

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061969.D
 Acq On : 23 Apr 2019 13:52
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 23 14:34:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 12:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	631674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1071042	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	912276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	425432	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	106142	17.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.76%	
35) Dibromofluoromethane	6.93	113	143417	17.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.84%	
50) Toluene-d8	10.41	98	361821	19.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.36%	
62) 4-Bromofluorobenzene	13.55	95	149692	18.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	115016	18.873	ug/l	98
3) Chloromethane	1.75	50	105623	21.985	ug/l	95
4) Vinyl Chloride	1.85	62	94249	21.884	ug/l	96
5) Bromomethane	2.14	94	21495	16.188	ug/l	96
6) Chloroethane	2.25	64	27259	16.619	ug/l	93
7) Trichlorofluoromethane	2.52	101	144687	20.745	ug/l	96
8) Diethyl Ether	2.87	74	37292	20.394	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	138320	22.293	ug/l	97
10) Methyl Iodide	3.31	142	123434	13.461	ug/l	96
11) Tert butyl alcohol	4.07	59	32542	102.929	ug/l	98
12) 1,1-Dichloroethene	3.13	96	114040	22.690	ug/l	95
13) Acrolein	3.04	56	32624	141.356	ug/l	90
14) Allyl chloride	3.62	41	149185	20.316	ug/l	96
15) Acrylonitrile	4.19	53	91235	92.737	ug/l	98
16) Acetone	3.22	43	126328	114.844	ug/l	95
17) Carbon Disulfide	3.38	76	309366	20.748	ug/l	98
18) Methyl Acetate	3.64	43	52698	18.970	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	221106	19.065	ug/l	97
20) Methylene Chloride	3.82	84	132798	18.785	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	124358	20.299	ug/l	99
22) Diisopropyl ether	5.12	45	319094	17.589	ug/l	96
23) Vinyl Acetate	5.06	43	888614	91.979	ug/l	100
24) 1,1-Dichloroethane	4.99	63	209567	19.627	ug/l	99
25) 2-Butanone	6.07	43	142283	92.842	ug/l	92
26) 2,2-Dichloropropane	6.02	77	179982	20.420	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	139614	19.312	ug/l	92
28) Bromochloromethane	6.44	49	82114	19.514	ug/l	97
29) Tetrahydrofuran	6.47	42	69697	87.353	ug/l	97
30) Chloroform	6.66	83	231506	18.477	ug/l	97
31) Cyclohexane	6.96	56	144488	19.059	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	211127	19.272	ug/l	99
36) 1,1-Dichloropropene	7.15	75	164196	19.137	ug/l	100
37) Ethyl Acetate	6.18	43	73335	18.512	ug/l #	94
38) Carbon Tetrachloride	7.12	117	208222	19.008	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061969.D
 Acq On : 23 Apr 2019 13:52
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 23 14:34:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 12:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	190469	22.503	ug/l	98
40) Benzene	7.46	78	445995	20.681	ug/l	96
41) Methacrylonitrile	6.44	41	82417	17.577	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	152999	19.325	ug/l	100
43) Isopropyl Acetate	9.24	43	115122	19.946	ug/l	99
44) Trichloroethene	8.54	130	163290	20.382	ug/l	100
45) 1,2-Dichloropropane	8.94	63	114809	20.878	ug/l	92
46) Dibromomethane	9.07	93	81737	19.593	ug/l	96
47) Bromodichloromethane	9.38	83	195198	20.419	ug/l	97
48) Methyl methacrylate	9.11	41	63616	19.318	ug/l	91
49) 1,4-Dioxane	9.08	88	13926	409.261	ug/l #	81
51) 4-Methyl-2-Pentanone	10.31	43	335222	90.912	ug/l	98
52) Toluene	10.51	92	293588	21.159	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	158472	18.672	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	209041	21.201	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	98911	19.810	ug/l	94
56) Ethyl methacrylate	11.04	69	112382	21.189	ug/l	96
57) 1,3-Dichloropropane	11.41	76	146148	19.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	250949	98.615	ug/l	99
59) 2-Hexanone	11.54	43	279764	107.848	ug/l	97
60) Dibromochloromethane	11.68	129	165378	20.575	ug/l	99
61) 1,2-Dibromoethane	11.81	107	118722	19.844	ug/l	97
64) Tetrachloroethene	11.26	164	132289	19.914	ug/l	97
65) Chlorobenzene	12.40	112	344551	19.679	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	151720	20.992	ug/l	97
67) Ethyl Benzene	12.53	91	601425	22.624	ug/l	100
68) m/p-Xylenes	12.67	106	439526	43.225	ug/l	98
69) o-Xylene	13.05	106	193470	19.992	ug/l	94
70) Styrene	13.07	104	348395	20.805	ug/l	99
71) Bromoform	13.24	173	80863	18.126	ug/l #	99
73) Isopropylbenzene	13.41	105	571738	21.075	ug/l	97
74) N-amyl acetate	13.27	43	146764	19.890	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	105196	17.989	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	111287	19.700	ug/l	98
77) Bromobenzene	13.67	156	159032	19.910	ug/l	97
78) n-propylbenzene	13.77	91	720435	22.371	ug/l	96
79) 2-Chlorotoluene	13.84	91	394502	20.498	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	456535	20.104	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	28656	17.156	ug/l	90
82) 4-Chlorotoluene	13.95	91	446583	20.594	ug/l	92
83) tert-Butylbenzene	14.19	119	564994	21.918	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	431319	19.367	ug/l	98
85) sec-Butylbenzene	14.37	105	594361	21.422	ug/l	96
86) p-Isopropyltoluene	14.49	119	498400	19.620	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	297006	20.562	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	293703	21.566	ug/l	97
89) n-Butylbenzene	14.79	91	466931	20.200	ug/l	95
90) Hexachloroethane	15.01	117	137502	19.382	ug/l	86
91) 1,2-Dichlorobenzene	14.81	146	241645	19.511	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15154	19.445	ug/l	80

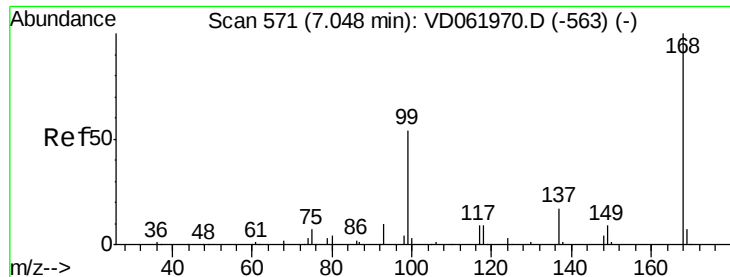
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
Data File : VD061969.D
Acq On : 23 Apr 2019 13:52
Operator : VA/AP
Sample : VSTDICC020
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC020

Quant Time: Apr 23 14:34:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 12:18:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	128994	20.772	ug/l	99
94) Hexachlorobutadiene	16.04	225	97268	21.516	ug/l	97
95) Naphthalene	16.12	128	215292	21.591	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	69712	20.180	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

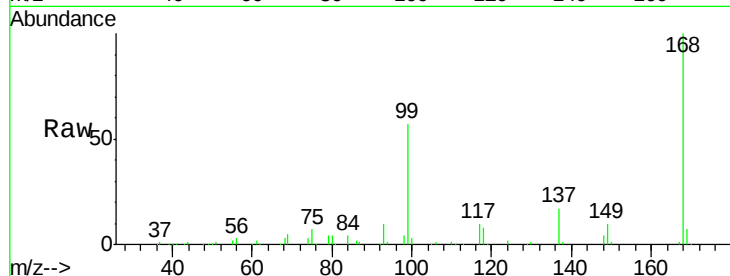
VSTDIC020

Tot Ion:168 Resp: 631674

Ion Ratio Lower Upper

168 100

99 56.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

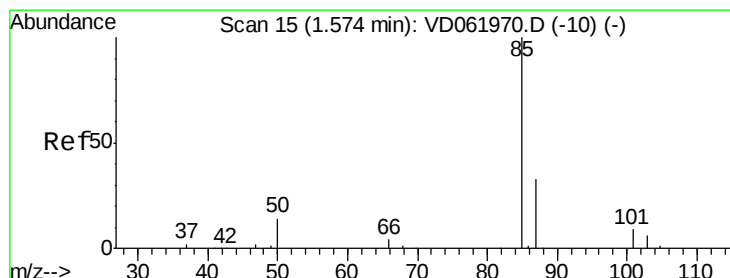
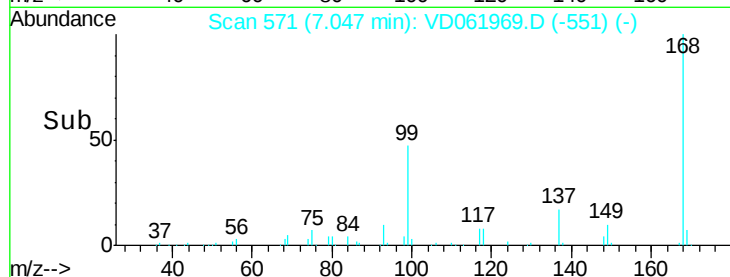
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 18.873 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061969.D

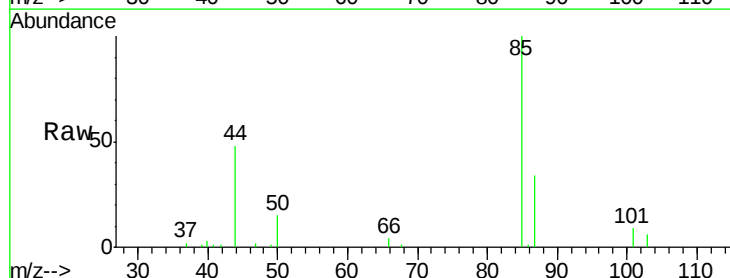
Acq: 23 Apr 2019 13:52

Tgt Ion: 85 Resp: 115016

Ion Ratio Lower Upper

85 100

87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

60000

50000

40000

30000

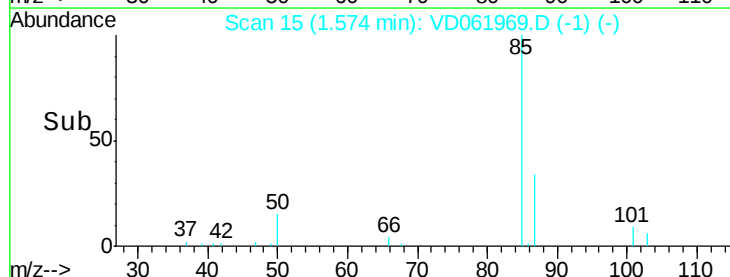
20000

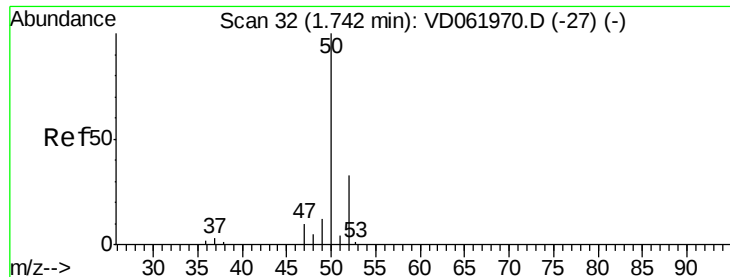
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.985 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

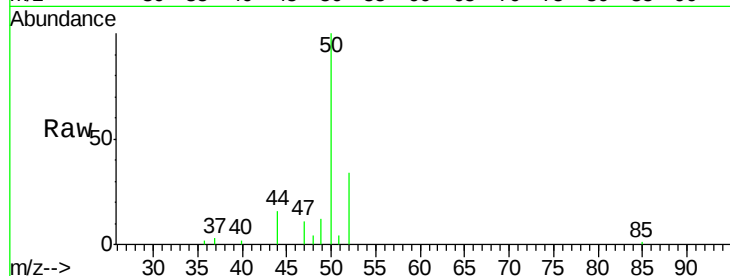
VSTDIC020

Tot Ion: 50 Resp: 105623

Ion Ratio Lower Upper

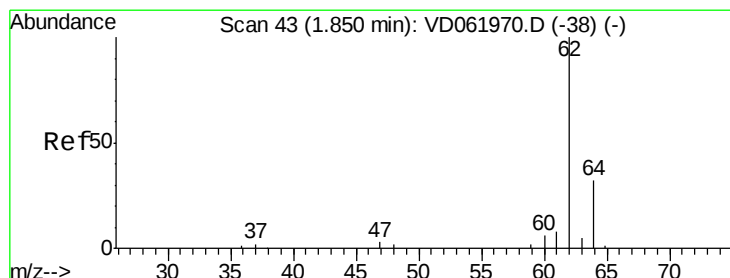
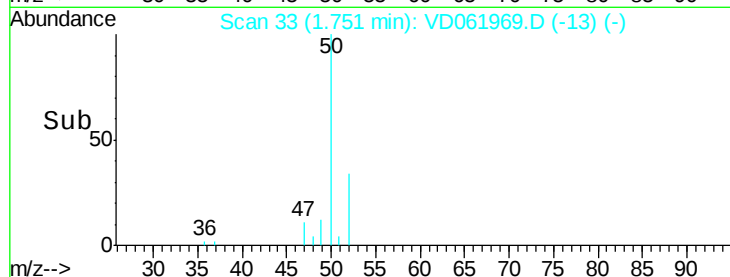
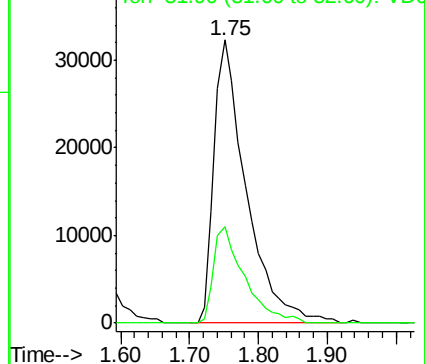
50 100

52 34.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.884 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061969.D

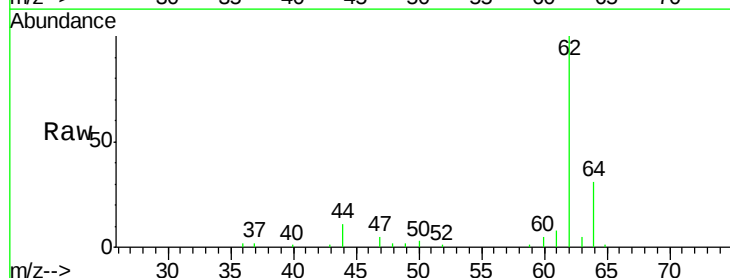
Acq: 23 Apr 2019 13:52

Tgt Ion: 62 Resp: 94249

Ion Ratio Lower Upper

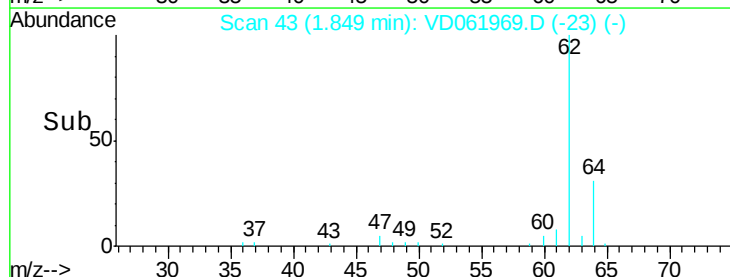
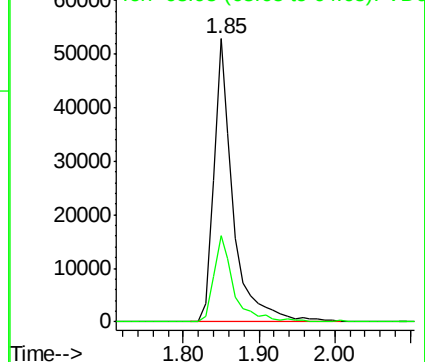
62 100

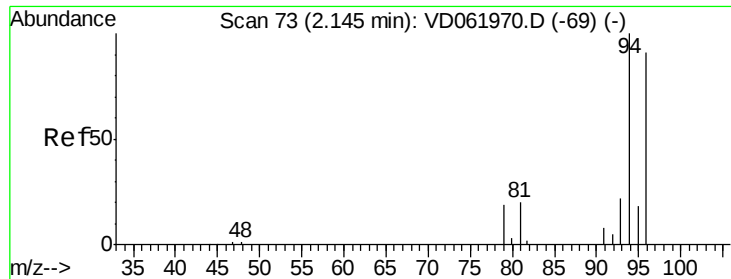
64 30.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

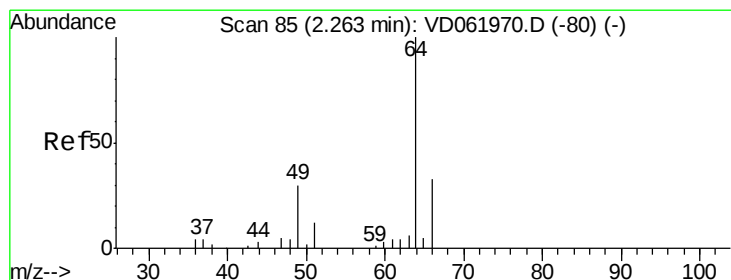
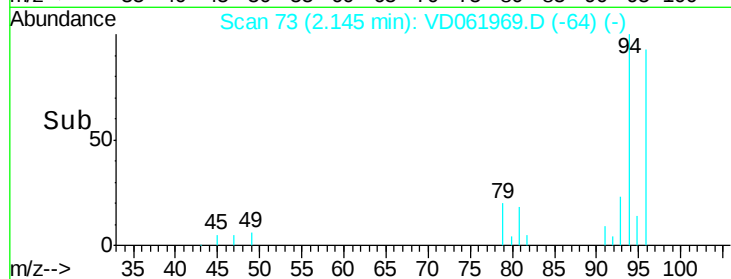
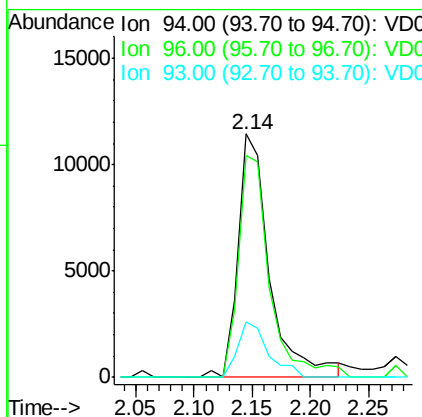
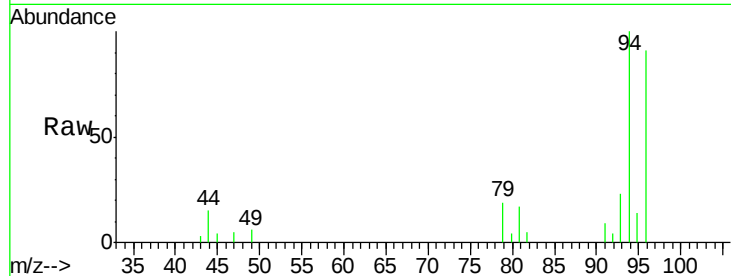




#5
Bromomethane
Concen: 16.188 ug/l
RT: 2.14 min Scan# 73
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

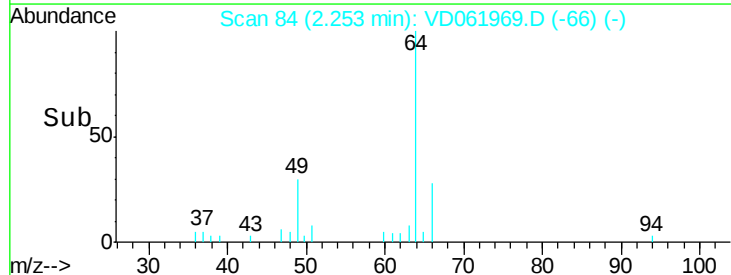
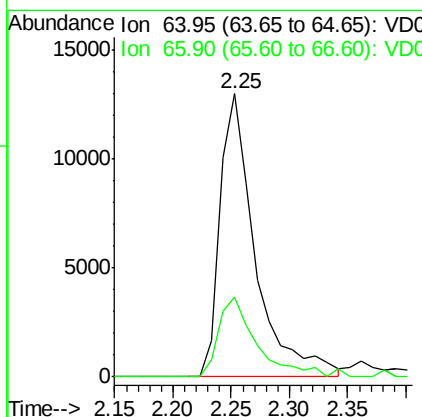
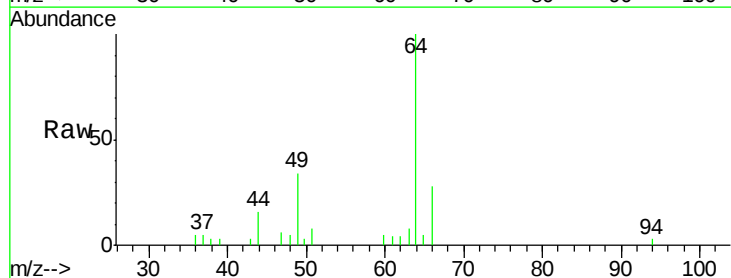
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

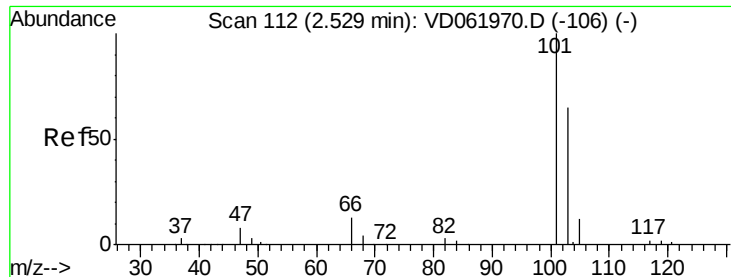
Tot Ion: 94 Resp: 21495
Ion Ratio Lower Upper
94 100
96 90.9 76.6 115.0
93 22.6 18.5 27.7



#6
Chloroethane
Concen: 16.619 ug/l
RT: 2.25 min Scan# 84
Delta R.T. -0.02 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion: 64 Resp: 27259
Ion Ratio Lower Upper
64 100
66 28.2 25.6 38.4



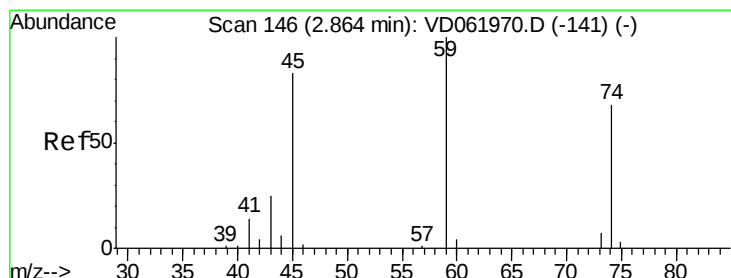
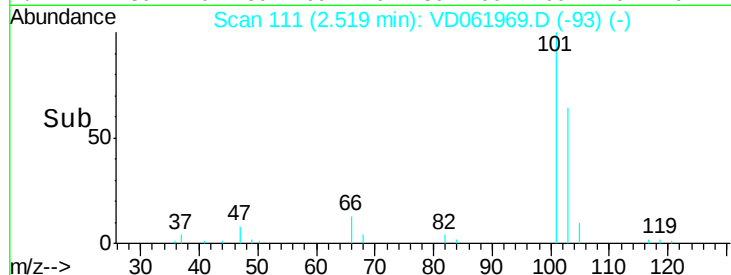
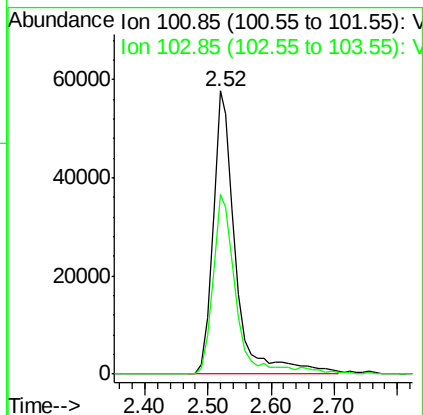
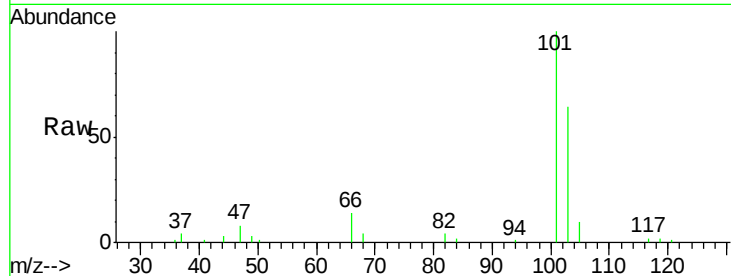


#7

Trichlorofluoromethane
 Concen: 20.745 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.02 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

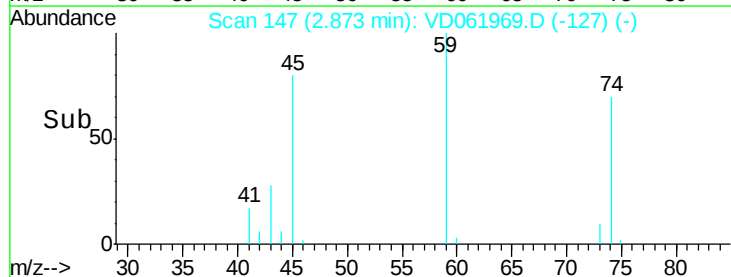
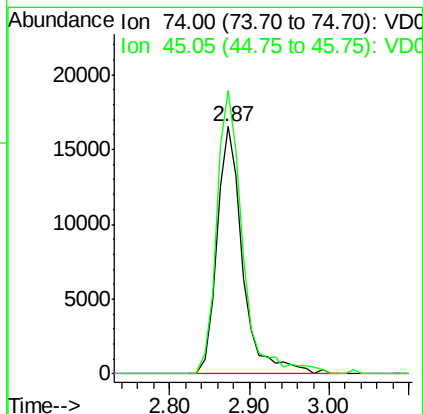
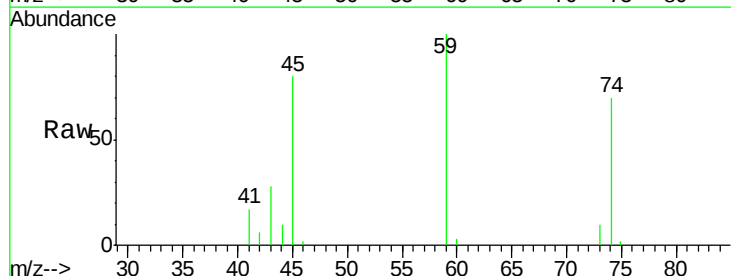
Tot Ion:101 Resp: 144687
 Ion Ratio Lower Upper
 101 100
 103 63.7 53.6 80.4



#8

Diethyl Ether
 Concen: 20.394 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Tgt Ion: 74 Resp: 37292
 Ion Ratio Lower Upper
 74 100
 45 114.6 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.293 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

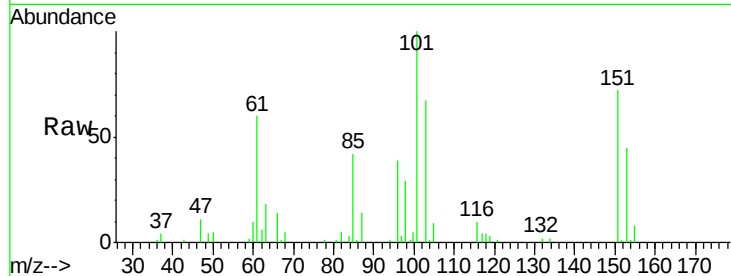
Tot Ion:101 Resp: 138320

Ion Ratio Lower Upper

101 100

85 42.4 32.4 48.6

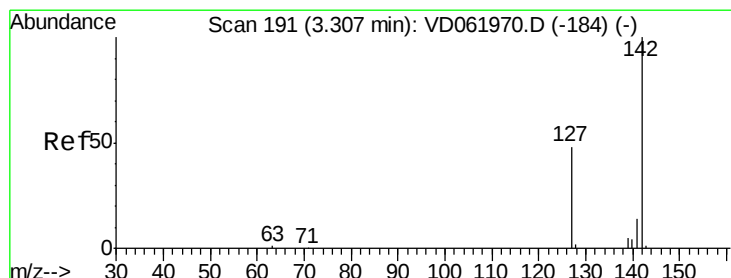
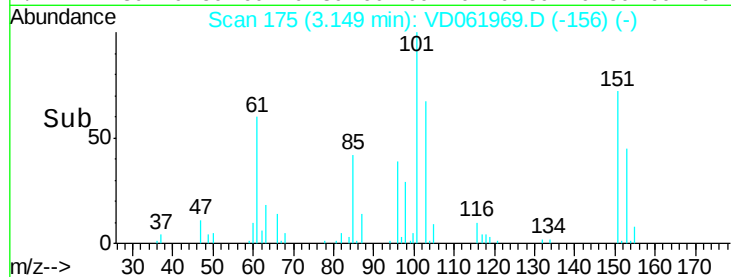
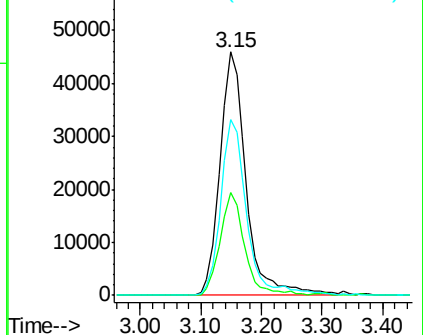
151 72.1 59.4 89.0



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: 13.461 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

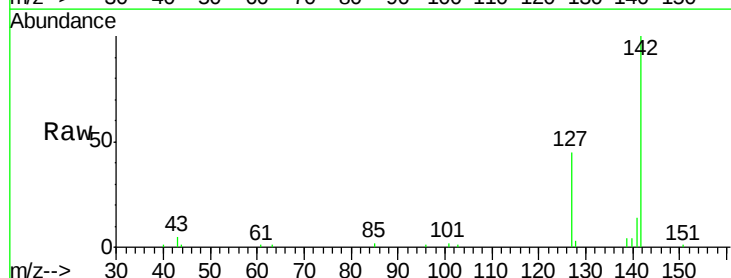
Tgt Ion:142 Resp: 123434

Ion Ratio Lower Upper

142 100

127 45.3 38.8 58.2

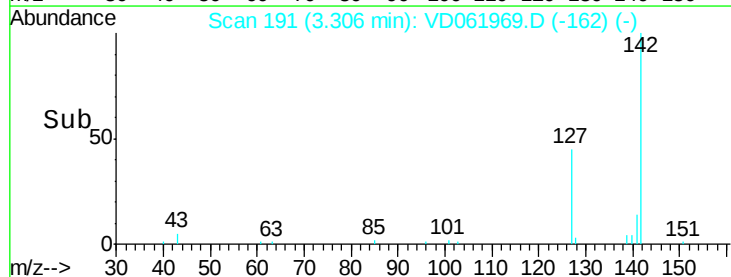
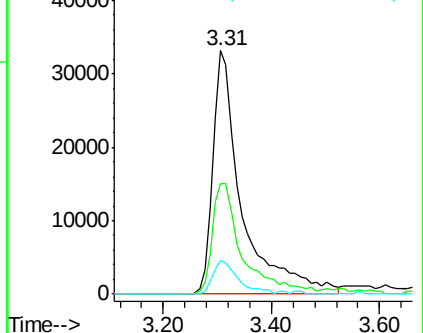
141 14.1 11.4 17.0

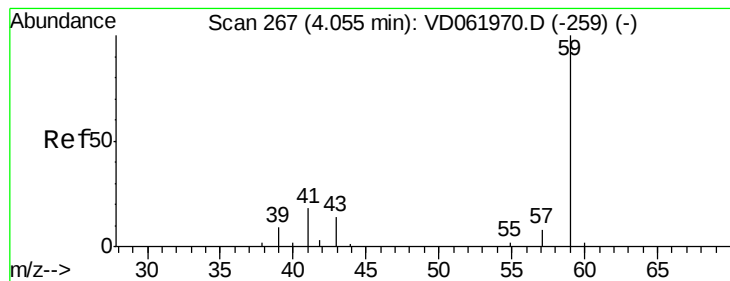


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



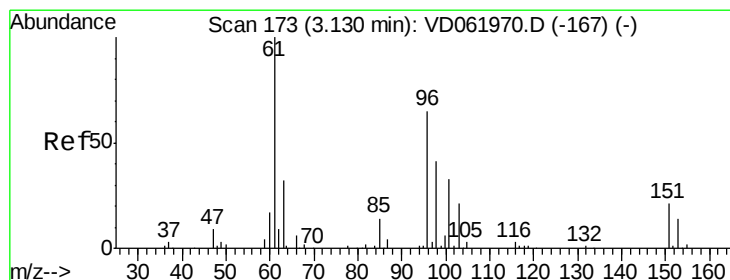
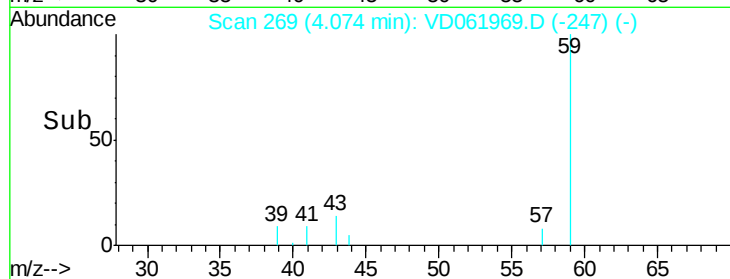
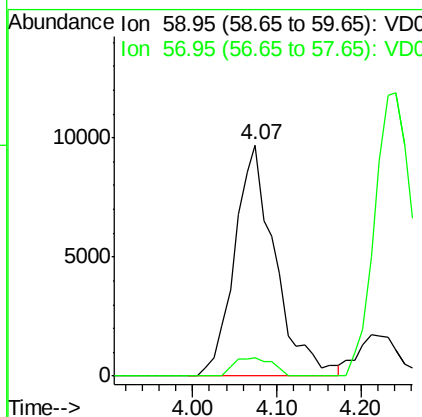
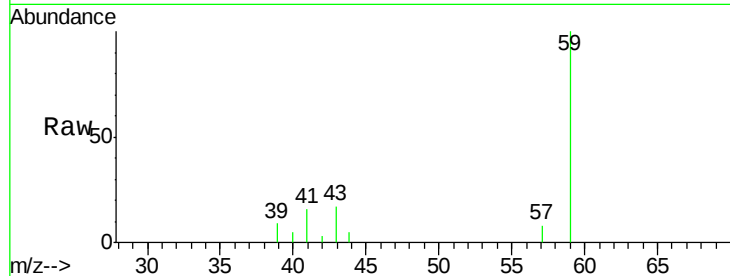


#11

Tert butyl alcohol
Concen: 102.929 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

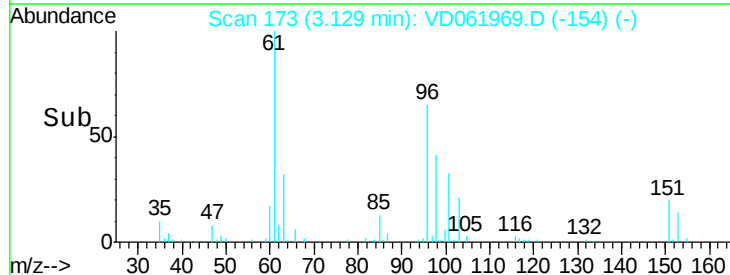
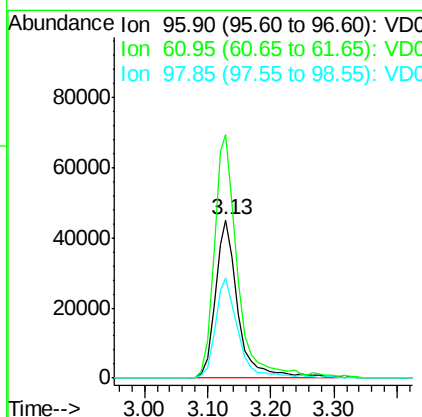
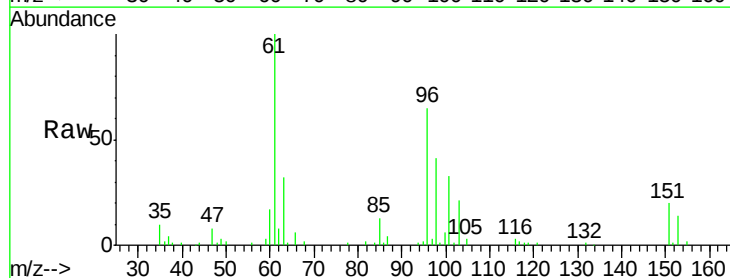
Tot Ion: 59 Resp: 32542
Ion Ratio Lower Upper
59 100
57 7.9 6.9 10.3

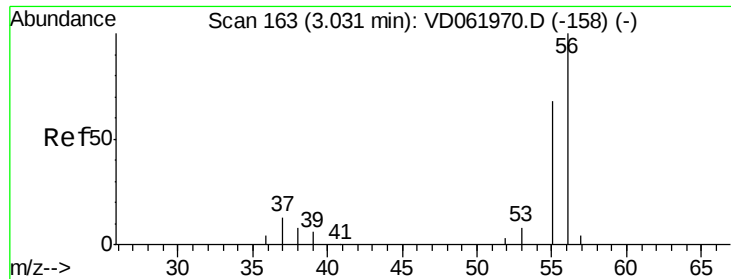


#12

1,1-Dichloroethene
Concen: 22.690 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion: 96 Resp: 114040
Ion Ratio Lower Upper
96 100
61 153.7 129.8 194.8
98 63.7 51.2 76.8





#13

Acrolein

Concen: 141.356 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

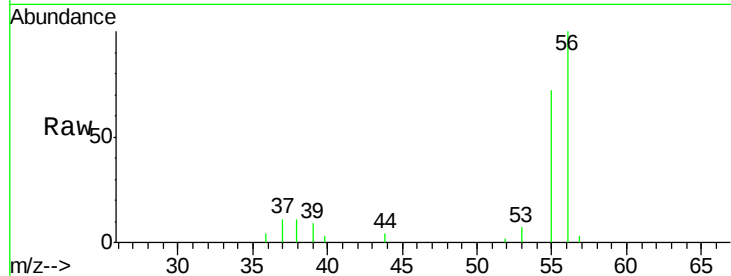
VSTDIC020

Tot Ion: 56 Resp: 32624

Ion Ratio Lower Upper

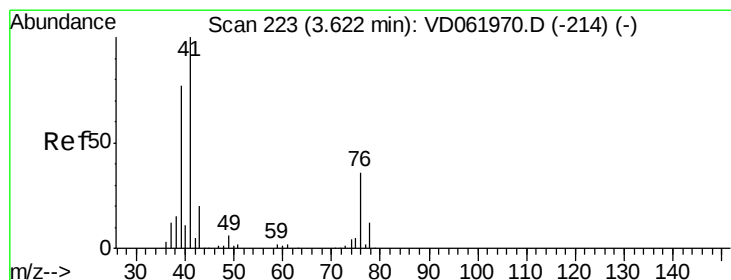
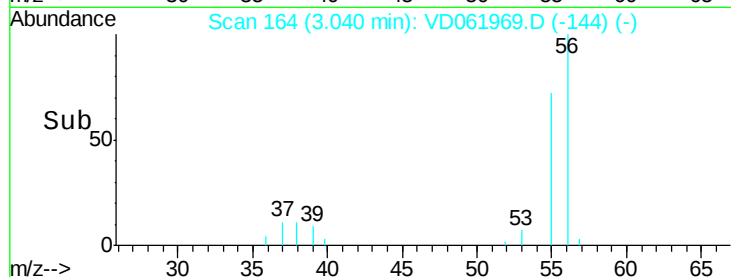
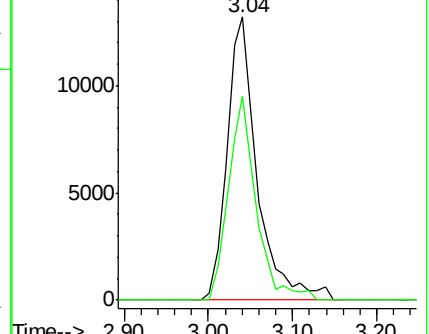
56 100

55 72.2 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.316 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

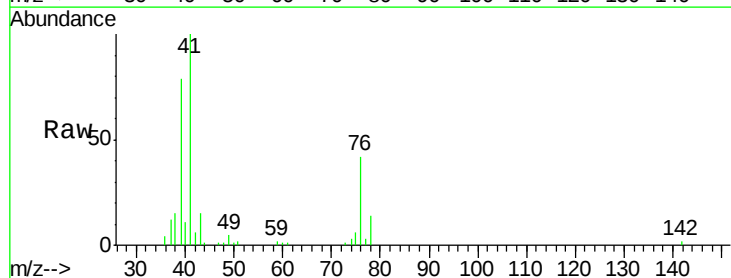
Tgt Ion: 41 Resp: 149185

Ion Ratio Lower Upper

41 100

39 78.6 60.5 90.7

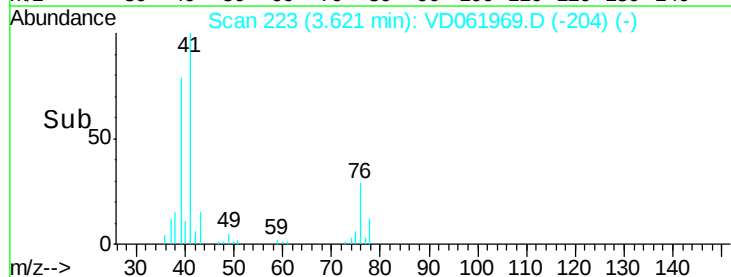
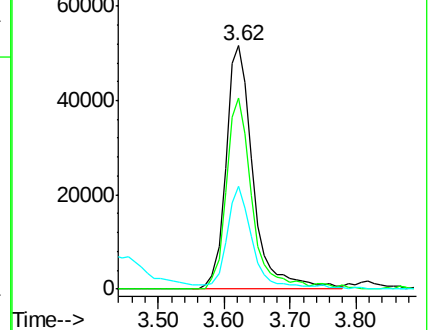
76 42.3 31.8 47.8

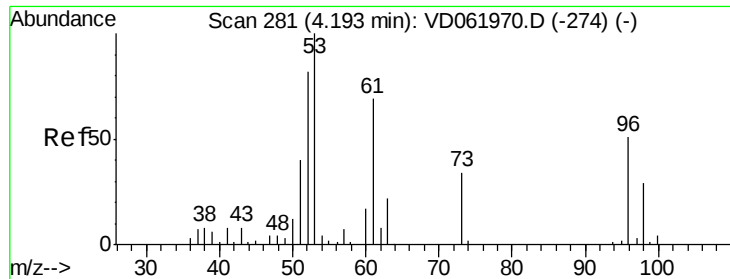


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 92.737 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

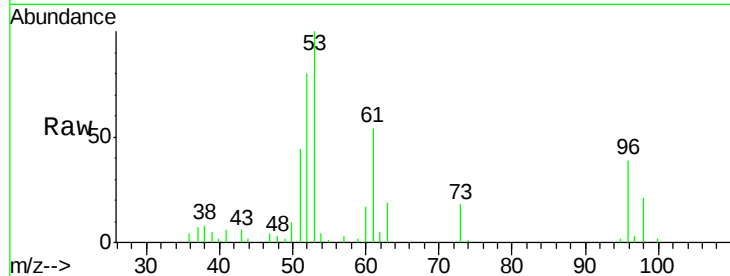
Tot Ion: 53 Resp: 91235

Ion Ratio Lower Upper

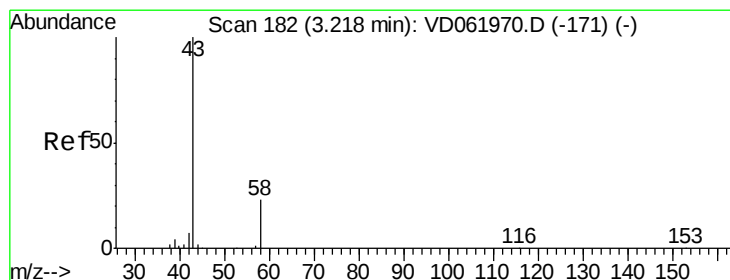
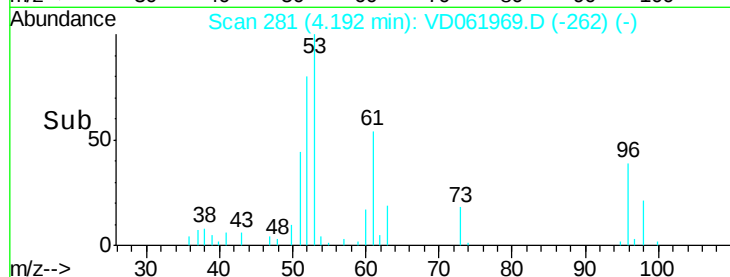
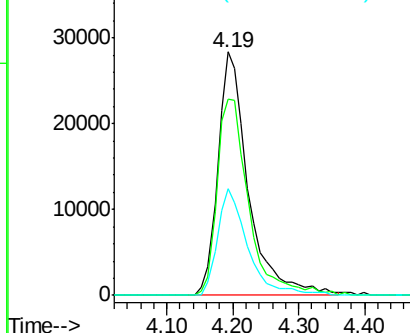
53 100

52 80.5 65.0 97.4

51 43.8 32.6 48.8



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



#16

Acetone

Concen: 114.844 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061969.D

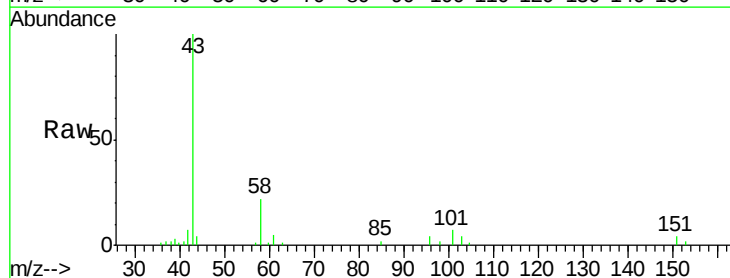
Acq: 23 Apr 2019 13:52

Tgt Ion: 43 Resp: 126328

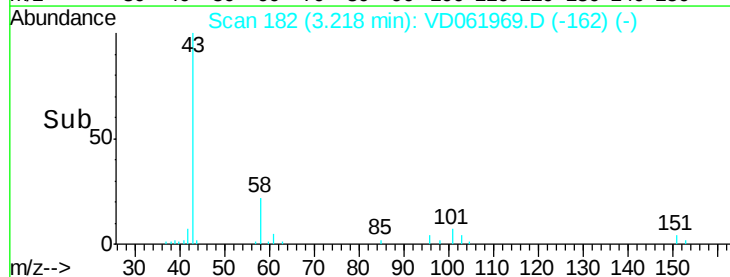
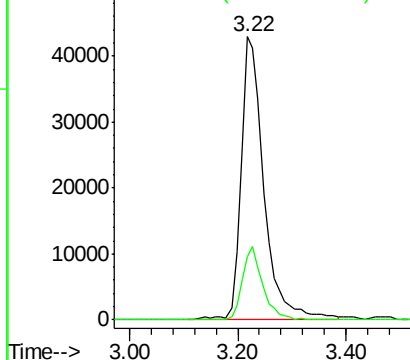
Ion Ratio Lower Upper

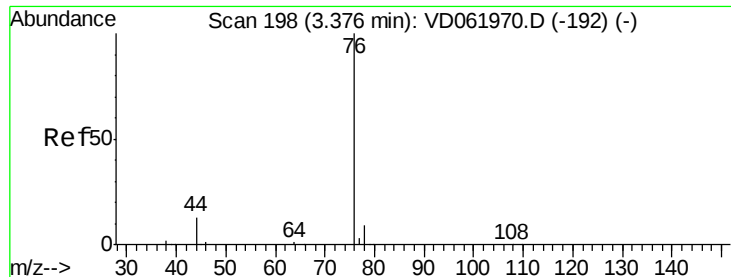
43 100

58 22.5 19.9 29.9



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

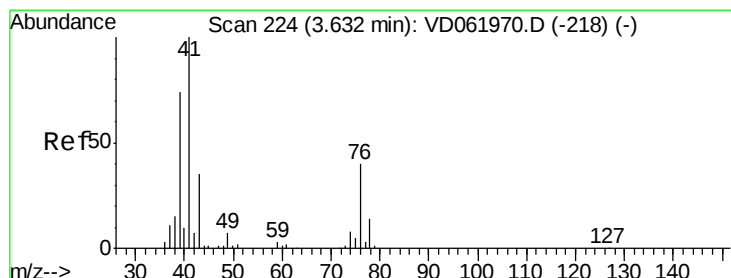
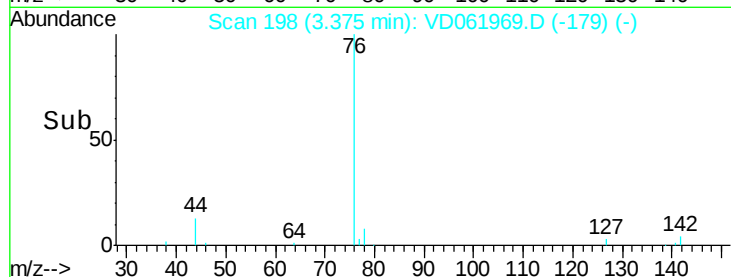
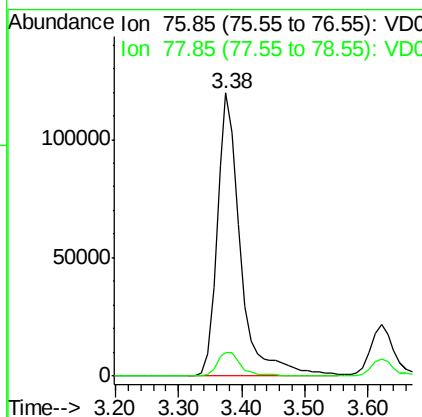
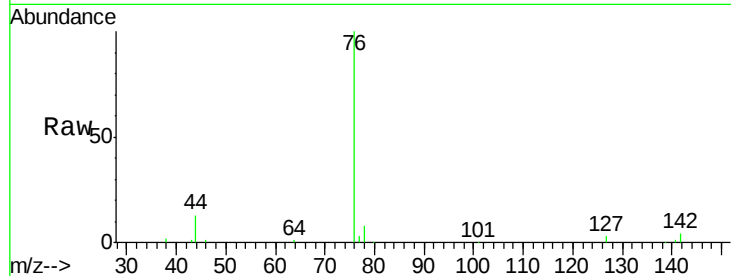




#17
Carbon Disulfide
Concen: 20.748 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

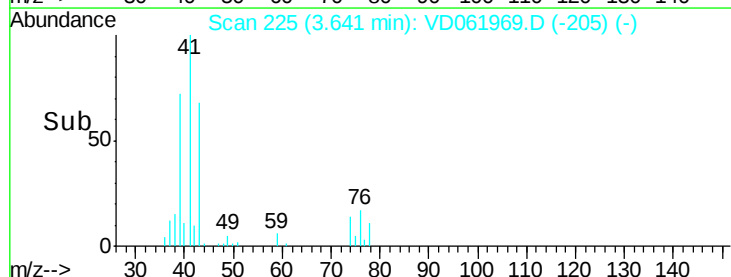
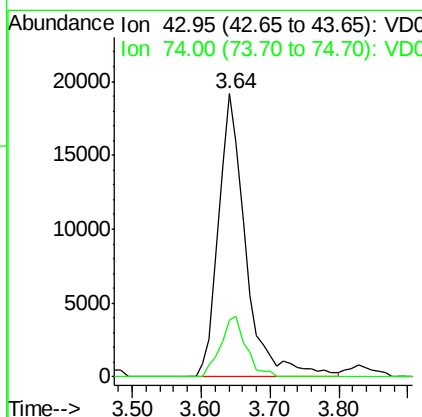
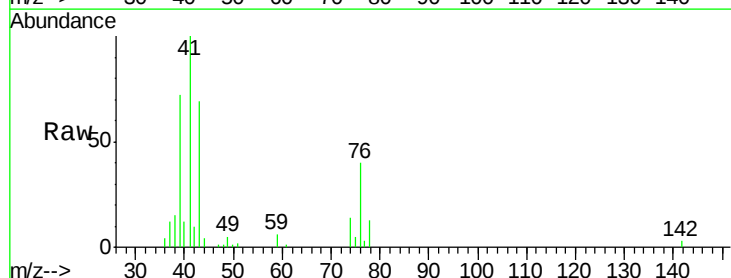
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

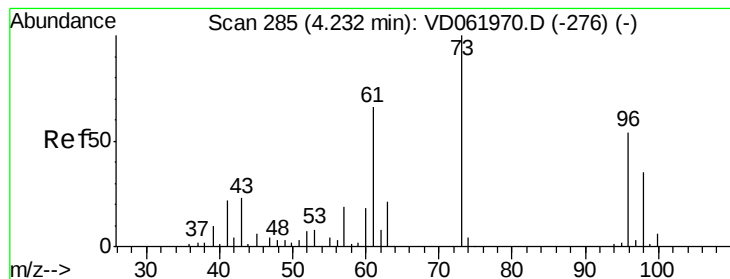
Tot Ion: 76 Resp: 309366
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8



#18
Methyl Acetate
Concen: 18.970 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion: 43 Resp: 52698
Ion Ratio Lower Upper
43 100
74 20.1 18.0 27.0



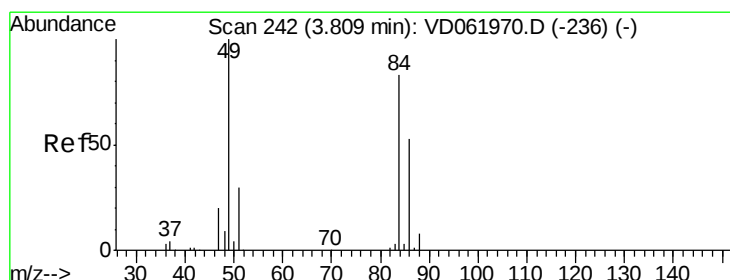
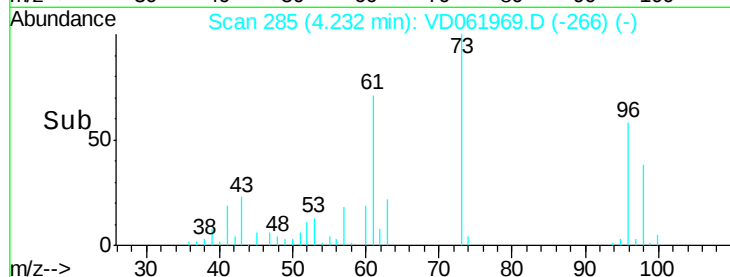
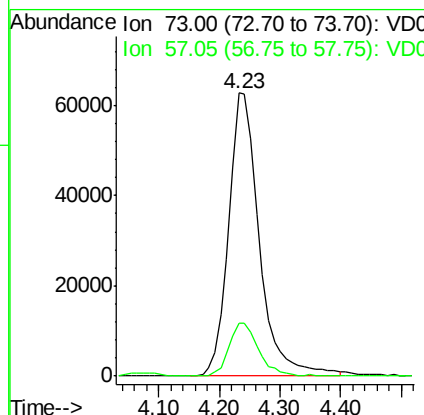
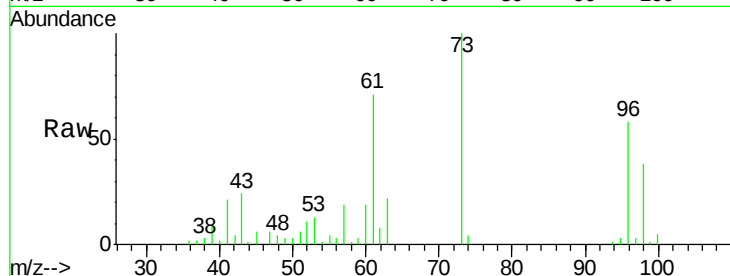


#19

Methyl tert-butyl Ether
 Concen: 19.065 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

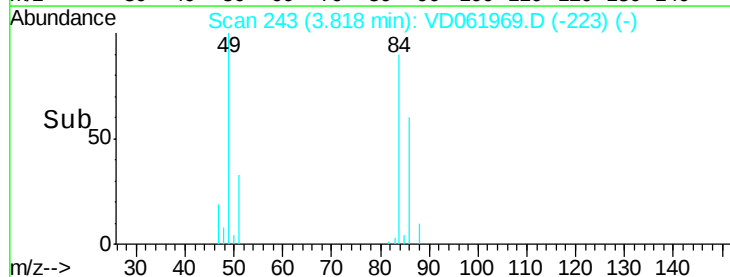
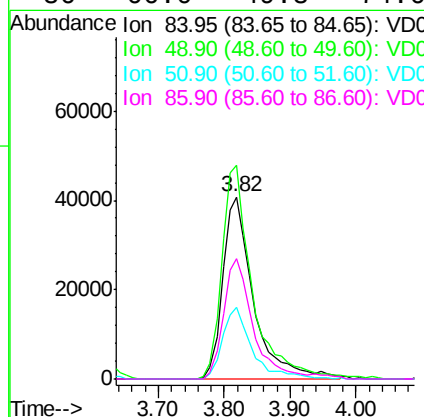
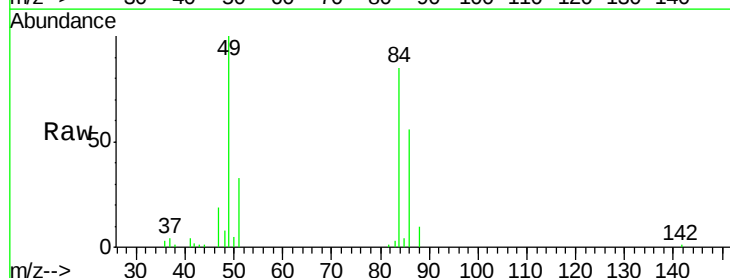
Tot Ion: 73 Resp: 221106
 Ion Ratio Lower Upper
 73 100
 57 18.8 16.3 24.5

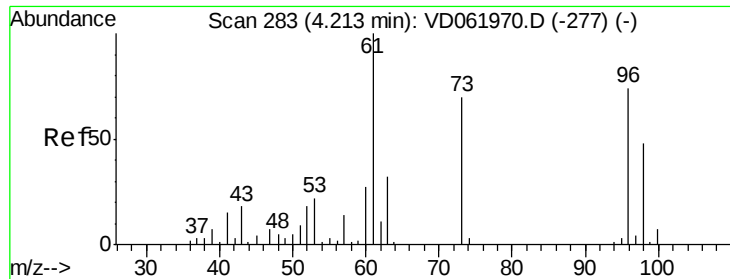


#20

Methylene Chloride
 Concen: 18.785 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Tgt Ion: 84 Resp: 132798
 Ion Ratio Lower Upper
 84 100
 49 117.1 94.0 141.0
 51 39.0 29.0 43.4
 86 66.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.299 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

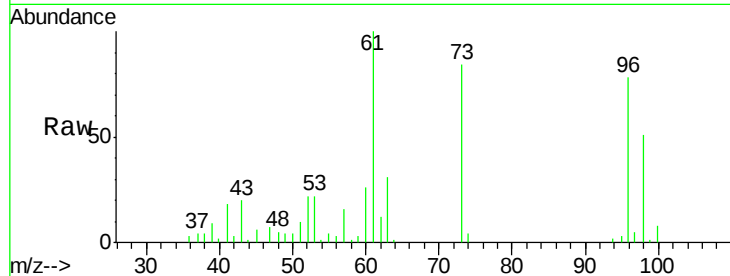
Tot Ion: 96 Resp: 124358

Ion Ratio Lower Upper

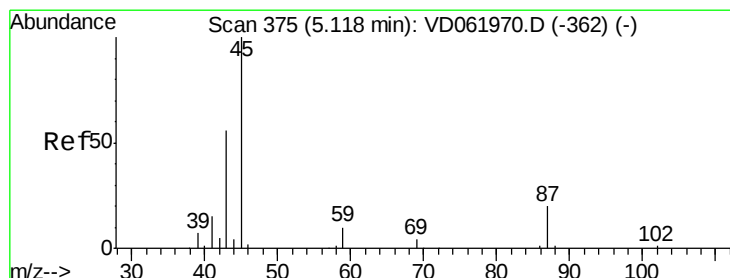
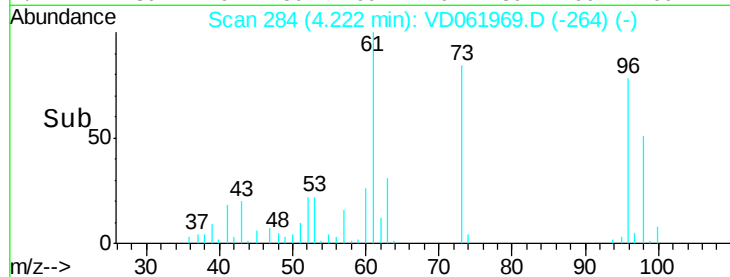
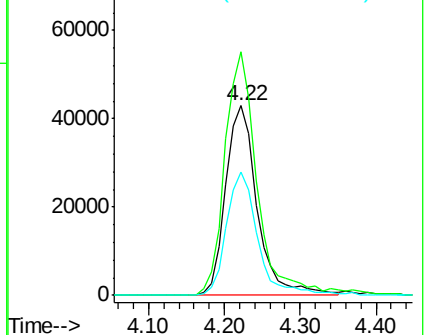
96 100

61 128.4 104.4 156.6

98 65.0 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: 17.589 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Tgt Ion: 45 Resp: 319094

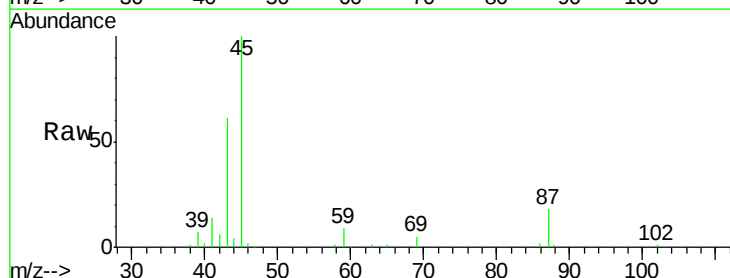
Ion Ratio Lower Upper

45 100

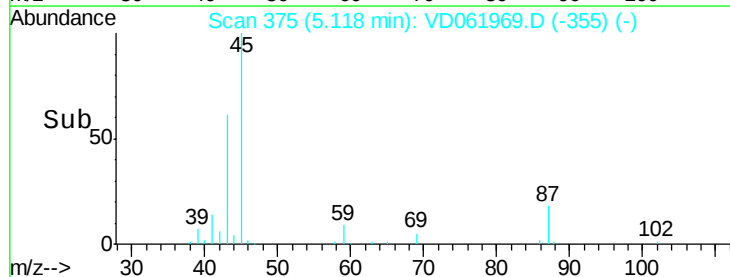
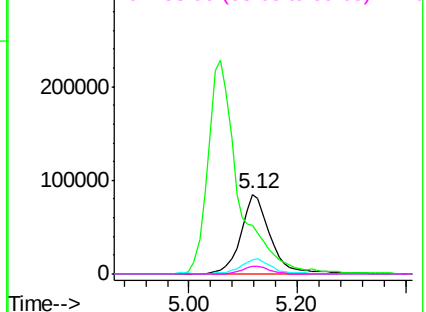
43 60.8 46.2 69.2

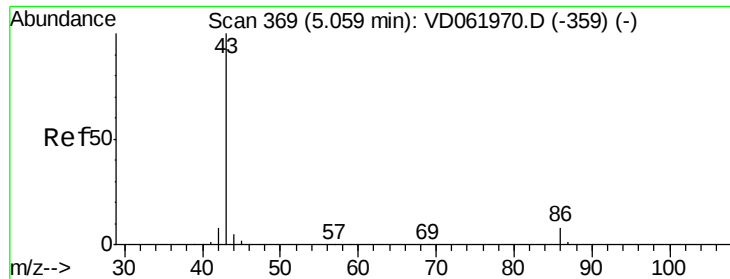
87 18.1 15.9 23.9

59 9.4 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

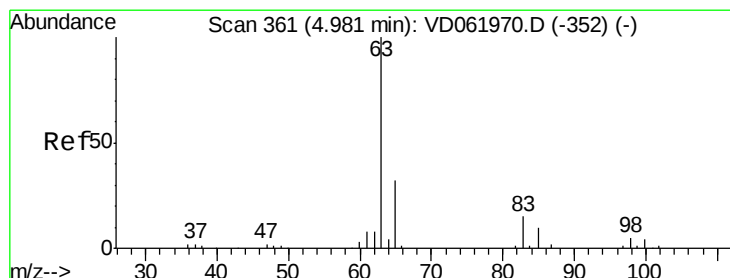
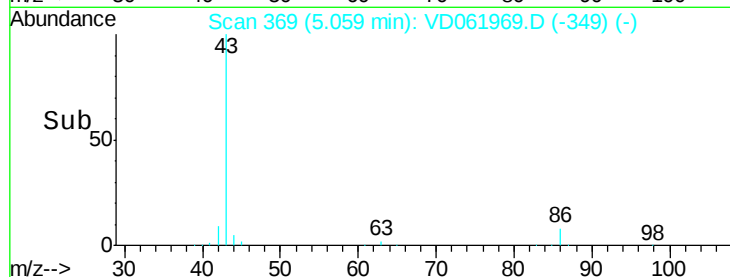
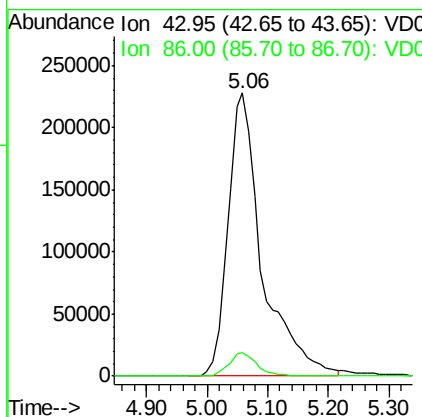
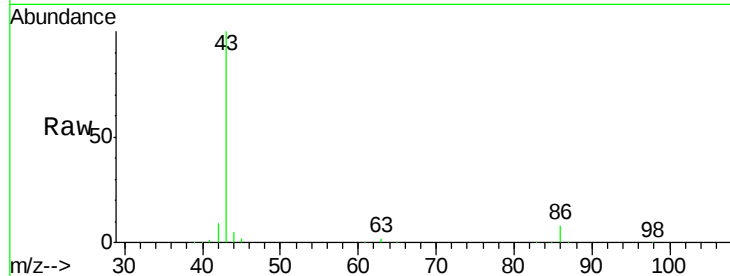




#23
 Vinyl Acetate
 Concen: 91.979 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

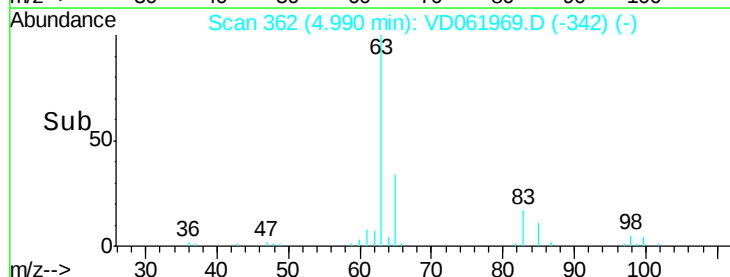
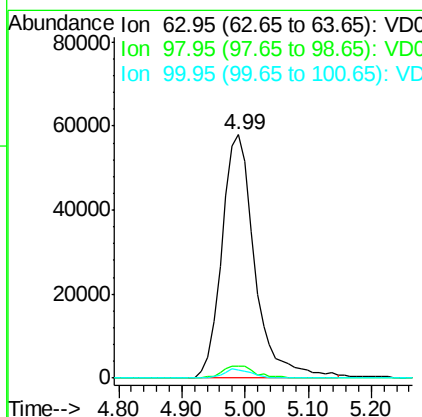
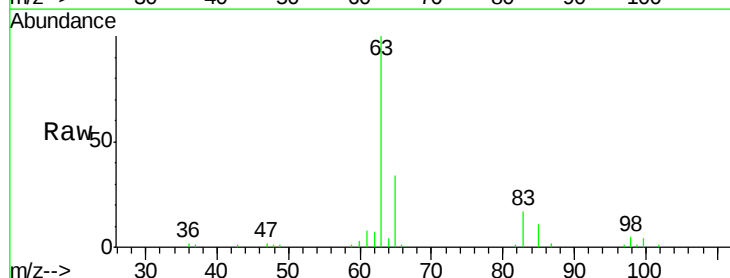
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 888614
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 19.627 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Tgt Ion: 63 Resp: 209567
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.8 8.4
 100 3.5 1.8 5.5





#25

2-Butanone

Concen: 92.842 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

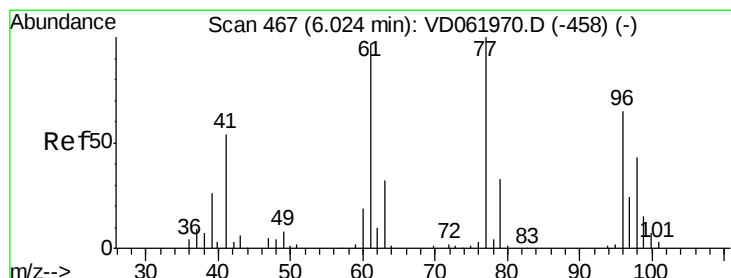
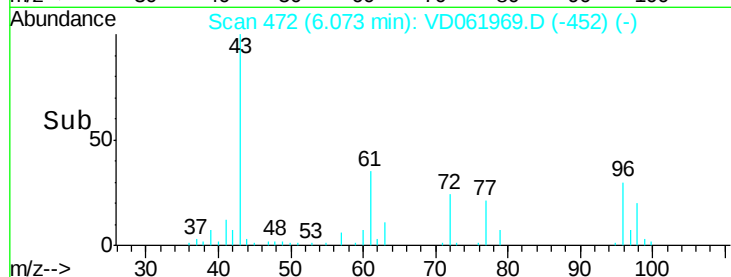
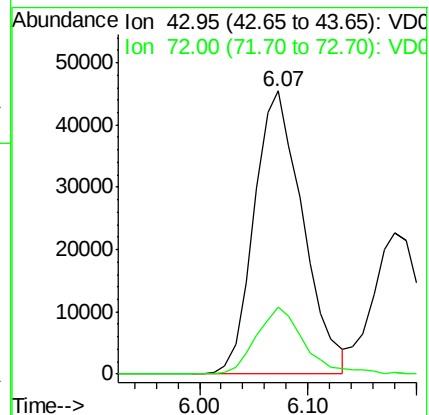
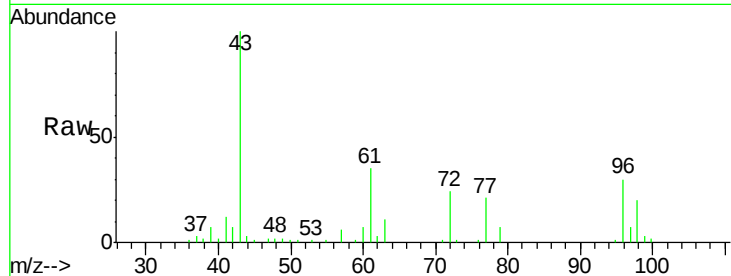
VSTDIC020

Tot Ion: 43 Resp: 142283

Ion Ratio Lower Upper

43 100

72 23.8 16.2 24.4



#26

2,2-Dichloropropane

Concen: 20.420 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD061969.D

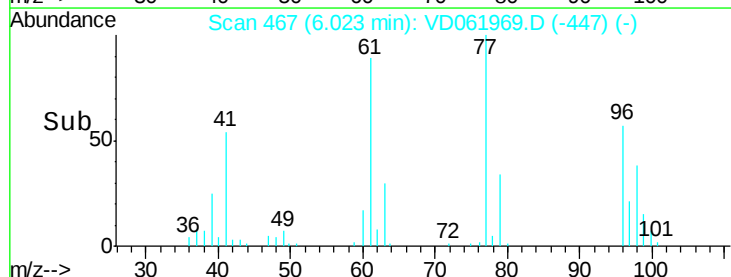
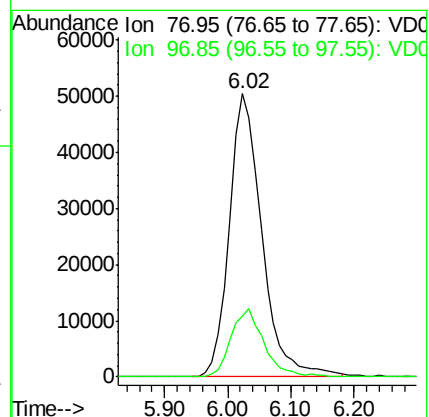
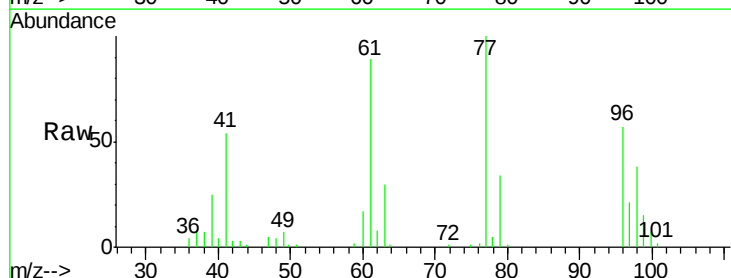
Acq: 23 Apr 2019 13:52

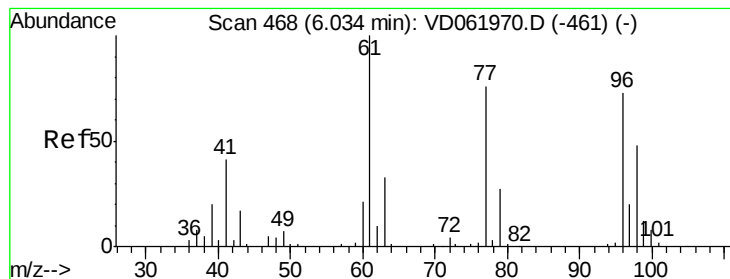
Tgt Ion: 77 Resp: 179982

Ion Ratio Lower Upper

77 100

97 21.3 11.9 35.9



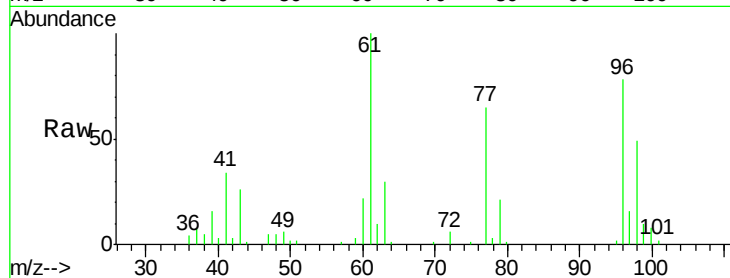


#27

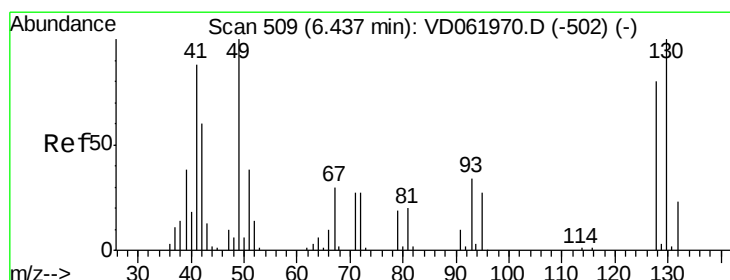
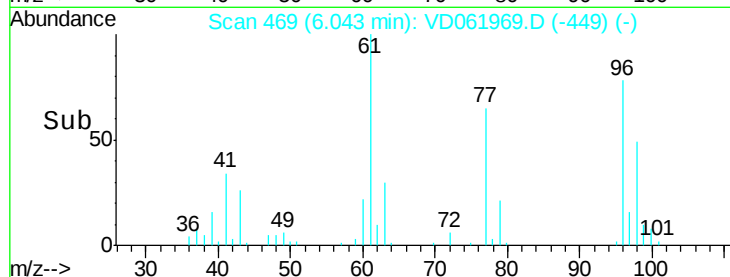
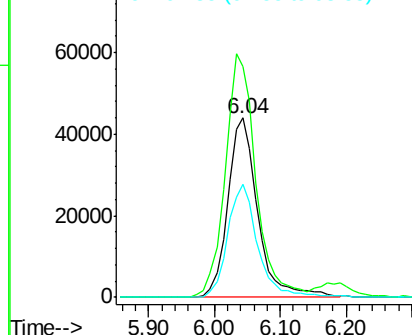
cis-1,2-Dichloroethene
Concen: 19.312 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 139614
Ion Ratio Lower Upper
96 100
61 128.9 0.0 279.8
98 62.7 0.0 136.0



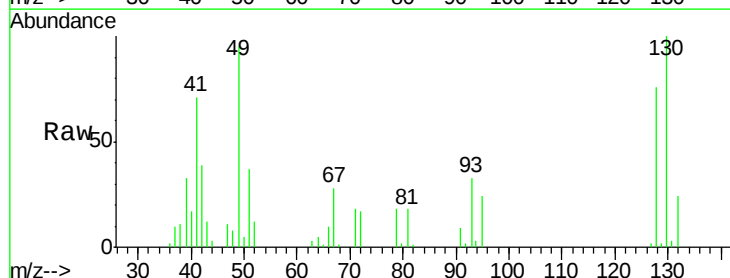
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



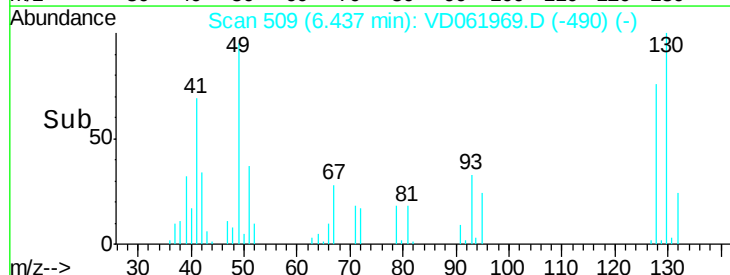
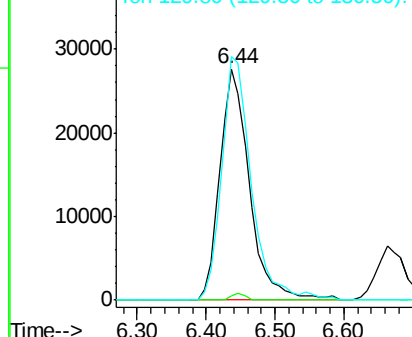
#28

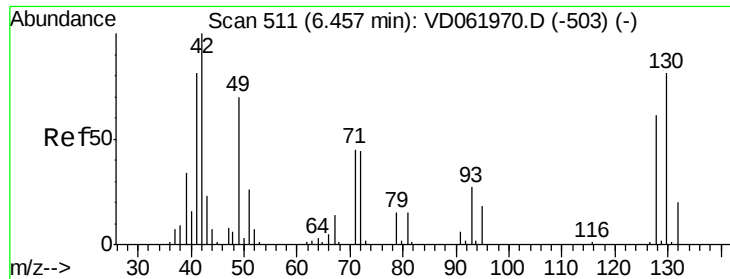
Bromochloromethane
Concen: 19.514 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion: 49 Resp: 82114
Ion Ratio Lower Upper
49 100
129 1.9 0.0 6.6
130 105.4 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 87.353 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

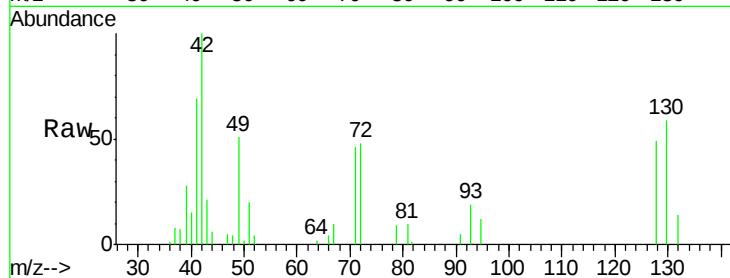
Tot Ion: 42 Resp: 69697

Ion Ratio Lower Upper

42 100

72 49.0 37.8 56.6

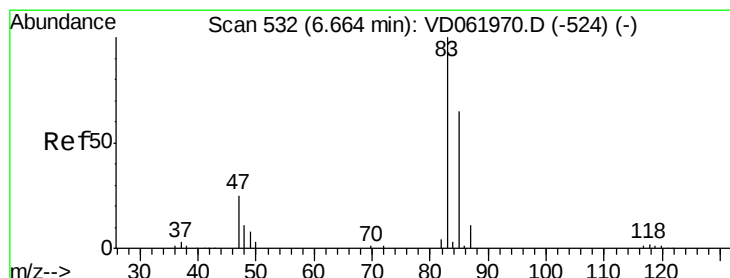
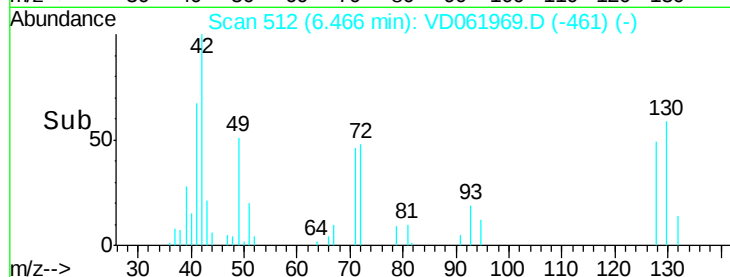
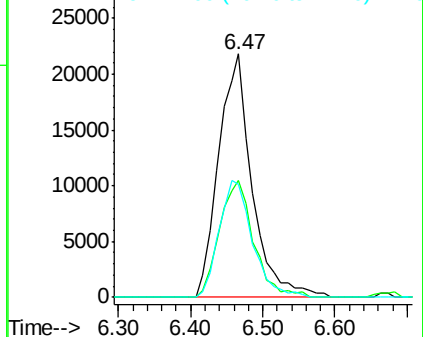
71 48.0 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 18.477 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD061969.D

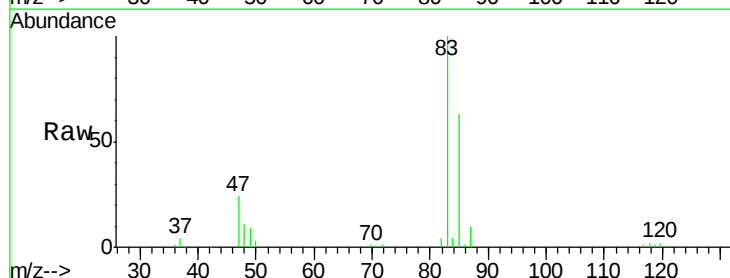
Acq: 23 Apr 2019 13:52

Tgt Ion: 83 Resp: 231506

Ion Ratio Lower Upper

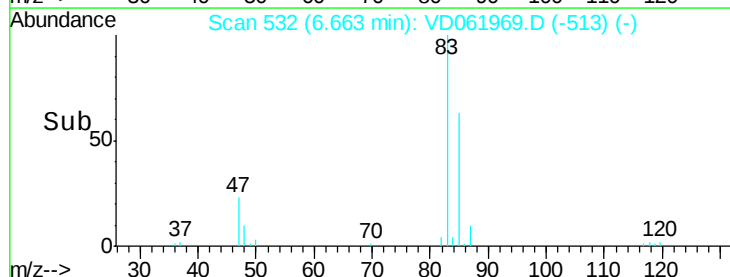
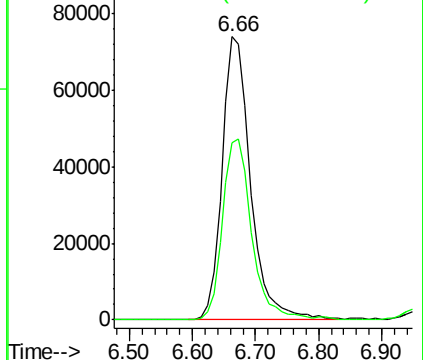
83 100

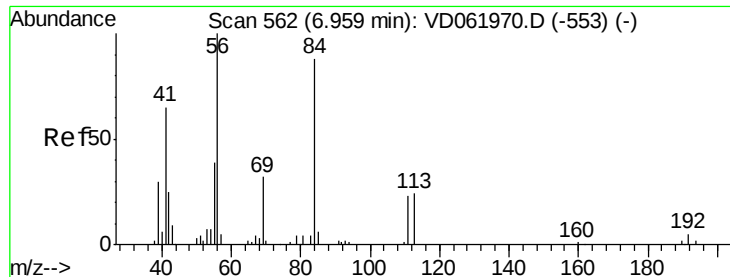
85 62.6 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

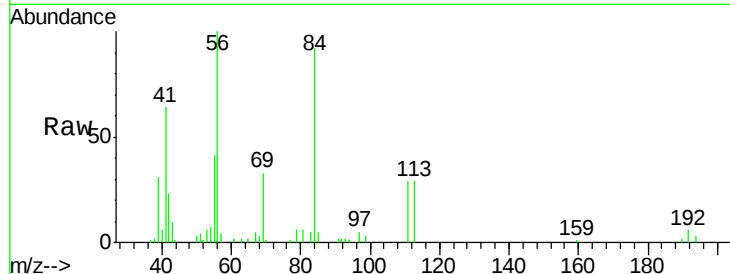




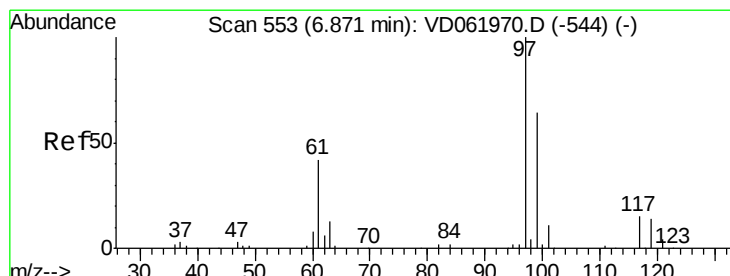
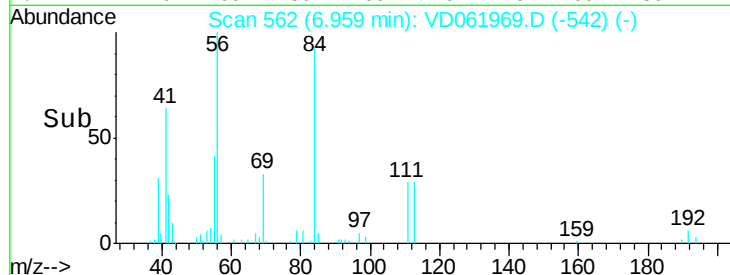
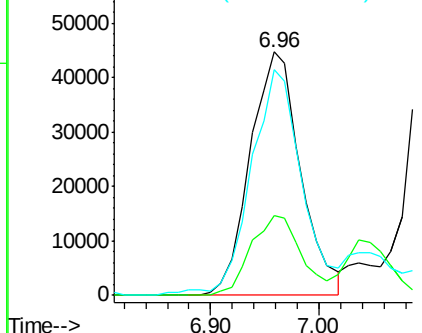
#31
Cyclohexane
Concen: 19.059 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 144488
Ion Ratio Lower Upper
56 100
69 32.6 25.8 38.6
84 92.5 72.2 108.4

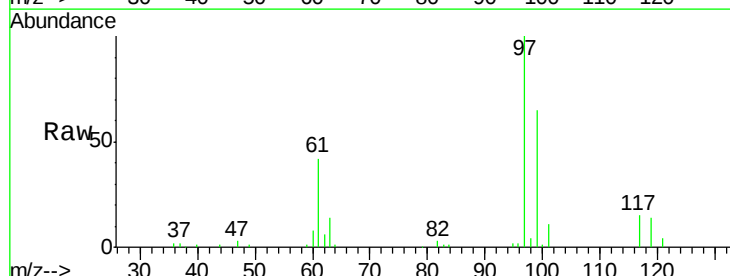


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

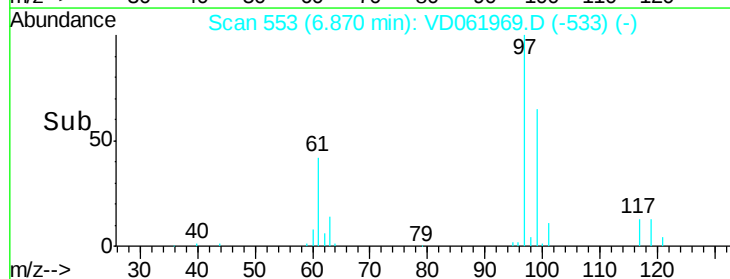
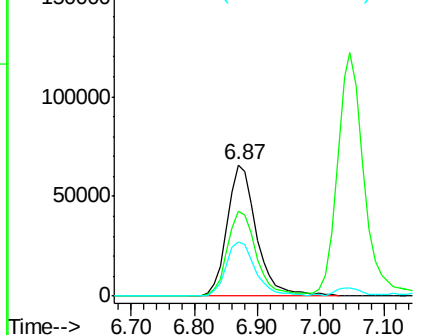


#32
1,1,1-Trichloroethane
Concen: 19.272 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion: 97 Resp: 211127
Ion Ratio Lower Upper
97 100
99 64.5 52.2 78.2
61 41.7 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 19.272 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

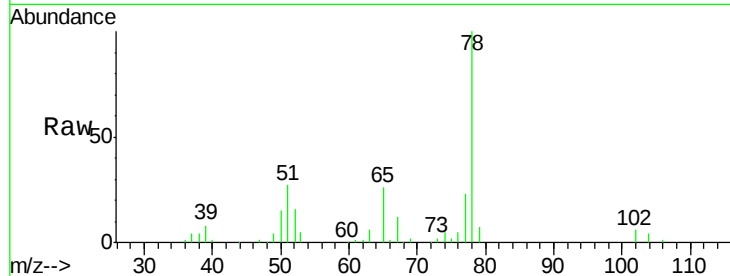
VSTDIC020

Tot Ion: 65 Resp: 106142

Ion Ratio Lower Upper

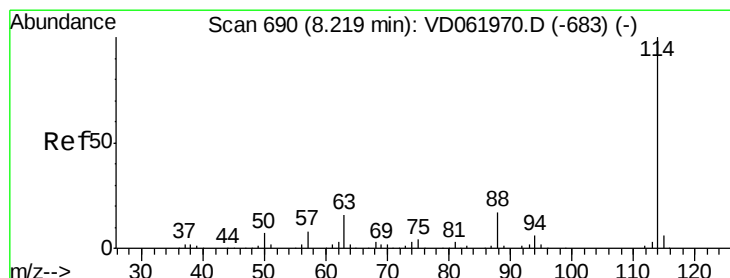
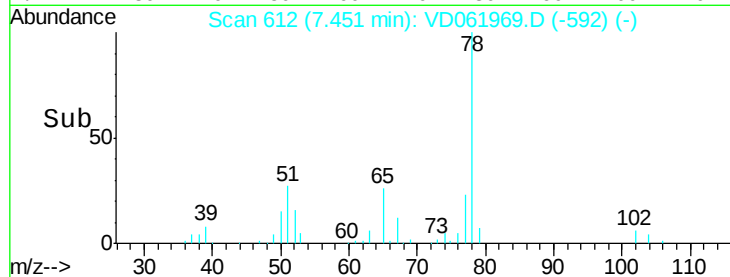
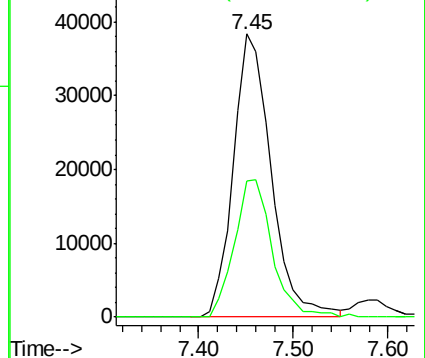
65 100

67 47.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

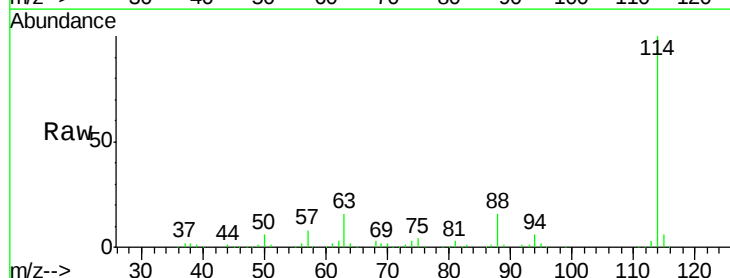
Tgt Ion: 114 Resp: 1071042

Ion Ratio Lower Upper

114 100

63 15.6 0.0 32.4

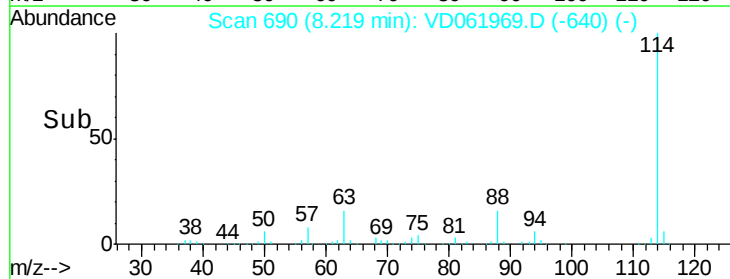
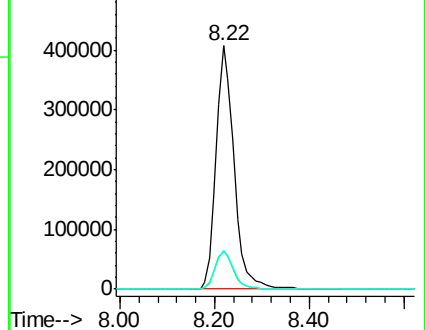
88 15.8 0.0 33.6

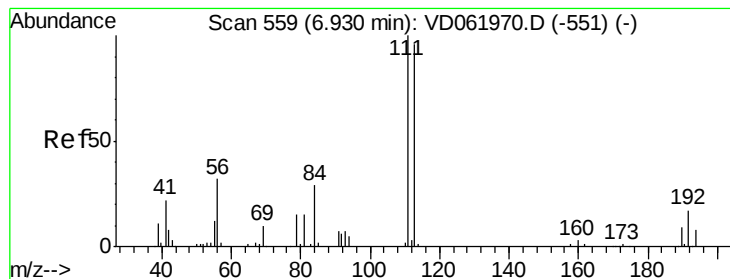


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

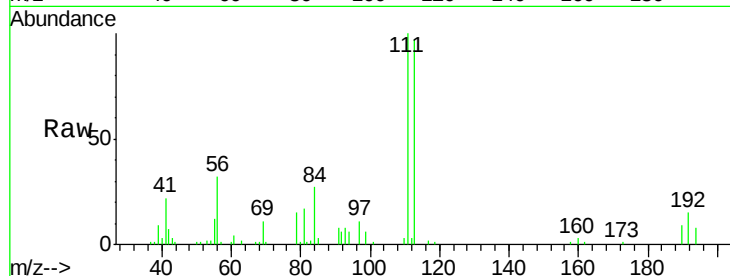
Tot Ion:113 Resp: 143417

Ion Ratio Lower Upper

113 100

111 103.5 78.5 117.7

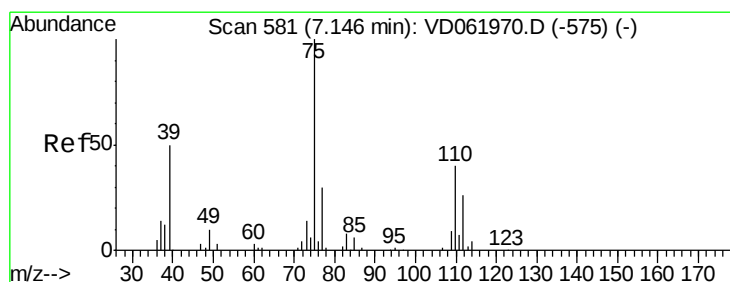
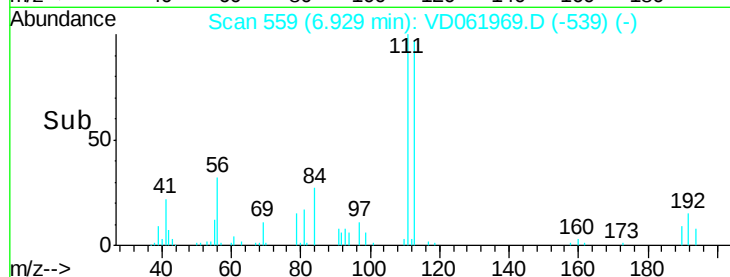
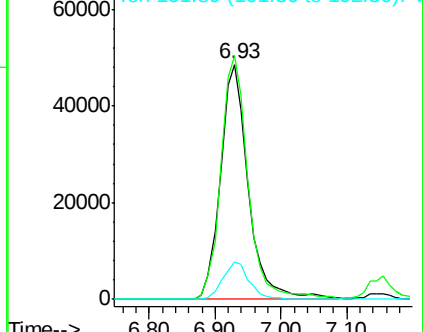
192 15.9 13.0 19.4



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: 19.137 ug/l

RT: 7.15 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

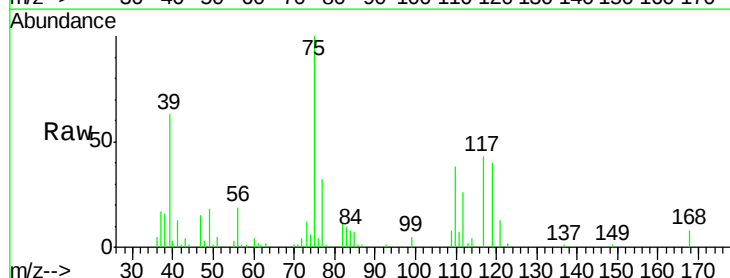
Tgt Ion: 75 Resp: 164196

Ion Ratio Lower Upper

75 100

110 38.0 19.1 57.1

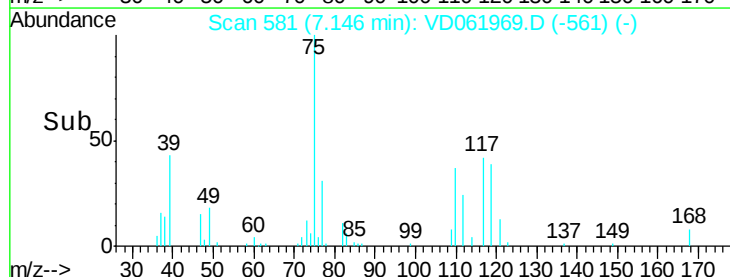
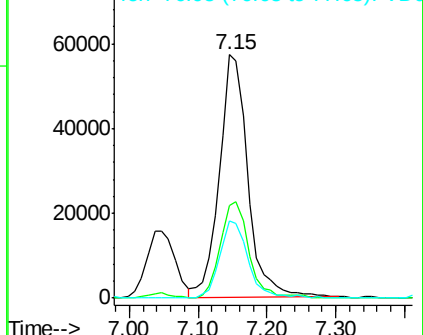
77 31.7 25.6 38.4

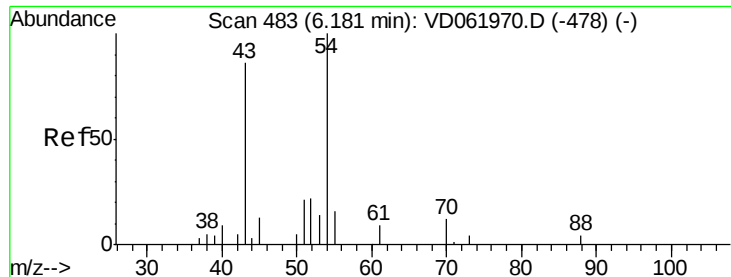


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

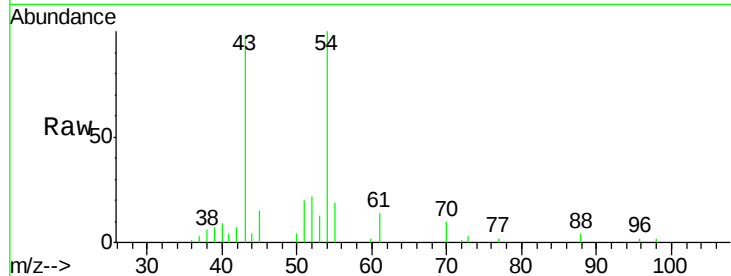




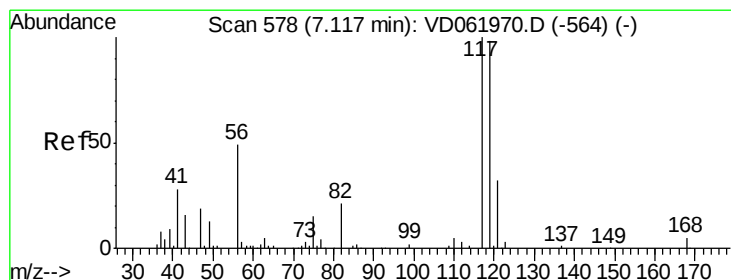
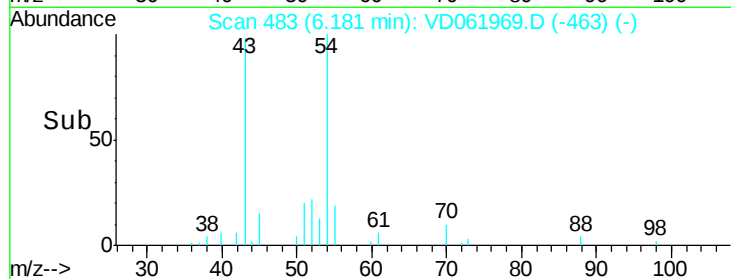
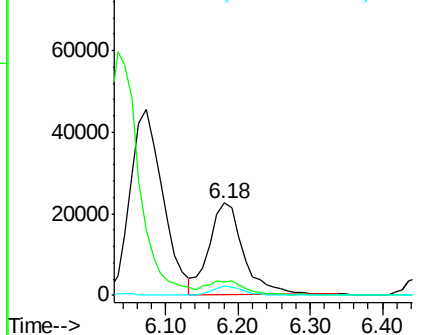
#37
Ethyl Acetate
Concen: 18.512 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 73335
Ion Ratio Lower Upper
43 100
61 14.5 14.7 22.1#
70 10.3 7.8 11.6

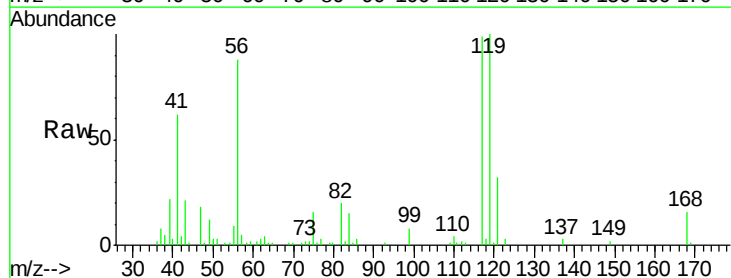


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

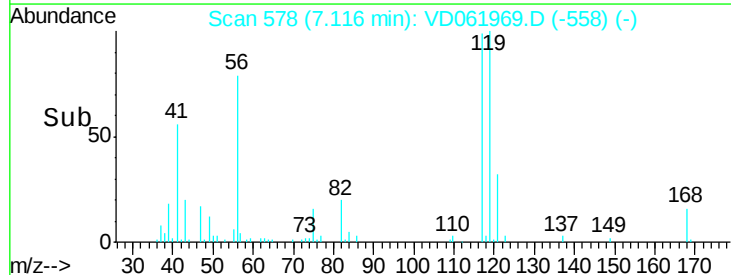
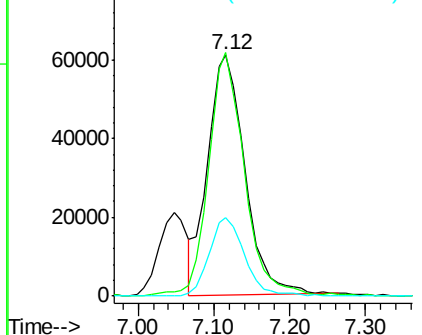


#38
Carbon Tetrachloride
Concen: 19.008 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion: 117 Resp: 208222
Ion Ratio Lower Upper
117 100
119 100.9 75.8 113.8
121 32.3 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 22.503 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

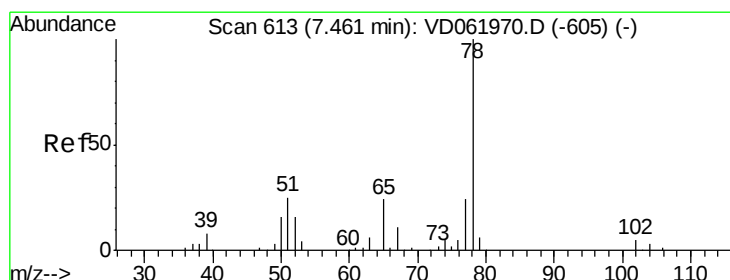
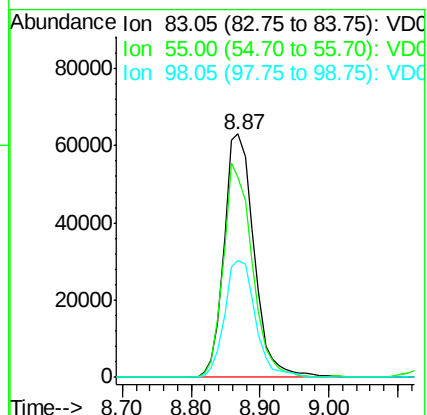
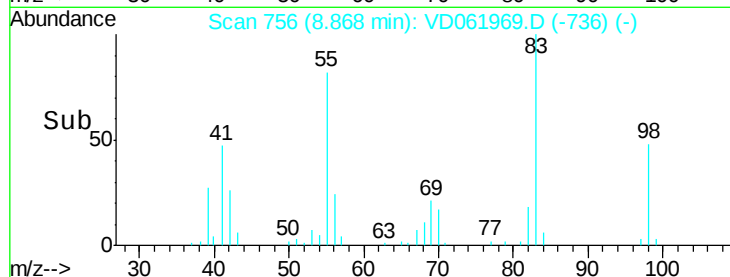
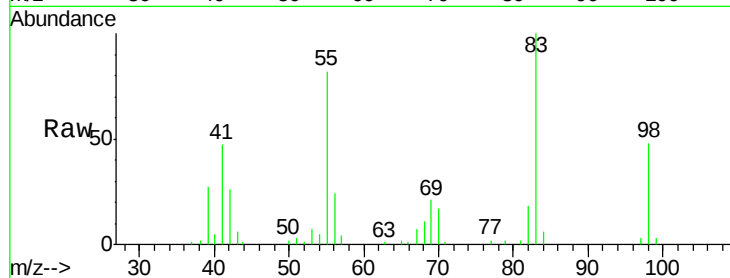
Tot Ion: 83 Resp: 190469

Ion Ratio Lower Upper

83 100

55 82.2 68.2 102.4

98 47.9 38.2 57.4



#40

Benzene

Concen: 20.681 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD061969.D

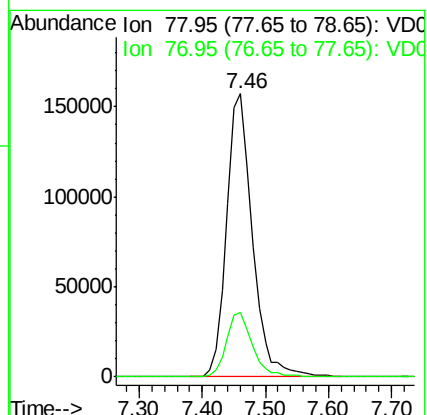
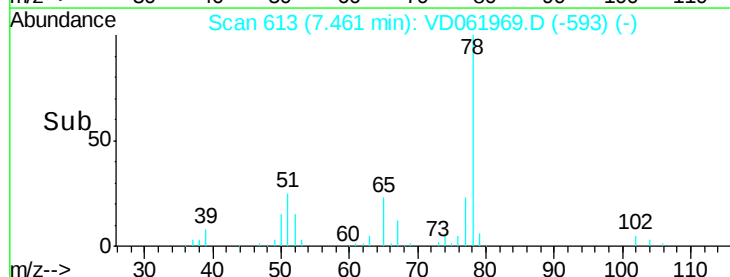
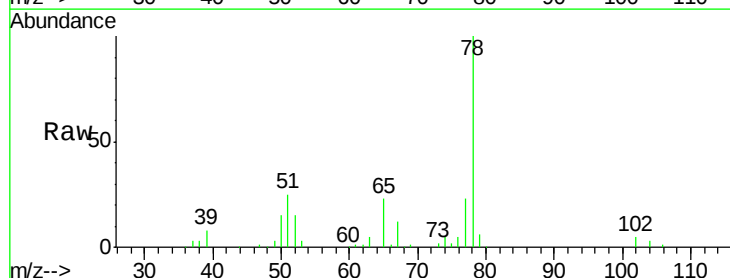
Acq: 23 Apr 2019 13:52

Tgt Ion: 78 Resp: 445995

Ion Ratio Lower Upper

78 100

77 22.8 19.7 29.5

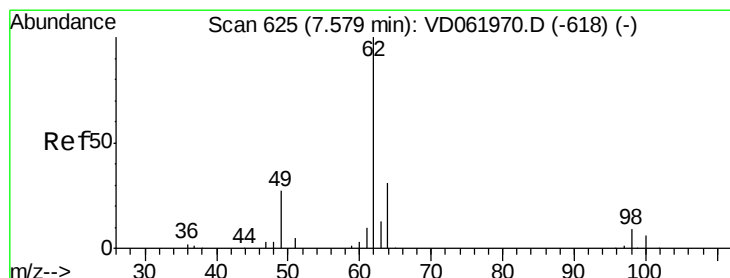
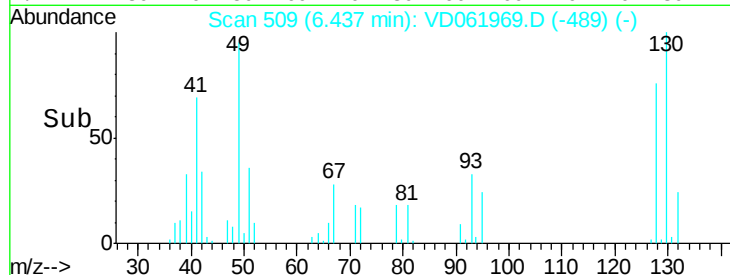
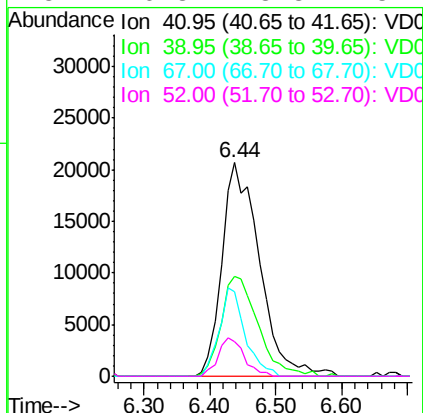
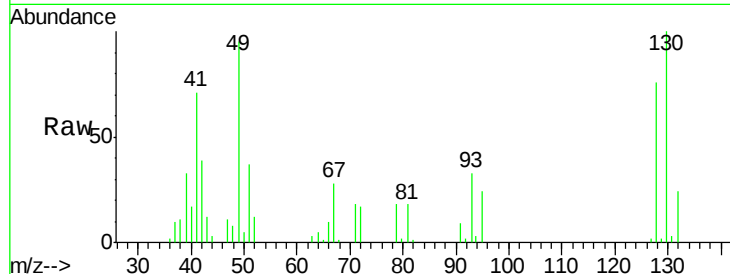




#41
Methacrylonitrile
Concen: 17.577 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

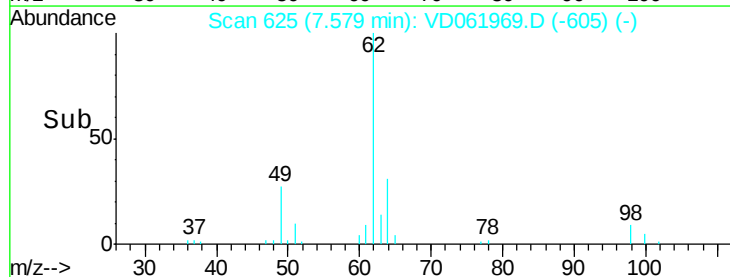
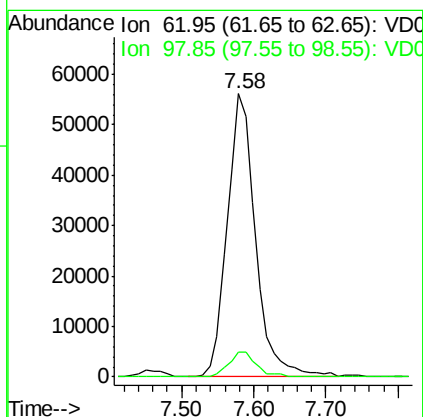
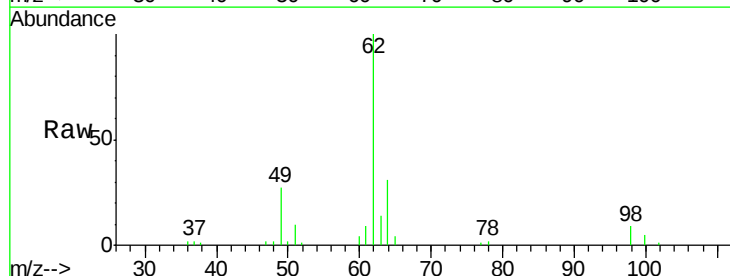
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

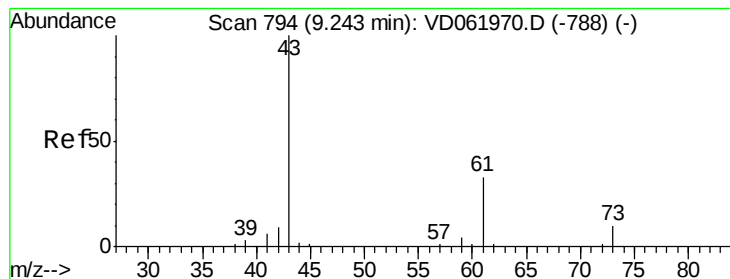
Tot Ion: 41 Resp: 82417
Ion Ratio Lower Upper
41 100
39 46.5 34.1 51.1
67 39.6 23.8 35.6#
52 16.3 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 19.325 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion: 62 Resp: 152999
Ion Ratio Lower Upper
62 100
98 8.9 0.0 17.8





#43

Isopropyl Acetate

Concen: 19.946 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

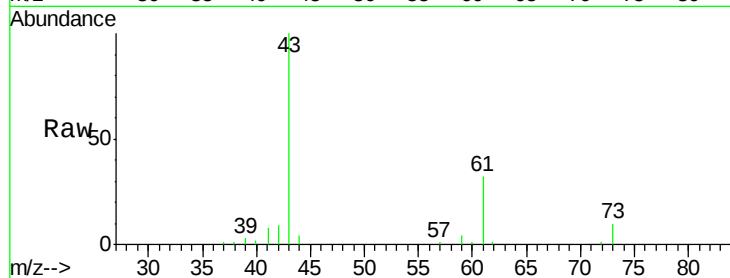
Tot Ion: 43 Resp: 115122

Ion Ratio Lower Upper

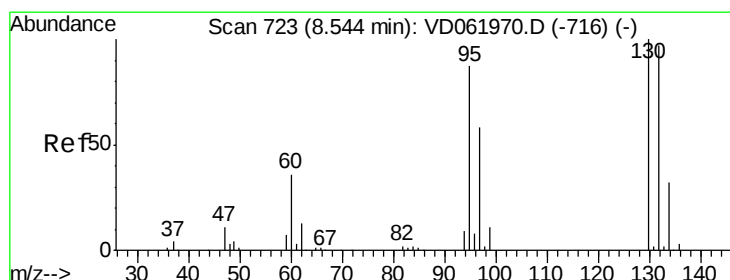
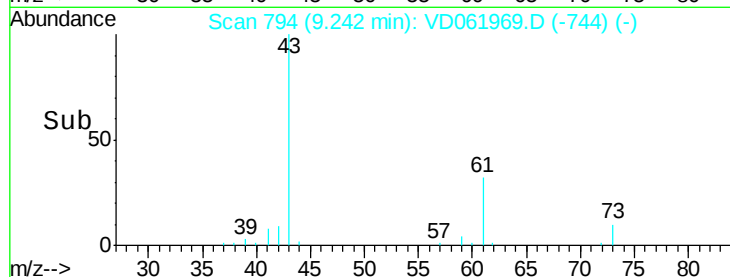
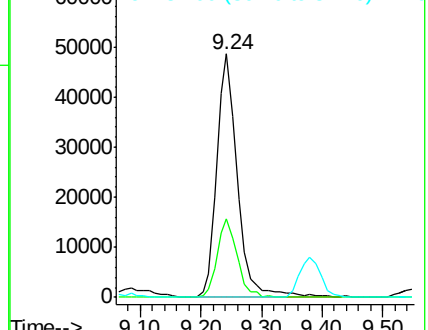
43 100

61 32.2 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: 20.382 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD061969.D

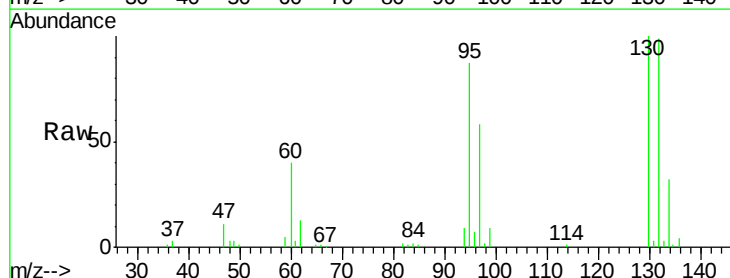
Acq: 23 Apr 2019 13:52

Tgt Ion:130 Resp: 163290

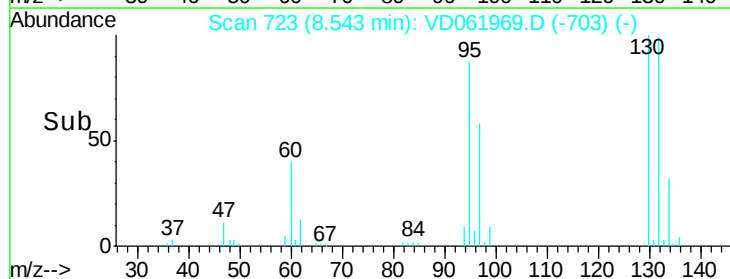
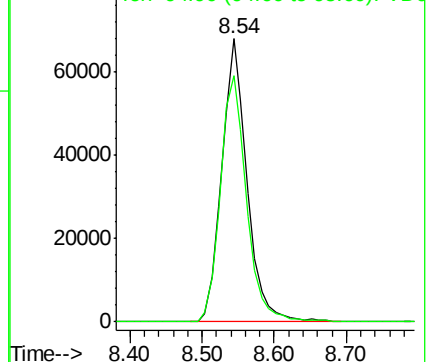
Ion Ratio Lower Upper

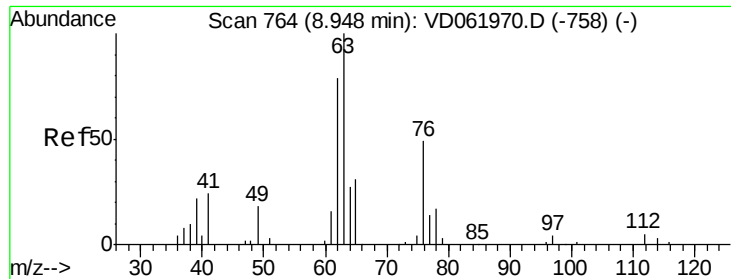
130 100

95 86.8 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: 20.878 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

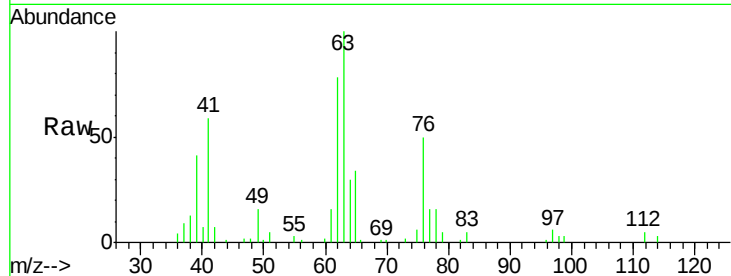
VSTDIC020

Tot Ion: 63 Resp: 114809

Ion Ratio Lower Upper

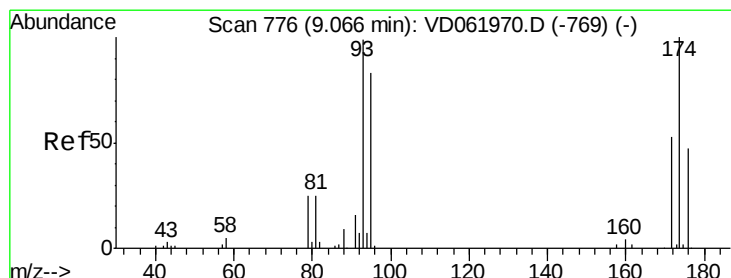
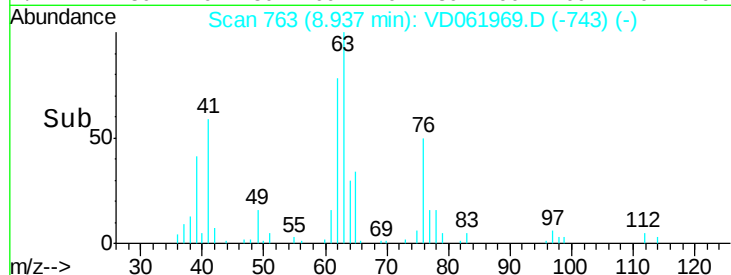
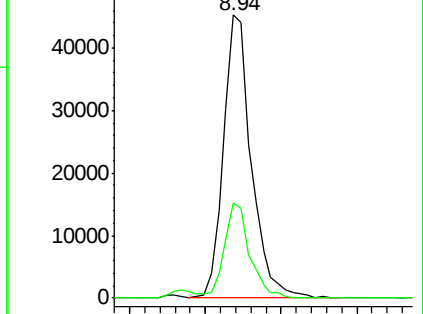
63 100

65 33.8 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: 19.593 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

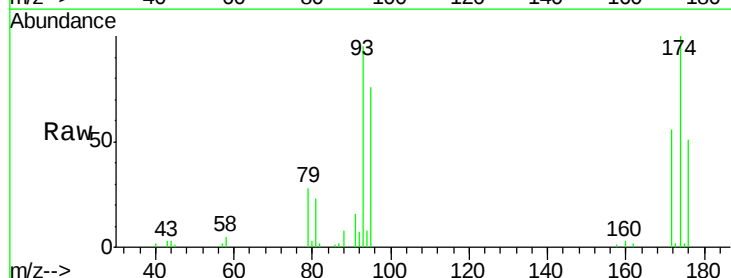
Tgt Ion: 93 Resp: 81737

Ion Ratio Lower Upper

93 100

95 80.3 64.8 97.2

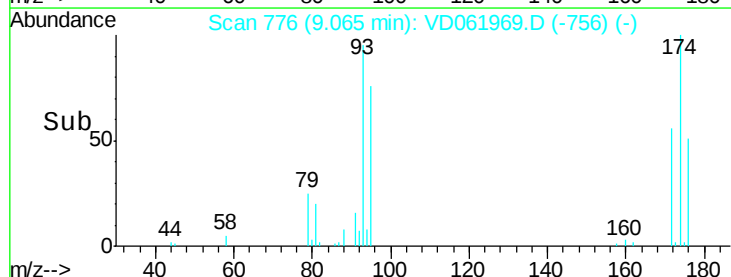
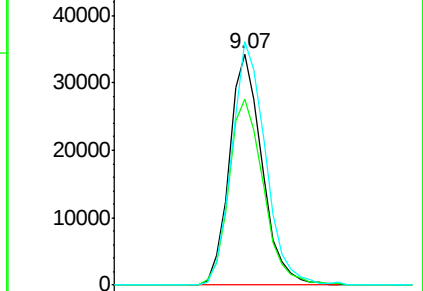
174 105.3 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.419 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

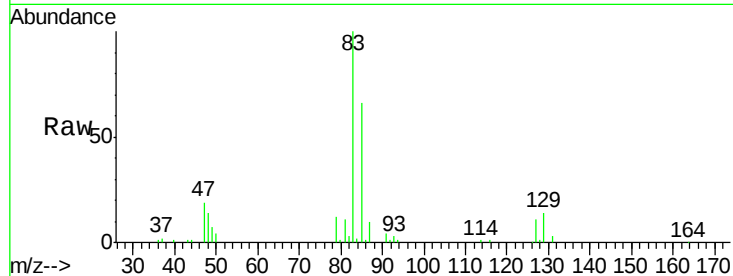
Tot Ion: 83 Resp: 195198

Ion Ratio Lower Upper

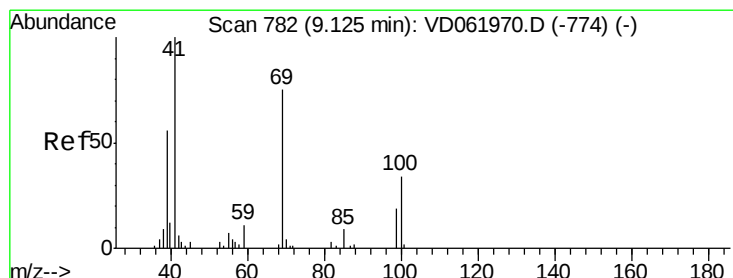
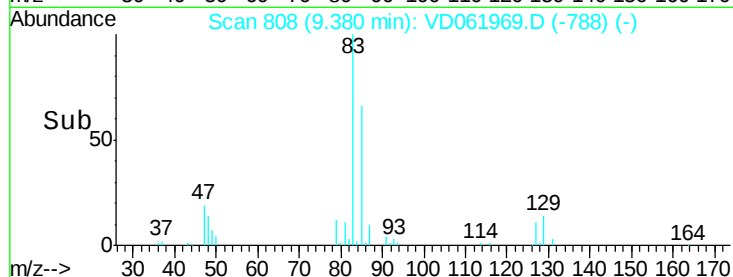
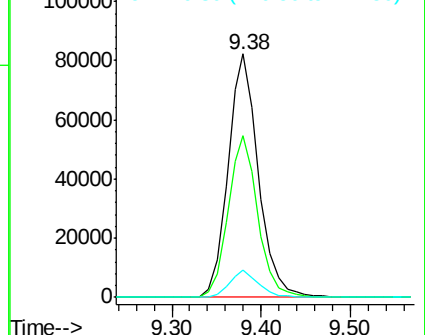
83 100

85 66.4 50.9 76.3

127 11.1 8.1 12.1



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



#48

Methyl methacrylate

Concen: 19.318 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

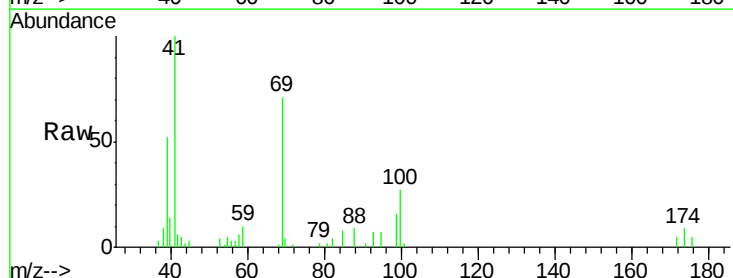
Tgt Ion: 41 Resp: 63616

Ion Ratio Lower Upper

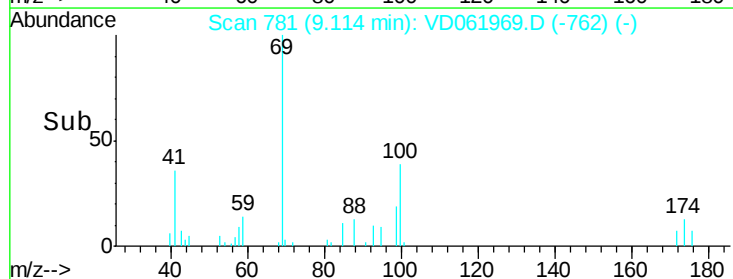
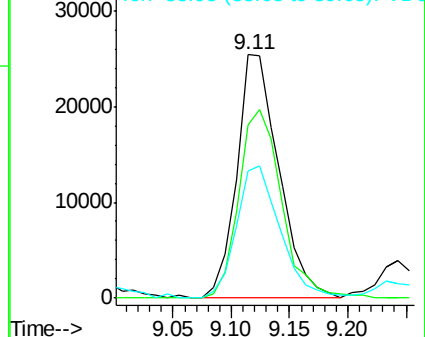
41 100

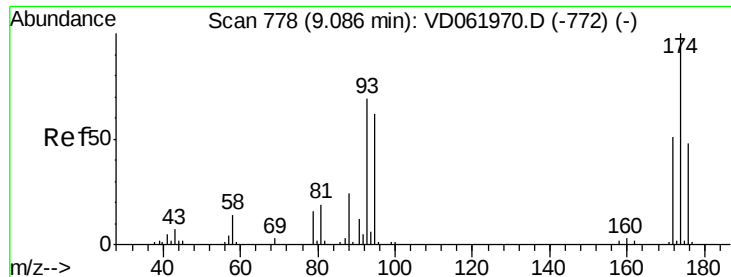
69 71.2 64.2 96.2

39 52.2 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: 409.261 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.00 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

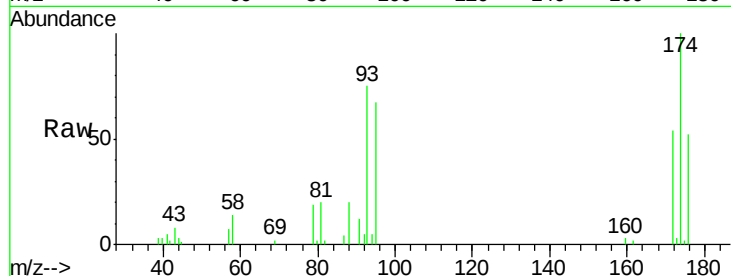
Tot Ion: 88 Resp: 13926

Ion Ratio Lower Upper

88 100

43 41.5 23.4 35.0#

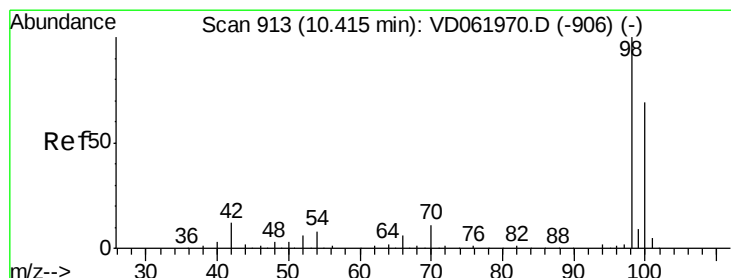
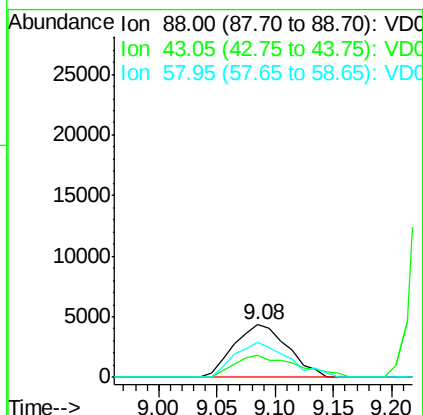
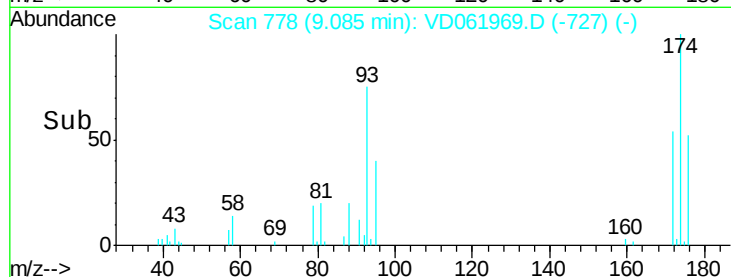
58 67.6 44.0 66.0#



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: 409.261 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD061969.D

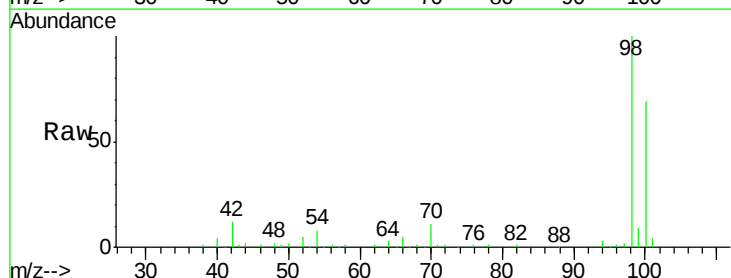
Acq: 23 Apr 2019 13:52

Tgt Ion: 98 Resp: 361821

Ion Ratio Lower Upper

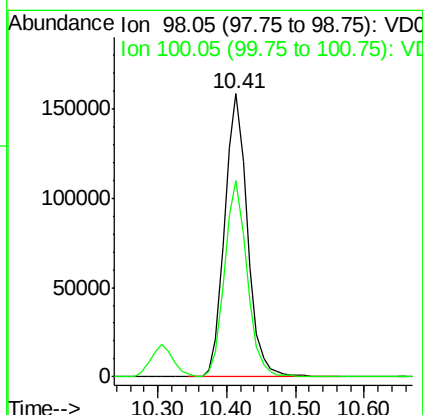
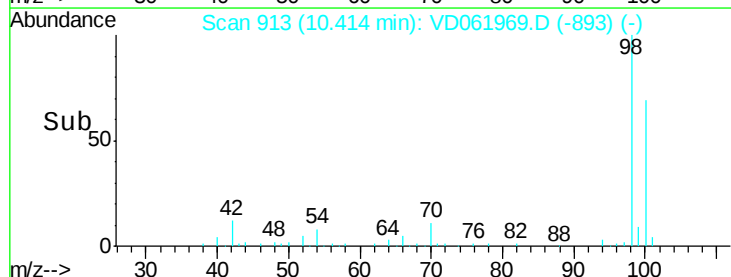
98 100

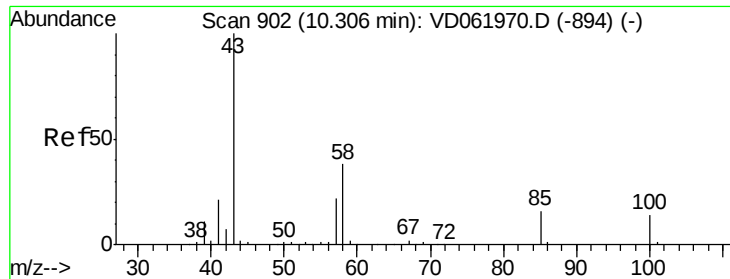
100 69.2 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 90.912 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

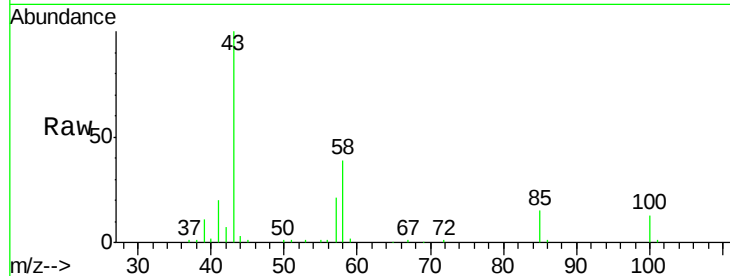
VSTDIC020

Tot Ion: 43 Resp: 335222

Ion Ratio Lower Upper

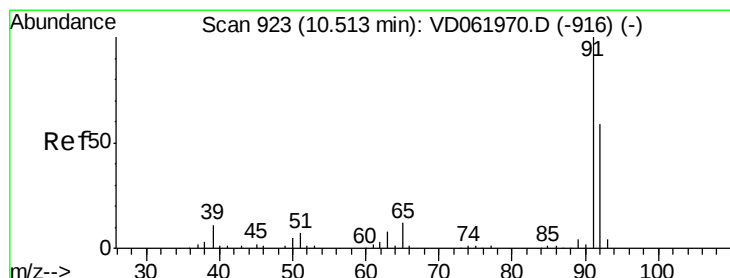
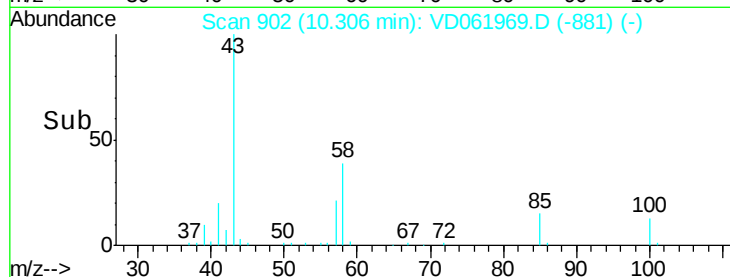
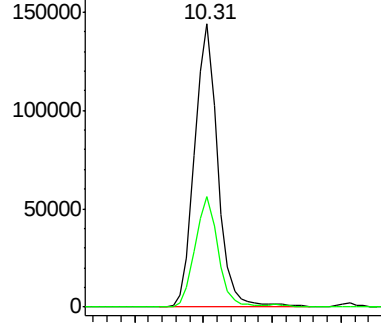
43 100

58 39.1 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.159 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD061969.D

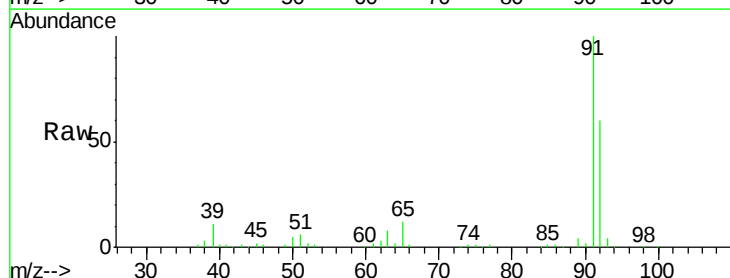
Acq: 23 Apr 2019 13:52

Tgt Ion: 92 Resp: 293588

Ion Ratio Lower Upper

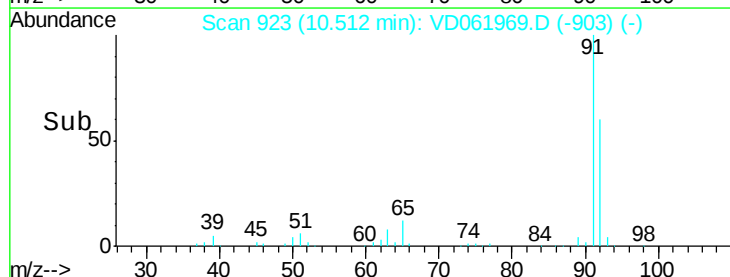
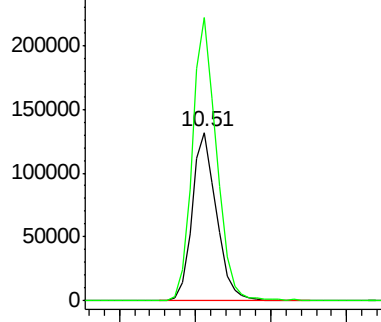
92 100

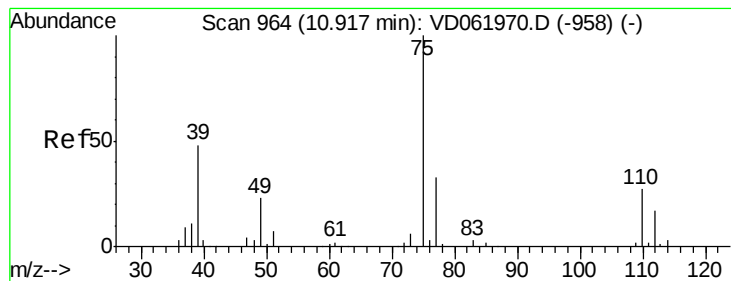
91 167.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 18.672 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

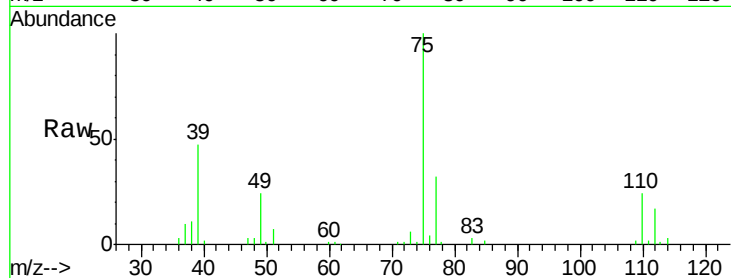
VSTDIC020

Tot Ion: 75 Resp: 158472

Ion Ratio Lower Upper

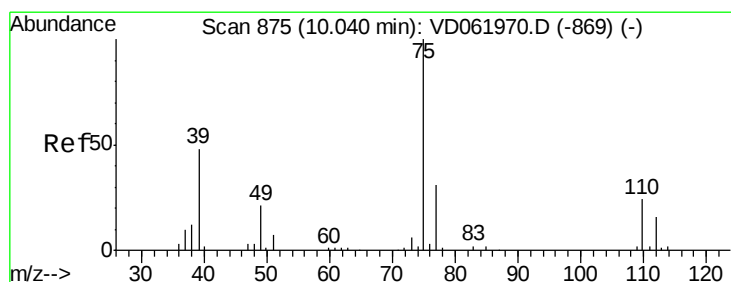
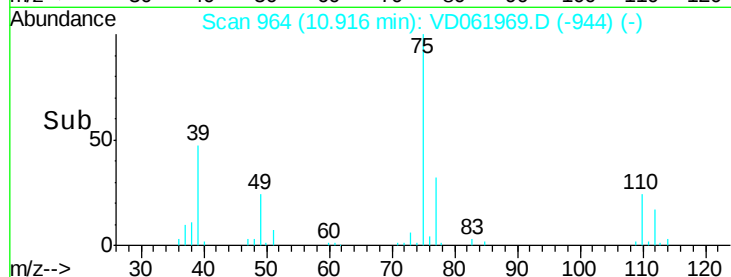
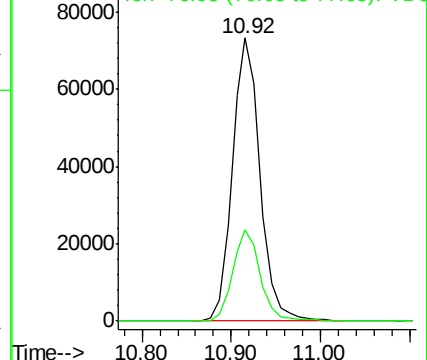
75 100

77 32.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.201 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

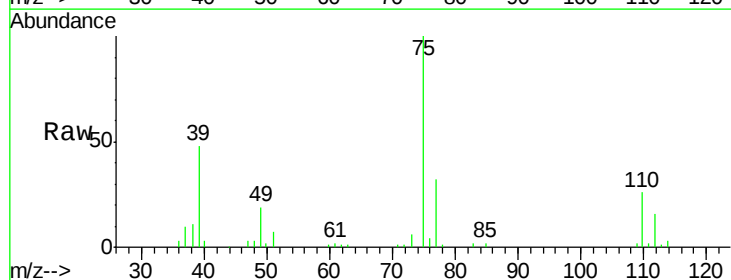
Tgt Ion: 75 Resp: 209041

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

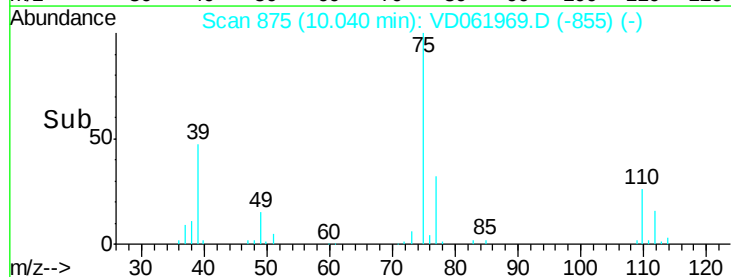
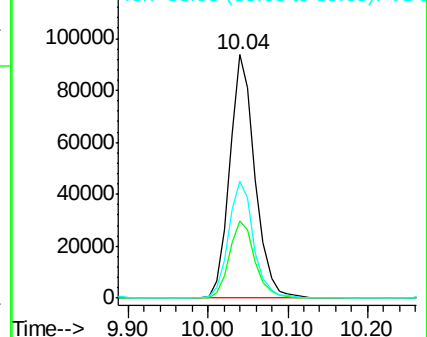
39 47.8 39.4 59.2

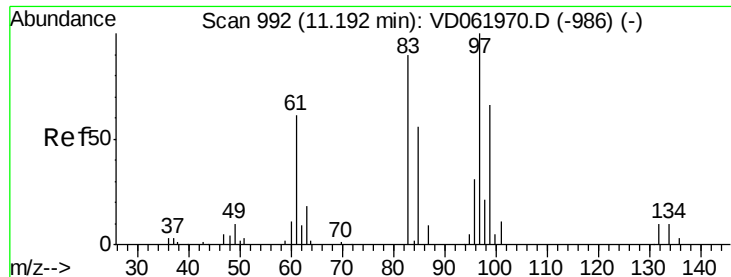


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

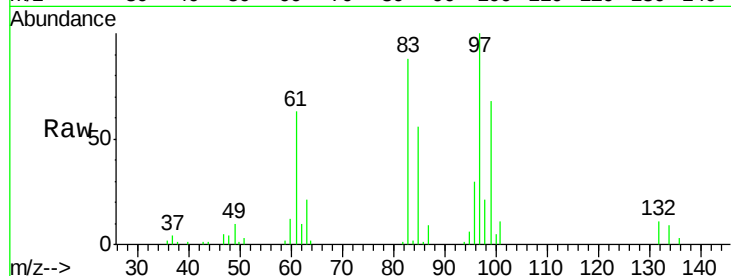




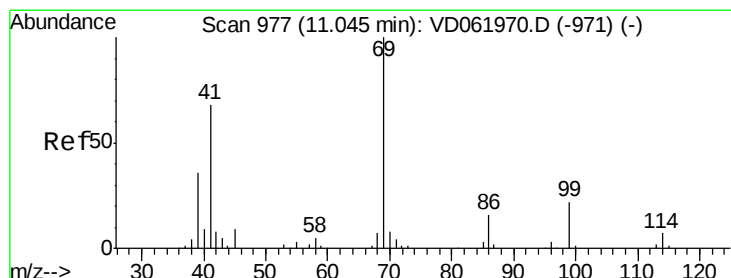
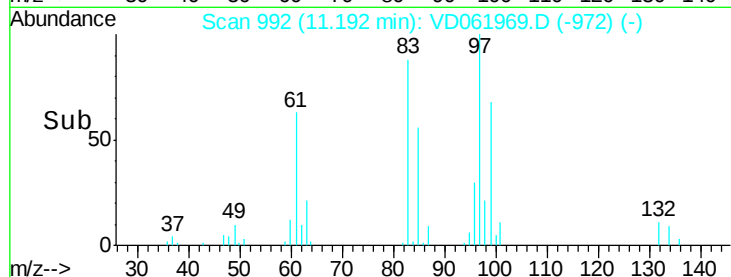
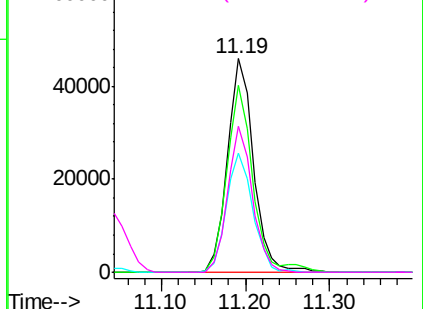
#55
 1,1,2-Trichloroethane
 Concen: 19.810 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	98911
Ion	Ratio	Lower	Upper
97	100		
83	87.8	65.7	98.5
85	55.9	45.6	68.4
99	68.4	48.4	72.6

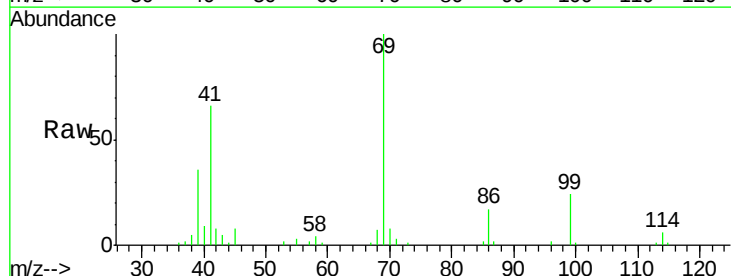


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

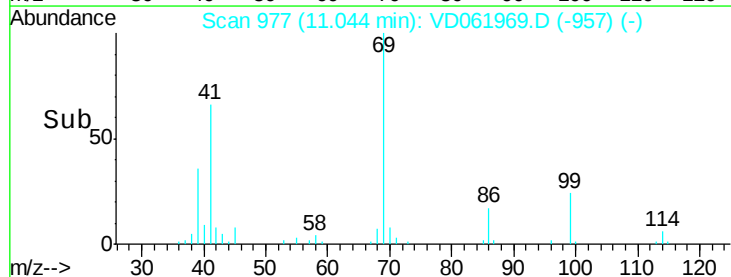
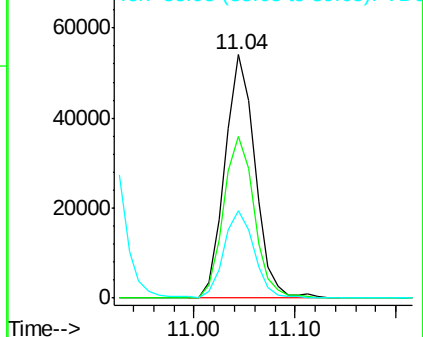


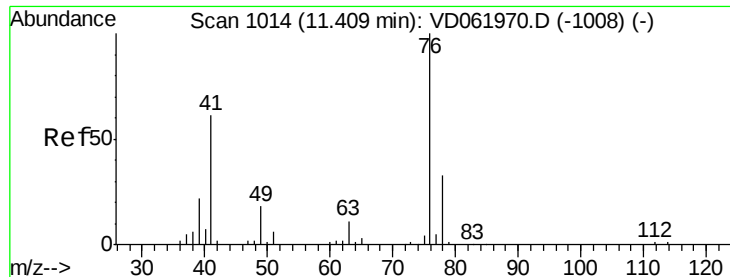
#56
 Ethyl methacrylate
 Concen: 21.189 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Tgt Ion:	69	Resp:	112382
Ion	Ratio	Lower	Upper
69	100		
41	66.3	56.3	84.5
39	36.0	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

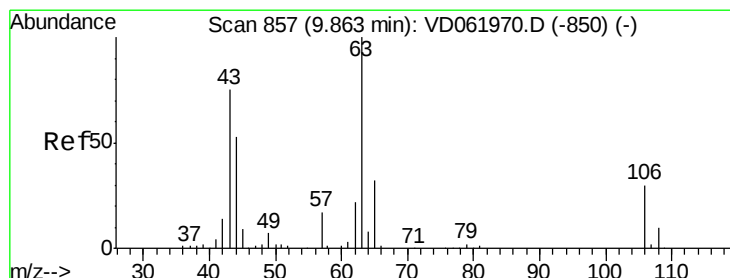
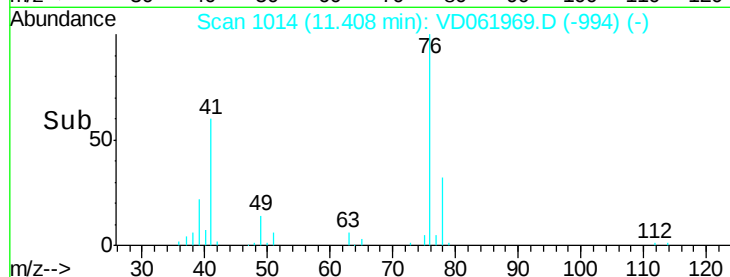
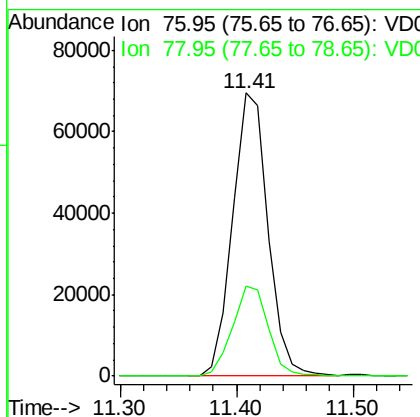
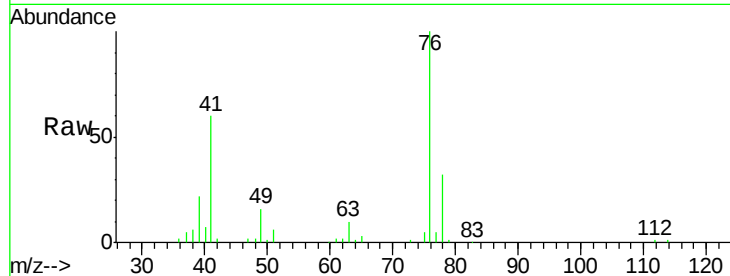




#57
 1,3-Dichloropropane
 Concen: 19.645 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

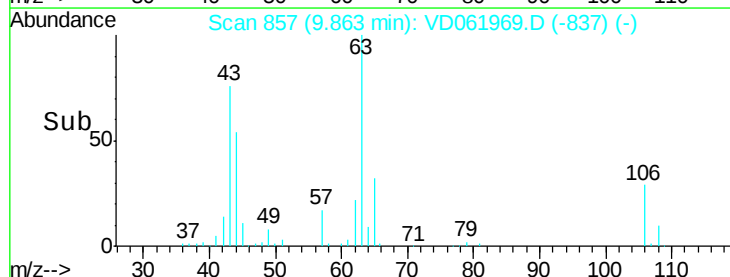
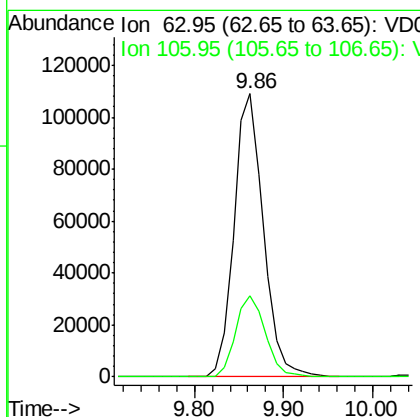
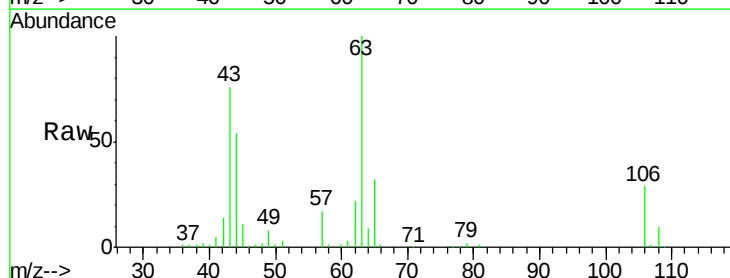
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 146148
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.615 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Tgt Ion: 63 Resp: 250949
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.6 34.0

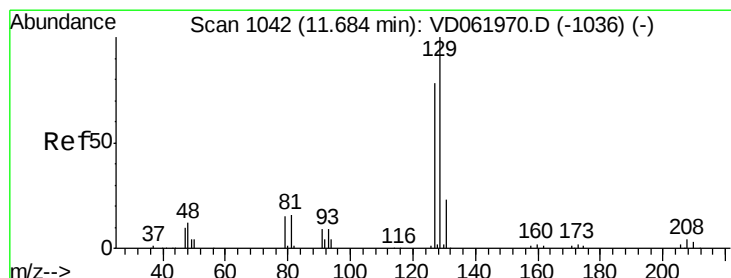
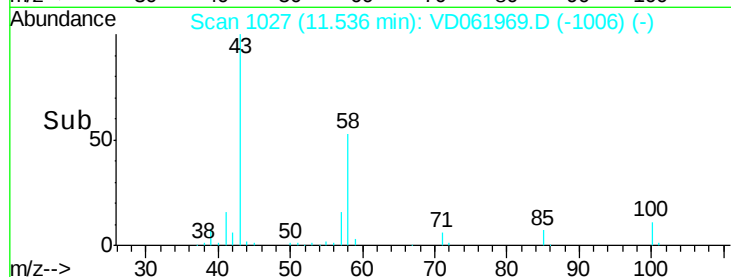
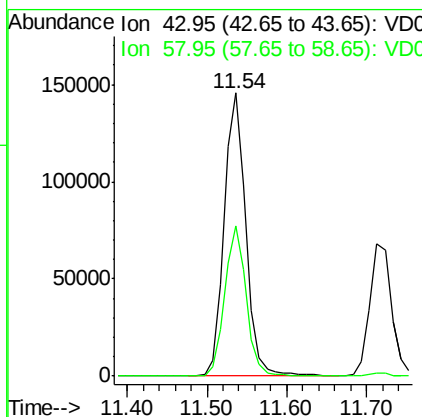
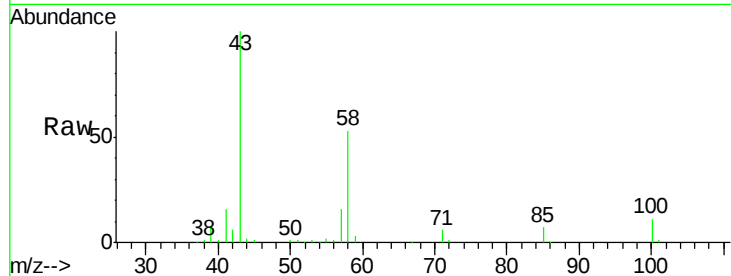




#59
2-Hexanone
Concen: 107.848 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

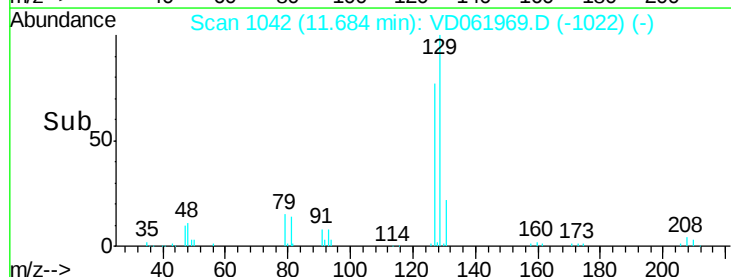
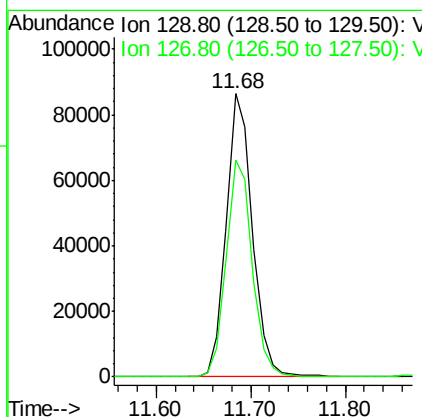
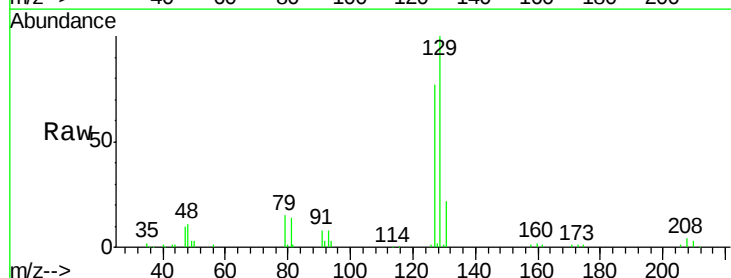
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

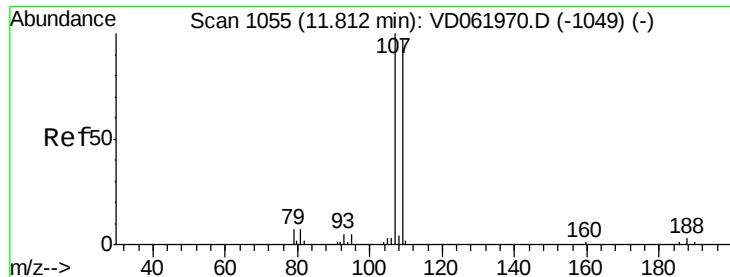
Tot Ion: 43 Resp: 279764
Ion Ratio Lower Upper
43 100
58 53.0 25.4 76.4



#60
Dibromochloromethane
Concen: 20.575 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion: 129 Resp: 165378
Ion Ratio Lower Upper
129 100
127 76.6 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.844 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

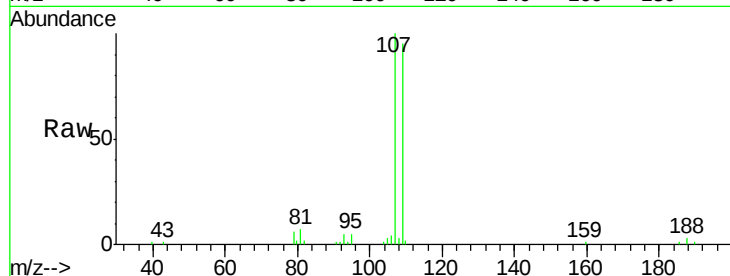
VSTDIC020

Tot Ion:107 Resp: 118722

Ion Ratio Lower Upper

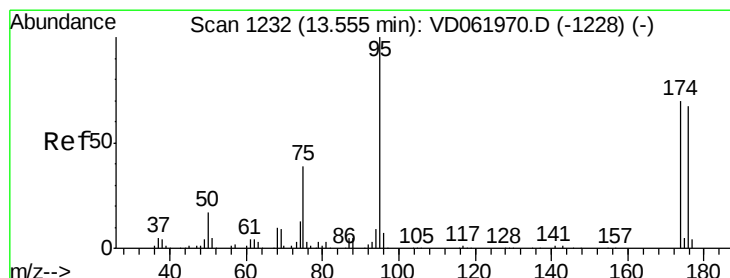
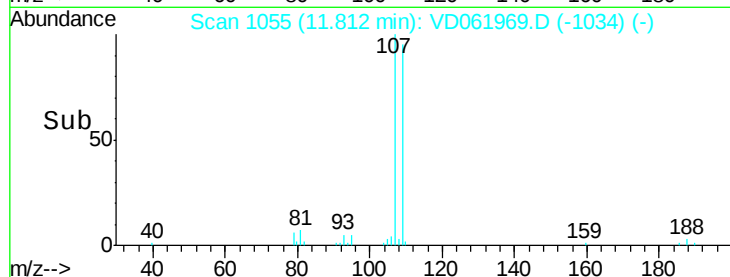
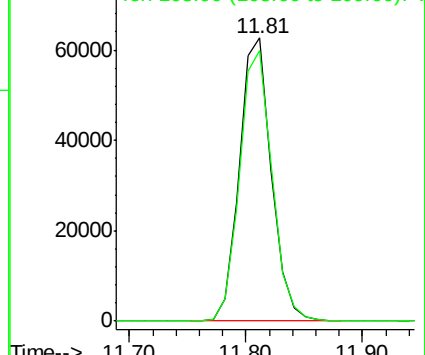
107 100

109 95.4 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.844 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

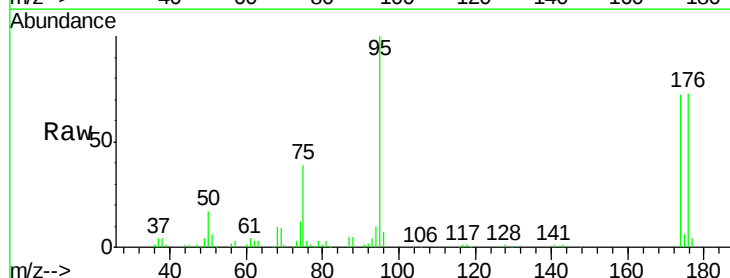
Tgt Ion: 95 Resp: 149692

Ion Ratio Lower Upper

95 100

174 72.4 0.0 181.8

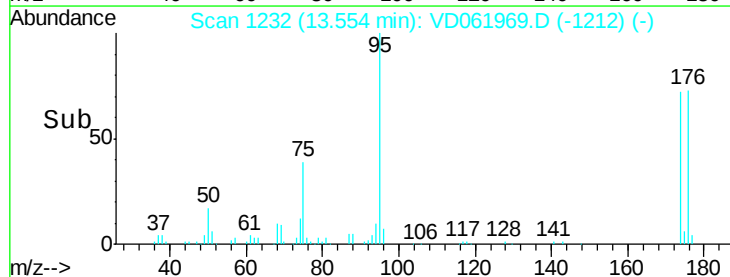
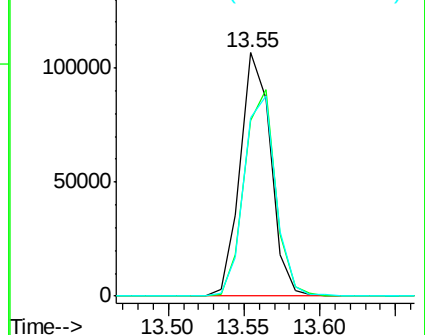
176 73.4 0.0 174.4

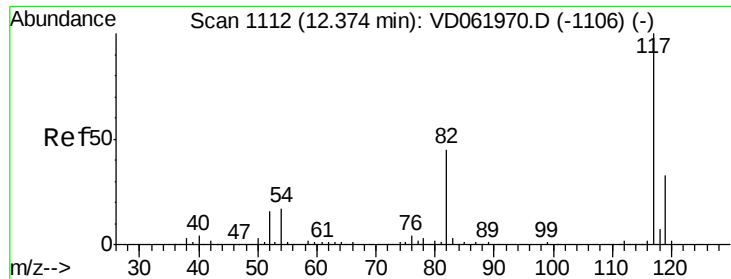


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

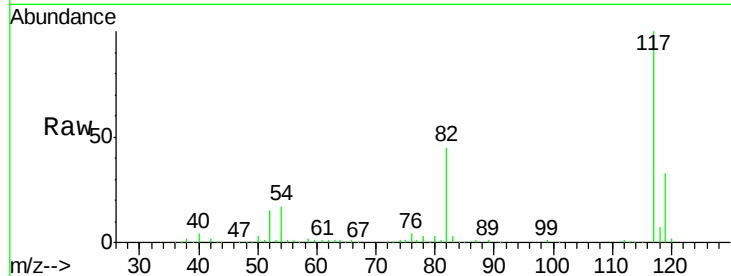




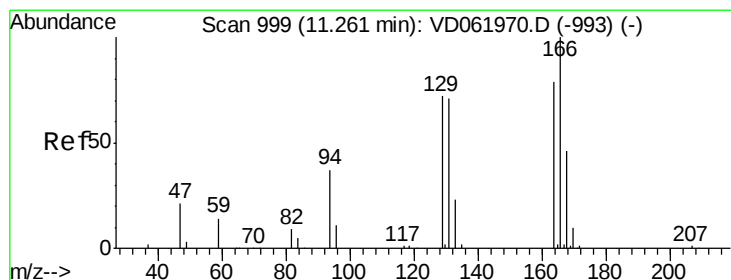
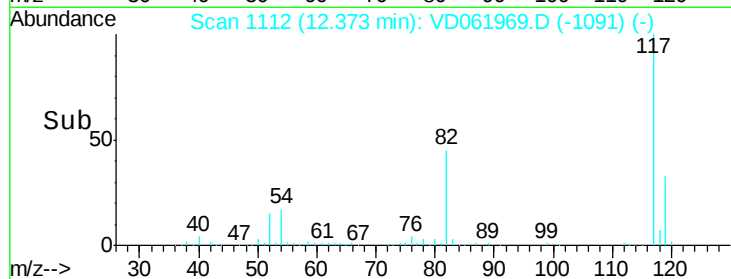
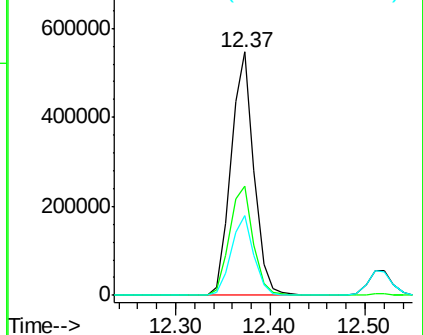
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 912276
Ion Ratio Lower Upper
117 100
82 44.6 36.2 54.2
119 32.6 26.2 39.4

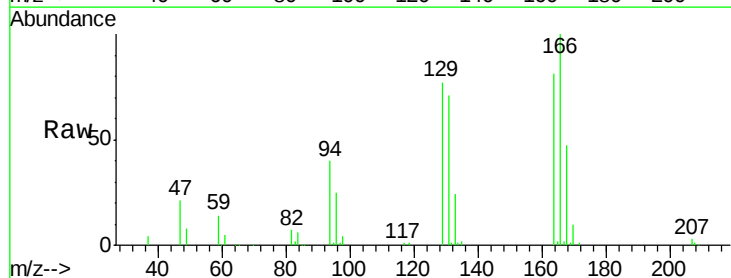


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

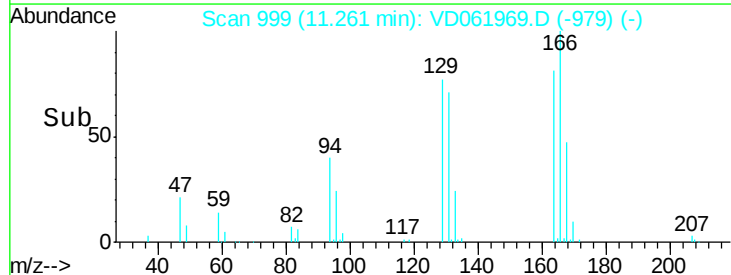
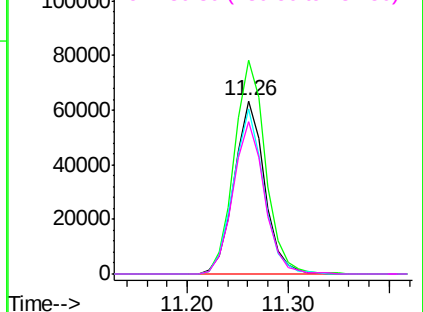


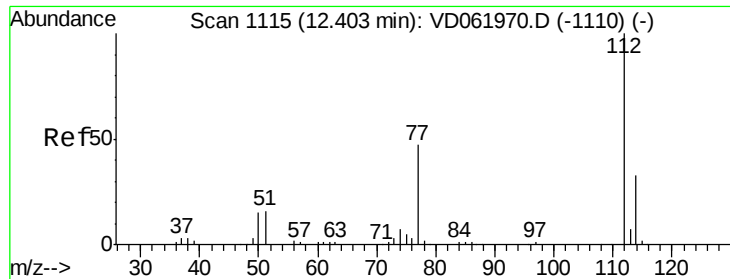
#64
Tetrachloroethene
Concen: 19.914 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion:164 Resp: 132289
Ion Ratio Lower Upper
164 100
166 123.3 101.5 152.3
129 95.5 74.6 112.0
131 88.1 72.6 108.8



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

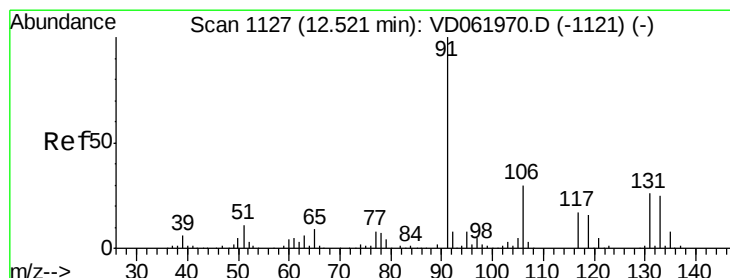
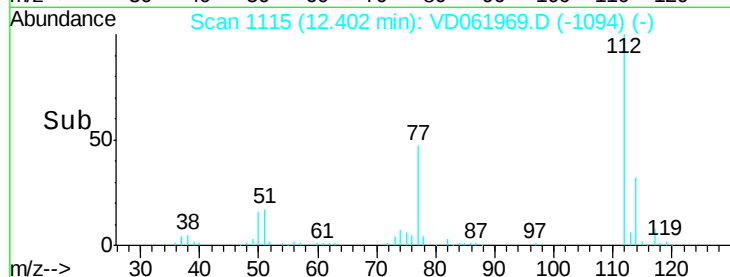
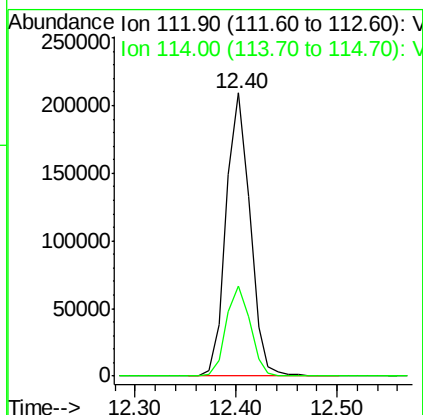
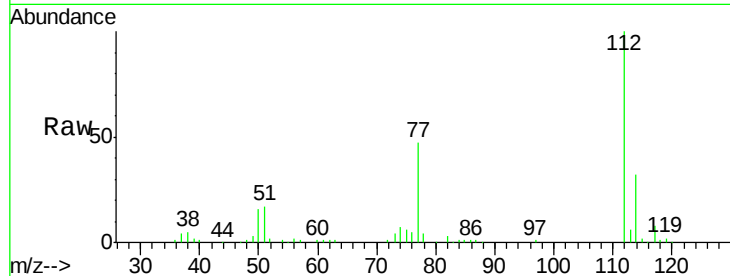




#65
Chlorobenzene
Concen: 19.679 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

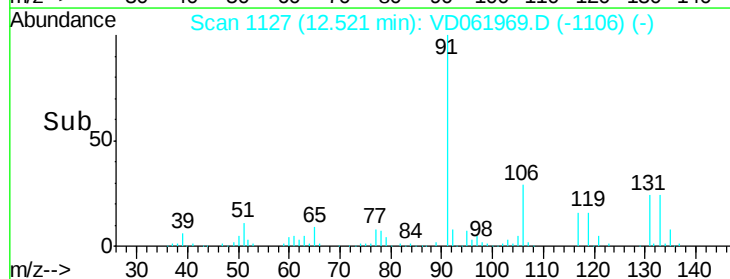
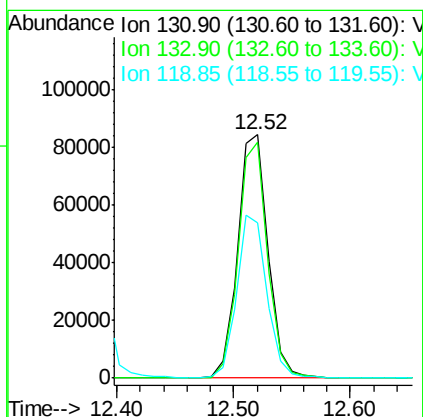
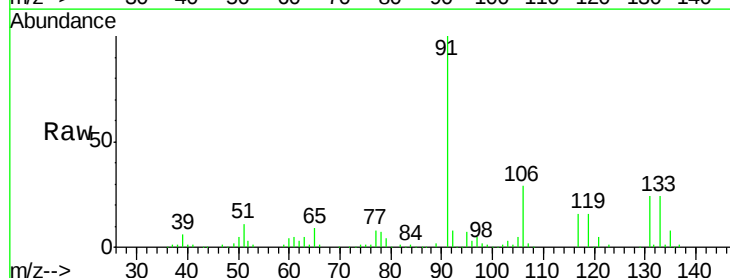
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

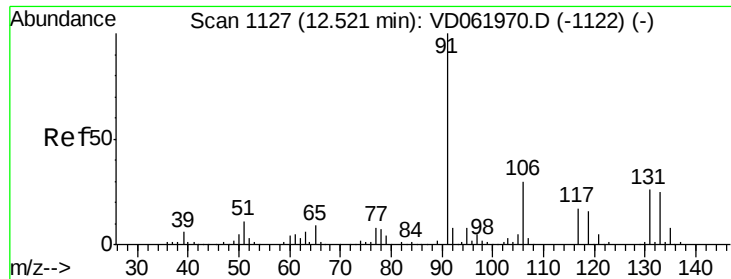
Tot Ion:112 Resp: 344551
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.992 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion:131 Resp: 151720
Ion Ratio Lower Upper
131 100
133 96.8 48.6 145.8
119 64.0 34.7 104.1

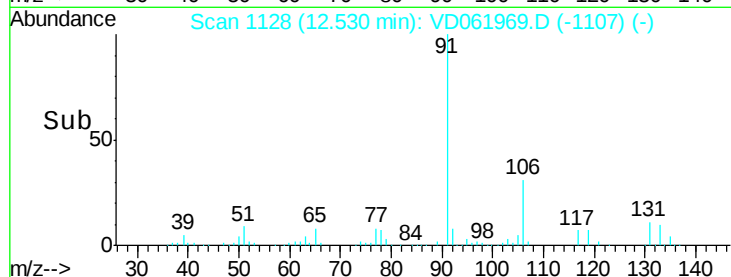
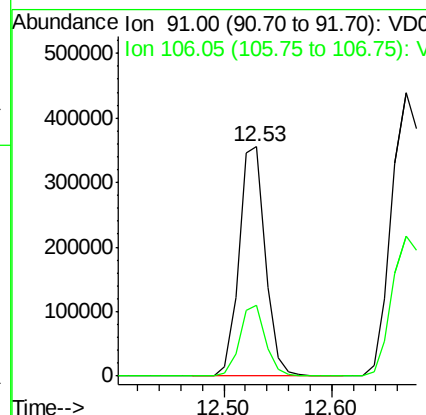
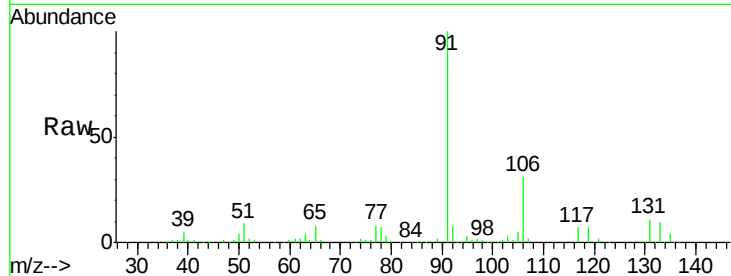




#67
Ethyl Benzene
Concen: 22.624 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

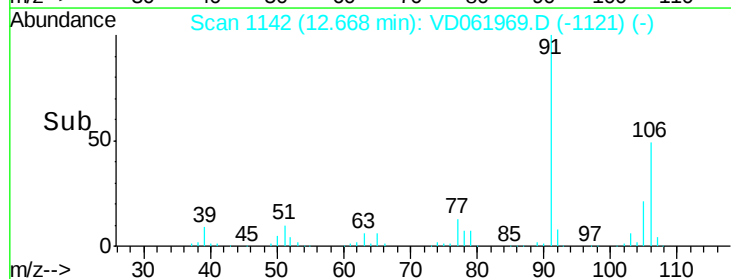
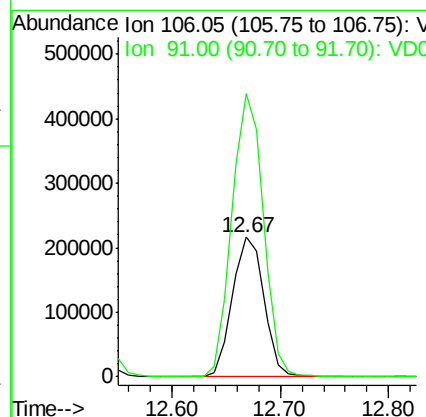
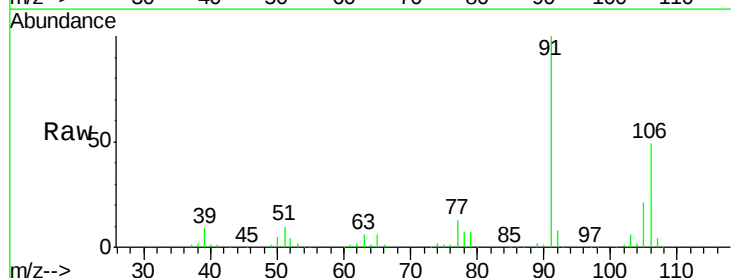
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 601425
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1



#68
m/p-Xylenes
Concen: 43.225 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion: 106 Resp: 439526
Ion Ratio Lower Upper
106 100
91 202.7 164.0 246.0

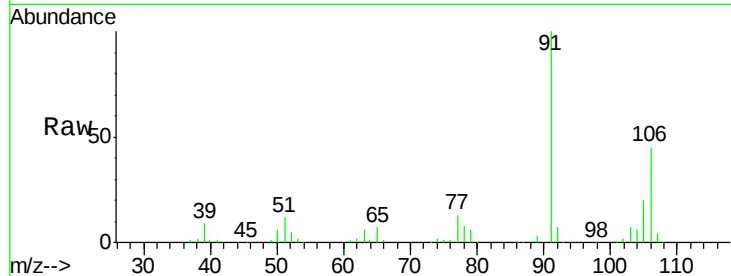




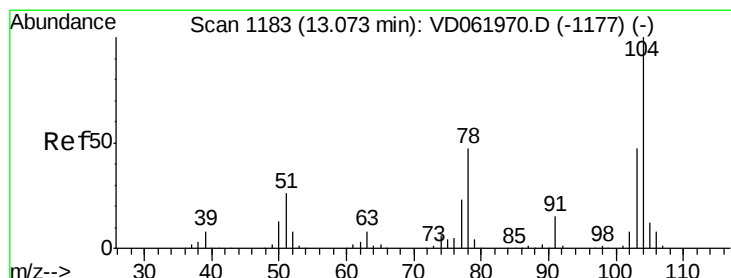
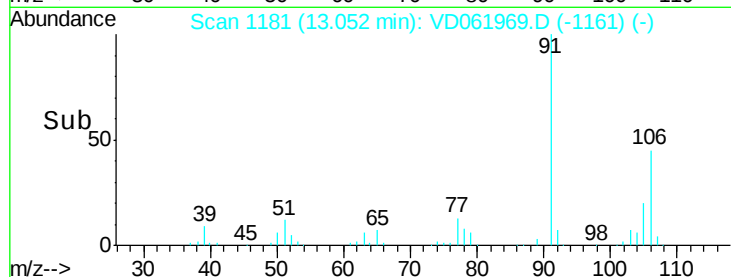
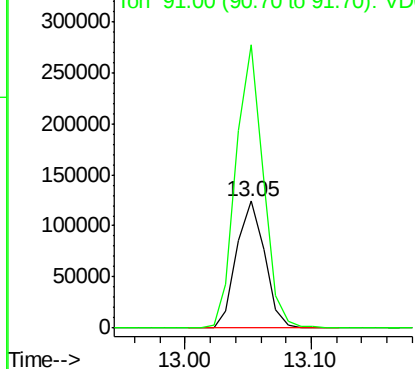
#69
o-Xylene
Concen: 19.992 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 193470
Ion Ratio Lower Upper
106 100
91 222.6 106.7 319.9

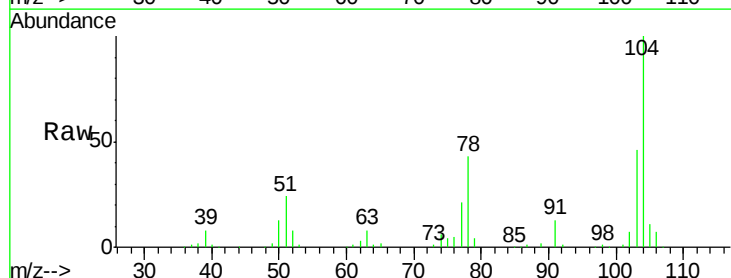


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

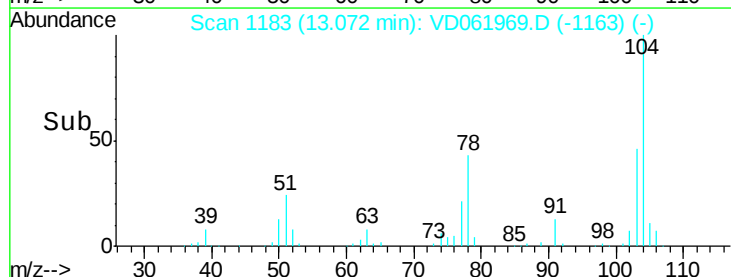
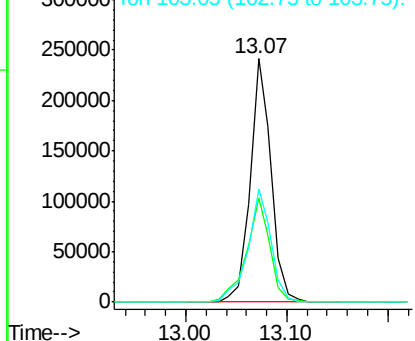


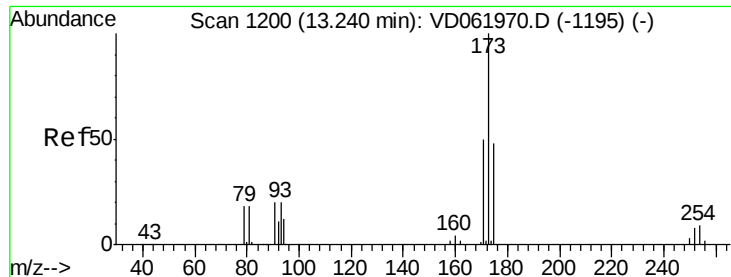
#70
Styrene
Concen: 20.805 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion:104 Resp: 348395
Ion Ratio Lower Upper
104 100
78 43.0 35.4 53.2
103 46.4 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

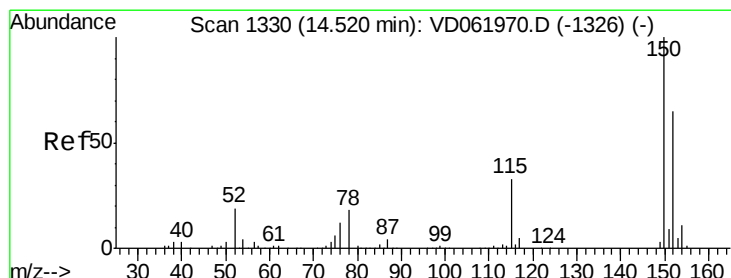
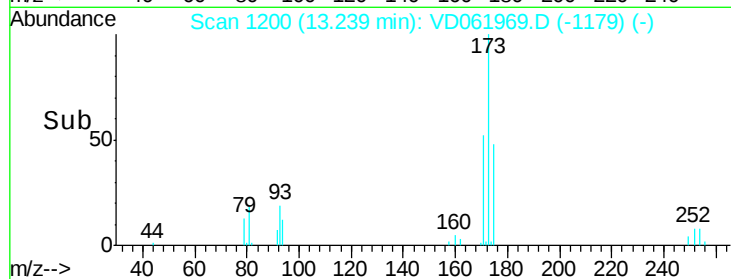
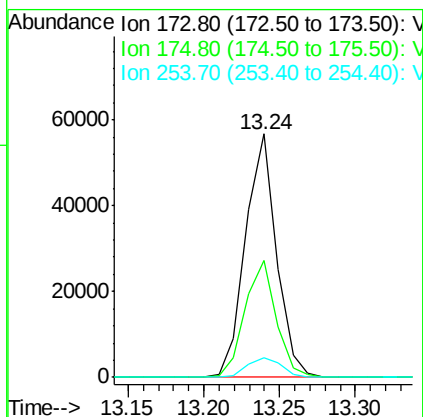
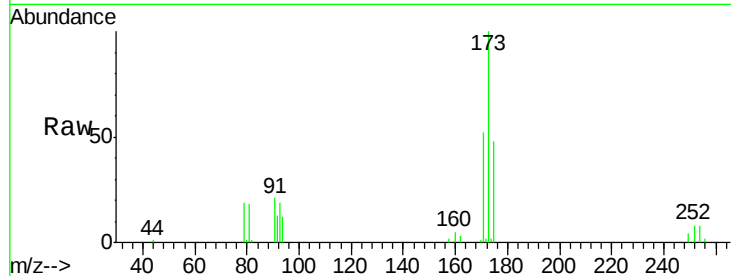




#71
Bromoform
Concen: 18.126 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

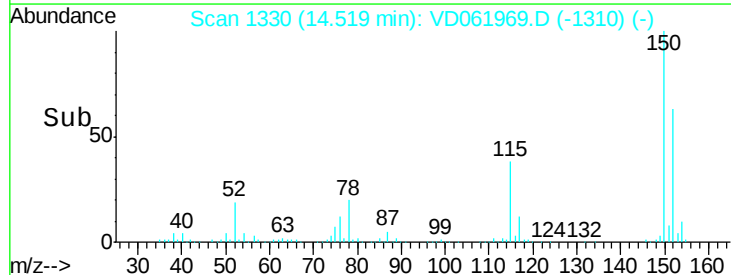
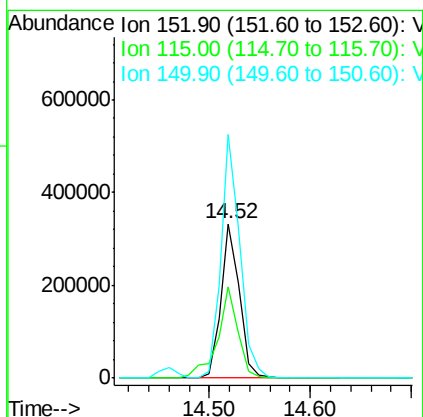
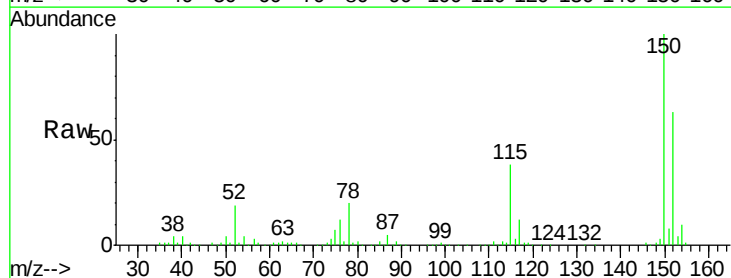
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

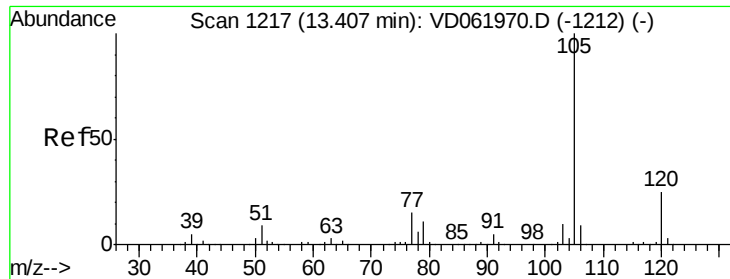
Tot Ion:173 Resp: 80863
Ion Ratio Lower Upper
173 100
175 48.3 24.4 73.4
254 8.3 5.4 8.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion:152 Resp: 425432
Ion Ratio Lower Upper
152 100
115 59.3 30.9 92.7
150 157.5 0.0 314.8





#73

Isopropylbenzene

Concen: 21.075 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

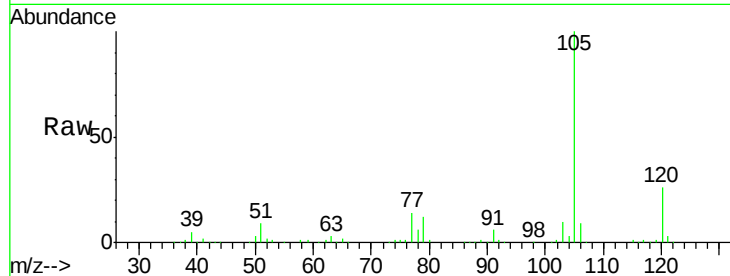
VSTDIC020

Tot Ion:105 Resp: 571738

Ion Ratio Lower Upper

105 100

120 25.6 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

400000

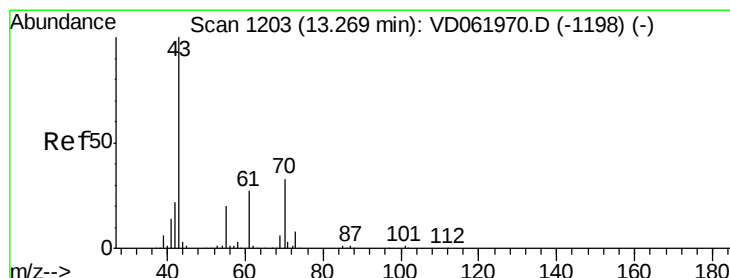
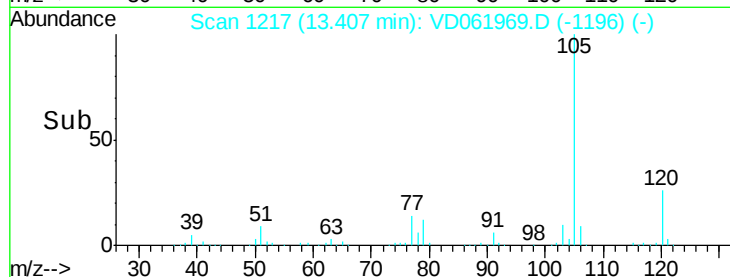
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 19.890 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Tgt Ion: 43 Resp: 146764

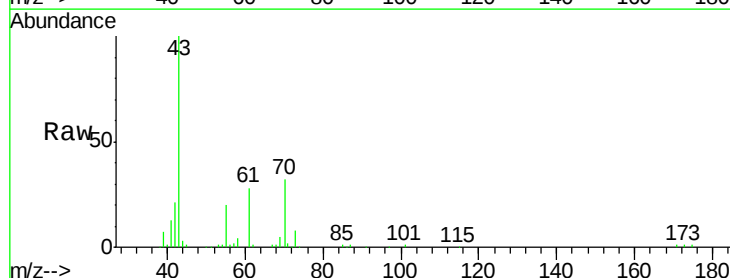
Ion Ratio Lower Upper

43 100

70 32.3 24.2 36.4

55 20.2 16.0 24.0

61 28.4 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.27

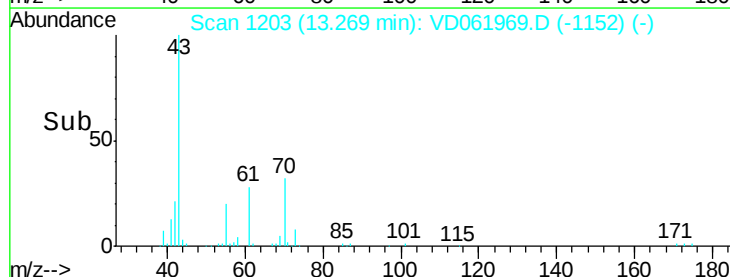
150000

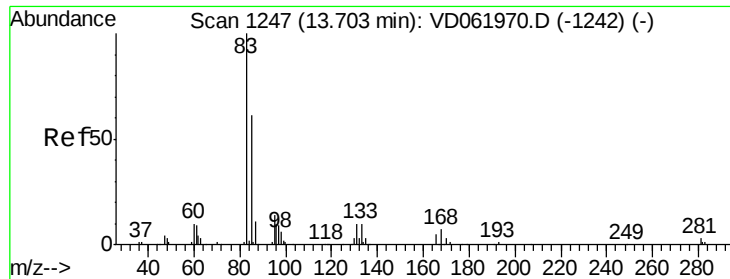
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 17.989 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

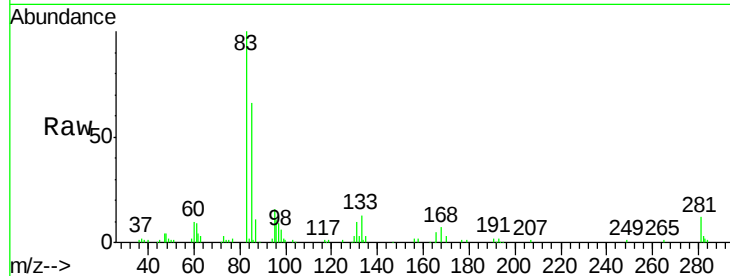
Tot Ion: 83 Resp: 105196

Ion Ratio Lower Upper

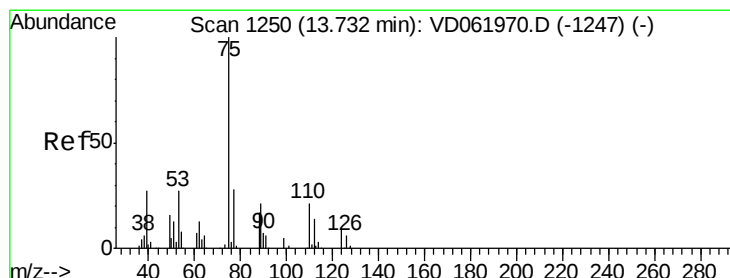
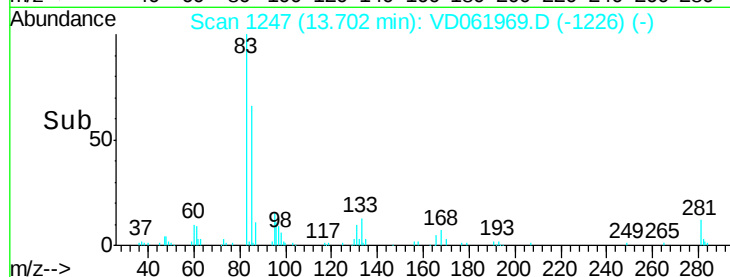
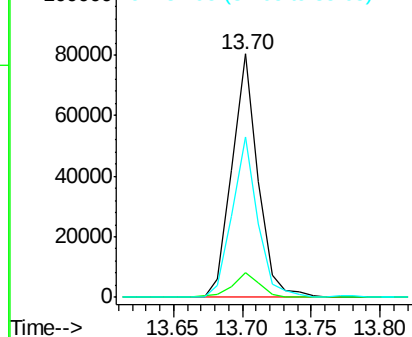
83 100

131 9.9 5.0 14.9

85 66.0 32.6 97.7



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



#76

1,2,3-Trichloropropane

Concen: 19.700 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD061969.D

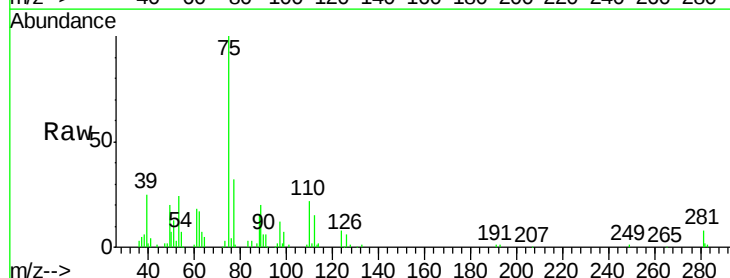
Acq: 23 Apr 2019 13:52

Tgt Ion: 75 Resp: 111287

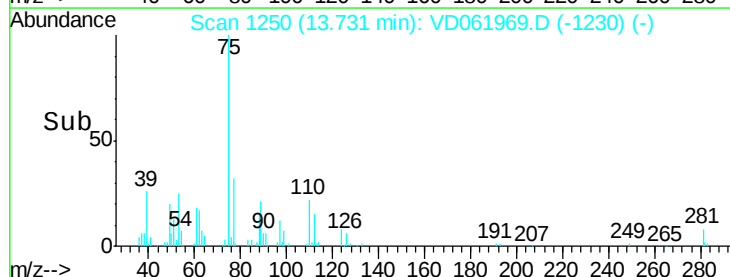
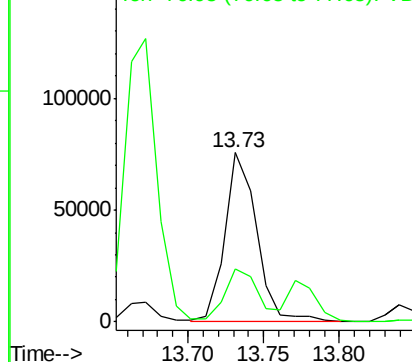
Ion Ratio Lower Upper

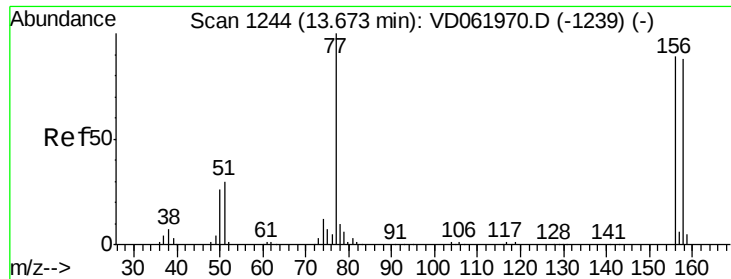
75 100

77 31.6 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: 19.910 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

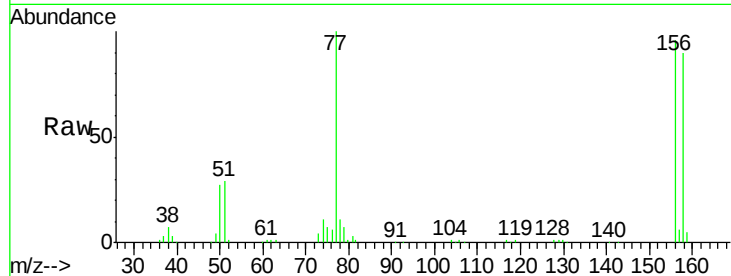
Tot Ion:156 Resp: 159032

Ion Ratio Lower Upper

156 100

77 104.6 53.1 159.4

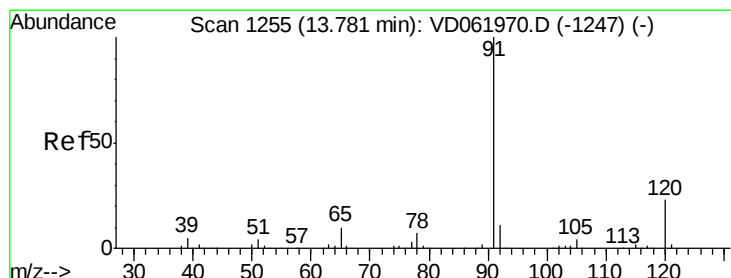
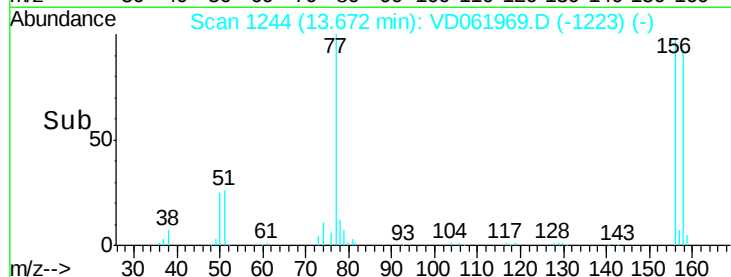
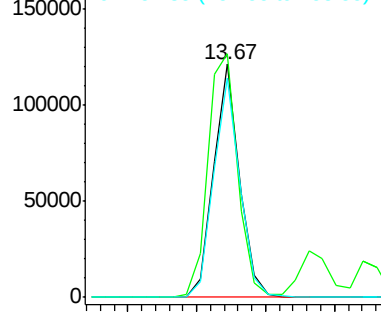
158 94.2 49.4 148.0



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: 22.371 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD061969.D

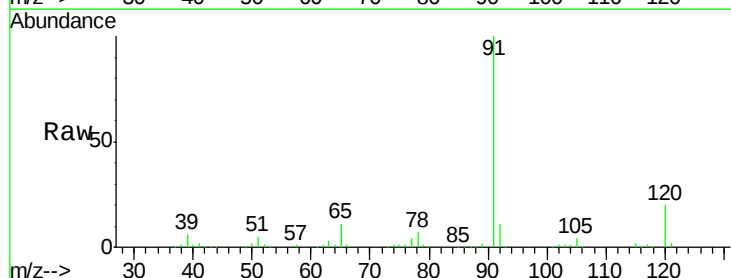
Acq: 23 Apr 2019 13:52

Tgt Ion: 91 Resp: 720435

Ion Ratio Lower Upper

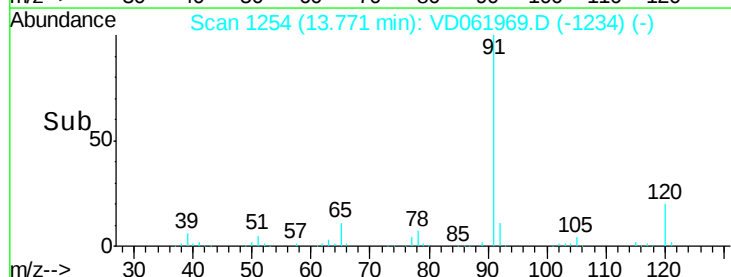
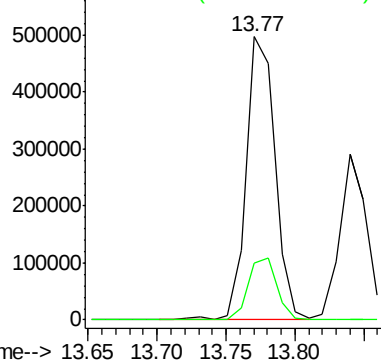
91 100

120 20.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

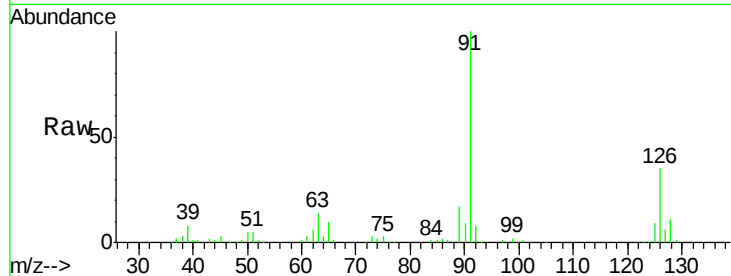




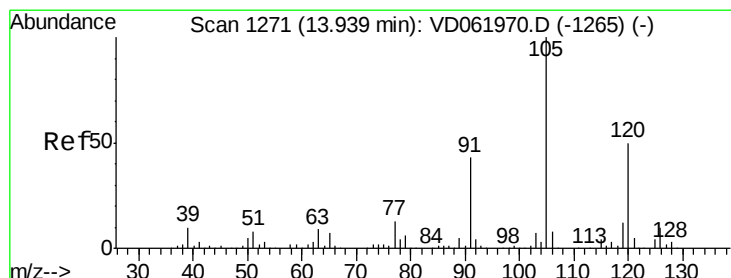
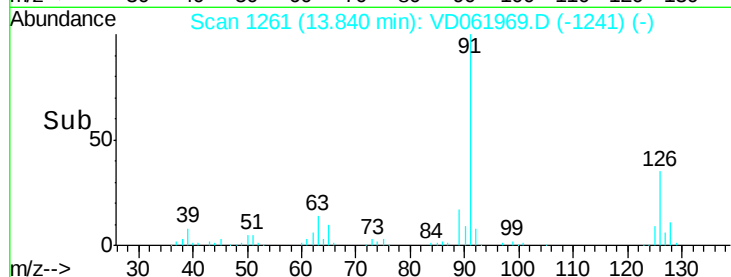
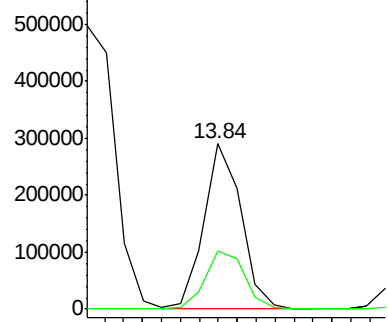
#79
2-Chlorotoluene
Concen: 20.498 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 394502
Ion Ratio Lower Upper
91 100
126 35.4 18.6 55.8

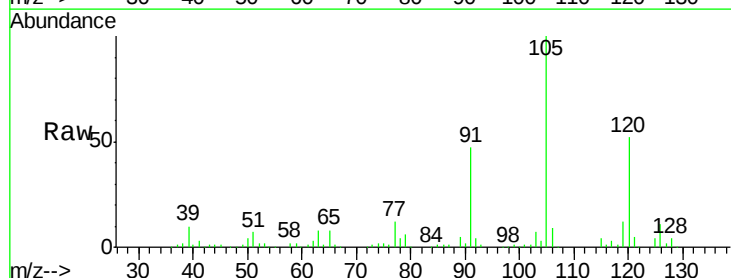


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

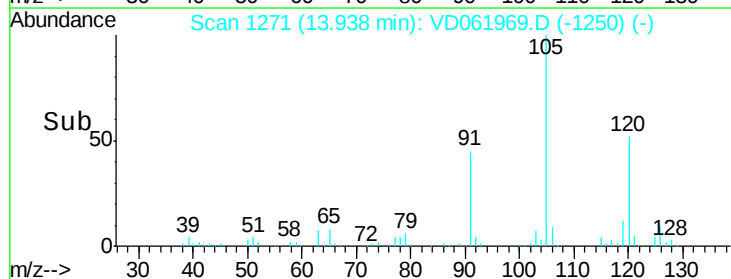
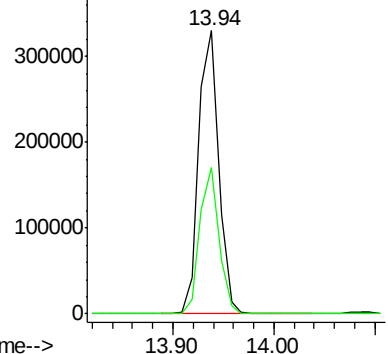


#80
1,3,5-Trimethylbenzene
Concen: 20.104 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion:105 Resp: 456535
Ion Ratio Lower Upper
105 100
120 51.6 24.0 72.0



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

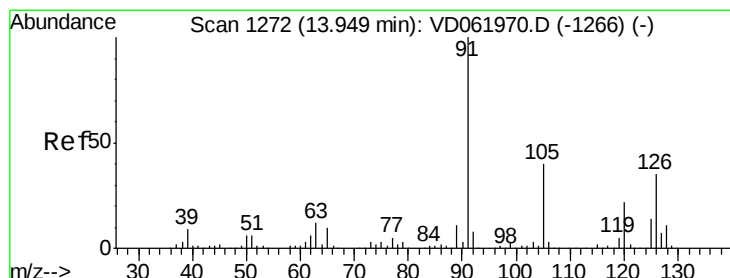
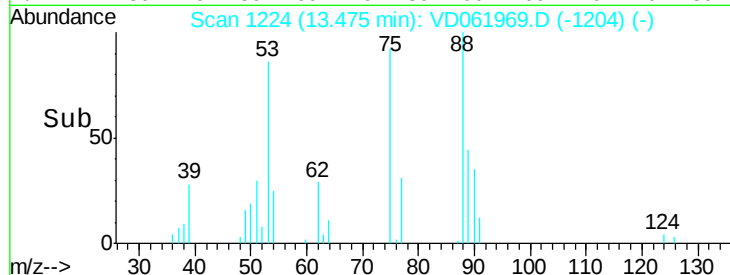
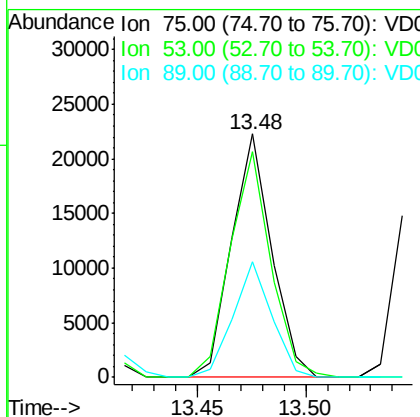
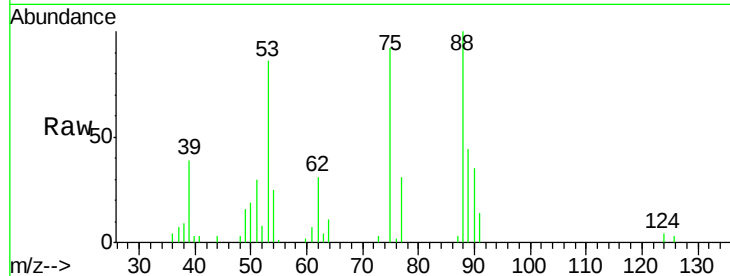




#81
trans-1,4-Dichloro-2-butene
Concen: 17.156 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

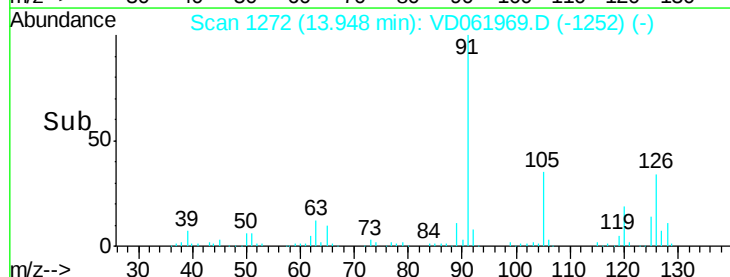
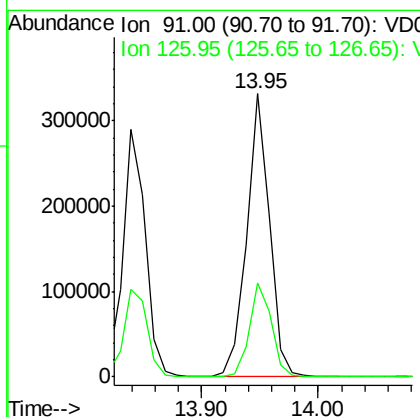
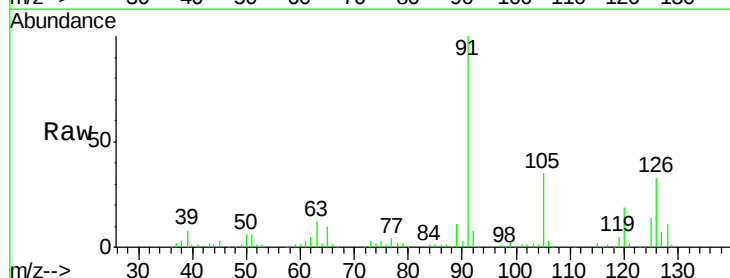
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

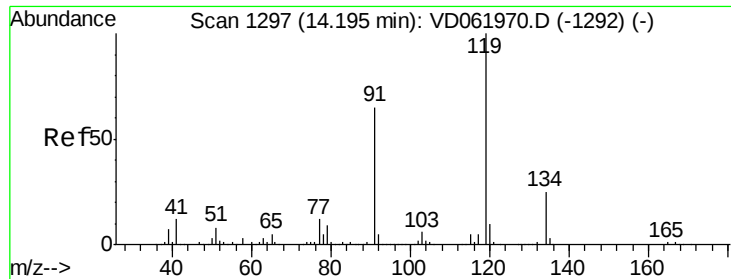
Tot Ion: 75 Resp: 28656
Ion Ratio Lower Upper
75 100
53 93.0 65.8 98.8
89 47.7 35.0 52.6



#82
4-Chlorotoluene
Concen: 20.594 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD061969.D
Acq: 23 Apr 2019 13:52

Tgt Ion: 91 Resp: 446583
Ion Ratio Lower Upper
91 100
126 33.4 19.1 57.5

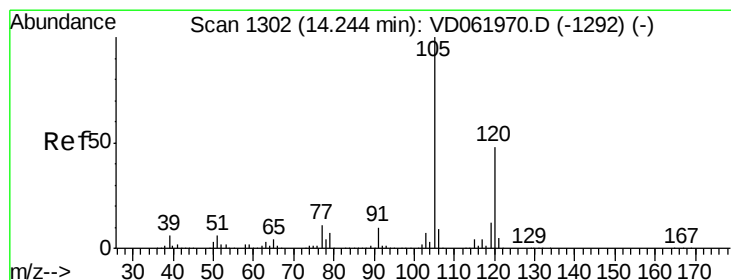
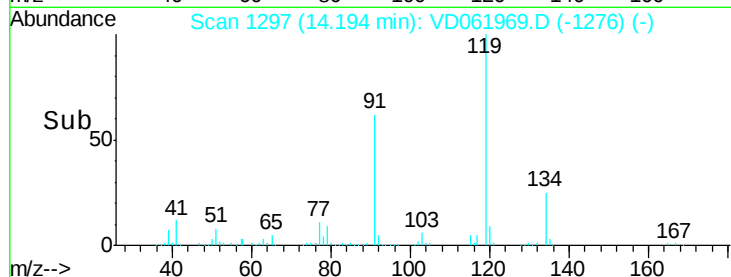
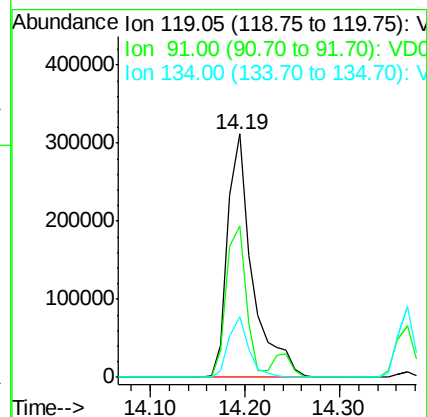
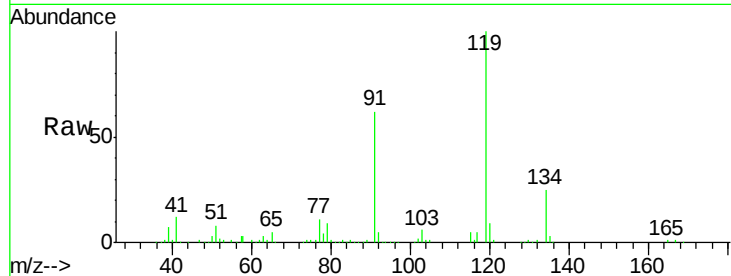




#83
 tert-Butylbenzene
 Concen: 21.918 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

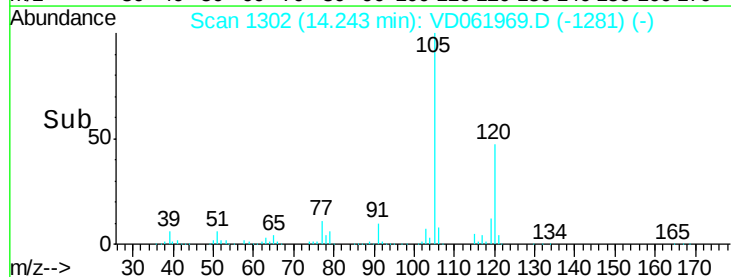
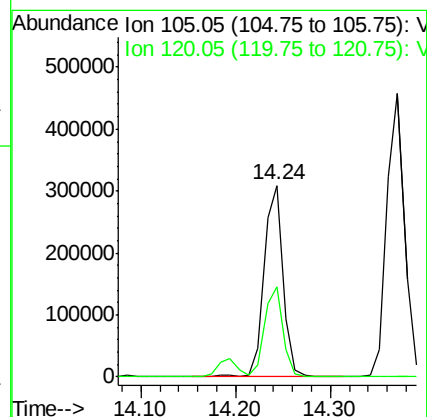
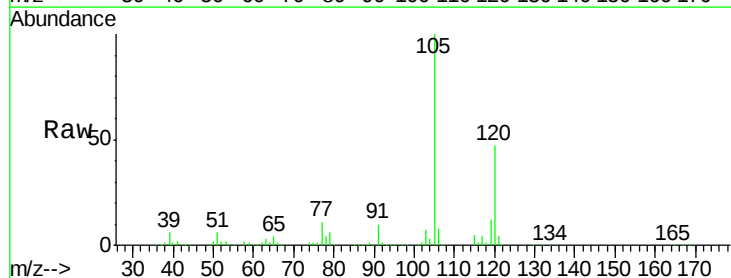
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

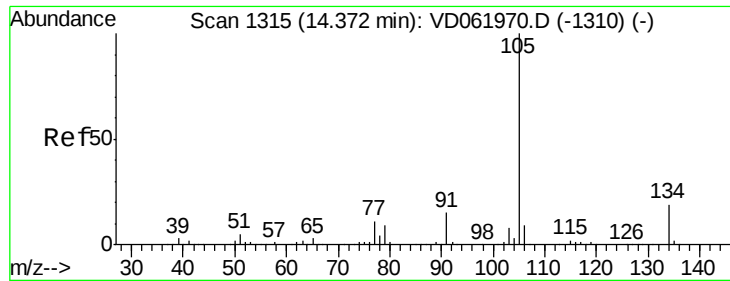
Tot Ion:119 Resp: 564994
 Ion Ratio Lower Upper
 119 100
 91 62.4 34.2 102.6
 134 24.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.367 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Tgt Ion:105 Resp: 431319
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.1 69.2

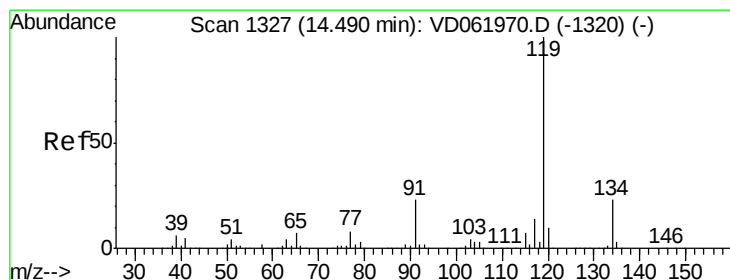
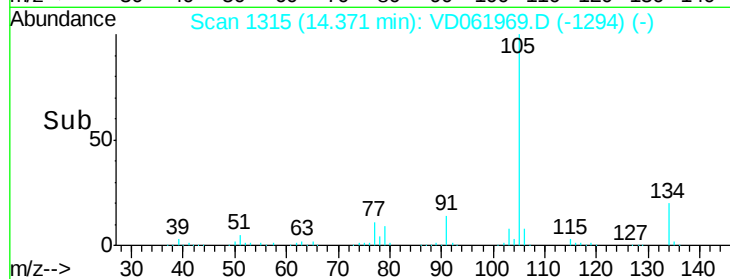
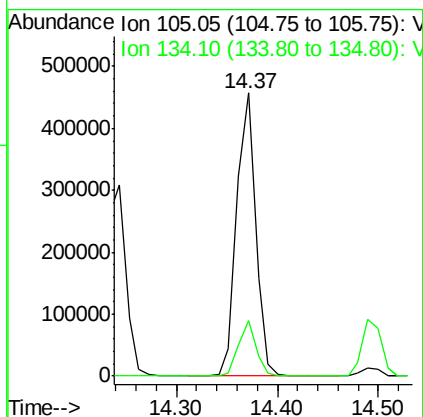
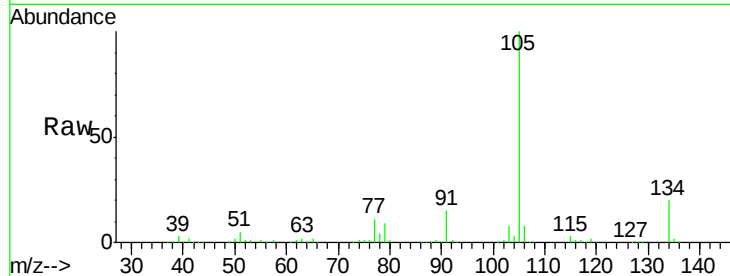




#85
 sec-Butylbenzene
 Concen: 21.422 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

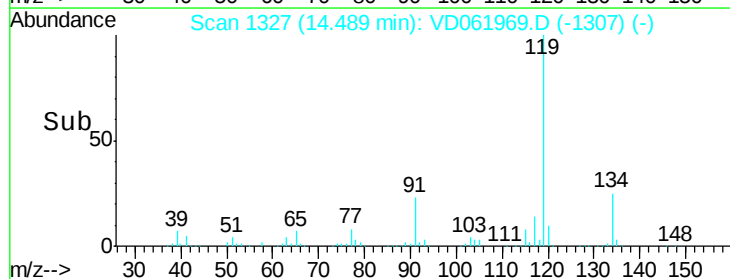
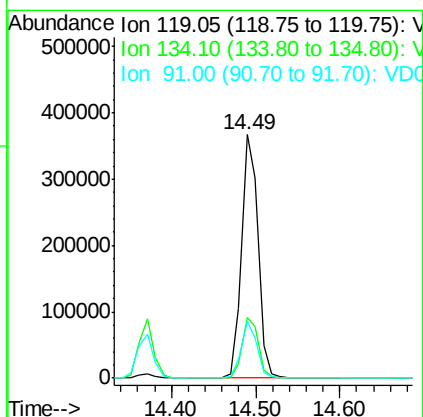
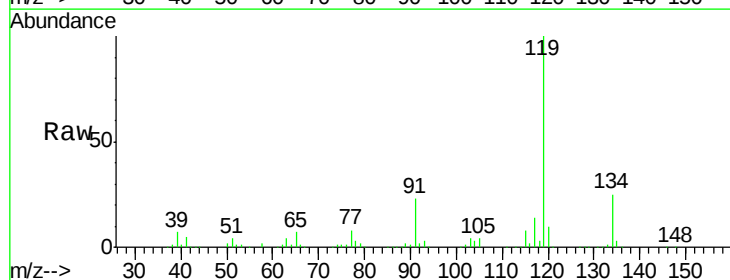
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion:105 Resp: 594361
 Ion Ratio Lower Upper
 105 100
 134 19.7 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 19.620 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Tgt Ion:119 Resp: 498400
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.8 38.3
 91 23.4 10.7 32.1

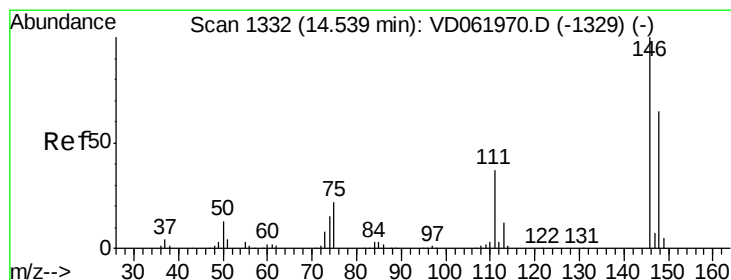
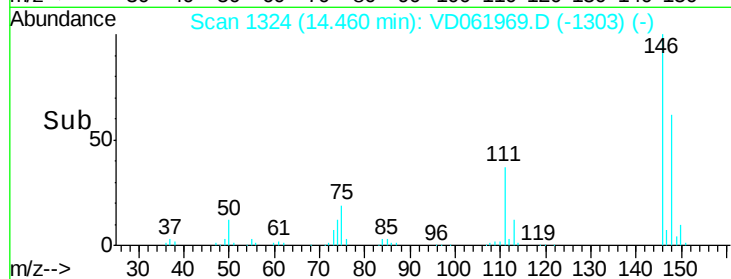
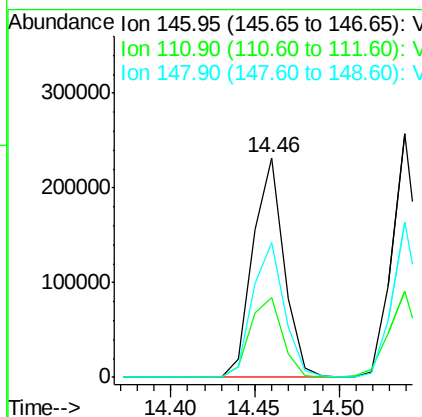
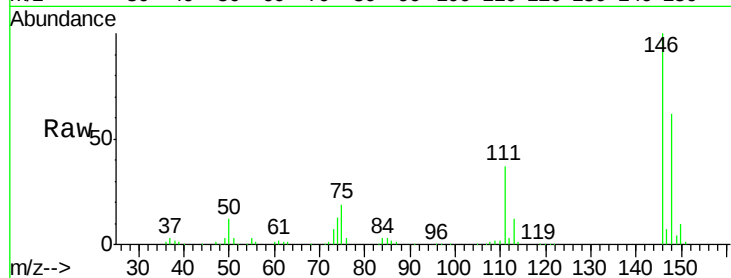




#87
 1,3-Dichlorobenzene
 Concen: 20.562 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

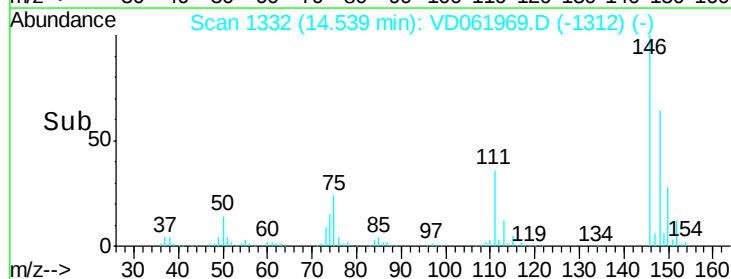
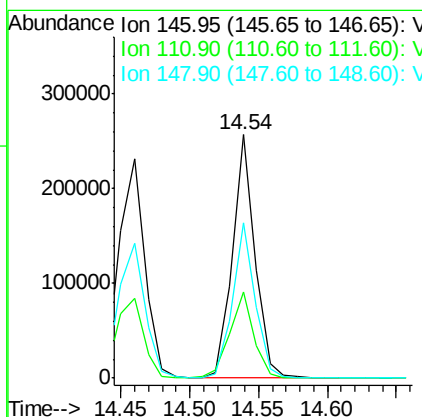
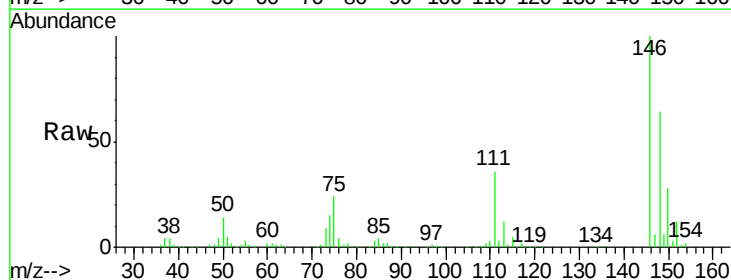
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

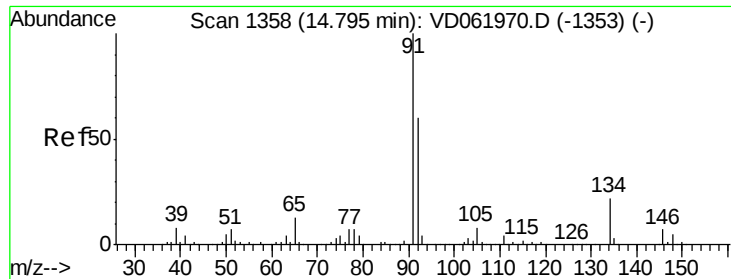
Tot Ion:146 Resp: 297006
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.0 60.0
 148 61.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.566 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Tgt Ion:146 Resp: 293703
 Ion Ratio Lower Upper
 146 100
 111 35.5 20.2 60.5
 148 63.8 32.0 96.2





#89

n-Butylbenzene

Concen: 20.200 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

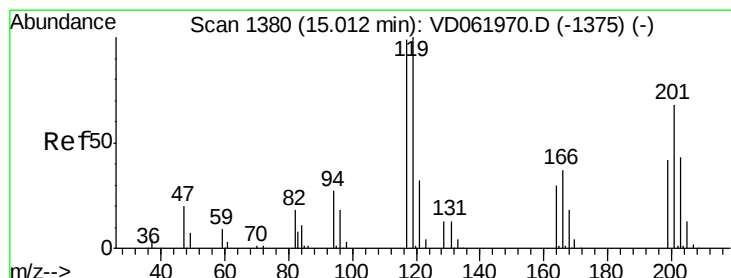
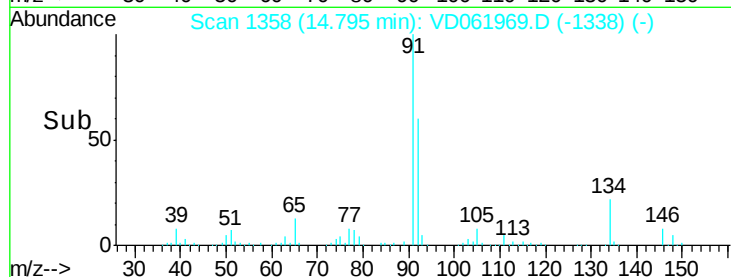
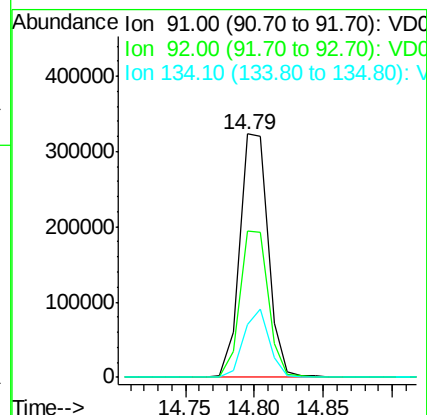
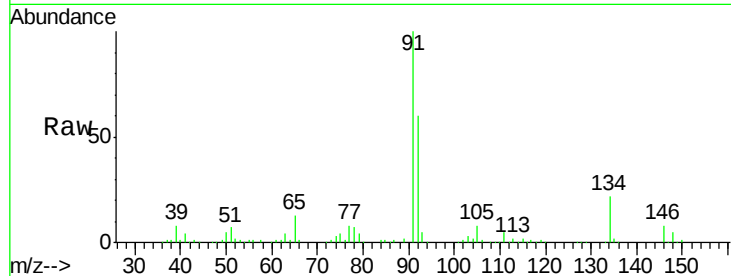
Tot Ion: 91 Resp: 466931

Ion Ratio Lower Upper

91 100

92 59.9 30.3 91.0

134 21.6 14.5 43.6



#90

Hexachloroethane

Concen: 19.382 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061969.D

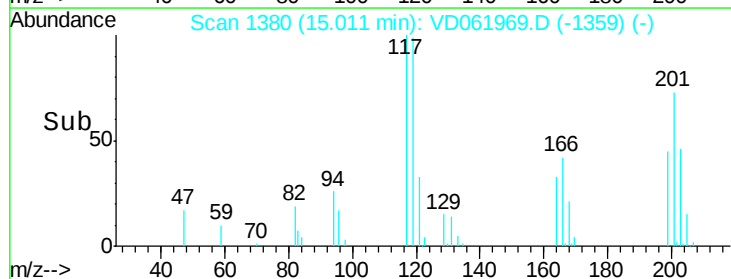
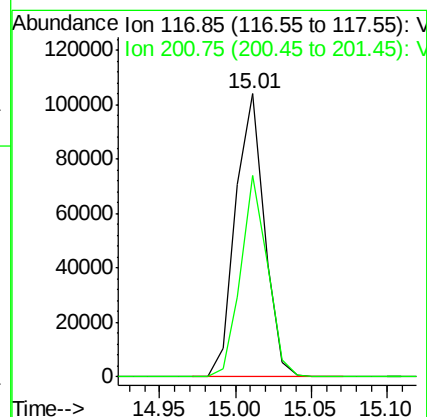
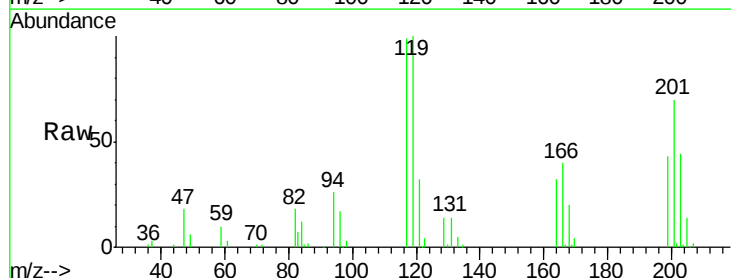
Acq: 23 Apr 2019 13:52

Tgt Ion: 117 Resp: 137502

Ion Ratio Lower Upper

117 100

201 71.2 30.2 90.6

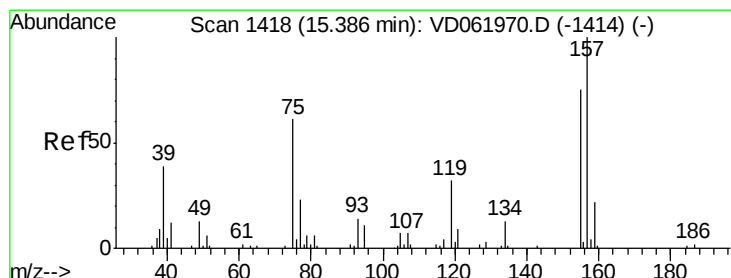
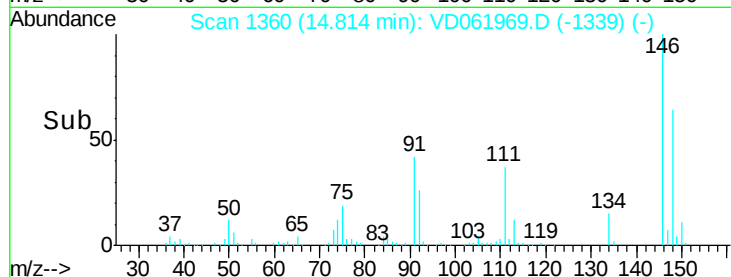
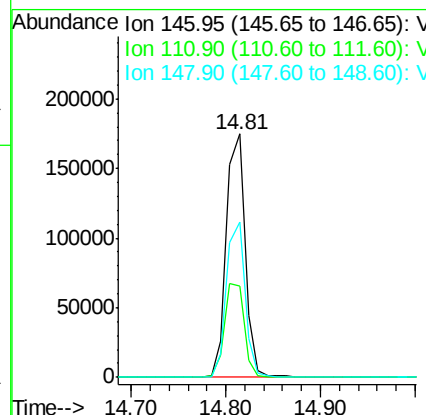
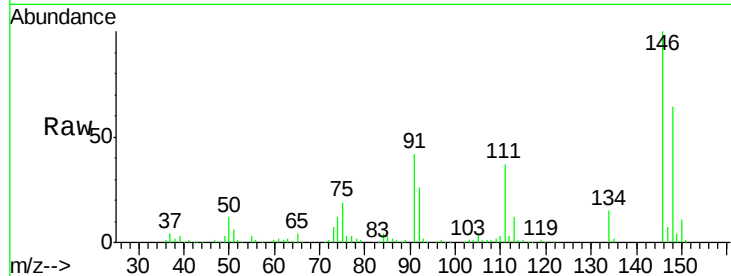




#91
 1,2-Dichlorobenzene
 Concen: 19.511 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

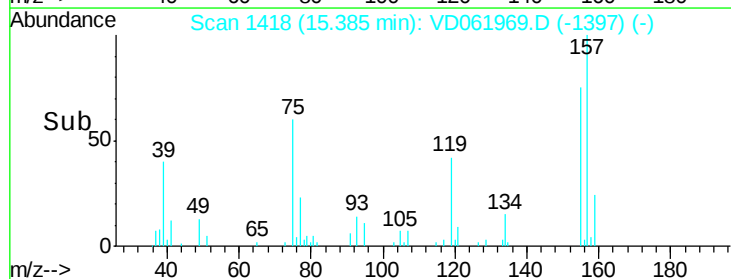
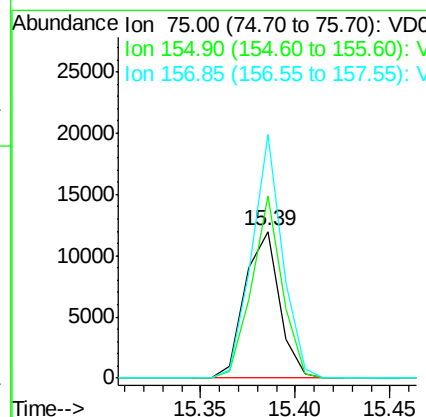
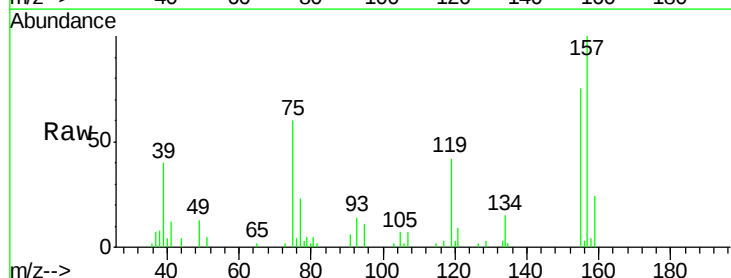
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

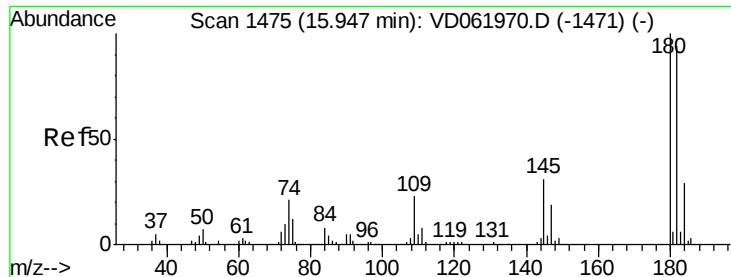
Tot Ion:146 Resp: 241645
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.0 59.9
 148 63.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.445 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Tgt Ion: 75 Resp: 15154
 Ion Ratio Lower Upper
 75 100
 155 124.1 55.3 165.8
 157 166.0 67.8 203.2

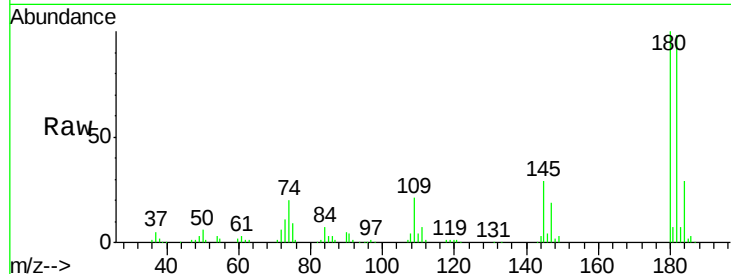




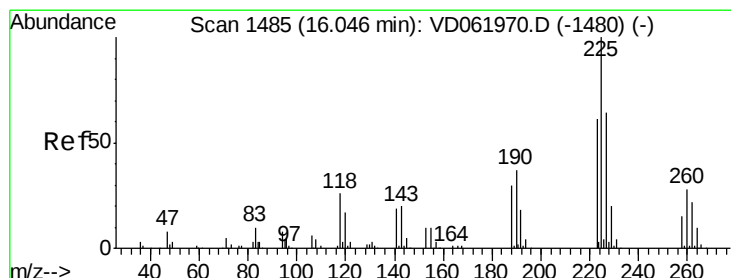
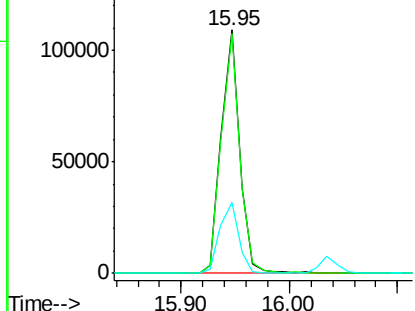
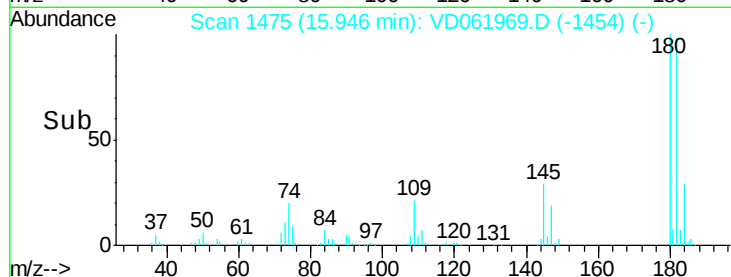
#93
 1,2,4-Trichlorobenzene
 Concen: 20.772 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 128994
 Ion Ratio Lower Upper
 180 100
 182 98.5 49.3 147.8
 145 29.2 16.2 48.6

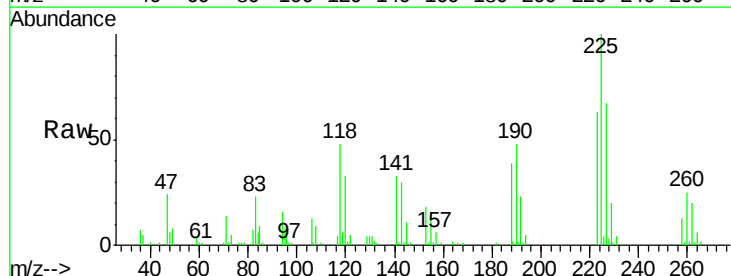


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

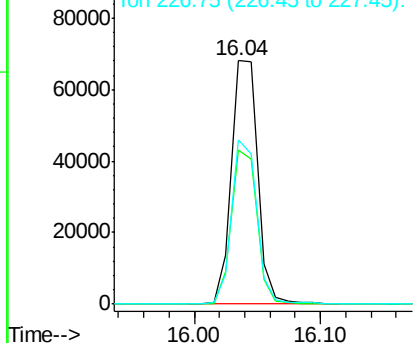
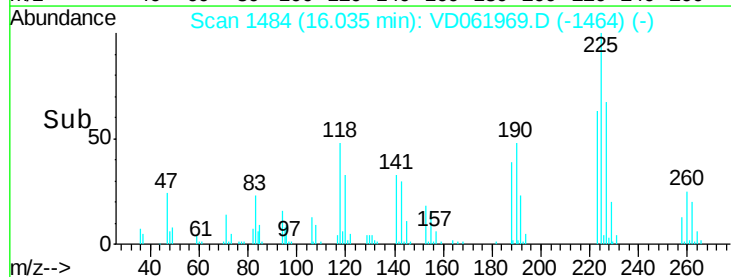


#94
 Hexachlorobutadiene
 Concen: 21.516 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD061969.D
 Acq: 23 Apr 2019 13:52

Tgt Ion:225 Resp: 97268
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.6 92.0
 227 67.2 32.0 96.2



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





#95

Naphthalene

Concen: 21.591 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

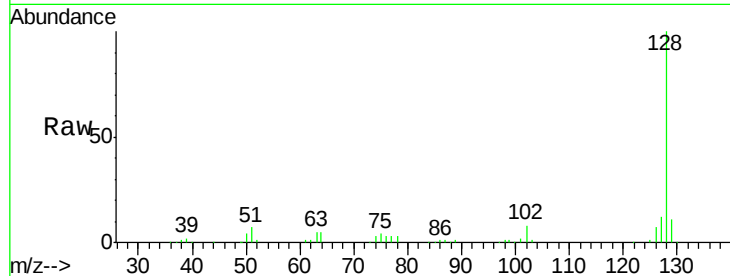
Tot Ion:128 Resp: 215292

Ion Ratio Lower Upper

128 100

127 12.4 9.8 14.8

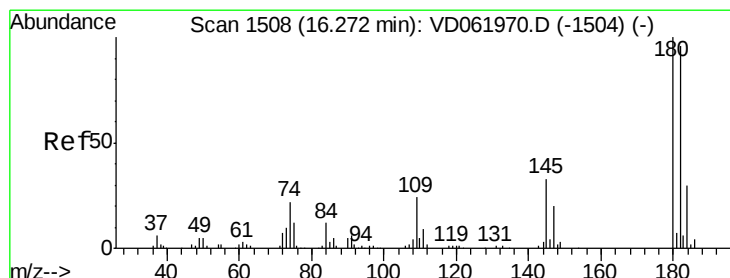
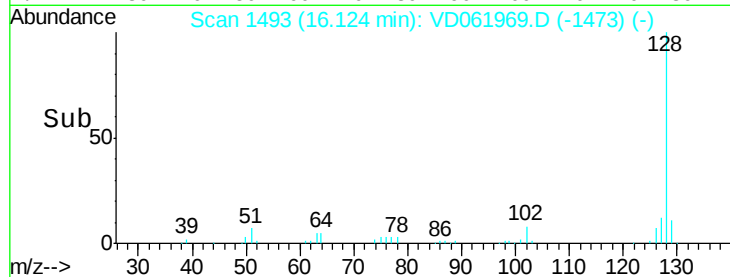
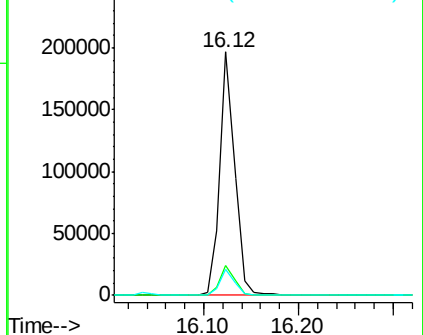
129 10.8 8.8 13.2



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: 20.180 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD061969.D

Acq: 23 Apr 2019 13:52

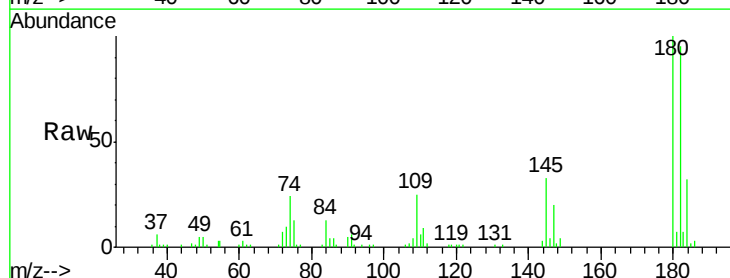
Tgt Ion:180 Resp: 69712

Ion Ratio Lower Upper

180 100

182 95.4 47.0 141.0

145 33.1 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

