

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD042419\
 Data File : VD061992.D
 Acq On : 24 Apr 2019 12:32
 Operator : VA/AP
 Sample : VD0424SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Quant Time: Apr 24 12:55:34 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	618587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	971186	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	713606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	393279	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	252731	52.20	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.40%	
35) Dibromofluoromethane	6.94	113	367349	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	10.42	98	827644	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	13.56	95	342220	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	90626	16.407	ug/l	97
3) Chloromethane	1.76	50	74641	15.899	ug/l	91
4) Vinyl Chloride	1.86	62	66385	15.602	ug/l	99
5) Bromomethane	2.15	94	19438	14.888	ug/l	93
6) Chloroethane	2.26	64	20996	13.651	ug/l	99
7) Trichlorofluoromethane	2.53	101	117756	18.303	ug/l	97
8) Diethyl Ether	2.88	74	34016	19.727	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.16	101	107399	18.122	ug/l	97
10) Methyl Iodide	3.31	142	124519	17.722	ug/l	100
11) Tert butyl alcohol	4.08	59	28296	103.443	ug/l	99
12) 1,1-Dichloroethene	3.14	96	87120	17.278	ug/l	97
13) Acrolein	3.04	56	28946	101.988	ug/l	92
14) Allyl chloride	3.63	41	130665	18.978	ug/l	97
15) Acrylonitrile	4.20	53	88447	104.420	ug/l	98
16) Acetone	3.22	43	108959	94.256	ug/l	92
17) Carbon Disulfide	3.38	76	252957	17.361	ug/l	98
18) Methyl Acetate	3.65	43	47466	21.404	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	191353	19.127	ug/l	97
20) Methylene Chloride	3.82	84	128433	20.970	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	109689	18.963	ug/l	96
22) Diisopropyl ether	5.13	45	311418	19.373	ug/l	98
23) Vinyl Acetate	5.07	43	866665	103.530	ug/l	97
24) 1,1-Dichloroethane	5.00	63	186066	19.151	ug/l	99
25) 2-Butanone	6.08	43	138422	98.764	ug/l	99
26) 2,2-Dichloropropane	6.03	77	154270	18.201	ug/l	94
27) cis-1,2-Dichloroethene	6.05	96	117457	17.850	ug/l	98
28) Bromochloromethane	6.44	49	78890	21.221	ug/l	88
29) Tetrahydrofuran	6.46	42	67244	97.374	ug/l	98
30) Chloroform	6.68	83	221811	20.100	ug/l	98
31) Cyclohexane	6.96	56	131329	18.211	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	183342	19.095	ug/l	98
36) 1,1-Dichloropropene	7.15	75	149310	19.733	ug/l	99
37) Ethyl Acetate	6.19	43	69676	21.609	ug/l #	97
38) Carbon Tetrachloride	7.12	117	191139	19.935	ug/l	97

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 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0424SBS01

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 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	141550	18.961	ug/l	97
40) Benzene	7.47	78	360198	19.229	ug/l	95
41) Methacrylonitrile	6.45	41	78274	20.806	ug/l #	93
42) 1,2-Dichloroethane	7.59	62	126479	19.886	ug/l	99
43) Isopropyl Acetate	9.25	43	88799	18.848	ug/l	97
44) Trichloroethene	8.55	130	137775	18.971	ug/l	100
45) 1,2-Dichloropropane	8.95	63	90502	19.044	ug/l	96
46) Dibromomethane	9.07	93	68501	20.033	ug/l	91
47) Bromodichloromethane	9.39	83	150990	18.688	ug/l	94
48) Methyl methacrylate	9.13	41	53739	19.992	ug/l	96
49) 1,4-Dioxane	9.09	88	12810	442.023	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	292266	101.438	ug/l	97
52) Toluene	10.52	92	223325	18.698	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	137823	20.322	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	163566	19.830	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	78807	19.653	ug/l	98
56) Ethyl methacrylate	11.05	69	92032	20.723	ug/l	96
57) 1,3-Dichloropropane	11.41	76	113081	18.259	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	240766	116.606	ug/l	96
59) 2-Hexanone	11.54	43	223690	103.496	ug/l	96
60) Dibromochloromethane	11.69	129	127426	19.206	ug/l	96
61) 1,2-Dibromoethane	11.81	107	94617	19.891	ug/l	94
64) Tetrachloroethene	11.27	164	107527	21.123	ug/l	96
65) Chlorobenzene	12.41	112	260967	19.353	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	127624	22.312	ug/l	97
67) Ethyl Benzene	12.53	91	492856	22.393	ug/l	99
68) m/p-Xylenes	12.67	106	342446	43.049	ug/l	100
69) o-Xylene	13.06	106	165424	22.728	ug/l	97
70) Styrene	13.08	104	282510	22.479	ug/l	98
71) Bromoform	13.24	173	74110	22.726	ug/l	99
73) Isopropylbenzene	13.41	105	433687	16.531	ug/l	98
74) N-amyl acetate	13.28	43	119852	17.739	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	87903	17.099	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	90321	18.086	ug/l	99
77) Bromobenzene	13.68	156	128974	17.138	ug/l	95
78) n-propylbenzene	13.78	91	520389	17.328	ug/l	99
79) 2-Chlorotoluene	13.85	91	308004	16.932	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	397570	19.006	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	24011	15.866	ug/l	89
82) 4-Chlorotoluene	13.95	91	368120	18.375	ug/l	98
83) tert-Butylbenzene	14.19	119	447352	18.461	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	389125	19.482	ug/l	97
85) sec-Butylbenzene	14.37	105	500161	19.102	ug/l	98
86) p-Isopropyltoluene	14.50	119	424138	18.099	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	234303	17.778	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	228579	18.546	ug/l	94
89) n-Butylbenzene	14.80	91	390287	18.551	ug/l	96
90) Hexachloroethane	15.01	117	109083	17.215	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	204356	18.798	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12969	18.811	ug/l	74

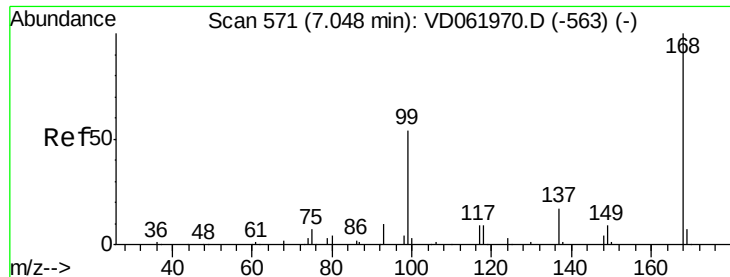
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD042419\
Data File : VD061992.D
Acq On : 24 Apr 2019 12:32
Operator : VA/AP
Sample : VD0424SBSD01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Apr 24 12:55:34 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	113150	19.290	ug/l	92
94) Hexachlorobutadiene	16.04	225	84226	19.403	ug/l	98
95) Naphthalene	16.13	128	181780	19.194	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	71644	21.527	ug/l	94

(#) = 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: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

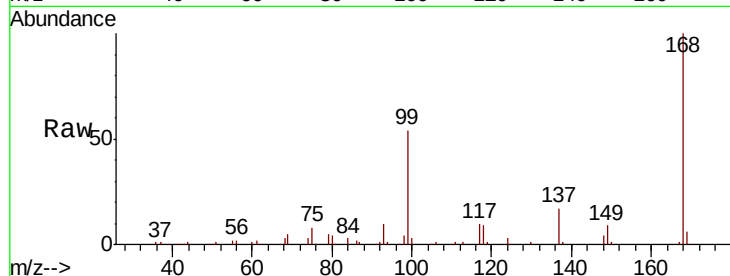
VD0424SBSD01

Tgt Ion:168 Resp: 618587

Ion Ratio Lower Upper

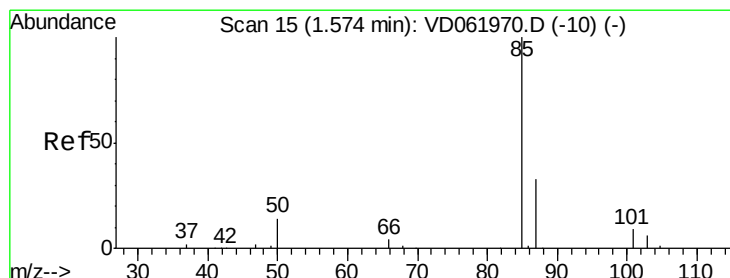
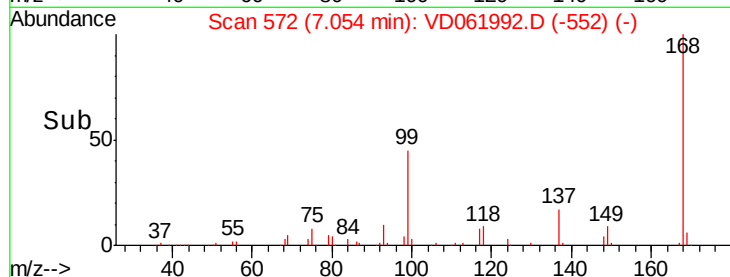
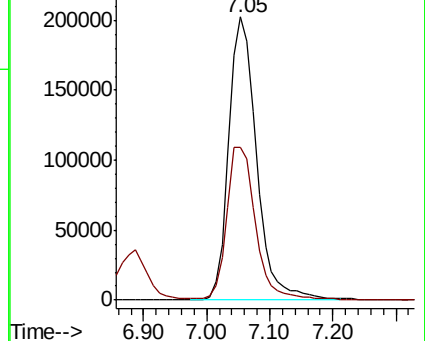
168 100

99 54.0 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: 16.407 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD061992.D

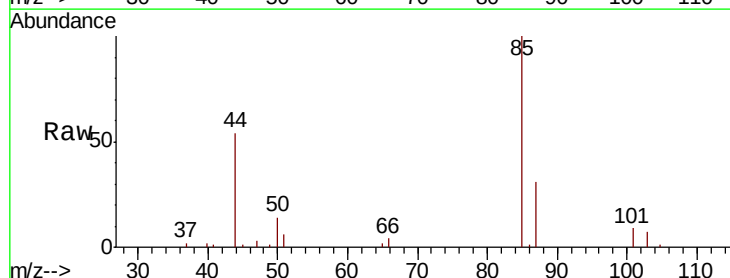
Acq: 24 Apr 2019 12:32

Tgt Ion: 85 Resp: 90626

Ion Ratio Lower Upper

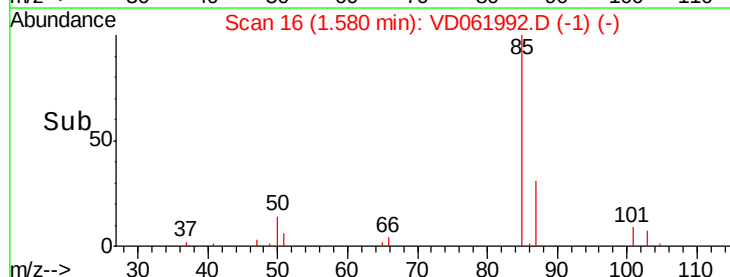
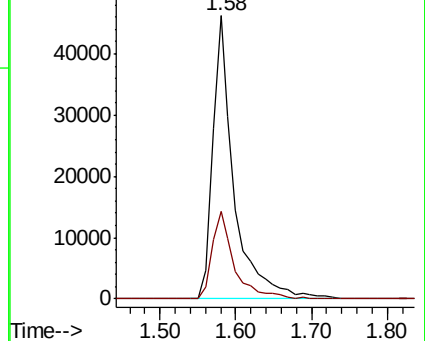
85 100

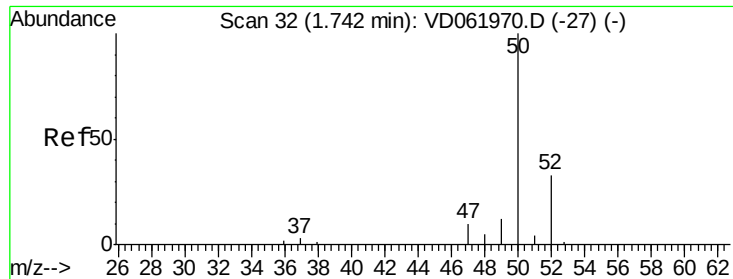
87 30.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

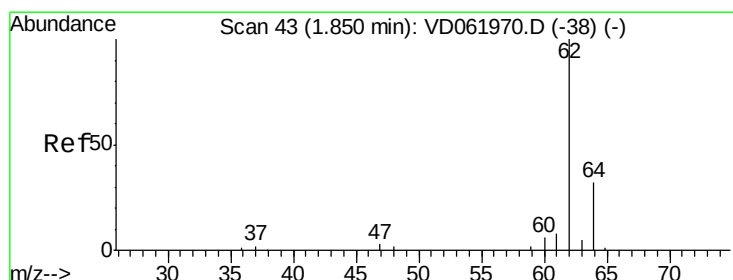
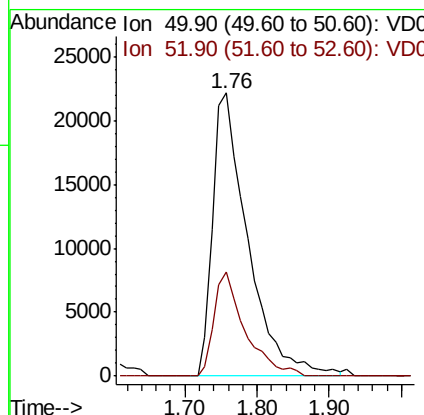
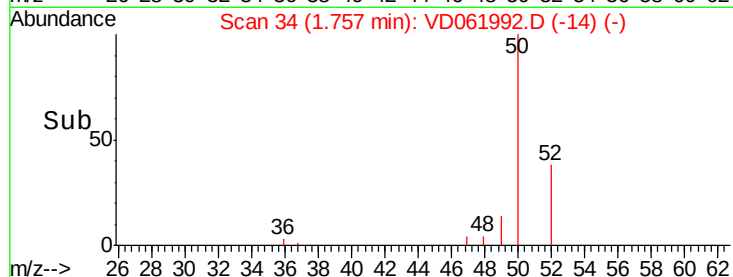
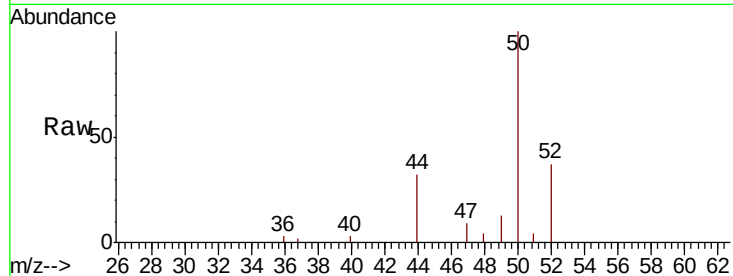




#3
 Chloromethane
 Concen: 15.899 ug/l
 RT: 1.76 min Scan# 34
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

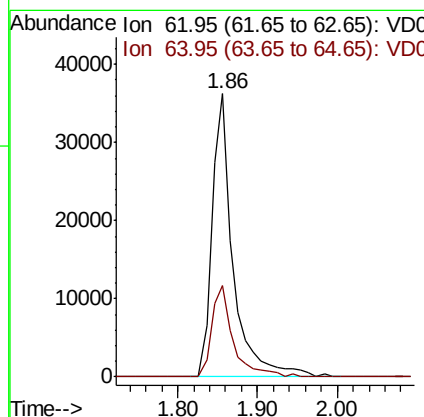
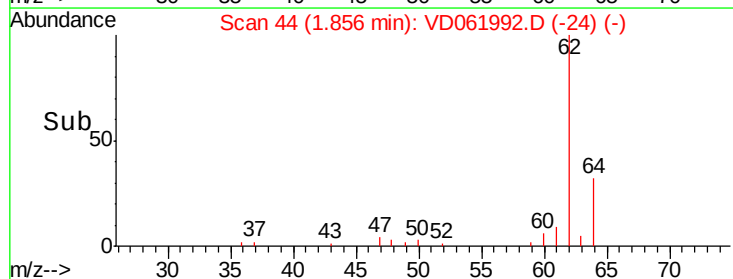
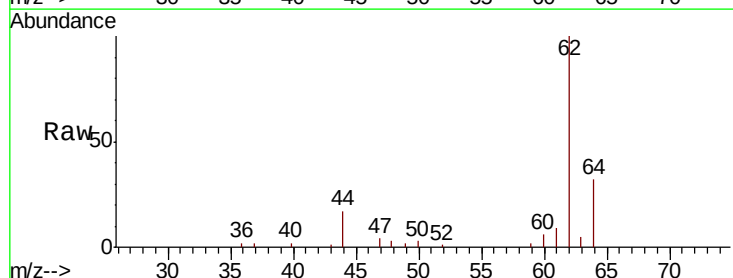
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

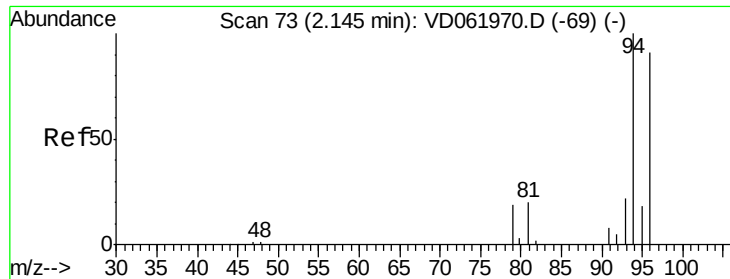
Tgt Ion: 50 Resp: 74641
 Ion Ratio Lower Upper
 50 100
 52 36.6 25.2 37.8



#4
 Vinyl Chloride
 Concen: 15.602 ug/l
 RT: 1.86 min Scan# 44
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion: 62 Resp: 66385
 Ion Ratio Lower Upper
 62 100
 64 32.3 26.5 39.7





#5

Bromomethane

Concen: 14.888 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBSD01

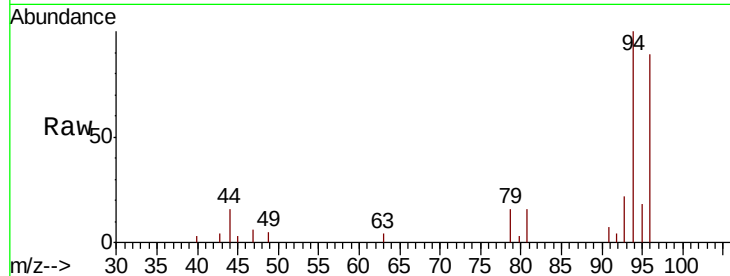
Tgt Ion: 94 Resp: 19438

Ion Ratio Lower Upper

94 100

96 88.6 76.6 115.0

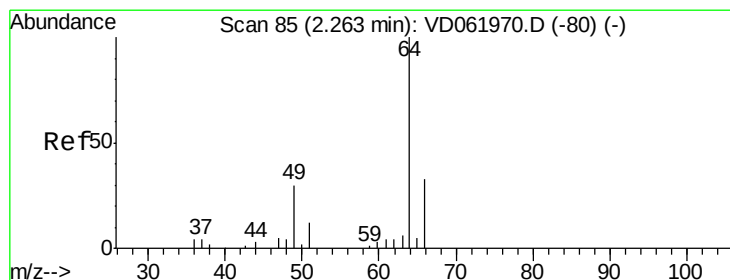
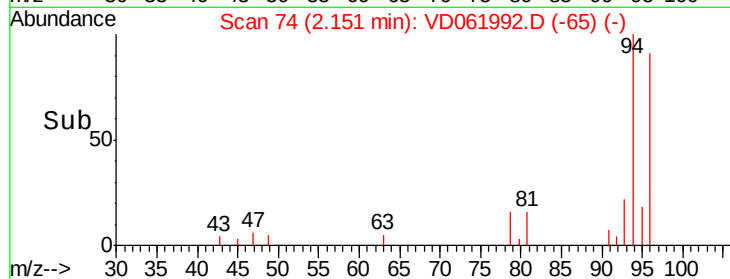
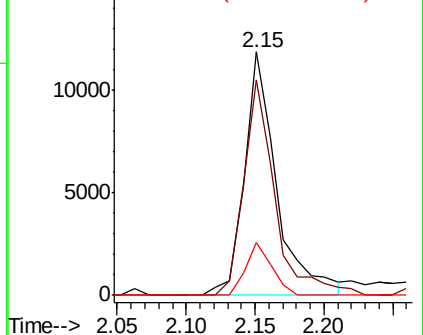
93 21.7 18.5 27.7



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: 13.651 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061992.D

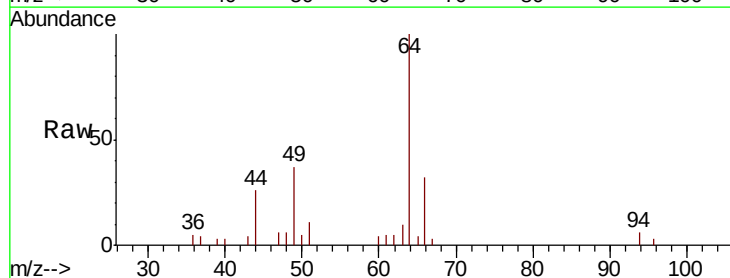
Acq: 24 Apr 2019 12:32

Tgt Ion: 64 Resp: 20996

Ion Ratio Lower Upper

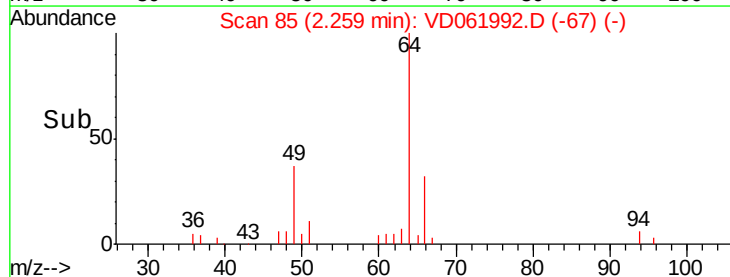
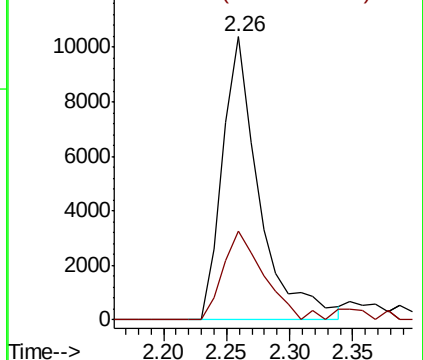
64 100

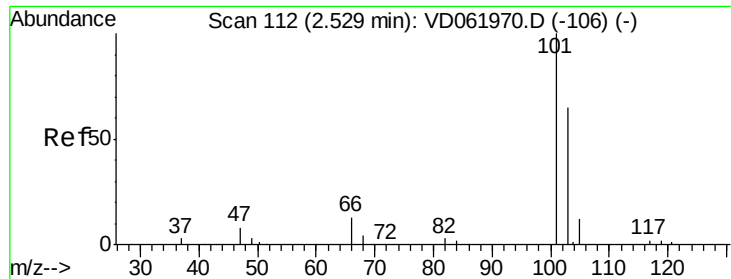
66 31.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



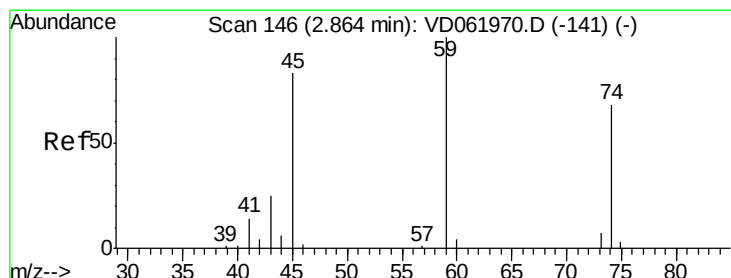
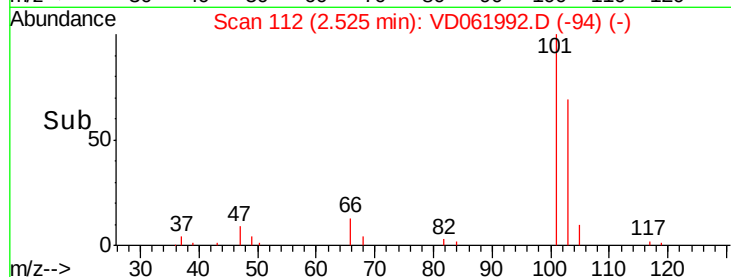
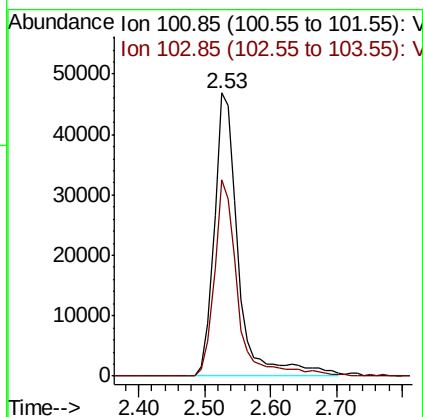
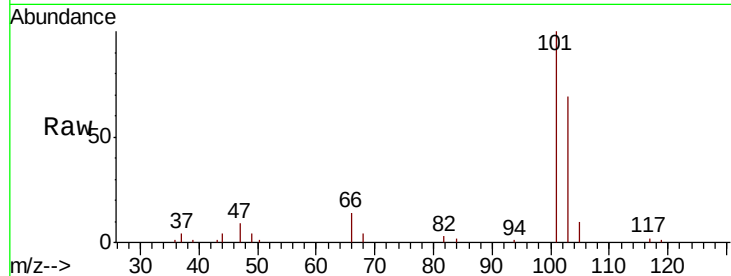


#7

Trichlorofluoromethane
 Concen: 18.303 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

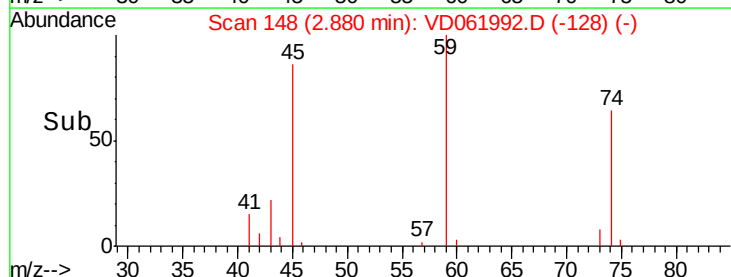
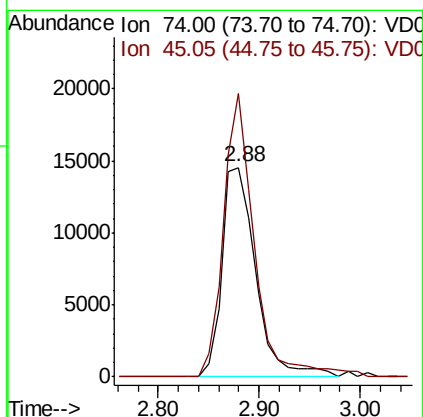
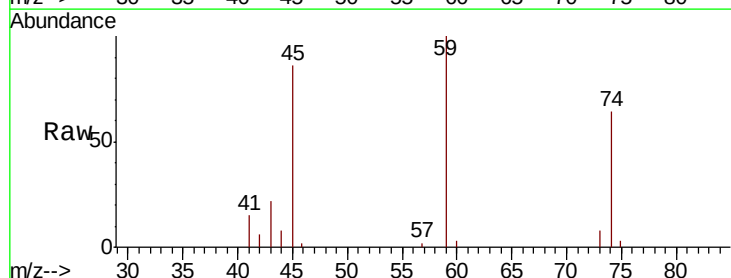
Tgt Ion: 101 Resp: 117756
 Ion Ratio Lower Upper
 101 100
 103 69.3 53.6 80.4

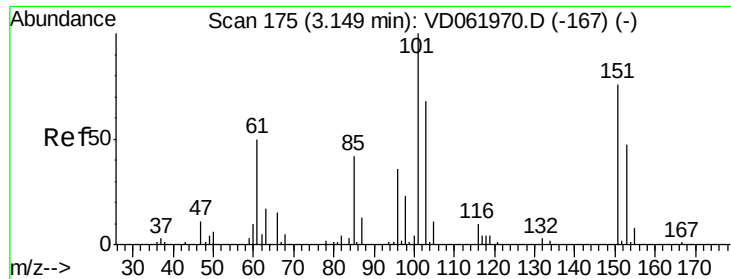


#8

Diethyl Ether
 Concen: 19.727 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion: 74 Resp: 34016
 Ion Ratio Lower Upper
 74 100
 45 135.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.122 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBSD01

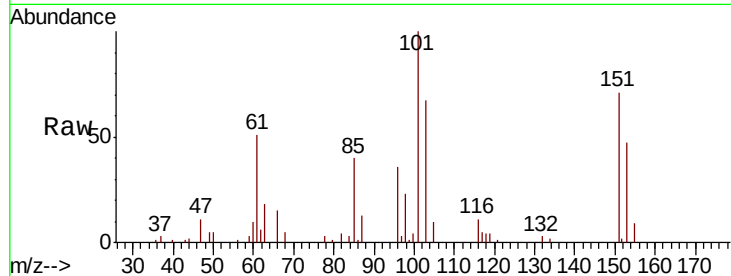
Tgt Ion:101 Resp: 107399

Ion Ratio Lower Upper

101 100

85 39.6 32.4 48.6

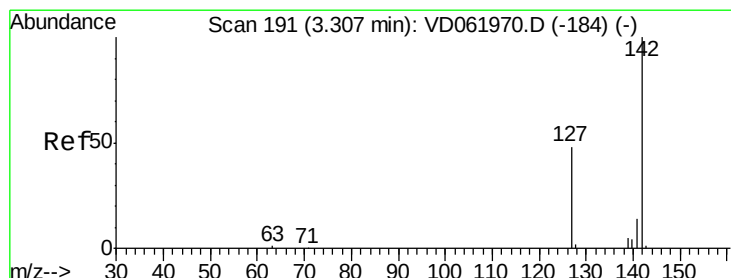
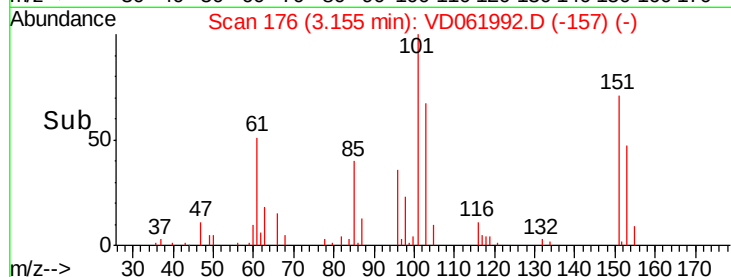
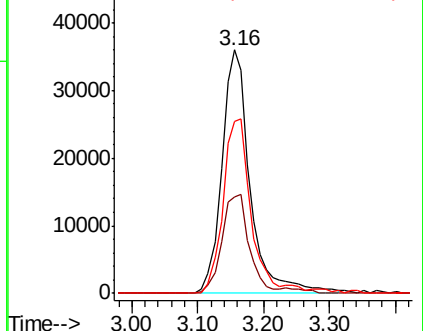
151 70.7 59.4 89.0



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: 17.722 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

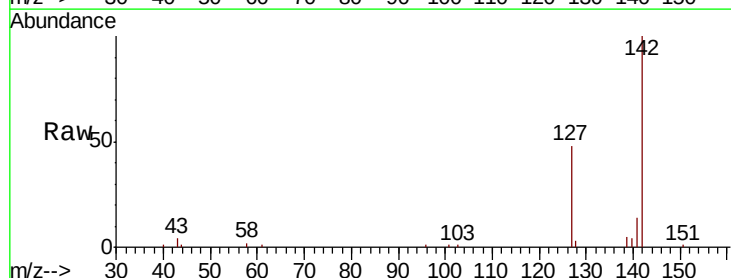
Tgt Ion:142 Resp: 124519

Ion Ratio Lower Upper

142 100

127 48.2 38.8 58.2

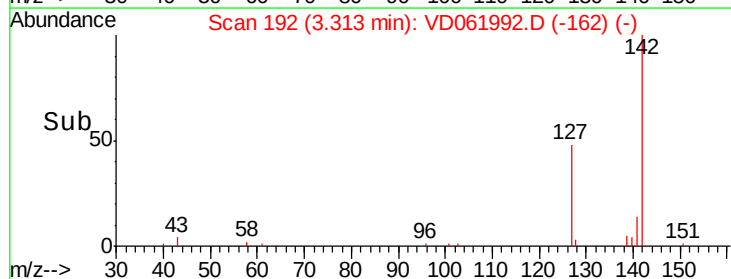
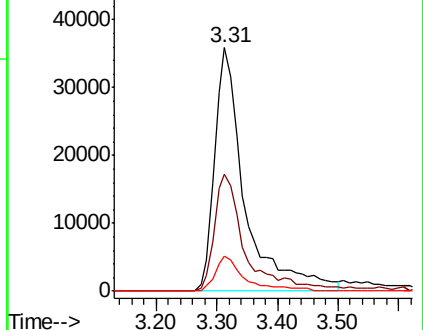
141 14.4 11.4 17.0

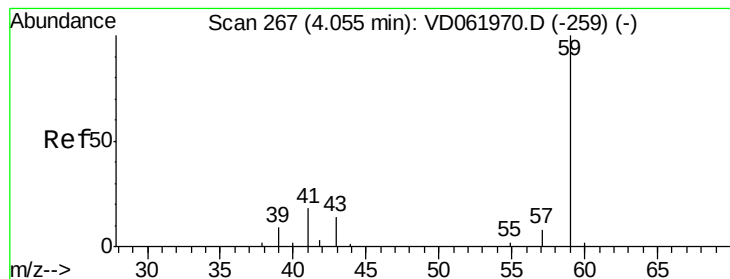


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



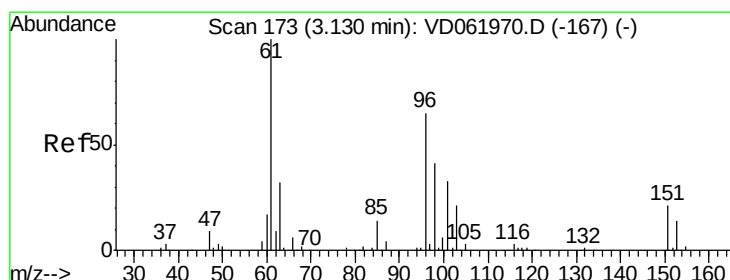
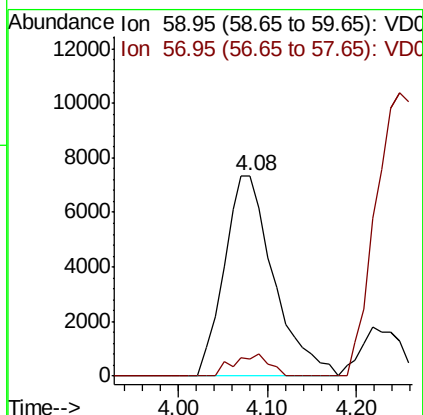
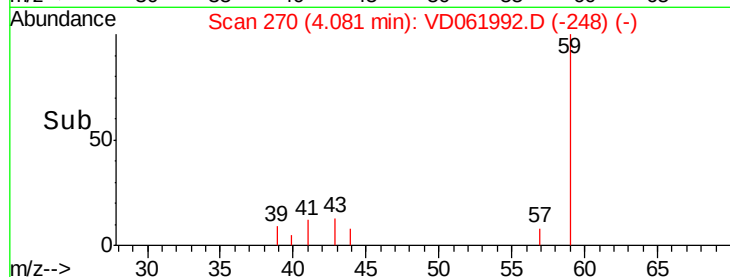
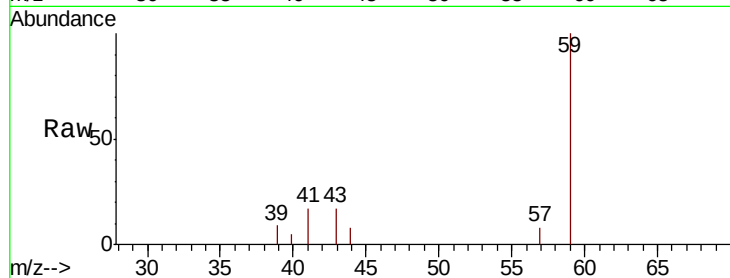


#11

Tert butyl alcohol
 Concen: 103.443 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.02 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

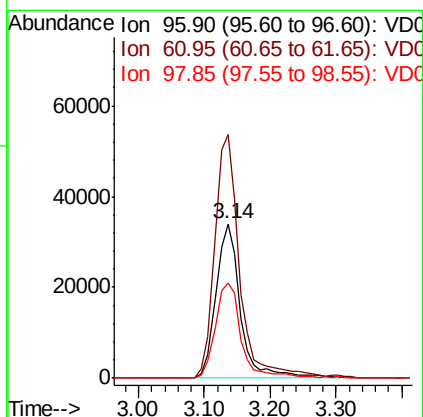
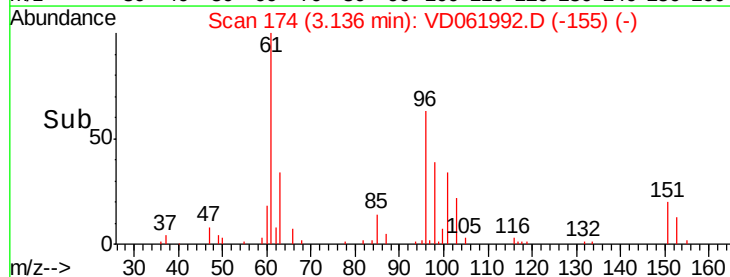
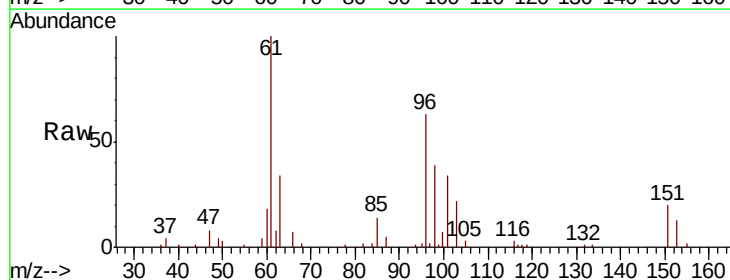
Tgt Ion: 59 Resp: 28296
 Ion Ratio Lower Upper
 59 100
 57 8.3 6.9 10.3

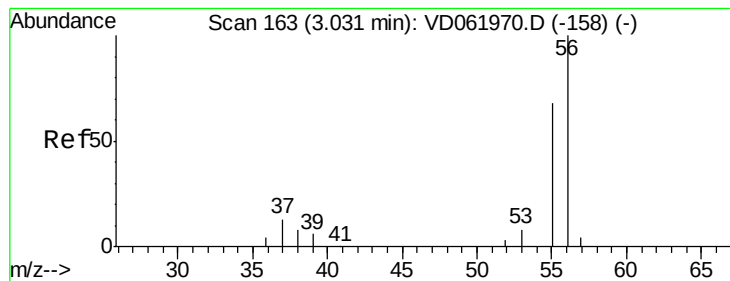


#12

1,1-Dichloroethene
 Concen: 17.278 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. -0.01 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion: 96 Resp: 87120
 Ion Ratio Lower Upper
 96 100
 61 157.8 129.8 194.8
 98 61.9 51.2 76.8





#13

Acrolein

Concen: 101.988 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

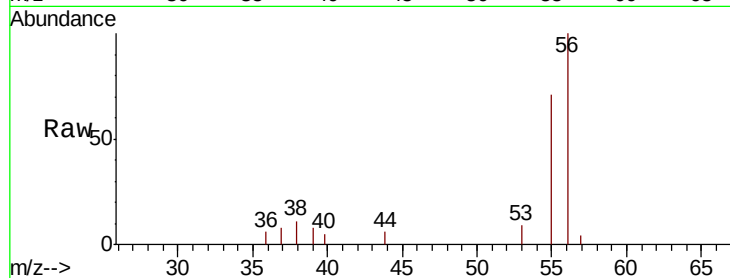
VD0424SBSD01

Tgt Ion: 56 Resp: 28946

Ion Ratio Lower Upper

56 100

55 70.7 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VD061970.D (-158) (-)

Ion 55.00 (54.70 to 55.70): VD061970.D (-158) (-)

3.04

12000

10000

8000

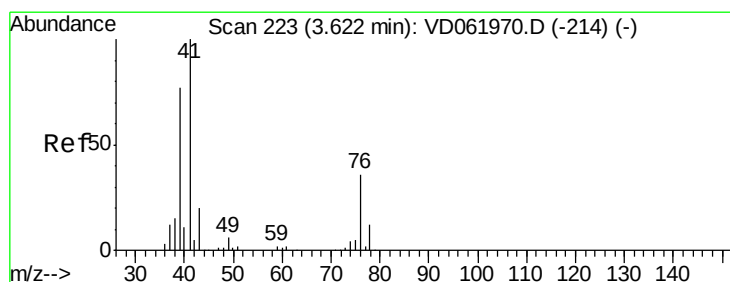
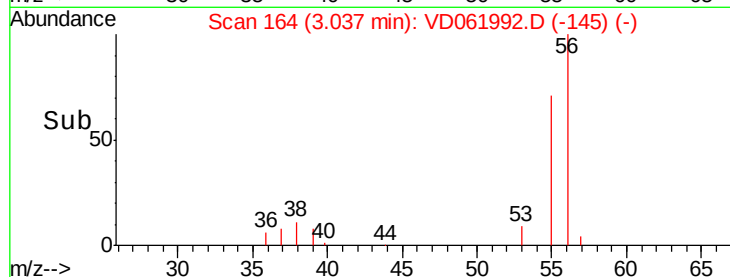
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 18.978 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

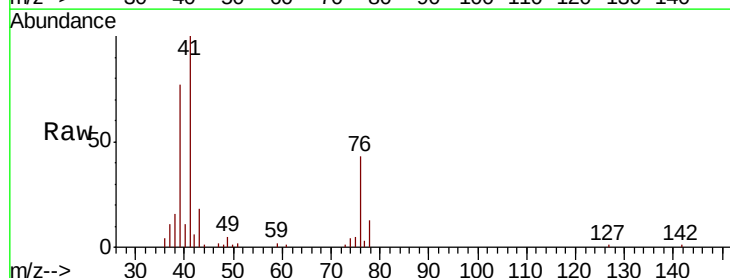
Tgt Ion: 41 Resp: 130665

Ion Ratio Lower Upper

41 100

39 77.4 60.5 90.7

76 42.9 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VD061970.D (-214) (-)

Ion 38.95 (38.65 to 39.65): VD061970.D (-214) (-)

Ion 75.95 (75.65 to 76.65): VD061970.D (-214) (-)

3.63

60000

50000

40000

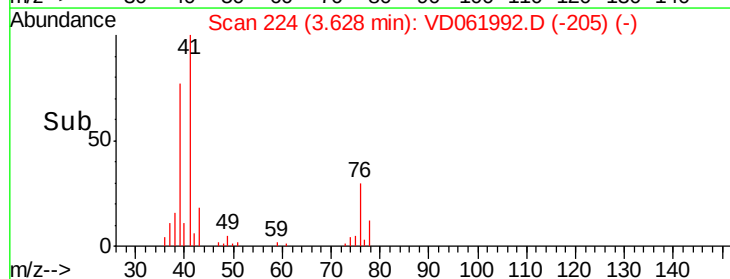
30000

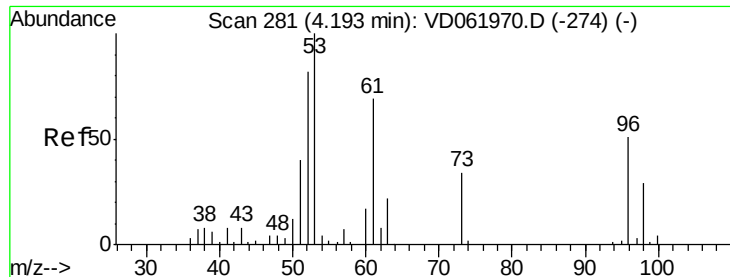
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 104.420 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

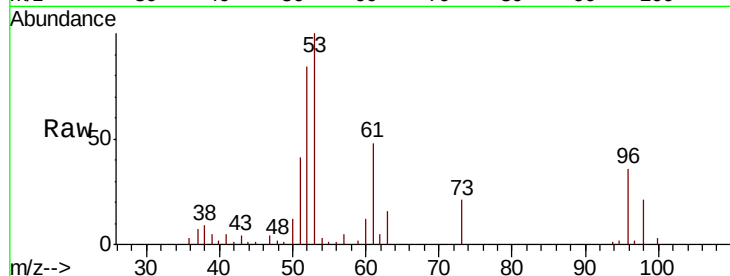
Tgt Ion: 53 Resp: 88447

Ion Ratio Lower Upper

53 100

52 83.7 65.0 97.4

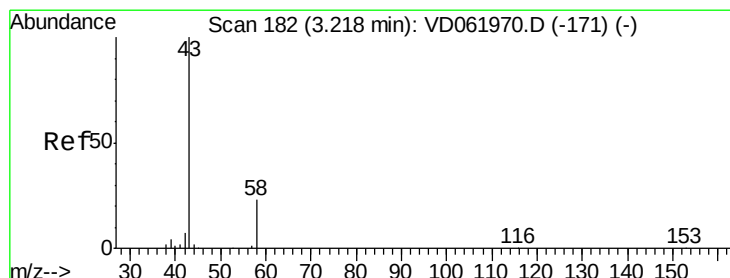
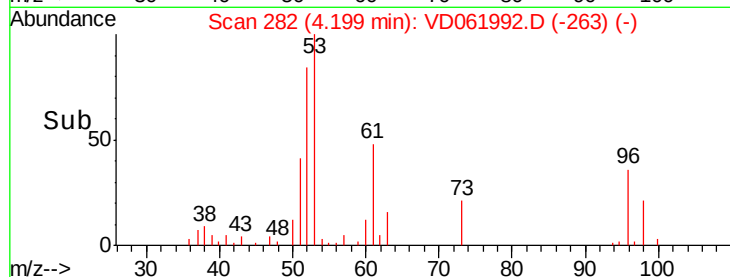
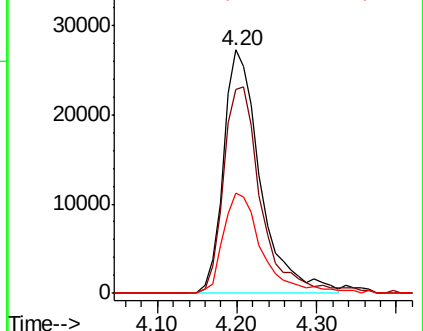
51 40.9 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 94.256 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061992.D

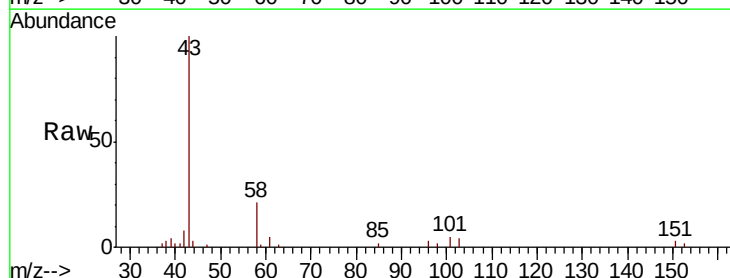
Acq: 24 Apr 2019 12:32

Tgt Ion: 43 Resp: 108959

Ion Ratio Lower Upper

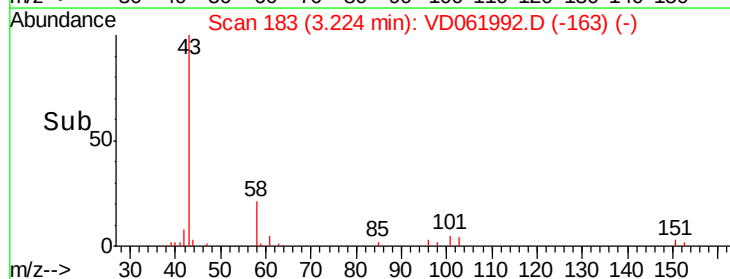
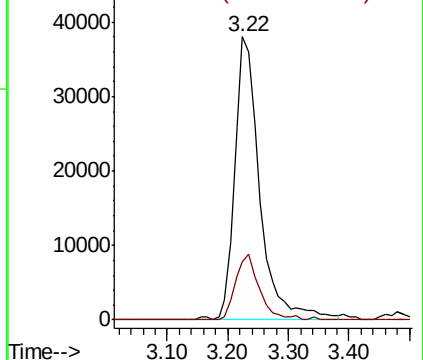
43 100

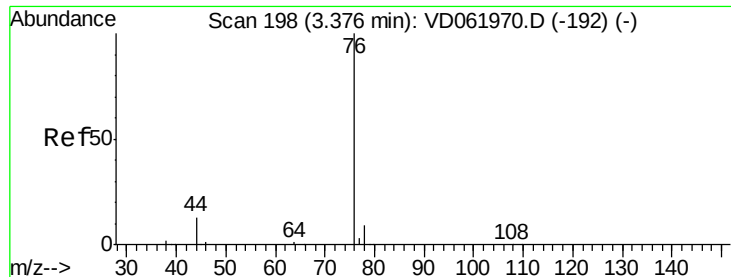
58 20.7 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

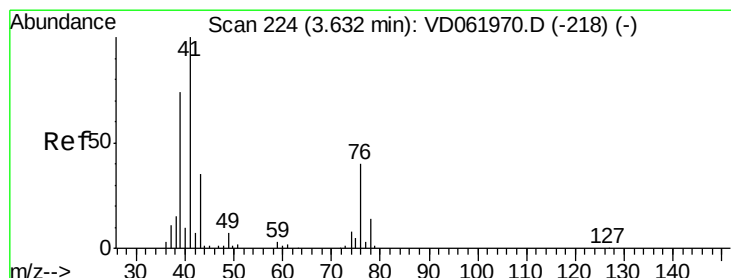
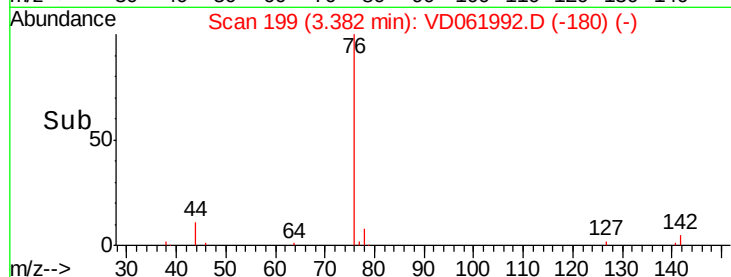
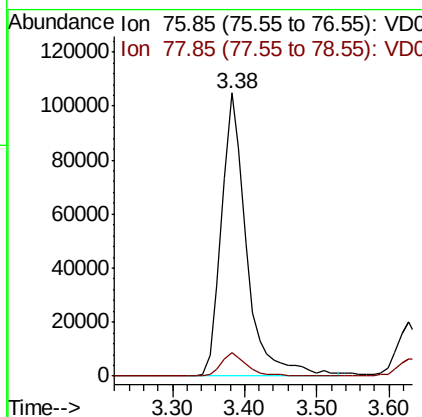
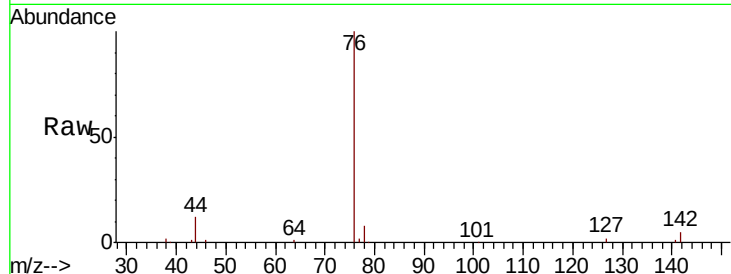




#17
Carbon Disulfide
Concen: 17.361 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

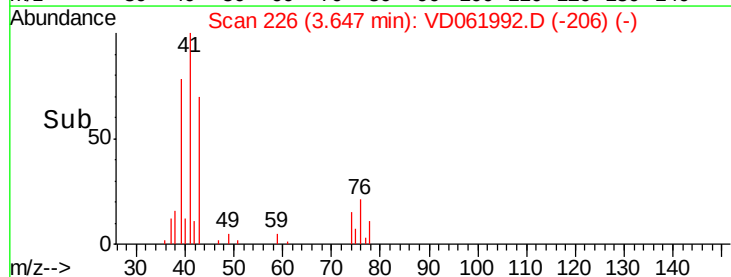
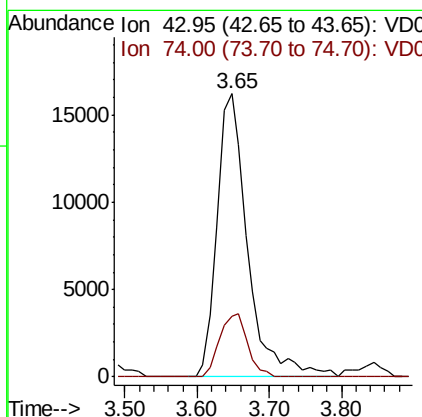
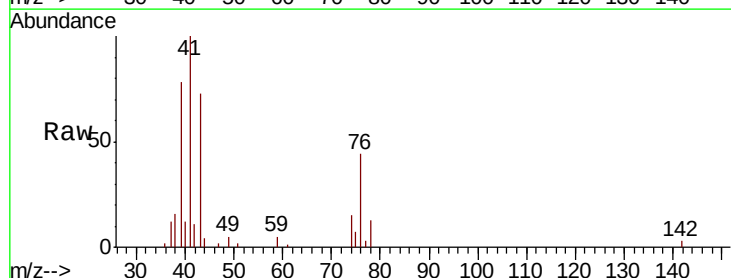
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

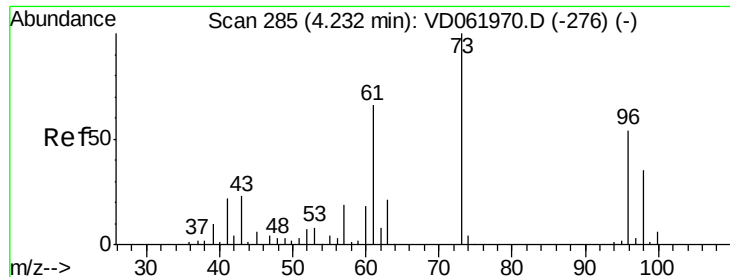
Tgt Ion: 76 Resp: 252957
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8



#18
Methyl Acetate
Concen: 21.404 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 43 Resp: 47466
Ion Ratio Lower Upper
43 100
74 21.3 18.0 27.0

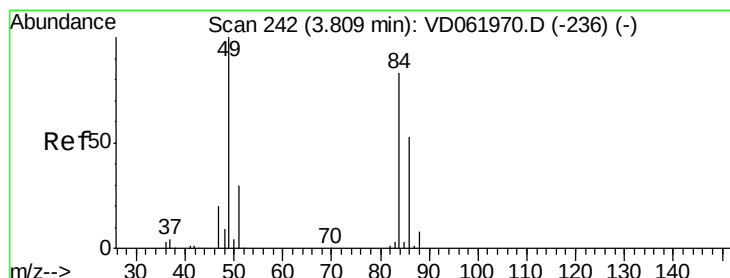
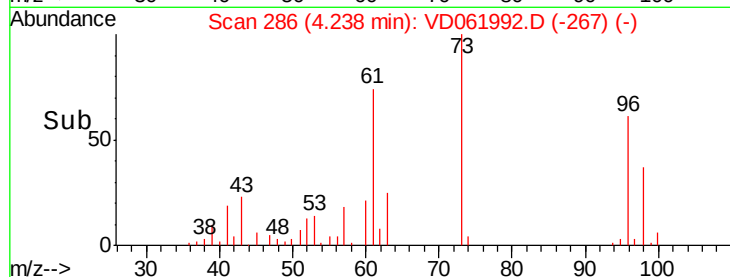
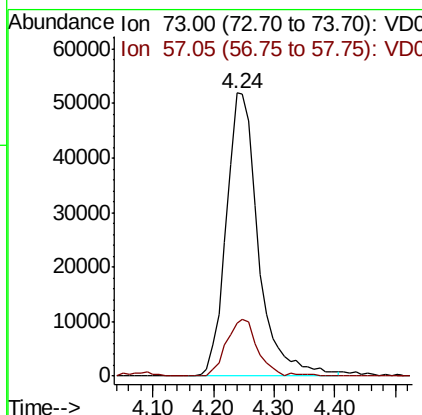
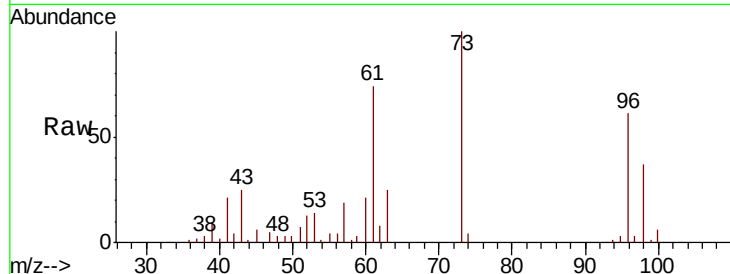




#19
Methyl tert-butyl Ether
Concen: 19.127 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

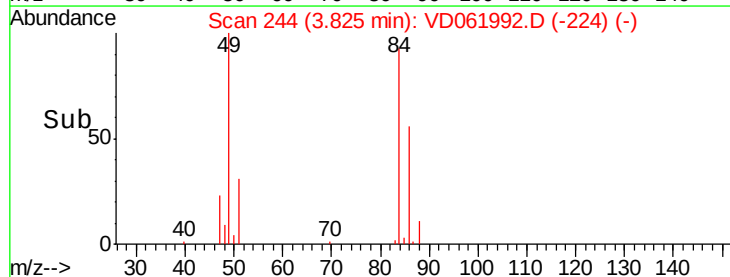
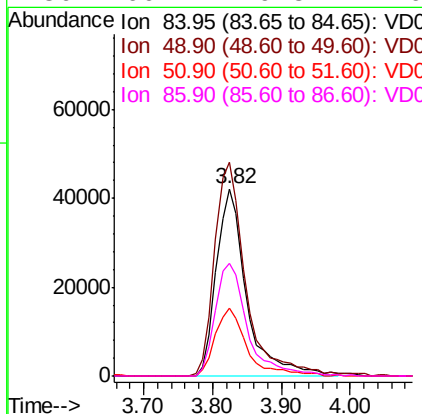
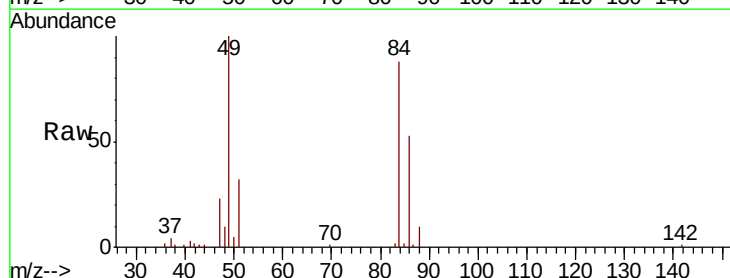
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

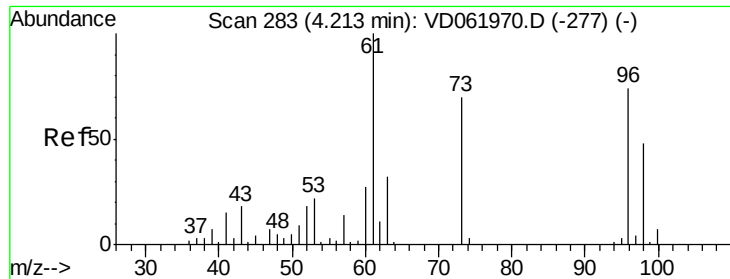
Tgt Ion: 73 Resp: 191353
Ion Ratio Lower Upper
73 100
57 18.9 16.3 24.5



#20
Methylene Chloride
Concen: 20.970 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 84 Resp: 128433
Ion Ratio Lower Upper
84 100
49 113.9 94.0 141.0
51 36.0 29.0 43.4
86 60.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 18.963 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

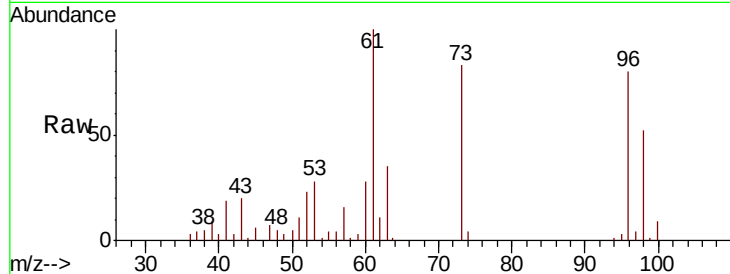
Tgt Ion: 96 Resp: 109689

Ion Ratio Lower Upper

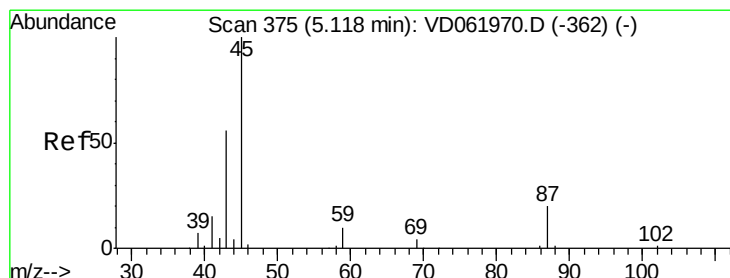
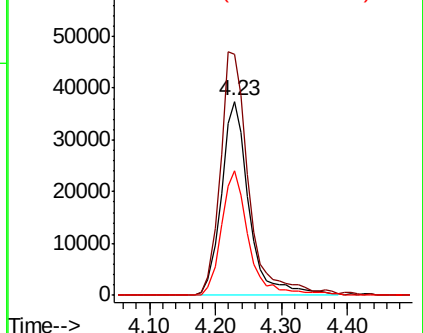
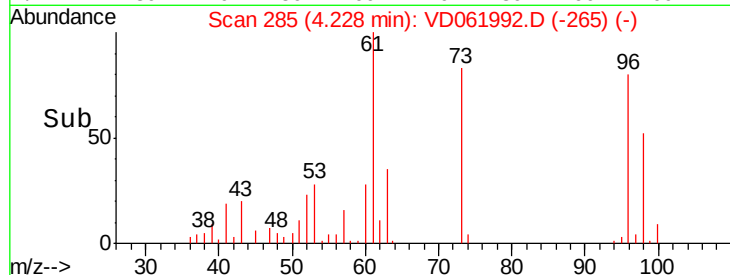
96 100

61 124.6 104.4 156.6

98 64.4 51.8 77.8



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



#22

Diisopropyl ether

Concen: 19.373 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Tgt Ion: 45 Resp: 311418

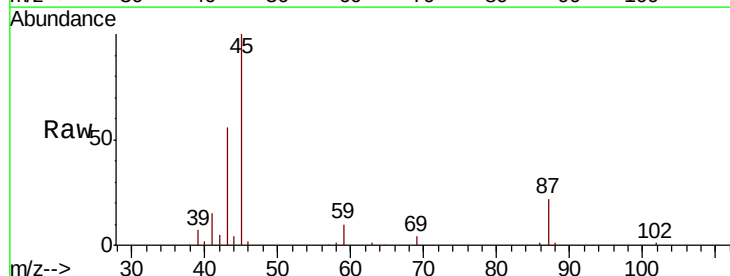
Ion Ratio Lower Upper

45 100

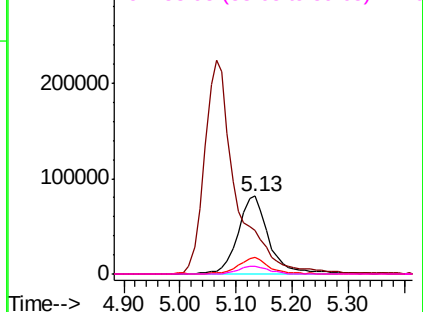
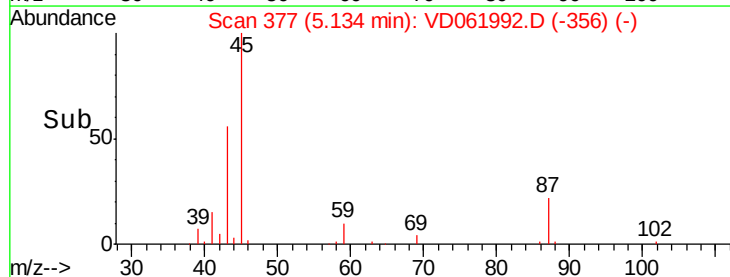
43 56.5 46.2 69.2

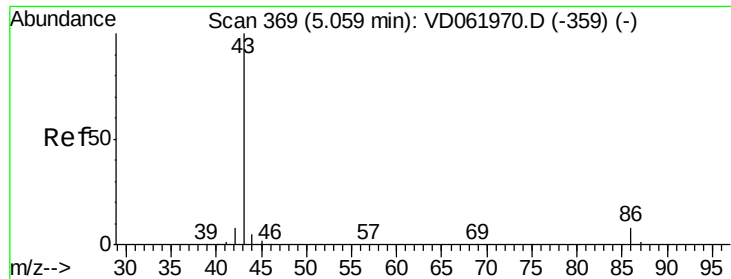
87 21.7 15.9 23.9

59 9.7 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

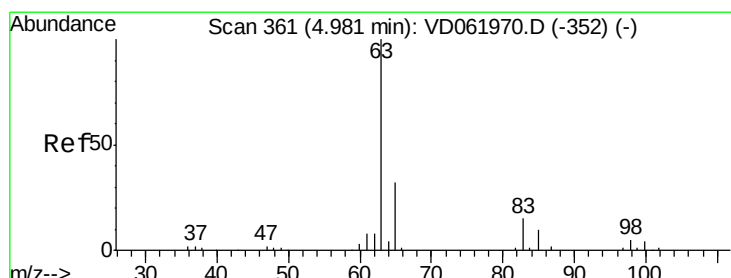
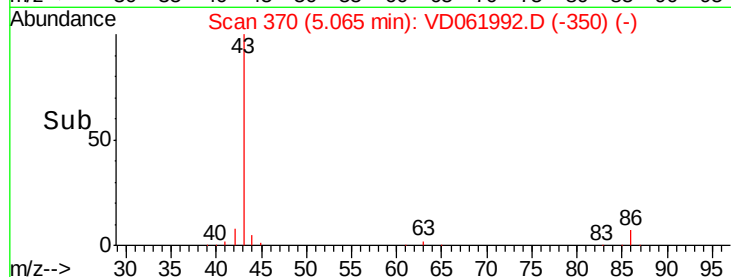
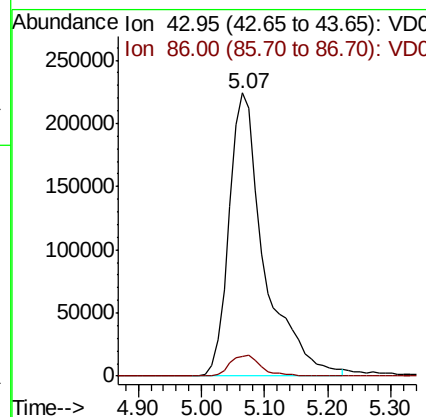
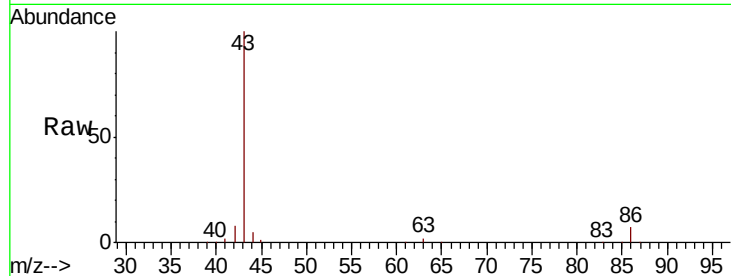




#23
 Vinyl Acetate
 Concen: 103.530 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

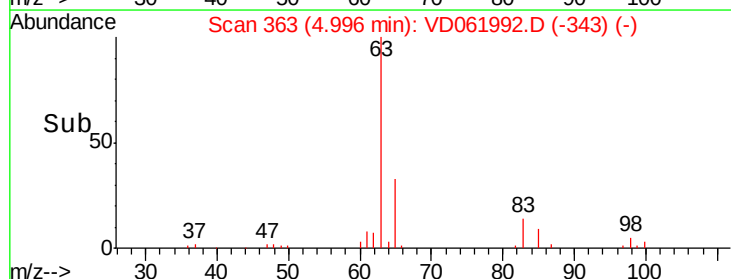
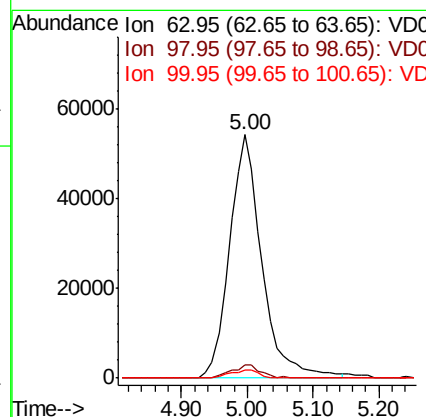
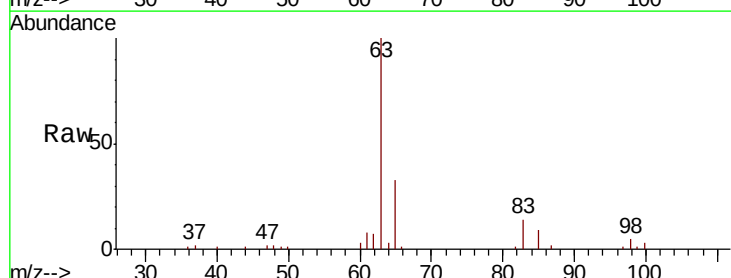
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

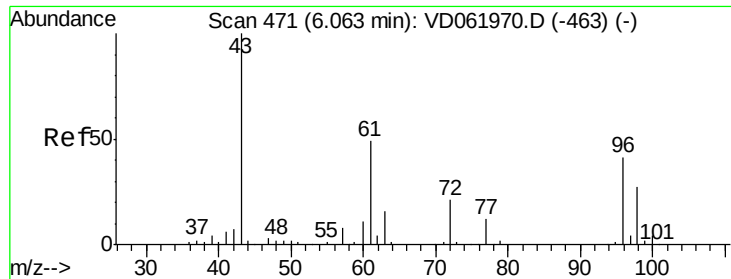
Tgt Ion: 43 Resp: 866665
 Ion Ratio Lower Upper
 43 100
 86 6.9 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 19.151 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion: 63 Resp: 186066
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.4
 100 3.4 1.8 5.5





#25

2-Butanone

Concen: 98.764 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

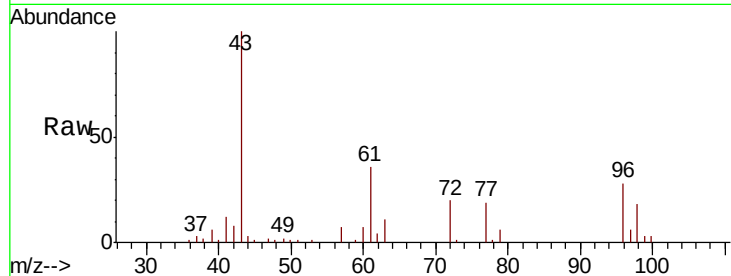
VD0424SBS01

Tgt Ion: 43 Resp: 138422

Ion Ratio Lower Upper

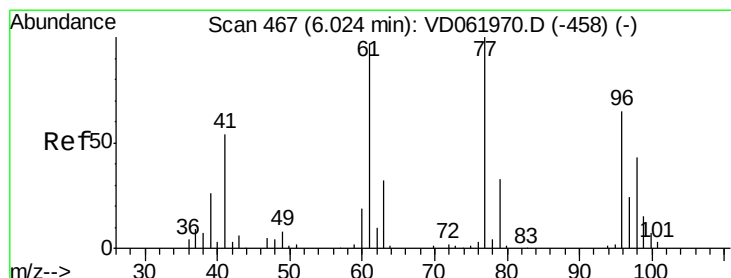
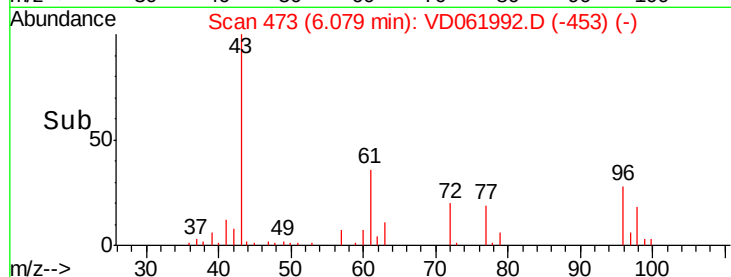
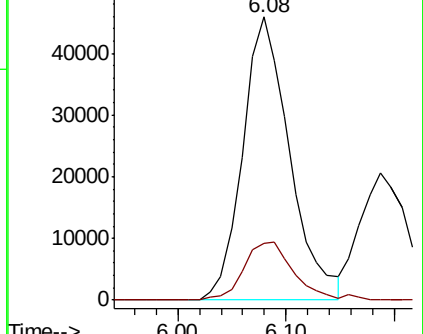
43 100

72 19.9 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: 18.201 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD061992.D

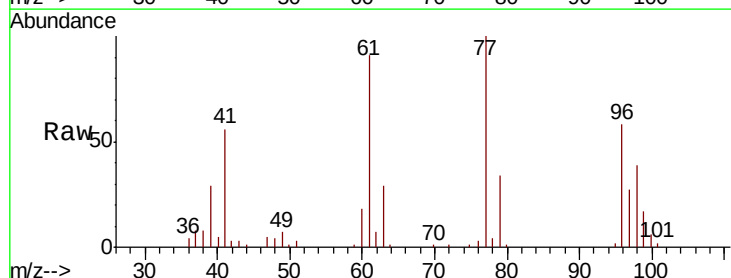
Acq: 24 Apr 2019 12:32

Tgt Ion: 77 Resp: 154270

Ion Ratio Lower Upper

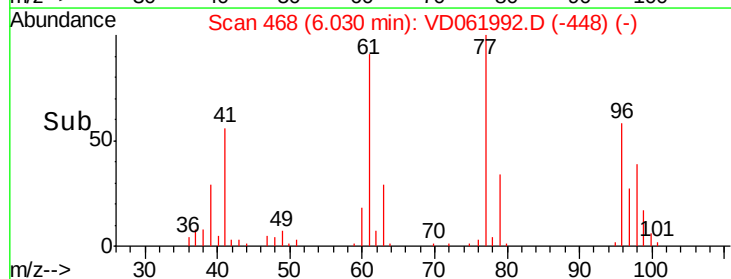
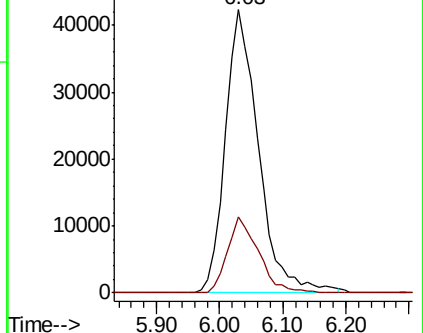
77 100

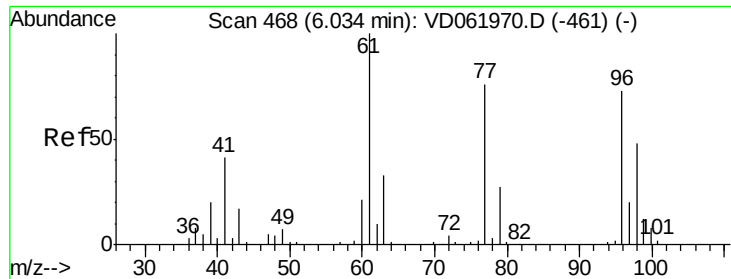
97 27.0 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



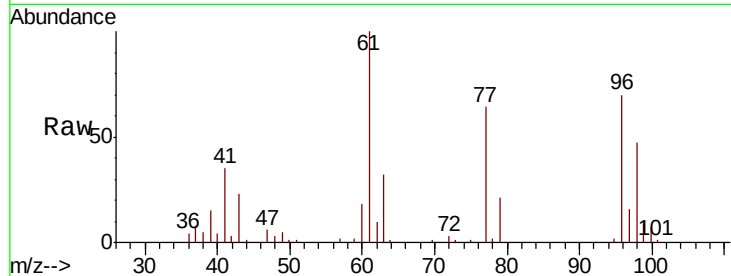


#27

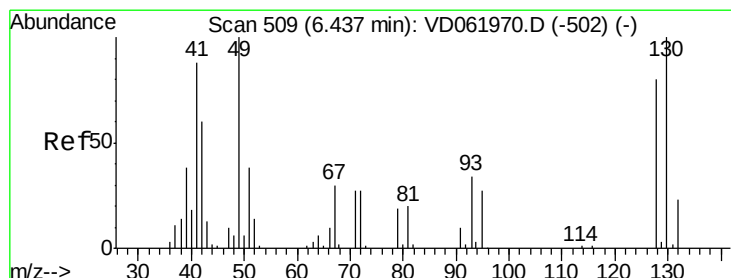
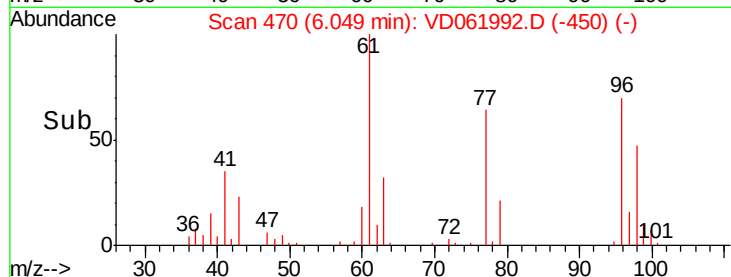
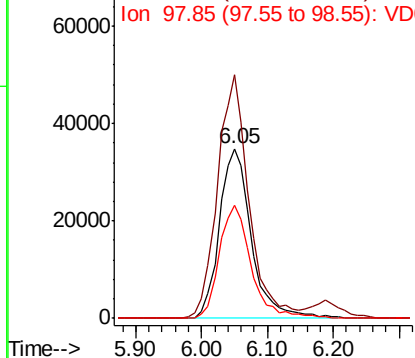
cis-1,2-Dichloroethene
Concen: 17.850 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

Tgt Ion: 96 Resp: 117457
Ion Ratio Lower Upper
96 100
61 143.4 0.0 279.8
98 66.9 0.0 136.0



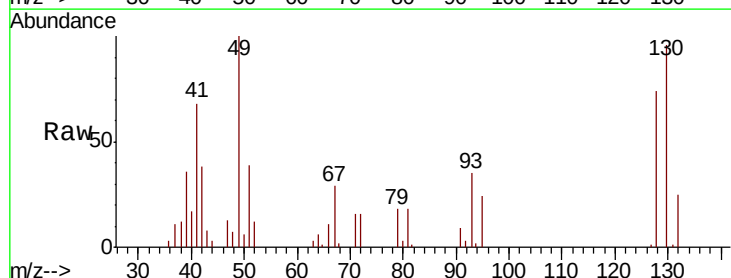
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



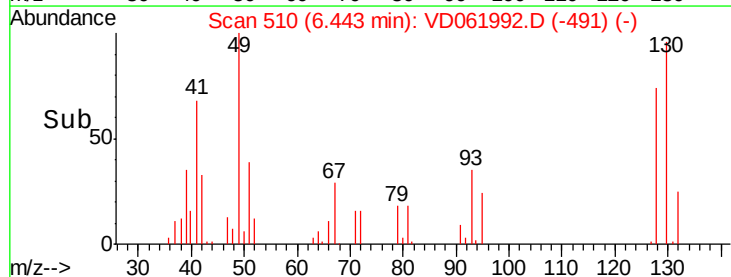
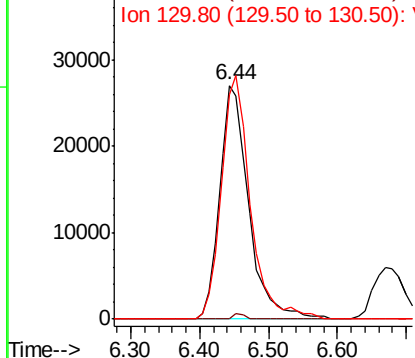
#28

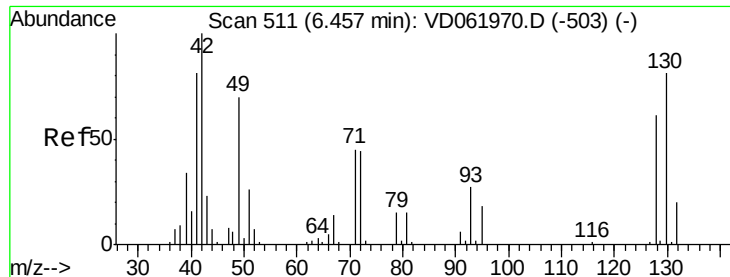
Bromochloromethane
Concen: 21.221 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 49 Resp: 78890
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 95.9 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 97.374 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

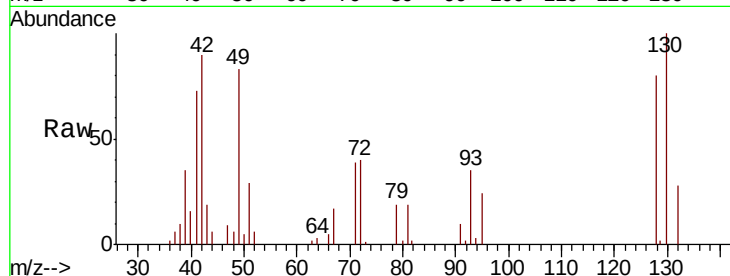
Tgt Ion: 42 Resp: 67244

Ion Ratio Lower Upper

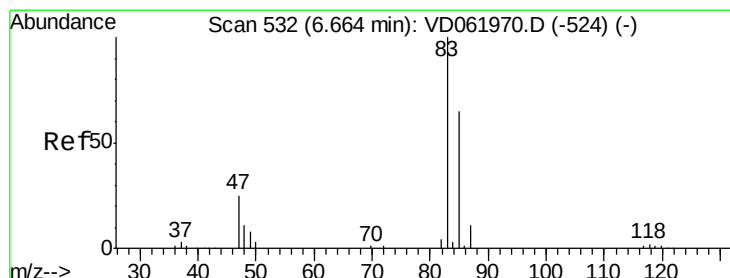
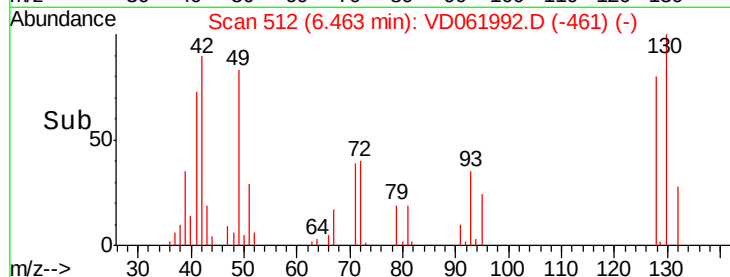
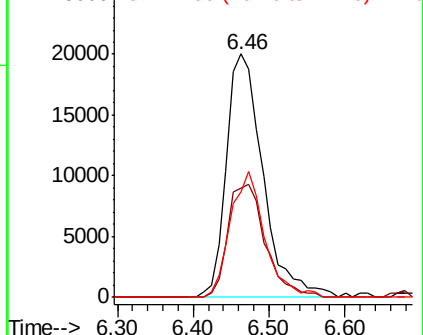
42 100

72 47.2 37.8 56.6

71 48.4 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: 20.100 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD061992.D

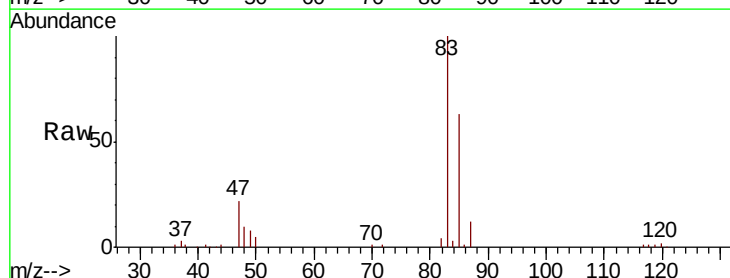
Acq: 24 Apr 2019 12:32

Tgt Ion: 83 Resp: 221811

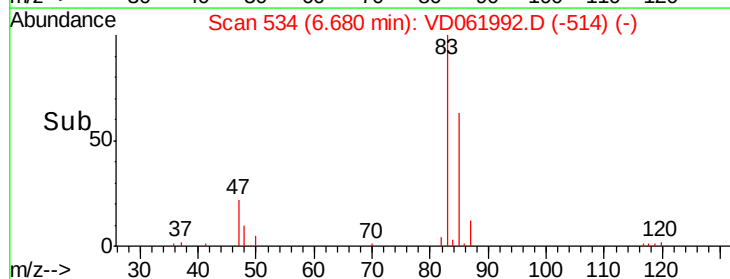
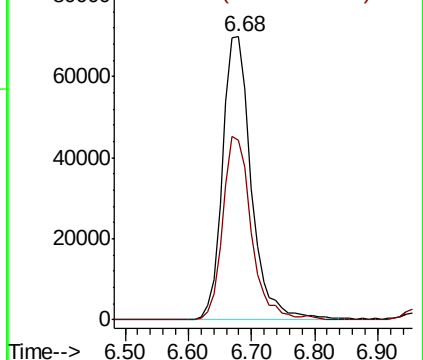
Ion Ratio Lower Upper

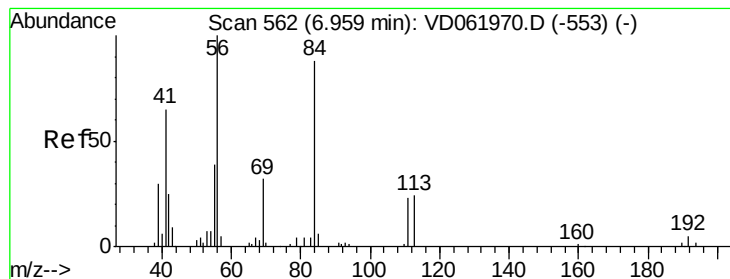
83 100

85 63.4 51.7 77.5



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





#31

Cyclohexane

Concen: 18.211 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBSD01

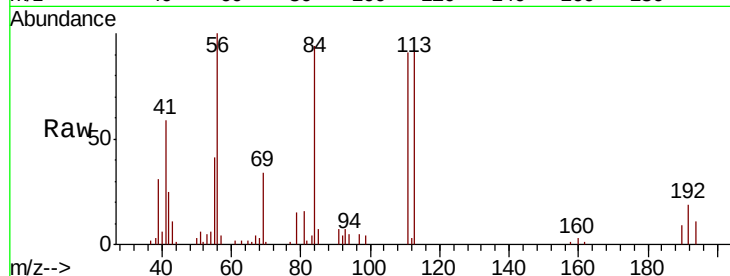
Tgt Ion: 56 Resp: 131329

Ion Ratio Lower Upper

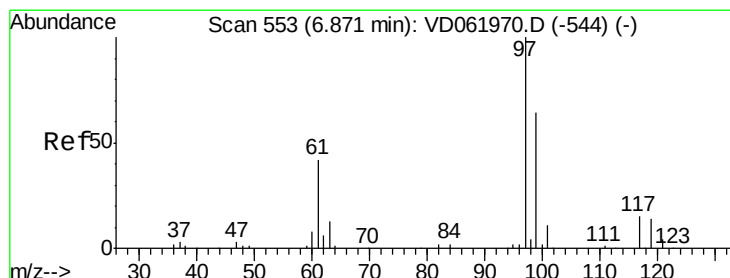
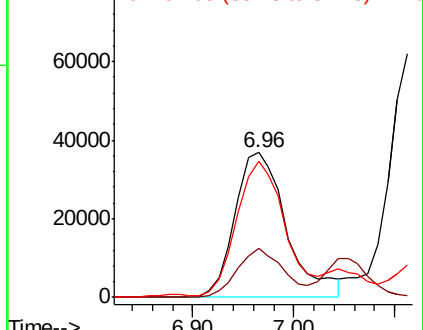
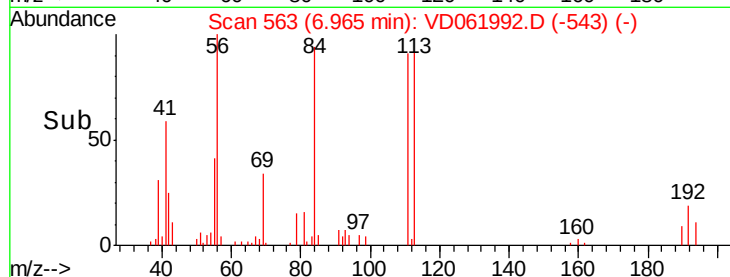
56 100

69 33.9 25.8 38.6

84 93.7 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VD061992.D (-543) (-)



#32

1,1,1-Trichloroethane

Concen: 19.095 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

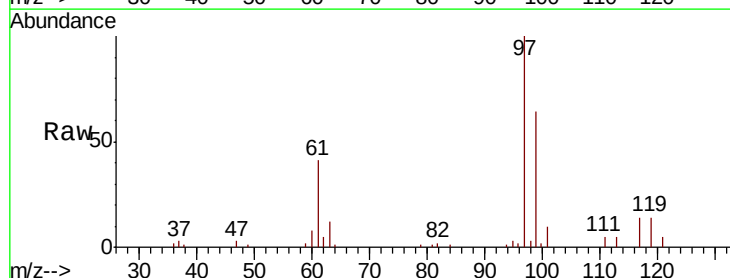
Tgt Ion: 97 Resp: 183342

Ion Ratio Lower Upper

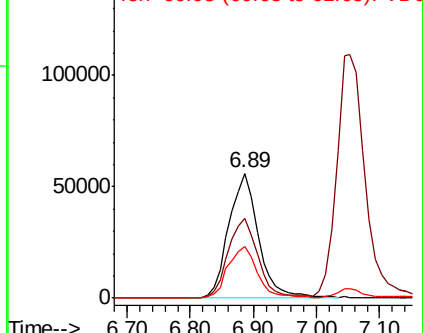
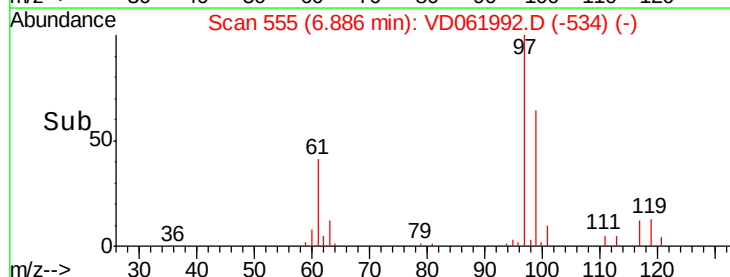
97 100

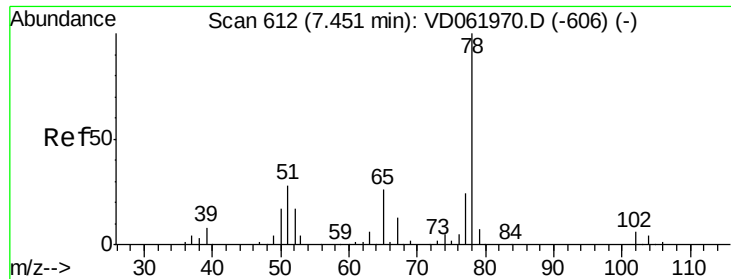
99 63.7 52.2 78.2

61 41.5 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VD061992.D (-534) (-)

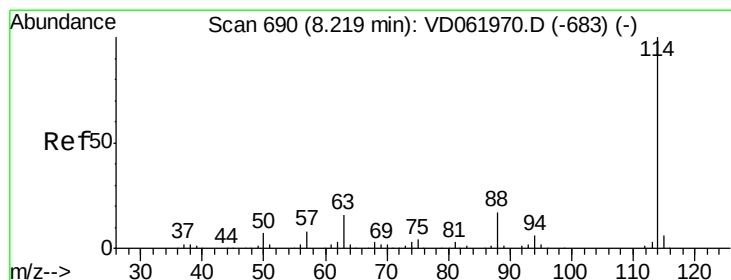
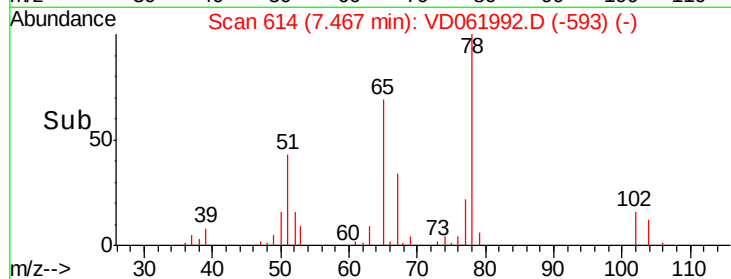
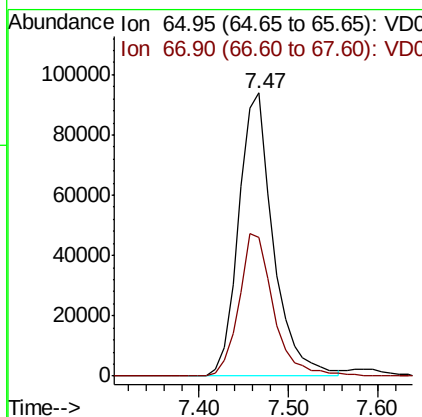
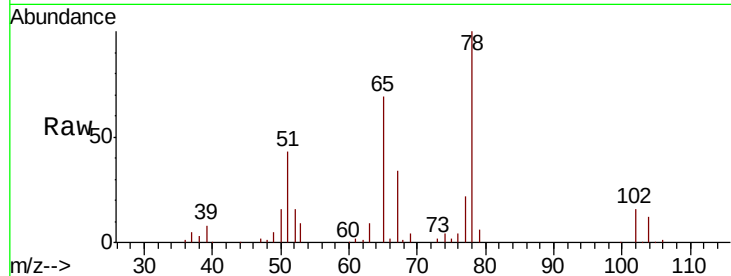




#33
 1,2-Dichloroethane-d4
 Concen: 19.095 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

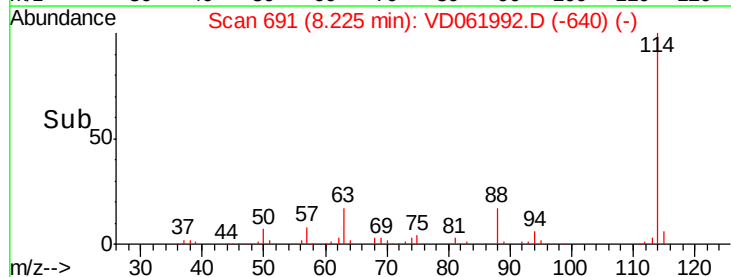
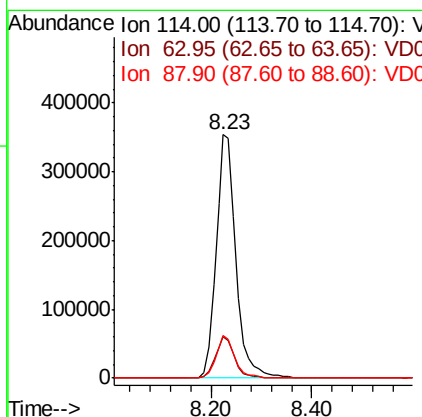
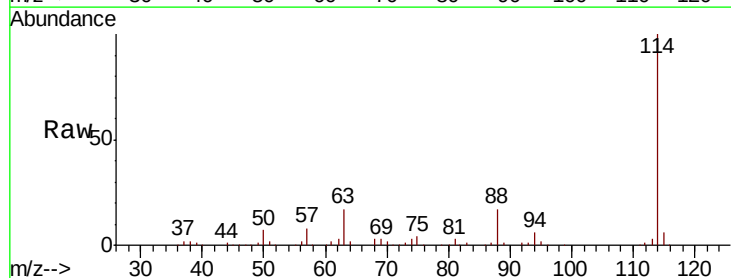
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0424SBSD01

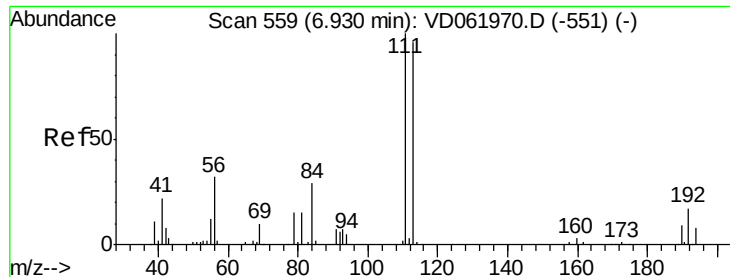
Tgt Ion: 65 Resp: 252731
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion: 114 Resp: 971186
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 32.4
 88 17.4 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBSD01

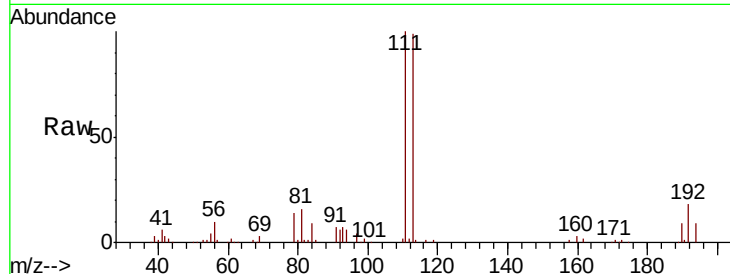
Tgt Ion:113 Resp: 367349

Ion Ratio Lower Upper

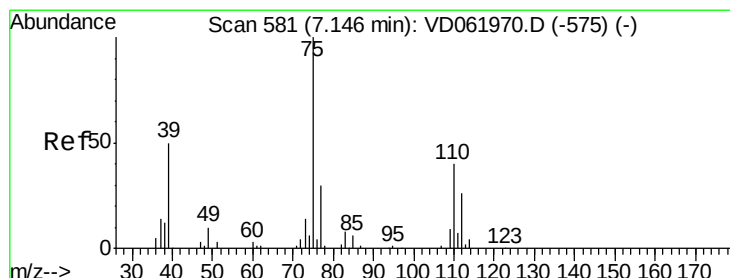
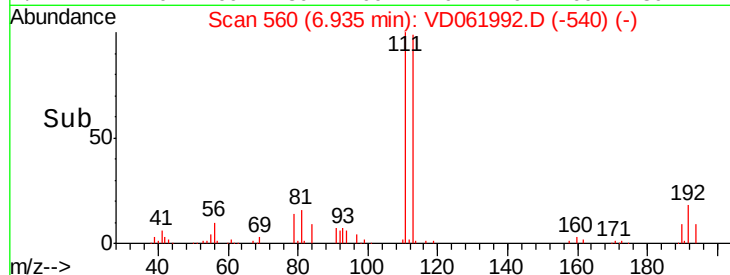
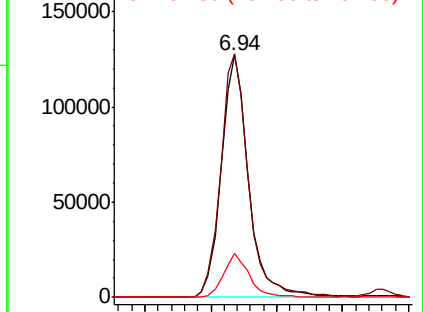
113 100

111 100.7 78.5 117.7

192 18.2 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 19.733 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

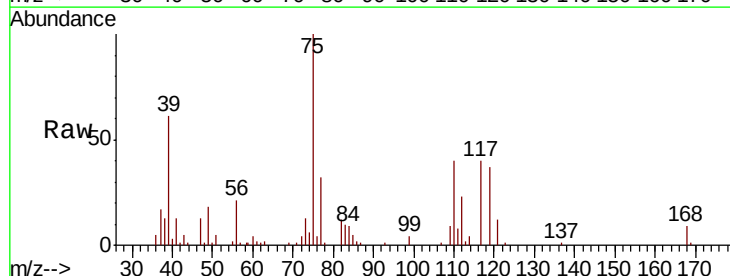
Tgt Ion: 75 Resp: 149310

Ion Ratio Lower Upper

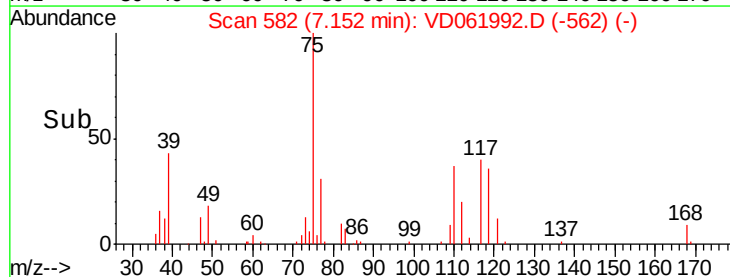
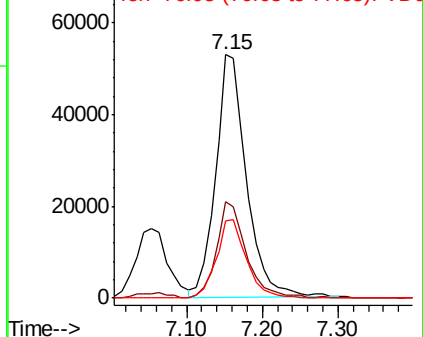
75 100

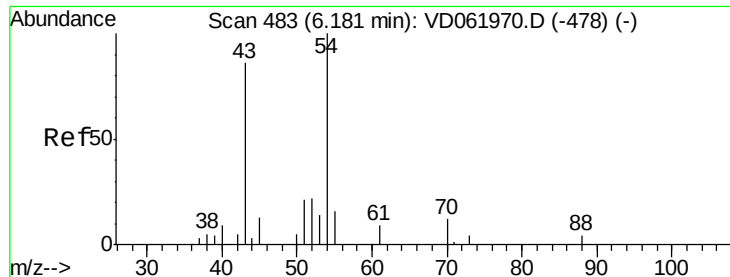
110 39.6 19.1 57.1

77 32.0 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

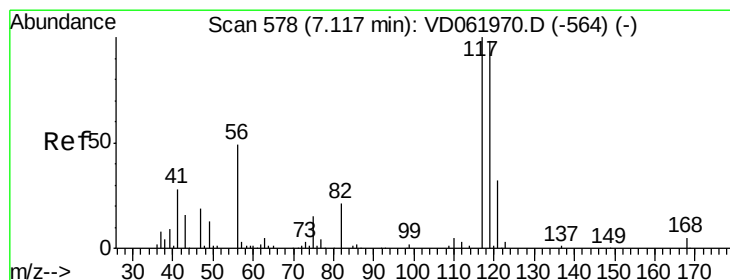
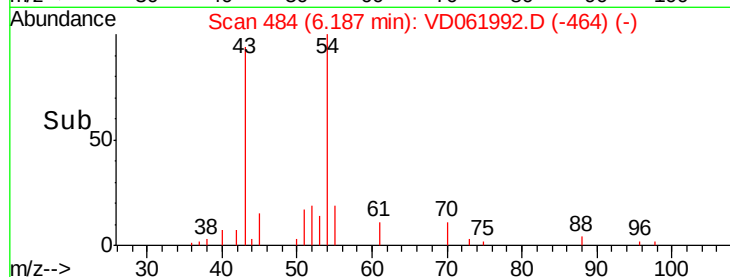
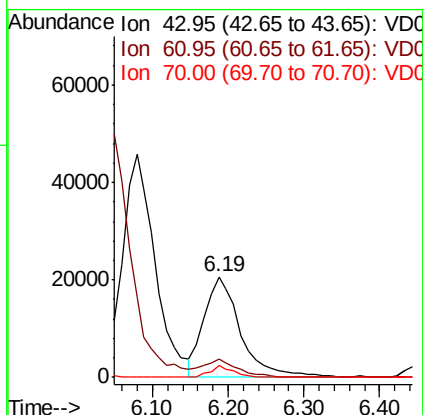
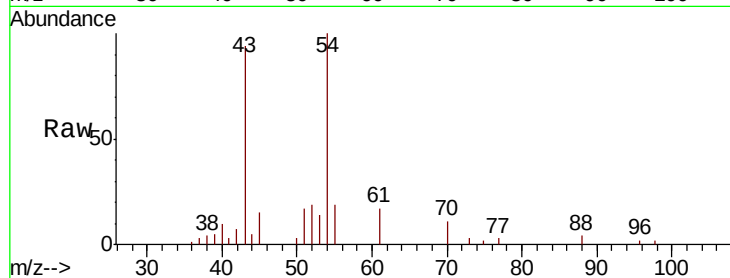




#37
Ethyl Acetate
Concen: 21.609 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

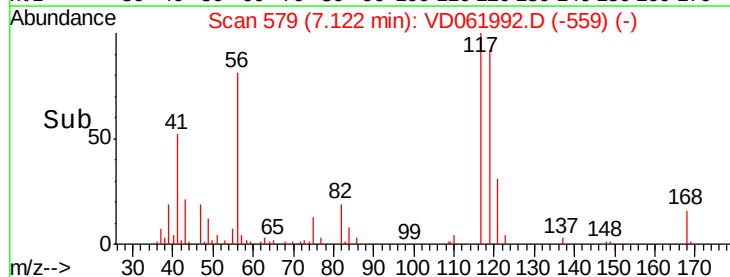
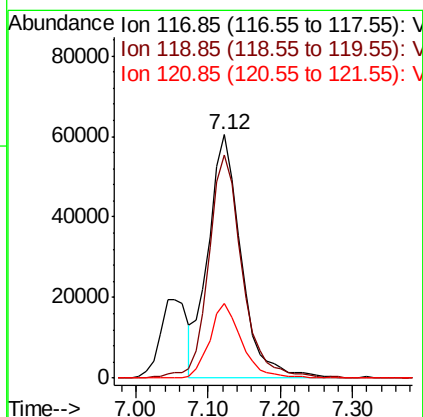
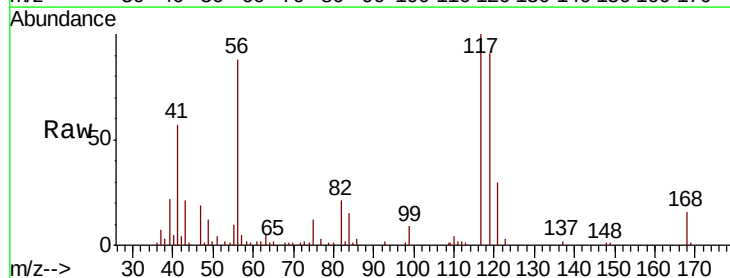
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

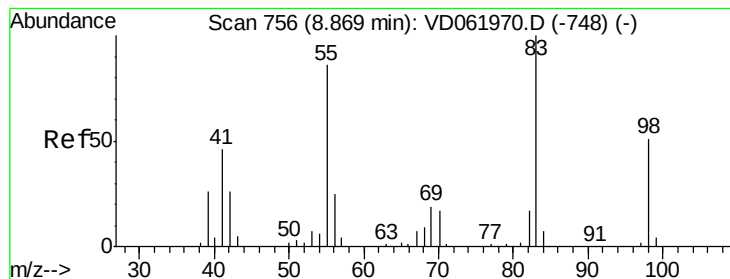
Tgt Ion: 43 Resp: 69676
Ion Ratio Lower Upper
43 100
61 18.1 14.7 22.1
70 12.1 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 19.935 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 117 Resp: 191139
Ion Ratio Lower Upper
117 100
119 91.5 75.8 113.8
121 30.4 25.9 38.9





#39

Methylcyclohexane

Concen: 18.961 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

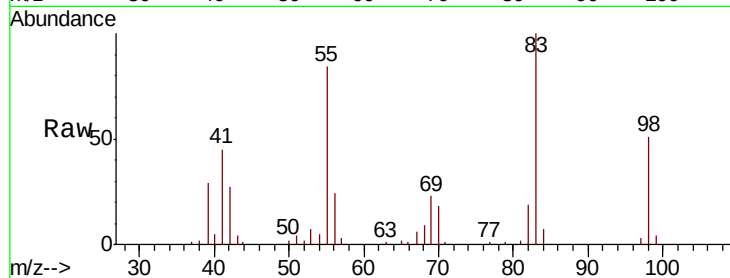
Tgt Ion: 83 Resp: 141550

Ion Ratio Lower Upper

83 100

55 83.9 68.2 102.4

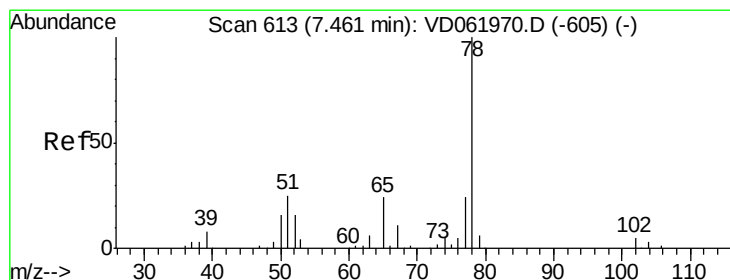
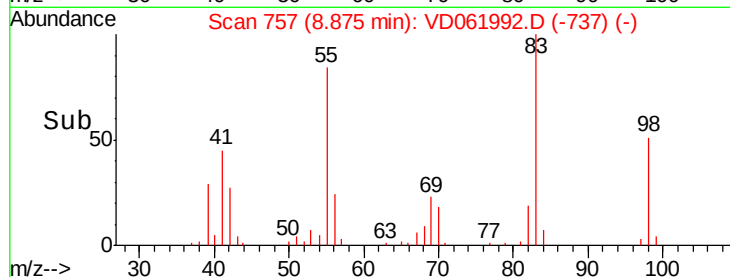
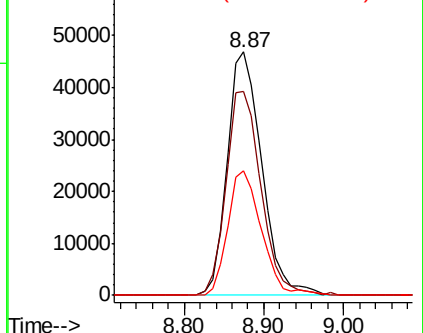
98 51.3 38.2 57.4



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: 19.229 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD061992.D

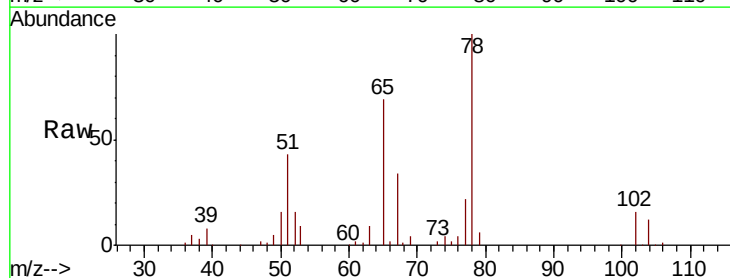
Acq: 24 Apr 2019 12:32

Tgt Ion: 78 Resp: 360198

Ion Ratio Lower Upper

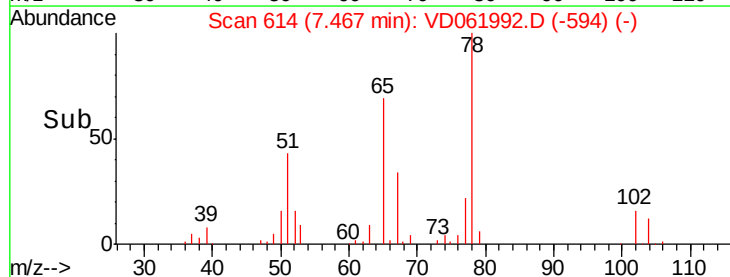
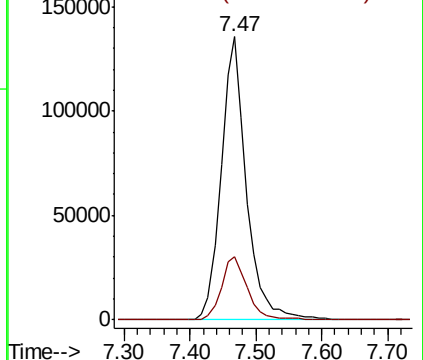
78 100

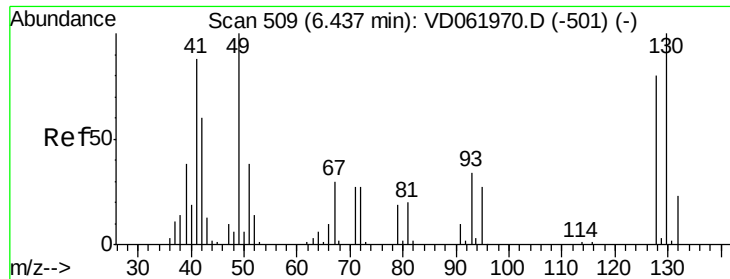
77 22.3 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

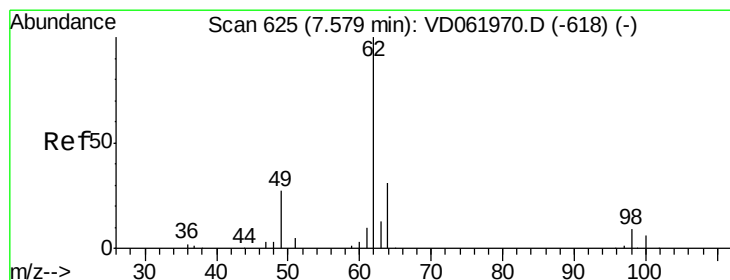
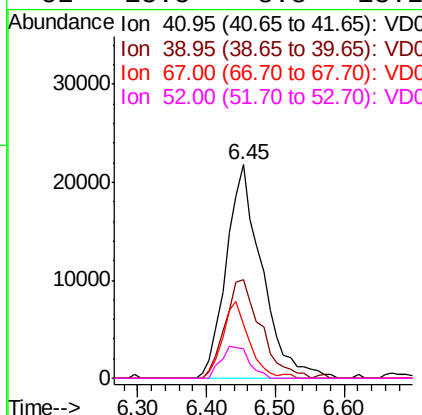
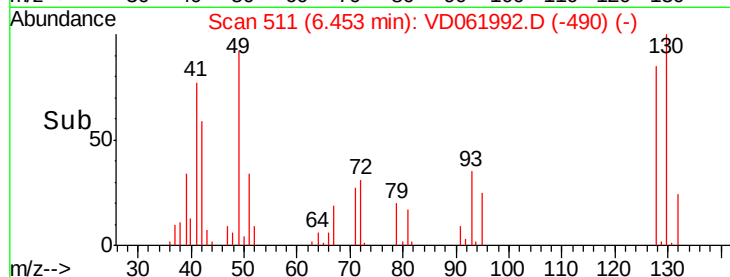
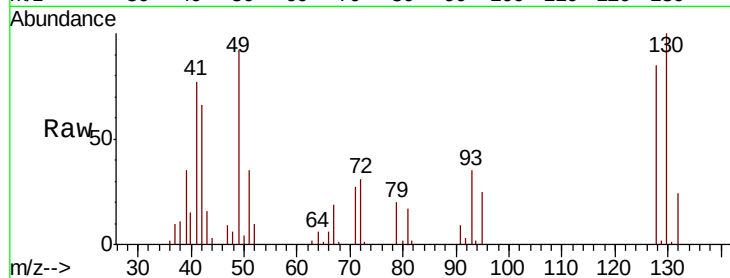




#41
Methacrylonitrile
Concen: 20.806 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

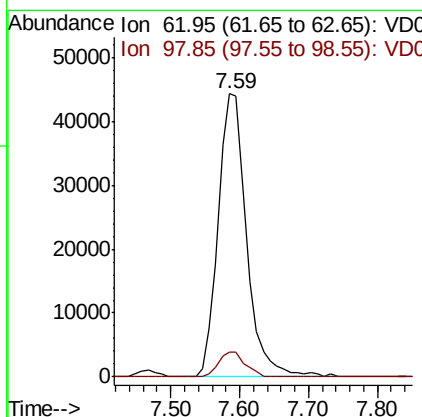
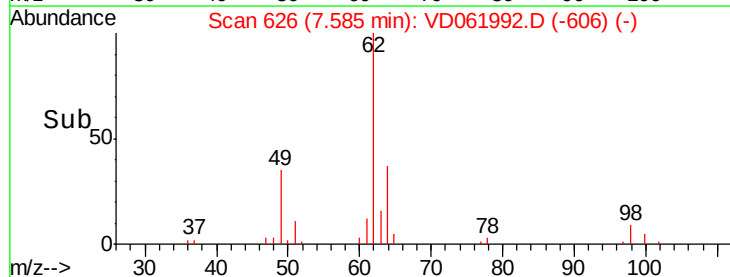
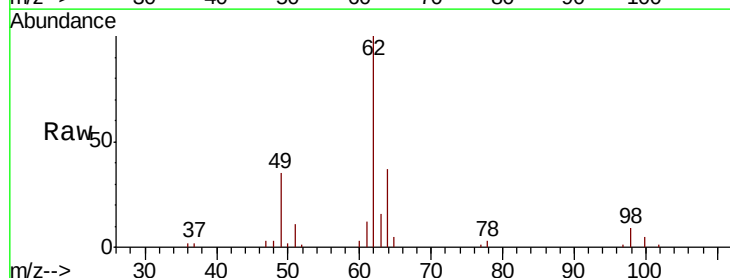
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

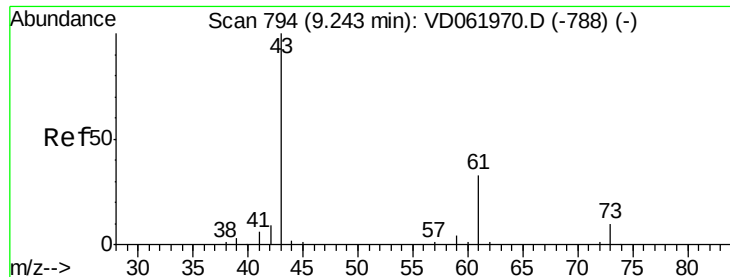
Tgt Ion: 41 Resp: 78274
Ion Ratio Lower Upper
41 100
39 45.9 34.1 51.1
67 25.0 23.8 35.6
52 13.5 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 19.886 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 62 Resp: 126479
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.8

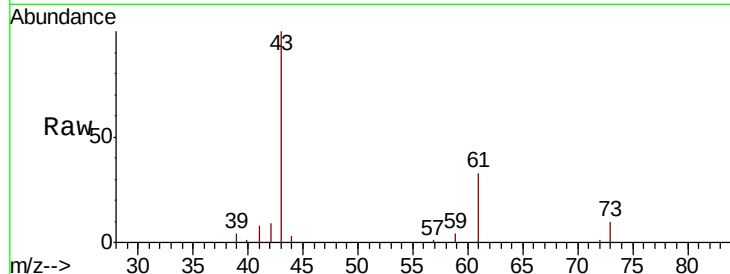




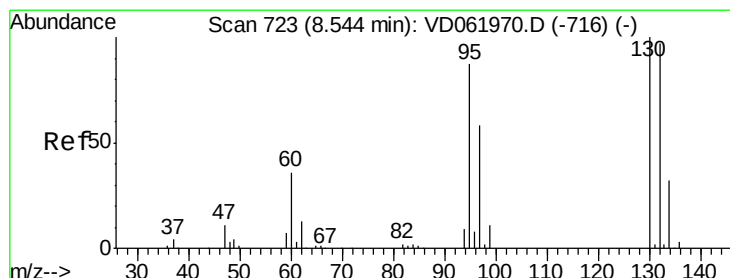
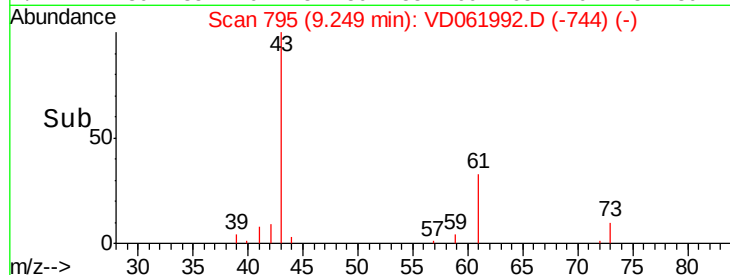
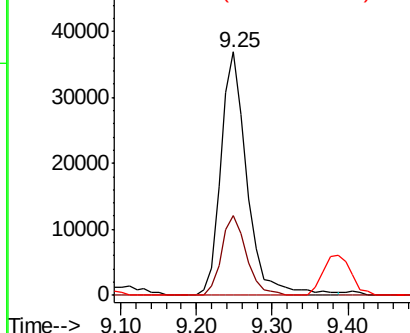
#43
Isopropyl Acetate
Concen: 18.848 ug/l
RT: 9.25 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

Tgt Ion: 43 Resp: 88799
Ion Ratio Lower Upper
43 100
61 33.0 25.1 37.7
87 0.0 0.0 0.0

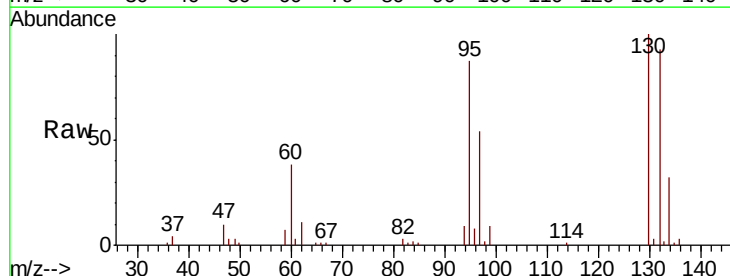


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

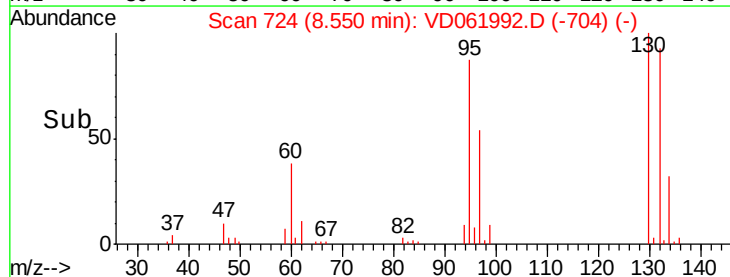
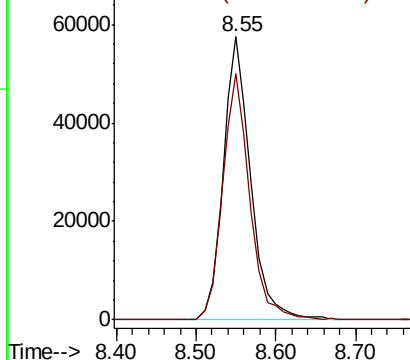


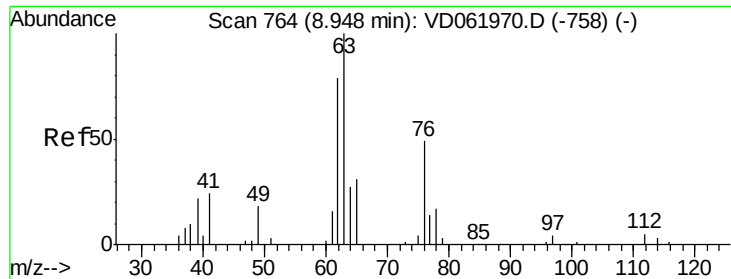
#44
Trichloroethene
Concen: 18.971 ug/l
RT: 8.55 min Scan# 724
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 130 Resp: 137775
Ion Ratio Lower Upper
130 100
95 87.0 0.0 174.0



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

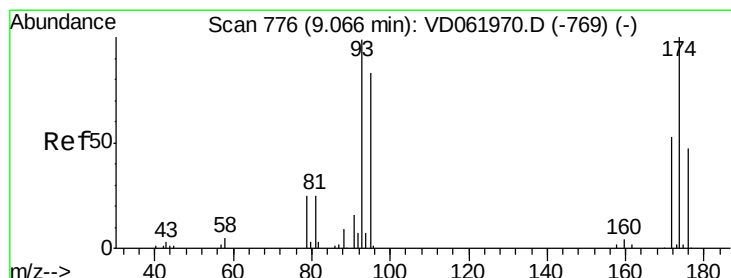
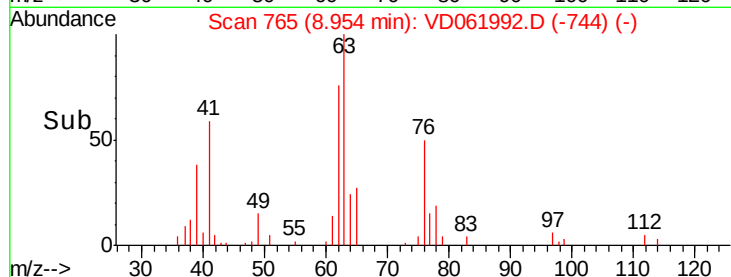
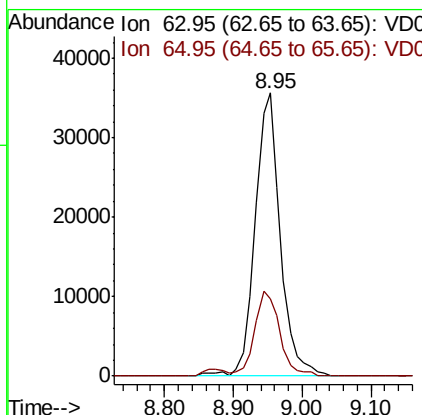
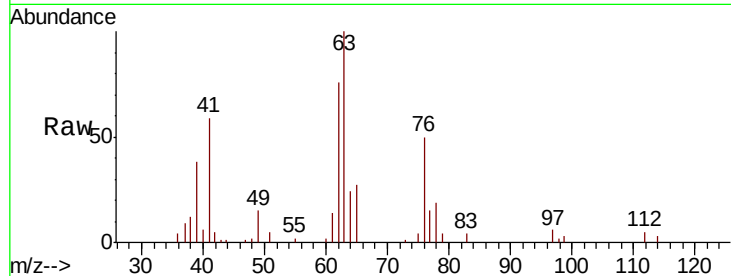




#45
 1,2-Dichloropropane
 Concen: 19.044 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

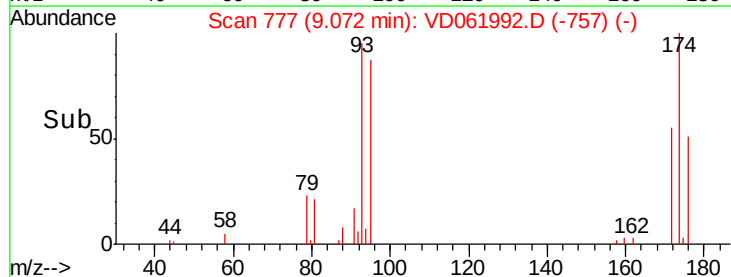
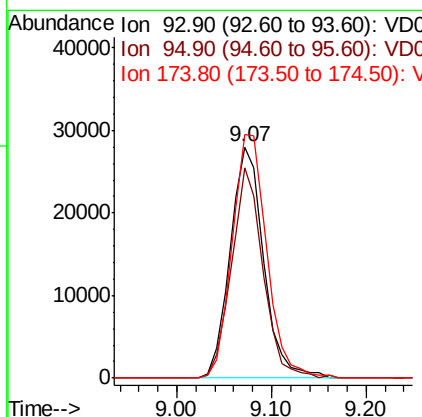
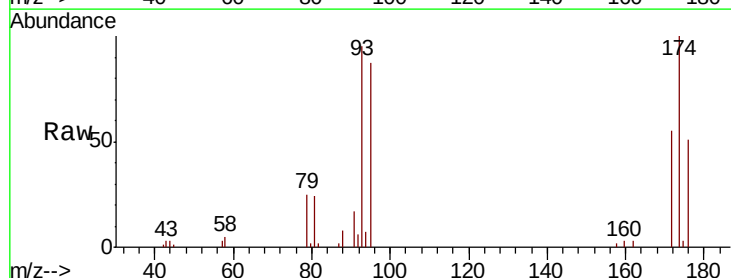
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

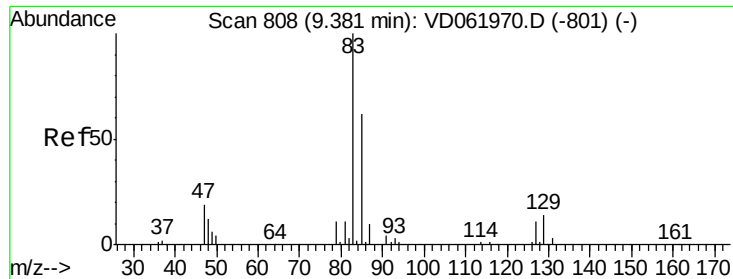
Tgt Ion: 63 Resp: 90502
 Ion Ratio Lower Upper
 63 100
 65 27.4 23.8 35.6



#46
 Dibromomethane
 Concen: 20.033 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion: 93 Resp: 68501
 Ion Ratio Lower Upper
 93 100
 95 91.2 64.8 97.2
 174 105.2 79.3 118.9





#47

Bromodichloromethane

Concen: 18.688 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBSD01

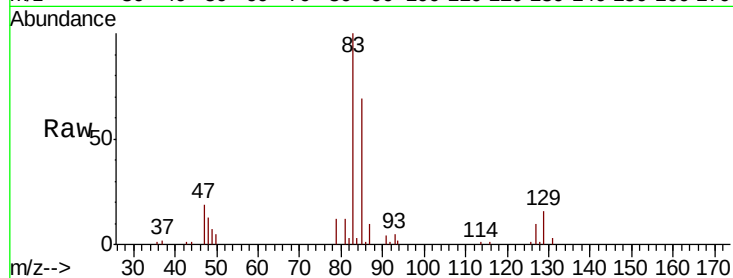
Tgt Ion: 83 Resp: 150990

Ion Ratio Lower Upper

83 100

85 68.7 50.9 76.3

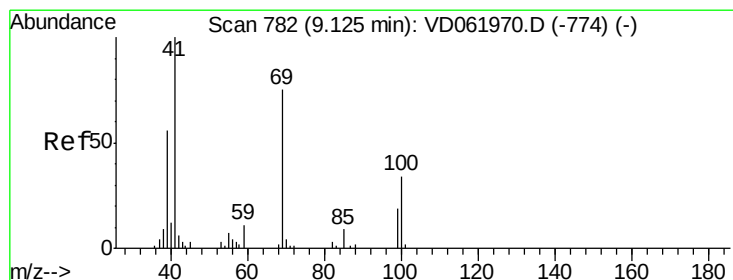
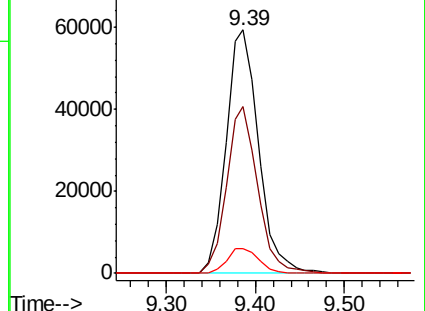
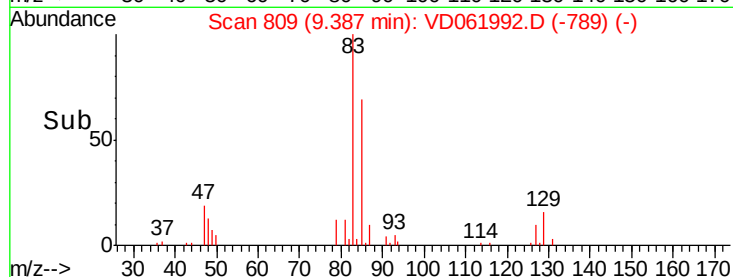
127 10.1 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.992 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

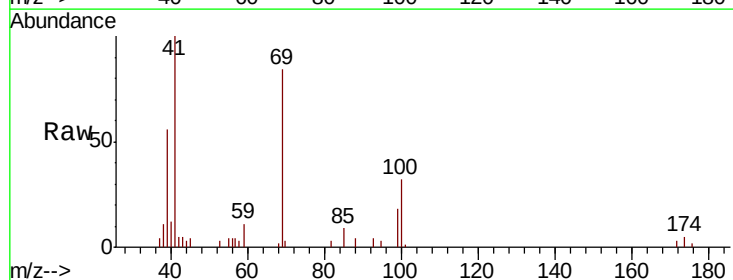
Tgt Ion: 41 Resp: 53739

Ion Ratio Lower Upper

41 100

69 84.4 64.2 96.2

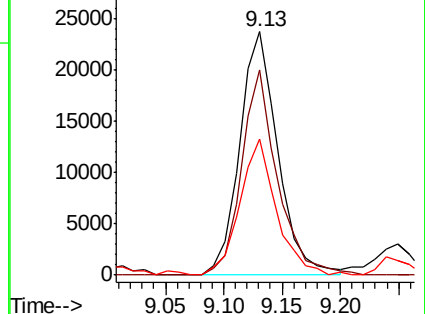
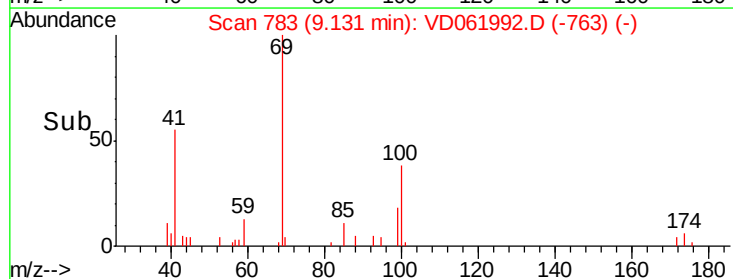
39 56.0 46.8 70.2

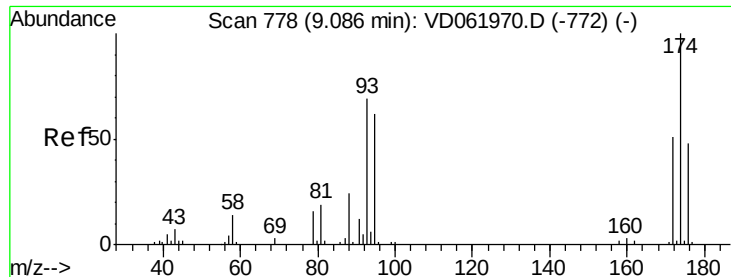


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

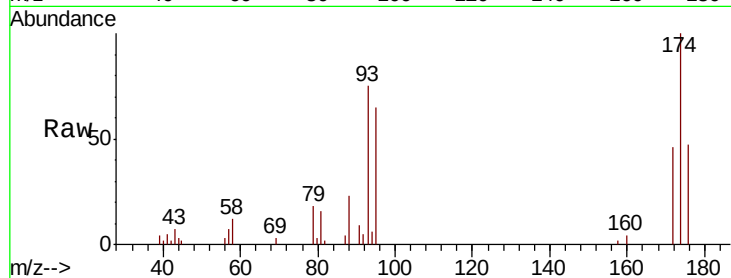




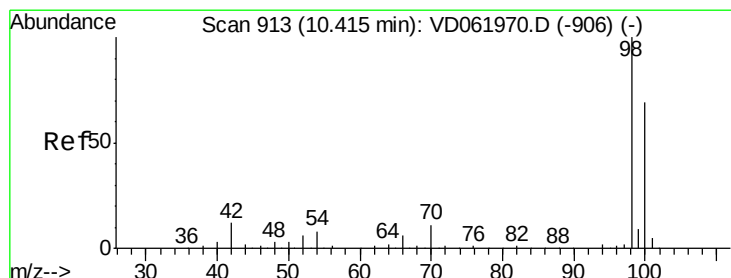
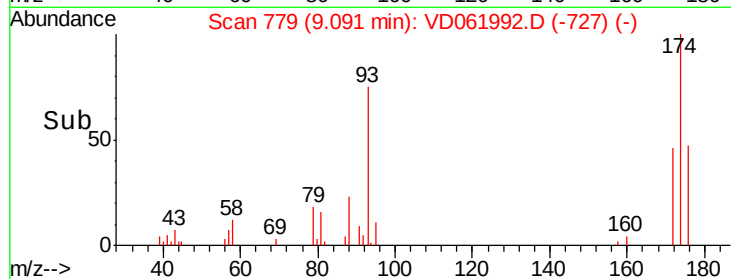
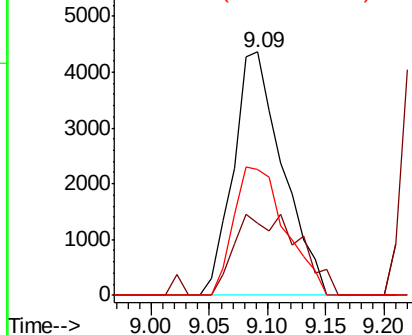
#49
1,4-Dioxane
Concen: 442.023 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

Tgt Ion: 88 Resp: 12810
Ion Ratio Lower Upper
88 100
43 29.8 23.4 35.0
58 51.5 44.0 66.0

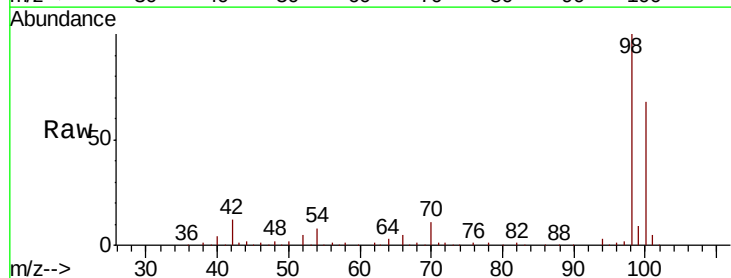


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

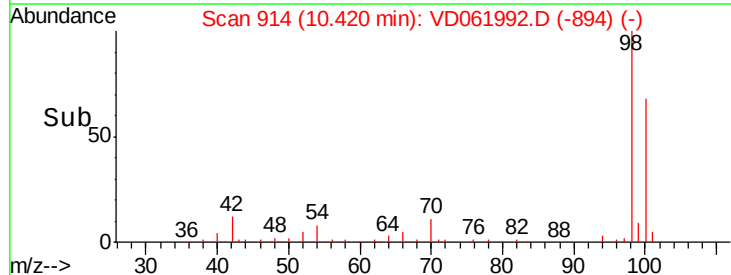
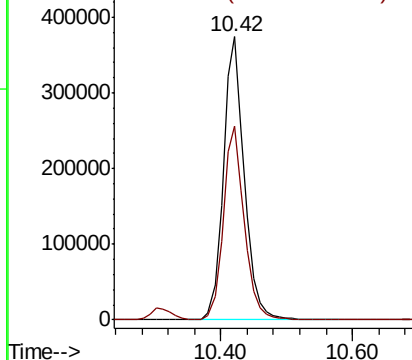


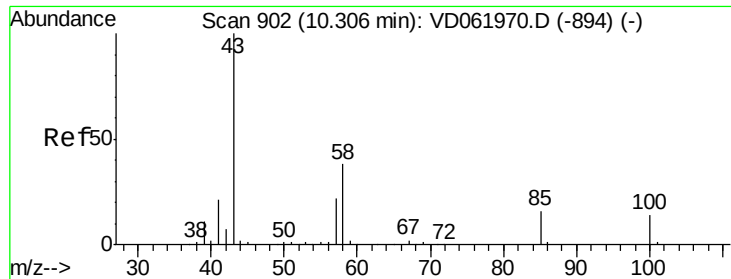
#50
Toluene-d8
Concen: 442.023 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 98 Resp: 827644
Ion Ratio Lower Upper
98 100
100 68.3 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: 101.438 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

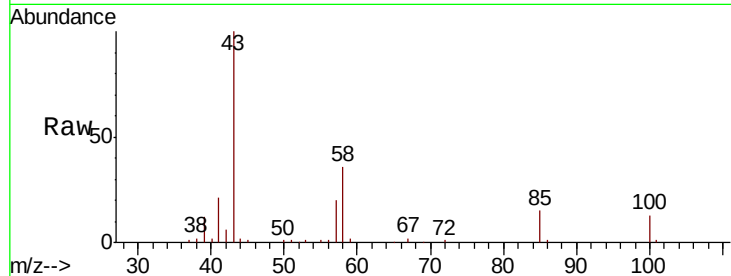
VD0424SBS01

Tgt Ion: 43 Resp: 292266

Ion Ratio Lower Upper

43 100

58 36.4 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

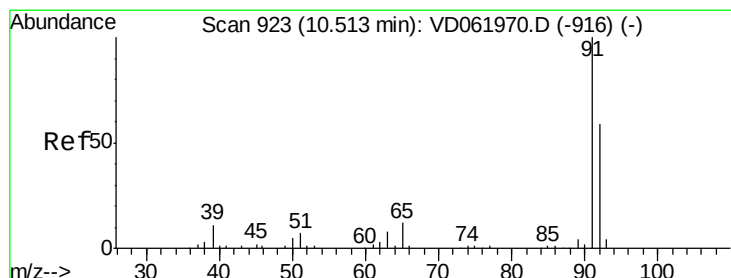
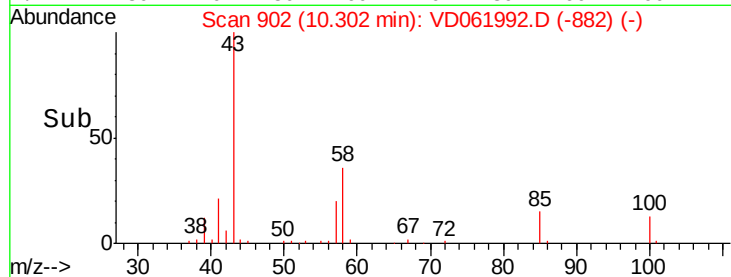
10.30

100000

50000

0

Time-->



#52

Toluene

Concen: 18.698 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD061992.D

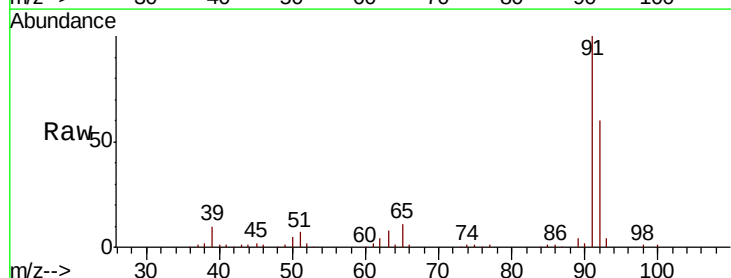
Acq: 24 Apr 2019 12:32

Tgt Ion: 92 Resp: 223325

Ion Ratio Lower Upper

92 100

91 167.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

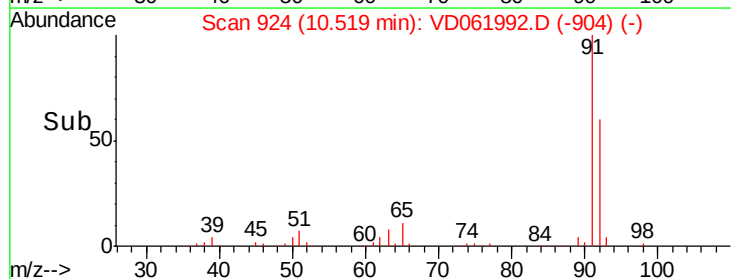
150000

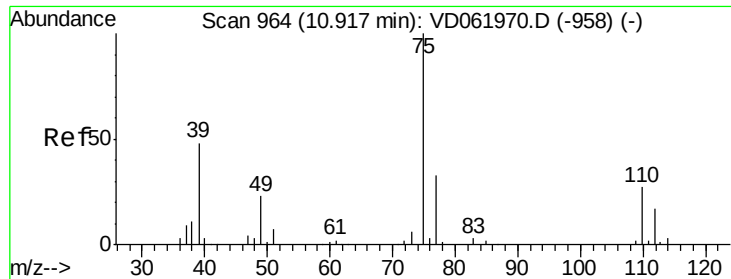
100000

50000

0

Time-->

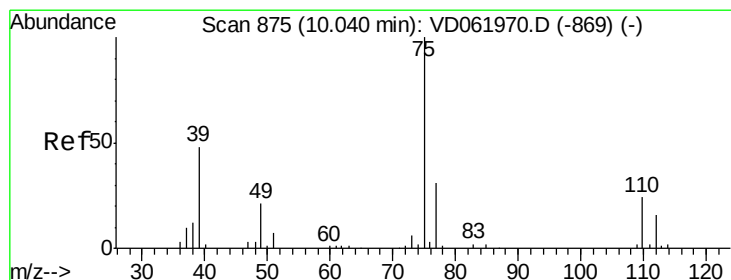
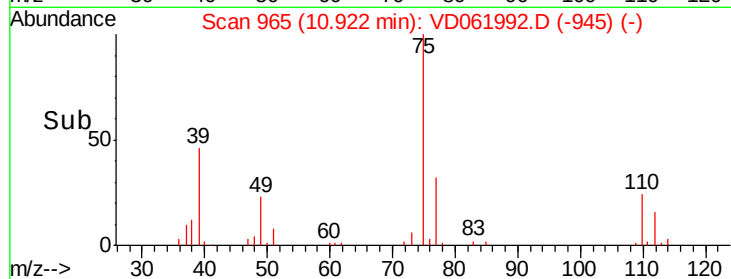
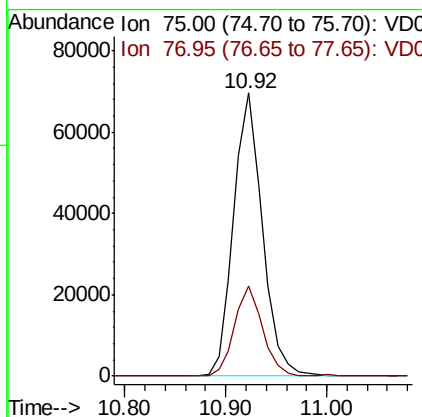
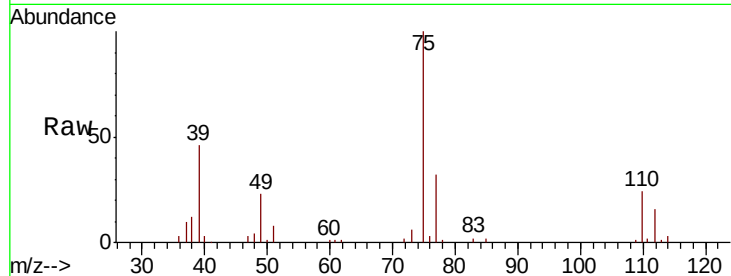




#53
 t-1,3-Dichloropropene
 Concen: 20.322 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

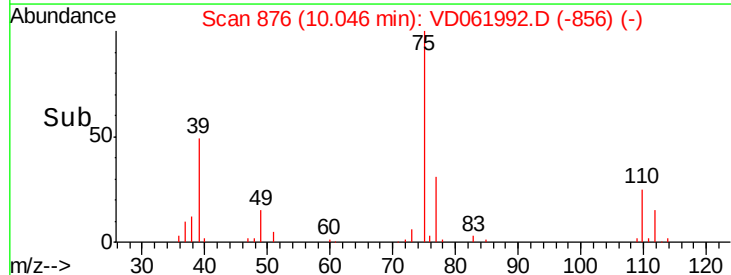
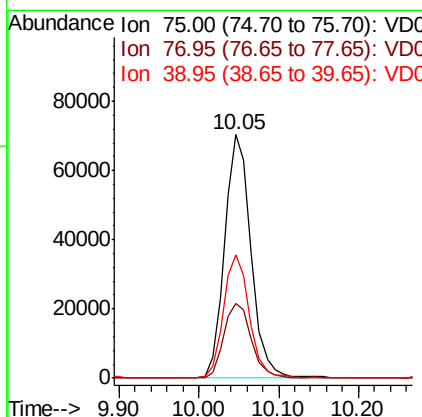
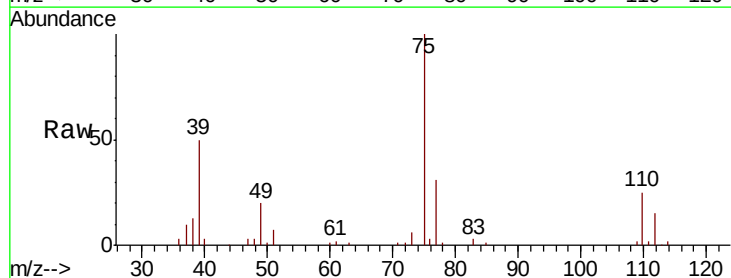
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

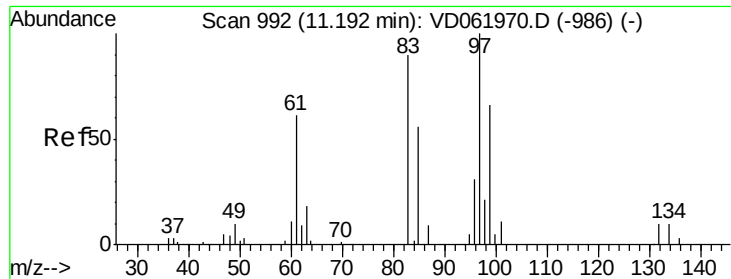
Tgt Ion: 75 Resp: 137823
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.830 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion: 75 Resp: 163566
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.5 38.3
 39 50.5 39.4 59.2

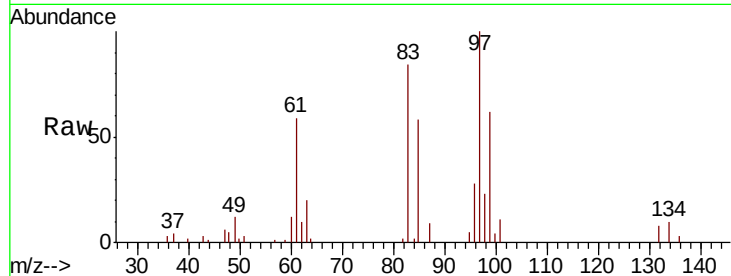




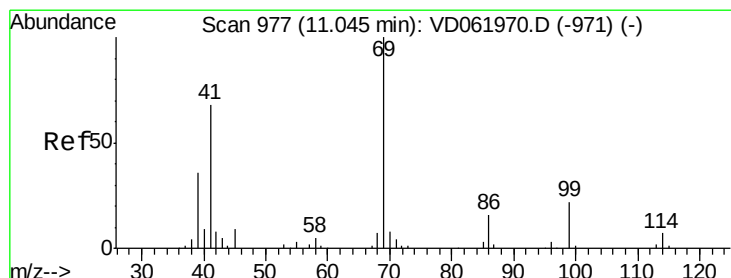
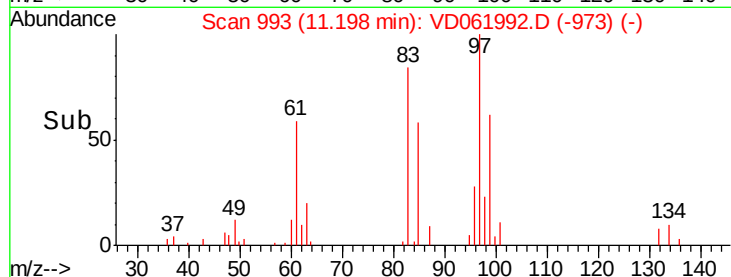
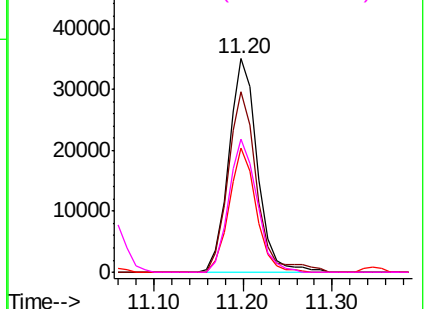
#55
 1,1,2-Trichloroethane
 Concen: 19.653 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

Tgt Ion:	97	Resp:	78807
Ion	Ratio	Lower	Upper
97	100		
83	84.2	65.7	98.5
85	58.2	45.6	68.4
99	62.4	48.4	72.6

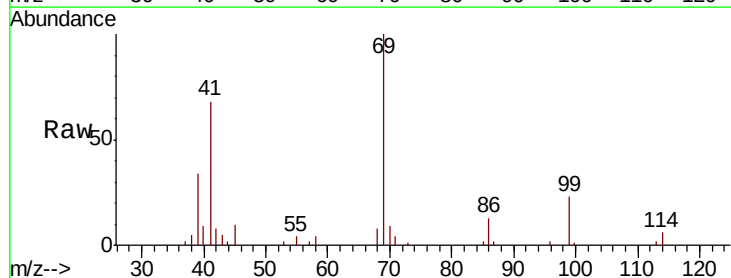


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

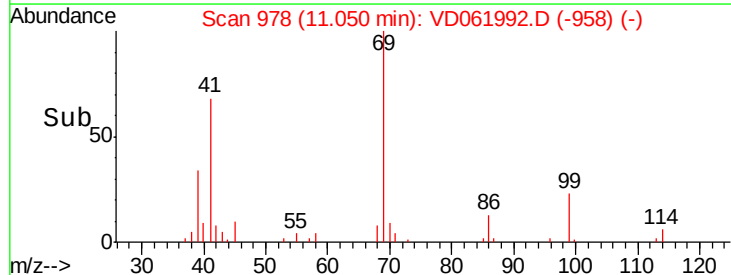
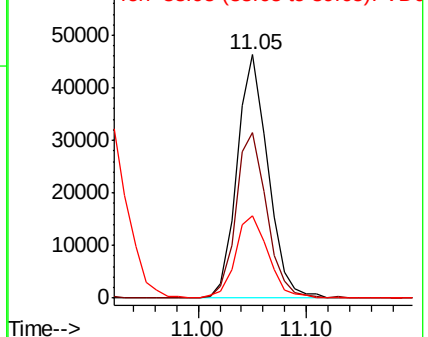


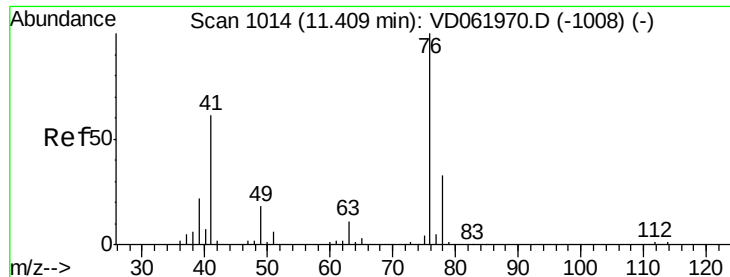
#56
 Ethyl methacrylate
 Concen: 20.723 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion:	69	Resp:	92032
Ion	Ratio	Lower	Upper
69	100		
41	68.2	56.3	84.5
39	33.7	29.4	44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 18.259 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

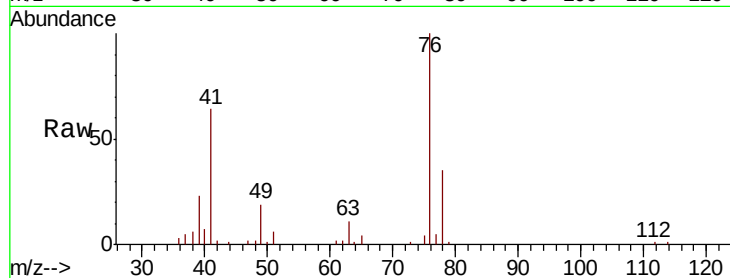
VD0424SBSD01

Tgt Ion: 76 Resp: 113081

Ion Ratio Lower Upper

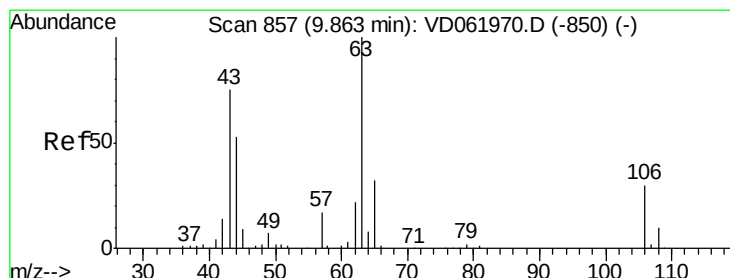
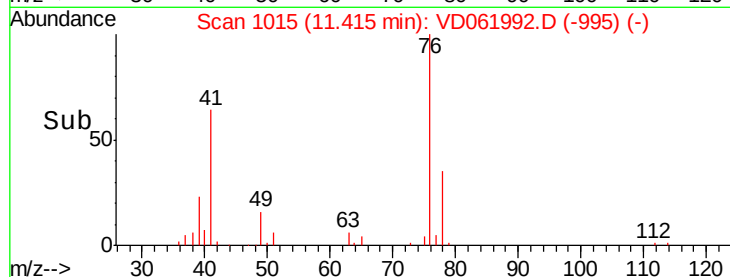
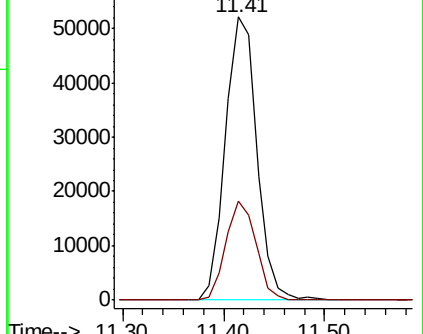
76 100

78 35.1 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 116.606 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD061992.D

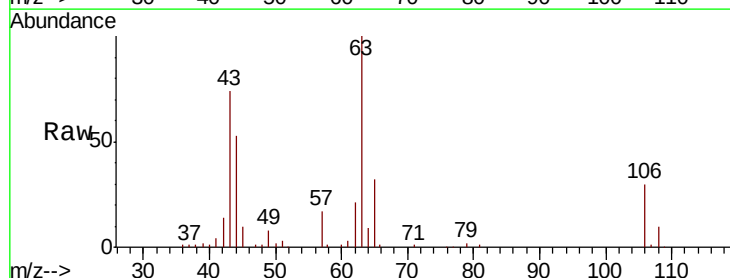
Acq: 24 Apr 2019 12:32

Tgt Ion: 63 Resp: 240766

Ion Ratio Lower Upper

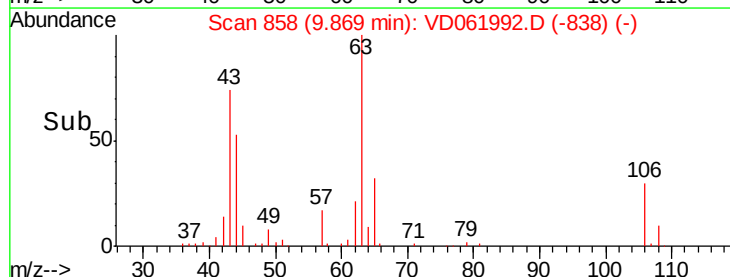
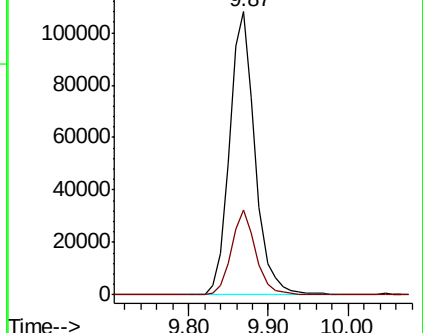
63 100

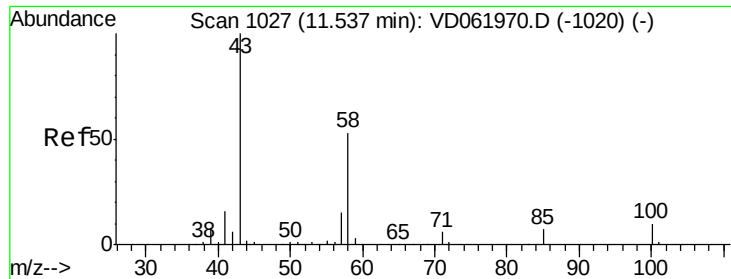
106 30.2 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

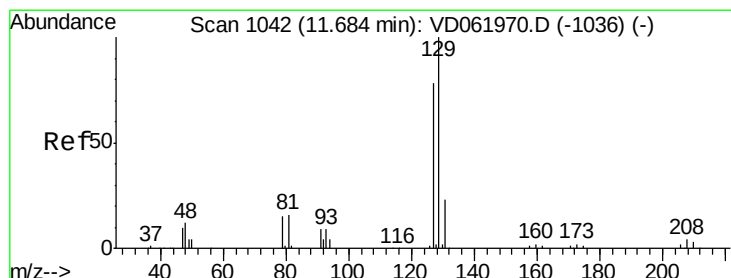
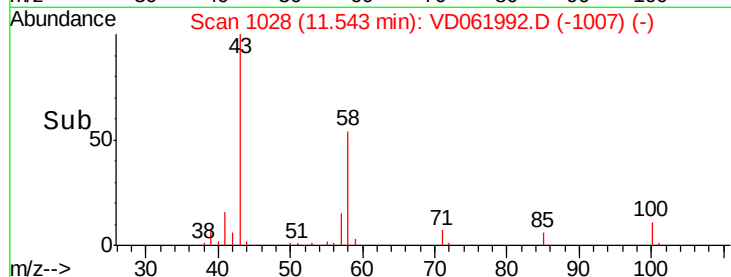
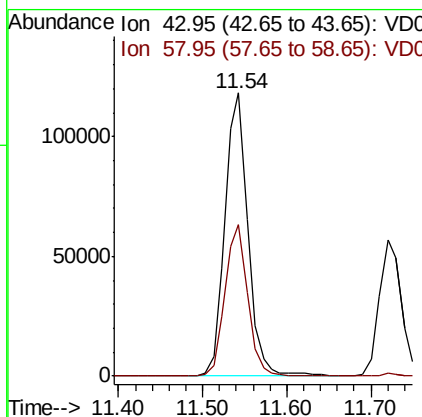
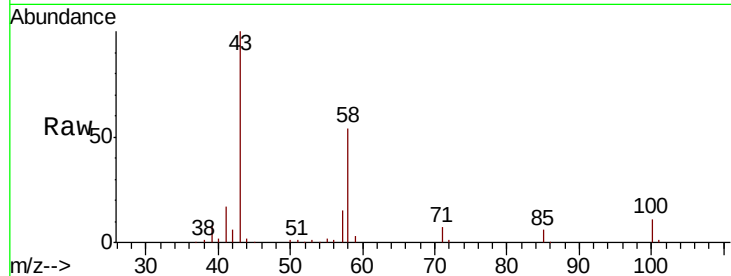




#59
2-Hexanone
Concen: 103.496 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

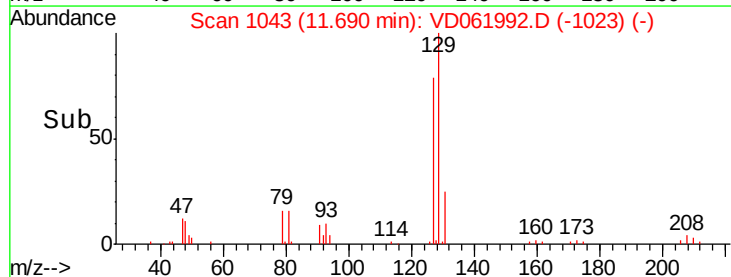
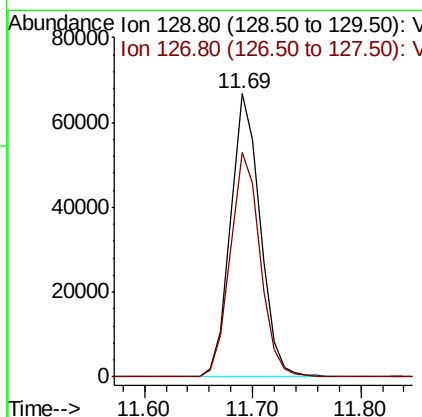
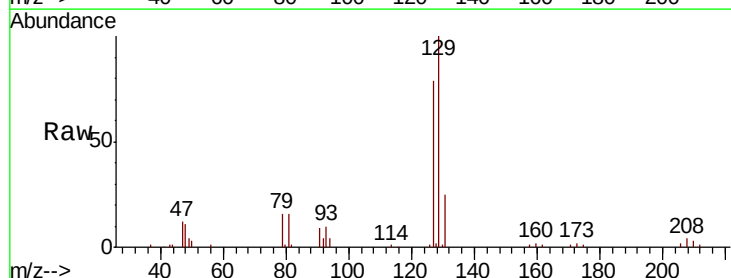
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

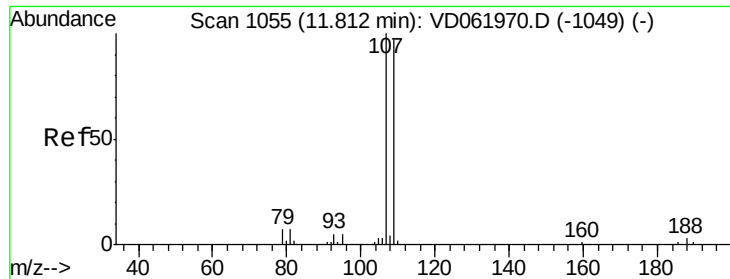
Tgt Ion: 43 Resp: 223690
Ion Ratio Lower Upper
43 100
58 53.7 25.4 76.4



#60
Dibromochloromethane
Concen: 19.206 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 129 Resp: 127426
Ion Ratio Lower Upper
129 100
127 79.5 38.0 113.9

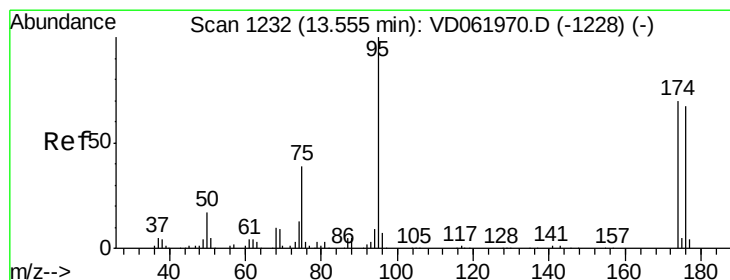
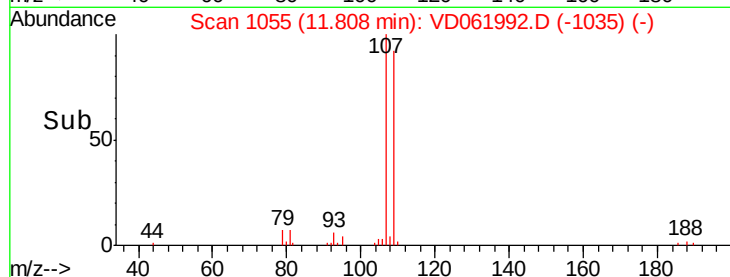
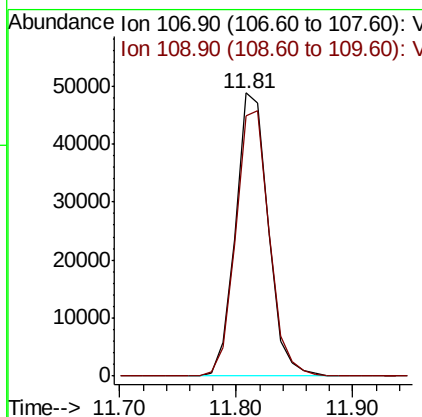
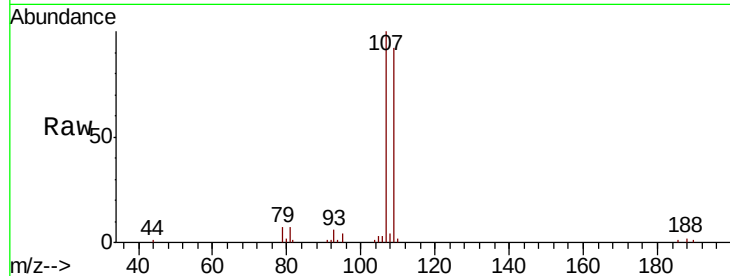




#61
 1,2-Dibromoethane
 Concen: 19.891 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

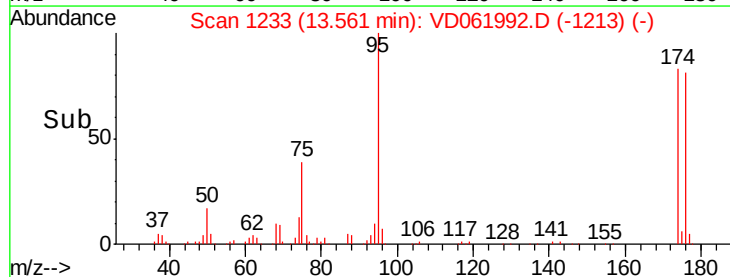
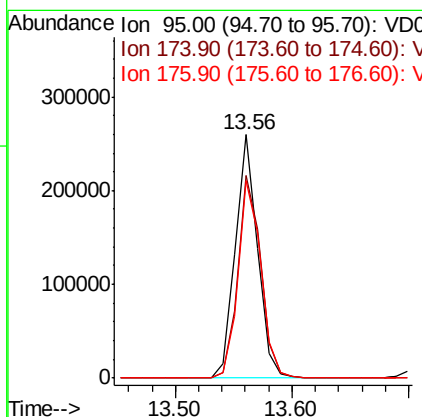
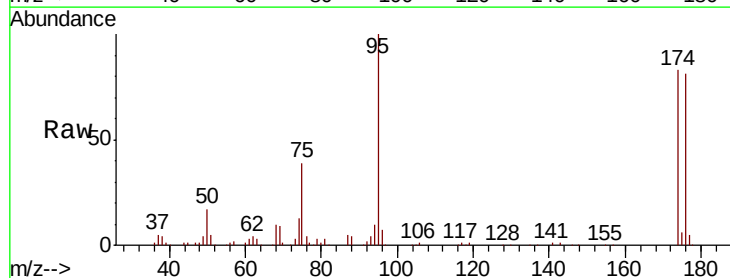
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

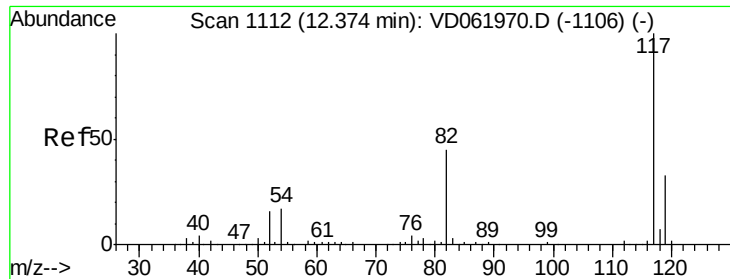
Tgt Ion: 107 Resp: 94617
 Ion Ratio Lower Upper
 107 100
 109 91.9 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 19.891 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion: 95 Resp: 342220
 Ion Ratio Lower Upper
 95 100
 174 83.4 0.0 181.8
 176 81.0 0.0 174.4

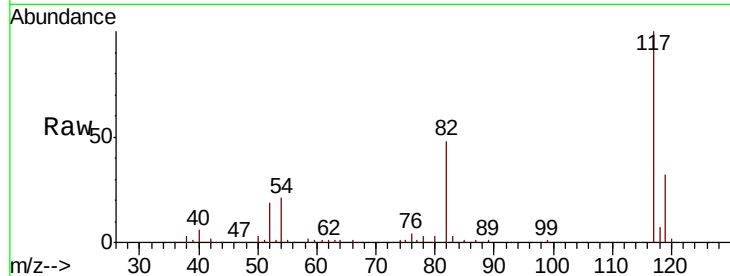




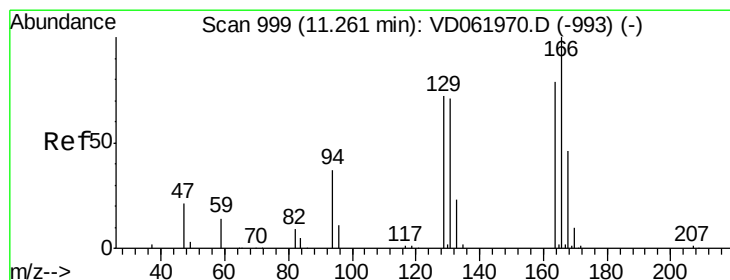
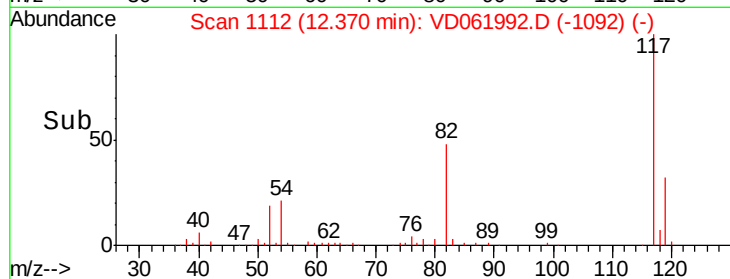
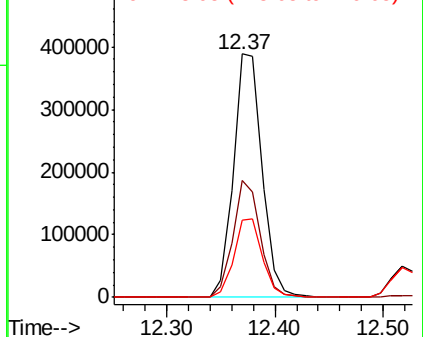
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

Tgt Ion:117 Resp: 713606
Ion Ratio Lower Upper
117 100
82 48.2 36.2 54.2
119 31.7 26.2 39.4

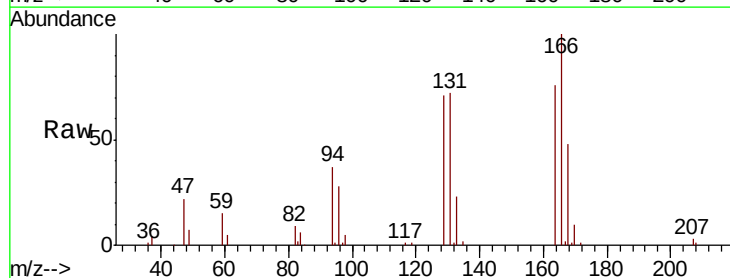


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

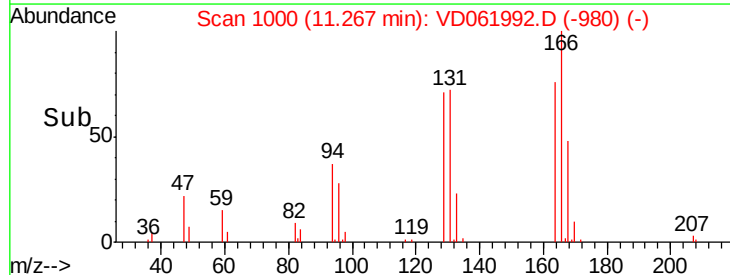
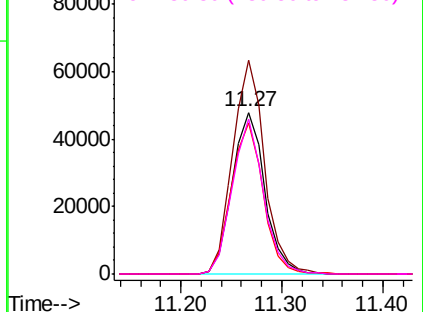


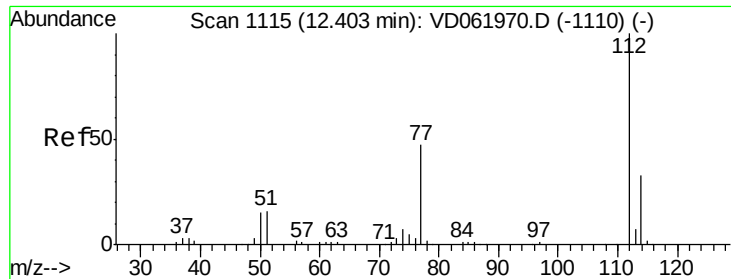
#64
Tetrachloroethene
Concen: 21.123 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion:164 Resp: 107527
Ion Ratio Lower Upper
164 100
166 132.4 101.5 152.3
129 93.5 74.6 112.0
131 95.9 72.6 108.8



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

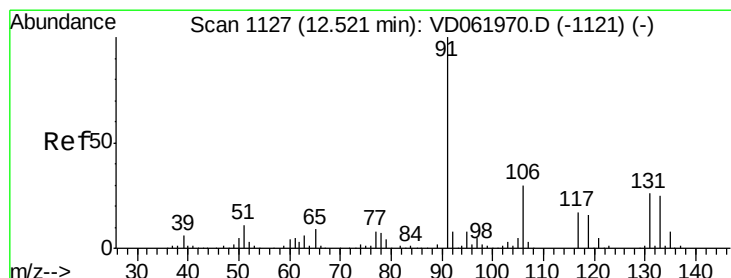
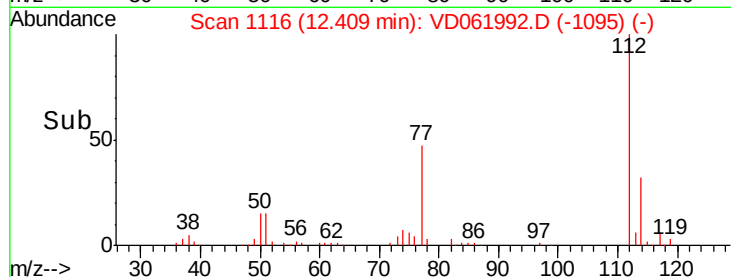
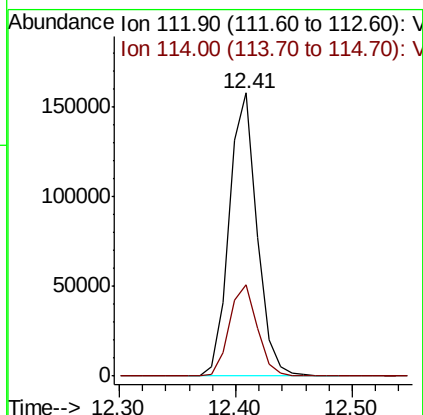
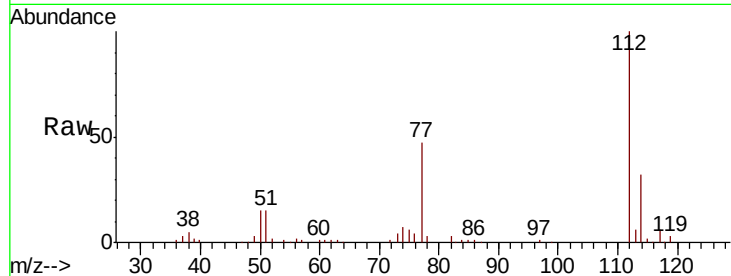




#65
Chlorobenzene
Concen: 19.353 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

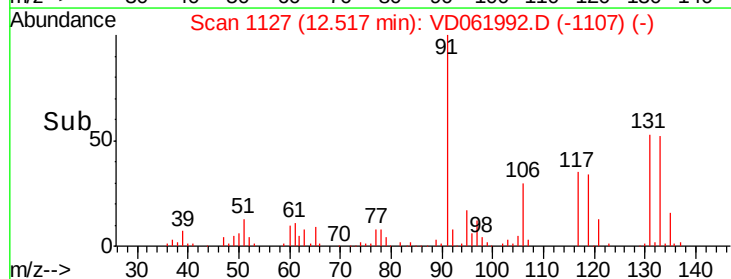
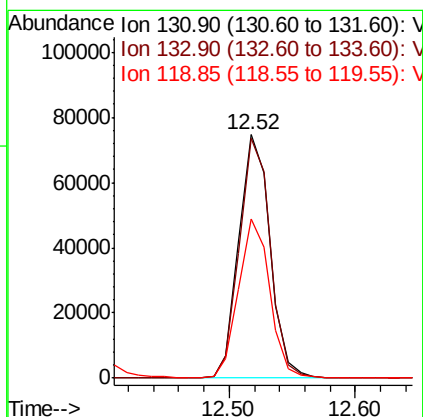
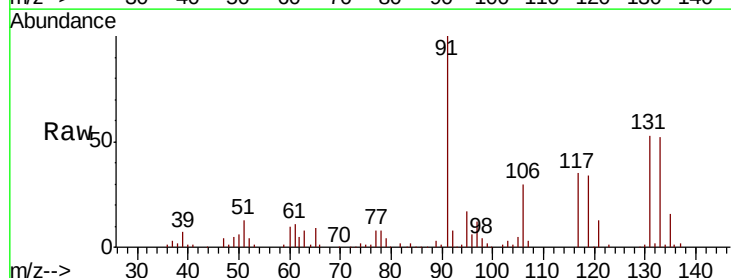
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

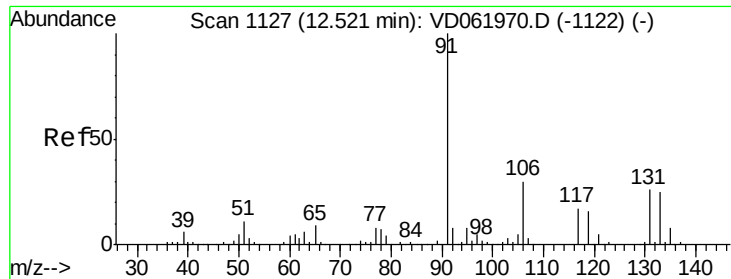
Tgt Ion:112 Resp: 260967
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.312 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion:131 Resp: 127624
Ion Ratio Lower Upper
131 100
133 98.3 48.6 145.8
119 65.1 34.7 104.1

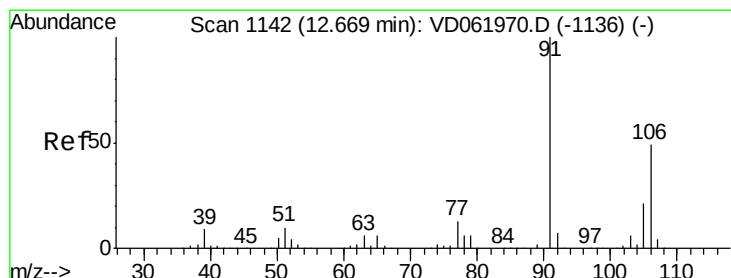
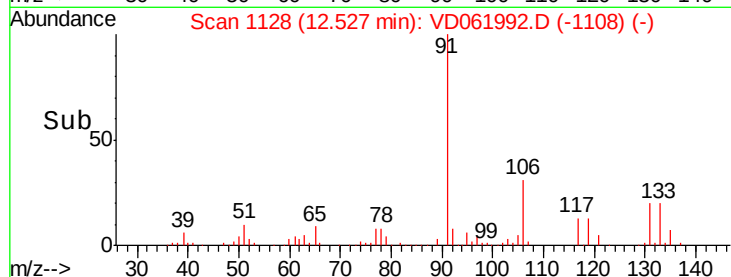
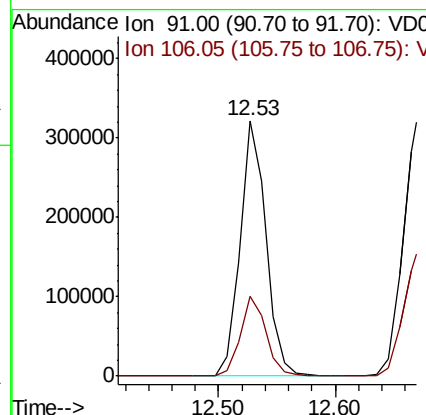
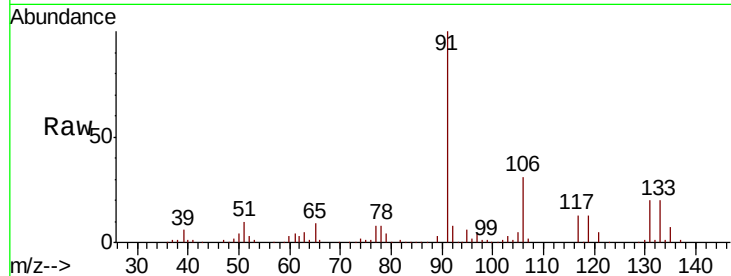




#67
Ethyl Benzene
Concen: 22.393 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

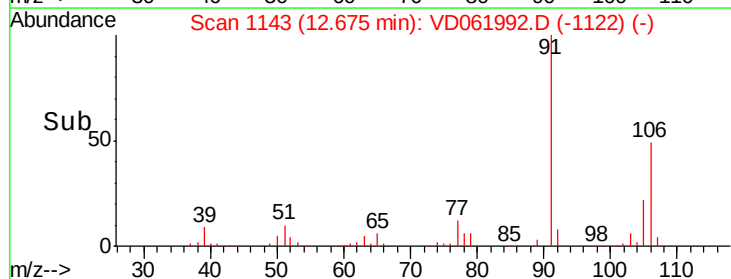
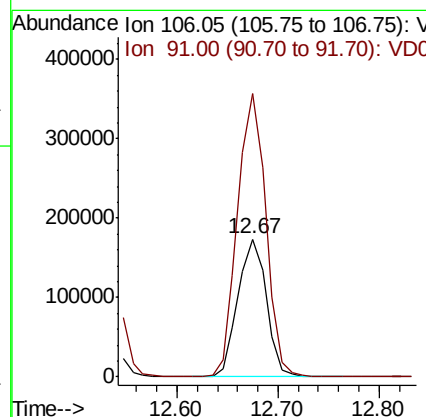
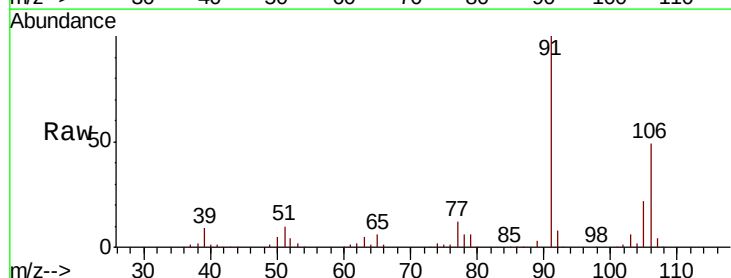
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBS01

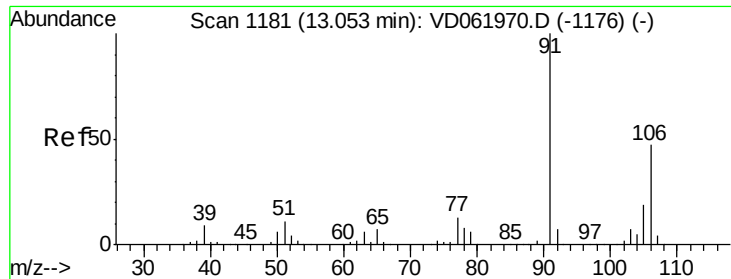
Tgt Ion: 91 Resp: 492856
Ion Ratio Lower Upper
91 100
106 31.2 24.7 37.1



#68
m/p-Xylenes
Concen: 43.049 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 106 Resp: 342446
Ion Ratio Lower Upper
106 100
91 205.5 164.0 246.0

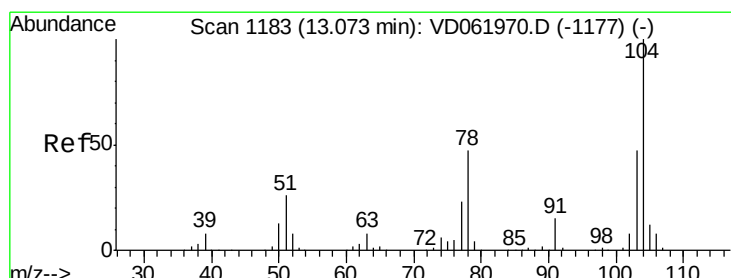
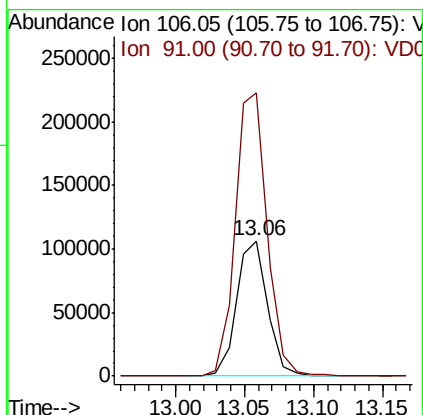
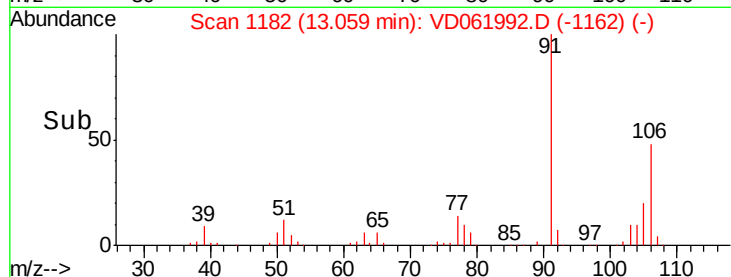
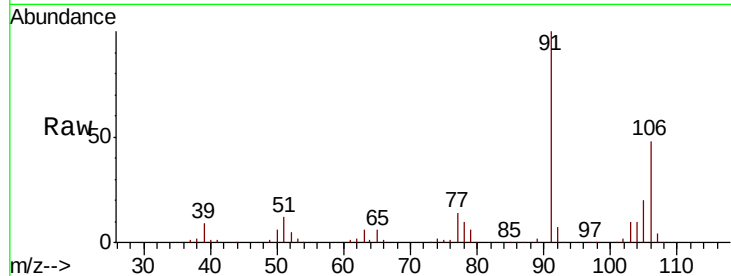




#69
o-Xylene
Concen: 22.728 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

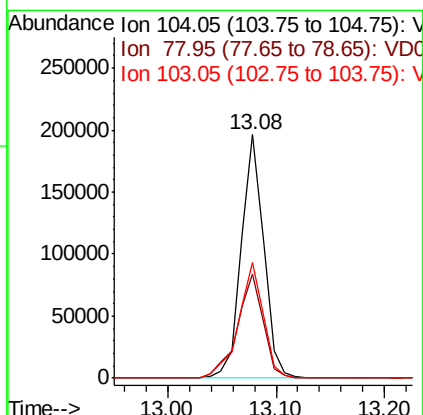
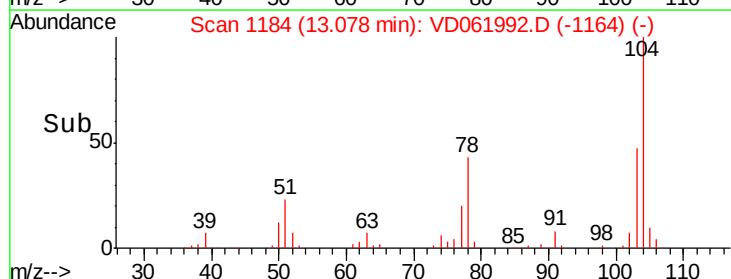
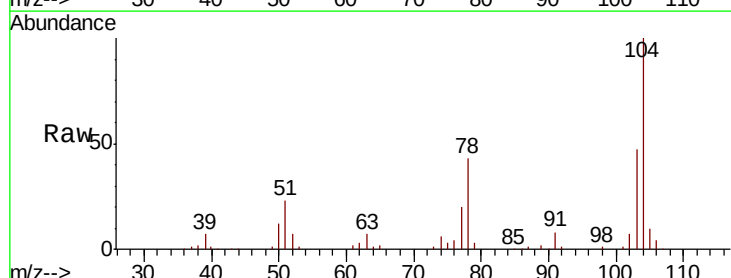
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

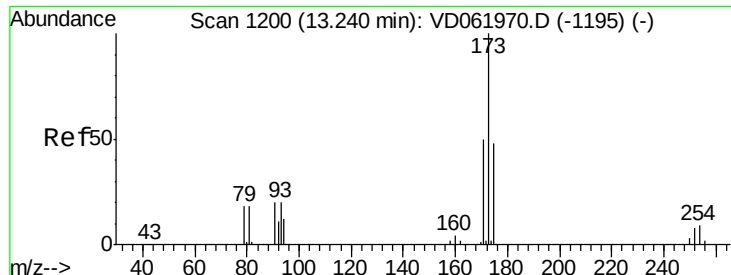
Tgt Ion:106 Resp: 165424
Ion Ratio Lower Upper
106 100
91 208.9 106.7 319.9



#70
Styrene
Concen: 22.479 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion:104 Resp: 282510
Ion Ratio Lower Upper
104 100
78 42.6 35.4 53.2
103 47.5 37.5 56.3





#71

Bromoform

Concen: 22.726 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

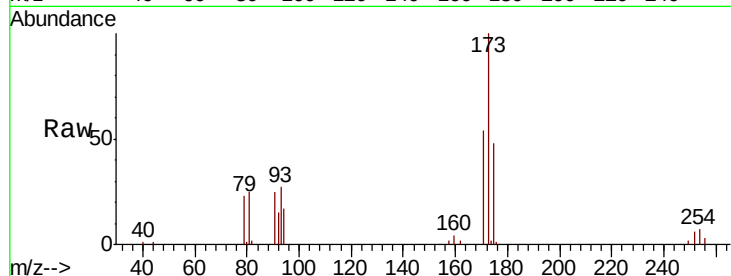
Tgt Ion:173 Resp: 74110

Ion Ratio Lower Upper

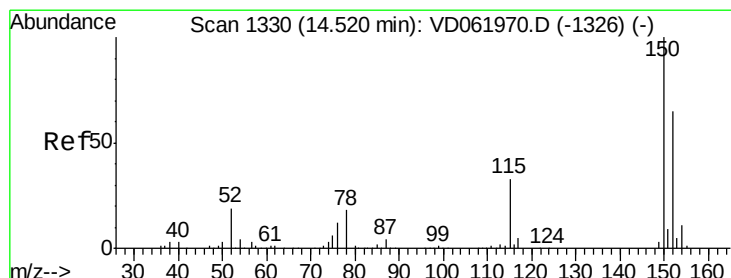
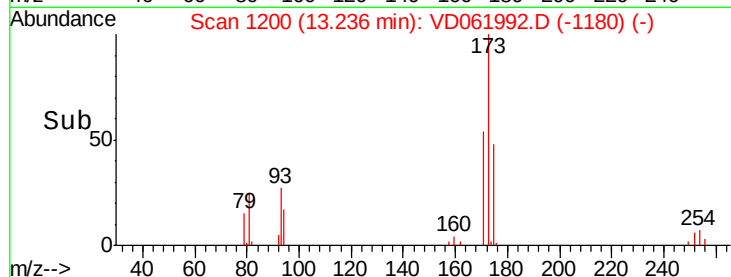
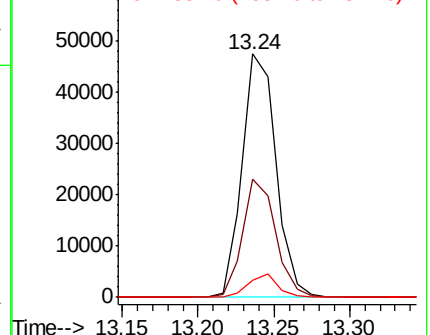
173 100

175 48.4 24.4 73.4

254 6.8 5.4 8.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

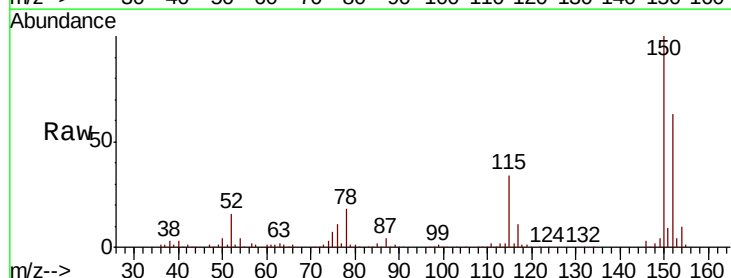
Tgt Ion:152 Resp: 393279

Ion Ratio Lower Upper

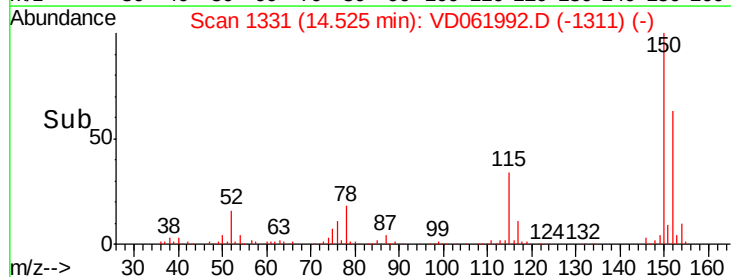
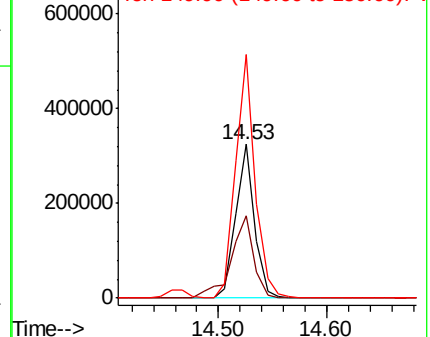
152 100

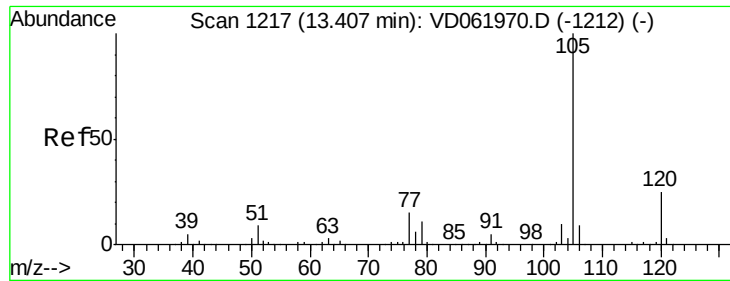
115 53.8 30.9 92.7

150 158.7 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: 16.531 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

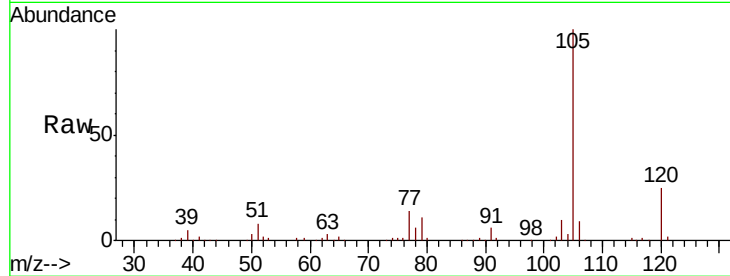
VD0424SBS01

Tgt Ion: 105 Resp: 433687

Ion Ratio Lower Upper

105 100

120 25.3 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

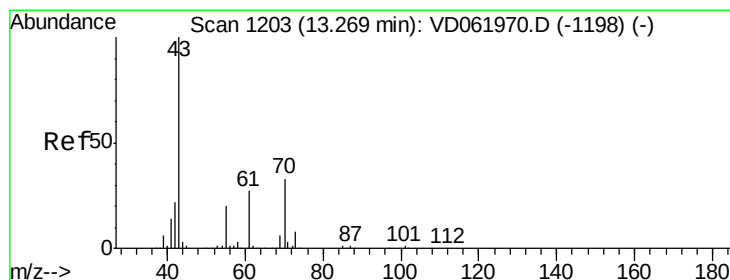
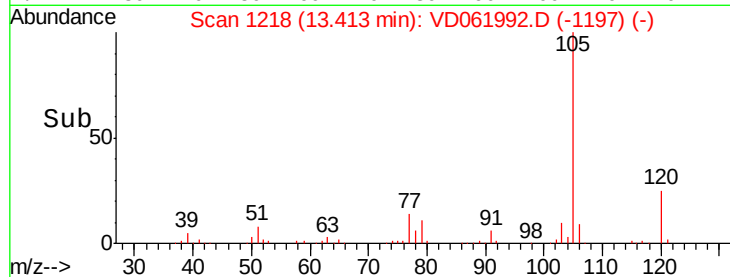
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-amy acetate

Concen: 17.739 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Tgt Ion: 43 Resp: 119852

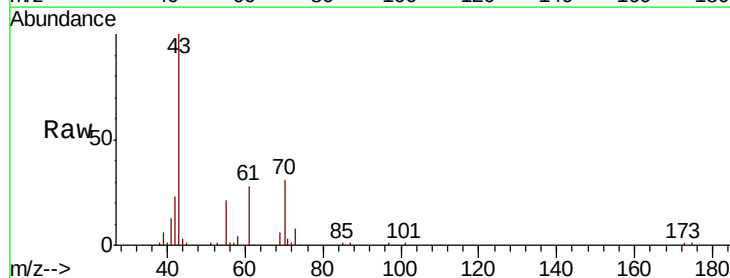
Ion Ratio Lower Upper

43 100

70 31.0 24.2 36.4

55 20.7 16.0 24.0

61 27.9 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

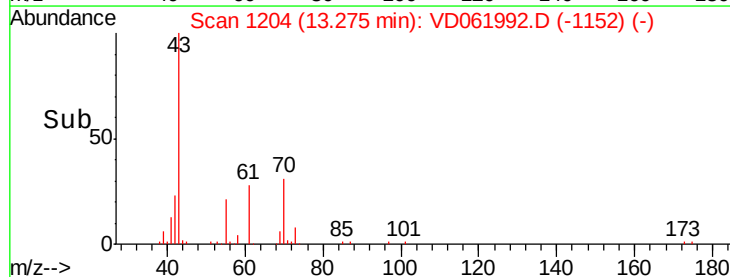
60000

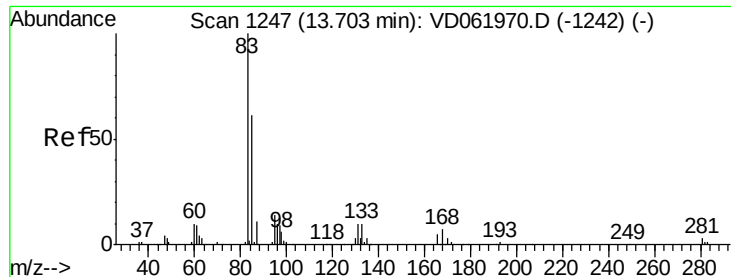
40000

20000

0

Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 17.099 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBS01

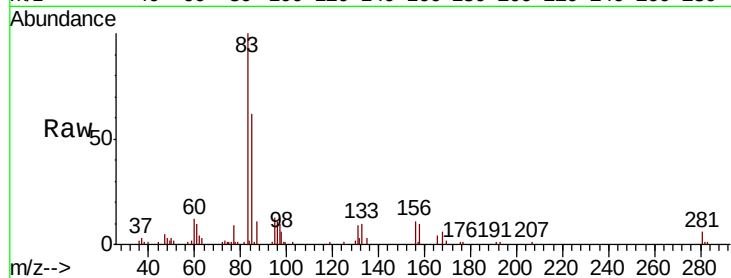
Tgt Ion: 83 Resp: 87903

Ion Ratio Lower Upper

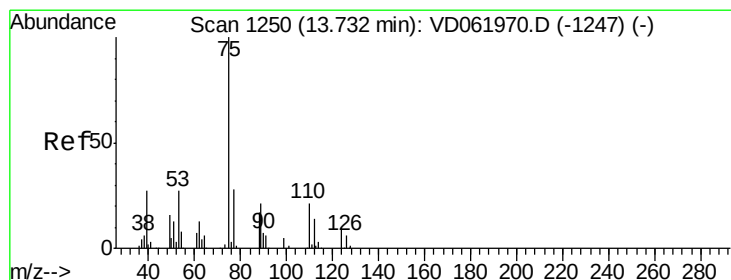
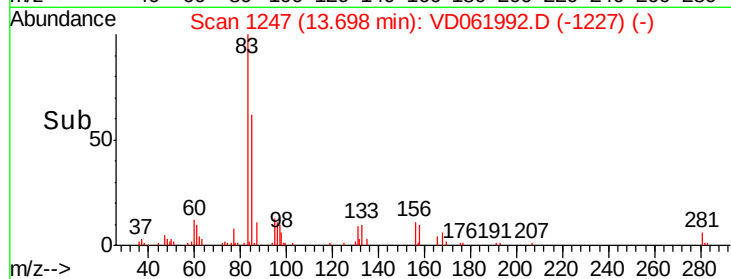
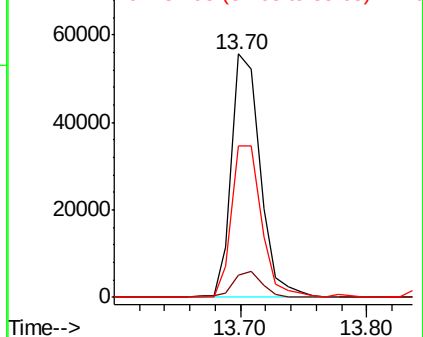
83 100

131 9.3 5.0 14.9

85 62.5 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: 18.086 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061992.D

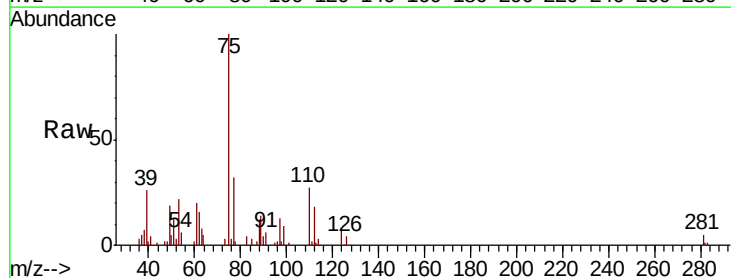
Acq: 24 Apr 2019 12:32

Tgt Ion: 75 Resp: 90321

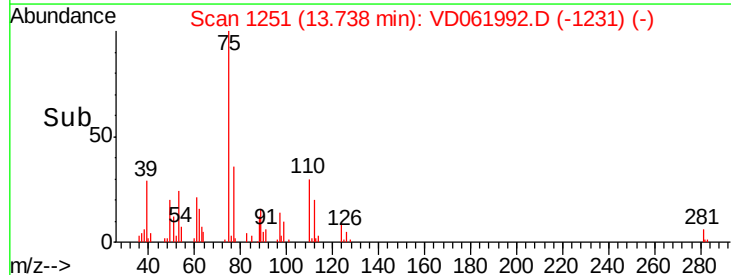
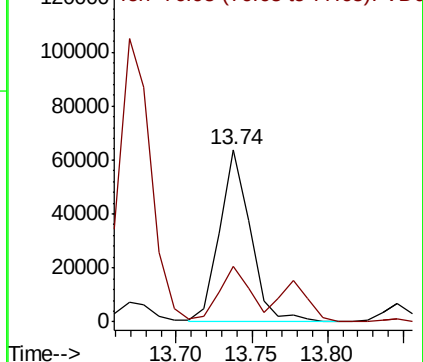
Ion Ratio Lower Upper

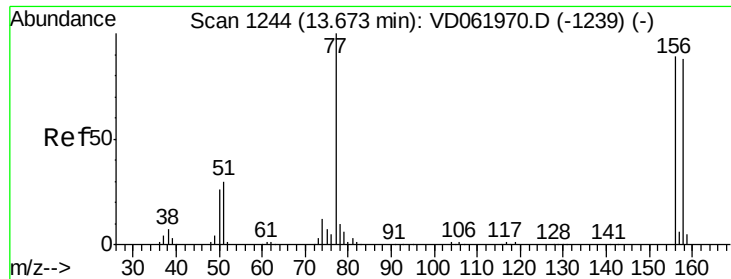
75 100

77 32.4 16.4 49.4



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





#77

Bromobenzene

Concen: 17.138 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBSD01

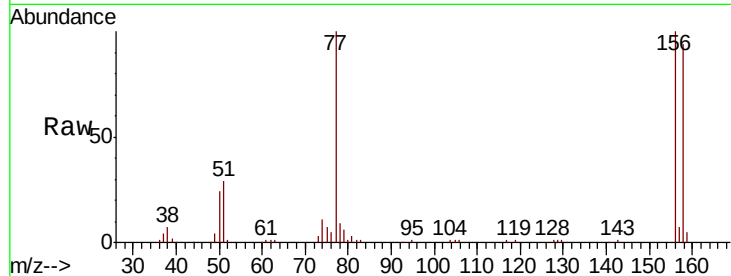
Tgt Ion:156 Resp: 128974

Ion Ratio Lower Upper

156 100

77 100.2 53.1 159.4

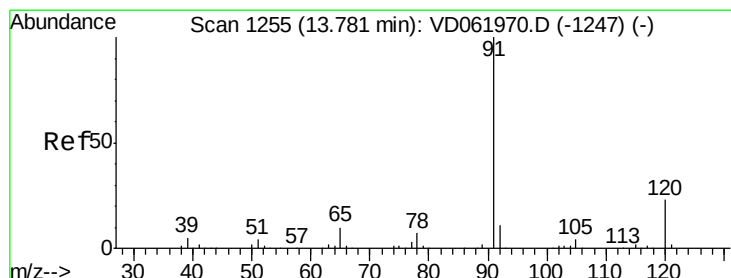
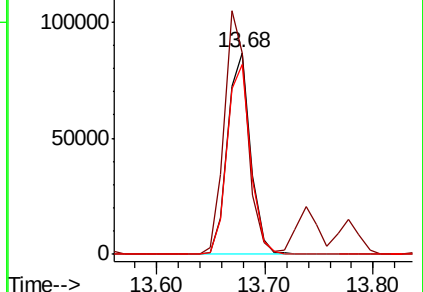
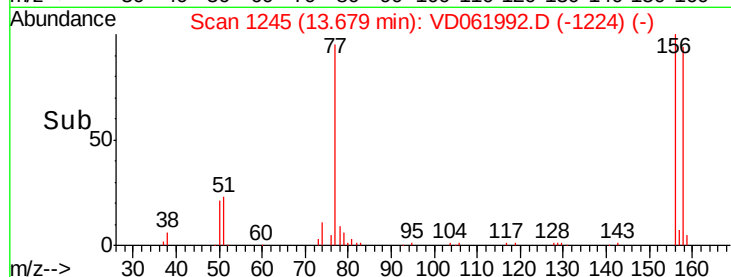
158 94.0 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 17.328 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061992.D

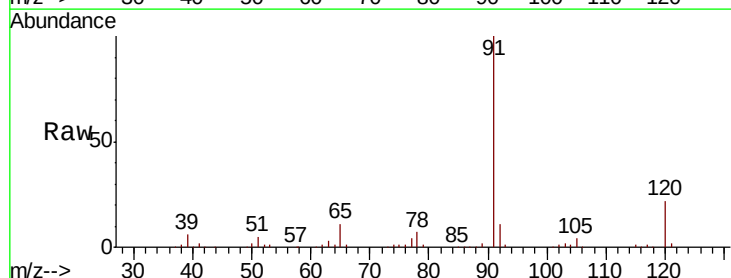
Acq: 24 Apr 2019 12:32

Tgt Ion: 91 Resp: 520389

Ion Ratio Lower Upper

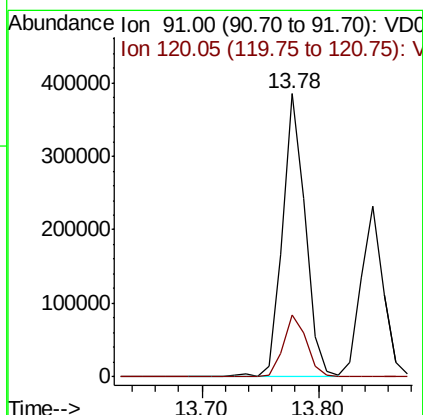
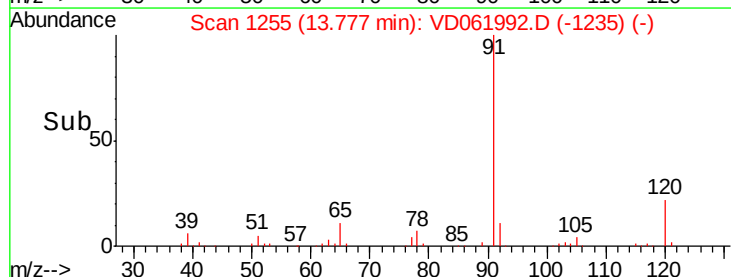
91 100

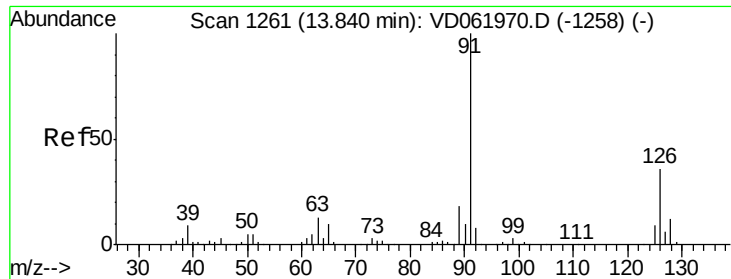
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 16.932 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

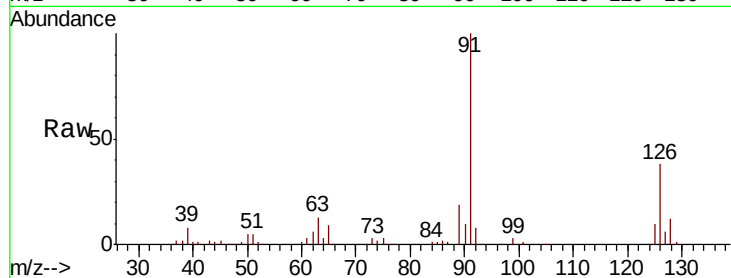
VD0424SBS01

Tgt Ion: 91 Resp: 308004

Ion Ratio Lower Upper

91 100

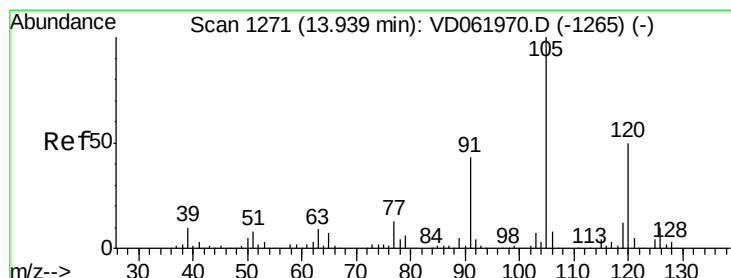
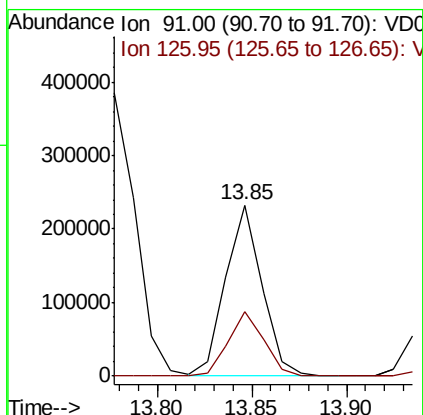
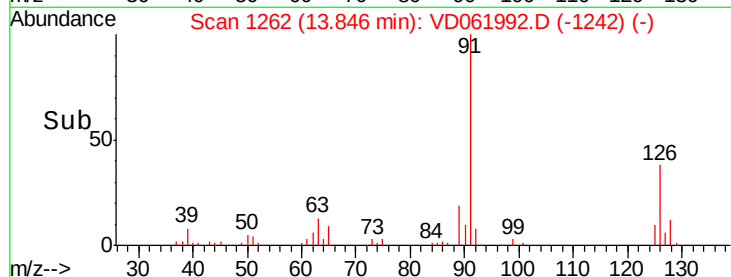
126 37.9 18.6 55.8



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

Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.006 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD061992.D

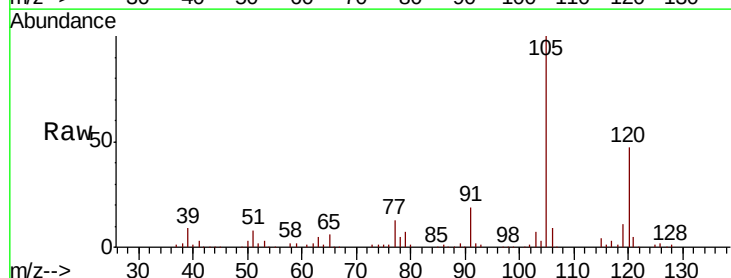
Acq: 24 Apr 2019 12:32

Tgt Ion: 105 Resp: 397570

Ion Ratio Lower Upper

105 100

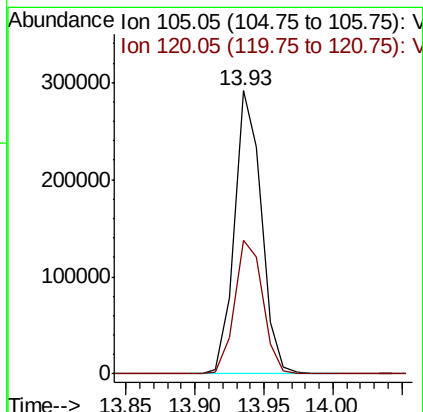
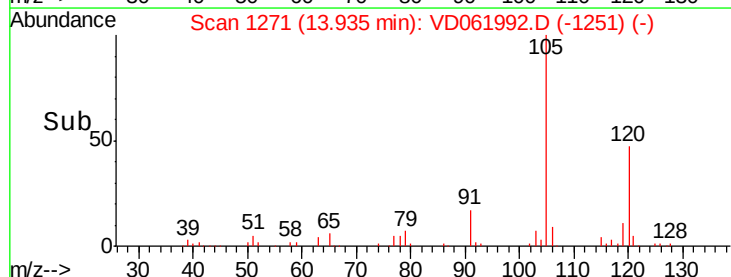
120 47.0 24.0 72.0

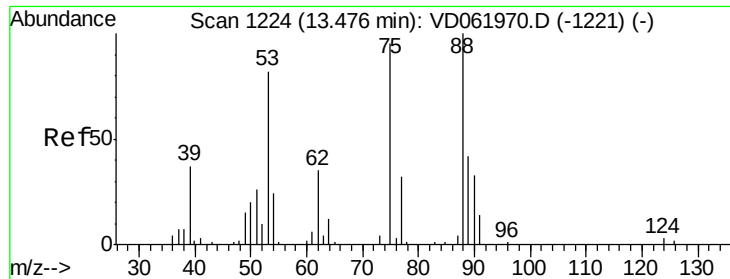


Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)

Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.866 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD061992.D

Acq: 24 Apr 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0424SBSD01

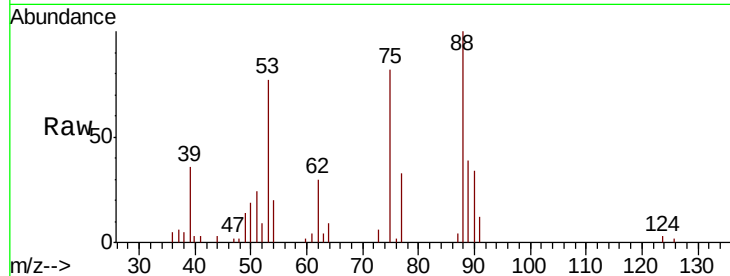
Tgt Ion: 75 Resp: 24011

Ion Ratio Lower Upper

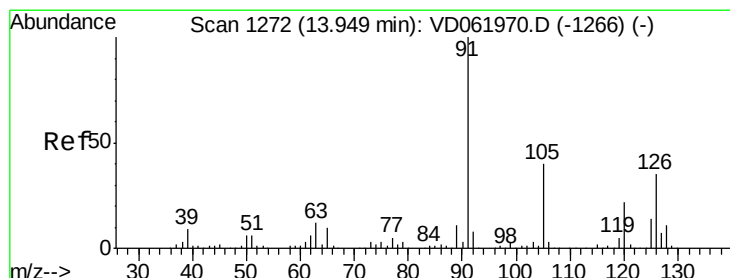
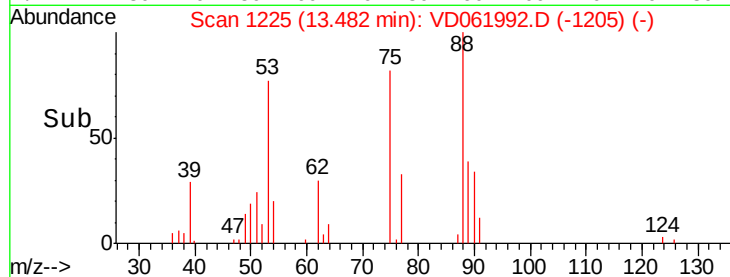
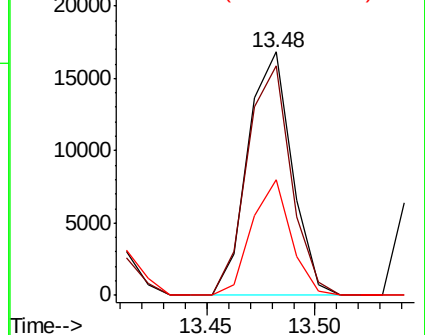
75 100

53 94.2 65.8 98.8

89 47.3 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 18.375 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD061992.D

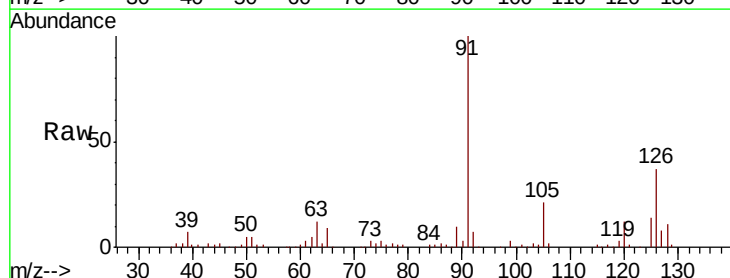
Acq: 24 Apr 2019 12:32

Tgt Ion: 91 Resp: 368120

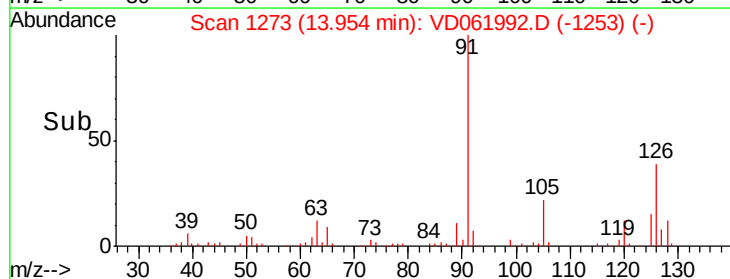
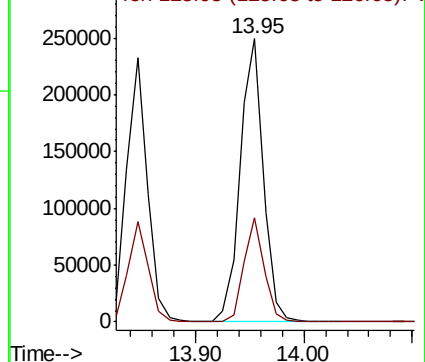
Ion Ratio Lower Upper

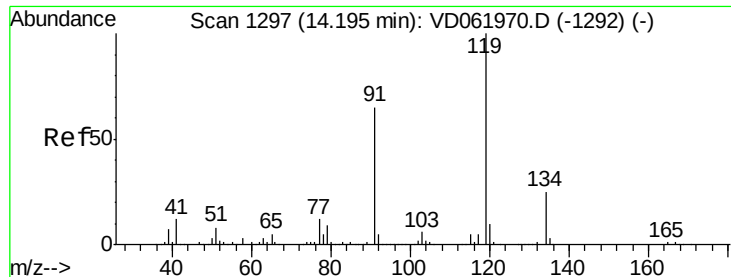
91 100

126 36.8 19.1 57.5



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

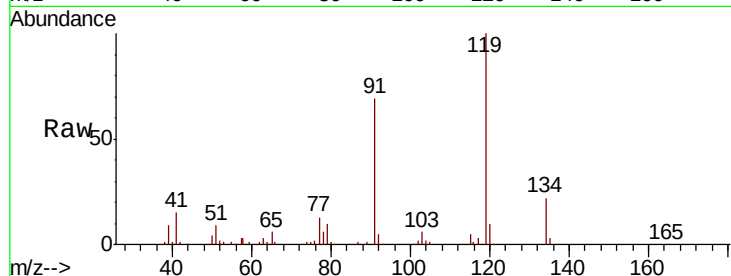




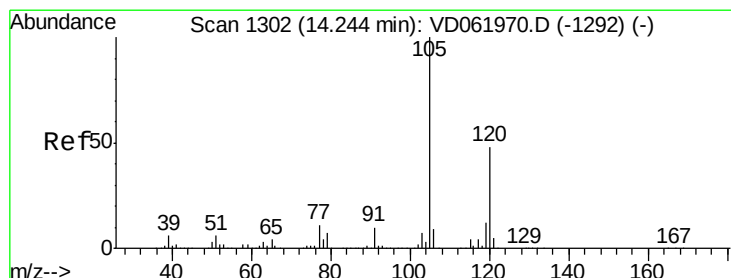
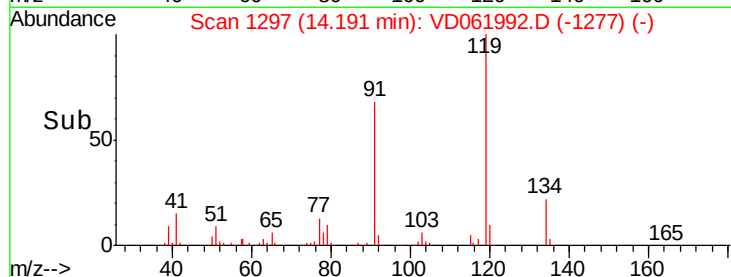
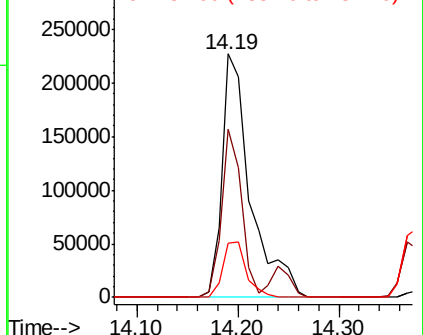
#83
 tert-Butylbenzene
 Concen: 18.461 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS01

Tgt Ion:119 Resp: 447352
 Ion Ratio Lower Upper
 119 100
 91 68.8 34.2 102.6
 134 22.4 12.0 36.0

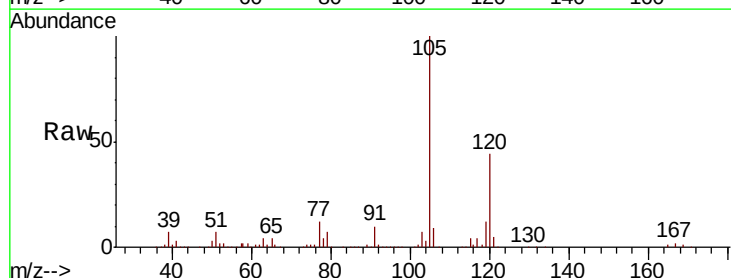


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

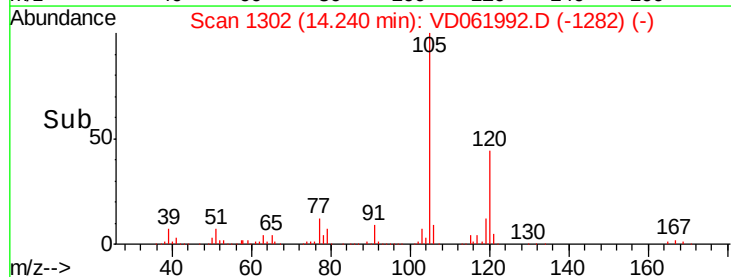
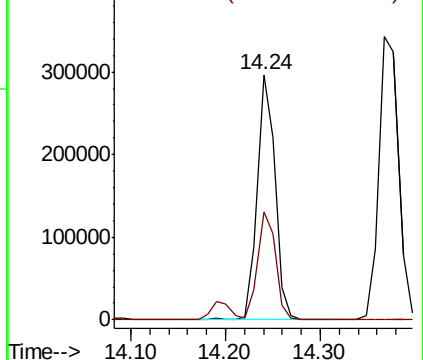


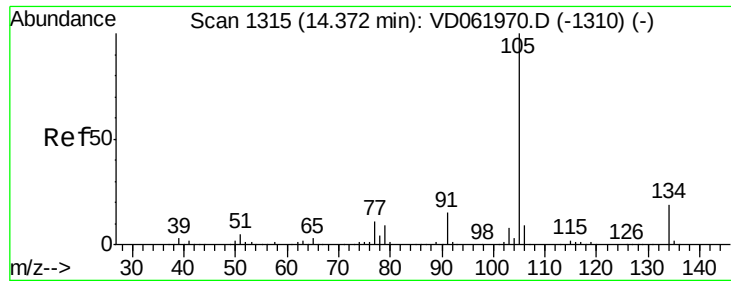
#84
 1,2,4-Trimethylbenzene
 Concen: 19.482 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion:105 Resp: 389125
 Ion Ratio Lower Upper
 105 100
 120 43.9 23.1 69.2



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

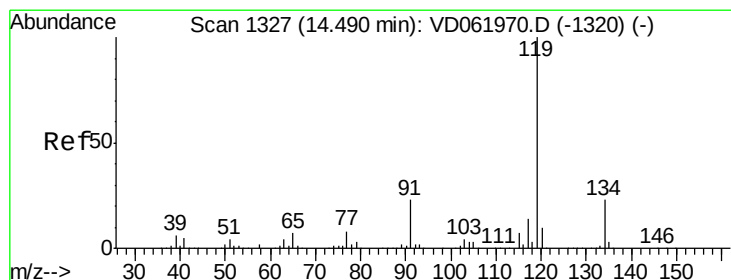
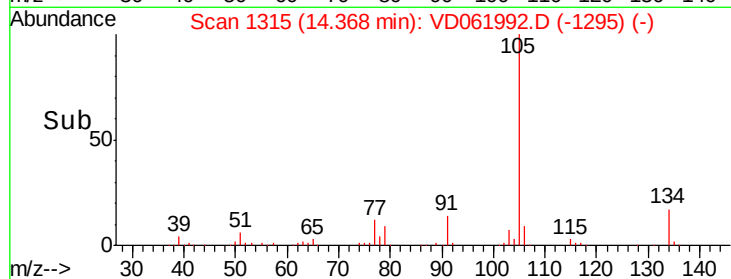
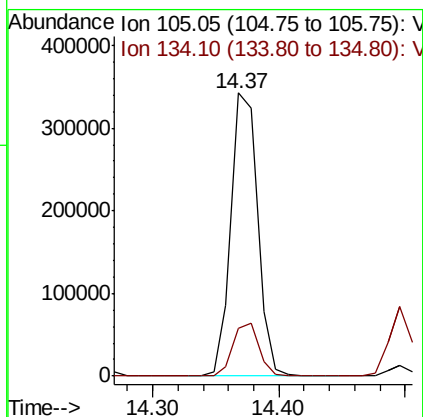
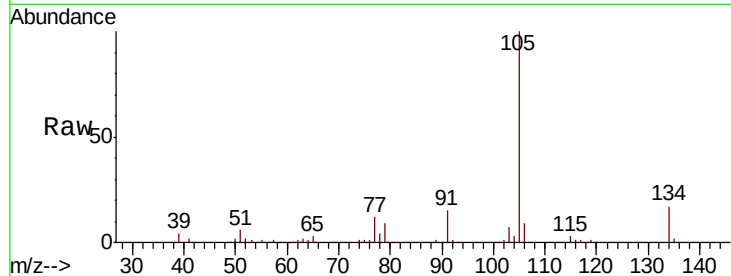




#85
 sec-Butylbenzene
 Concen: 19.102 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

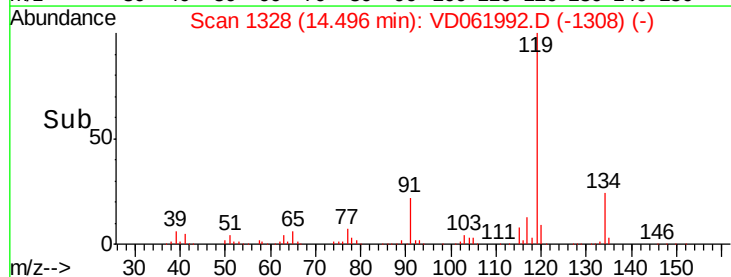
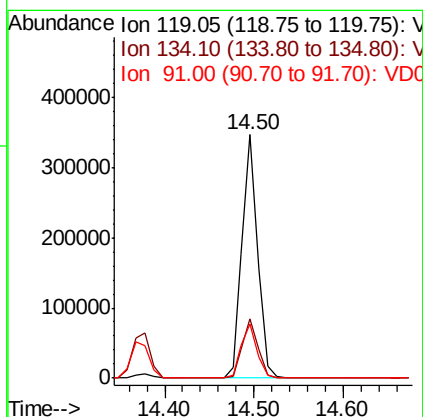
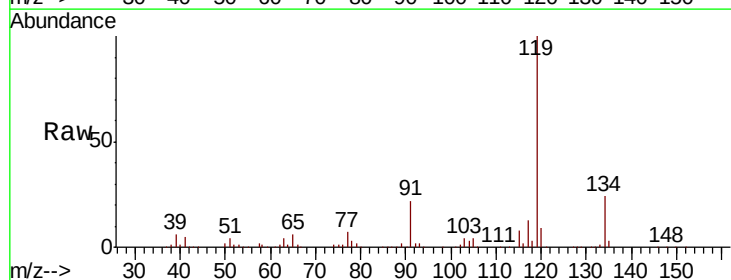
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

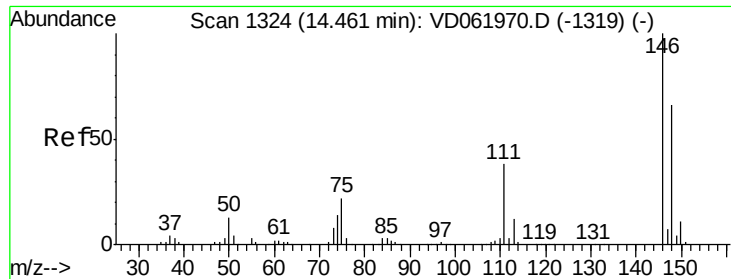
Tgt Ion:105 Resp: 500161
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 18.099 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion:119 Resp: 424138
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.8 38.3
 91 22.4 10.7 32.1

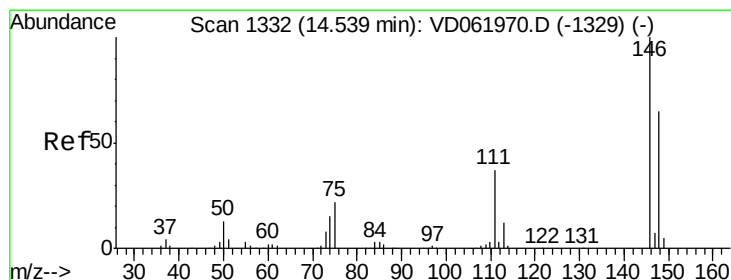
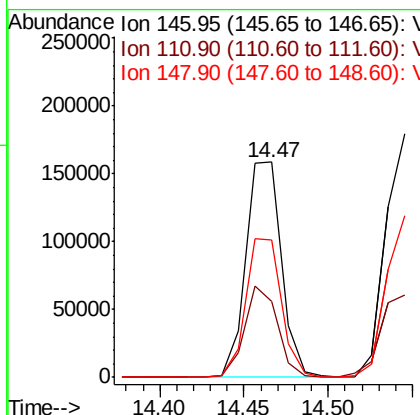
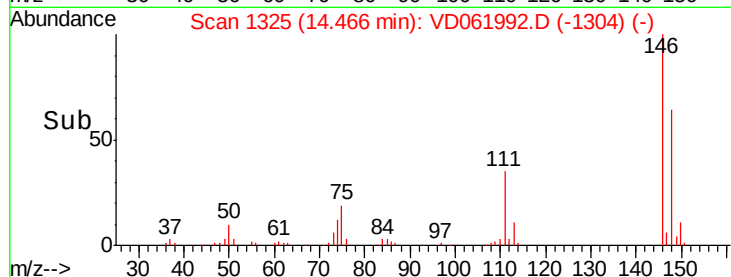
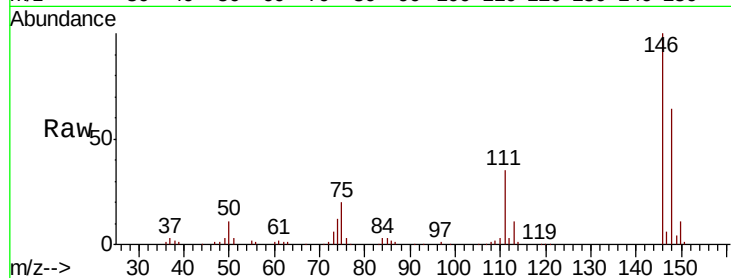




#87
 1,3-Dichlorobenzene
 Concen: 17.778 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

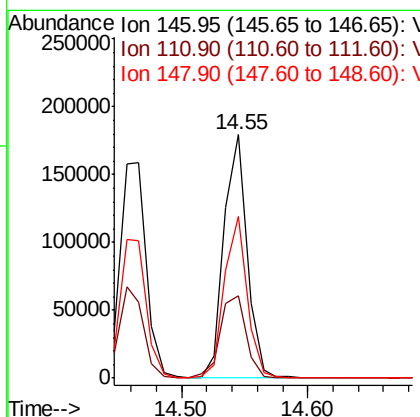
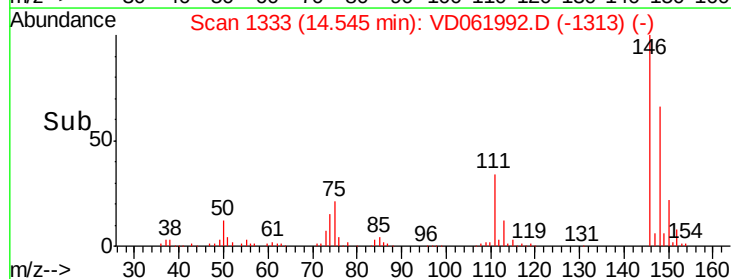
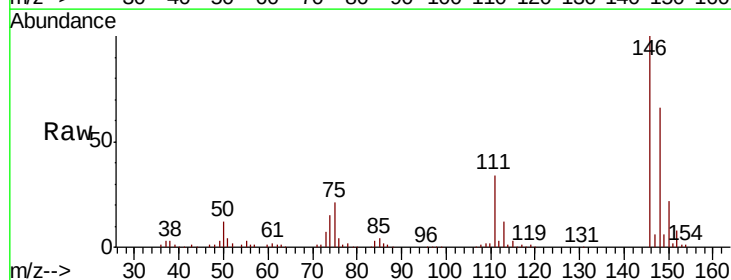
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

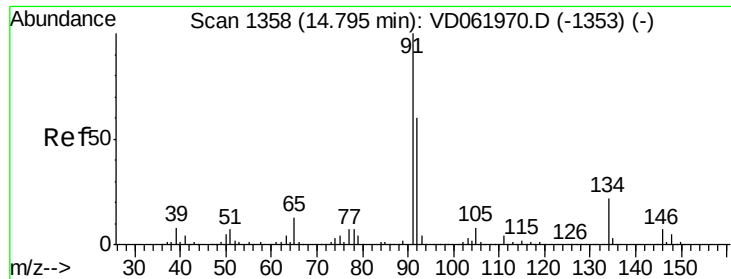
Tgt Ion:146 Resp: 234303
 Ion Ratio Lower Upper
 146 100
 111 35.1 20.0 60.0
 148 63.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.546 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion:146 Resp: 228579
 Ion Ratio Lower Upper
 146 100
 111 33.9 20.2 60.5
 148 66.5 32.0 96.2

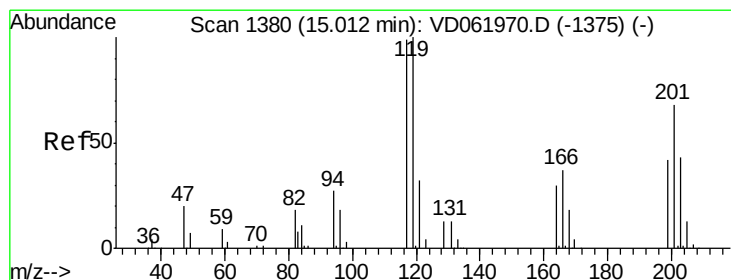
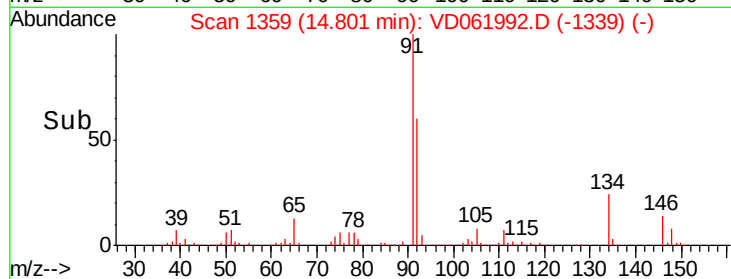
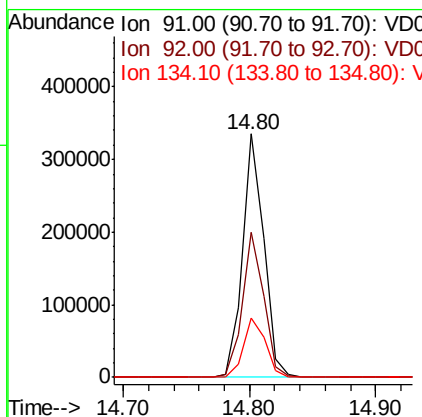
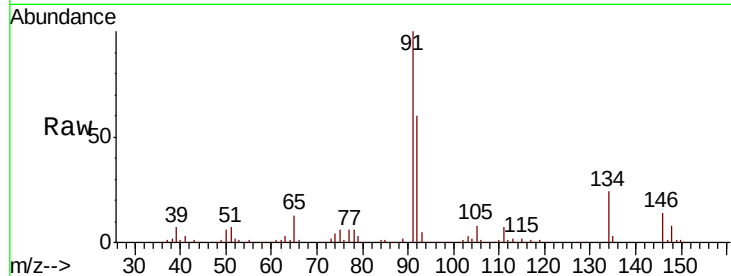




#89
n-Butylbenzene
Concen: 18.551 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

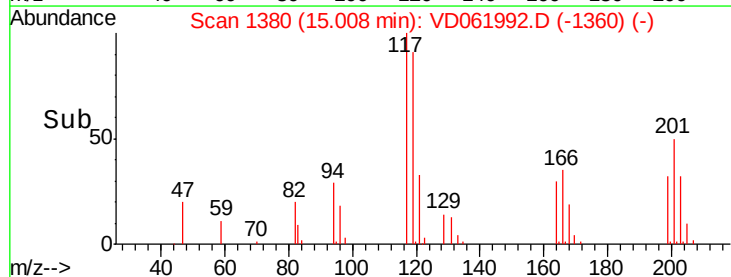
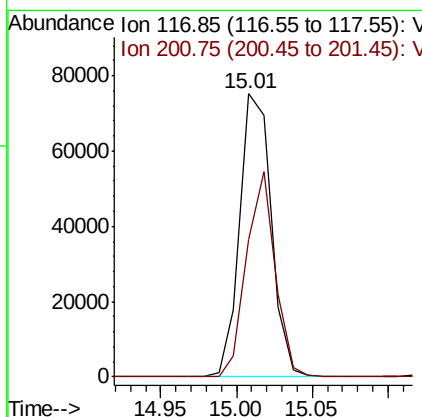
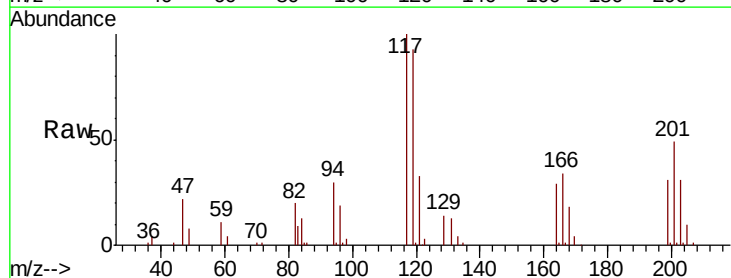
Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

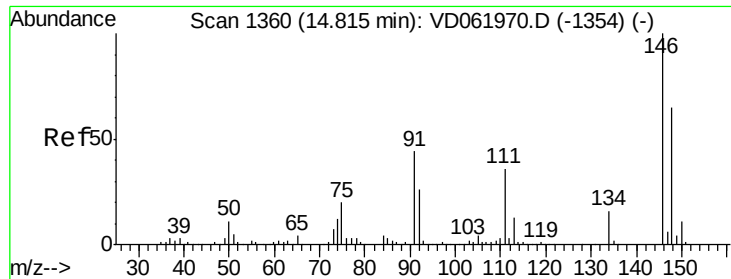
Tgt Ion: 91 Resp: 390287
Ion Ratio Lower Upper
91 100
92 59.7 30.3 91.0
134 24.4 14.5 43.6



#90
Hexachloroethane
Concen: 17.215 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion: 117 Resp: 109083
Ion Ratio Lower Upper
117 100
201 48.7 30.2 90.6

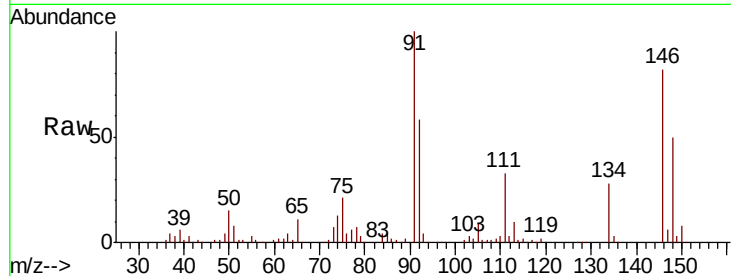




#91
 1,2-Dichlorobenzene
 Concen: 18.798 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	59.9
148	61.9	32.3	96.8

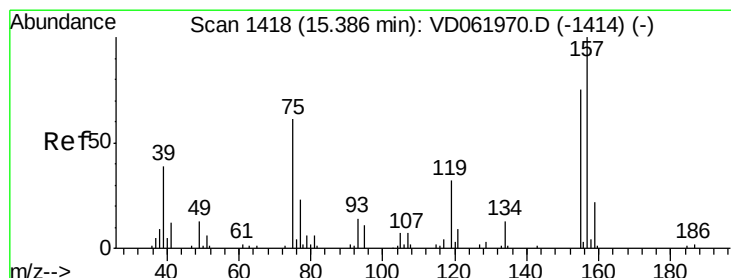
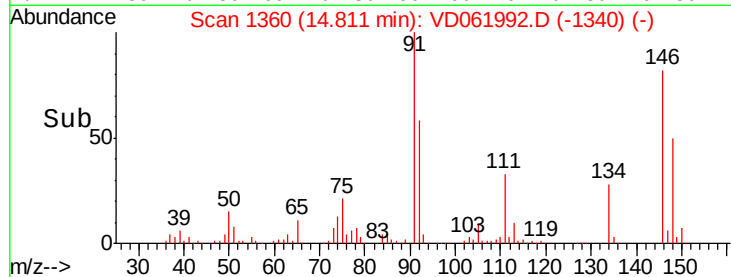
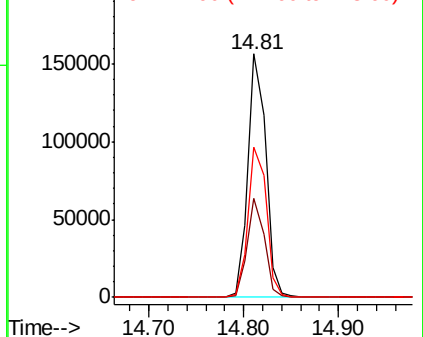


Abundance

Ion 145.95 (145.65 to 146.65): V

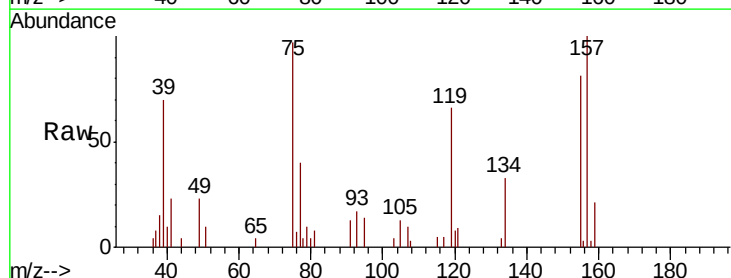
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.811 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.5	55.3	165.8
157	103.1	67.8	203.2

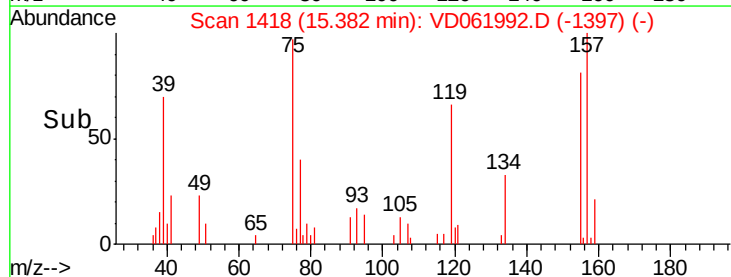
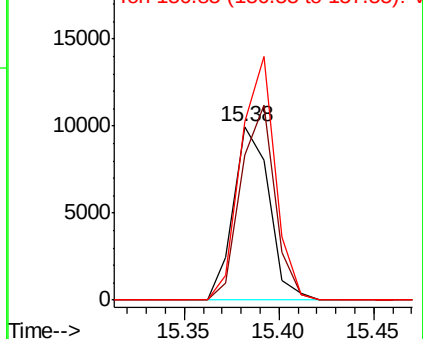


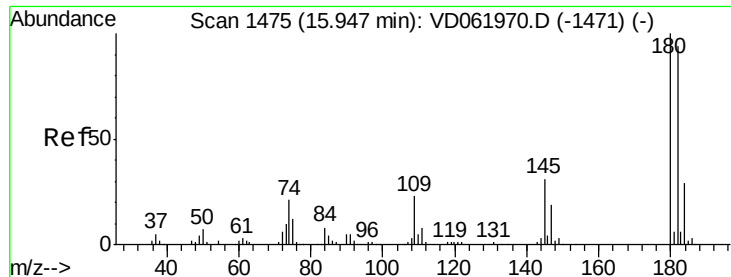
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

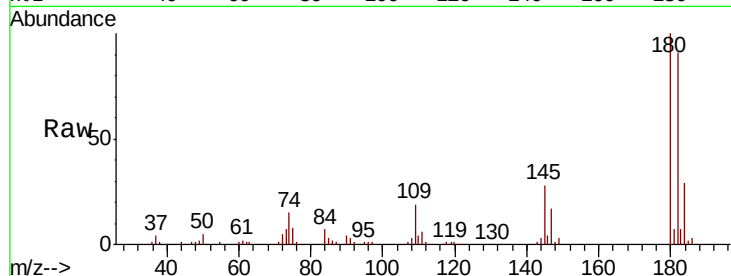




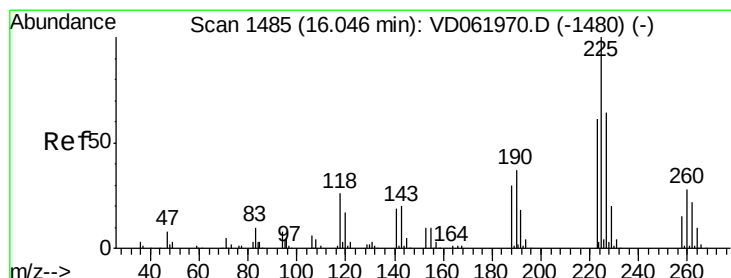
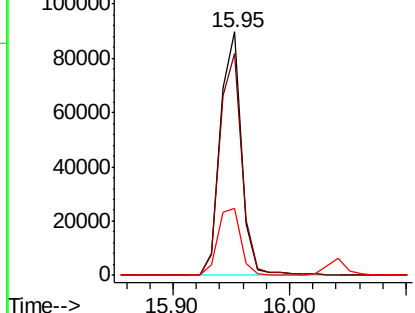
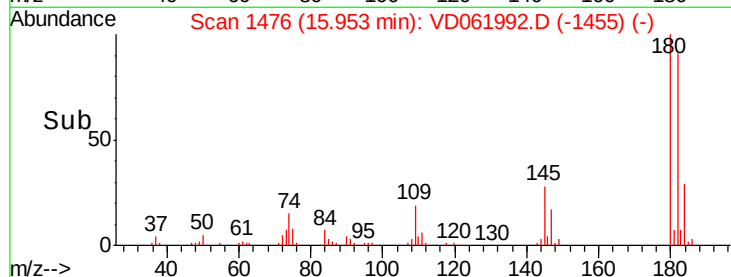
#93
 1,2,4-Trichlorobenzene
 Concen: 19.290 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBSD01

Tgt Ion:180 Resp: 113150
 Ion Ratio Lower Upper
 180 100
 182 91.2 49.3 147.8
 145 27.7 16.2 48.6

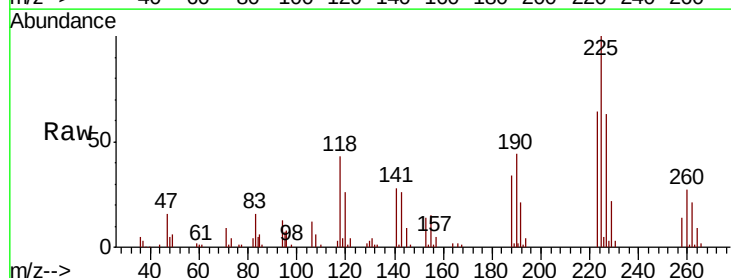


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

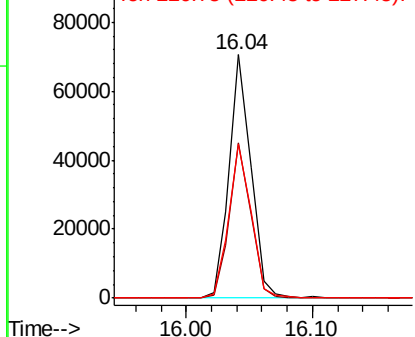
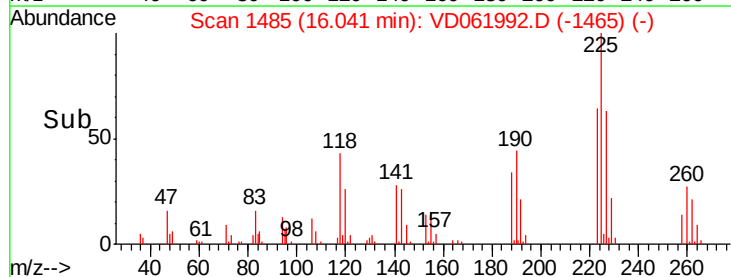


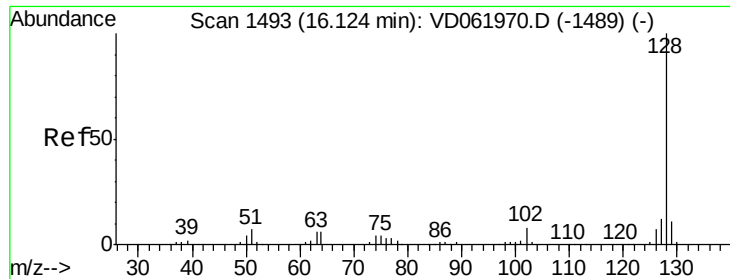
#94
 Hexachlorobutadiene
 Concen: 19.403 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061992.D
 Acq: 24 Apr 2019 12:32

Tgt Ion:225 Resp: 84226
 Ion Ratio Lower Upper
 225 100
 223 63.7 30.6 92.0
 227 63.4 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

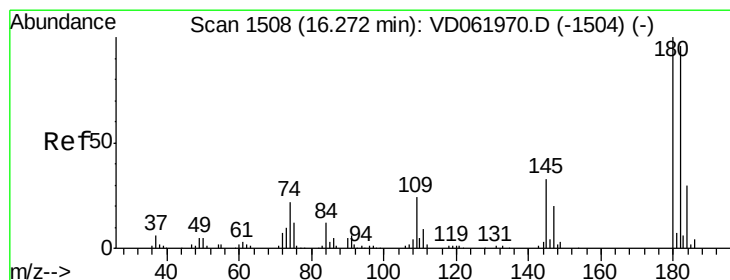
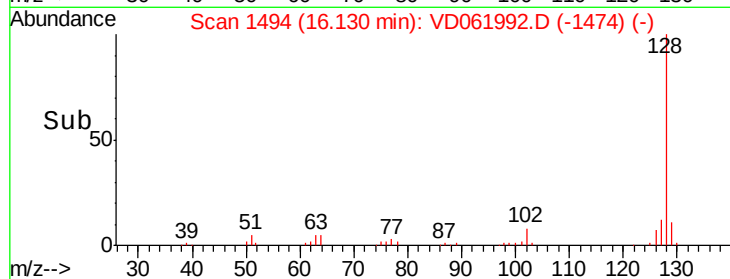
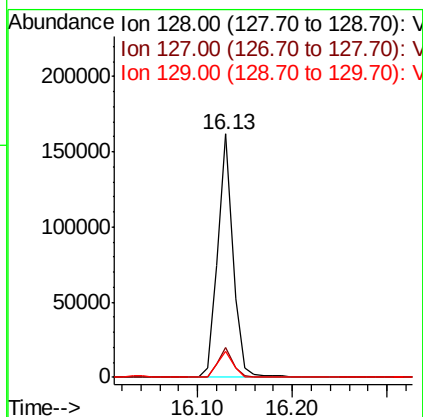
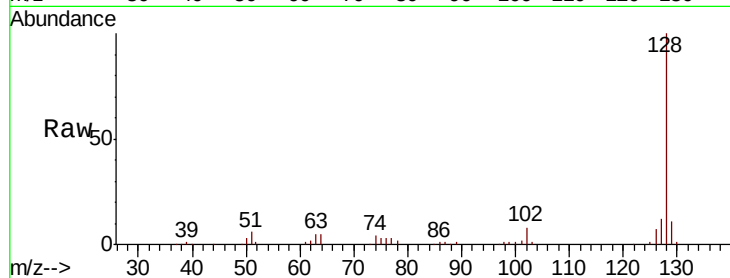




#95
Naphthalene
Concen: 19.194 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0424SBSD01

Tgt Ion:128 Resp: 181780
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 21.527 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061992.D
Acq: 24 Apr 2019 12:32

Tgt Ion:180 Resp: 71644
Ion Ratio Lower Upper
180 100
182 98.9 47.0 141.0
145 28.9 17.0 51.0

