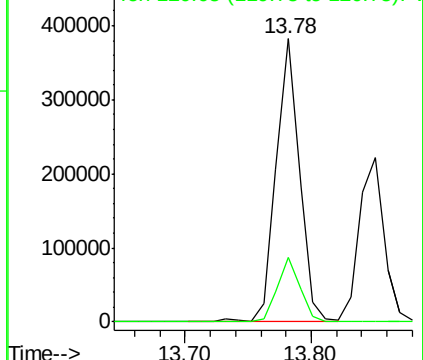
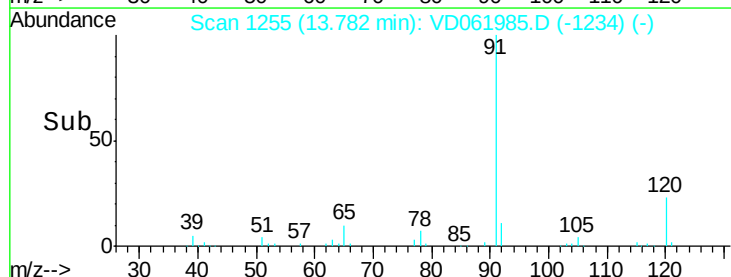
91 100

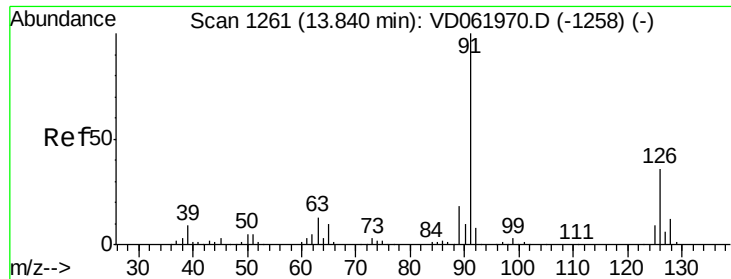
120 22.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

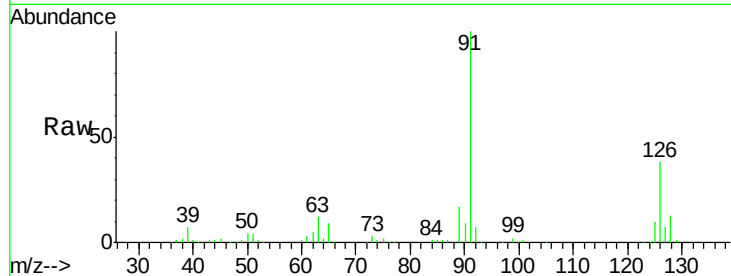




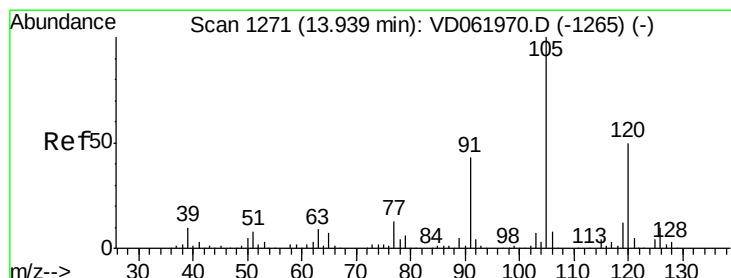
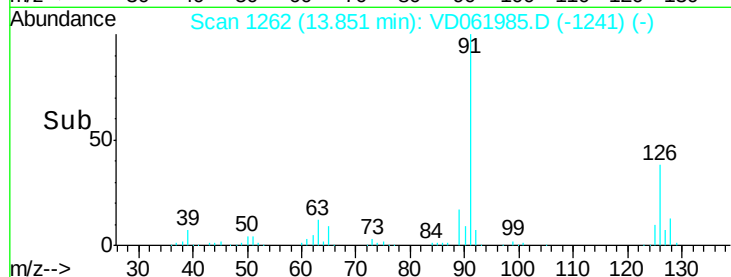
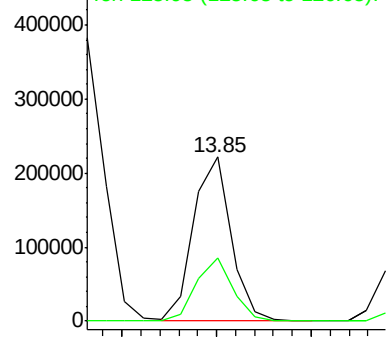
#79
 2-Chlorotoluene
 Concen: 19.565 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS02

Tot Ion: 91 Resp: 303657
 Ion Ratio Lower Upper
 91 100
 126 38.4 18.6 55.8

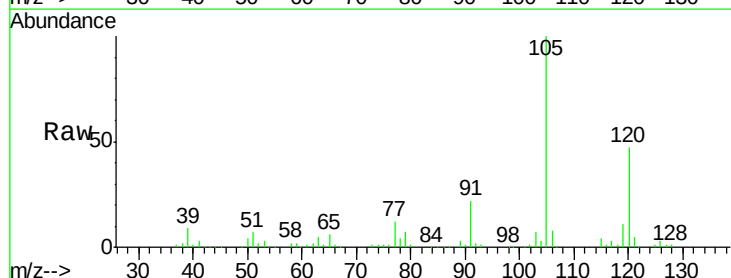


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

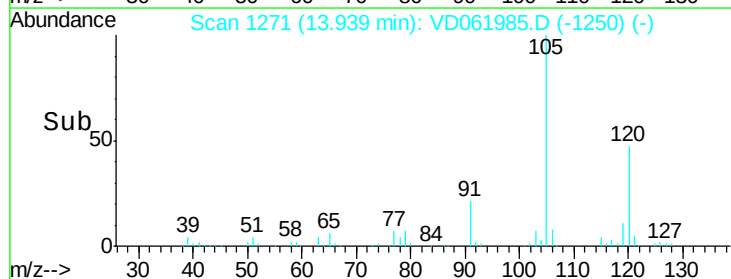
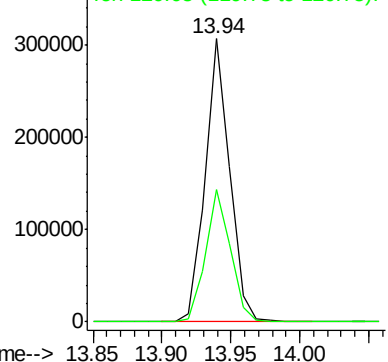


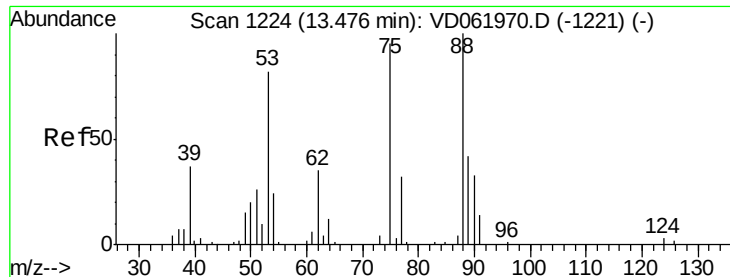
#80
 1,3,5-Trimethylbenzene
 Concen: 21.139 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Tgt Ion: 105 Resp: 377280
 Ion Ratio Lower Upper
 105 100
 120 46.9 24.0 72.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.128 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

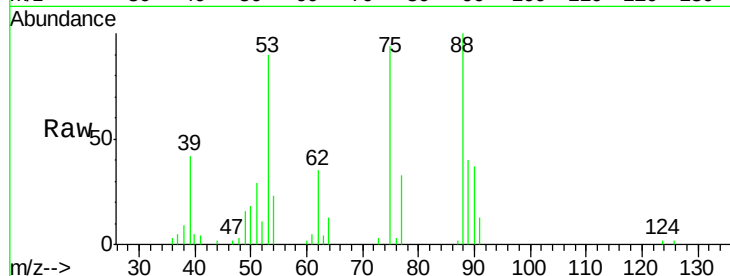
Tot Ion: 75 Resp: 23407

Ion Ratio Lower Upper

75 100

53 95.4 65.8 98.8

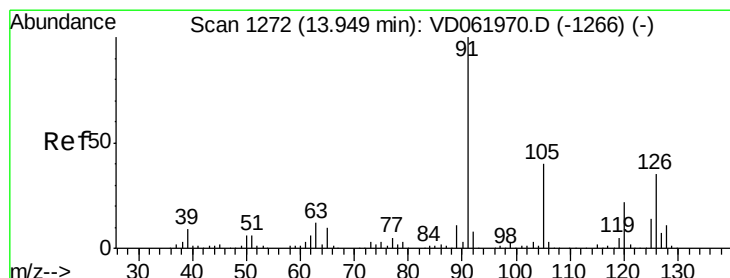
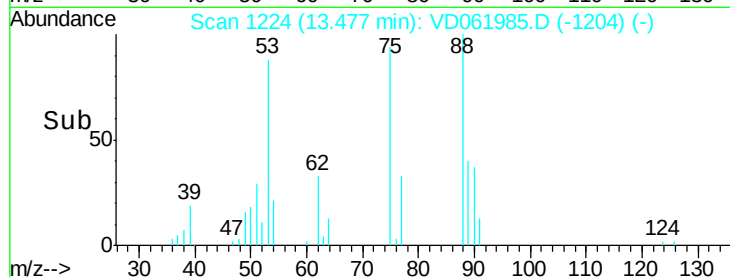
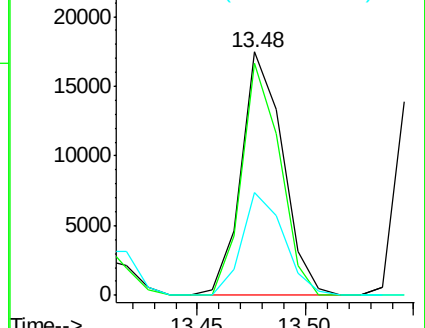
89 42.1 35.0 52.6



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: 21.008 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061985.D

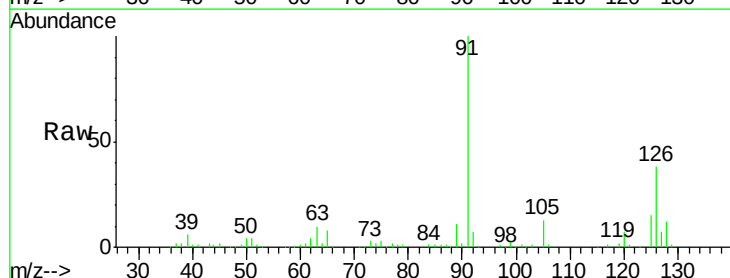
Acq: 24 Apr 2019 1:30

Tgt Ion: 91 Resp: 359077

Ion Ratio Lower Upper

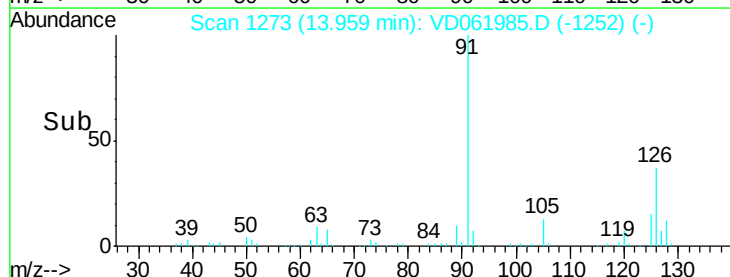
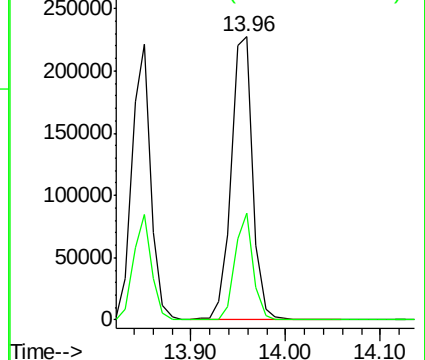
91 100

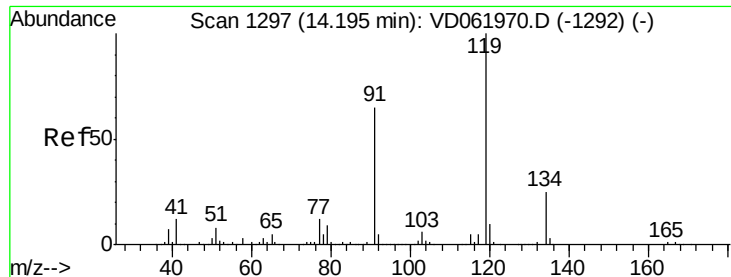
126 37.7 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

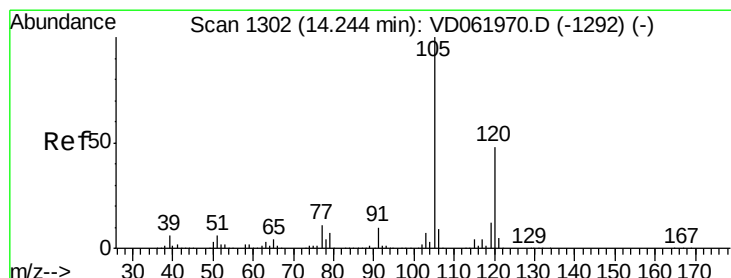
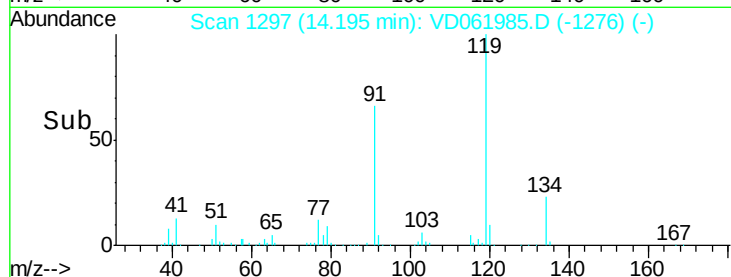
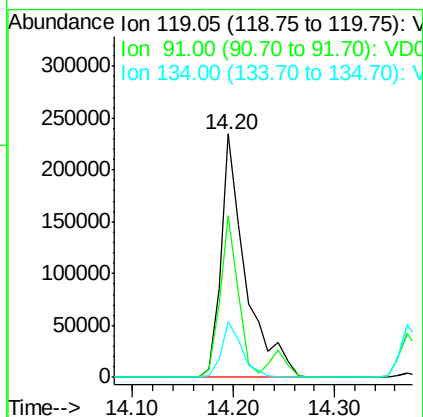
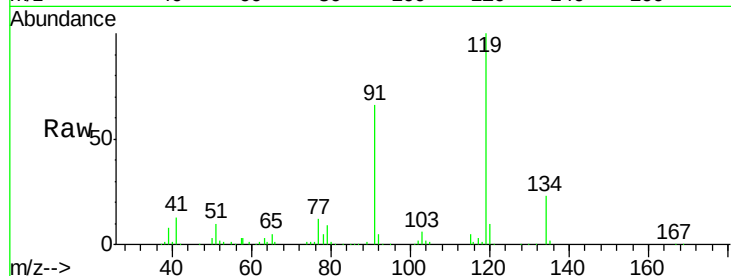




#83
 tert-Butylbenzene
 Concen: 19.371 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

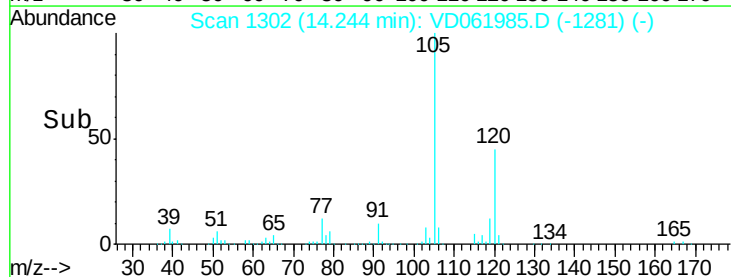
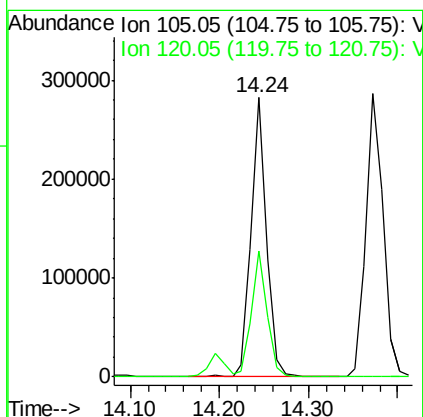
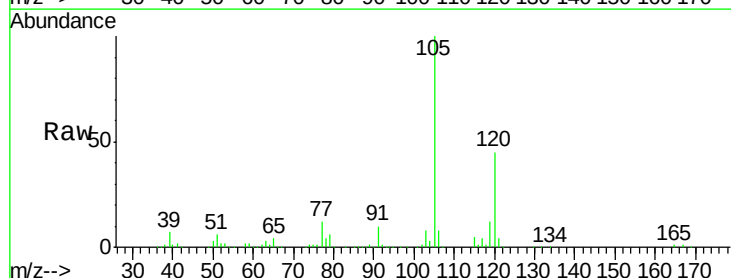
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS02

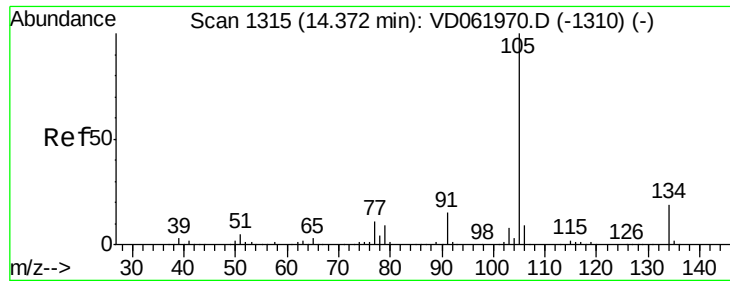
Tot Ion:119 Resp: 400503
 Ion Ratio Lower Upper
 119 100
 91 66.4 34.2 102.6
 134 22.9 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.662 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Tgt Ion:105 Resp: 335059
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.1 69.2





#85

sec-Butylbenzene

Concen: 17.012 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

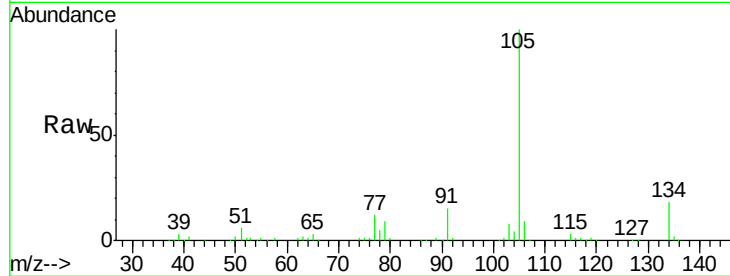
VD0423SBS02

Tot Ion:105 Resp: 380040

Ion Ratio Lower Upper

105 100

134 17.8 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

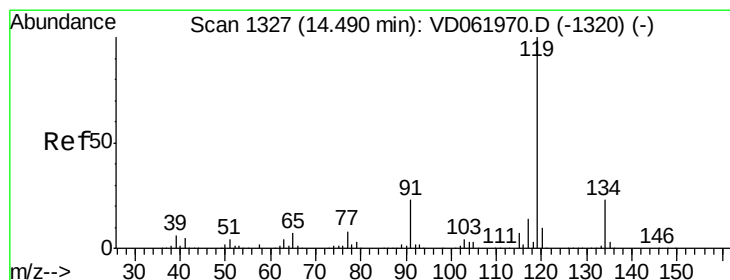
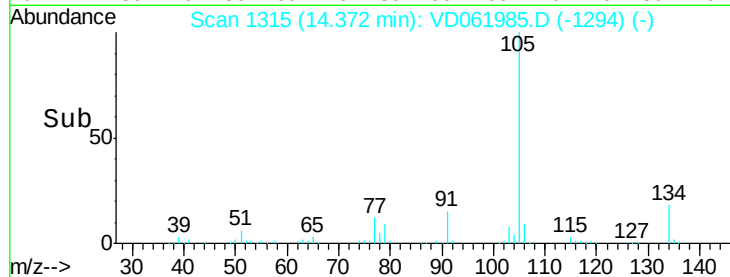
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.748 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

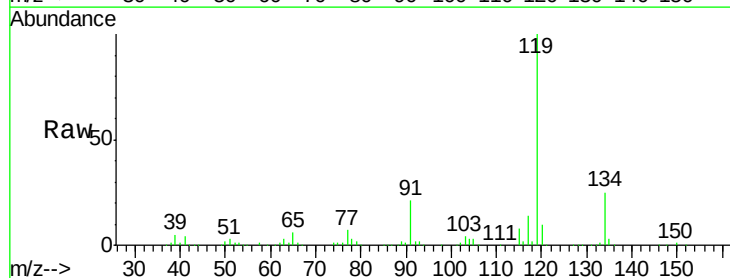
Tgt Ion:119 Resp: 374841

Ion Ratio Lower Upper

119 100

134 24.9 12.8 38.3

91 21.0 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.50

400000

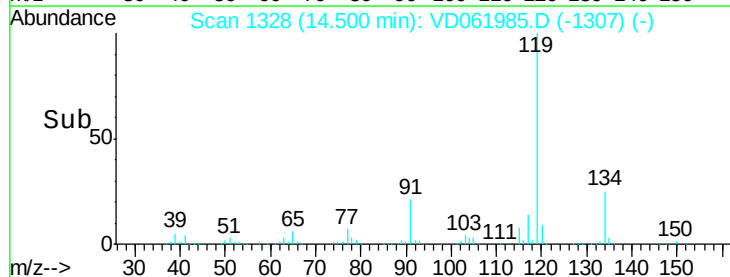
300000

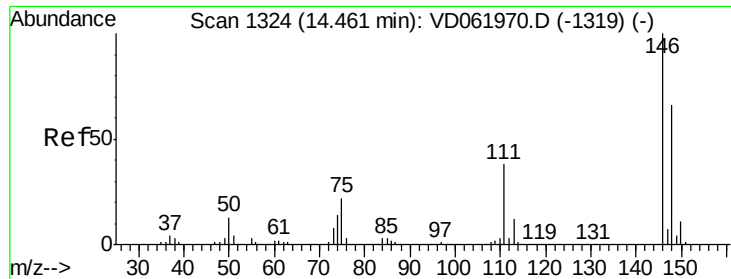
200000

100000

0

Time-->

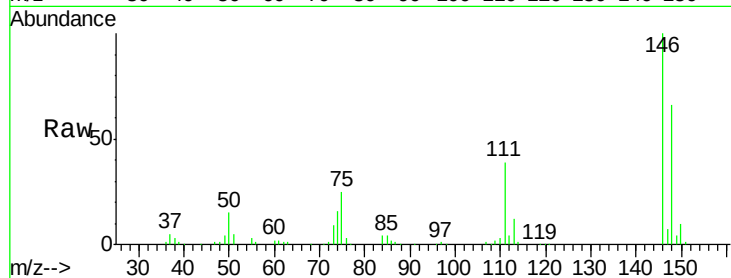




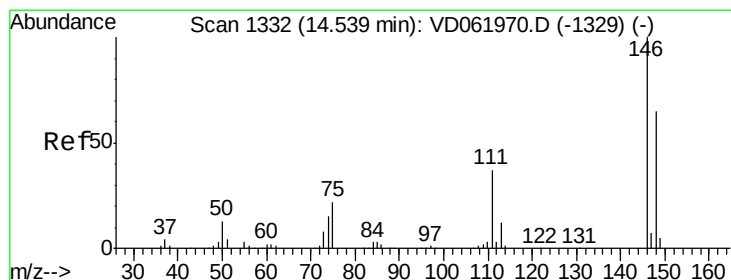
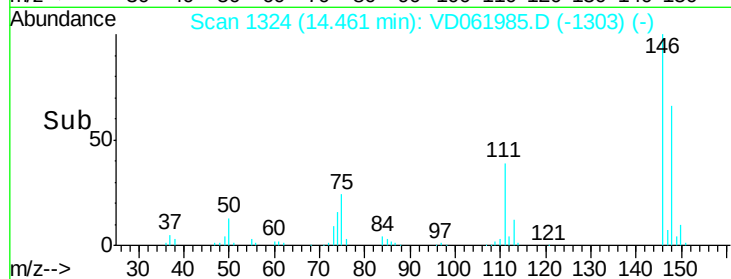
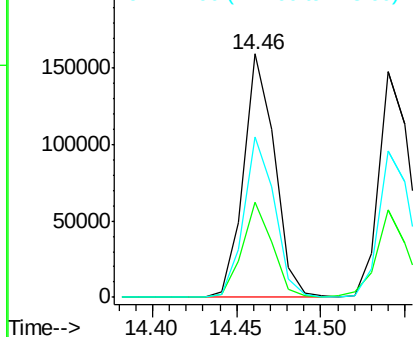
#87
 1,3-Dichlorobenzene
 Concen: 18.172 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS02

Tot Ion:146 Resp: 204333
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.0 60.0
 148 65.6 31.8 95.4

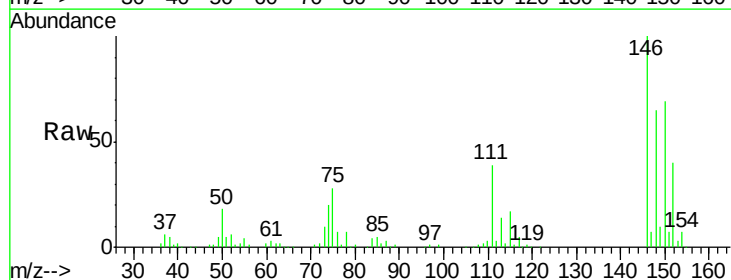


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

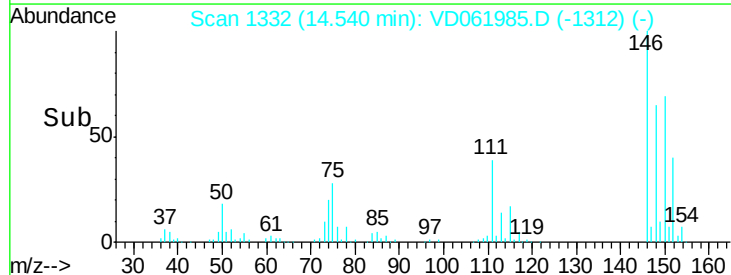
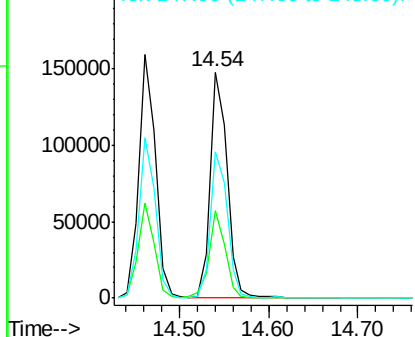


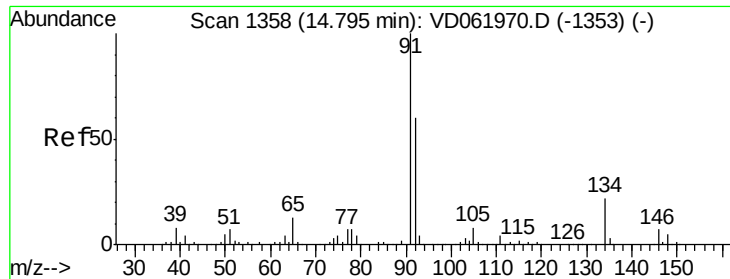
#88
 1,4-Dichlorobenzene
 Concen: 18.590 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Tgt Ion:146 Resp: 195481
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.2 60.5
 148 64.6 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: 18.317 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061985.D

Acq: 24 Apr 2019 1:30

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBS02

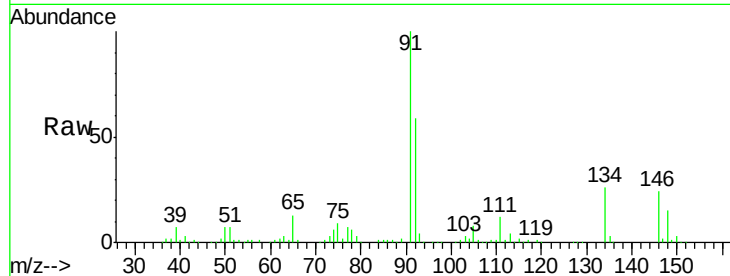
Tot Ion: 91 Resp: 328784

Ion Ratio Lower Upper

91 100

92 58.5 30.3 91.0

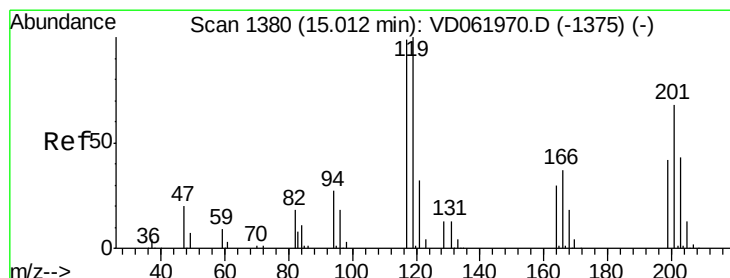
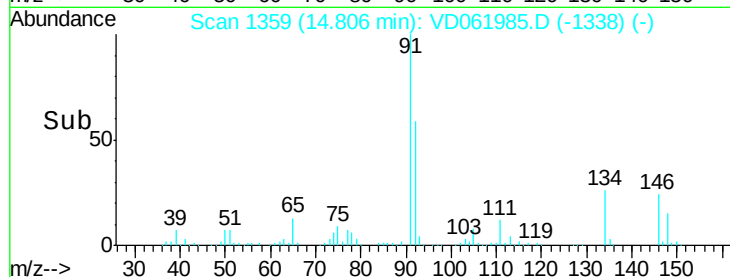
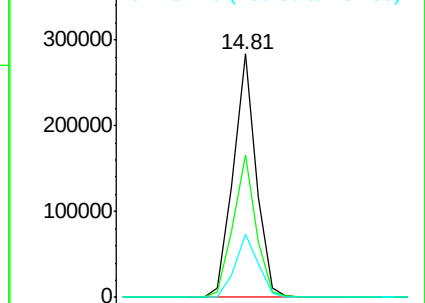
134 25.8 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.804 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.01 min

Lab File: VD061985.D

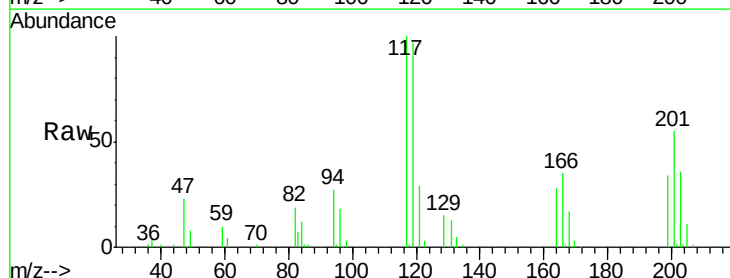
Acq: 24 Apr 2019 1:30

Tgt Ion: 117 Resp: 101662

Ion Ratio Lower Upper

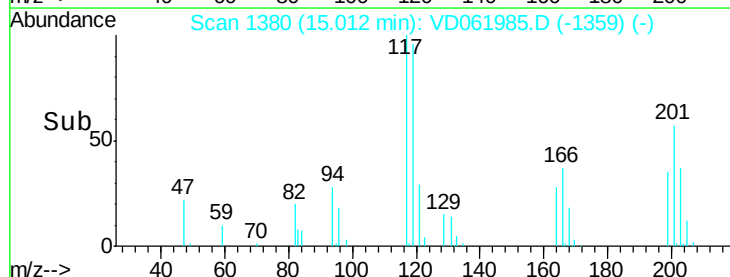
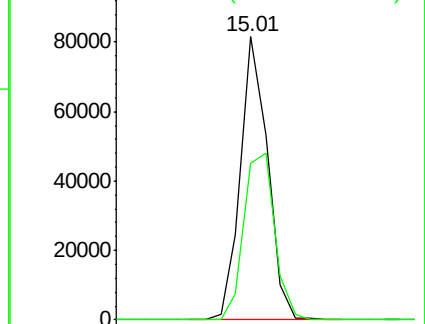
117 100

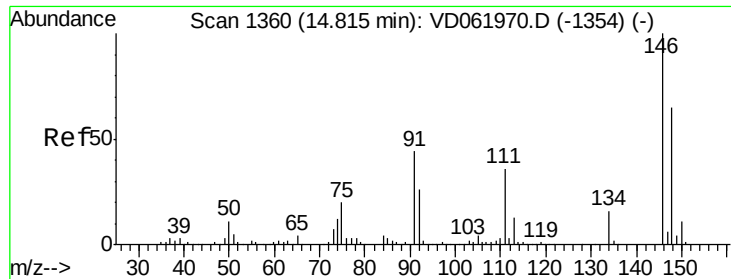
201 55.4 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

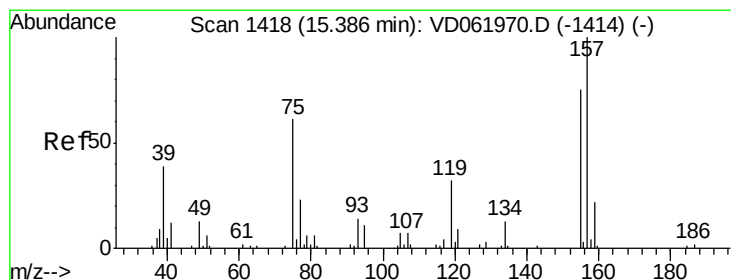
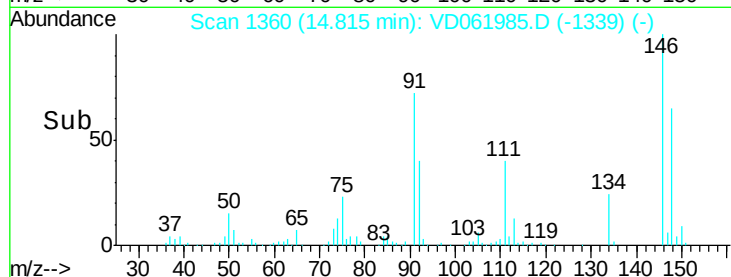
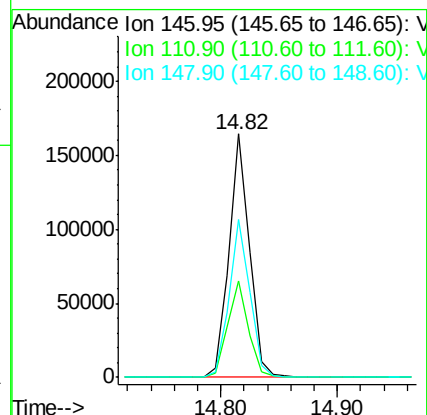
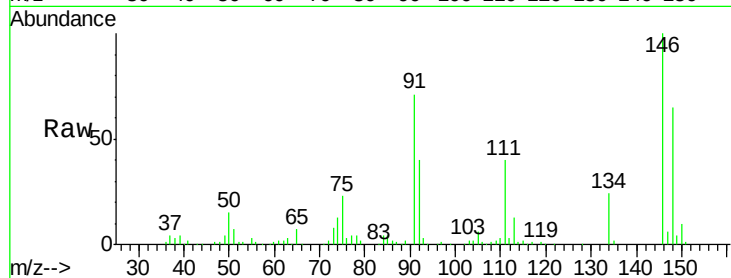




#91
 1,2-Dichlorobenzene
 Concen: 21.465 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

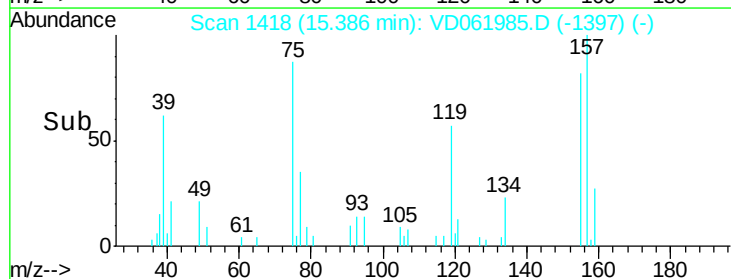
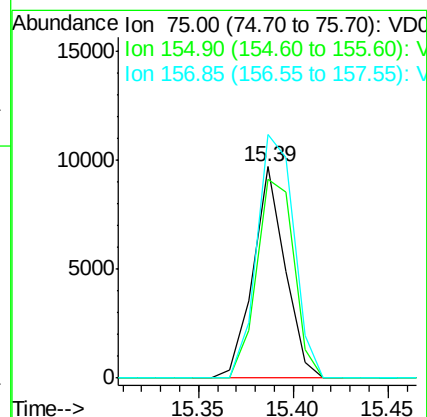
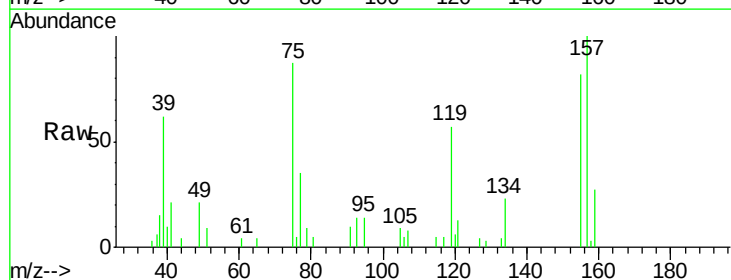
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS02

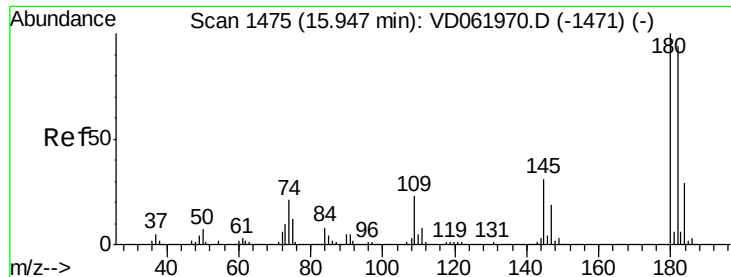
Tot Ion:146 Resp: 199092
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 64.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.204 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Tgt Ion: 75 Resp: 11334
 Ion Ratio Lower Upper
 75 100
 155 94.3 55.3 165.8
 157 115.2 67.8 203.2

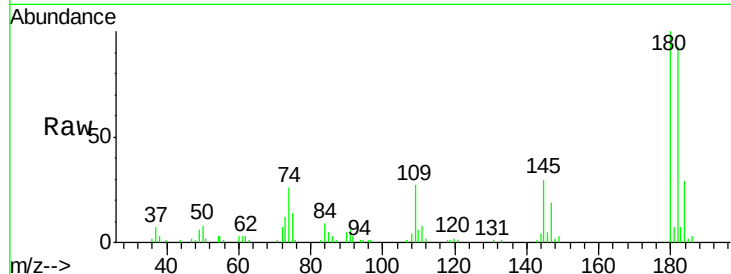




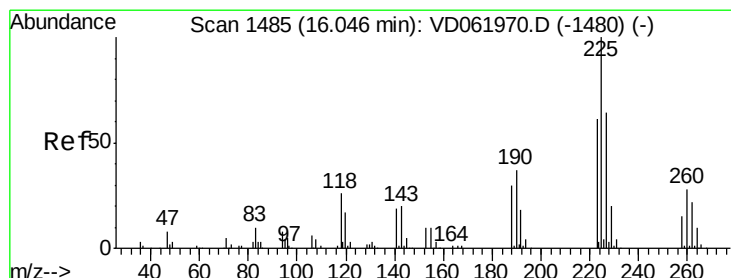
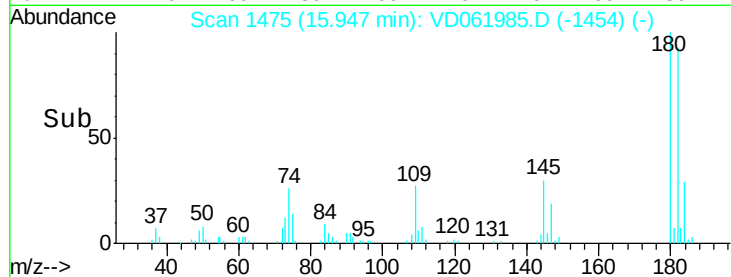
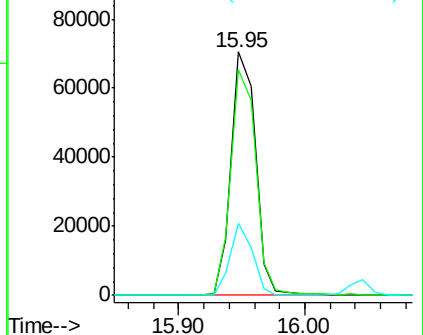
#93
 1,2,4-Trichlorobenzene
 Concen: 18.870 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS02

Tot Ion:180 Resp: 94437
 Ion Ratio Lower Upper
 180 100
 182 92.6 49.3 147.8
 145 29.9 16.2 48.6

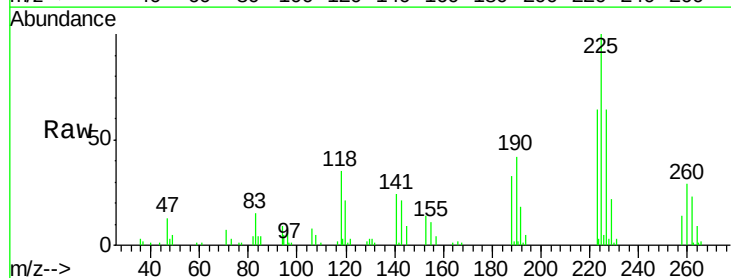


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

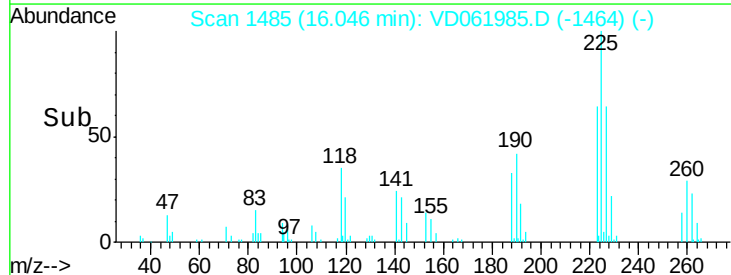
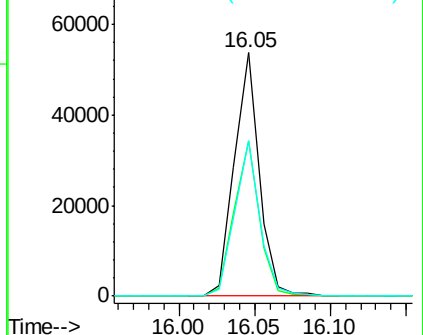


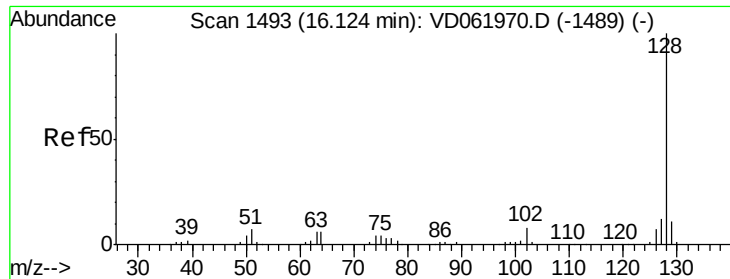
#94
 Hexachlorobutadiene
 Concen: 16.577 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061985.D
 Acq: 24 Apr 2019 1:30

Tgt Ion:225 Resp: 61392
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.6 92.0
 227 63.7 32.0 96.2



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

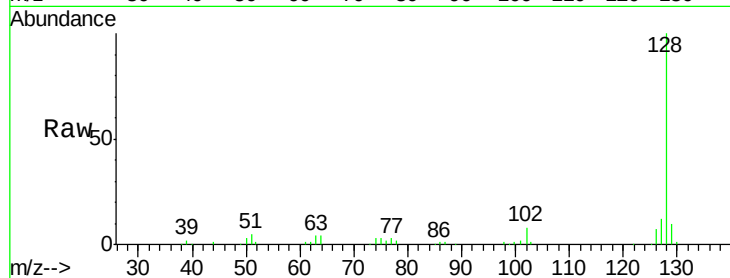




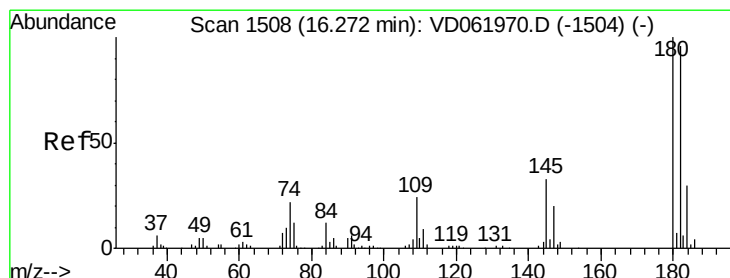
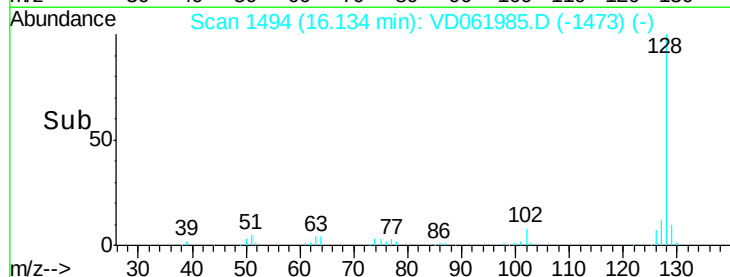
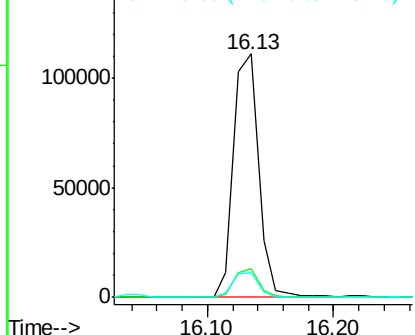
#95
Naphthalene
Concen: 18.887 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBS02

Tot Ion:128 Resp: 152617
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.8
129 10.3 8.8 13.2

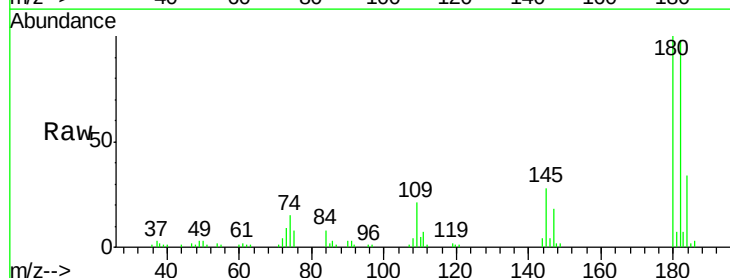


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 23.433 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.02 min
Lab File: VD061985.D
Acq: 24 Apr 2019 1:30

Tgt Ion:180 Resp: 66539
Ion Ratio Lower Upper
180 100
182 98.0 47.0 141.0
145 27.5 17.0 51.0



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

