

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD042419\
 Data File : VD061991.D
 Acq On : 24 Apr 2019 12:04
 Operator : VA/AP
 Sample : VD0424SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Quant Time: Apr 24 12:29:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	598963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	905835	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	762575	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	343305	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	255054	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
35) Dibromofluoromethane	6.93	113	371914	59.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.74%	
50) Toluene-d8	10.42	98	890933	59.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.54%	
62) 4-Bromofluorobenzene	13.56	95	331651	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	92713	17.335	ug/l	99
3) Chloromethane	1.75	50	83659	18.404	ug/l #	88
4) Vinyl Chloride	1.84	62	77929	18.915	ug/l	99
5) Bromomethane	2.15	94	19190	15.206	ug/l	87
6) Chloroethane	2.26	64	27215	18.274	ug/l	89
7) Trichlorofluoromethane	2.52	101	118452	19.015	ug/l	95
8) Diethyl Ether	2.88	74	31806	19.050	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	121978	21.256	ug/l	95
10) Methyl Iodide	3.31	142	119541	17.617	ug/l	98
11) Tert butyl alcohol	4.06	59	25107	94.792	ug/l	95
12) 1,1-Dichloroethene	3.12	96	99749	20.431	ug/l	97
13) Acrolein	3.04	56	28964	105.395	ug/l	99
14) Allyl chloride	3.62	41	128844	19.327	ug/l	96
15) Acrylonitrile	4.20	53	74613	90.973	ug/l	93
16) Acetone	3.22	43	103839	92.770	ug/l	98
17) Carbon Disulfide	3.38	76	264847	18.773	ug/l	100
18) Methyl Acetate	3.64	43	42028	19.380	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	174964	18.062	ug/l	96
20) Methylene Chloride	3.81	84	132026	22.473	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	100775	17.993	ug/l	98
22) Diisopropyl ether	5.12	45	293408	18.851	ug/l	99
23) Vinyl Acetate	5.06	43	778215	96.010	ug/l	99
24) 1,1-Dichloroethane	4.99	63	187801	19.963	ug/l	97
25) 2-Butanone	6.08	43	134107	98.820	ug/l	94
26) 2,2-Dichloropropane	6.03	77	170388	20.761	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	129996	20.403	ug/l	94
28) Bromochloromethane	6.44	49	75188	20.888	ug/l	98
29) Tetrahydrofuran	6.46	42	64232	96.059	ug/l	100
30) Chloroform	6.68	83	217612	20.366	ug/l	98
31) Cyclohexane	6.96	56	138824	19.881	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	192846	20.743	ug/l	96
36) 1,1-Dichloropropene	7.16	75	152074	21.548	ug/l	98
37) Ethyl Acetate	6.19	43	64815	21.552	ug/l #	92
38) Carbon Tetrachloride	7.12	117	192156	21.487	ug/l	98

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 Data File : VD061991.D
 Acq On : 24 Apr 2019 12:04
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 Sample : VD0424SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Quant Time: Apr 24 12:29:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	154877	22.243	ug/l	97
40) Benzene	7.47	78	384061	21.982	ug/l	98
41) Methacrylonitrile	6.45	41	74779	21.311	ug/l	97
42) 1,2-Dichloroethane	7.58	62	125266	21.116	ug/l	98
43) Isopropyl Acetate	9.25	43	87663	19.949	ug/l	95
44) Trichloroethene	8.55	130	148786	21.966	ug/l	96
45) 1,2-Dichloropropane	8.95	63	86715	19.564	ug/l	99
46) Dibromomethane	9.07	93	72675	22.787	ug/l	97
47) Bromodichloromethane	9.39	83	160320	21.274	ug/l	99
48) Methyl methacrylate	9.13	41	55036	21.952	ug/l	97
49) 1,4-Dioxane	9.09	88	12052	445.870	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	288720	107.437	ug/l	99
52) Toluene	10.52	92	252227	22.641	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	140103	22.149	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	169851	22.077	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	81173	21.704	ug/l	96
56) Ethyl methacrylate	11.05	69	87195	21.050	ug/l	96
57) 1,3-Dichloropropane	11.41	76	114864	19.885	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	238470	123.826	ug/l	98
59) 2-Hexanone	11.54	43	204506	101.447	ug/l	100
60) Dibromochloromethane	11.70	129	131828	21.303	ug/l	98
61) 1,2-Dibromoethane	11.82	107	93543	21.084	ug/l	94
64) Tetrachloroethene	11.27	164	107723	19.802	ug/l	95
65) Chlorobenzene	12.41	112	266581	18.500	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.53	131	124731	20.406	ug/l	96
67) Ethyl Benzene	12.54	91	475327	20.210	ug/l	99
68) m/p-Xylenes	12.67	106	358919	42.223	ug/l	97
69) o-Xylene	13.06	106	166358	21.389	ug/l	96
70) Styrene	13.08	104	282226	21.015	ug/l	99
71) Bromoform	13.24	173	67926	19.492	ug/l #	99
73) Isopropylbenzene	13.41	105	481648	21.032	ug/l	100
74) N-amyl acetate	13.27	43	113757	19.288	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	93342	20.799	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	85524	19.618	ug/l	98
77) Bromobenzene	13.68	156	142028	21.619	ug/l	96
78) n-propylbenzene	13.78	91	576556	21.993	ug/l	96
79) 2-Chlorotoluene	13.85	91	291980	18.387	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	371579	20.349	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	25907	19.610	ug/l	92
82) 4-Chlorotoluene	13.95	91	342609	19.591	ug/l	94
83) tert-Butylbenzene	14.20	119	447095	21.136	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	390980	22.424	ug/l	100
85) sec-Butylbenzene	14.38	105	431058	18.859	ug/l	99
86) p-Isopropyltoluene	14.49	119	420129	20.538	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	238164	20.702	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	230856	21.457	ug/l	97
89) n-Butylbenzene	14.81	91	423554	23.063	ug/l	97
90) Hexachloroethane	15.02	117	121847	22.028	ug/l	89
91) 1,2-Dichlorobenzene	14.82	146	217096	22.877	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	11956	19.718	ug/l	75

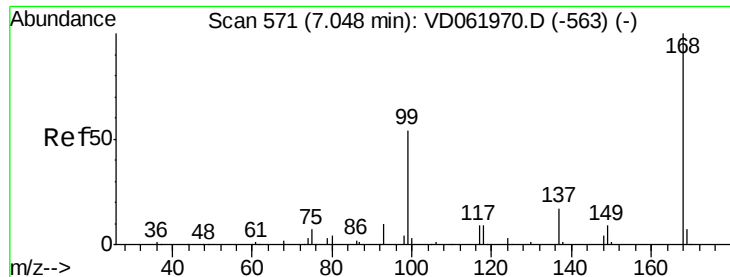
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD042419\
Data File : VD061991.D
Acq On : 24 Apr 2019 12:04
Operator : VA/AP
Sample : VD0424SBS01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Quant Time: Apr 24 12:29:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	119669	23.371	ug/l	99
94) Hexachlorobutadiene	16.04	225	91279	24.089	ug/l	98
95) Naphthalene	16.13	128	192071	23.232	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	76341	26.277	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

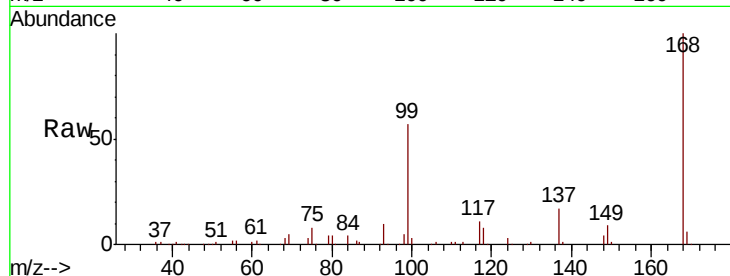
VD0424SBS01

Tgt Ion:168 Resp: 598963

Ion Ratio Lower Upper

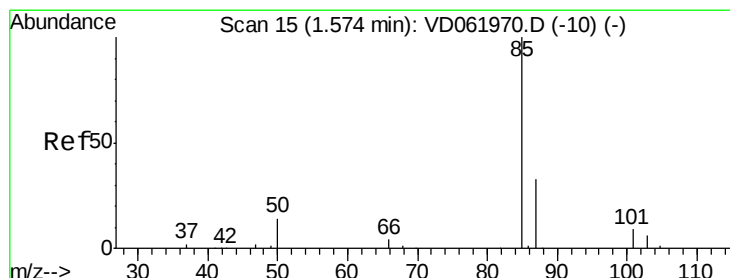
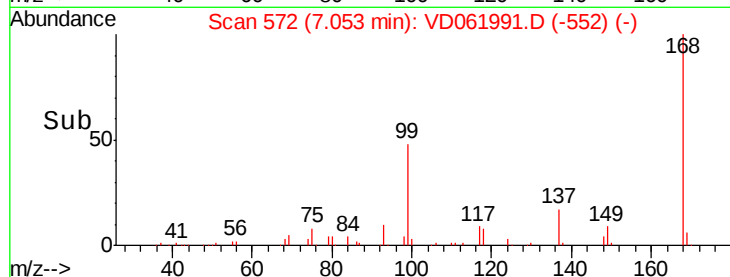
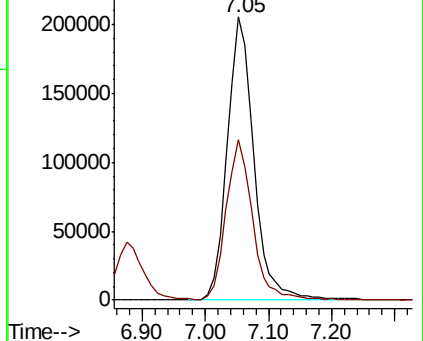
168 100

99 56.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.335 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD061991.D

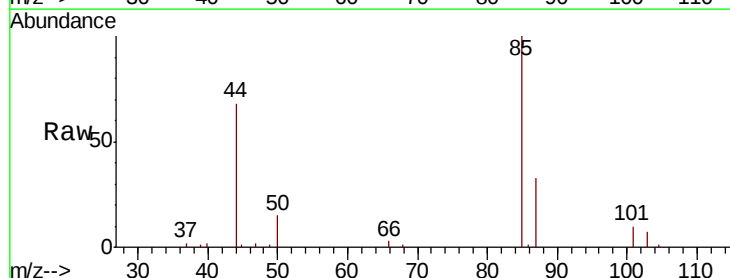
Acq: 24 Apr 2019 12:04

Tgt Ion: 85 Resp: 92713

Ion Ratio Lower Upper

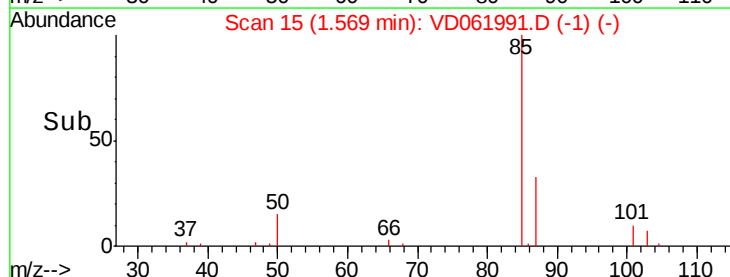
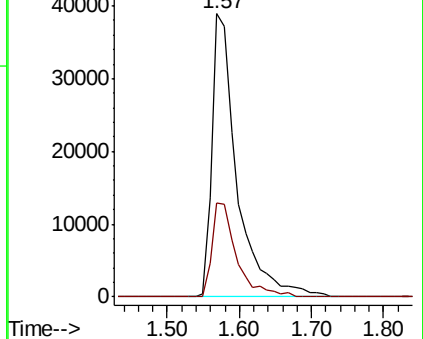
85 100

87 33.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

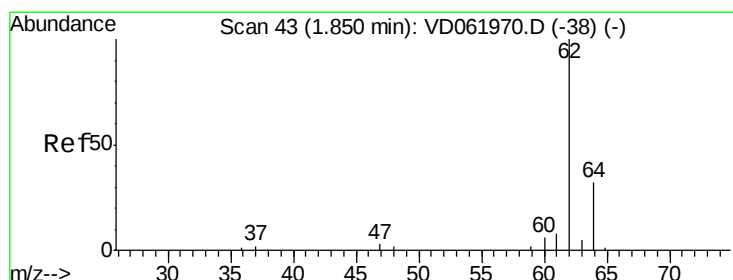
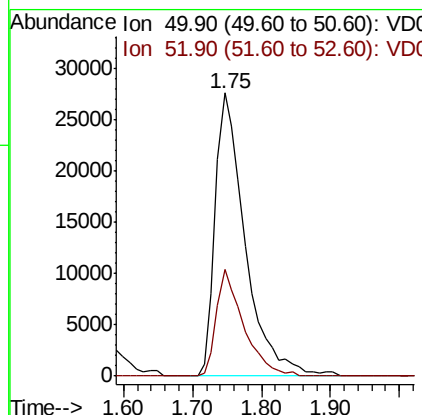
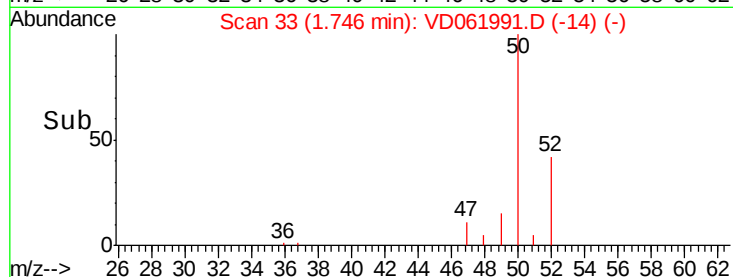
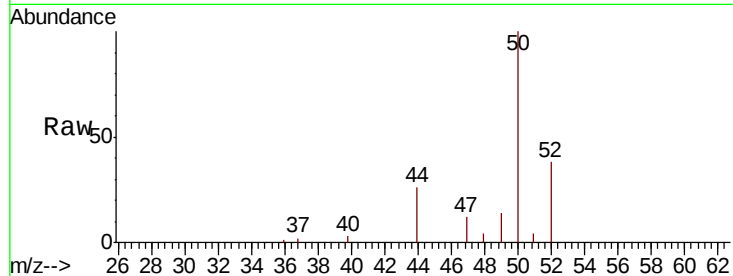




#3
Chloromethane
Concen: 18.404 ug/l
RT: 1.75 min Scan# 33
Delta R.T. -0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

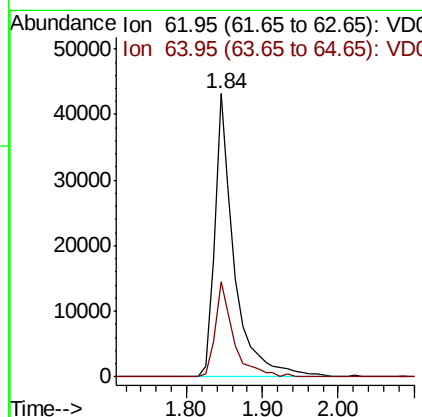
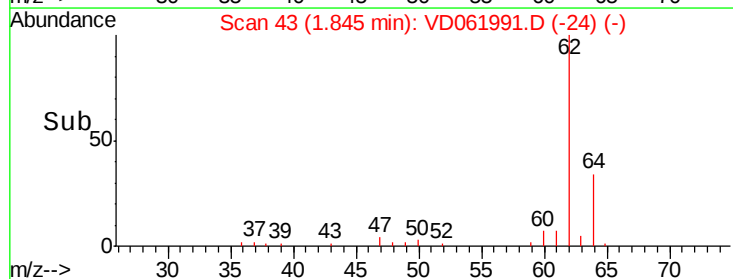
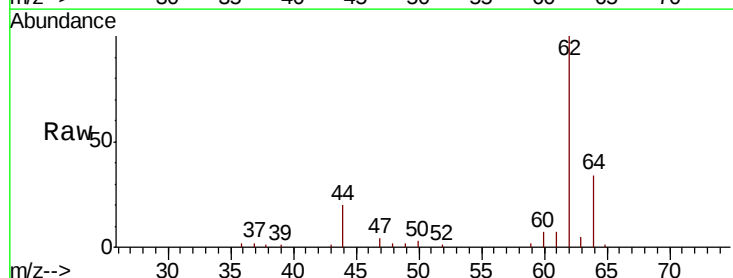
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

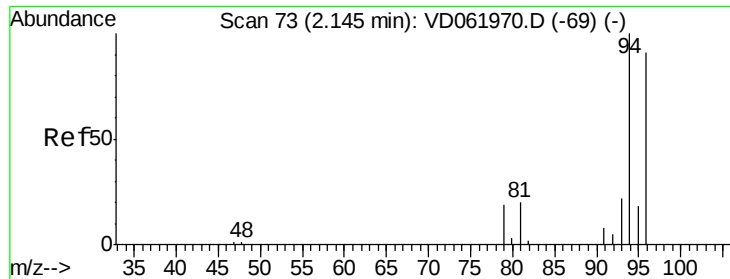
Tgt Ion: 50 Resp: 83659
Ion Ratio Lower Upper
50 100
52 37.9 25.2 37.8#



#4
Vinyl Chloride
Concen: 18.915 ug/l
RT: 1.84 min Scan# 43
Delta R.T. -0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 62 Resp: 77929
Ion Ratio Lower Upper
62 100
64 33.5 26.5 39.7





#5

Bromomethane

Concen: 15.206 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

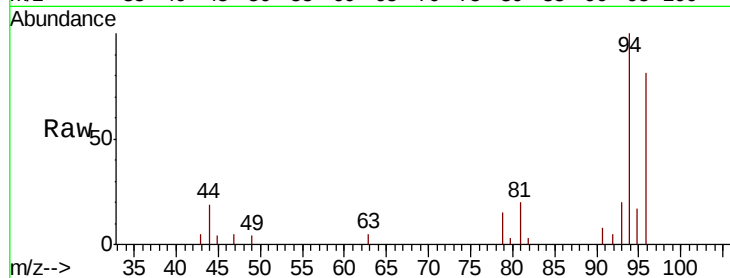
Tgt Ion: 94 Resp: 19190

Ion Ratio Lower Upper

94 100

96 81.3 76.6 115.0

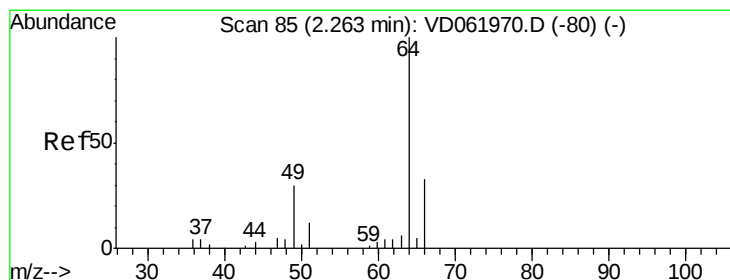
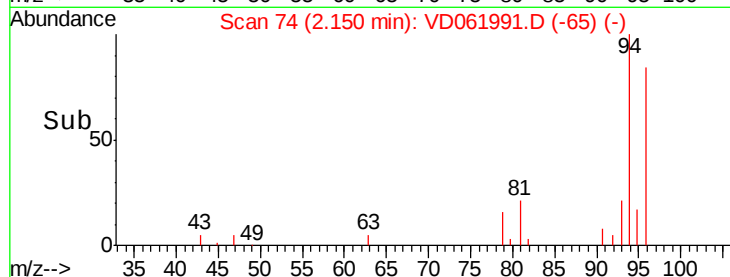
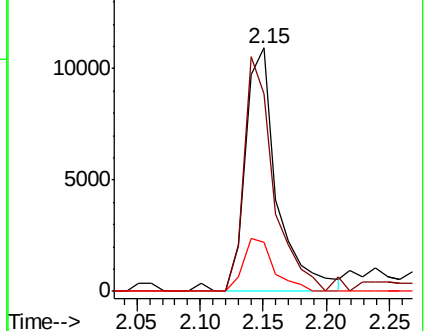
93 20.1 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.274 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061991.D

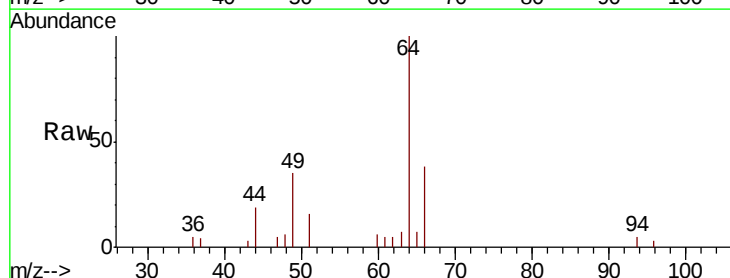
Acq: 24 Apr 2019 12:04

Tgt Ion: 64 Resp: 27215

Ion Ratio Lower Upper

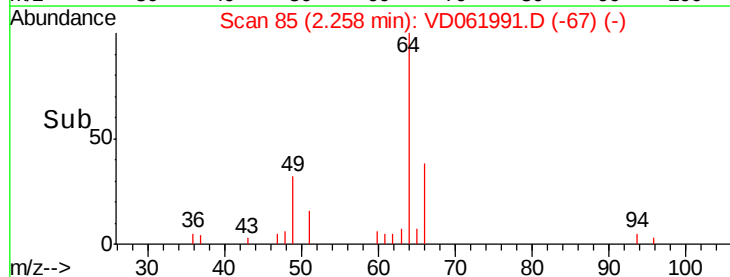
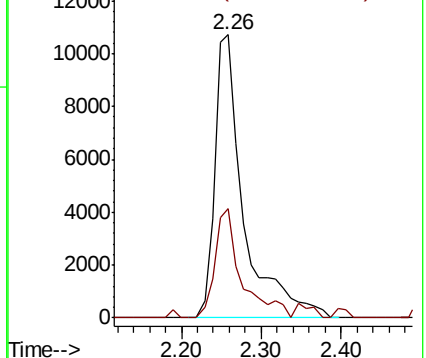
64 100

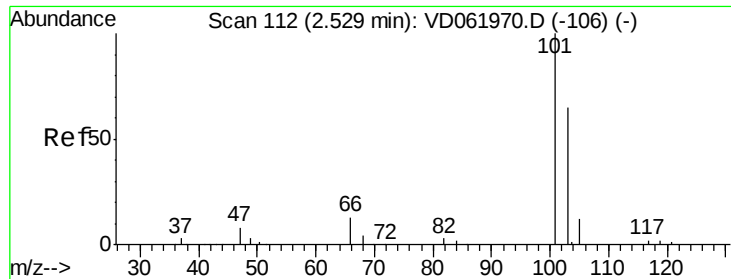
66 38.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



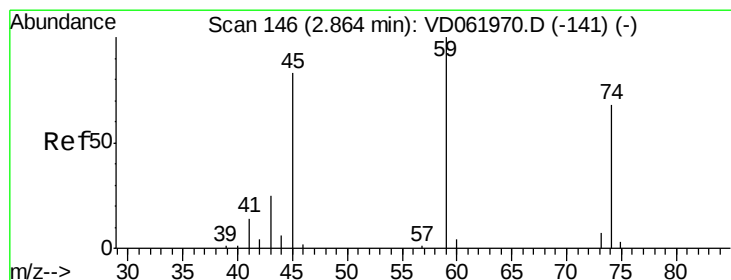
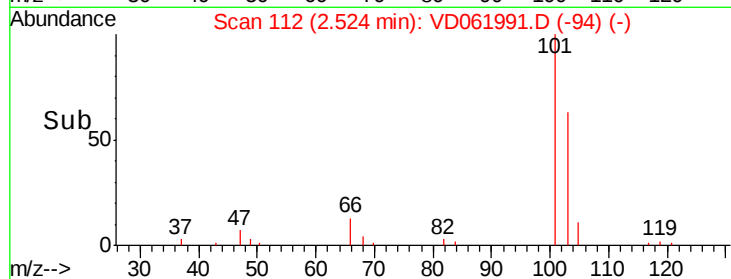
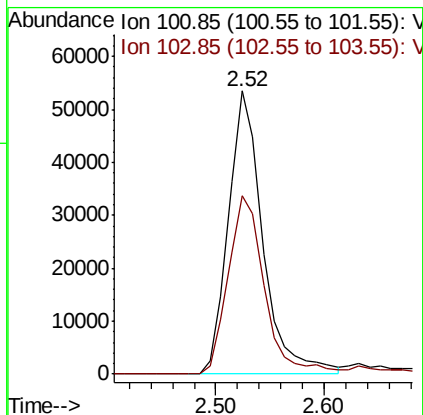
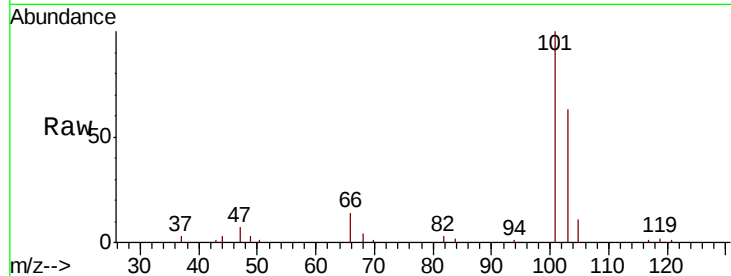


#7

Trichlorofluoromethane
Concen: 19.015 ug/l
RT: 2.52 min Scan# 112
Delta R.T. -0.02 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

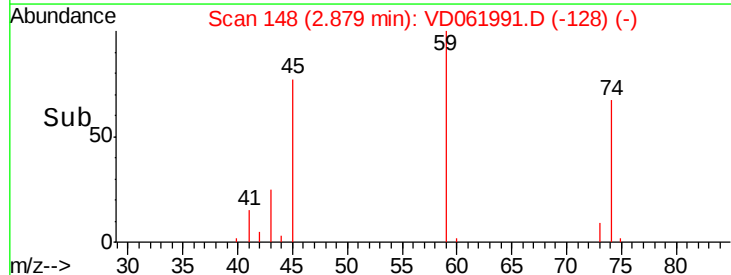
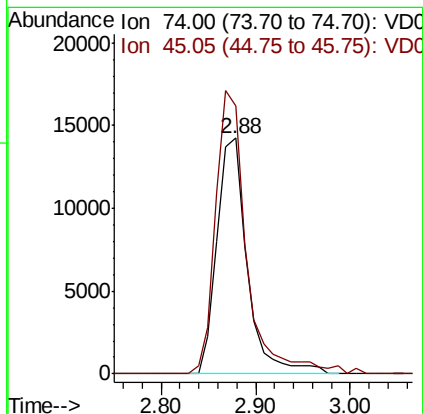
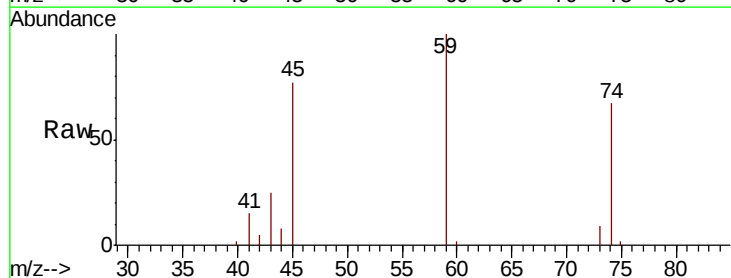
Tgt Ion: 101 Resp: 118452
Ion Ratio Lower Upper
101 100
103 63.0 53.6 80.4

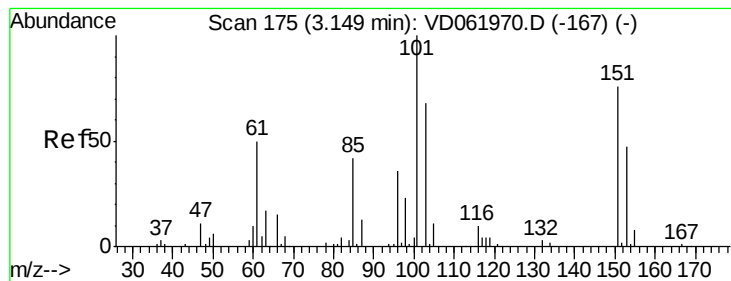


#8

Diethyl Ether
Concen: 19.050 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 74 Resp: 31806
Ion Ratio Lower Upper
74 100
45 113.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.256 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

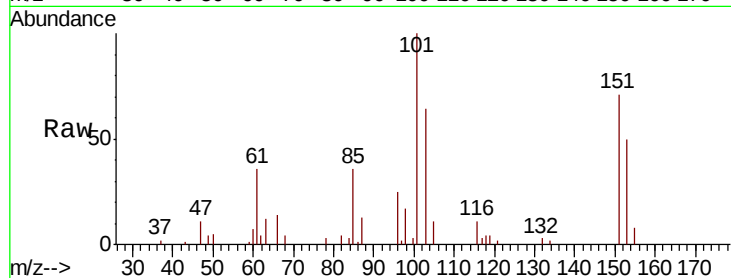
Tgt Ion:101 Resp: 121978

Ion Ratio Lower Upper

101 100

85 36.1 32.4 48.6

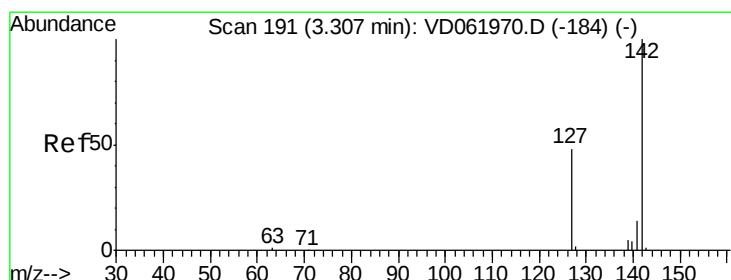
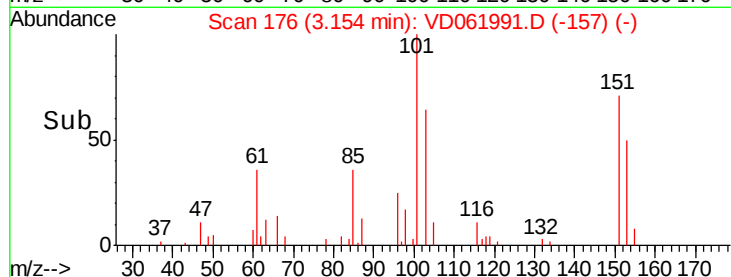
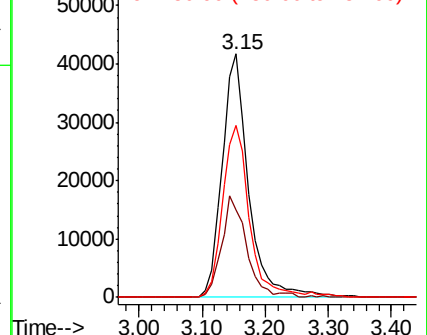
151 70.8 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.617 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

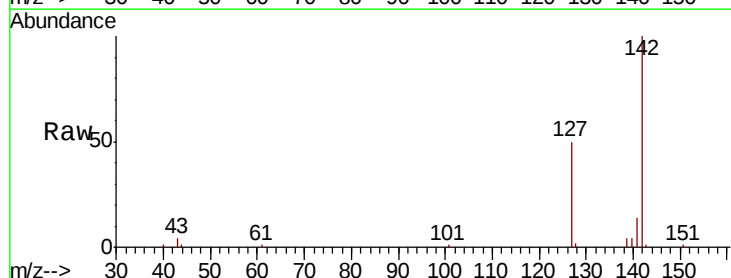
Tgt Ion:142 Resp: 119541

Ion Ratio Lower Upper

142 100

127 49.9 38.8 58.2

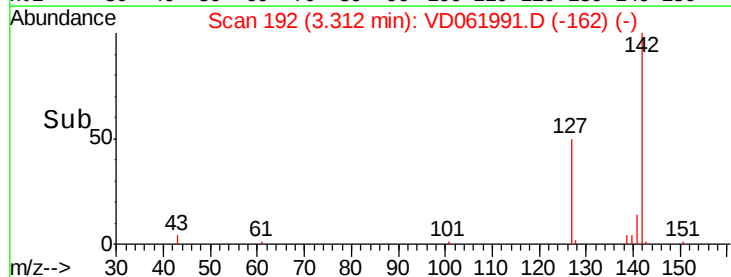
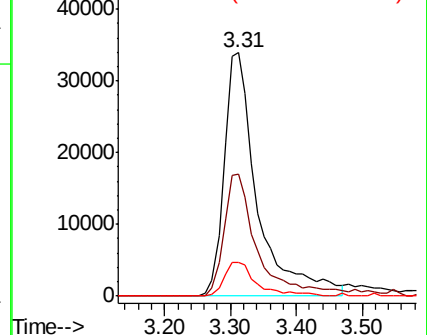
141 13.7 11.4 17.0

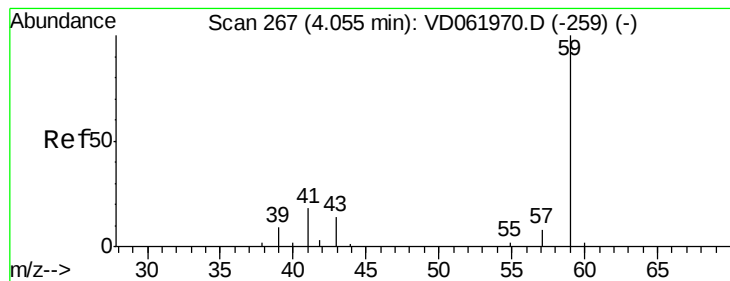


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 94.792 ug/l

RT: 4.06 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

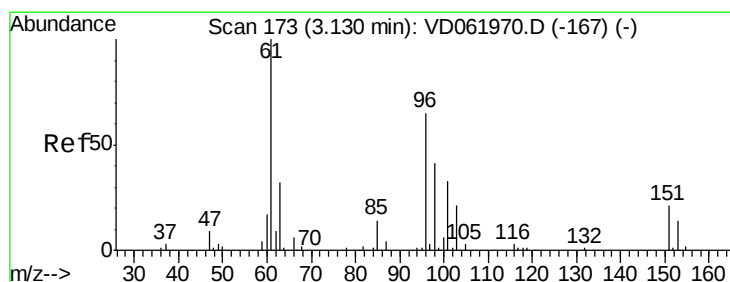
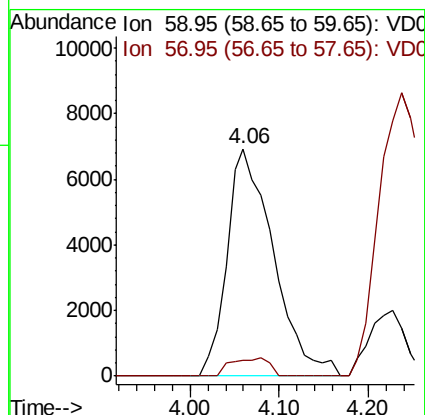
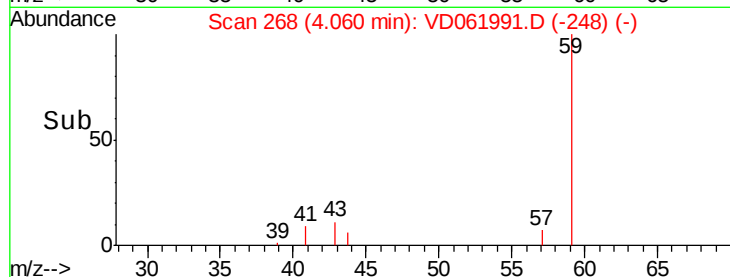
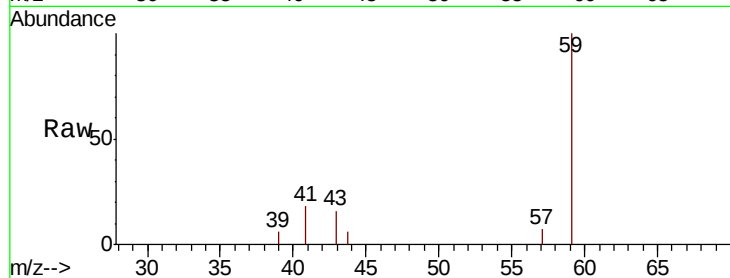
VD0424SBS01

Tgt Ion: 59 Resp: 25107

Ion Ratio Lower Upper

59 100

57 6.9 6.9 10.3



#12

1,1-Dichloroethene

Concen: 20.431 ug/l

RT: 3.12 min Scan# 173

Delta R.T. -0.02 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

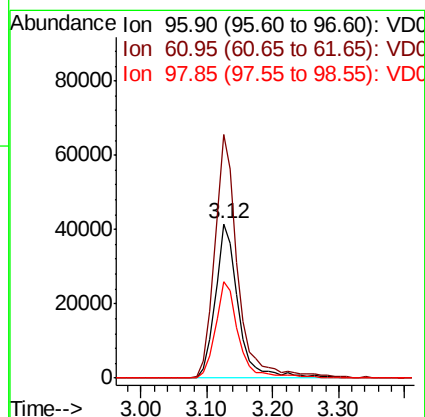
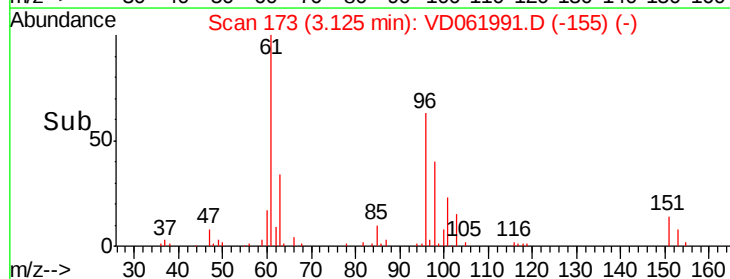
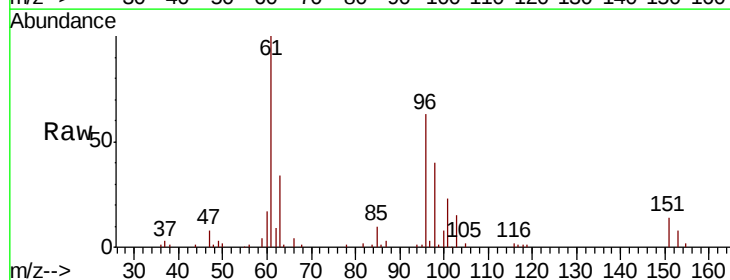
Tgt Ion: 96 Resp: 99749

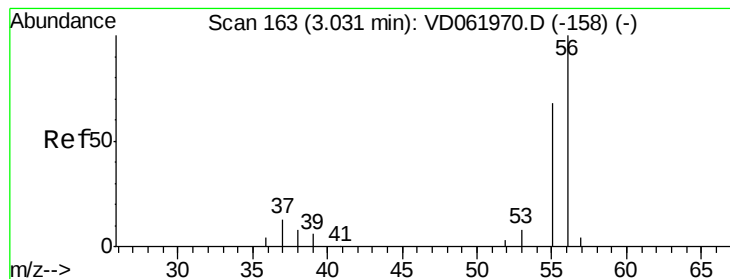
Ion Ratio Lower Upper

96 100

61 158.1 129.8 194.8

98 62.5 51.2 76.8





#13

Acrolein

Concen: 105.395 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

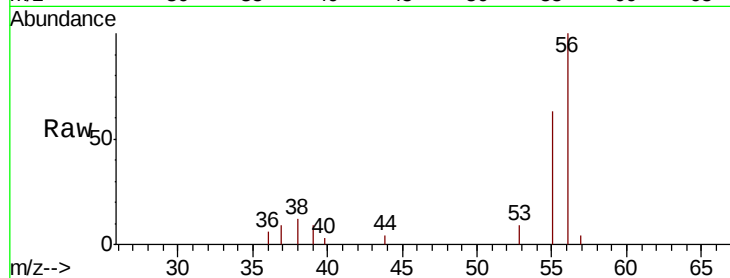
VD0424SBS01

Tgt Ion: 56 Resp: 28964

Ion Ratio Lower Upper

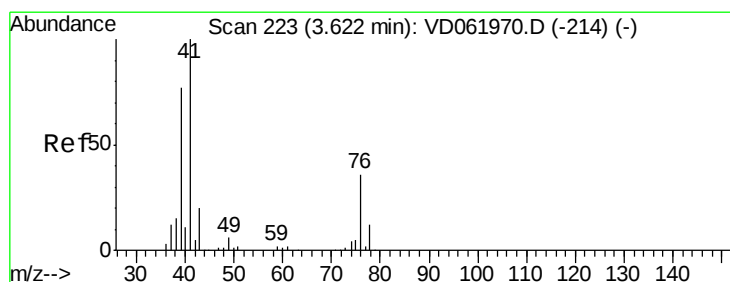
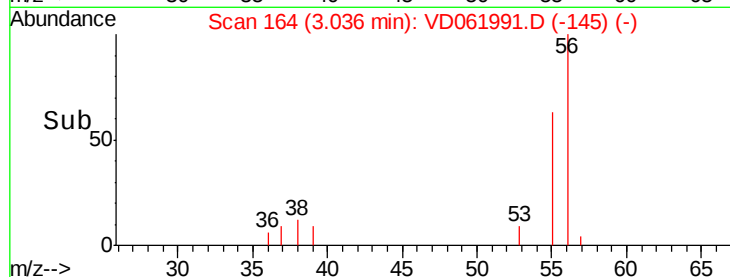
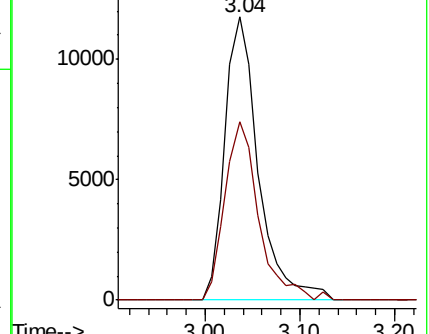
56 100

55 63.2 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: 19.327 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

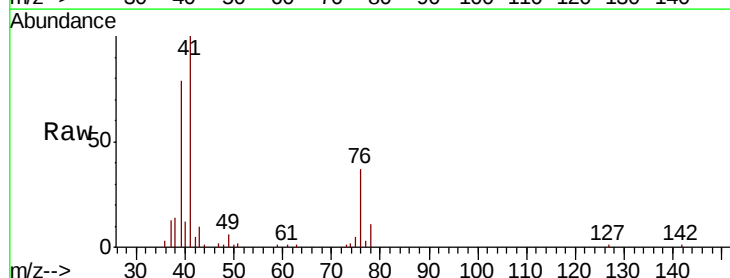
Tgt Ion: 41 Resp: 128844

Ion Ratio Lower Upper

41 100

39 78.7 60.5 90.7

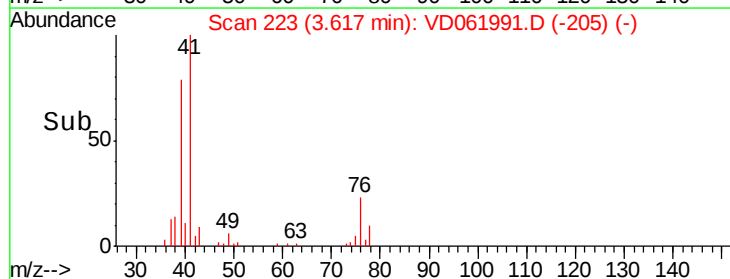
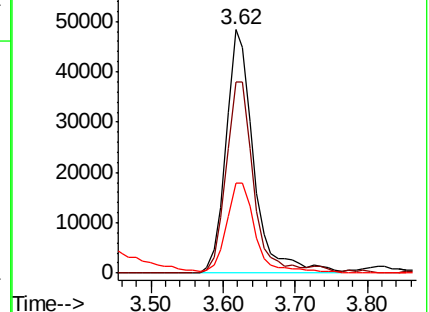
76 37.1 31.8 47.8

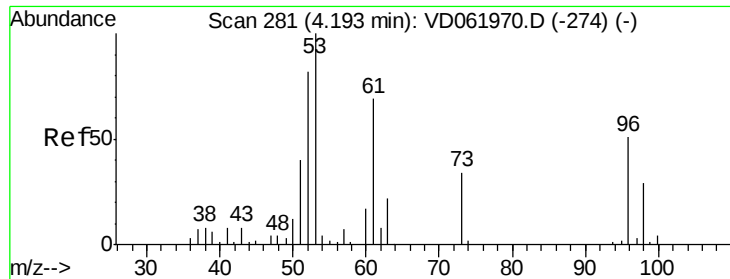


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

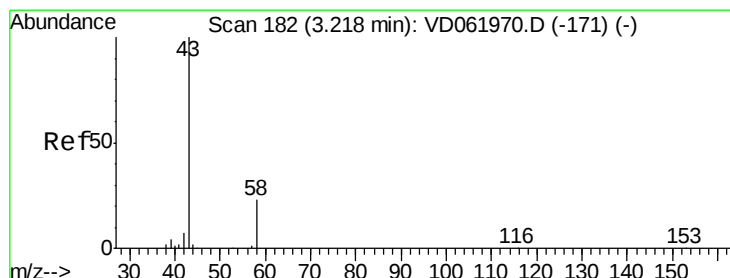
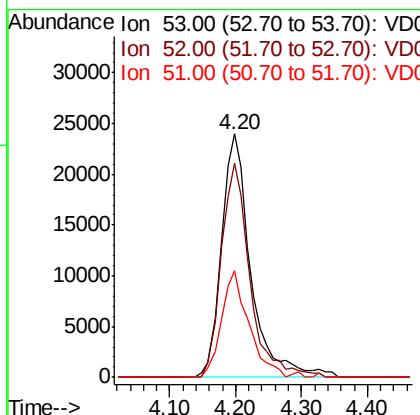
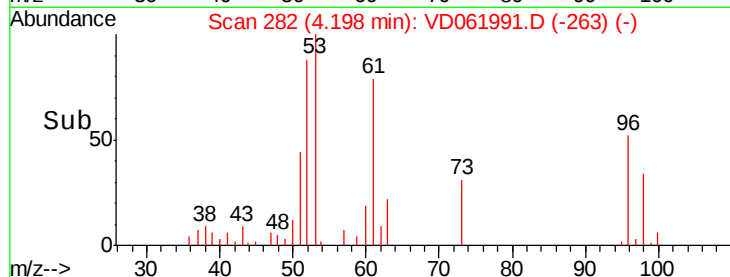
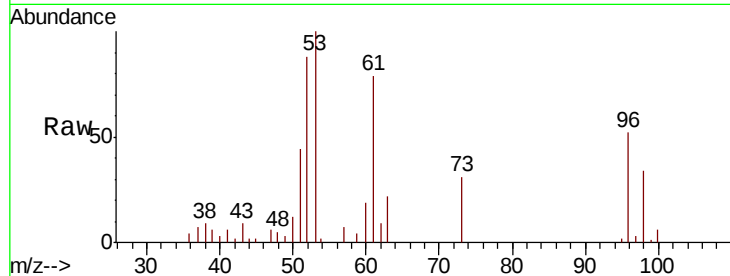




#15
Acrylonitrile
Concen: 90.973 ug/l
RT: 4.20 min Scan# 282
Delta R.T. -0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

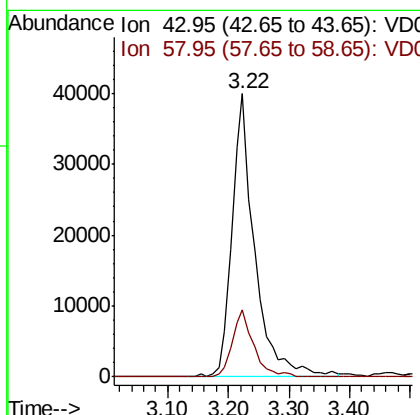
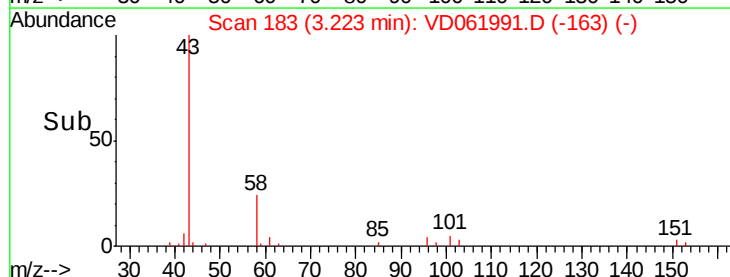
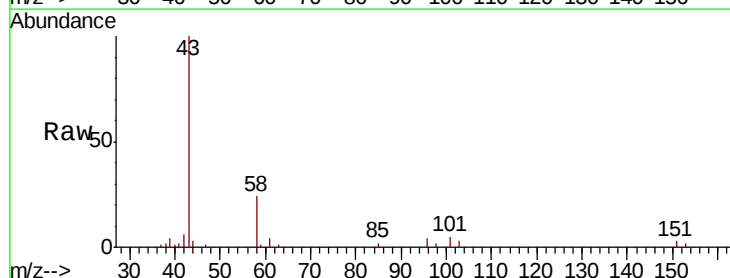
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

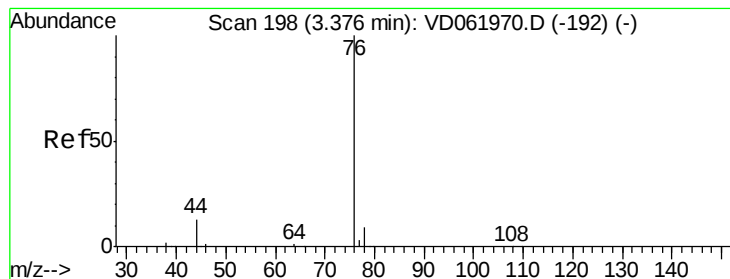
Tgt Ion: 53 Resp: 74613
Ion Ratio Lower Upper
53 100
52 88.0 65.0 97.4
51 43.7 32.6 48.8



#16
Acetone
Concen: 92.770 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 43 Resp: 103839
Ion Ratio Lower Upper
43 100
58 23.8 19.9 29.9





#17

Carbon Disulfide

Concen: 18.773 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

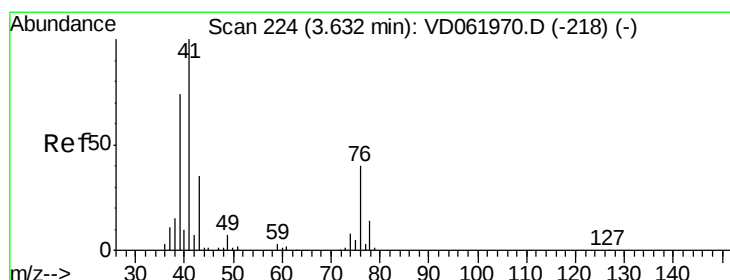
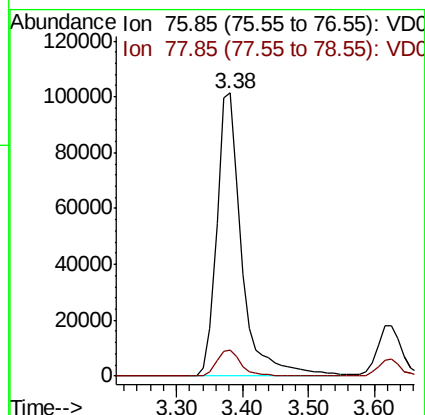
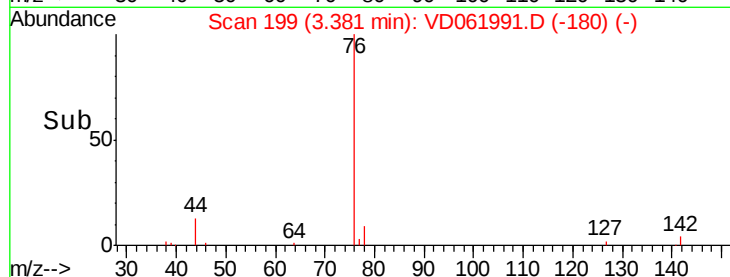
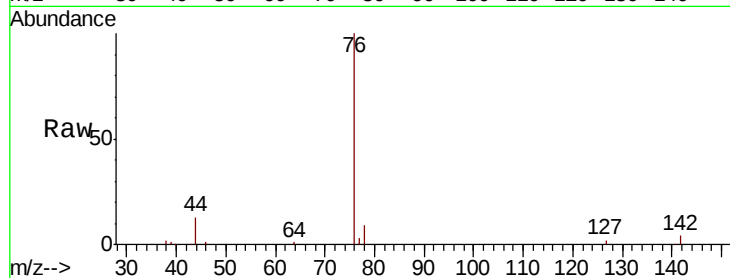
VD0424SBS01

Tgt Ion: 76 Resp: 264847

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



#18

Methyl Acetate

Concen: 19.380 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD061991.D

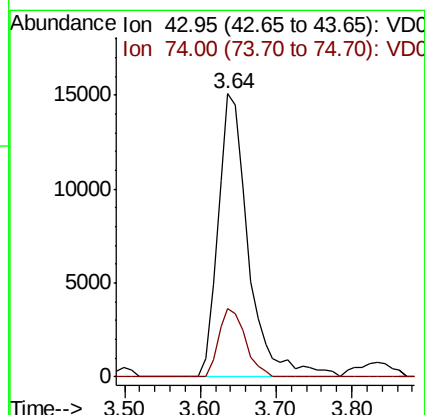
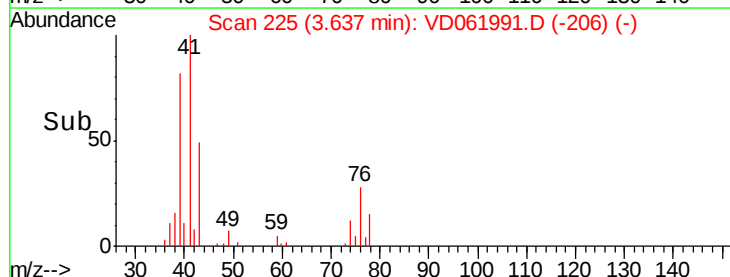
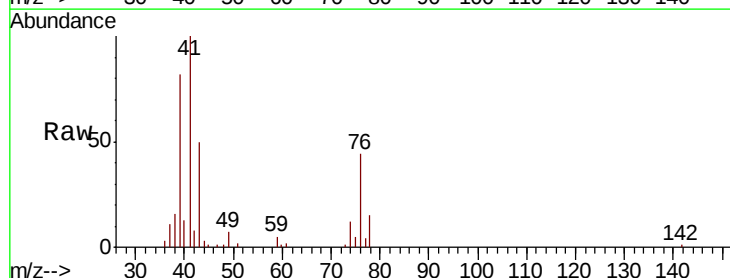
Acq: 24 Apr 2019 12:04

Tgt Ion: 43 Resp: 42028

Ion Ratio Lower Upper

43 100

74 24.1 18.0 27.0



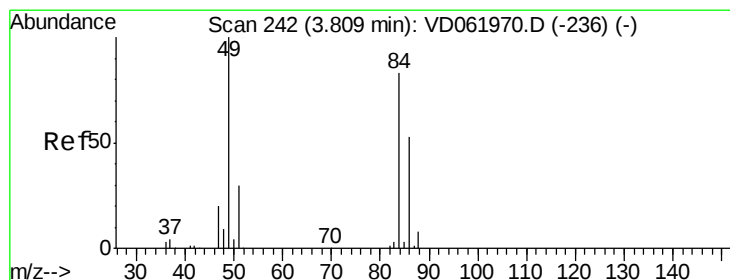
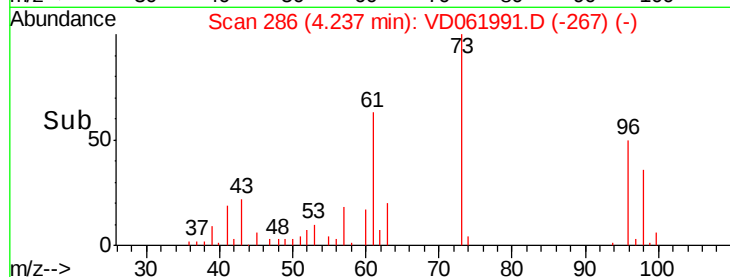
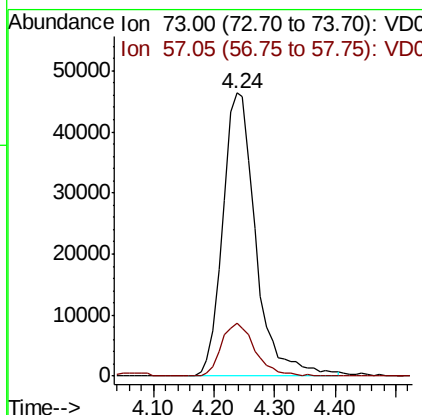
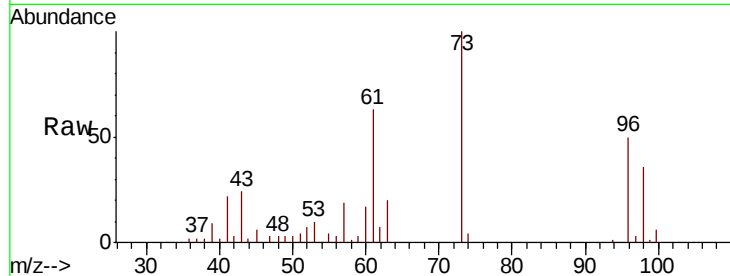


#19

Methyl tert-butyl Ether
 Concen: 18.062 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

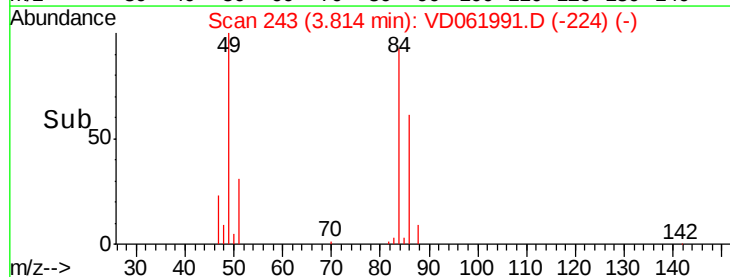
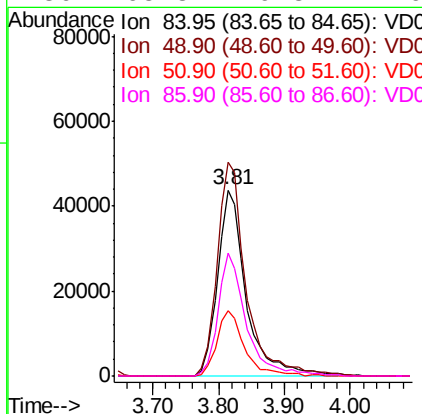
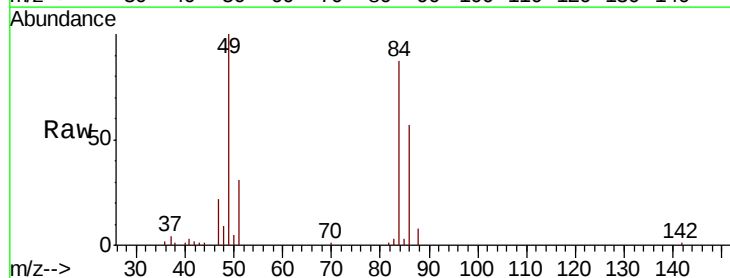
Tgt Ion: 73 Resp: 174964
 Ion Ratio Lower Upper
 73 100
 57 18.6 16.3 24.5

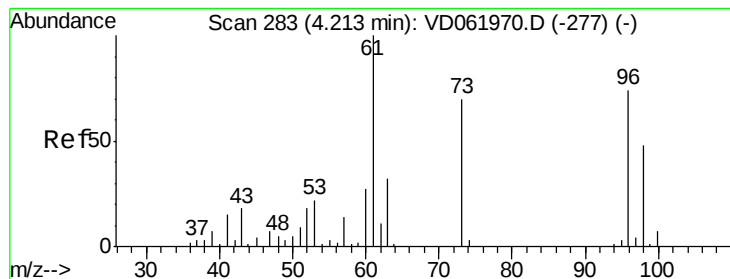


#20

Methylene Chloride
 Concen: 22.473 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion: 84 Resp: 132026
 Ion Ratio Lower Upper
 84 100
 49 114.7 94.0 141.0
 51 35.1 29.0 43.4
 86 65.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.993 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

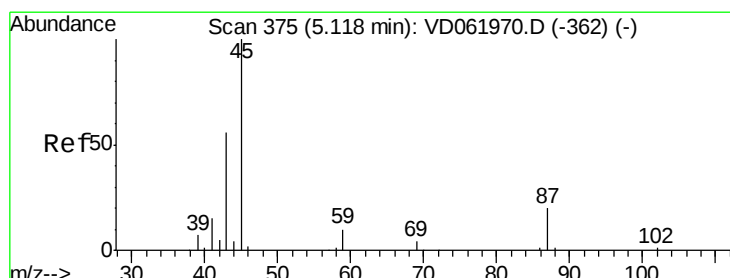
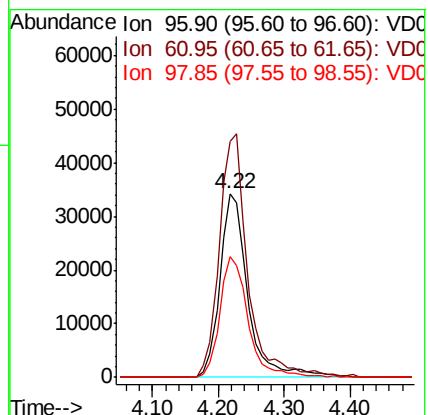
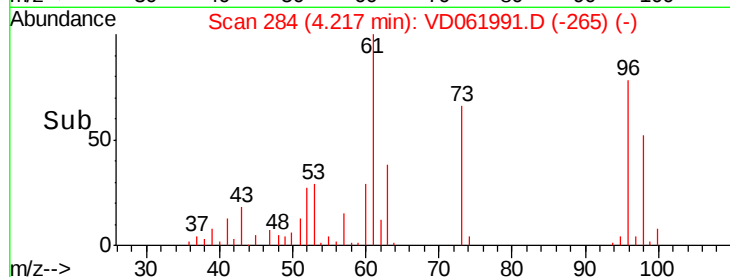
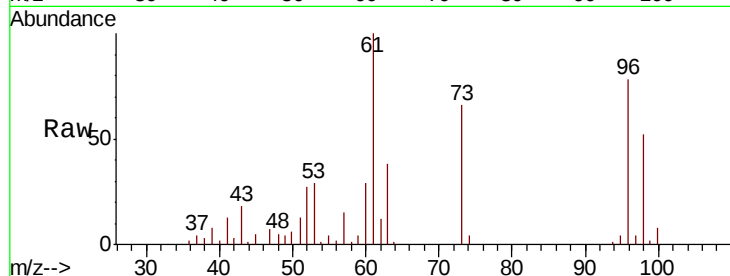
Tgt Ion: 96 Resp: 100775

Ion Ratio Lower Upper

96 100

61 128.1 104.4 156.6

98 66.0 51.8 77.8



#22

Diisopropyl ether

Concen: 18.851 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tgt Ion: 45 Resp: 293408

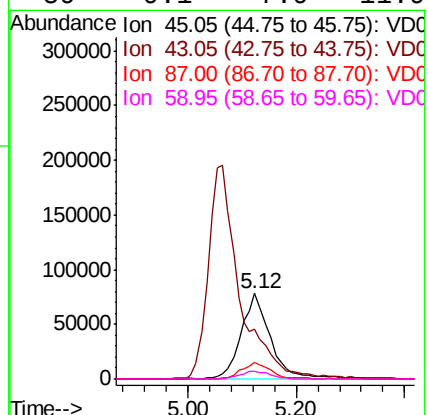
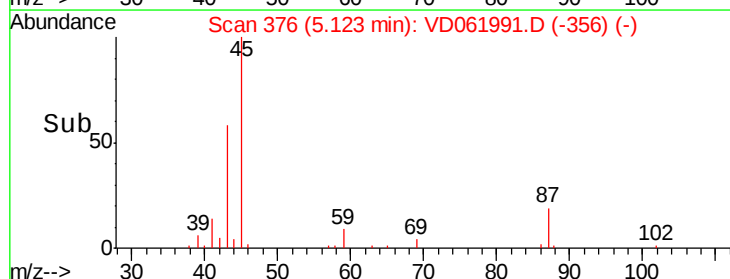
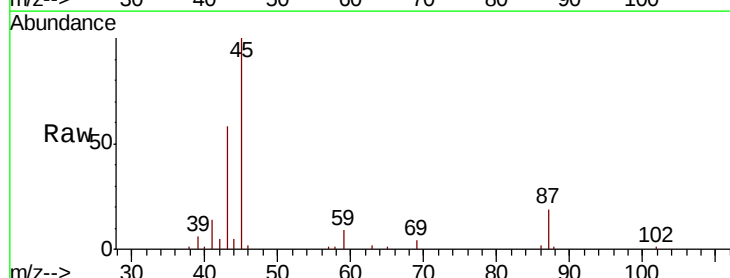
Ion Ratio Lower Upper

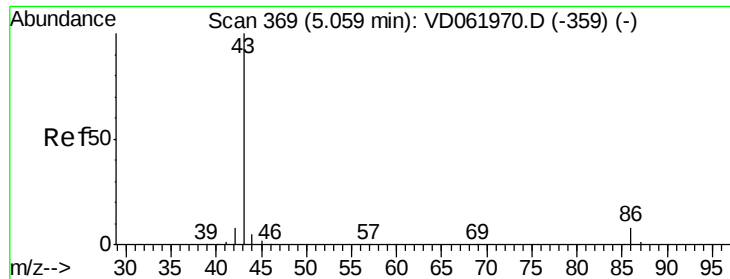
45 100

43 58.3 46.2 69.2

87 19.5 15.9 23.9

59 9.1 7.9 11.9

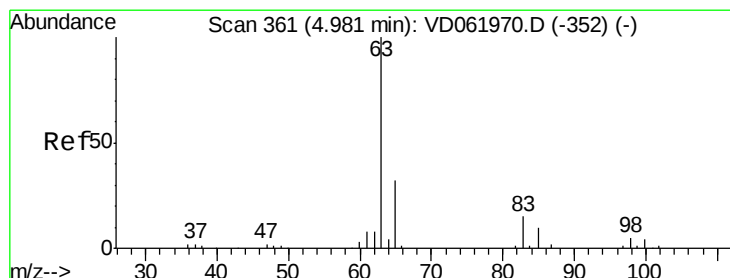
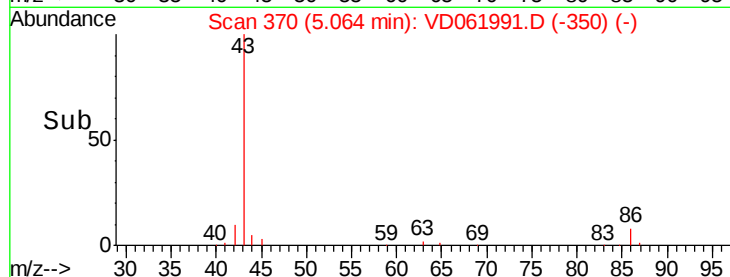
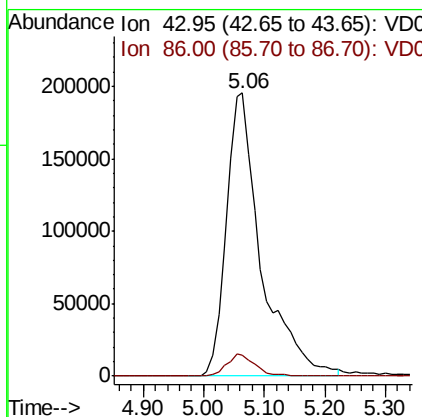
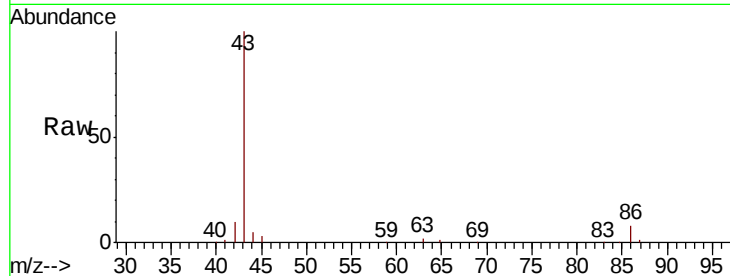




#23
 Vinyl Acetate
 Concen: 96.010 ug/l
 RT: 5.06 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

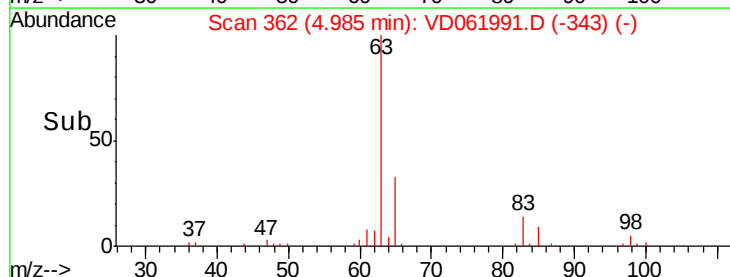
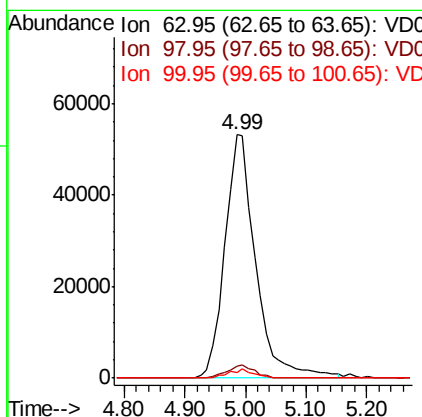
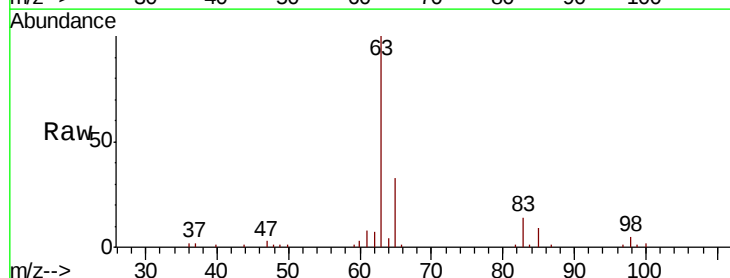
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

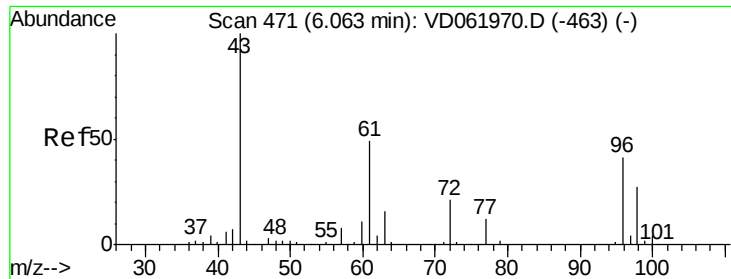
Tgt Ion: 43 Resp: 778215
 Ion Ratio Lower Upper
 43 100
 86 7.6 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 19.963 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion: 63 Resp: 187801
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.8 8.4
 100 2.4 1.8 5.5





#25

2-Butanone

Concen: 98.820 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

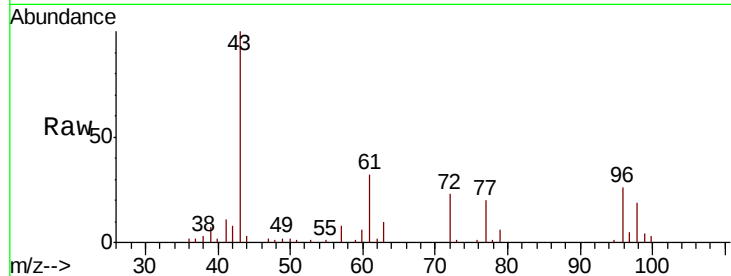
VD0424SBS01

Tgt Ion: 43 Resp: 134107

Ion Ratio Lower Upper

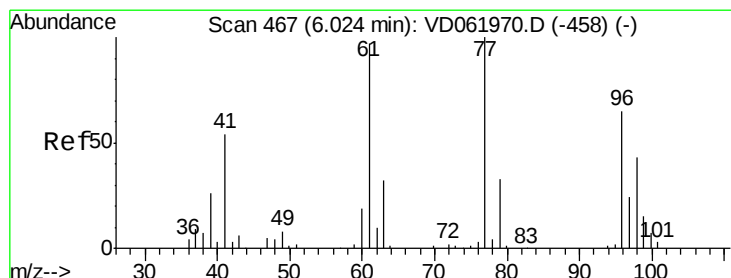
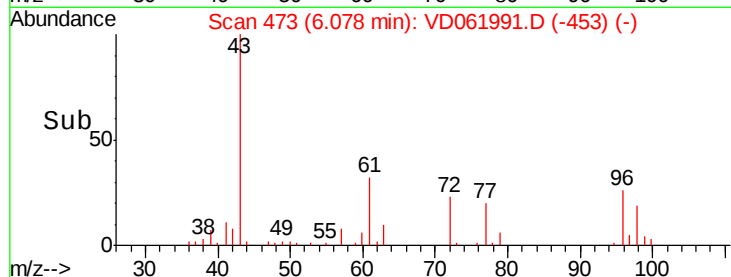
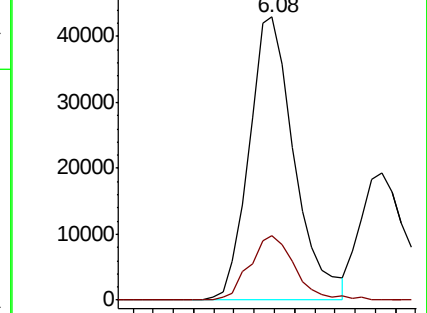
43 100

72 22.9 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.761 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD061991.D

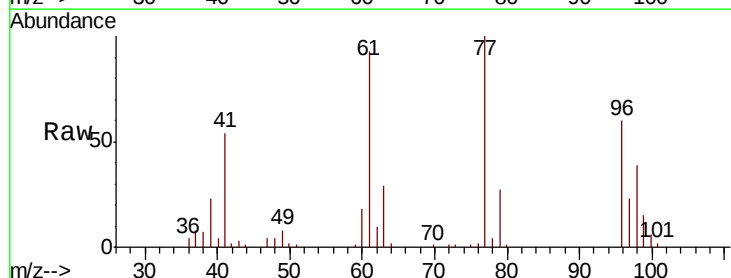
Acq: 24 Apr 2019 12:04

Tgt Ion: 77 Resp: 170388

Ion Ratio Lower Upper

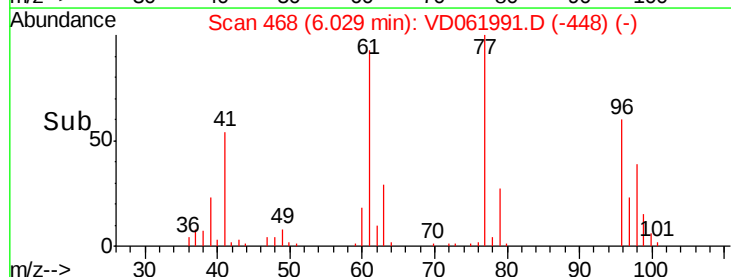
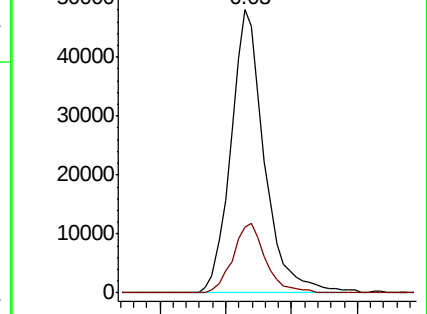
77 100

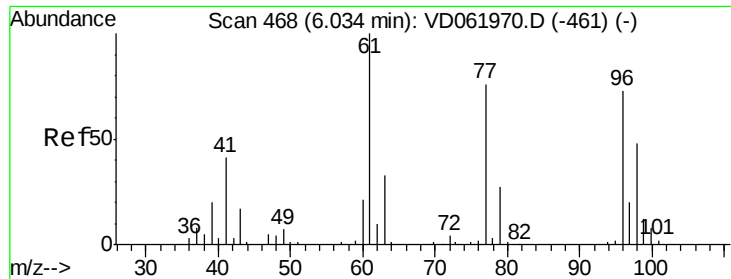
97 23.1 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



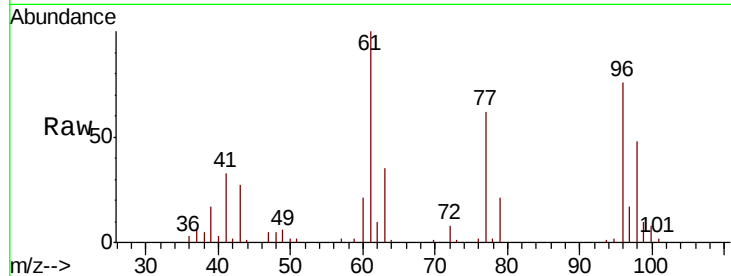


#27

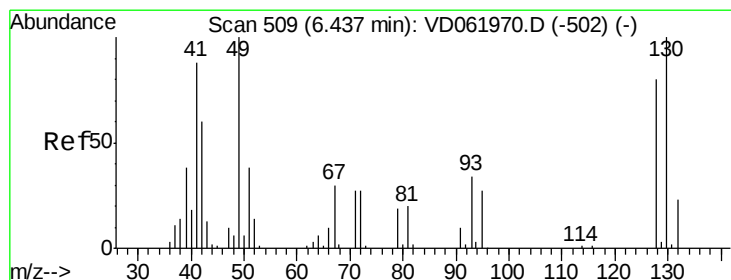
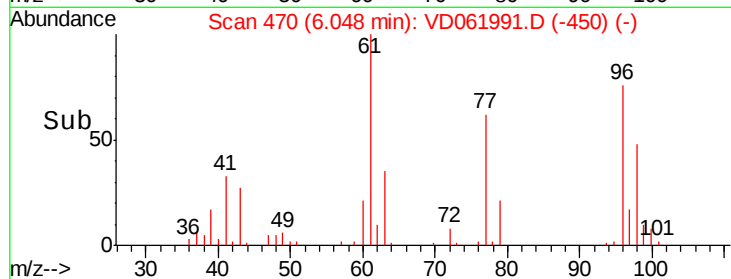
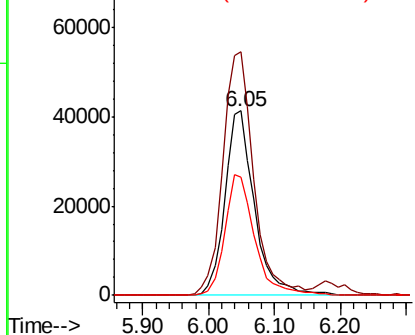
cis-1,2-Dichloroethene
Concen: 20.403 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tgt Ion: 96 Resp: 129996
Ion Ratio Lower Upper
96 100
61 132.2 0.0 279.8
98 63.8 0.0 136.0



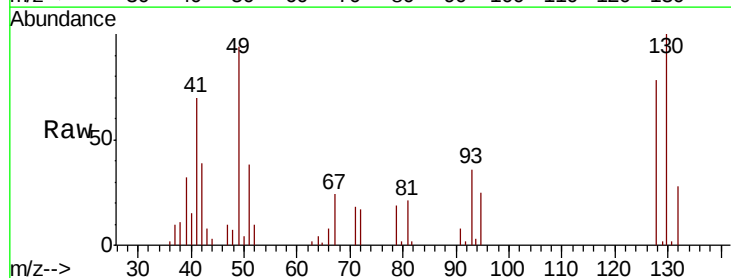
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



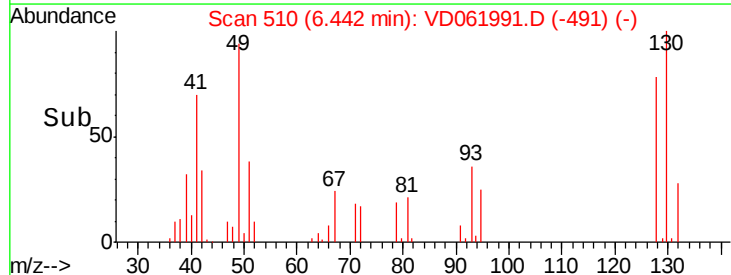
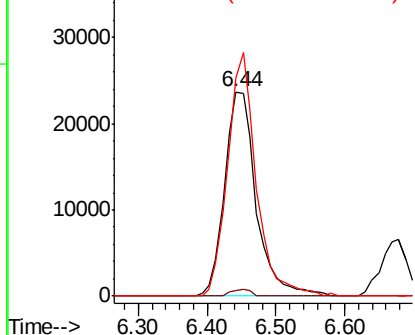
#28

Bromochloromethane
Concen: 20.888 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 49 Resp: 75188
Ion Ratio Lower Upper
49 100
129 2.7 0.0 6.6
130 106.7 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 96.059 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

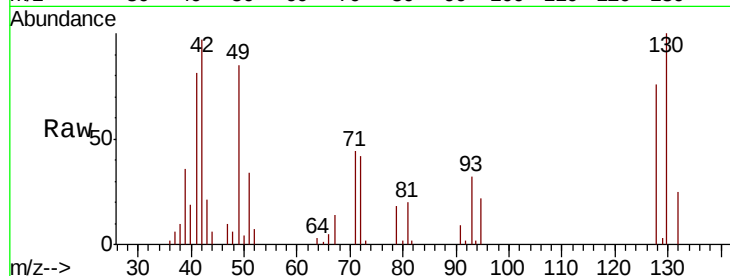
Tgt Ion: 42 Resp: 64232

Ion Ratio Lower Upper

42 100

72 47.3 37.8 56.6

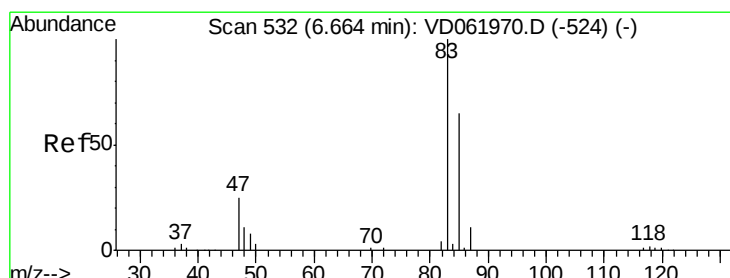
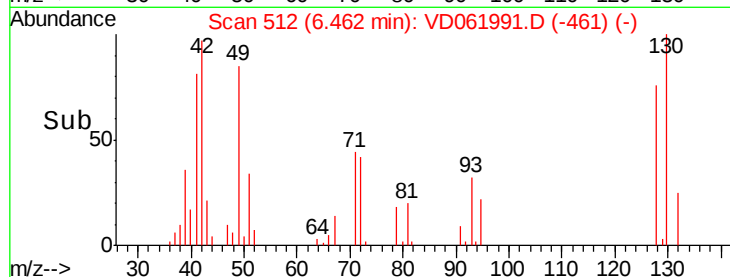
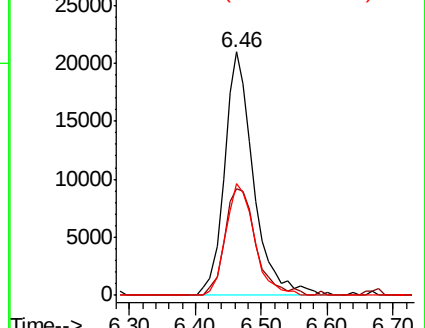
71 45.5 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.366 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD061991.D

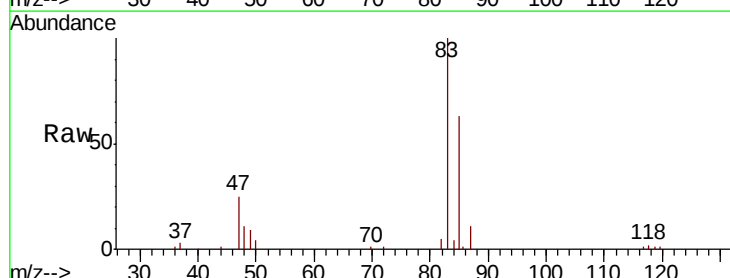
Acq: 24 Apr 2019 12:04

Tgt Ion: 83 Resp: 217612

Ion Ratio Lower Upper

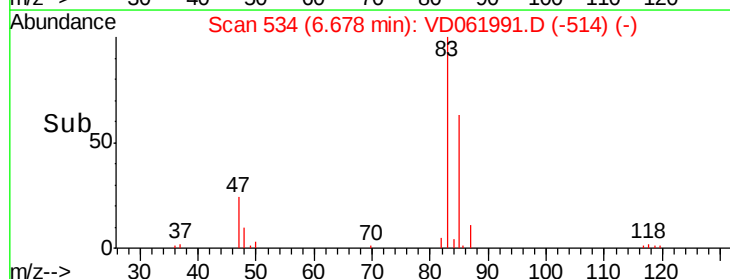
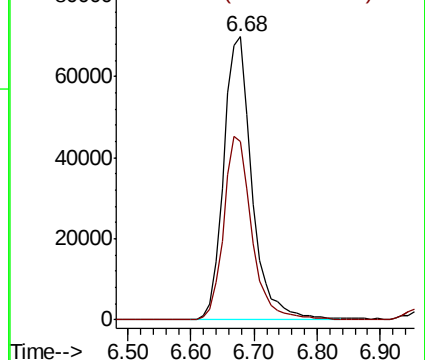
83 100

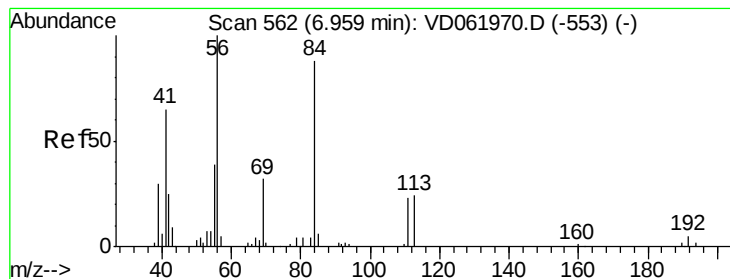
85 63.1 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.881 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

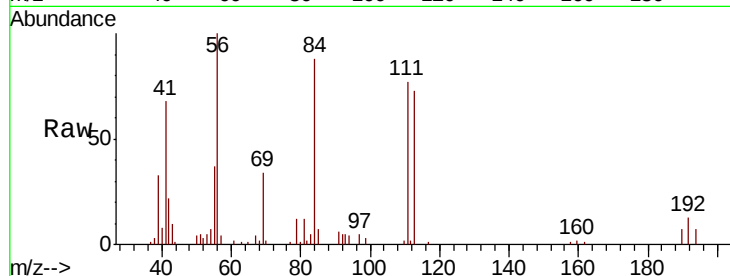
Tgt Ion: 56 Resp: 138824

Ion Ratio Lower Upper

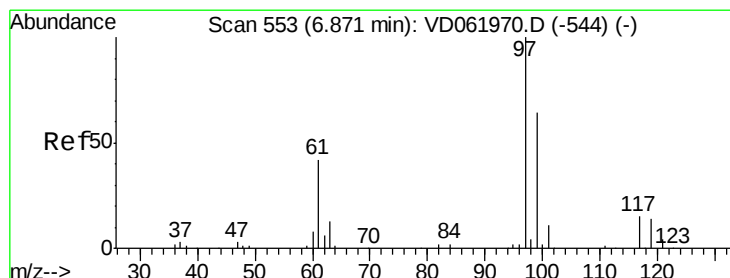
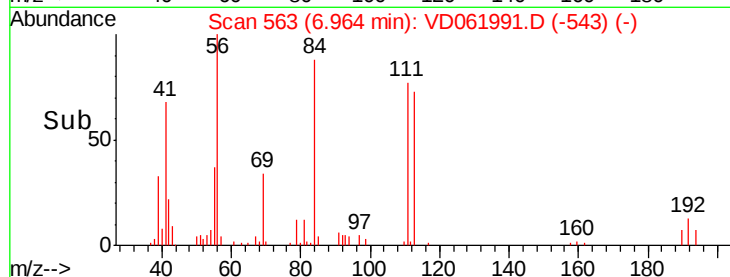
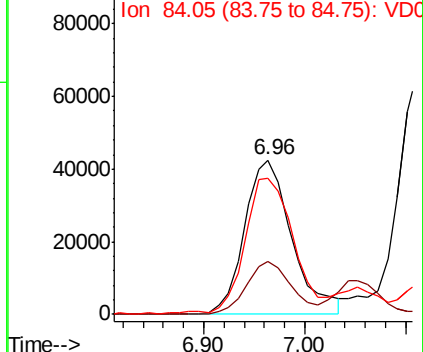
56 100

69 34.3 25.8 38.6

84 88.2 72.2 108.4



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



#32

1,1,1-Trichloroethane

Concen: 20.743 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

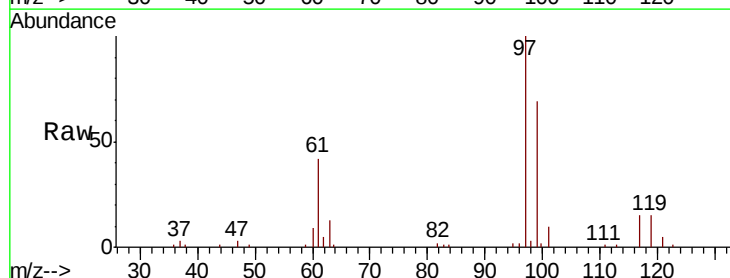
Tgt Ion: 97 Resp: 192846

Ion Ratio Lower Upper

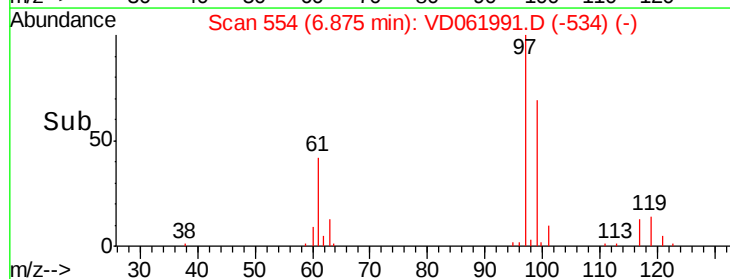
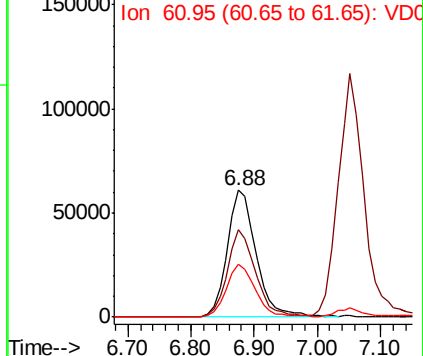
97 100

99 69.2 52.2 78.2

61 41.8 32.4 48.6



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





#33

1,2-Dichloroethane-d4

Concen: 20.743 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

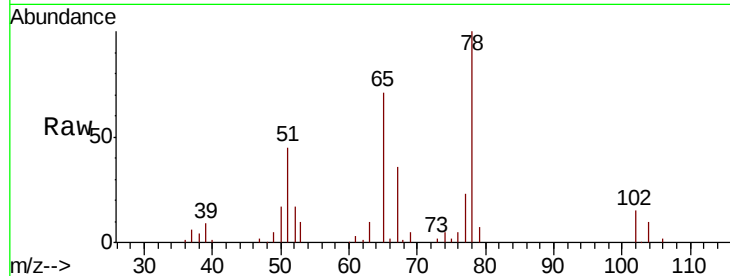
VD0424SBS01

Tgt Ion: 65 Resp: 255054

Ion Ratio Lower Upper

65 100

67 50.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

100000

80000

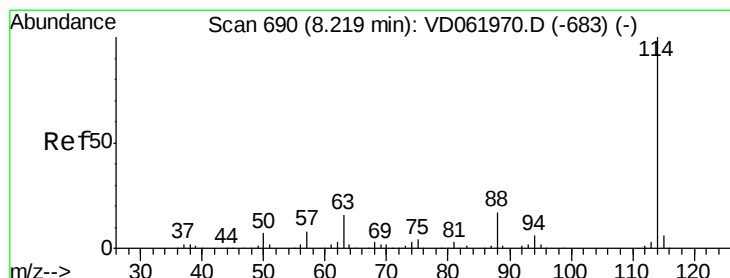
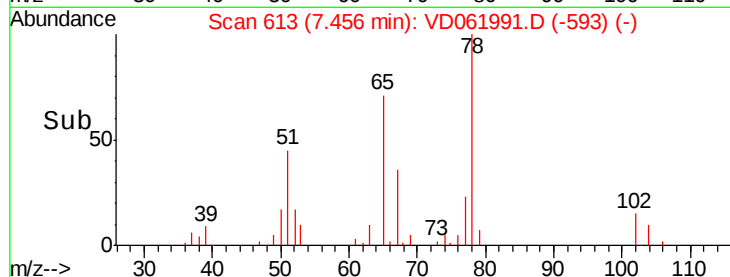
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

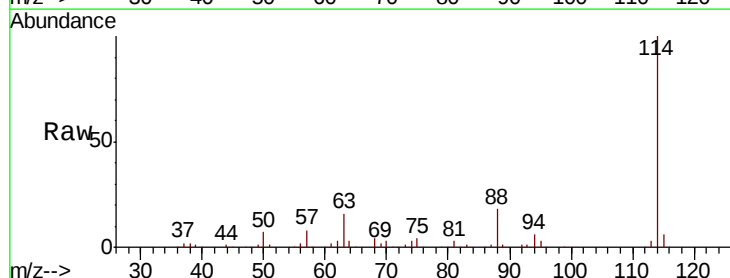
Tgt Ion: 114 Resp: 905835

Ion Ratio Lower Upper

114 100

63 15.8 0.0 32.4

88 17.5 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

8.22

400000

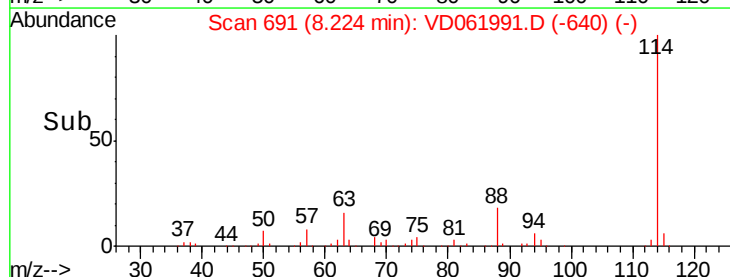
300000

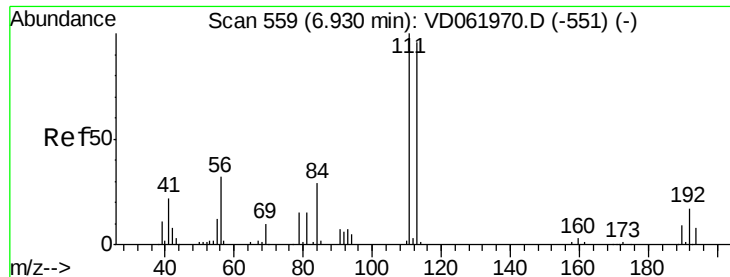
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

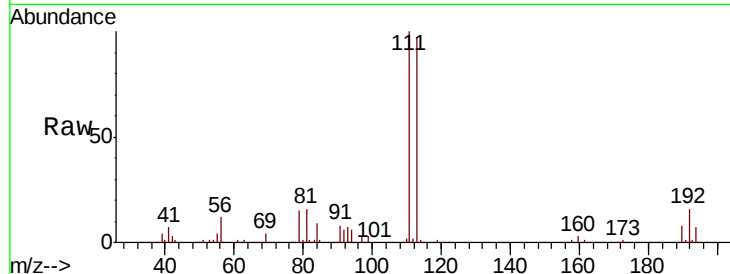
Tgt Ion:113 Resp: 371914

Ion Ratio Lower Upper

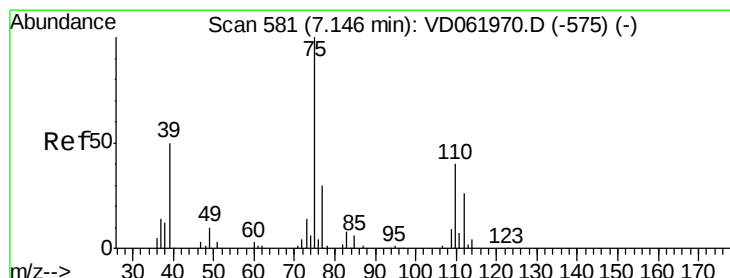
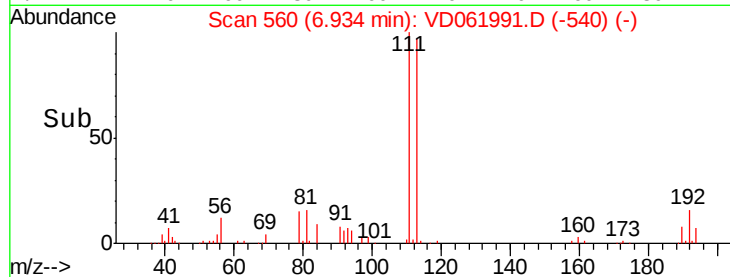
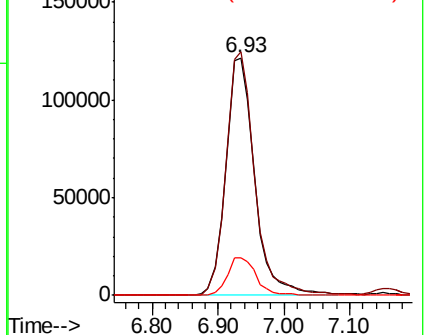
113 100

111 102.6 78.5 117.7

192 16.0 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 21.548 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

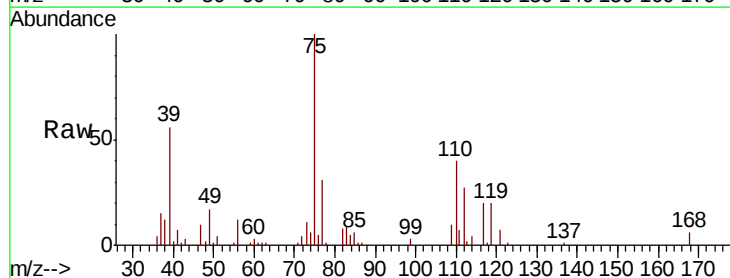
Tgt Ion: 75 Resp: 152074

Ion Ratio Lower Upper

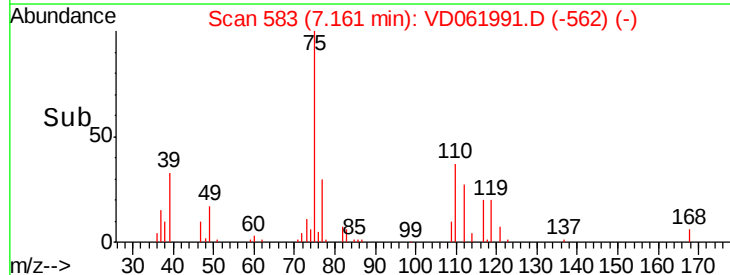
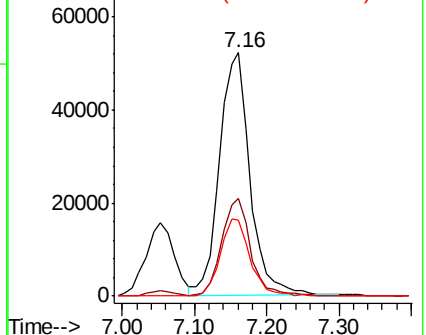
75 100

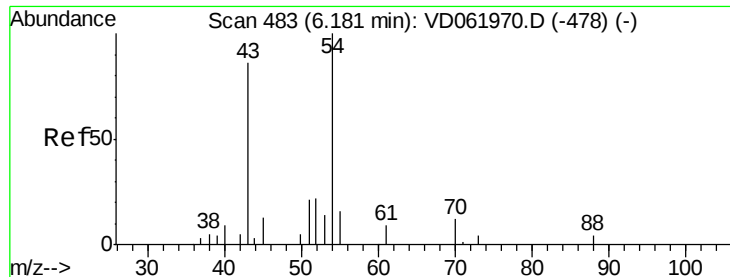
110 39.9 19.1 57.1

77 31.1 25.6 38.4



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





#37

Ethyl Acetate

Concen: 21.552 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

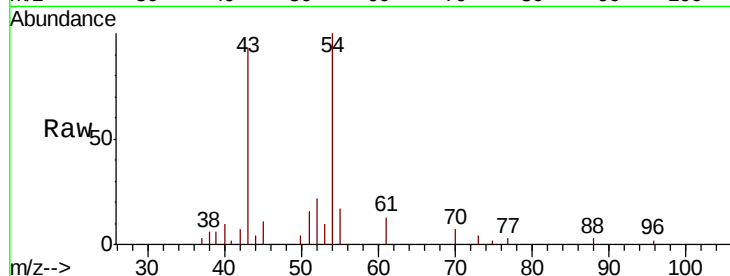
Tgt Ion: 43 Resp: 64815

Ion Ratio Lower Upper

43 100

61 14.5 14.7 22.1#

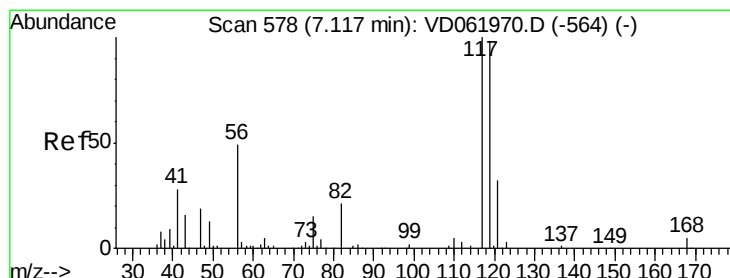
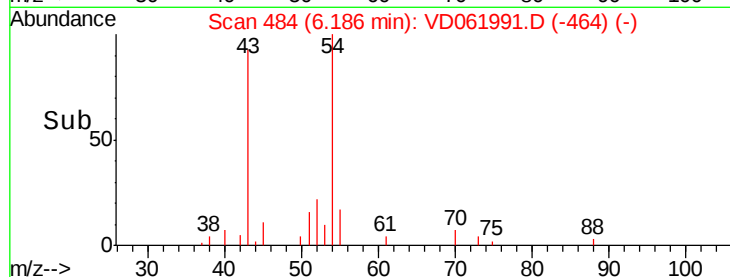
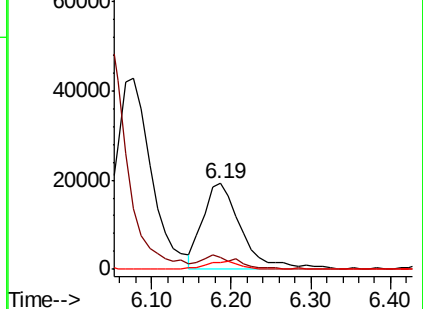
70 7.6 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 21.487 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

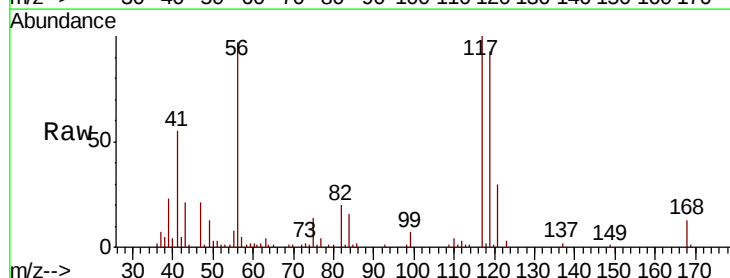
Tgt Ion: 117 Resp: 192156

Ion Ratio Lower Upper

117 100

119 93.4 75.8 113.8

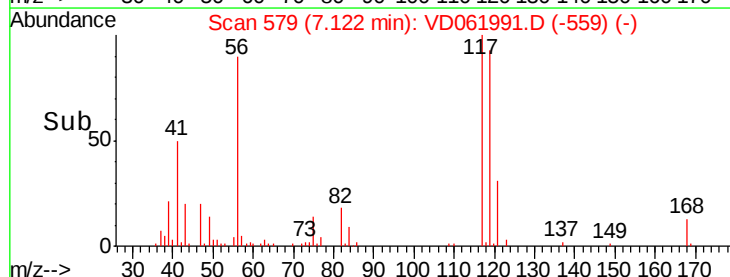
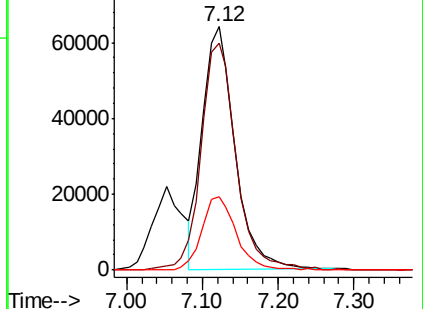
121 30.1 25.9 38.9



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

Methylcyclohexane

Concen: 22.243 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

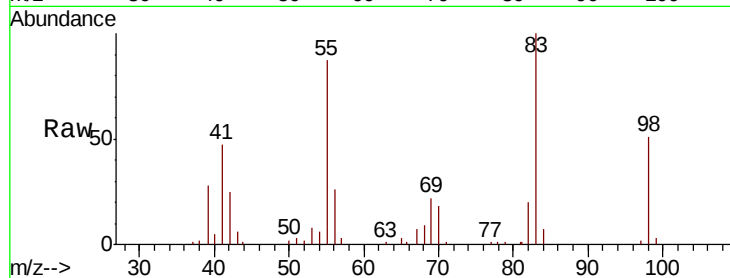
Tgt Ion: 83 Resp: 154877

Ion Ratio Lower Upper

83 100

55 87.1 68.2 102.4

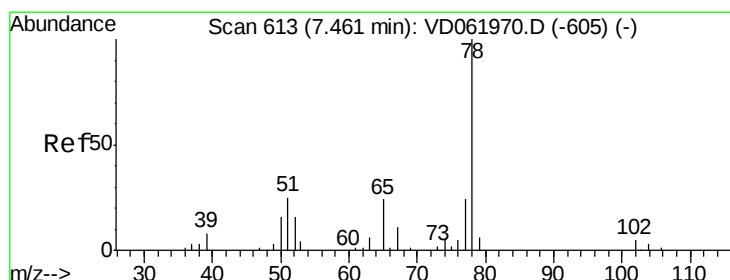
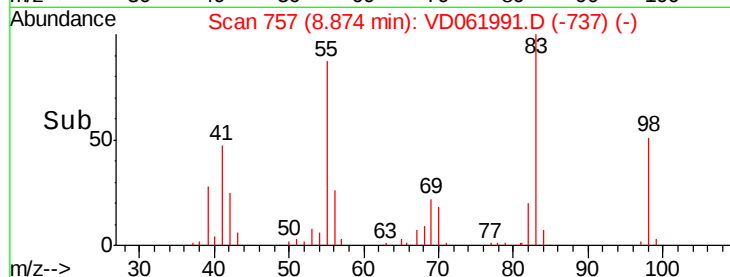
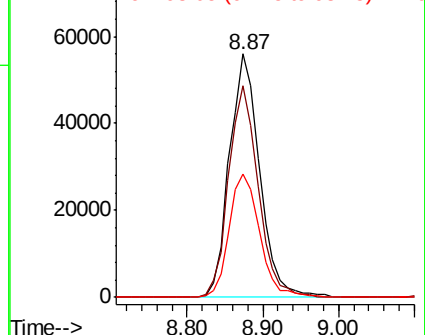
98 50.7 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 21.982 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD061991.D

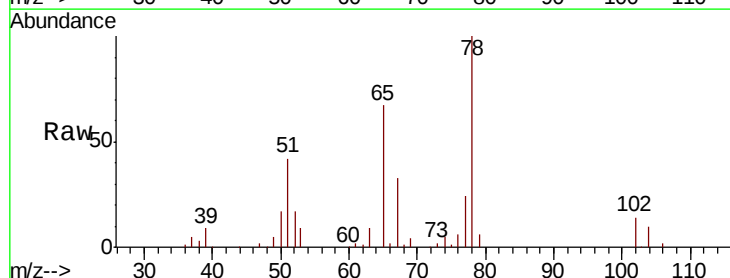
Acq: 24 Apr 2019 12:04

Tgt Ion: 78 Resp: 384061

Ion Ratio Lower Upper

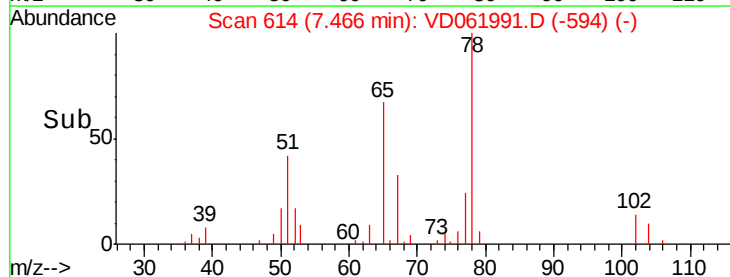
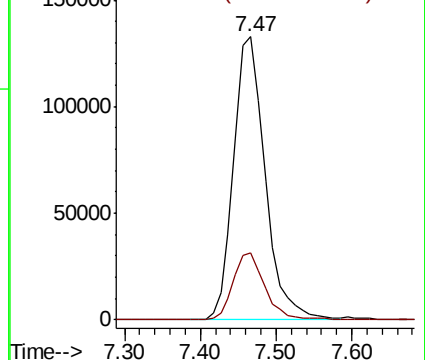
78 100

77 23.6 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

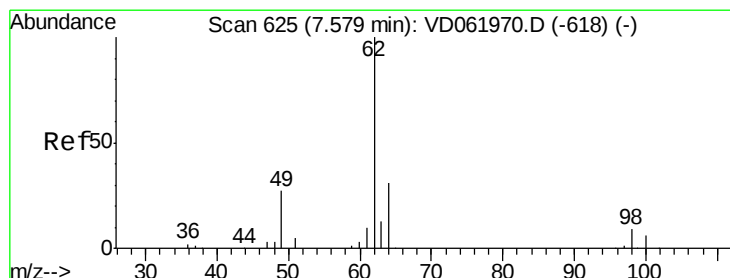
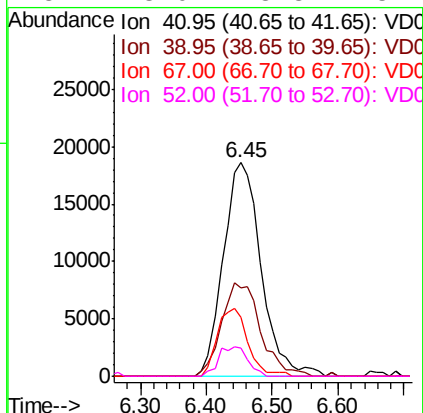
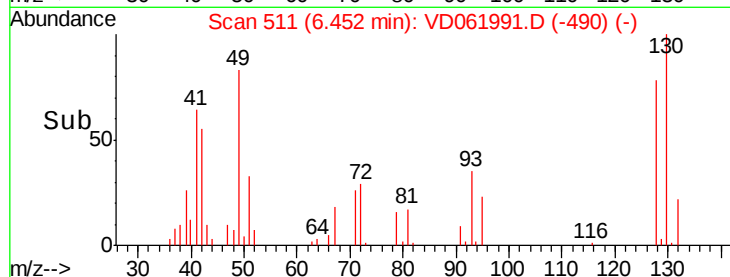
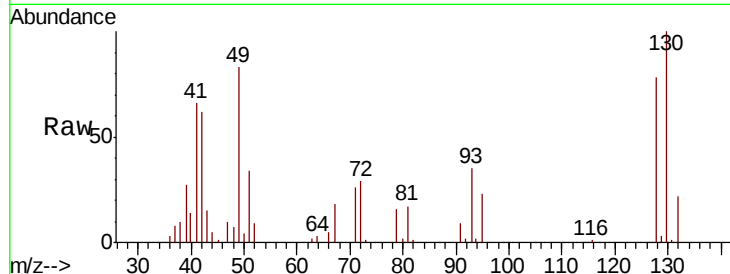




#41
Methacrylonitrile
Concen: 21.311 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

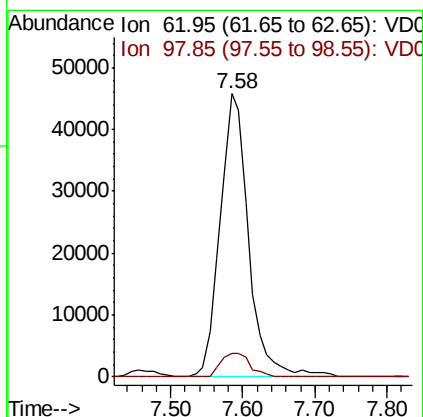
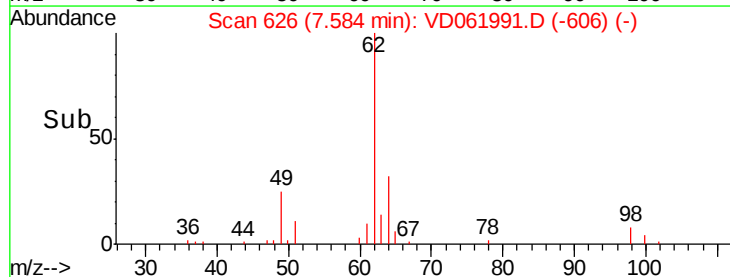
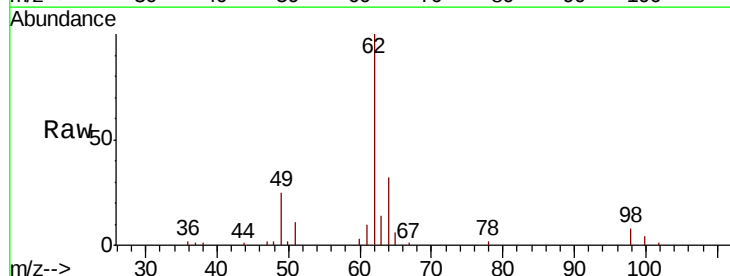
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

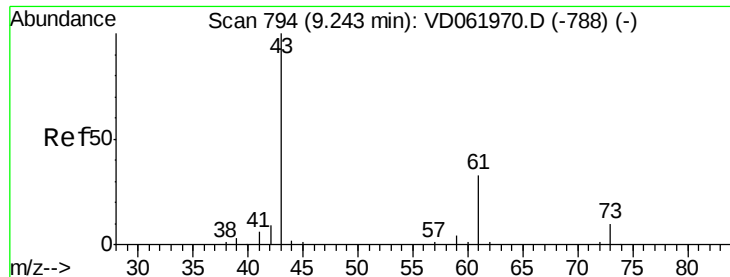
Tgt Ion: 41 Resp: 74779
Ion Ratio Lower Upper
41 100
39 41.4 34.1 51.1
67 27.5 23.8 35.6
52 13.0 8.8 13.2



#42
1,2-Dichloroethane
Concen: 21.116 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 62 Resp: 125266
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.8





#43

Isopropyl Acetate

Concen: 19.949 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

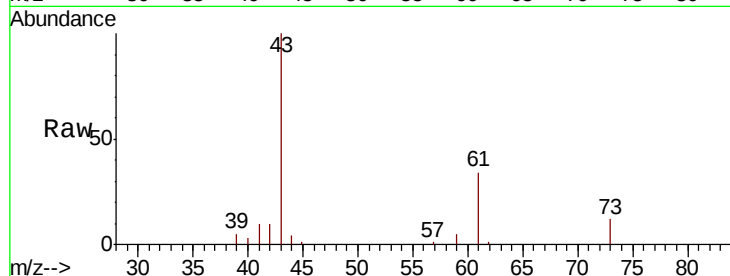
Tgt Ion: 43 Resp: 87663

Ion Ratio Lower Upper

43 100

61 34.1 25.1 37.7

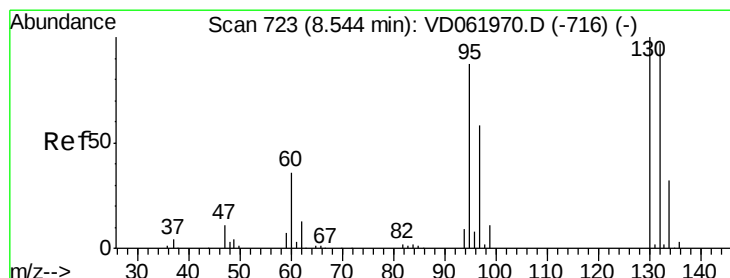
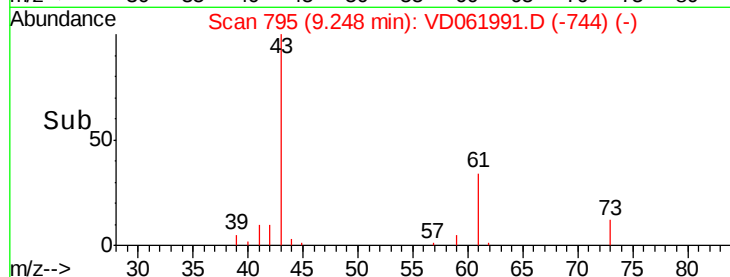
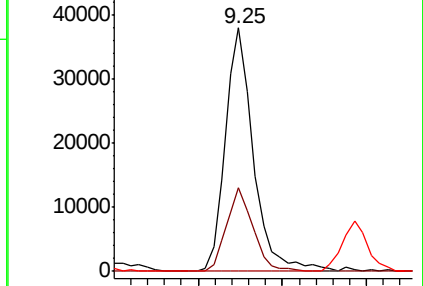
87 0.0 0.0 0.0



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: 21.966 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD061991.D

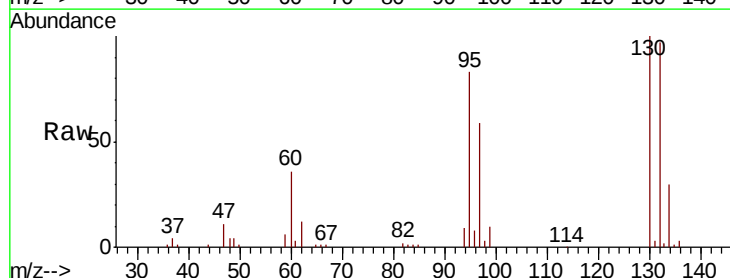
Acq: 24 Apr 2019 12:04

Tgt Ion: 130 Resp: 148786

Ion Ratio Lower Upper

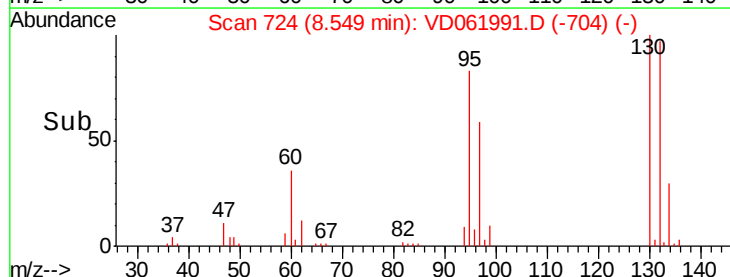
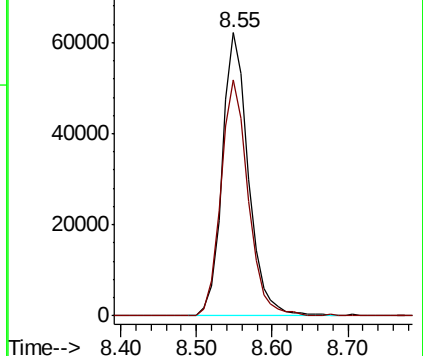
130 100

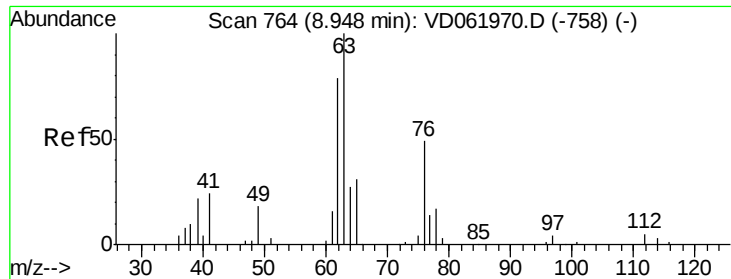
95 83.2 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.564 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

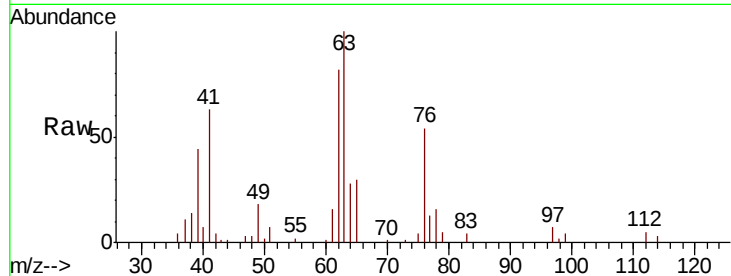
VD0424SBS01

Tgt Ion: 63 Resp: 86715

Ion Ratio Lower Upper

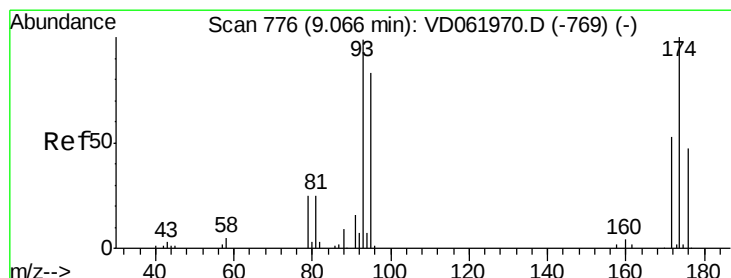
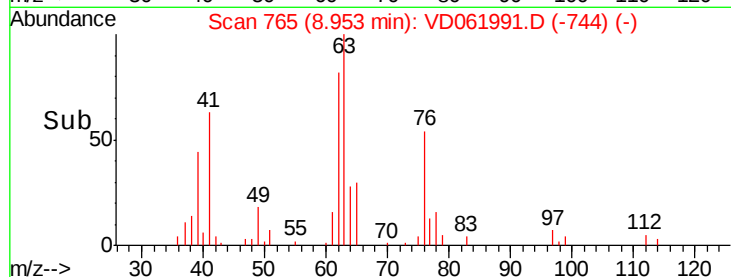
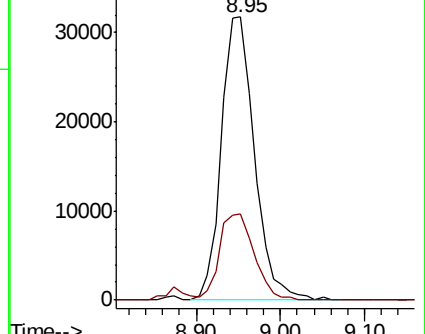
63 100

65 30.4 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.787 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

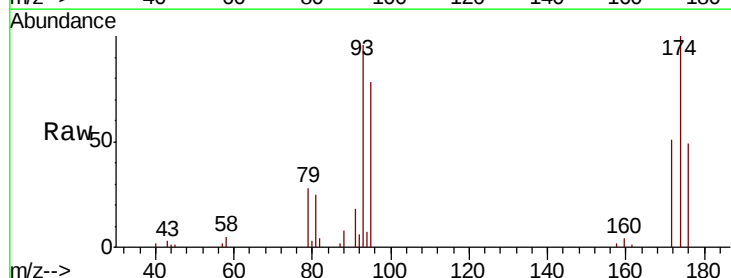
Tgt Ion: 93 Resp: 72675

Ion Ratio Lower Upper

93 100

95 80.5 64.8 97.2

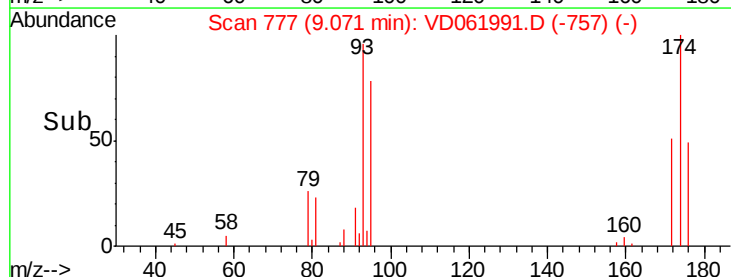
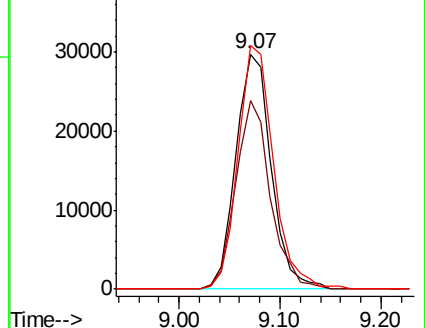
174 103.6 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

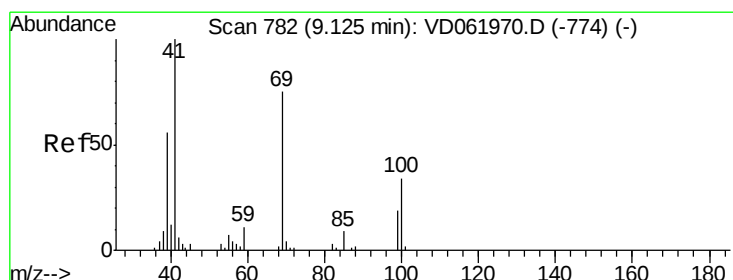
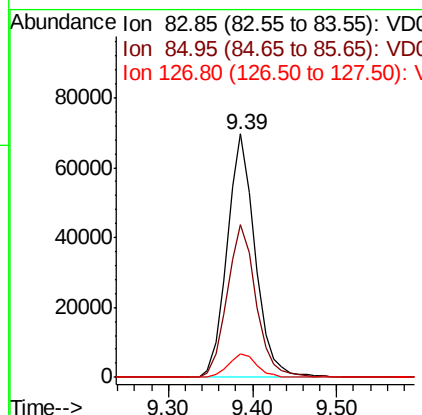
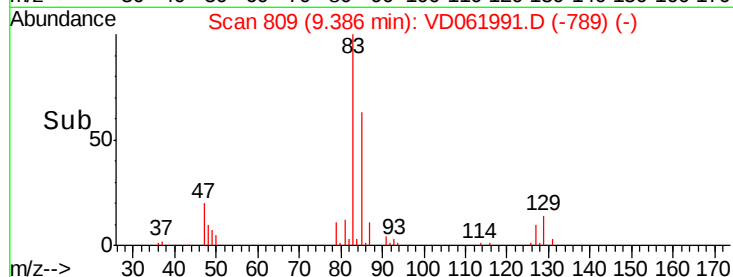
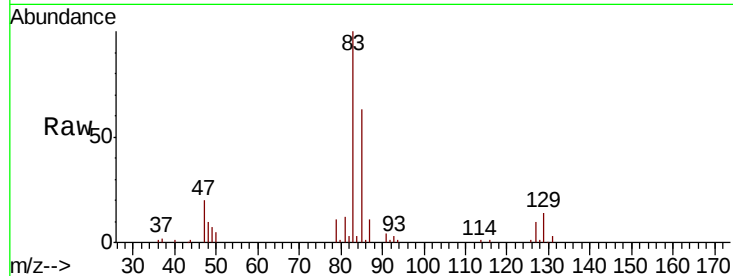




#47
Bromodichloromethane
Concen: 21.274 ug/l
RT: 9.39 min Scan# 809
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

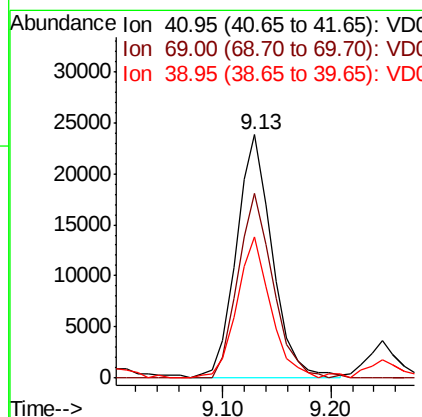
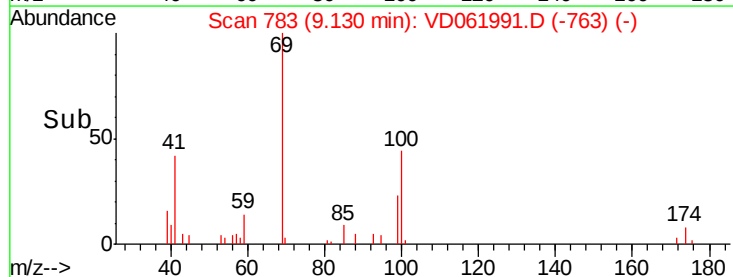
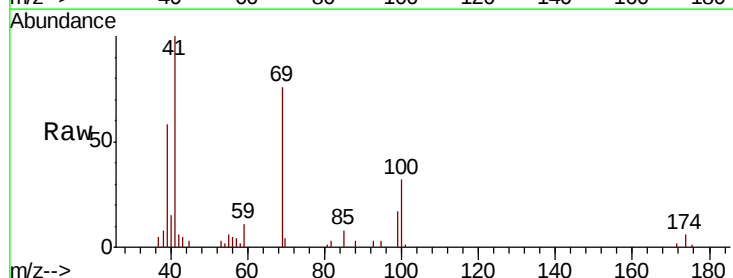
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tgt Ion: 83 Resp: 160320
Ion Ratio Lower Upper
83 100
85 62.7 50.9 76.3
127 9.9 8.1 12.1



#48
Methyl methacrylate
Concen: 21.952 ug/l
RT: 9.13 min Scan# 783
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 41 Resp: 55036
Ion Ratio Lower Upper
41 100
69 75.9 64.2 96.2
39 58.1 46.8 70.2

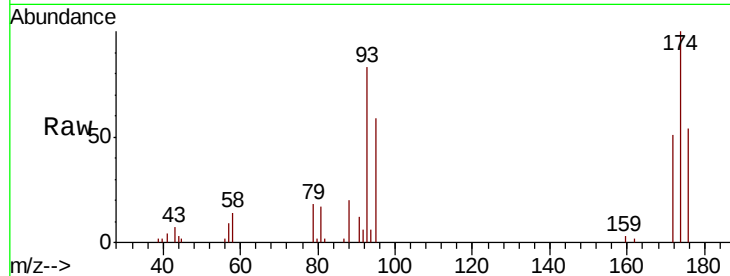




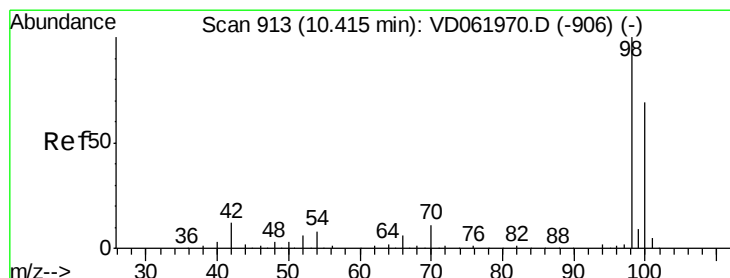
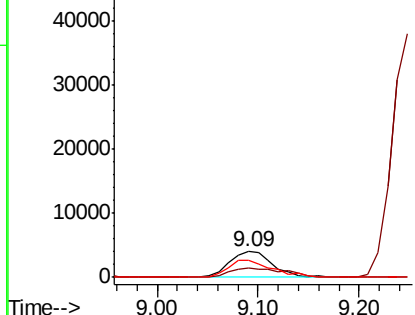
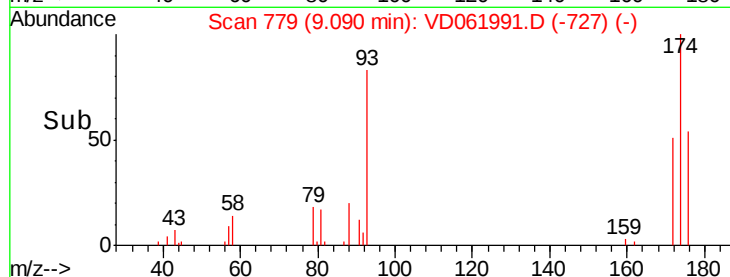
#49
1,4-Dioxane
Concen: 445.870 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tgt Ion: 88 Resp: 12052
Ion Ratio Lower Upper
88 100
43 37.0 23.4 35.0#
58 68.3 44.0 66.0#

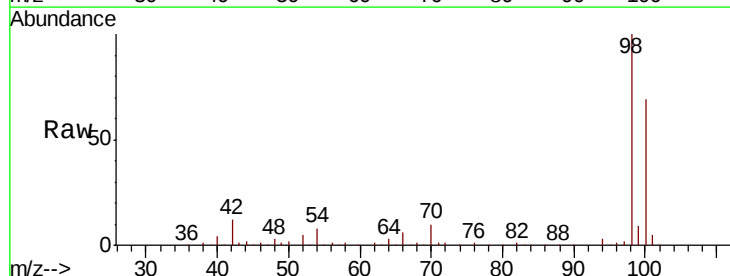


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

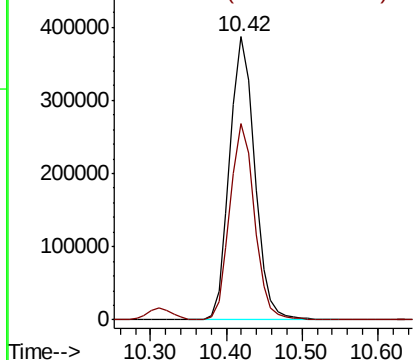
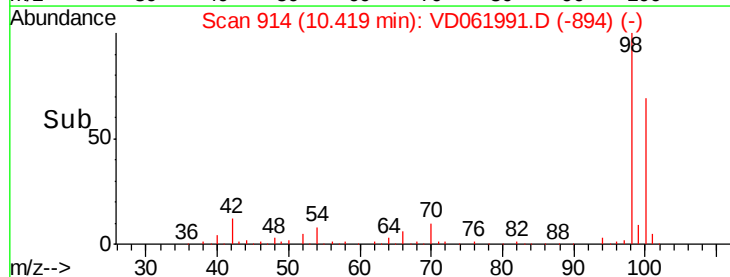


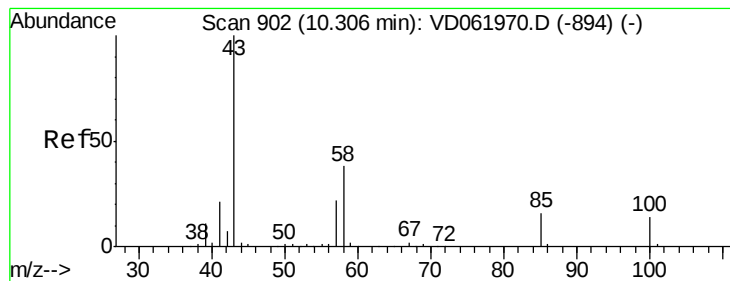
#50
Toluene-d8
Concen: 445.870 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 98 Resp: 890933
Ion Ratio Lower Upper
98 100
100 69.3 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 107.437 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

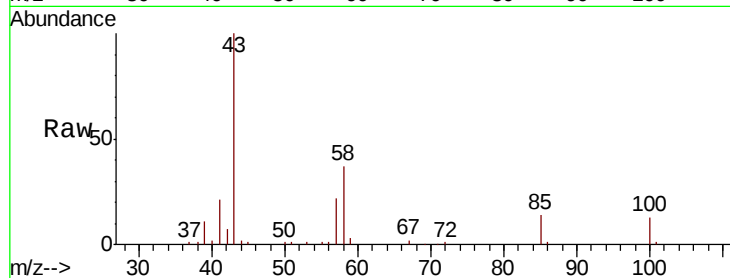
VD0424SBS01

Tgt Ion: 43 Resp: 288720

Ion Ratio Lower Upper

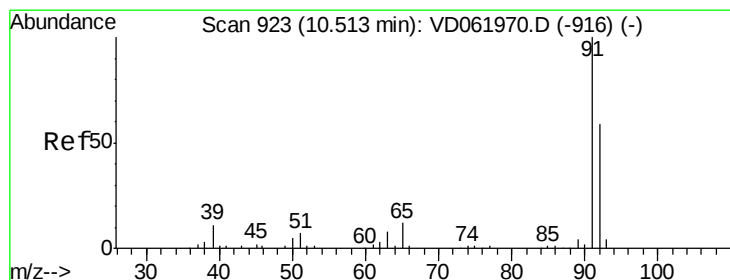
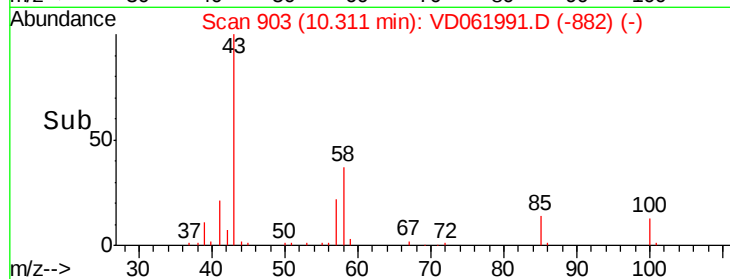
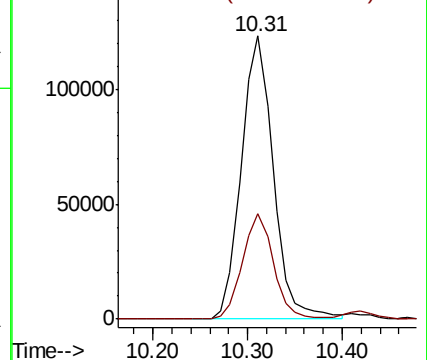
43 100

58 37.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.641 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD061991.D

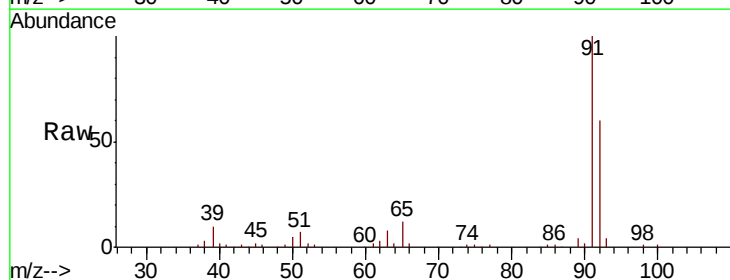
Acq: 24 Apr 2019 12:04

Tgt Ion: 92 Resp: 252227

Ion Ratio Lower Upper

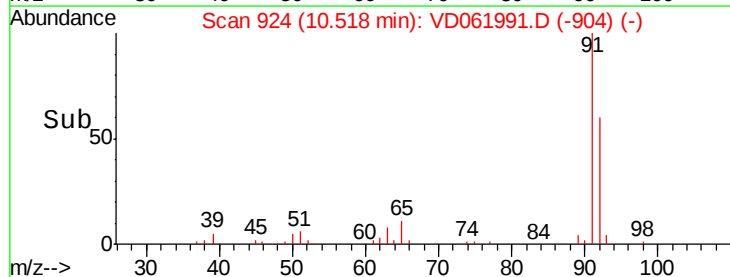
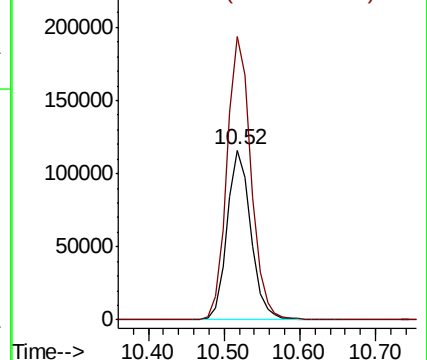
92 100

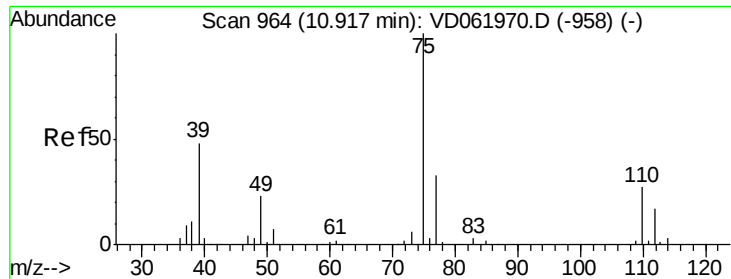
91 166.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

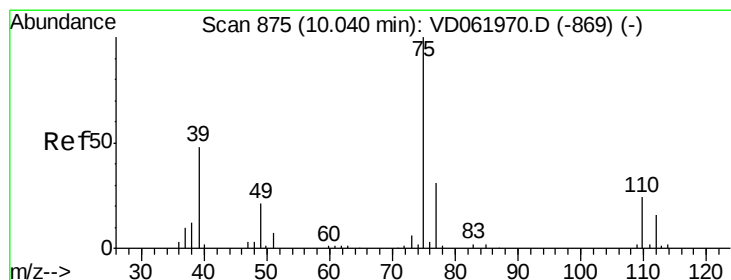
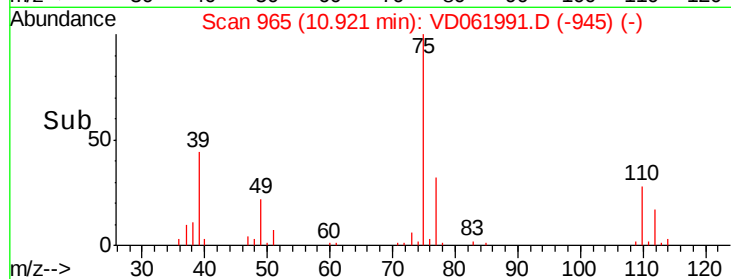
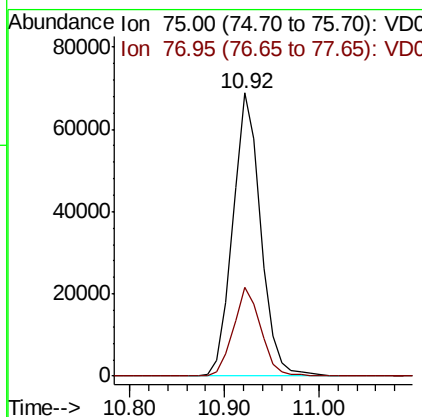
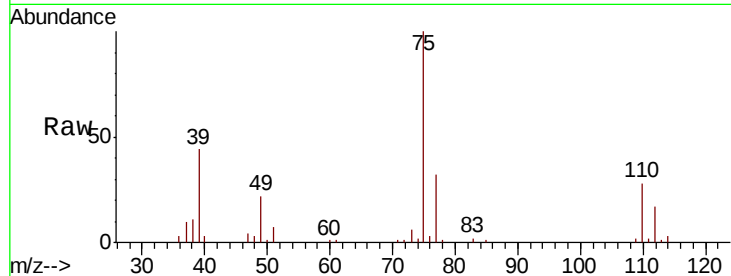




#53
 t-1,3-Dichloropropene
 Concen: 22.149 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

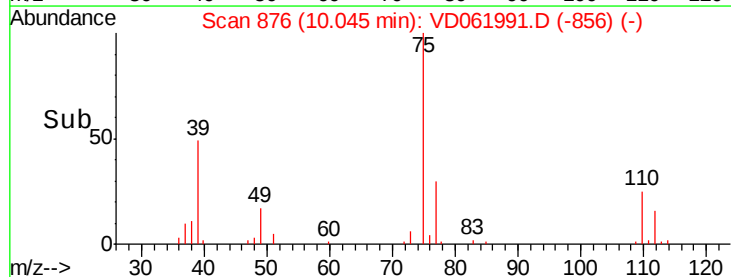
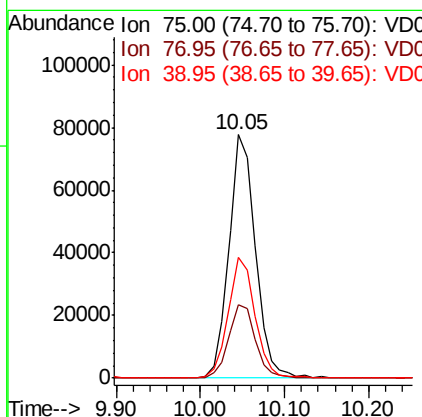
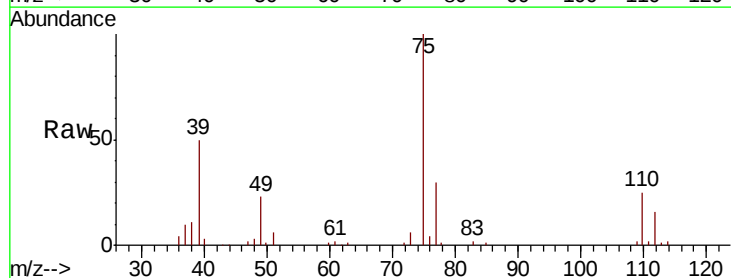
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

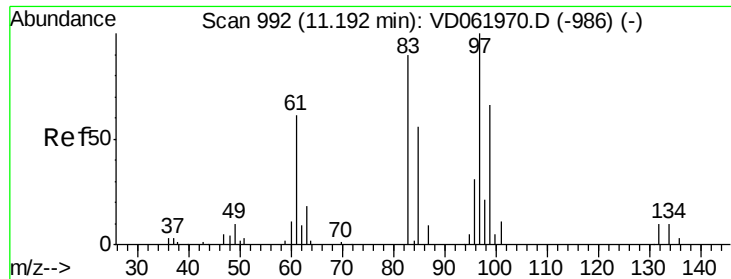
Tgt Ion: 75 Resp: 140103
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.077 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion: 75 Resp: 169851
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.5 38.3
 39 49.8 39.4 59.2

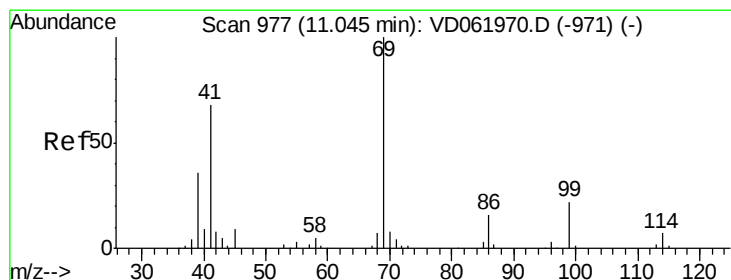
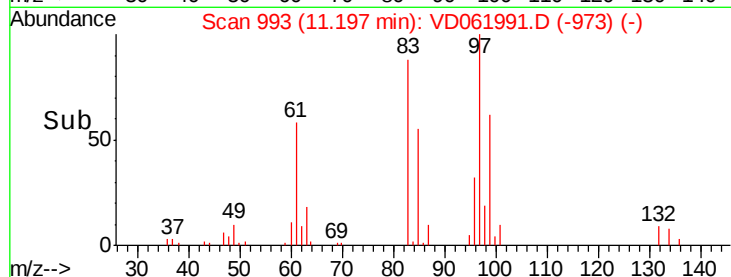
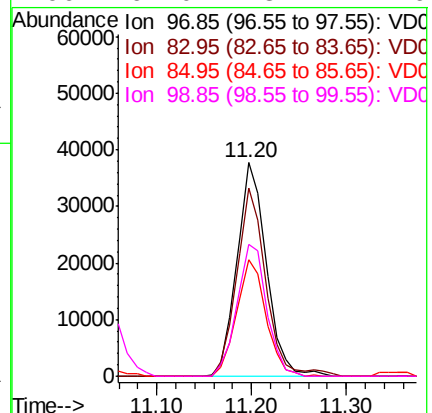
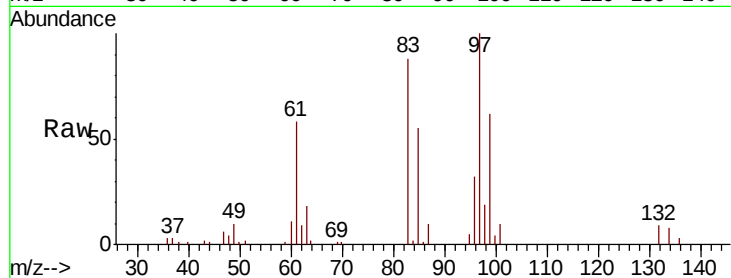




#55
 1,1,2-Trichloroethane
 Concen: 21.704 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

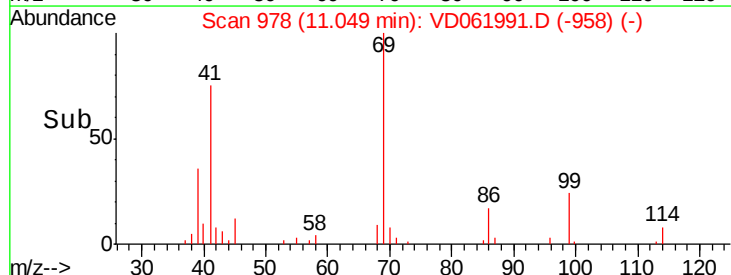
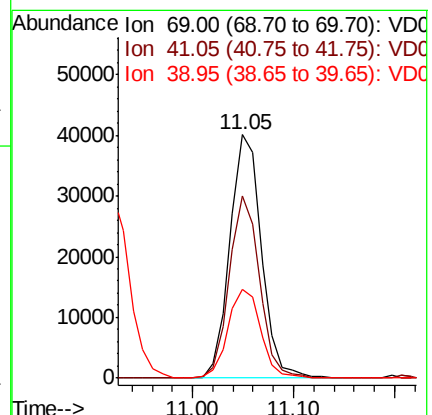
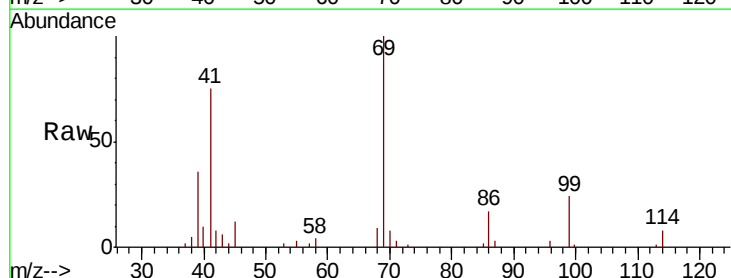
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

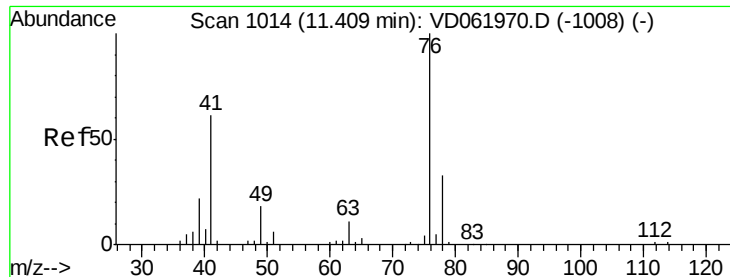
Tgt Ion:	97	Resp:	81173
Ion	Ratio	Lower	Upper
97	100		
83	88.1	65.7	98.5
85	54.6	45.6	68.4
99	62.0	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 21.050 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion:	69	Resp:	87195
Ion	Ratio	Lower	Upper
69	100		
41	74.9	56.3	84.5
39	36.5	29.4	44.2

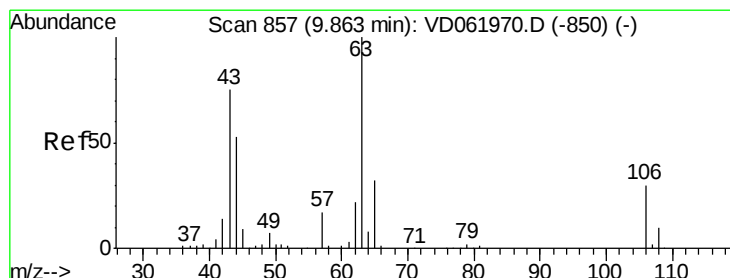
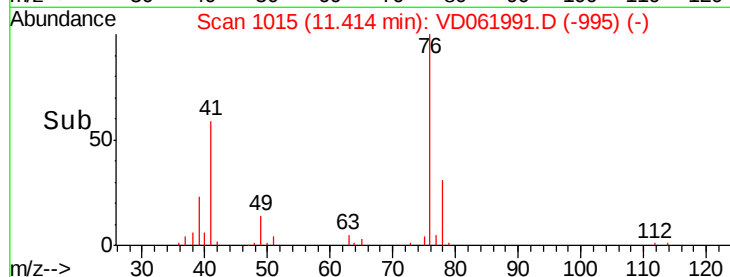
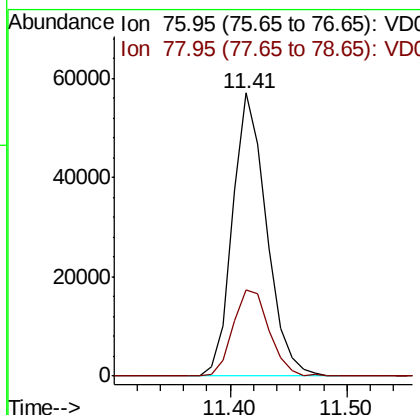
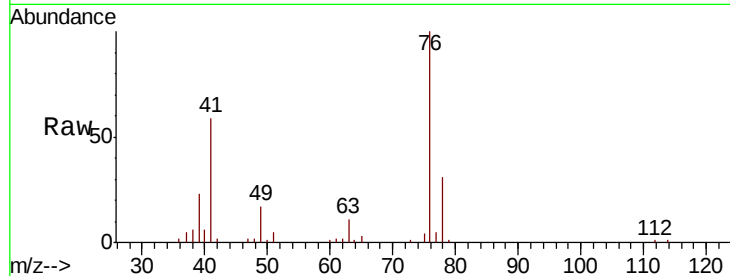




#57
 1,3-Dichloropropane
 Concen: 19.885 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

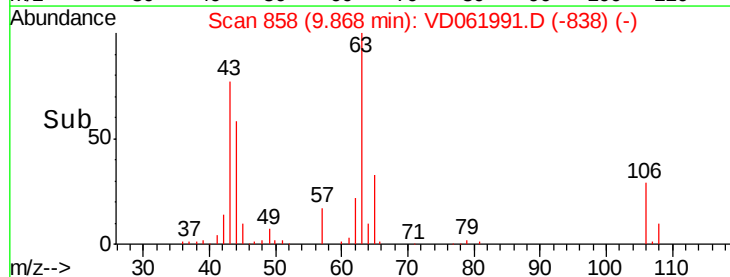
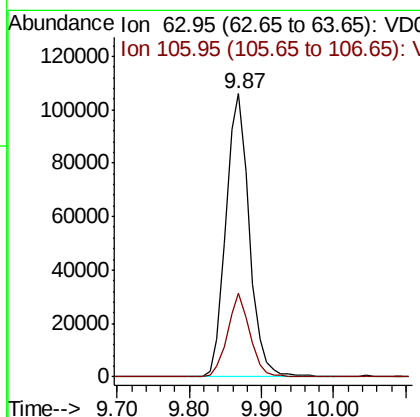
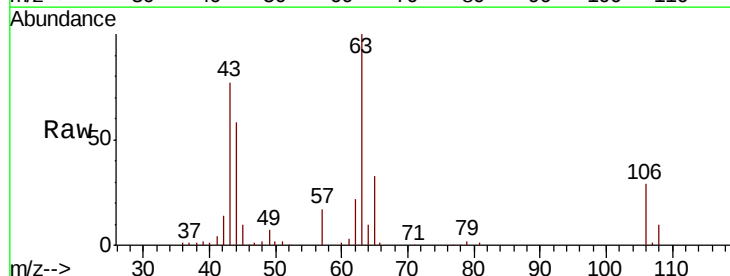
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

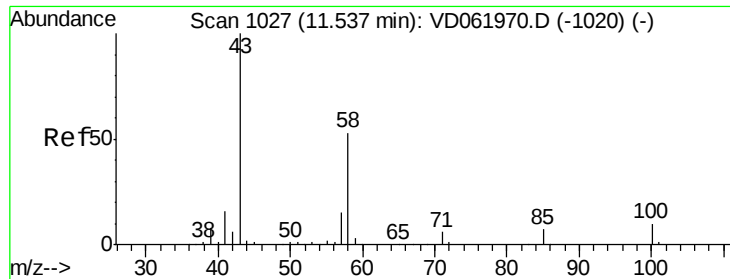
Tgt Ion: 76 Resp: 114864
 Ion Ratio Lower Upper
 76 100
 78 30.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 123.826 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion: 63 Resp: 238470
 Ion Ratio Lower Upper
 63 100
 106 29.4 22.6 34.0

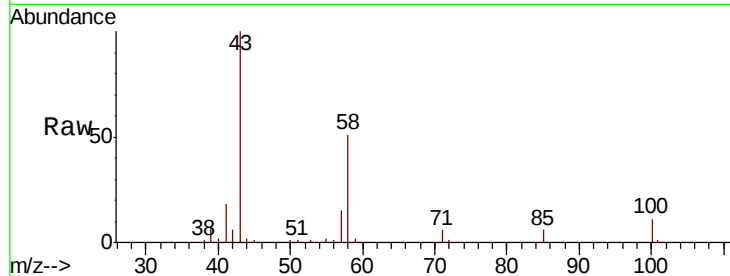




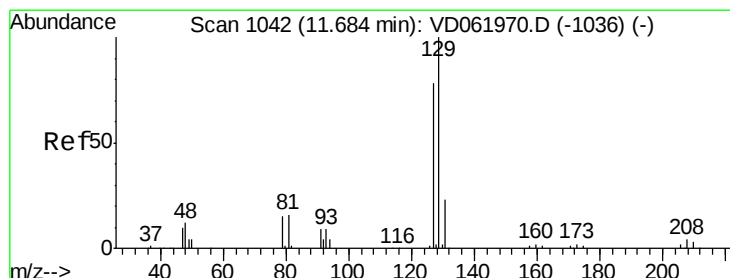
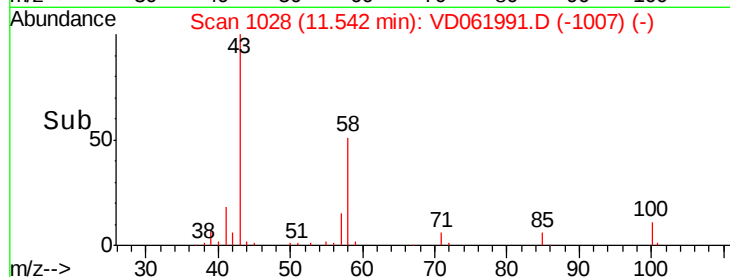
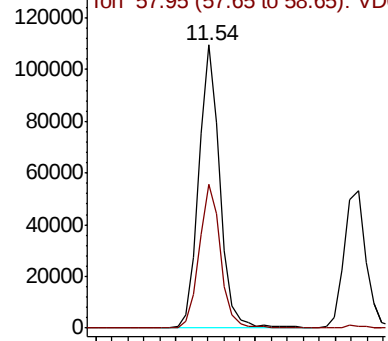
#59
2-Hexanone
Concen: 101.447 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tgt Ion: 43 Resp: 204506
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.4

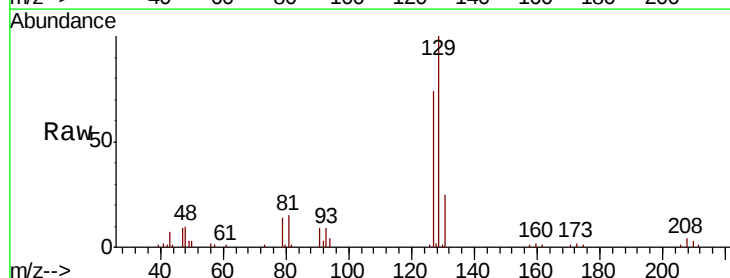


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

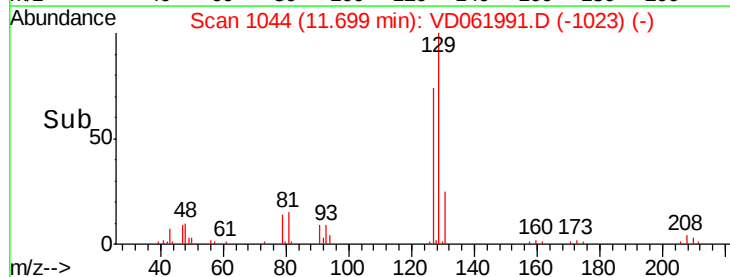
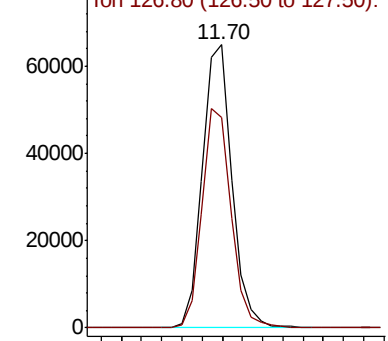


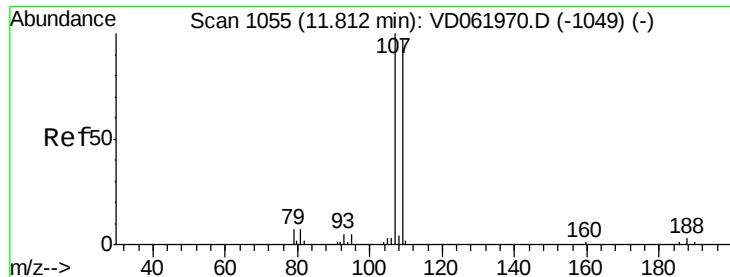
#60
Dibromochloromethane
Concen: 21.303 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 129 Resp: 131828
Ion Ratio Lower Upper
129 100
127 74.3 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 21.084 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

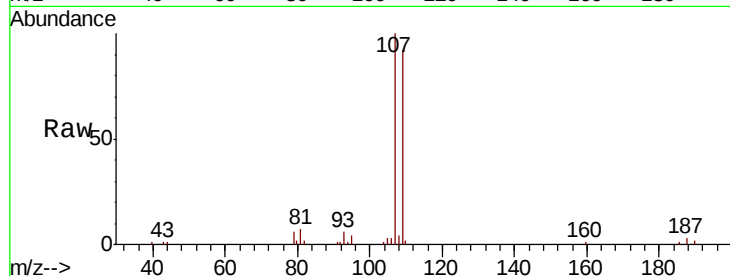
VD0424SBS01

Tgt Ion: 107 Resp: 93543

Ion Ratio Lower Upper

107 100

109 92.1 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.82

60000

50000

40000

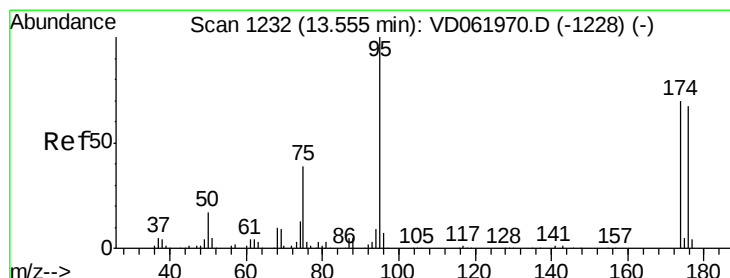
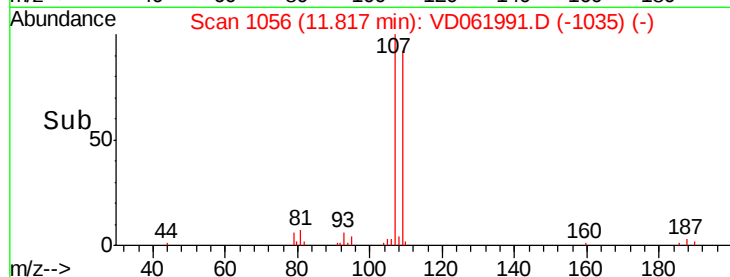
30000

20000

10000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 21.084 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

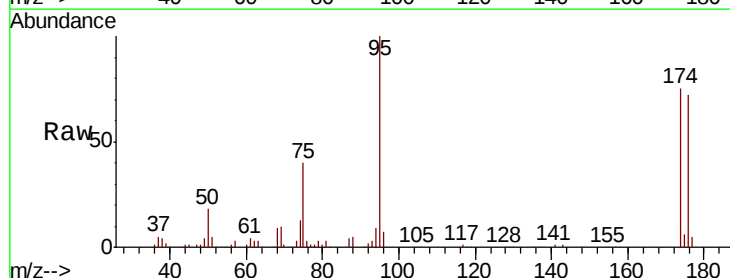
Tgt Ion: 95 Resp: 331651

Ion Ratio Lower Upper

95 100

174 75.3 0.0 181.8

176 72.0 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

300000

250000

200000

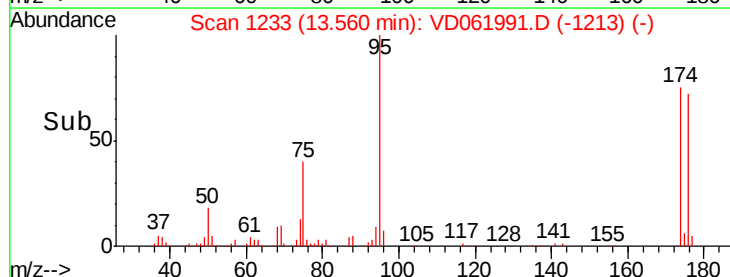
150000

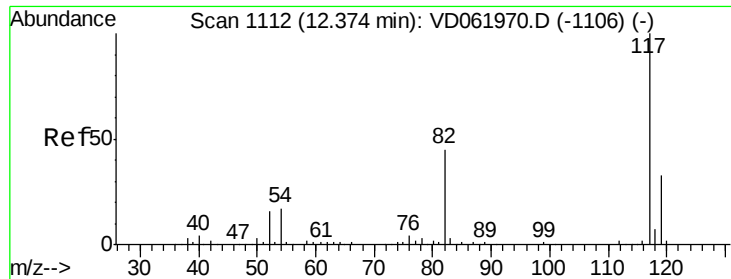
100000

50000

0

Time--> 13.50 13.60

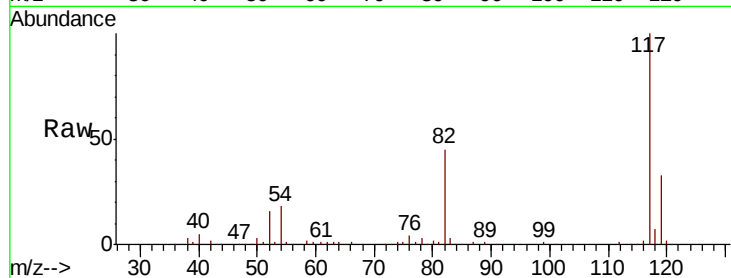




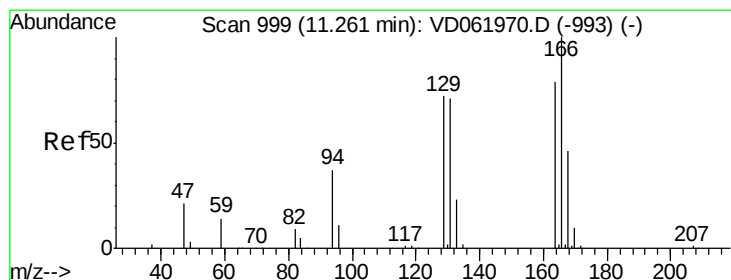
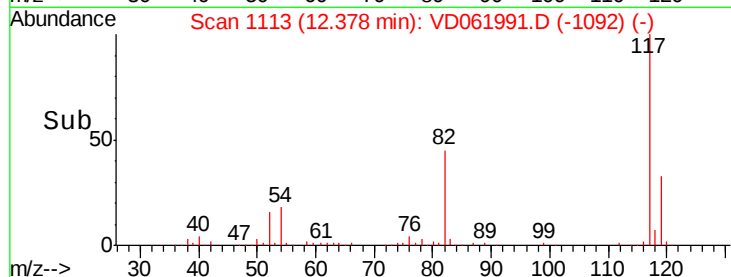
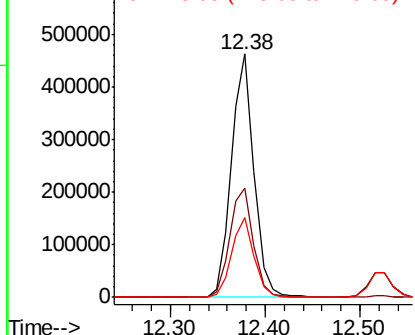
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tgt Ion:117 Resp: 762575
Ion Ratio Lower Upper
117 100
82 45.1 36.2 54.2
119 32.8 26.2 39.4

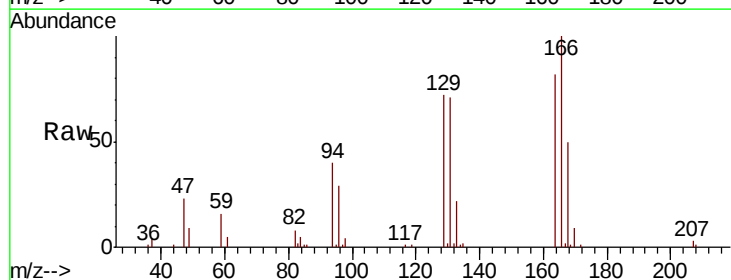


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

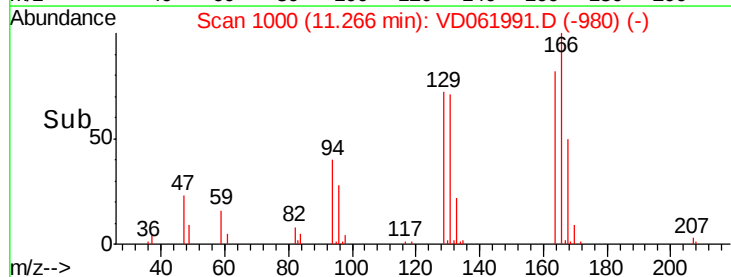
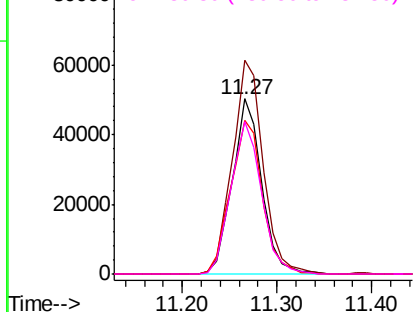


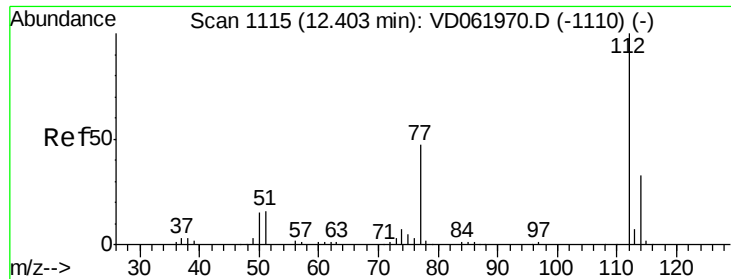
#64
Tetrachloroethene
Concen: 19.802 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion:164 Resp: 107723
Ion Ratio Lower Upper
164 100
166 122.1 101.5 152.3
129 88.0 74.6 112.0
131 86.8 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

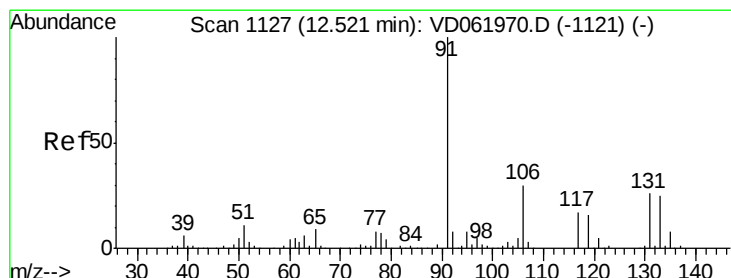
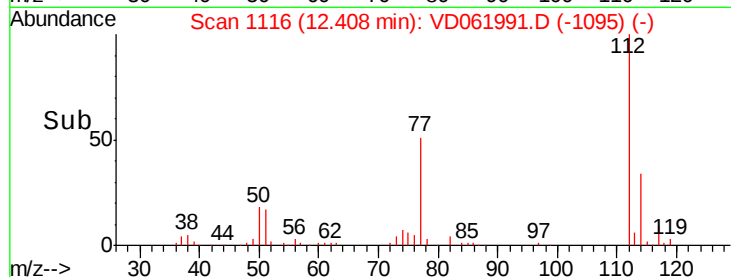
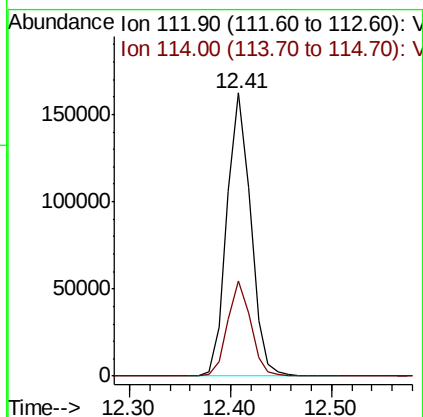
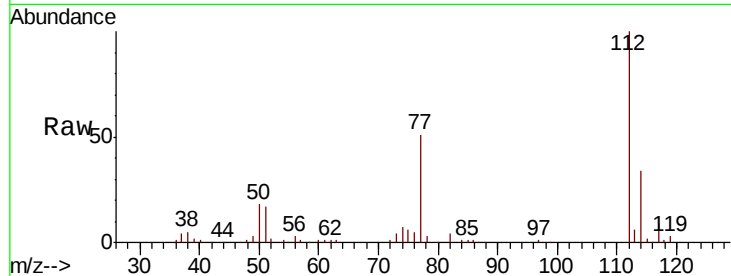




#65
Chlorobenzene
Concen: 18.500 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

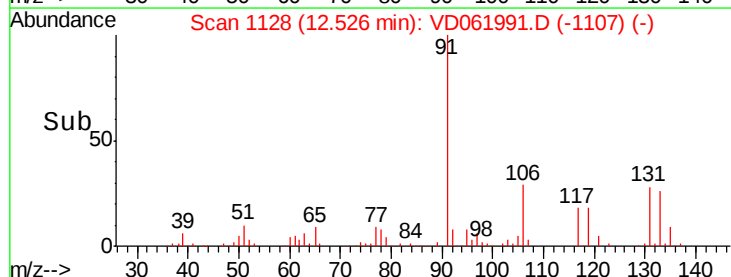
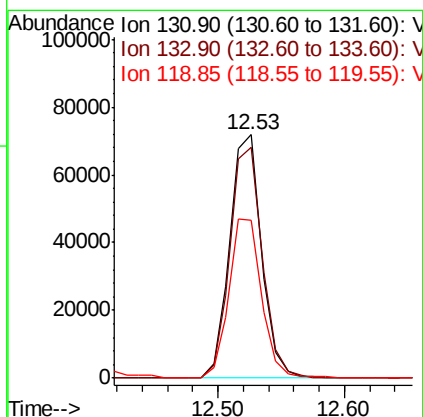
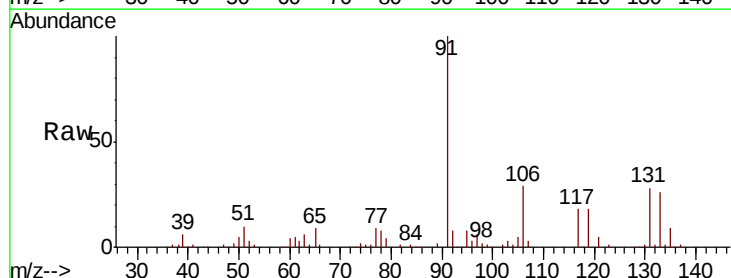
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tgt Ion:112 Resp: 266581
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.406 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion:131 Resp: 124731
Ion Ratio Lower Upper
131 100
133 94.8 48.6 145.8
119 65.0 34.7 104.1

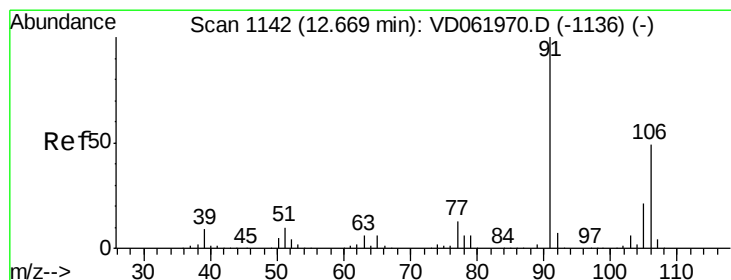
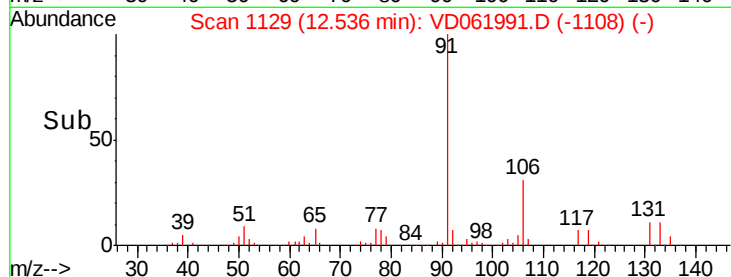
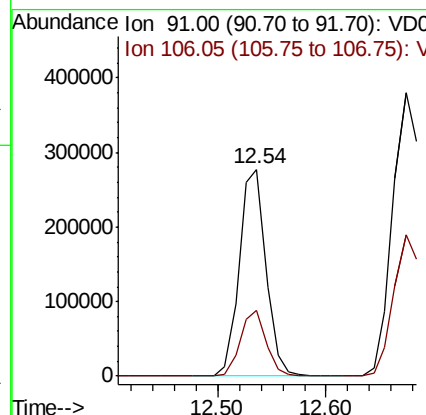
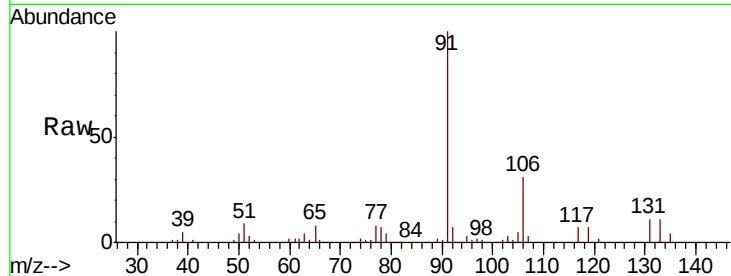




#67
Ethyl Benzene
Concen: 20.210 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

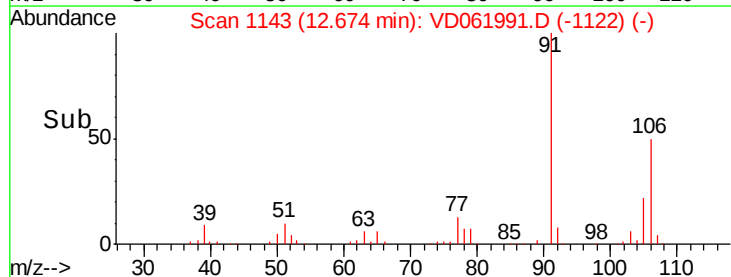
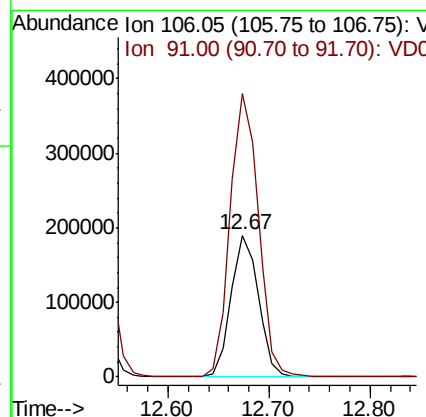
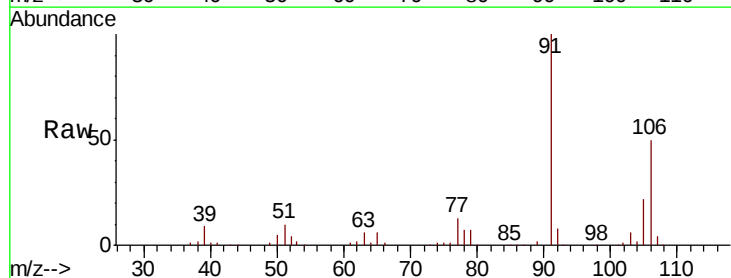
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tgt Ion: 91 Resp: 475327
Ion Ratio Lower Upper
91 100
106 31.5 24.7 37.1



#68
m/p-Xylenes
Concen: 42.223 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 106 Resp: 358919
Ion Ratio Lower Upper
106 100
91 200.0 164.0 246.0

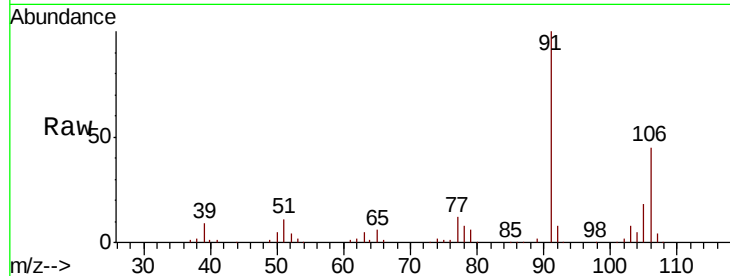




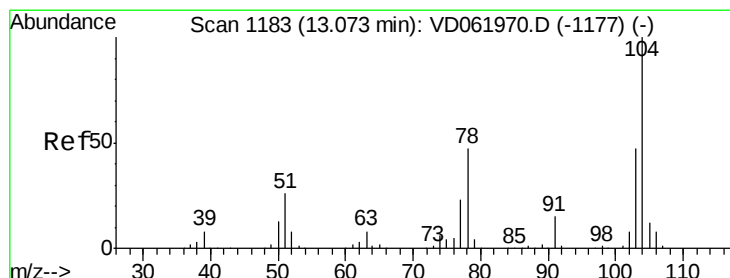
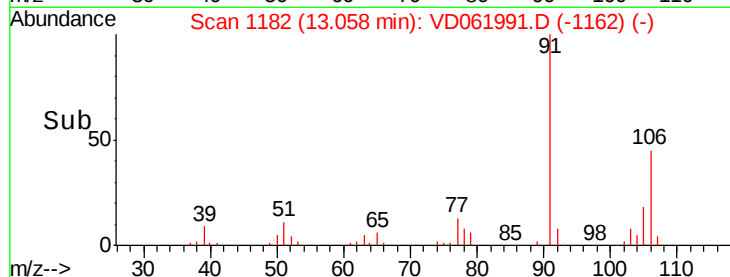
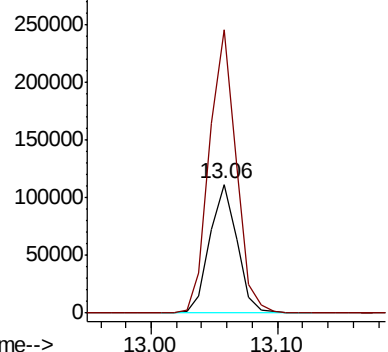
#69
o-Xylene
Concen: 21.389 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tgt Ion:106 Resp: 166358
Ion Ratio Lower Upper
106 100
91 220.1 106.7 319.9

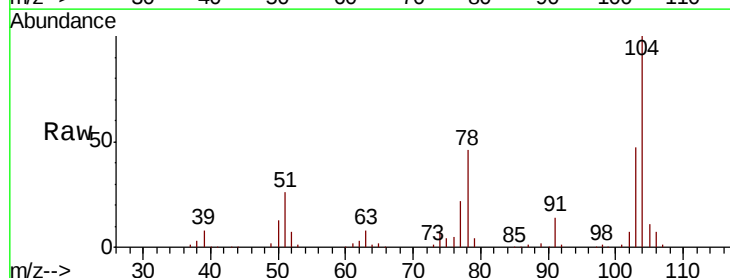


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

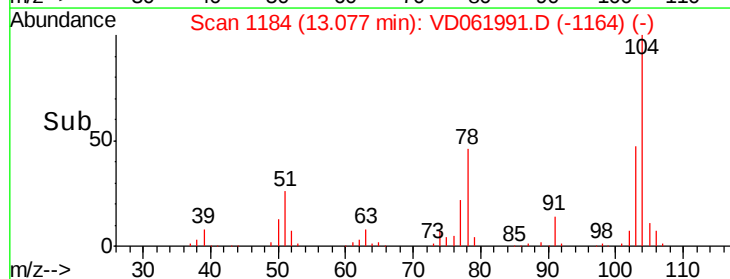
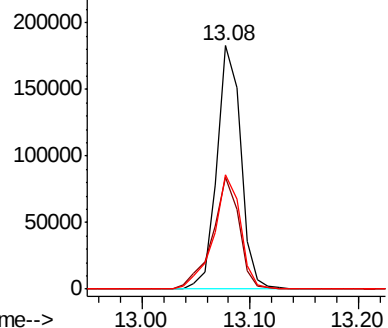


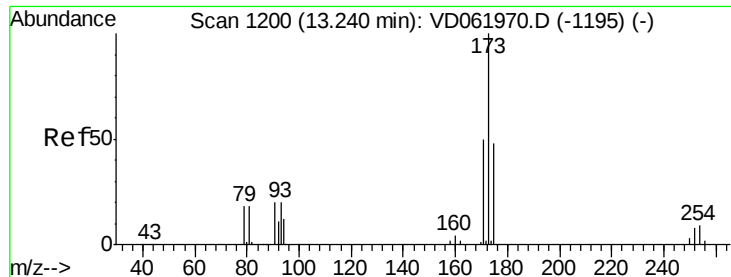
#70
Styrene
Concen: 21.015 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion:104 Resp: 282226
Ion Ratio Lower Upper
104 100
78 45.7 35.4 53.2
103 47.1 37.5 56.3



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





#71

Bromoform

Concen: 19.492 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

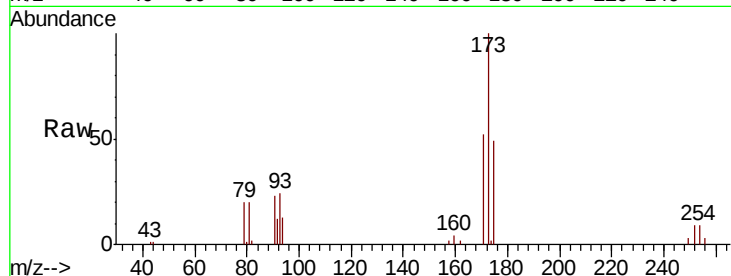
Tgt Ion:173 Resp: 67926

Ion Ratio Lower Upper

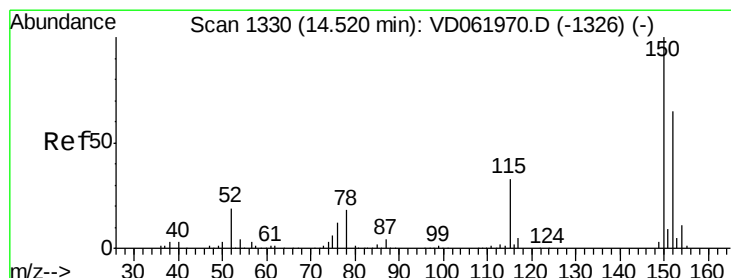
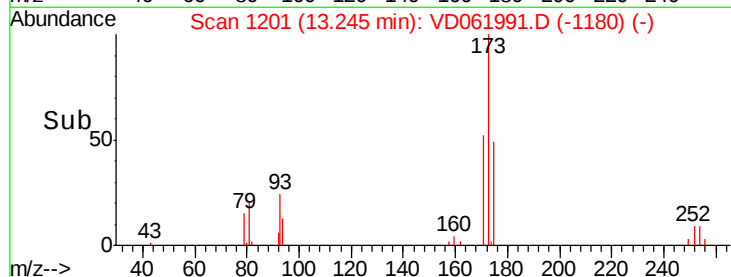
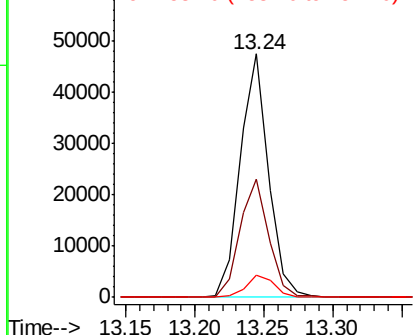
173 100

175 48.8 24.4 73.4

254 8.9 5.4 8.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

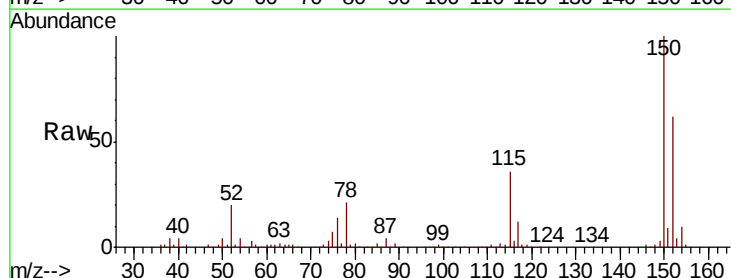
Tgt Ion:152 Resp: 343305

Ion Ratio Lower Upper

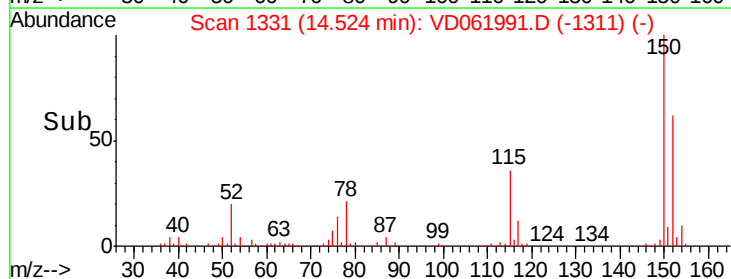
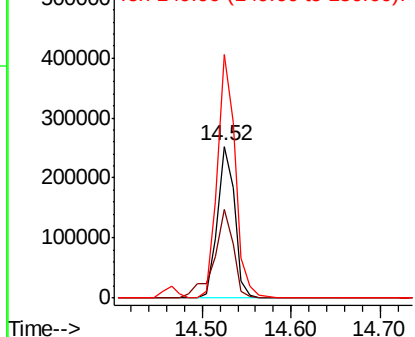
152 100

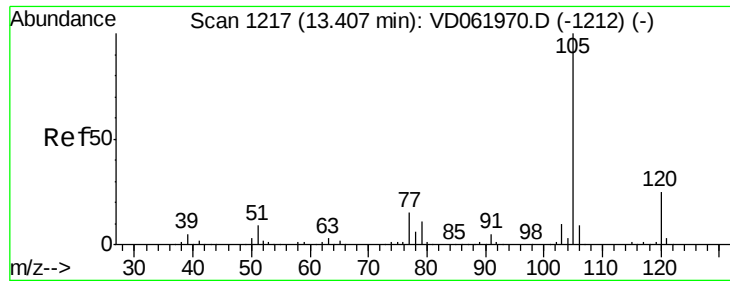
115 58.4 30.9 92.7

150 160.4 0.0 314.8



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





#73

Isopropylbenzene

Concen: 21.032 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

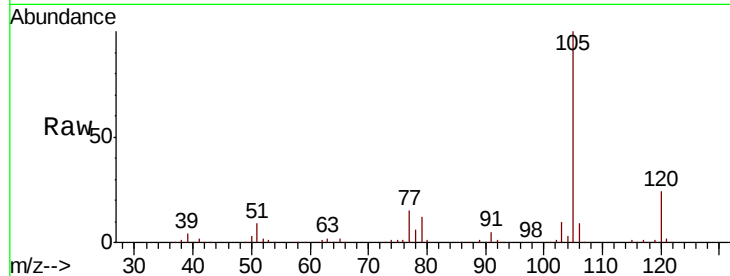
VD0424SBS01

Tgt Ion: 105 Resp: 481648

Ion Ratio Lower Upper

105 100

120 24.2 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

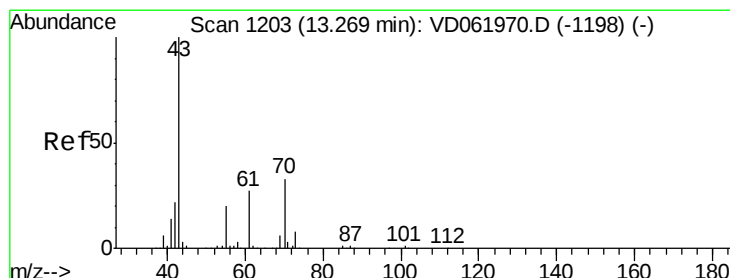
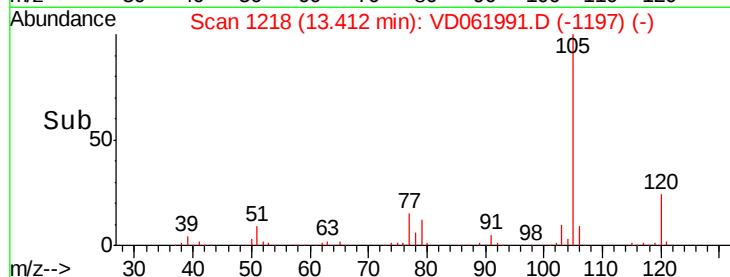
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-amyI acetate

Concen: 19.288 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Tgt Ion: 43 Resp: 113757

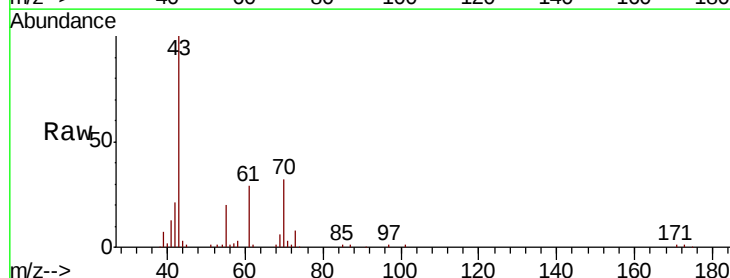
Ion Ratio Lower Upper

43 100

70 32.1 24.2 36.4

55 19.7 16.0 24.0

61 28.6 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

120000

100000

80000

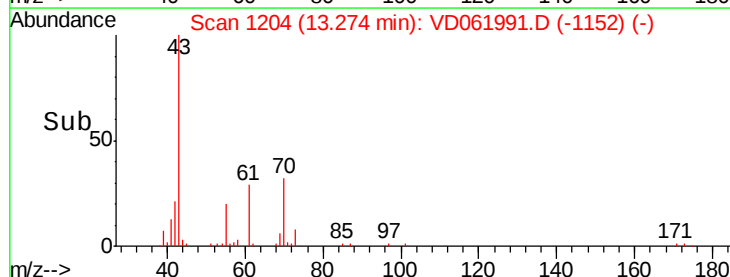
60000

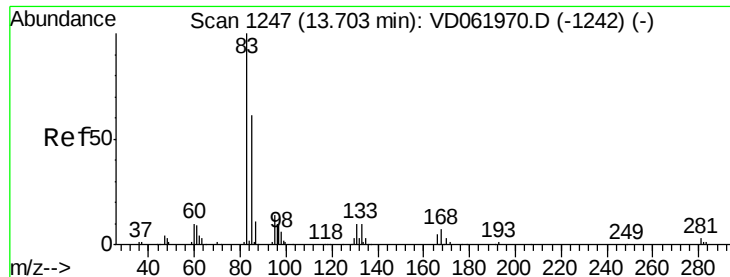
40000

20000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 20.799 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061991.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

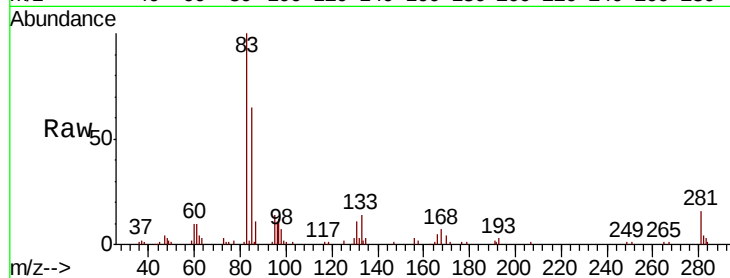
Tgt Ion: 83 Resp: 93342

Ion Ratio Lower Upper

83 100

131 11.1 5.0 14.9

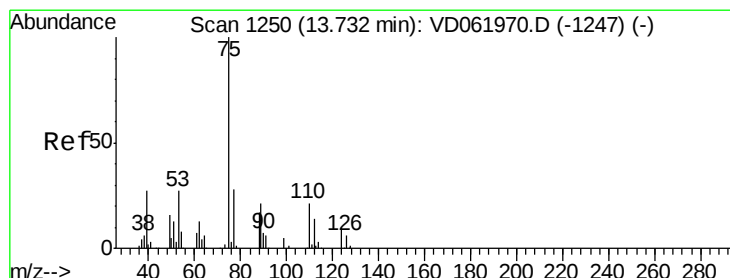
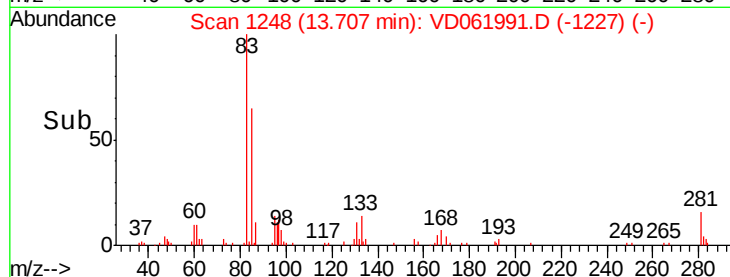
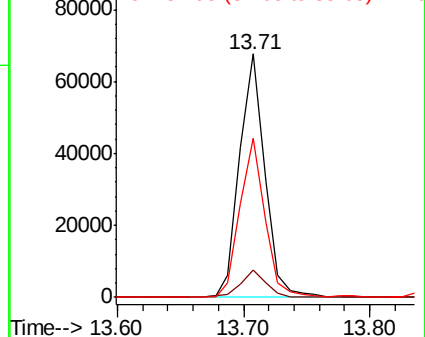
85 65.3 32.6 97.7



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: 19.618 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061991.D

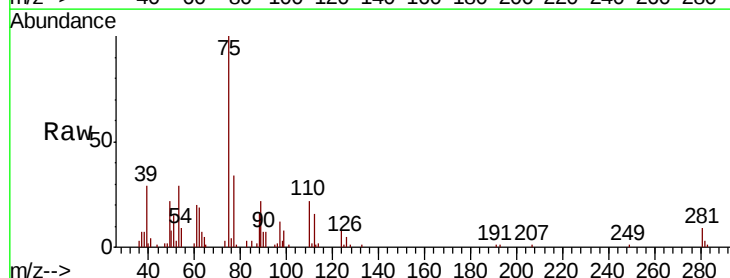
Acq: 24 Apr 2019 12:04

Tgt Ion: 75 Resp: 85524

Ion Ratio Lower Upper

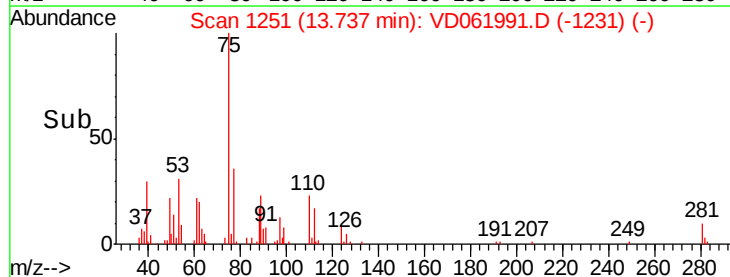
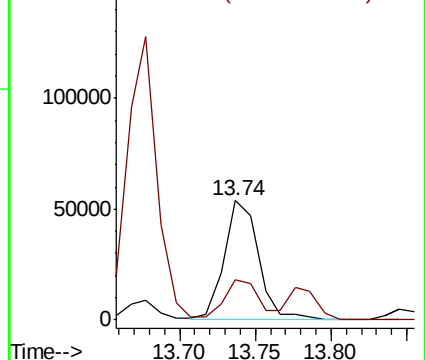
75 100

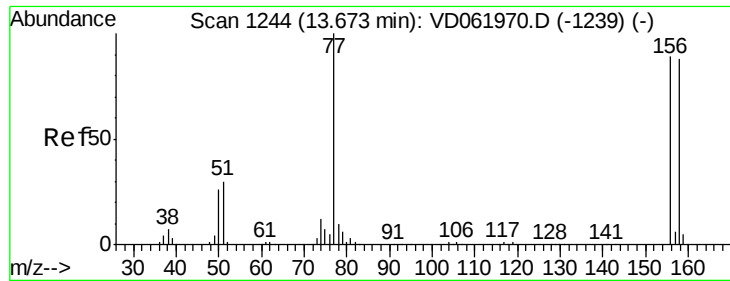
77 34.1 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

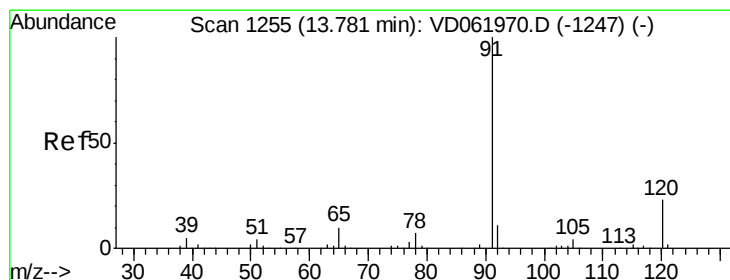
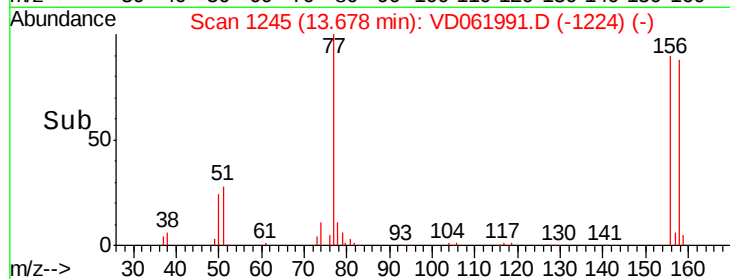
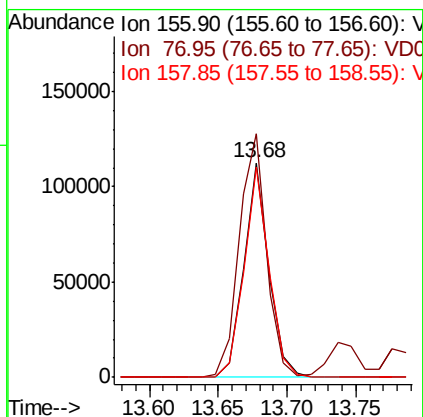
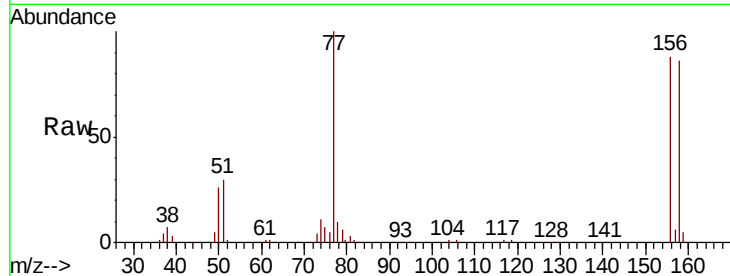




#77
Bromobenzene
Concen: 21.619 ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

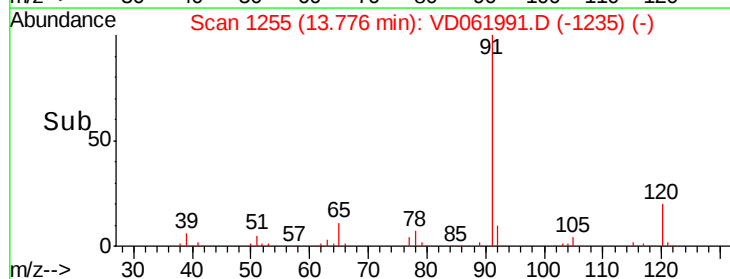
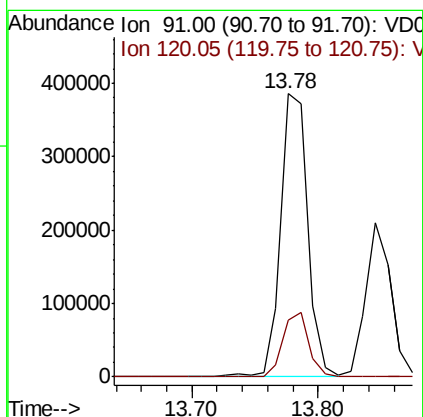
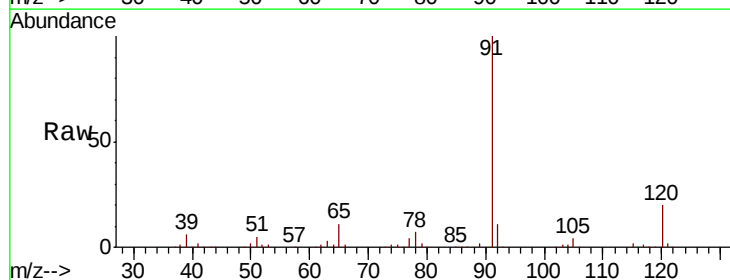
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tgt Ion: 156 Resp: 142028
Ion Ratio Lower Upper
156 100
77 113.6 53.1 159.4
158 97.8 49.4 148.0



#78
n-propylbenzene
Concen: 21.993 ug/l
RT: 13.78 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 91 Resp: 576556
Ion Ratio Lower Upper
91 100
120 20.1 11.1 33.1

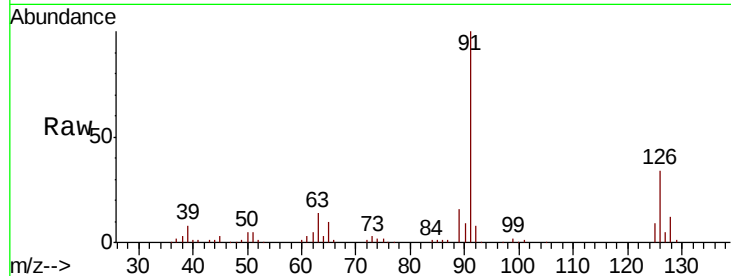




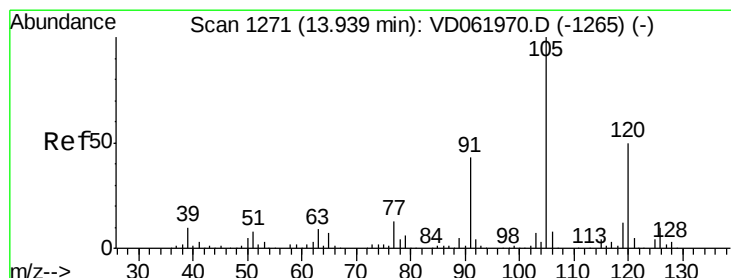
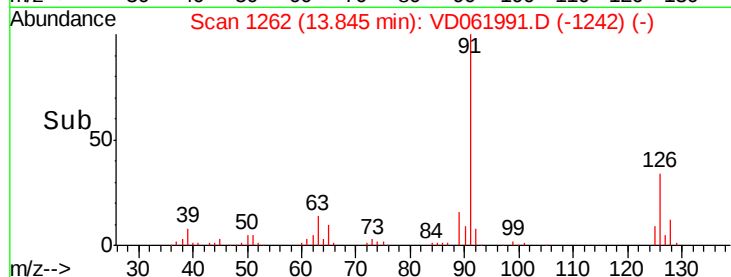
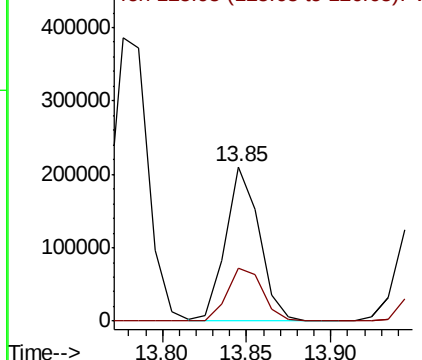
#79
 2-Chlorotoluene
 Concen: 18.387 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tgt Ion: 91 Resp: 291980
 Ion Ratio Lower Upper
 91 100
 126 34.5 18.6 55.8

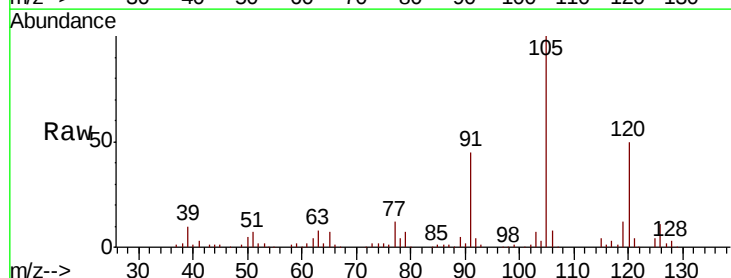


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

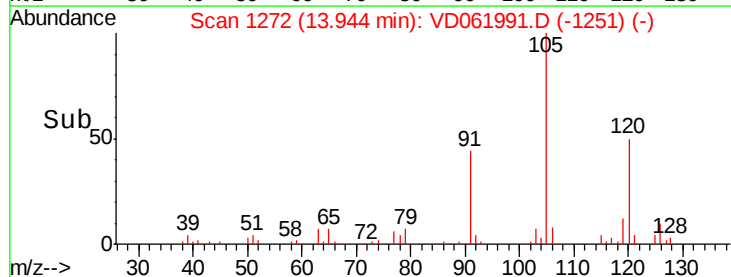
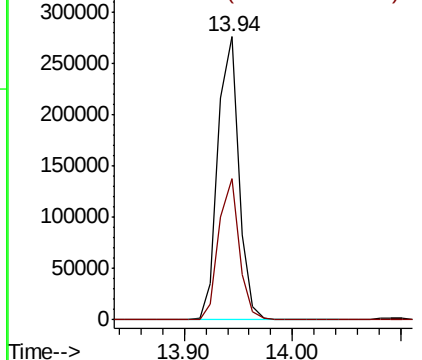


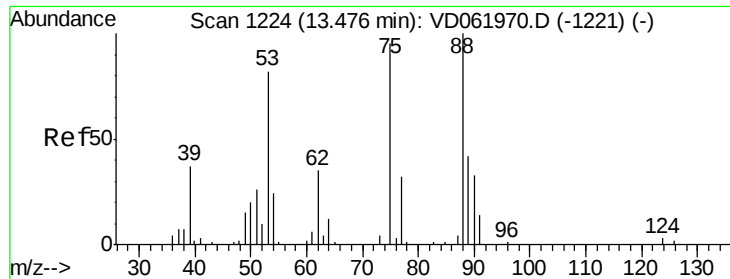
#80
 1,3,5-Trimethylbenzene
 Concen: 20.349 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion: 105 Resp: 371579
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.0 72.0



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

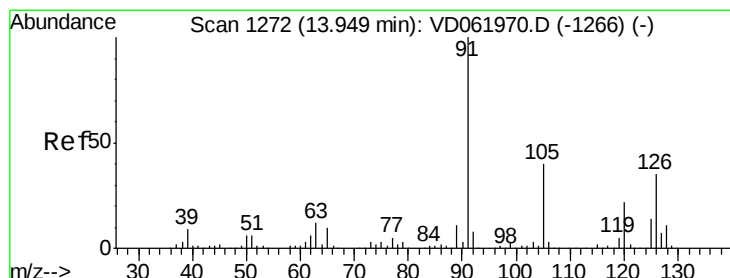
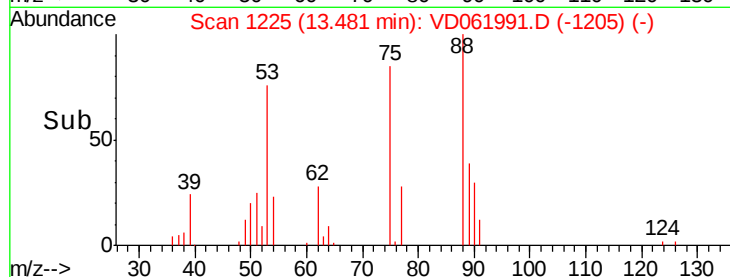
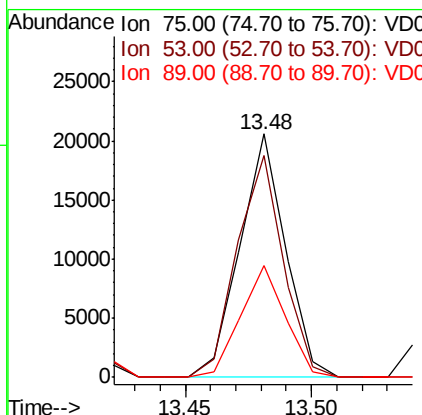
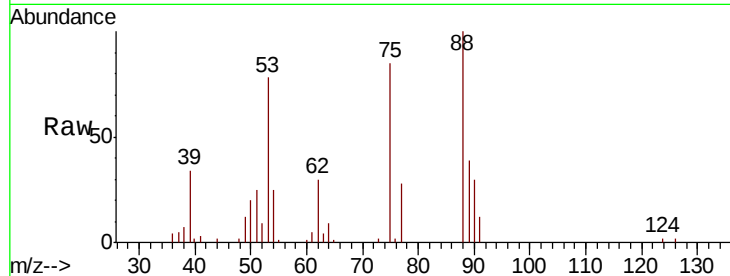




#81
trans-1,4-Dichloro-2-butene
Concen: 19.610 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

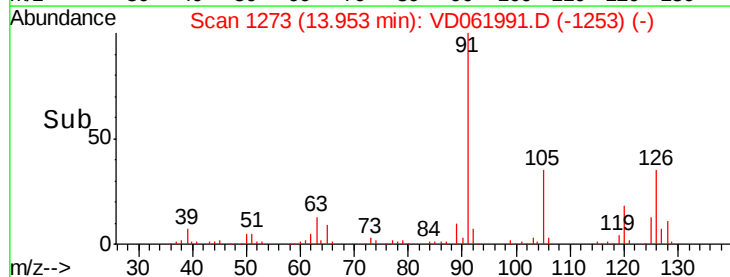
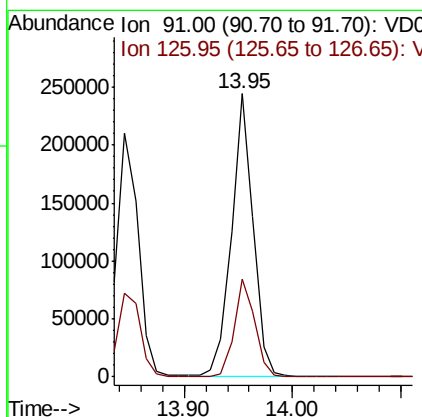
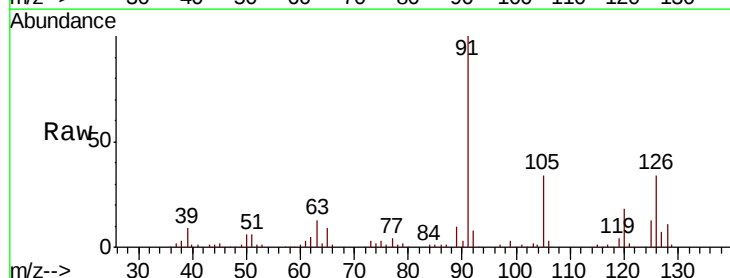
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tgt Ion: 75 Resp: 25907
Ion Ratio Lower Upper
75 100
53 91.3 65.8 98.8
89 45.9 35.0 52.6



#82
4-Chlorotoluene
Concen: 19.591 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 91 Resp: 342609
Ion Ratio Lower Upper
91 100
126 34.4 19.1 57.5

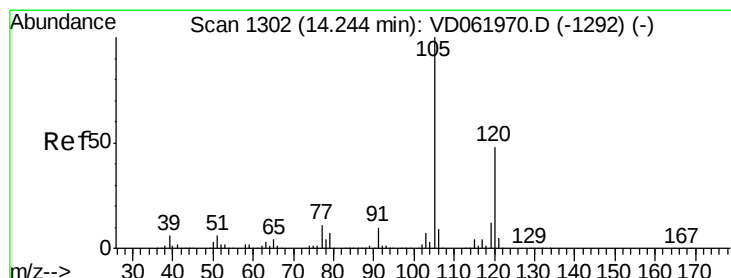
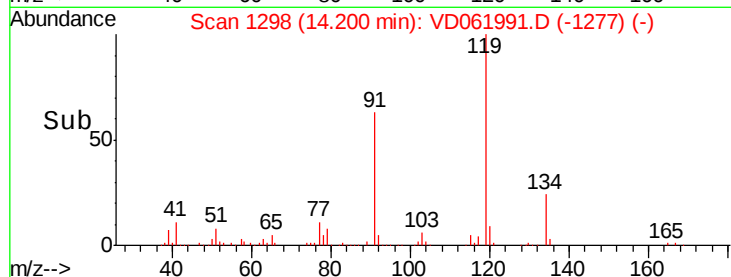
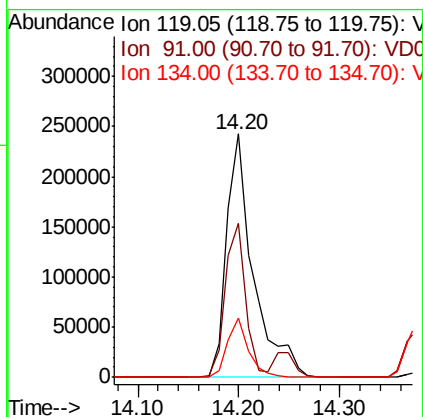
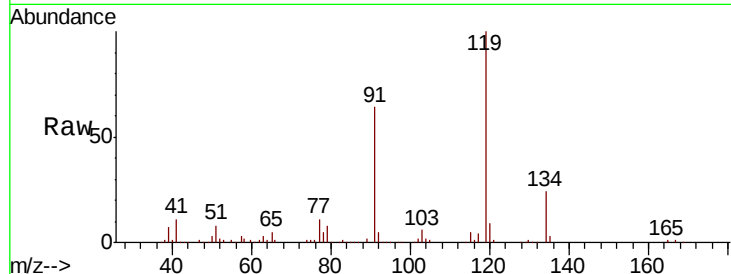




#83
 tert-Butylbenzene
 Concen: 21.136 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

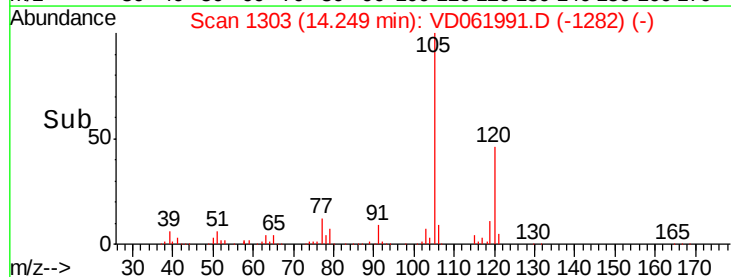
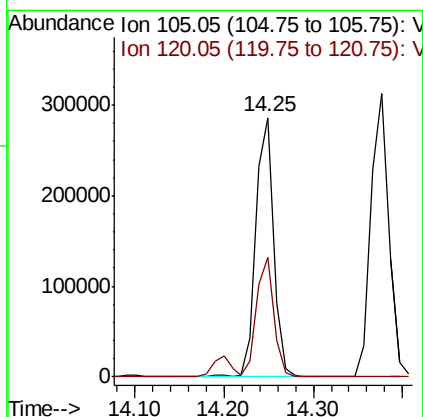
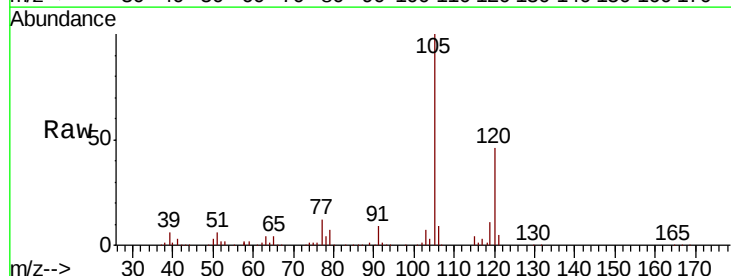
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

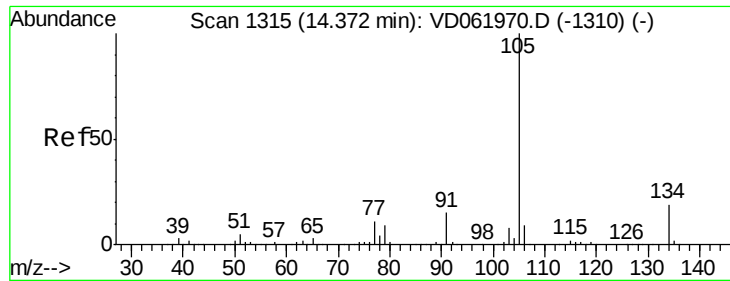
Tgt Ion:119 Resp: 447095
 Ion Ratio Lower Upper
 119 100
 91 63.5 34.2 102.6
 134 24.4 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 22.424 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion:105 Resp: 390980
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.1 69.2

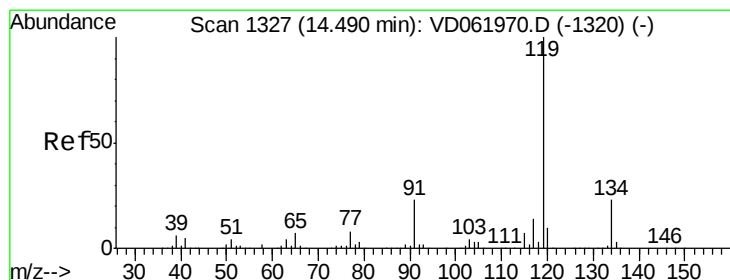
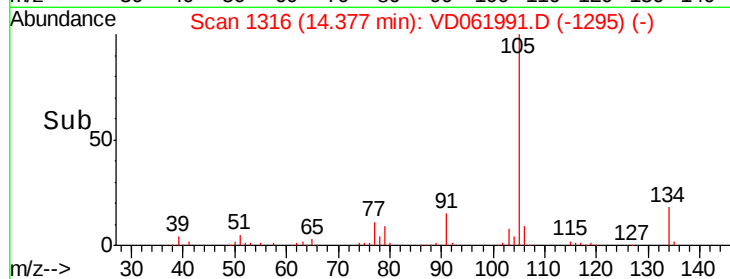
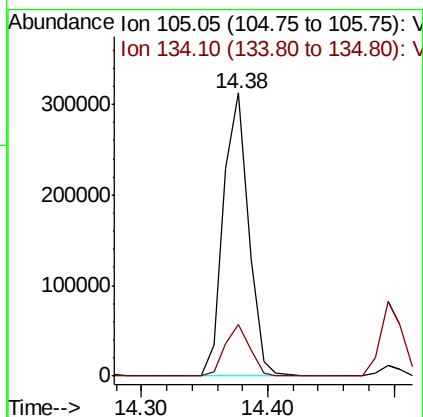
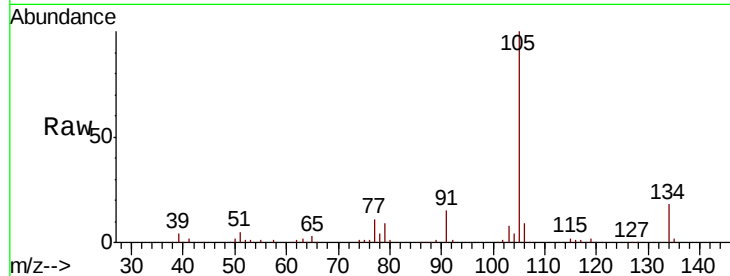




#85
 sec-Butylbenzene
 Concen: 18.859 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

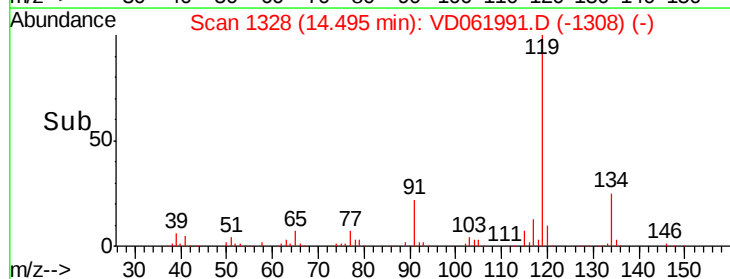
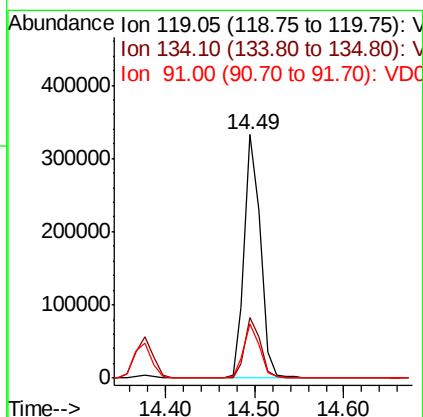
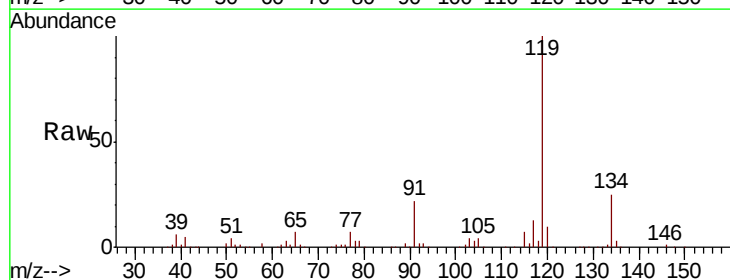
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tgt Ion:105 Resp: 431058
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 20.538 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion:119 Resp: 420129
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.8 38.3
 91 22.3 10.7 32.1

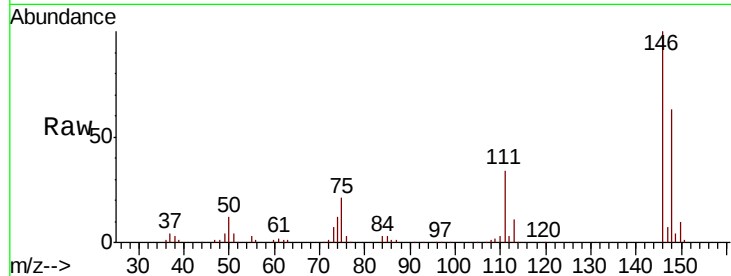




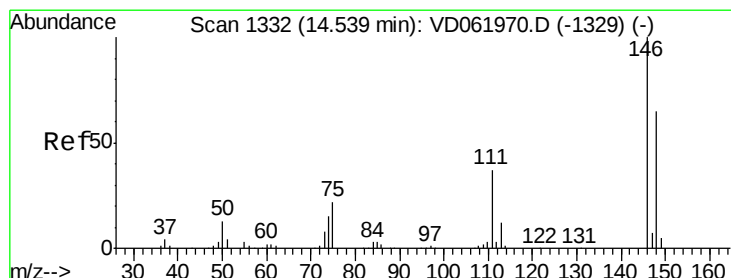
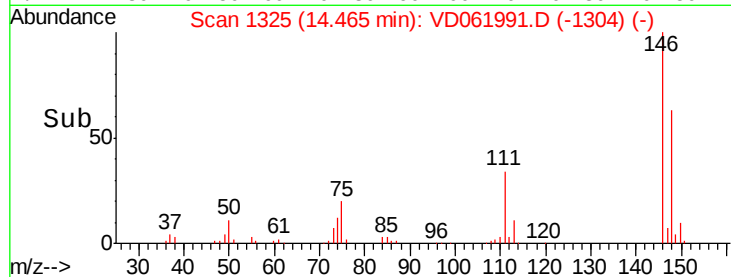
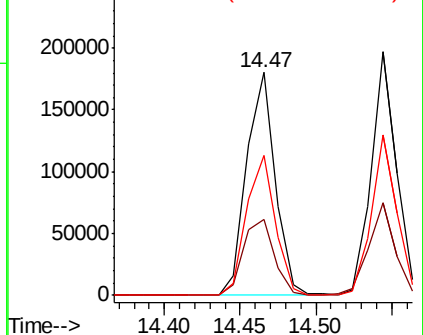
#87
 1,3-Dichlorobenzene
 Concen: 20.702 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tgt Ion:146 Resp: 238164
 Ion Ratio Lower Upper
 146 100
 111 34.3 20.0 60.0
 148 62.8 31.8 95.4

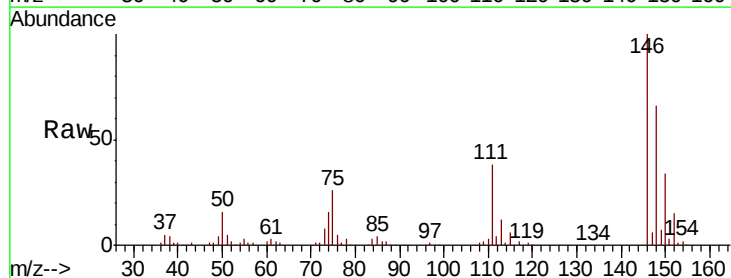


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

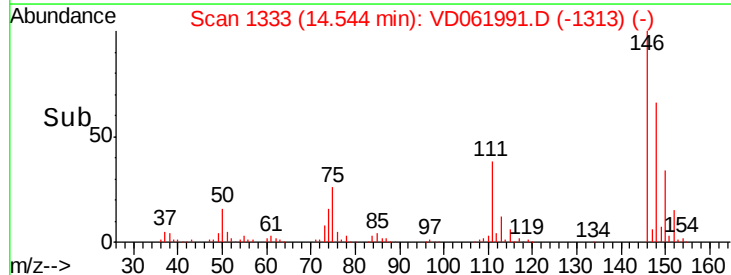
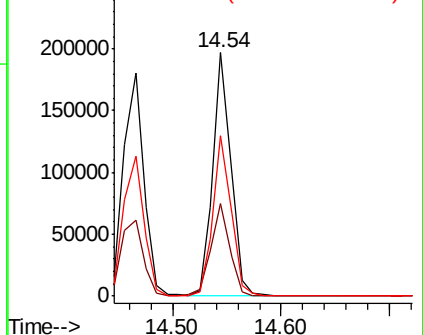


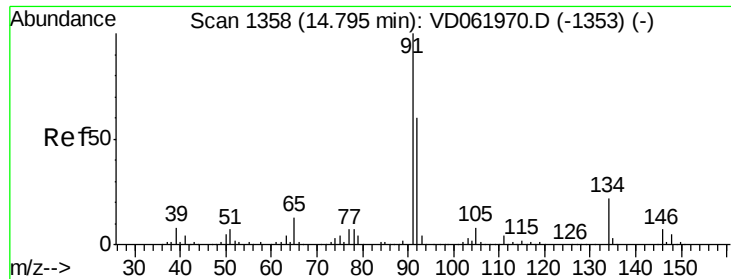
#88
 1,4-Dichlorobenzene
 Concen: 21.457 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion:146 Resp: 230856
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.2 60.5
 148 65.8 32.0 96.2



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

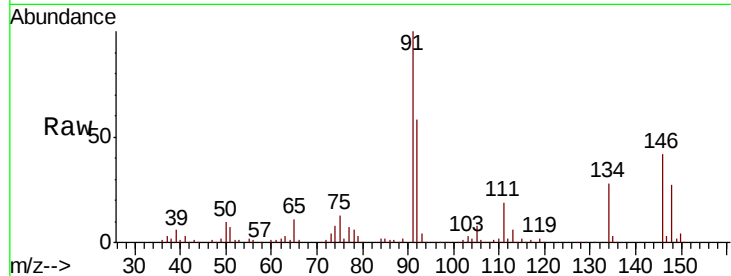




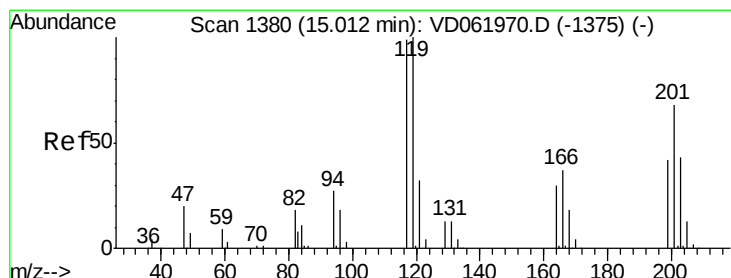
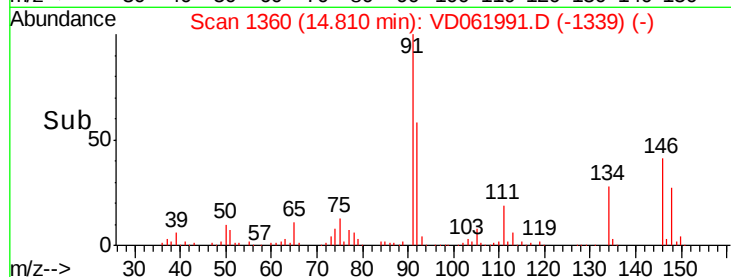
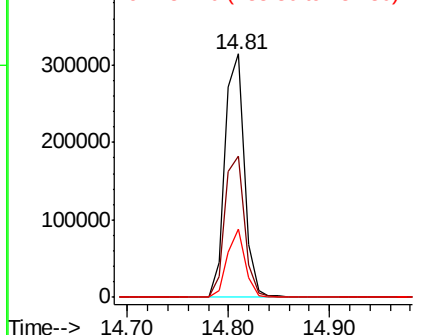
#89
n-Butylbenzene
Concen: 23.063 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tgt Ion: 91 Resp: 423554
Ion Ratio Lower Upper
91 100
92 57.9 30.3 91.0
134 27.8 14.5 43.6

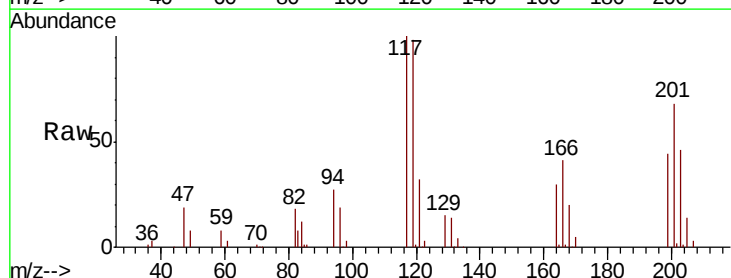


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

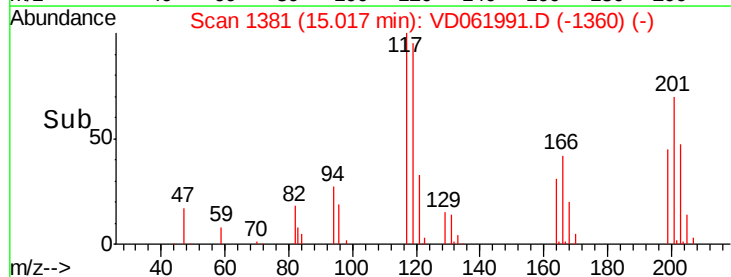
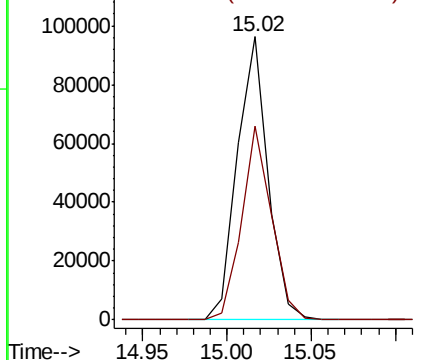


#90
Hexachloroethane
Concen: 22.028 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 117 Resp: 121847
Ion Ratio Lower Upper
117 100
201 68.4 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

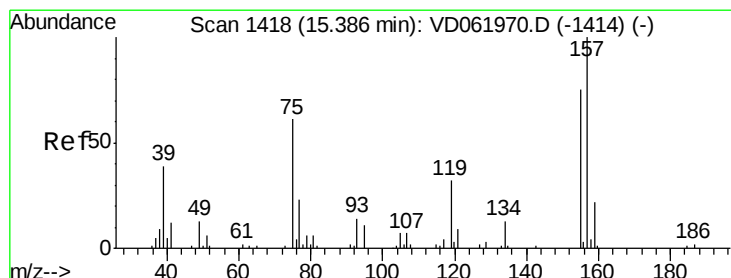
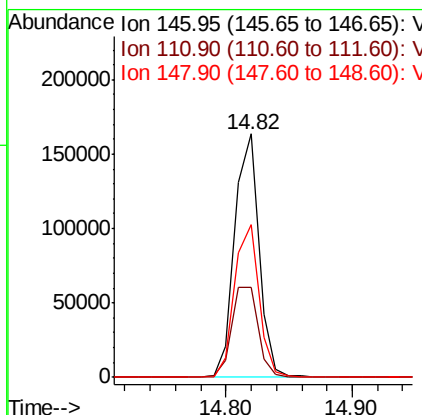
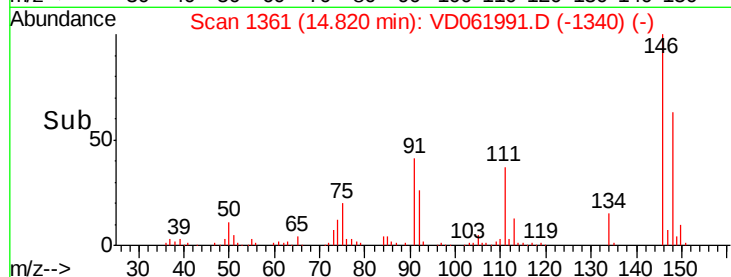
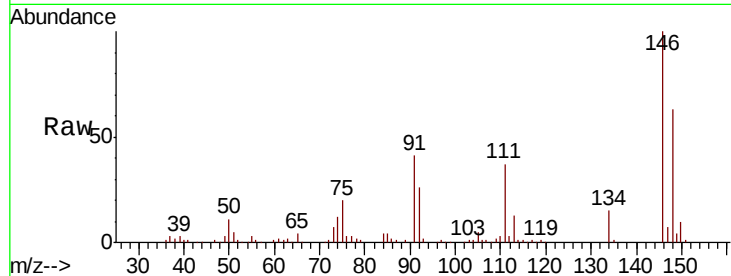




#91
 1,2-Dichlorobenzene
 Concen: 22.877 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

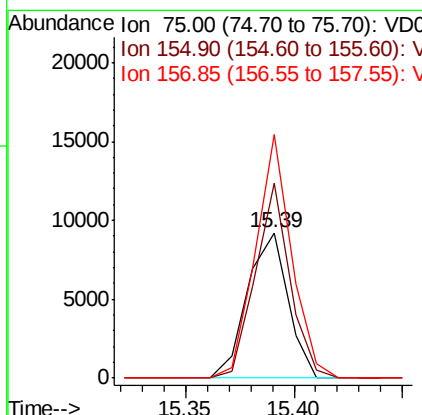
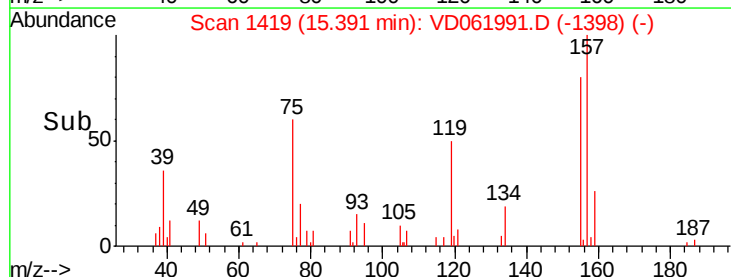
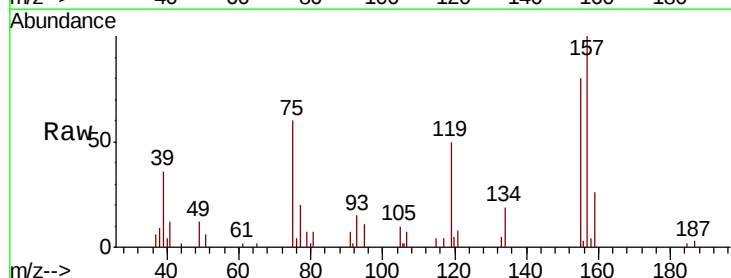
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

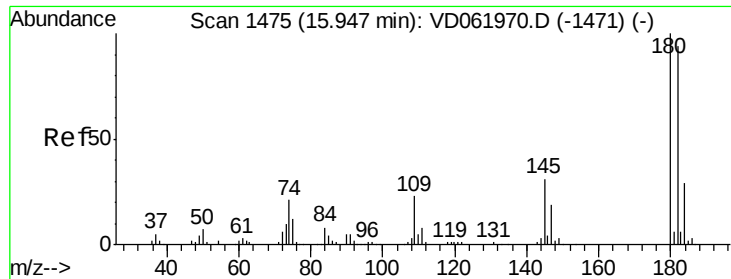
Tgt Ion: 146 Resp: 217096
 Ion Ratio Lower Upper
 146 100
 111 36.8 20.0 59.9
 148 62.9 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.718 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion: 75 Resp: 11956
 Ion Ratio Lower Upper
 75 100
 155 134.4 55.3 165.8
 157 167.7 67.8 203.2

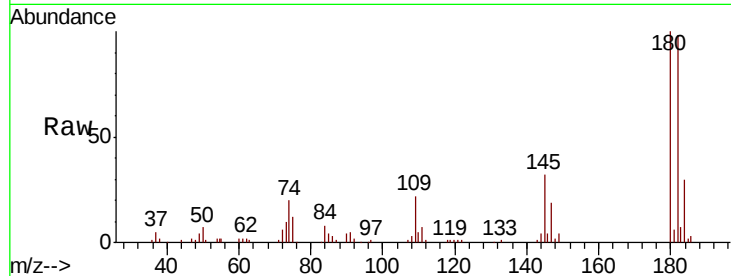




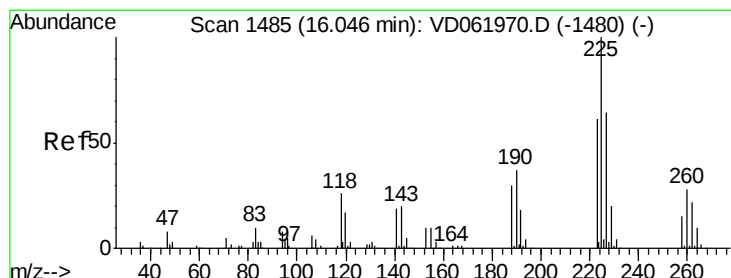
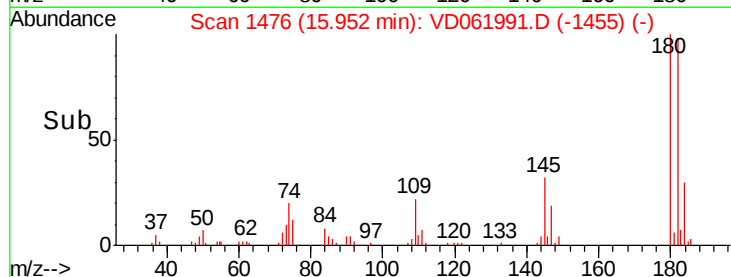
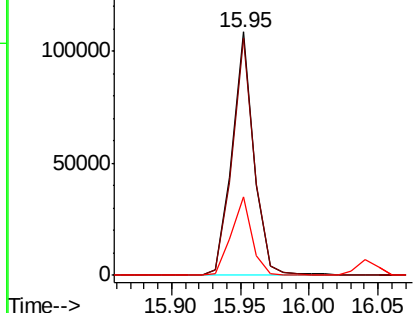
#93
 1,2,4-Trichlorobenzene
 Concen: 23.371 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0424SBS01

Tgt Ion:180 Resp: 119669
 Ion Ratio Lower Upper
 180 100
 182 97.5 49.3 147.8
 145 32.4 16.2 48.6

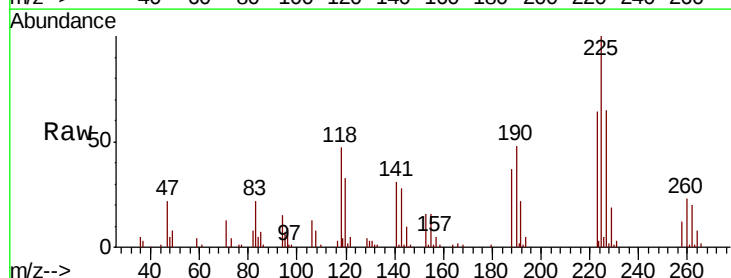


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

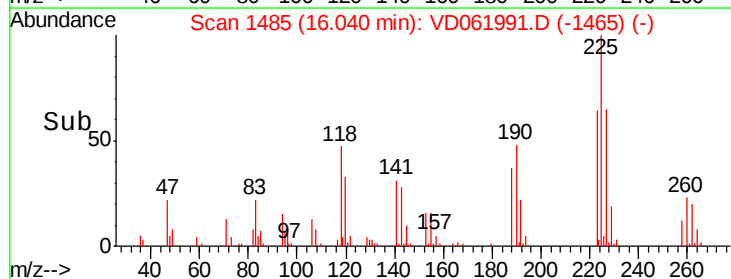
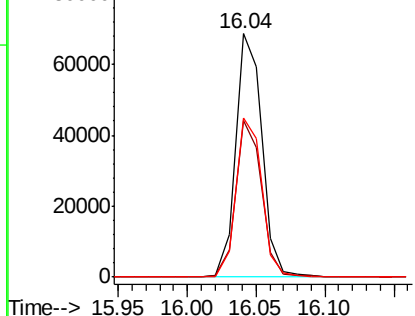


#94
 Hexachlorobutadiene
 Concen: 24.089 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061991.D
 Acq: 24 Apr 2019 12:04

Tgt Ion:225 Resp: 91279
 Ion Ratio Lower Upper
 225 100
 223 64.1 30.6 92.0
 227 65.2 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

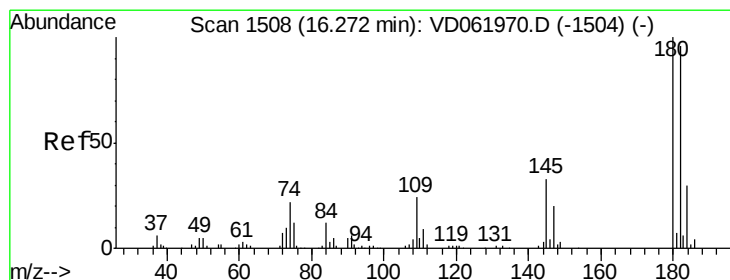
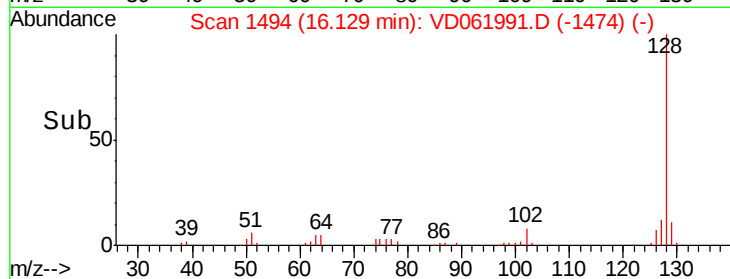
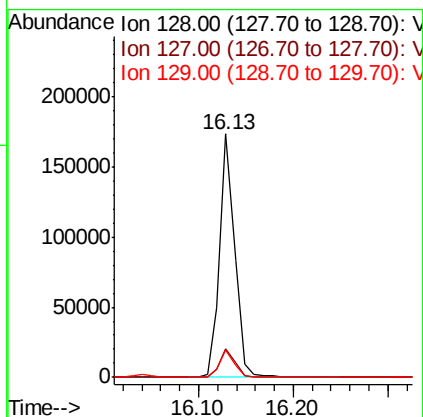
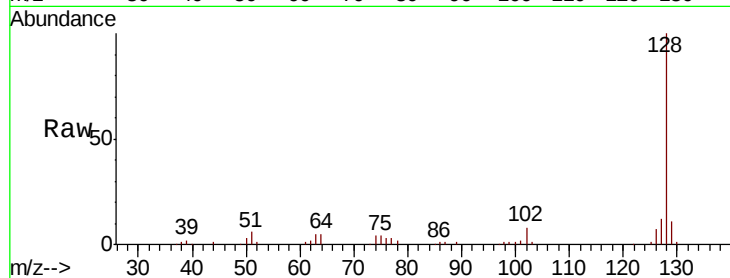




#95
Naphthalene
Concen: 23.232 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

Tgt Ion:128 Resp: 192071
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.8
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.277 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061991.D
Acq: 24 Apr 2019 12:04

Tgt Ion:180 Resp: 76341
Ion Ratio Lower Upper
180 100
182 94.0 47.0 141.0
145 31.4 17.0 51.0

