

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061304.D
 Acq On : 25 Mar 2019 16:16
 Operator : VA/AP
 Sample : VD0325SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS01

Quant Time: Mar 26 04:28:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	792281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1386000	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1119608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	434140	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	323261	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
35) Dibromofluoromethane	6.94	113	519712	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	10.41	98	1265841	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	13.55	95	462820	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	161638	19.954	ug/l	98
3) Chloromethane	1.77	50	137160	21.706	ug/l	100
4) Vinyl Chloride	1.87	62	126831	21.466	ug/l	97
5) Bromomethane	2.16	94	23278	19.411	ug/l	91
6) Chloroethane	2.27	64	36199	19.475	ug/l	95
7) Trichlorofluoromethane	2.54	101	167196	19.144	ug/l	98
8) Diethyl Ether	2.89	74	54401	20.950	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.17	101	194352	21.864	ug/l	94
10) Methyl Iodide	3.33	142	240560	19.371	ug/l	98
11) Tert butyl alcohol	4.08	59	35571	97.755	ug/l	98
12) 1,1-Dichloroethene	3.14	96	168053	21.971	ug/l	98
13) Acrolein	3.05	56	45457	114.128	ug/l	95
14) Allyl chloride	3.63	41	233339	21.505	ug/l	99
15) Acrylonitrile	4.21	53	131922	103.089	ug/l	94
16) Acetone	3.24	43	154353	94.404	ug/l	93
17) Carbon Disulfide	3.40	76	544383	21.430	ug/l	99
18) Methyl Acetate	3.65	43	65202	21.097	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	266583	19.790	ug/l	100
20) Methylene Chloride	3.83	84	182719	19.690	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	173691	20.298	ug/l	95
22) Diisopropyl ether	5.14	45	491877	21.519	ug/l	98
23) Vinyl Acetate	5.07	43	1308550	107.187	ug/l	100
24) 1,1-Dichloroethane	5.00	63	277114	20.804	ug/l	99
25) 2-Butanone	6.08	43	195730	103.498	ug/l	96
26) 2,2-Dichloropropane	6.04	77	232896	20.591	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	201051	21.833	ug/l	99
28) Bromochloromethane	6.46	49	111161	19.938	ug/l	99
29) Tetrahydrofuran	6.48	42	97572	103.655	ug/l	99
30) Chloroform	6.67	83	312335	22.004	ug/l	96
31) Cyclohexane	6.97	56	227940	21.084	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	253369	20.155	ug/l	97
36) 1,1-Dichloropropene	7.16	75	239320	21.105	ug/l	97
37) Ethyl Acetate	6.19	43	89759	18.951	ug/l	96
38) Carbon Tetrachloride	7.13	117	260835	20.125	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061304.D
 Acq On : 25 Mar 2019 16:16
 Operator : VA/AP
 Sample : VD0325SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0325SBSD01

Quant Time: Mar 26 04:28:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	234523	19.969	ug/l	98
40) Benzene	7.46	78	562190	19.962	ug/l	99
41) Methacrylonitrile	6.45	41	109496	19.894	ug/l #	89
42) 1,2-Dichloroethane	7.59	62	167495	19.083	ug/l	96
43) Isopropyl Acetate	9.24	43	138140	20.228	ug/l #	91
44) Trichloroethene	8.55	130	214719	21.081	ug/l	95
45) 1,2-Dichloropropane	8.95	63	146110	21.020	ug/l	95
46) Dibromomethane	9.08	93	93511	19.627	ug/l	99
47) Bromodichloromethane	9.38	83	206290	18.473	ug/l	98
48) Methyl methacrylate	9.12	41	74348	20.397	ug/l	98
49) 1,4-Dioxane	9.09	88	17184	429.670	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	395378	97.253	ug/l	99
52) Toluene	10.51	92	351560	20.401	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	195836	20.179	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	252567	21.312	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	119659	20.916	ug/l	94
56) Ethyl methacrylate	11.04	69	137697	22.556	ug/l	95
57) 1,3-Dichloropropane	11.41	76	168404	19.491	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	332806	104.789	ug/l	98
59) 2-Hexanone	11.54	43	281296	95.267	ug/l	100
60) Dibromochloromethane	11.68	129	181939	20.305	ug/l	93
61) 1,2-Dibromoethane	11.81	107	132731	19.856	ug/l	99
64) Tetrachloroethene	11.26	164	153697	19.928	ug/l	97
65) Chlorobenzene	12.40	112	439843	21.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	155822	19.489	ug/l	99
67) Ethyl Benzene	12.53	91	613319	19.433	ug/l	100
68) m/p-Xylenes	12.67	106	511141	41.490	ug/l	97
69) o-Xylene	13.05	106	239979	21.003	ug/l	100
70) Styrene	13.07	104	410221	21.155	ug/l	100
71) Bromoform	13.24	173	97001	19.826	ug/l	99
73) Isopropylbenzene	13.41	105	606410	21.475	ug/l	98
74) N-amyl acetate	13.27	43	170625	23.096	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	129071	23.571	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	129294	23.948	ug/l	97
77) Bromobenzene	13.67	156	176186	22.337	ug/l	99
78) n-propylbenzene	13.78	91	717243	22.514	ug/l	94
79) 2-Chlorotoluene	13.84	91	411918	22.207	ug/l	100
80) 1,3,5-Trimethylbenzene	14.24	105	538101	24.156	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	36641	21.504	ug/l	96
82) 4-Chlorotoluene	13.95	91	488142	24.072	ug/l	100
83) tert-Butylbenzene	14.19	119	618539	24.319	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	538101	24.156	ug/l	99
85) sec-Butylbenzene	14.37	105	705356	24.902	ug/l	99
86) p-Isopropyltoluene	14.49	119	558374	22.096	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	329010	23.533	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	293975	21.707	ug/l	98
89) n-Butylbenzene	14.80	91	534439	23.821	ug/l	95
90) Hexachloroethane	15.01	117	159579	23.553	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	272617	24.437	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	14701	21.485	ug/l	90

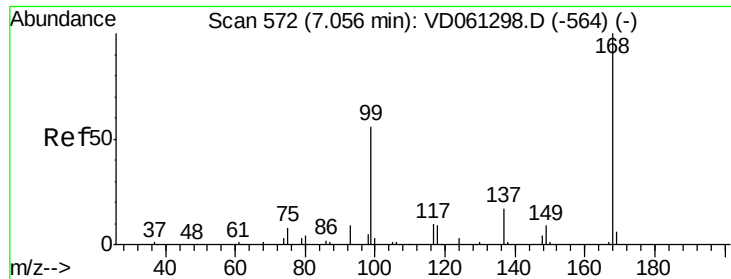
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
Data File : VD061304.D
Acq On : 25 Mar 2019 16:16
Operator : VA/AP
Sample : VD0325SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD01

Quant Time: Mar 26 04:28:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 03:31:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	122463	23.769	µg/l	97
94) Hexachlorobutadiene	16.05	225	89705	21.608	µg/l	98
95) Naphthalene	16.12	128	179144	23.830	µg/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	50820	21.119	µg/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

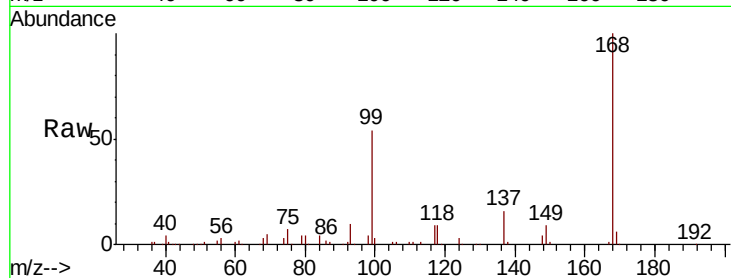
VD0325SBS01

Tot Ion:168 Resp: 792281

Ion Ratio Lower Upper

168 100

99 54.1 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

250000

200000

150000

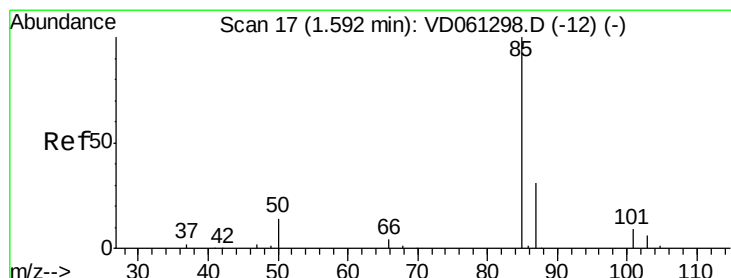
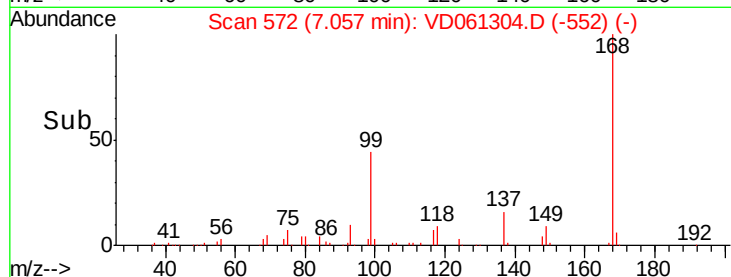
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 19.954 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.00 min

Lab File: VD061304.D

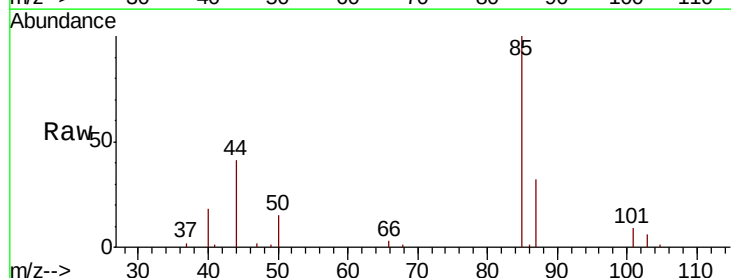
Acq: 25 Mar 2019 16:16

Tgt Ion: 85 Resp: 161638

Ion Ratio Lower Upper

85 100

87 31.9 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

60000

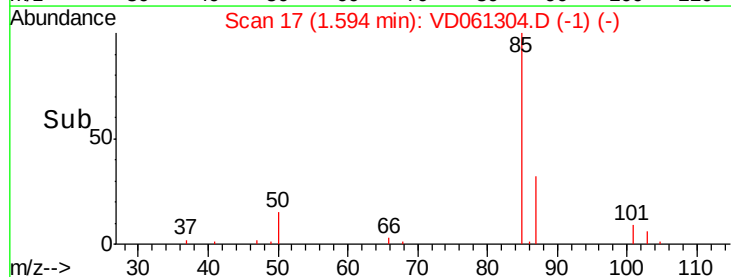
40000

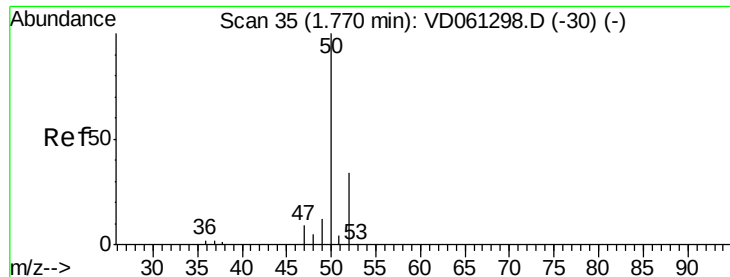
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.706 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

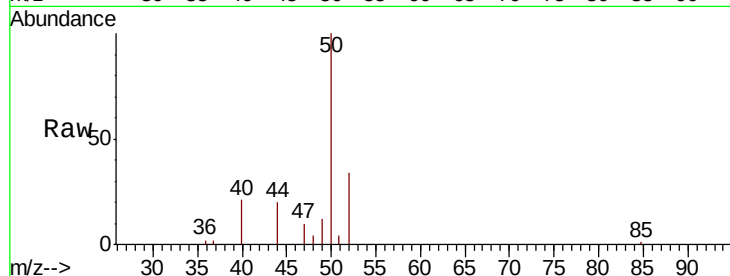
VD0325SBS01

Tot Ion: 50 Resp: 137160

Ion Ratio Lower Upper

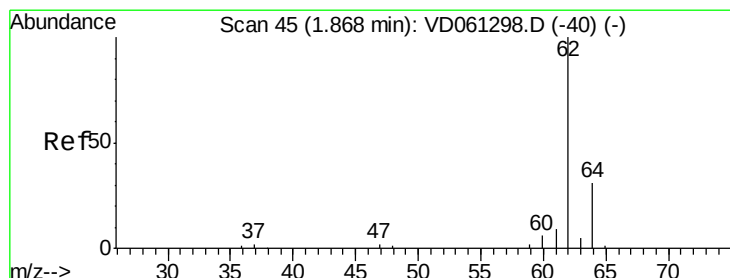
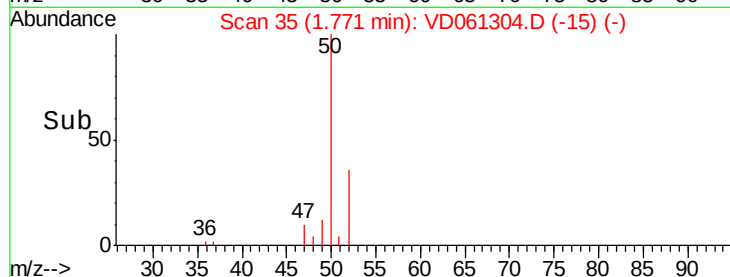
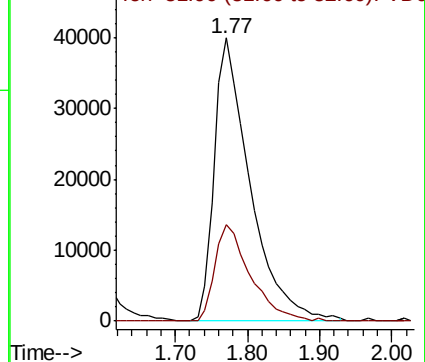
50 100

52 34.0 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.466 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.00 min

Lab File: VD061304.D

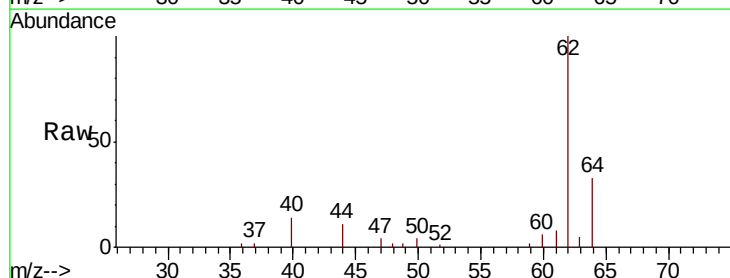
Acq: 25 Mar 2019 16:16

Tgt Ion: 62 Resp: 126831

Ion Ratio Lower Upper

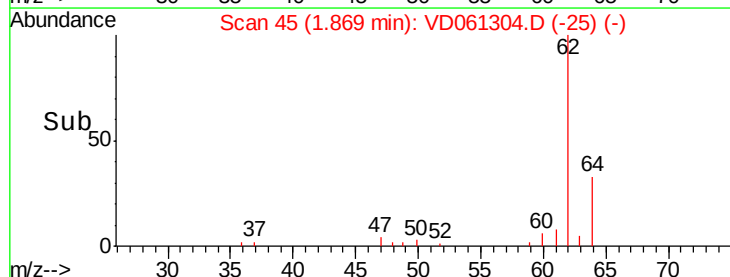
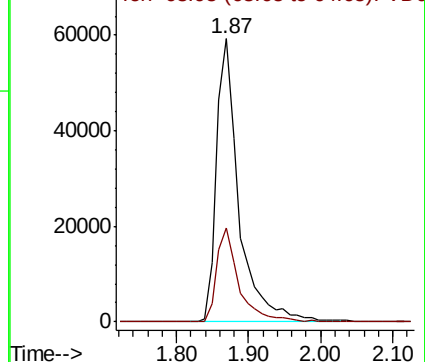
62 100

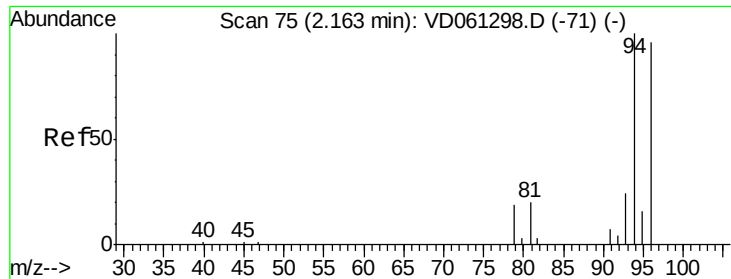
64 33.3 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.411 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

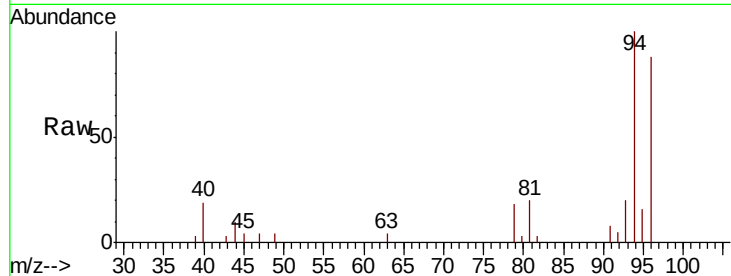
Tot Ion: 94 Resp: 23278

Ion Ratio Lower Upper

94 100

96 87.5 76.9 115.3

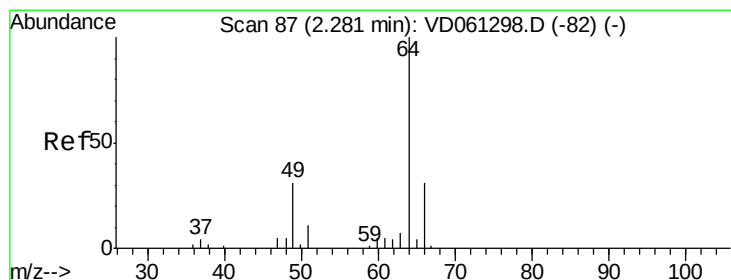
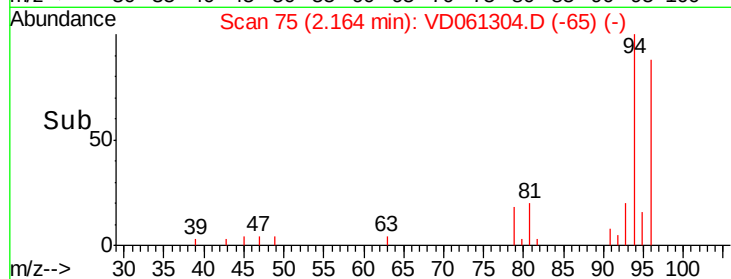
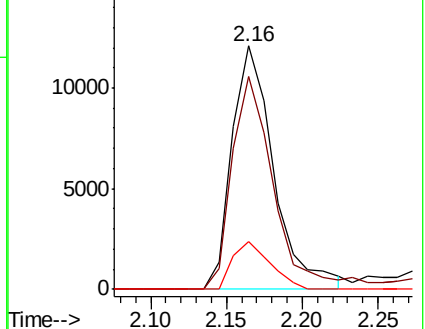
93 19.7 18.8 28.2



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: 19.475 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061304.D

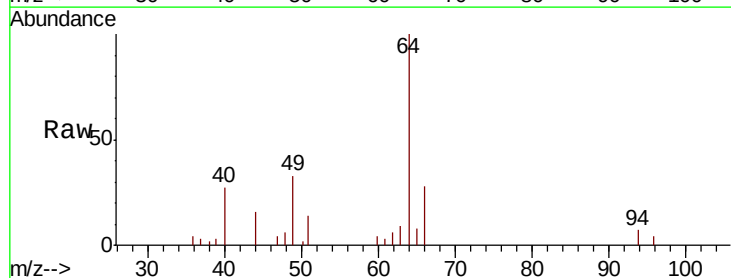
Acq: 25 Mar 2019 16:16

Tgt Ion: 64 Resp: 36199

Ion Ratio Lower Upper

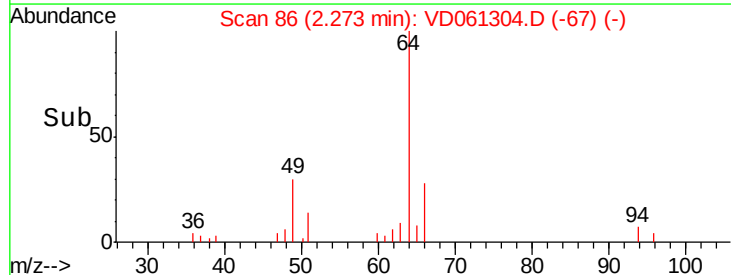
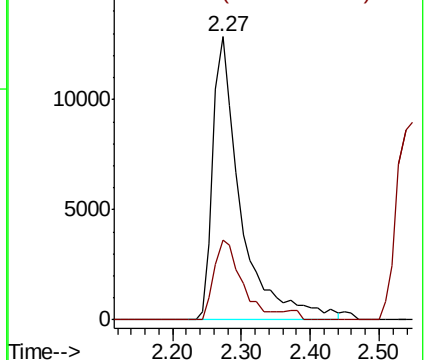
64 100

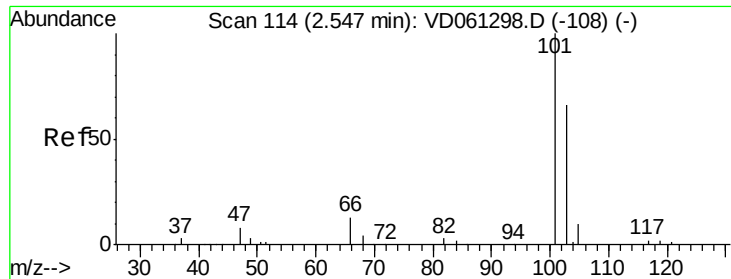
66 28.0 24.6 36.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



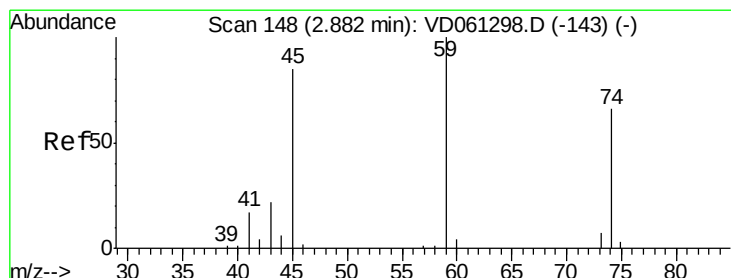
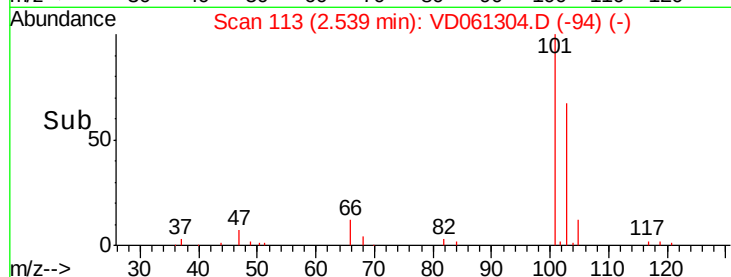
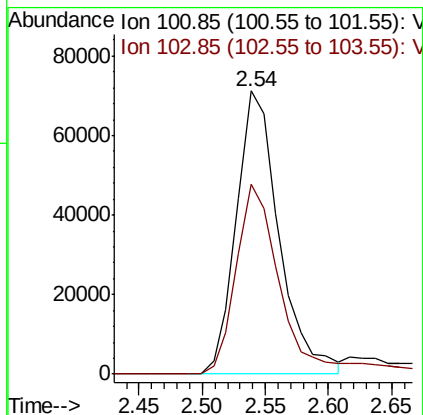
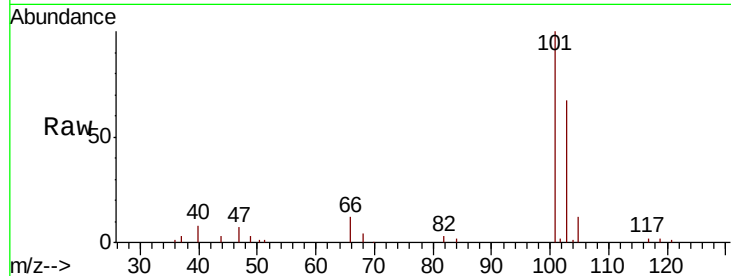


#7

Trichlorofluoromethane
 Concen: 19.144 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD01

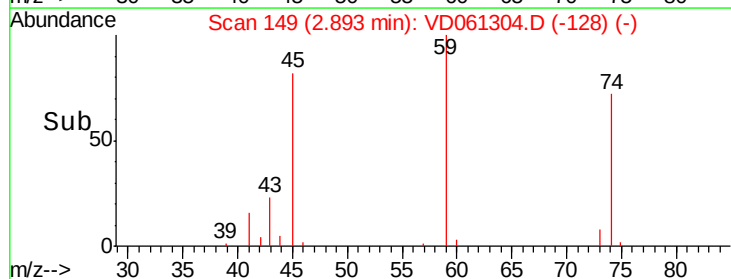
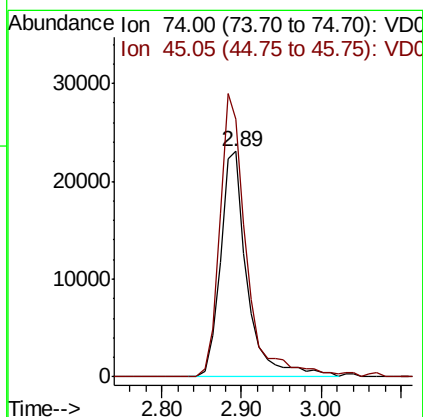
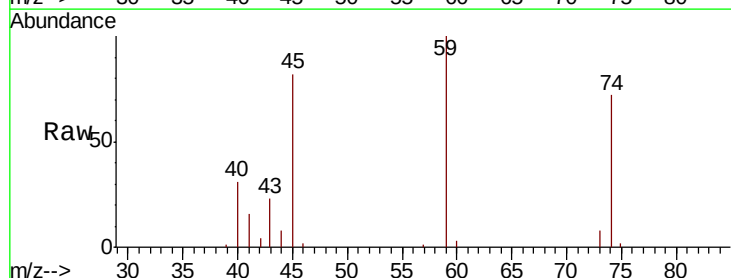
Tot Ion:101 Resp: 167196
 Ion Ratio Lower Upper
 101 100
 103 67.3 52.6 79.0

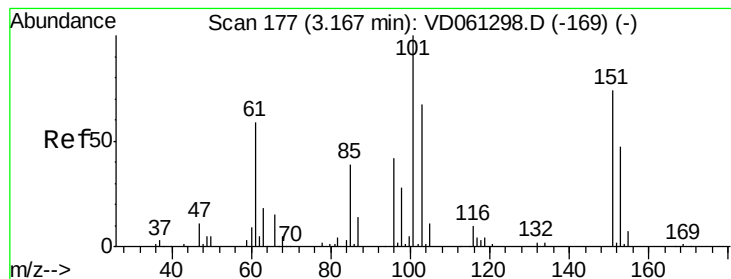


#8

Diethyl Ether
 Concen: 20.950 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Tgt Ion: 74 Resp: 54401
 Ion Ratio Lower Upper
 74 100
 45 114.4 64.3 192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.864 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD01

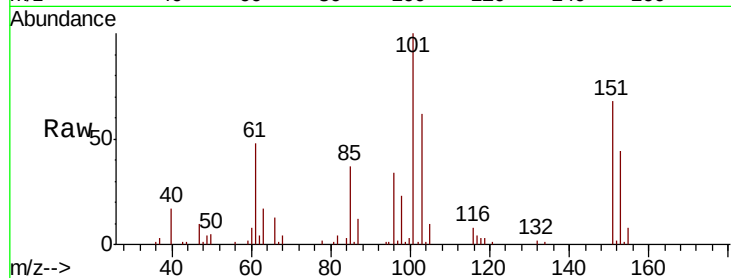
Tot Ion:101 Resp: 194352

Ion Ratio Lower Upper

101 100

85 36.8 31.6 47.4

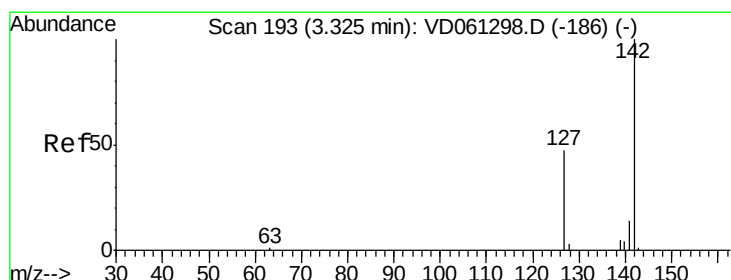
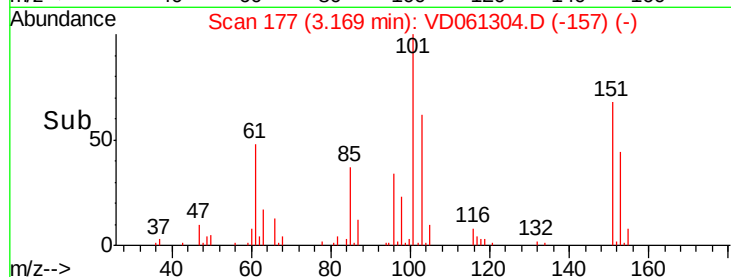
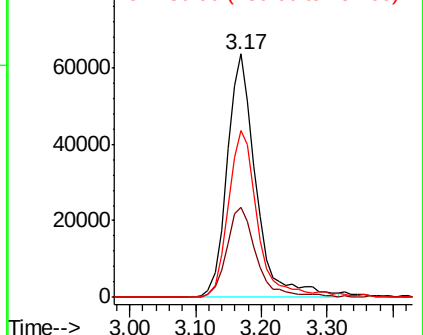
151 68.5 59.3 88.9



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: 19.371 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

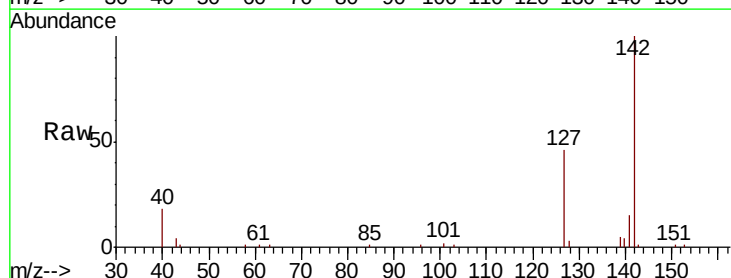
Tgt Ion:142 Resp: 240560

Ion Ratio Lower Upper

142 100

127 45.8 37.8 56.6

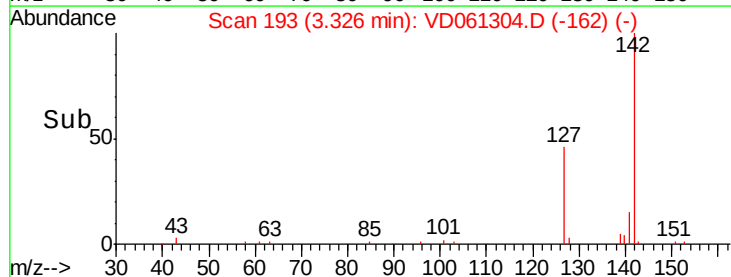
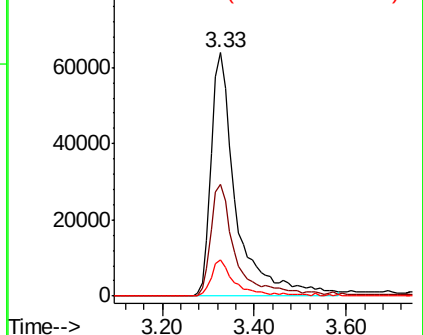
141 15.0 11.6 17.4

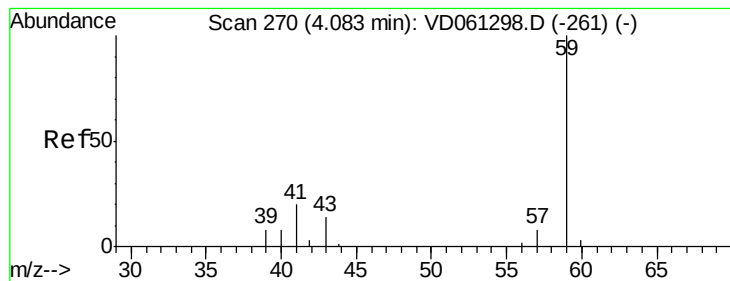


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 97.755 ug/l

RT: 4.08 min Scan# 270

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

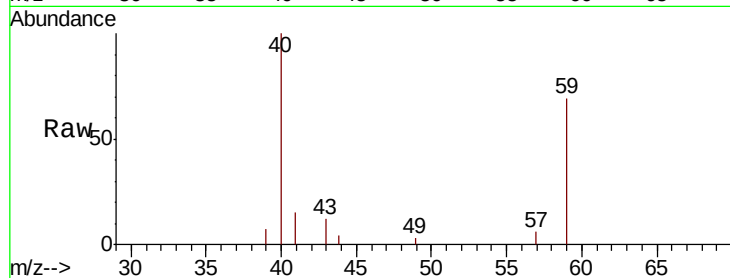
VD0325SBSD01

Tot Ion: 59 Resp: 35571

Ion Ratio Lower Upper

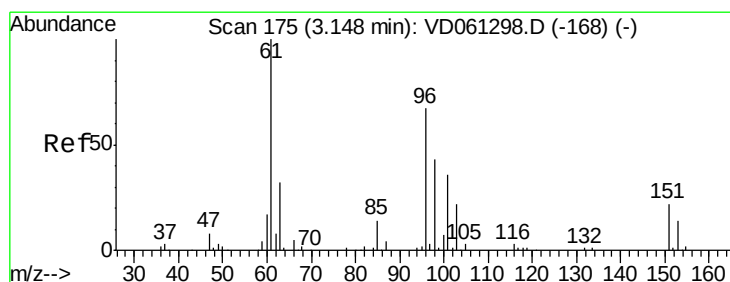
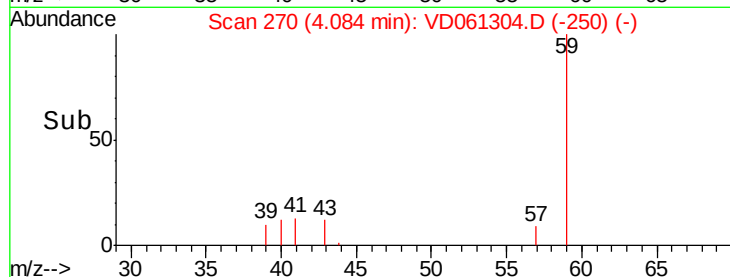
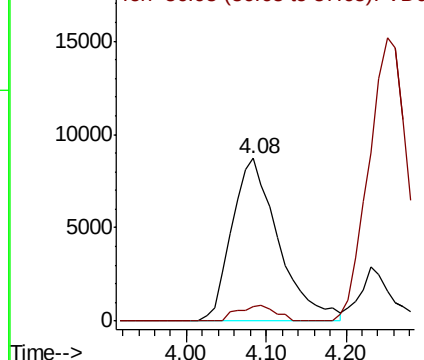
59 100

57 8.9 6.6 9.8



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 21.971 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

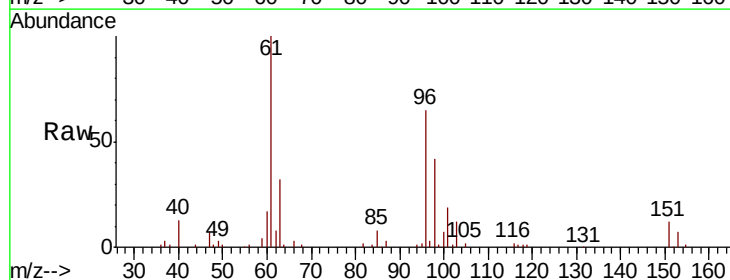
Tgt Ion: 96 Resp: 168053

Ion Ratio Lower Upper

96 100

61 153.0 120.2 180.2

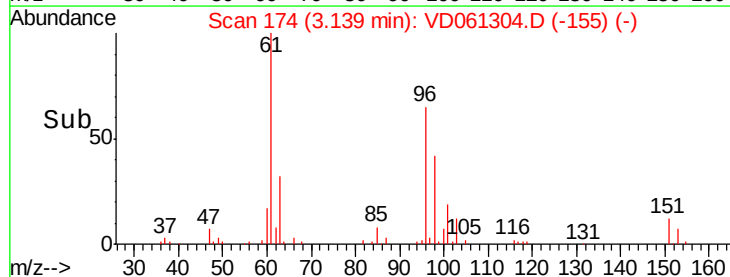
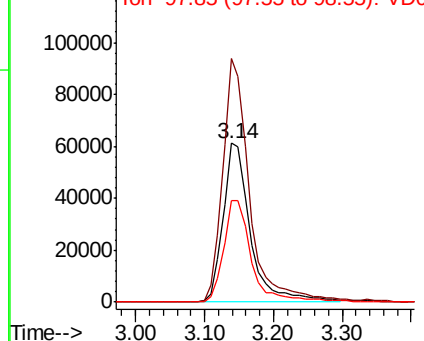
98 63.7 52.2 78.4

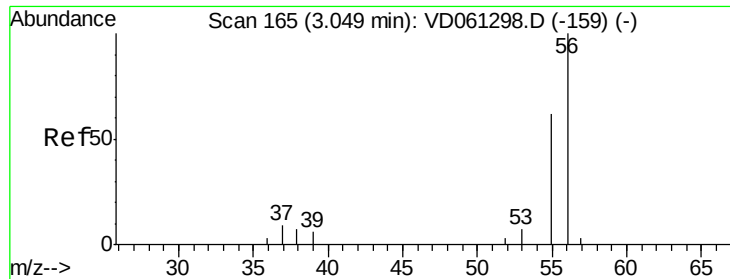


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 114.128 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

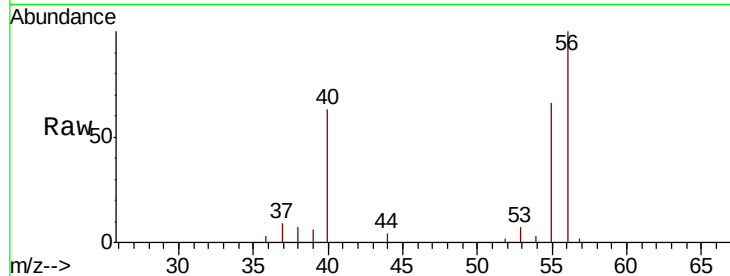
VD0325SBS01

Tot Ion: 56 Resp: 45457

Ion Ratio Lower Upper

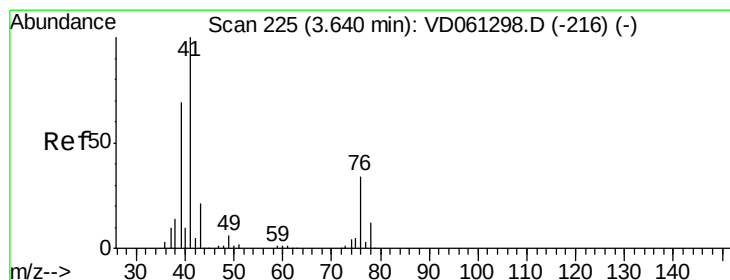
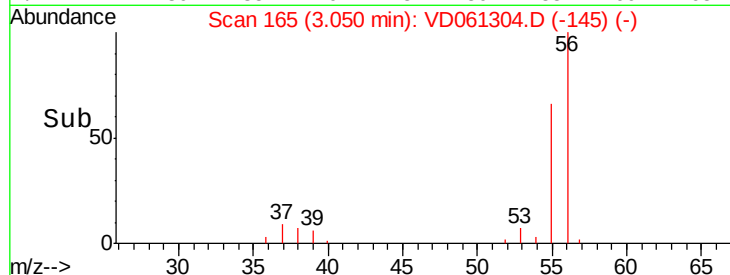
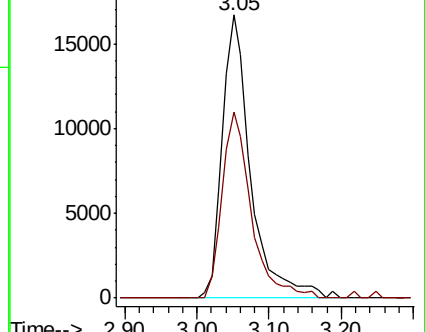
56 100

55 65.9 49.8 74.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.505 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

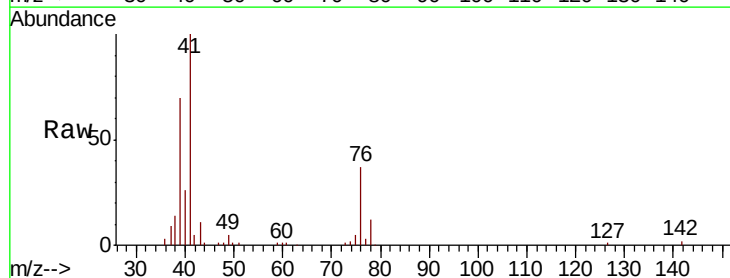
Tgt Ion: 41 Resp: 233339

Ion Ratio Lower Upper

41 100

39 69.6 55.1 82.7

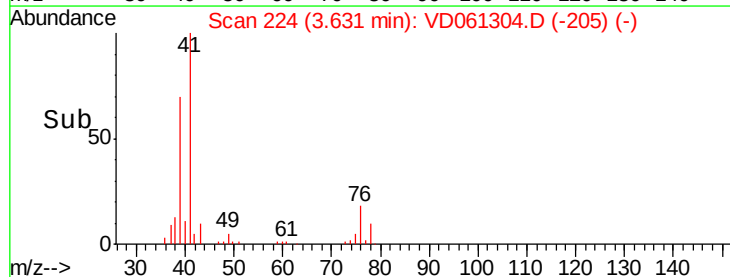
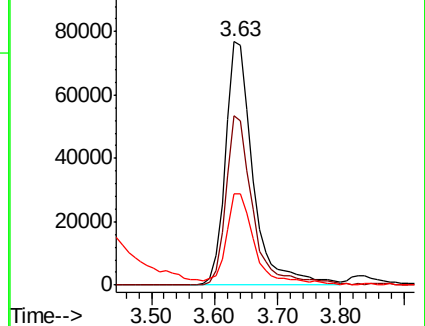
76 37.4 30.2 45.2

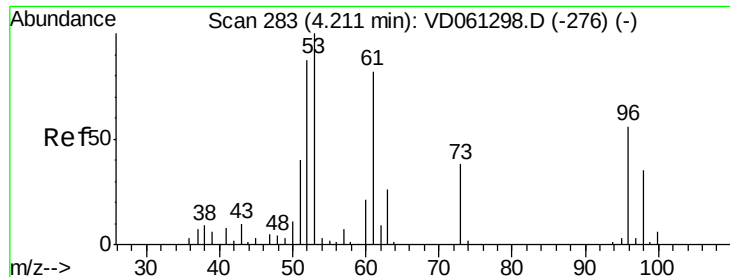


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 103.089 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD01

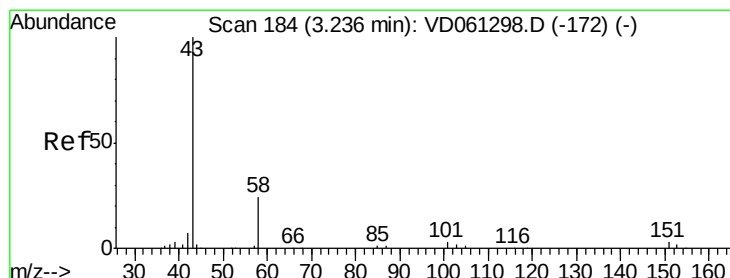
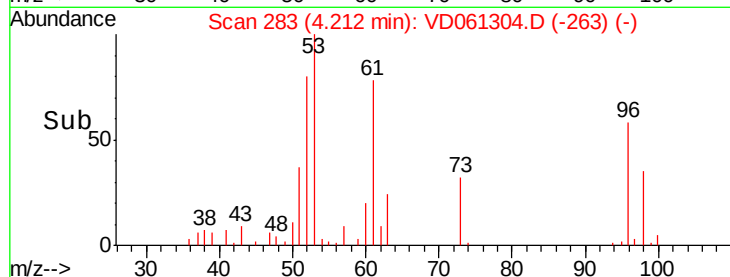
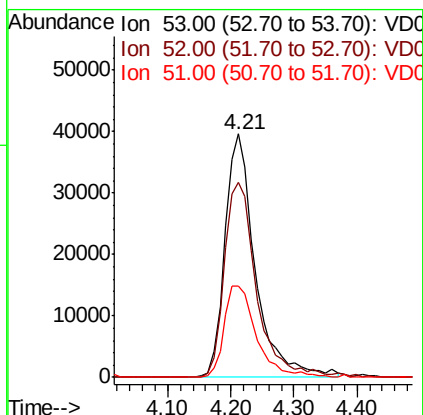
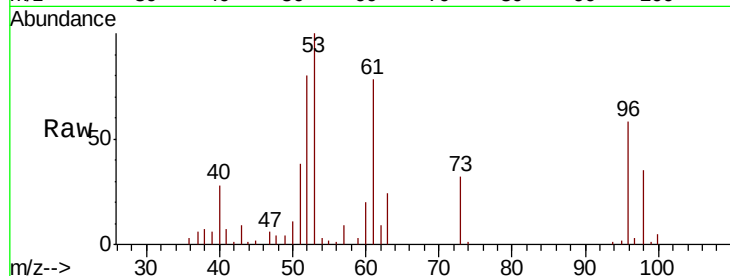
Tot Ion: 53 Resp: 131922

Ion Ratio Lower Upper

53 100

52 80.1 69.4 104.2

51 37.6 31.7 47.5



#16

Acetone

Concen: 94.404 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD061304.D

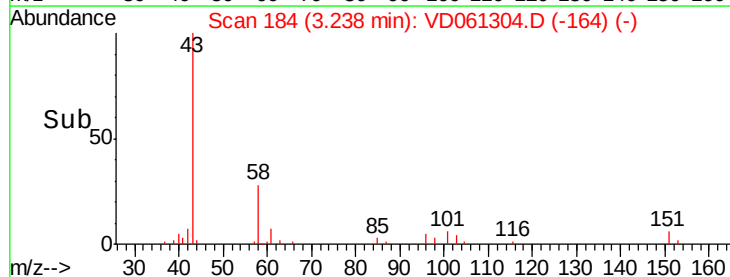
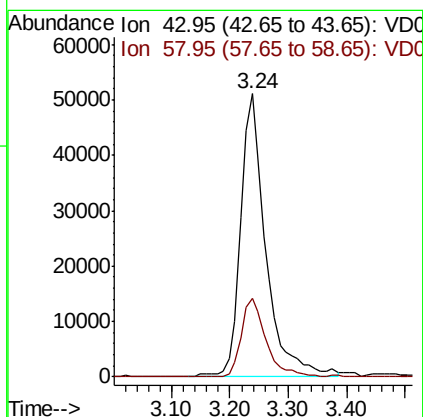
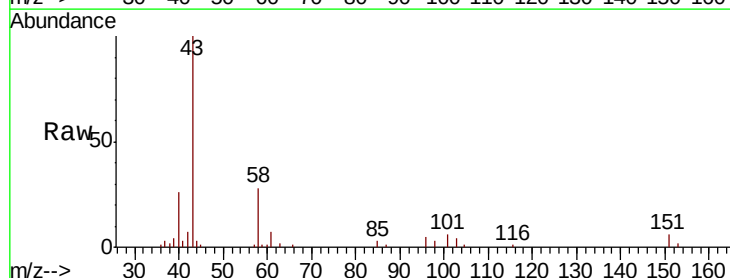
Acq: 25 Mar 2019 16:16

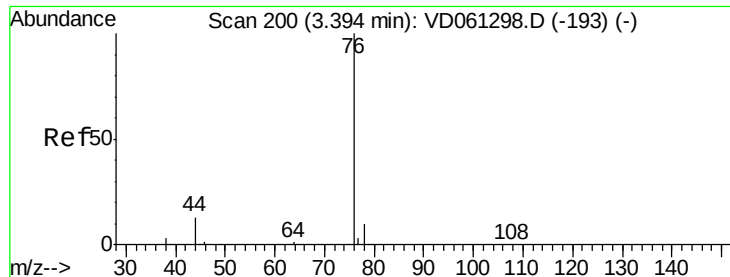
Tgt Ion: 43 Resp: 154353

Ion Ratio Lower Upper

43 100

58 27.9 19.4 29.0

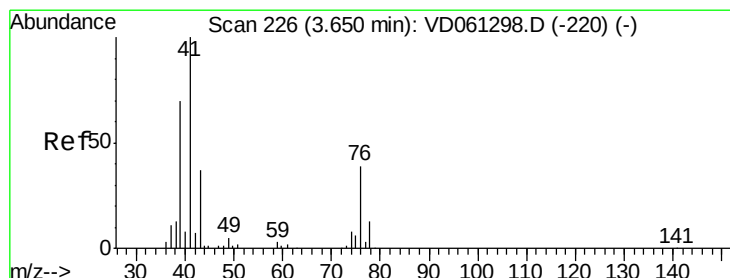
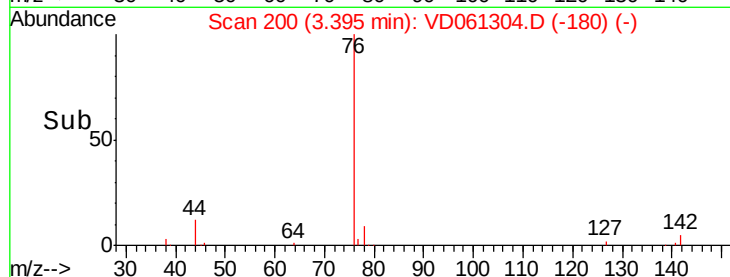
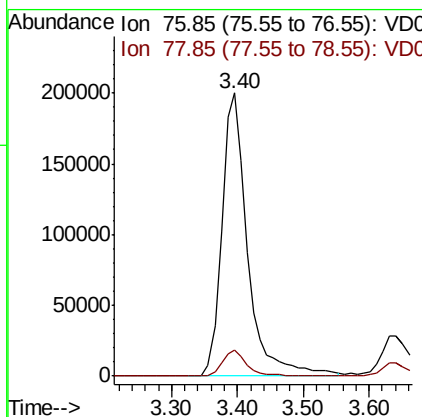
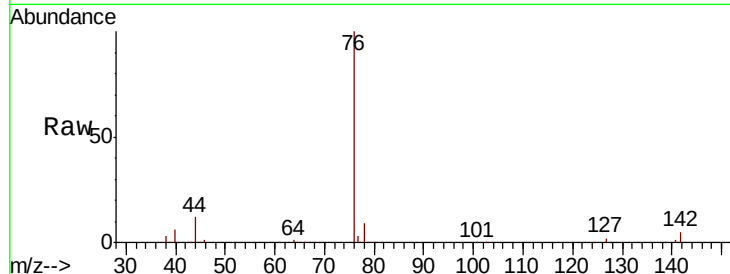




#17
Carbon Disulfide
Concen: 21.430 ug/l
RT: 3.40 min Scan# 200
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

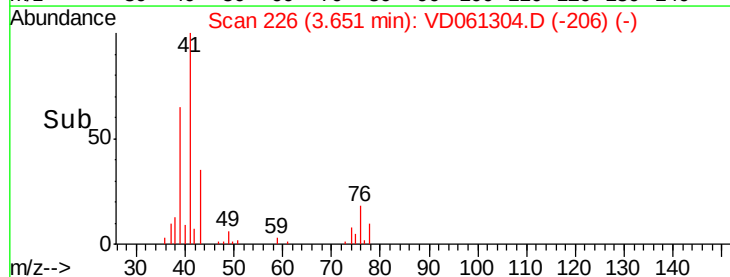
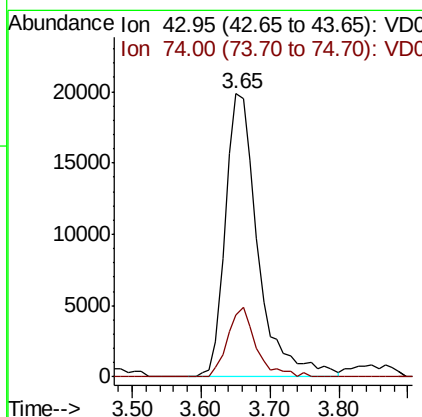
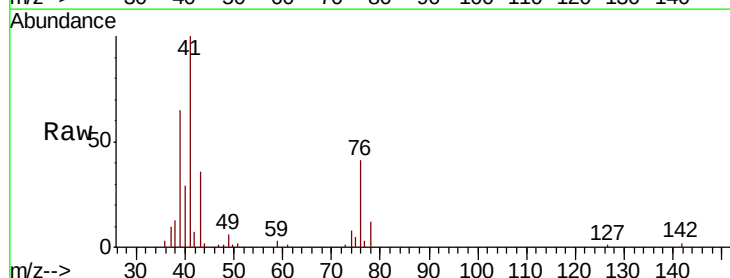
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD01

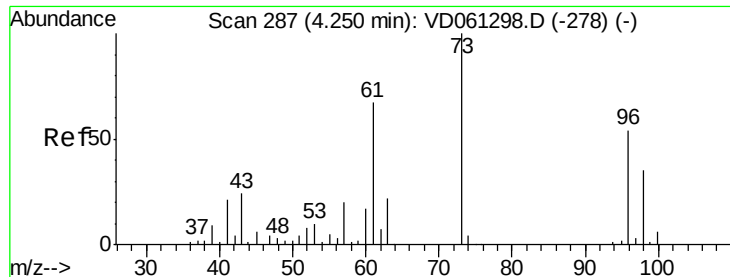
Tot Ion: 76 Resp: 544383
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6



#18
Methyl Acetate
Concen: 21.097 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Tgt Ion: 43 Resp: 65202
Ion Ratio Lower Upper
43 100
74 21.7 16.6 25.0

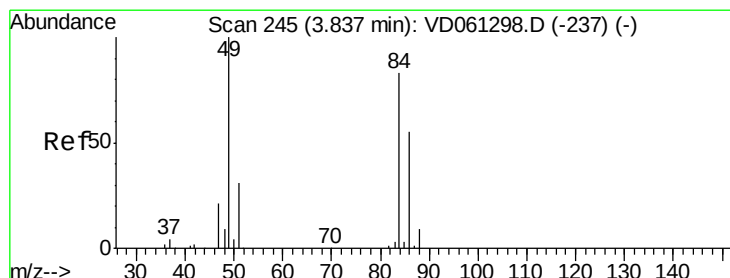
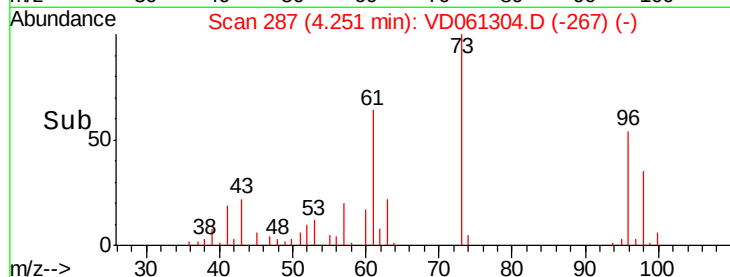
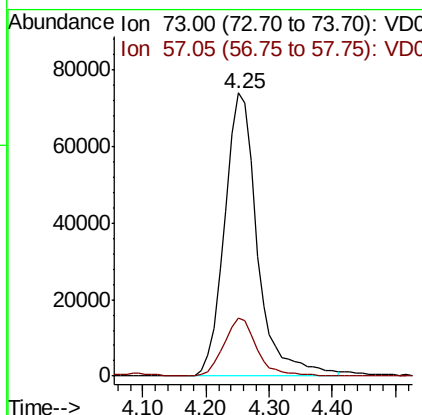
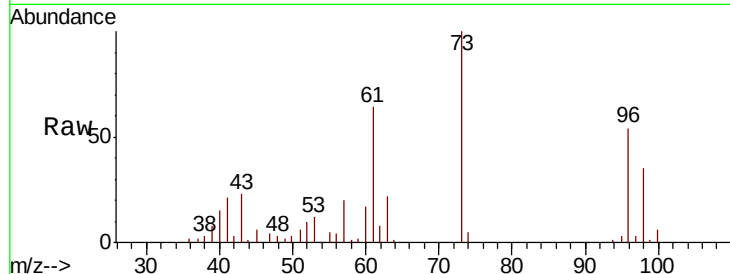




#19
Methyl tert-butyl Ether
Concen: 19.790 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

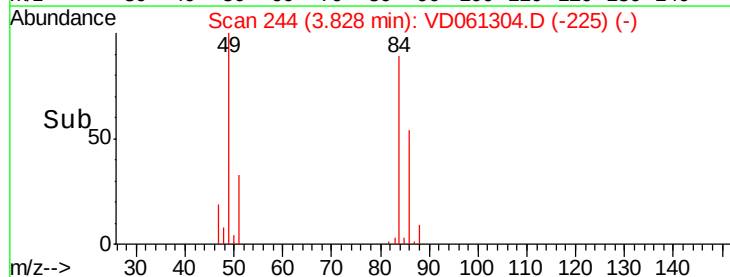
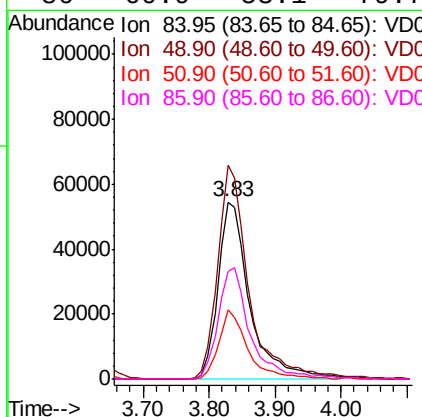
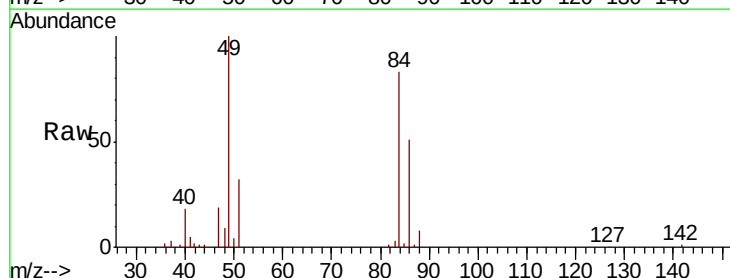
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

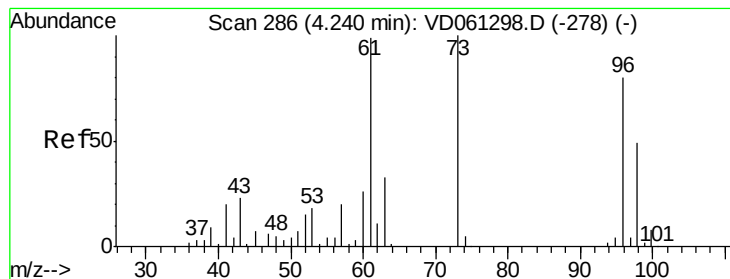
Tot Ion: 73 Resp: 266583
Ion Ratio Lower Upper
73 100
57 20.5 16.3 24.5



#20
Methylene Chloride
Concen: 19.690 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.01 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Tgt Ion: 84 Resp: 182719
Ion Ratio Lower Upper
84 100
49 120.6 96.8 145.2
51 38.9 29.9 44.9
86 60.9 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 20.298 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

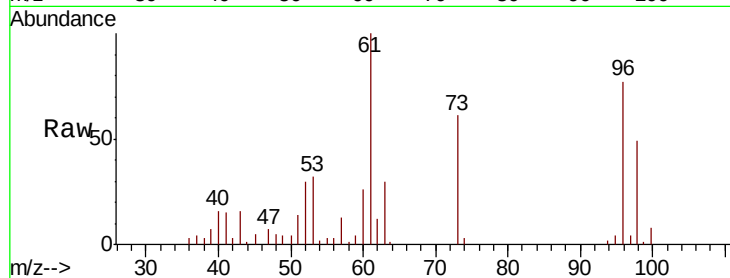
Tot Ion: 96 Resp: 173691

Ion Ratio Lower Upper

96 100

61 130.7 99.2 148.8

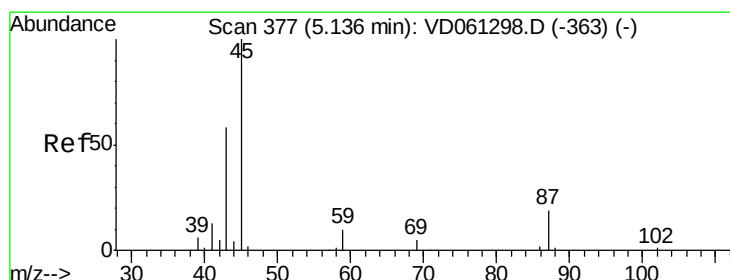
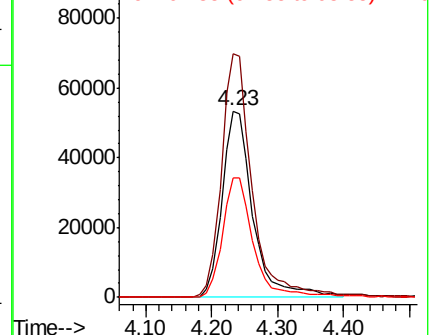
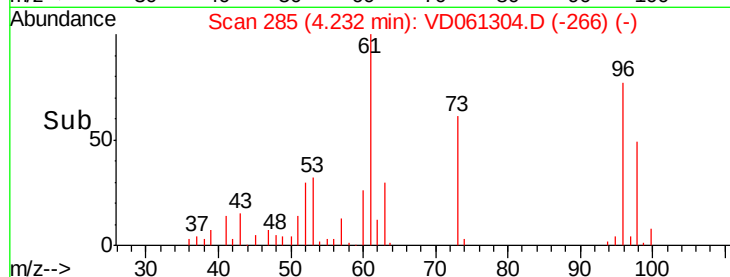
98 64.1 49.2 73.8



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: 21.519 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Tgt Ion: 45 Resp: 491877

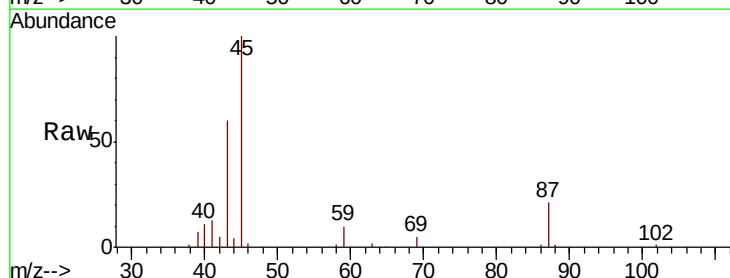
Ion Ratio Lower Upper

45 100

43 59.6 46.7 70.1

87 20.5 15.5 23.3

59 9.6 8.4 12.6

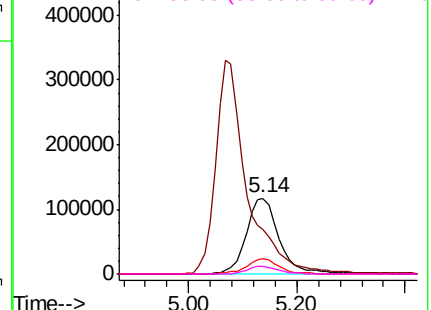
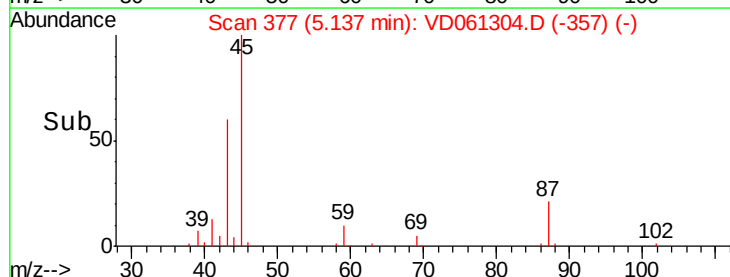


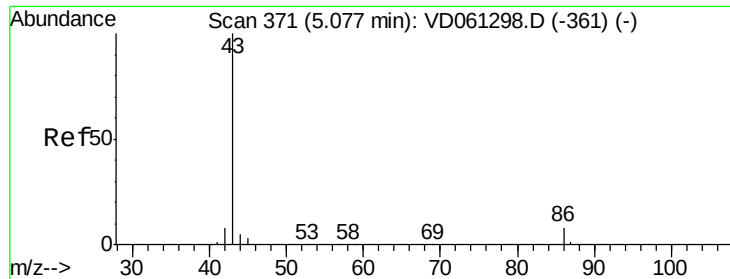
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 107.187 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

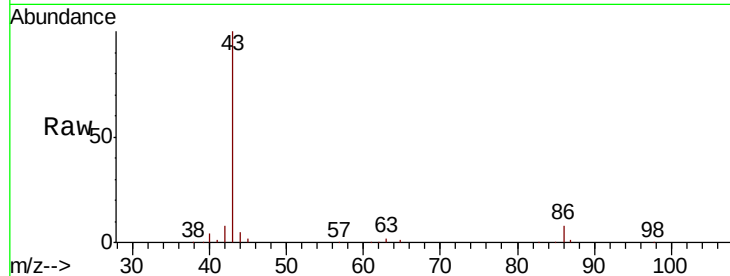
VD0325SBSD01

Tot Ion: 43 Resp: 1308550

Ion Ratio Lower Upper

43 100

86 8.0 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VD061298.D (-361) (-)

Ion 86.00 (85.70 to 86.70): VD061298.D (-361) (-)

5.07

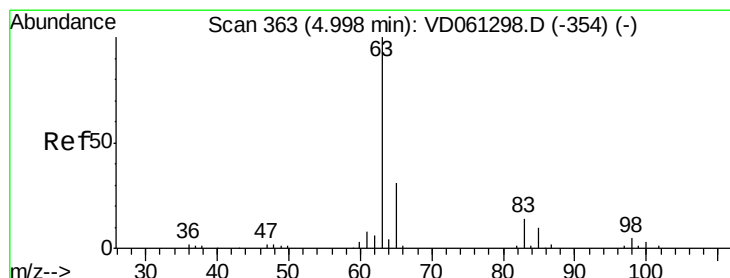
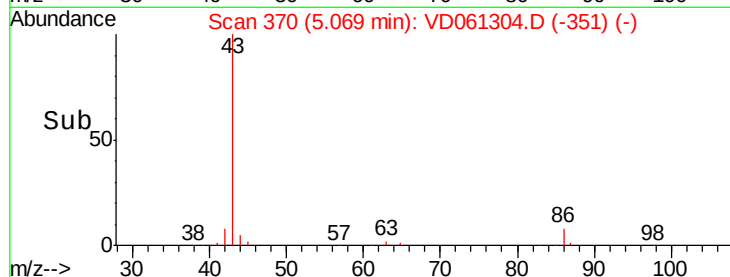
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.804 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

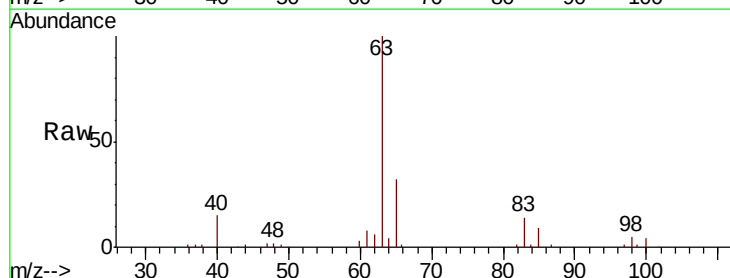
Tgt Ion: 63 Resp: 277114

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 4.1 1.6 4.8



Abundance Ion 62.95 (62.65 to 63.65): VD061298.D (-354) (-)

Ion 97.95 (97.65 to 98.65): VD061298.D (-354) (-)

Ion 99.95 (99.65 to 100.65): VD061298.D (-354) (-)

5.00

100000

80000

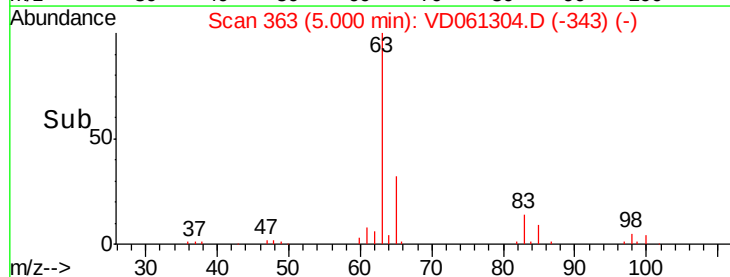
60000

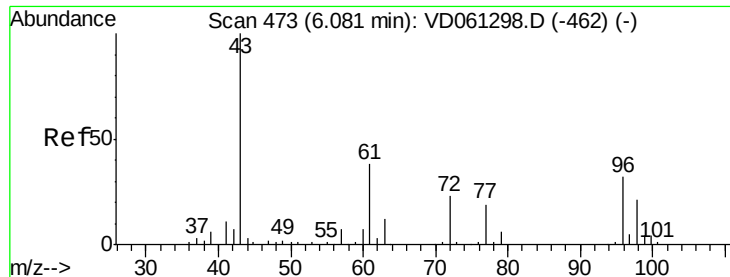
40000

20000

0

Time-->





#25

2-Butanone

Concen: 103.498 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

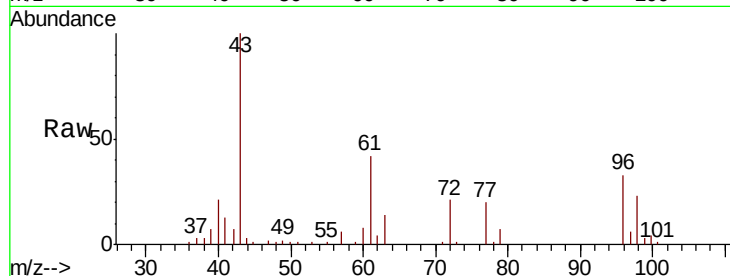
VD0325SBS01

Tot Ion: 43 Resp: 195730

Ion Ratio Lower Upper

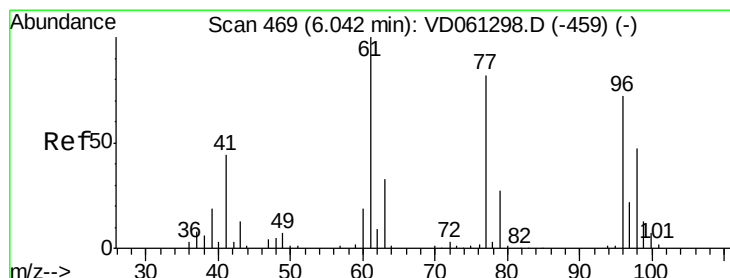
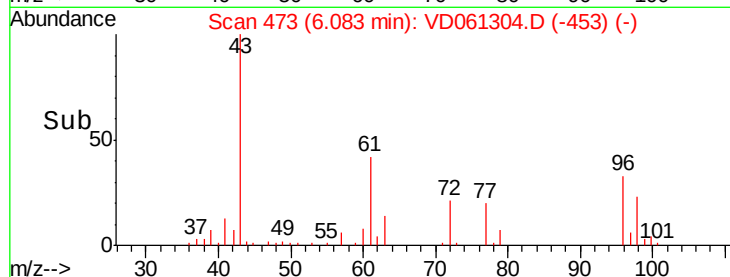
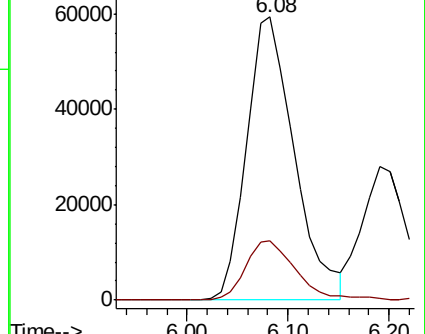
43 100

72 21.0 18.5 27.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.591 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD061304.D

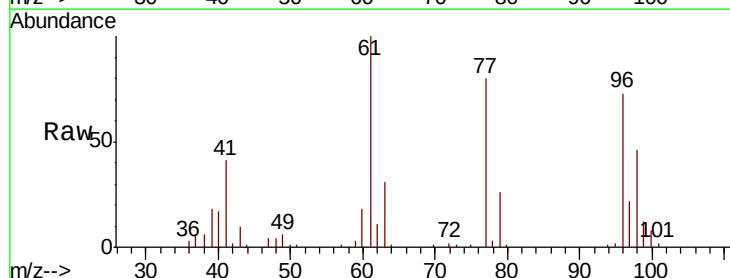
Acq: 25 Mar 2019 16:16

Tgt Ion: 77 Resp: 232896

Ion Ratio Lower Upper

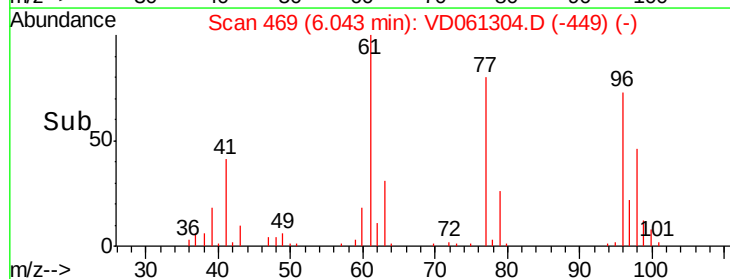
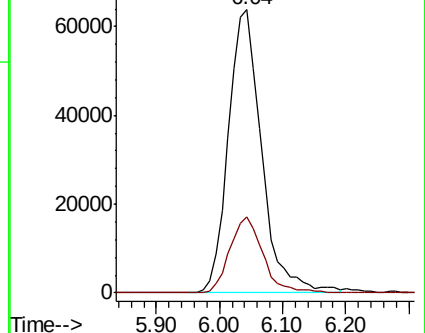
77 100

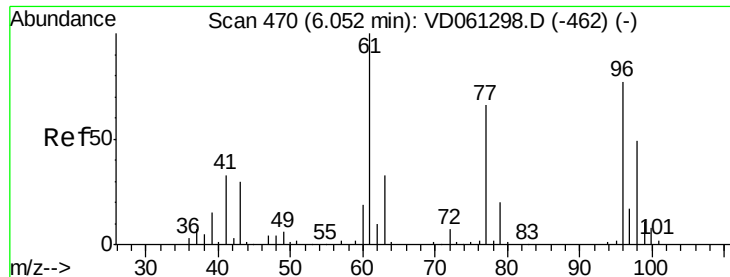
97 26.9 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



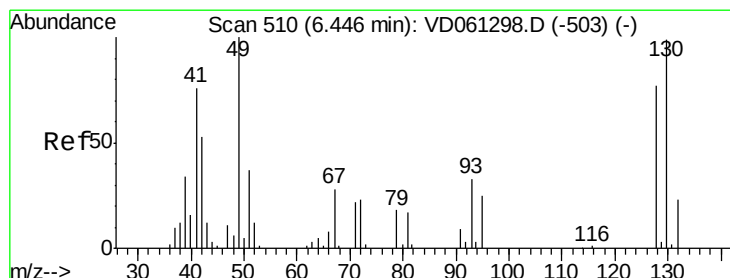
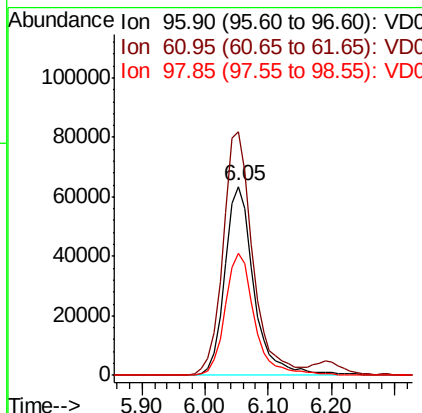
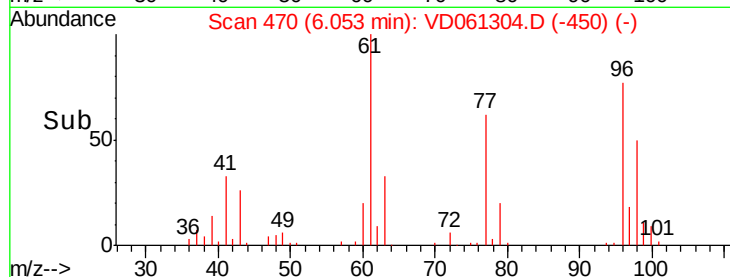
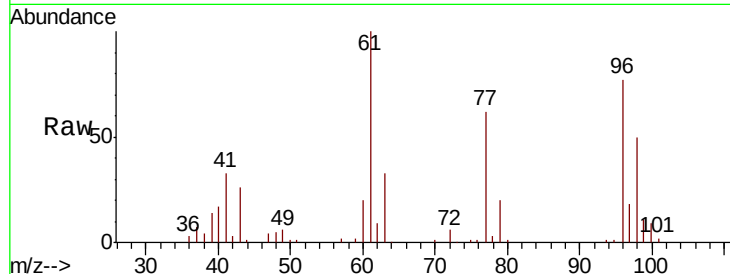


#27

cis-1,2-Dichloroethene
 Concen: 21.833 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD01

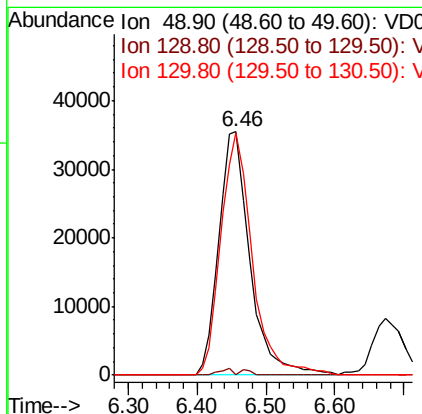
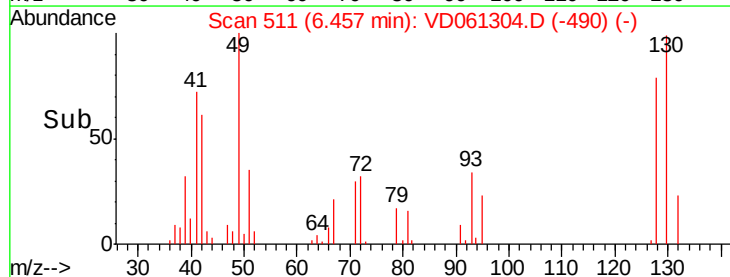
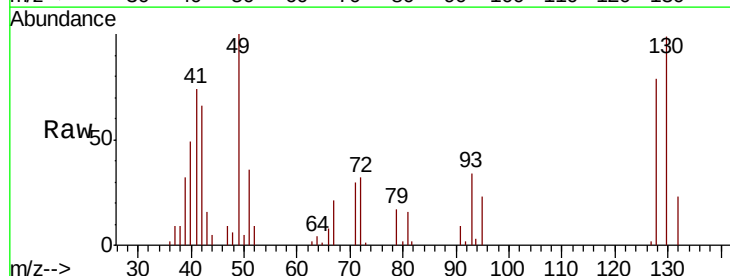
Tot Ion: 96 Resp: 201051
 Ion Ratio Lower Upper
 96 100
 61 129.1 0.0 261.0
 98 64.6 0.0 127.6

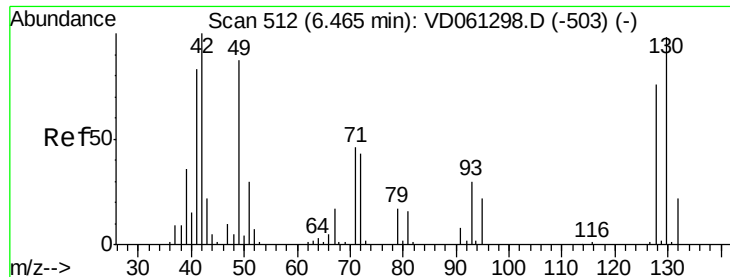


#28

Bromochloromethane
 Concen: 19.938 ug/l
 RT: 6.46 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Tgt Ion: 49 Resp: 111161
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.2
 130 99.3 79.0 118.6





#29

Tetrahydrofuran

Concen: 103.655 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.01 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

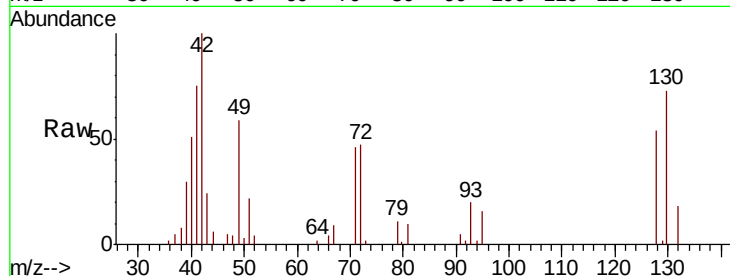
Tot Ion: 42 Resp: 97572

Ion Ratio Lower Upper

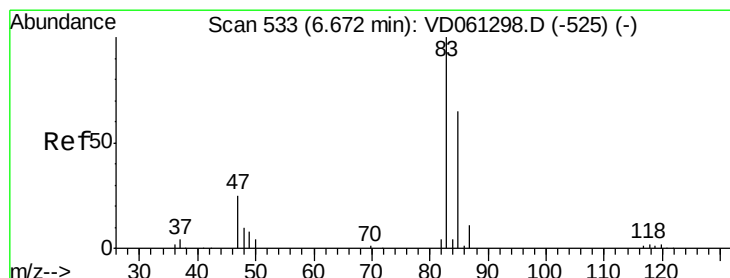
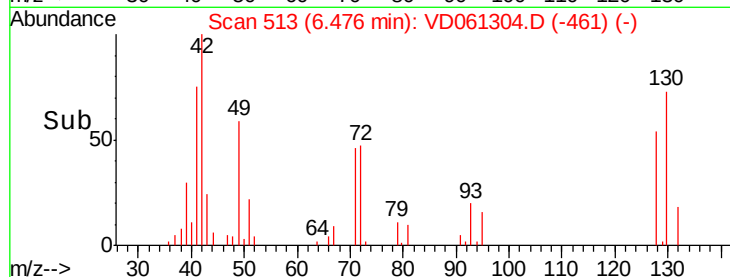
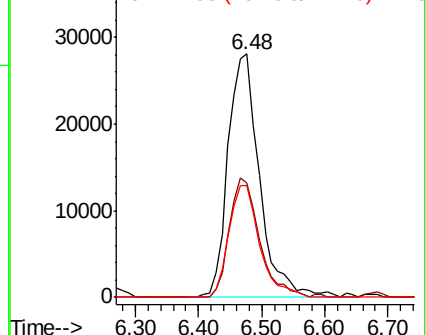
42 100

72 46.5 36.6 54.8

71 44.6 36.3 54.5



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: 22.004 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061304.D

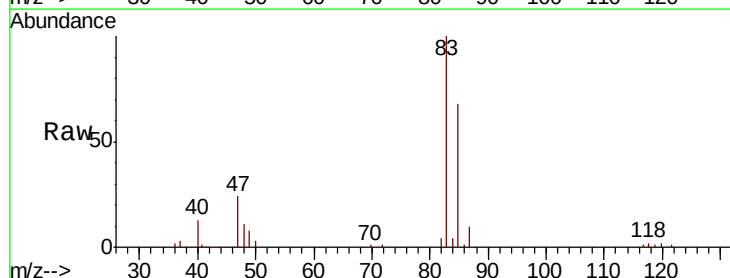
Acq: 25 Mar 2019 16:16

Tgt Ion: 83 Resp: 312335

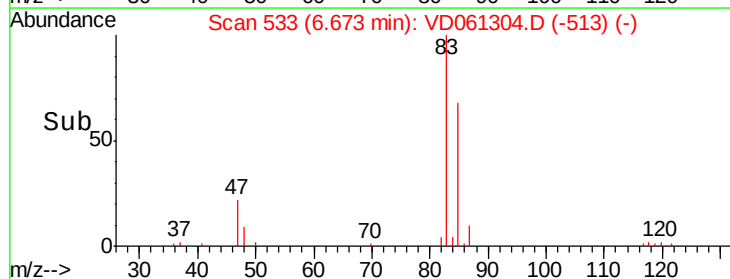
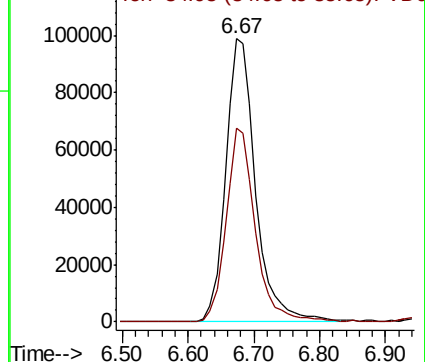
Ion Ratio Lower Upper

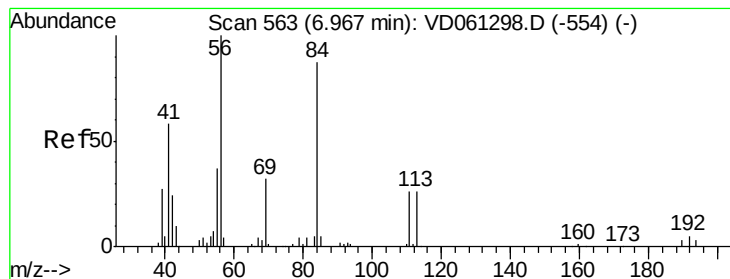
83 100

85 68.5 52.2 78.2



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





#31

Cyclohexane

Concen: 21.084 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

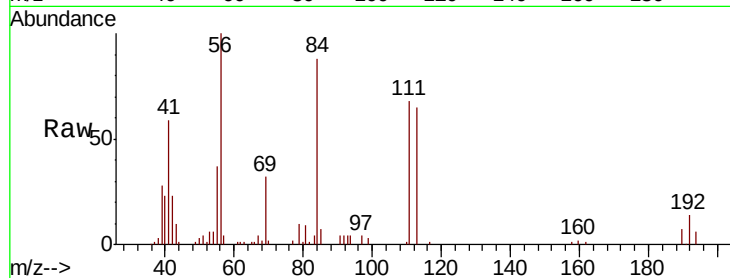
Tot Ion: 56 Resp: 227940

Ion Ratio Lower Upper

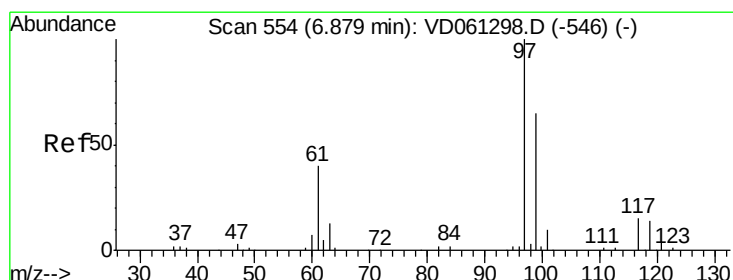
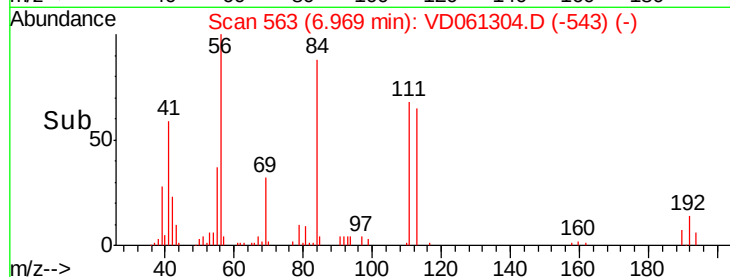
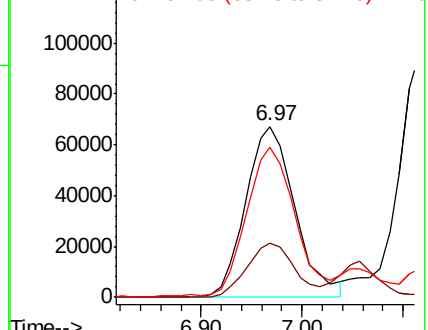
56 100

69 31.5 25.5 38.3

84 88.1 71.4 107.2



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



#32

1,1,1-Trichloroethane

Concen: 20.155 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

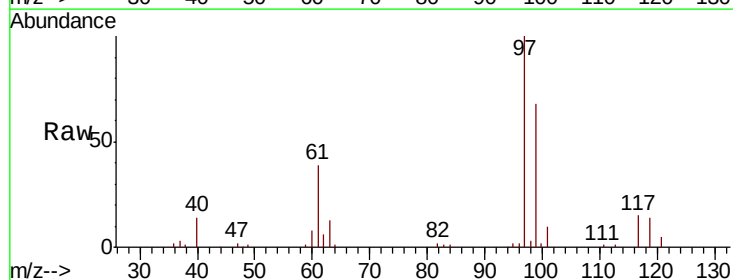
Tgt Ion: 97 Resp: 253369

Ion Ratio Lower Upper

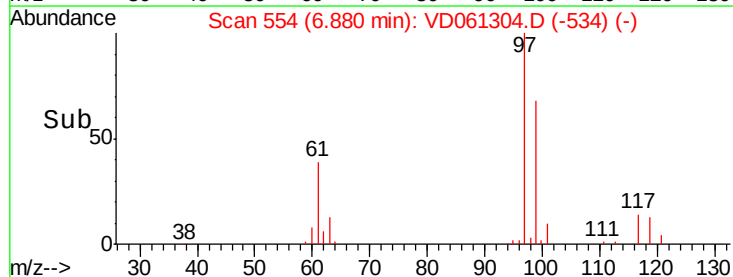
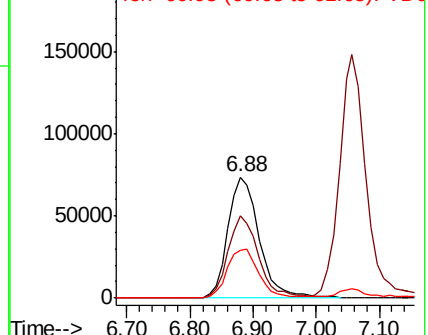
97 100

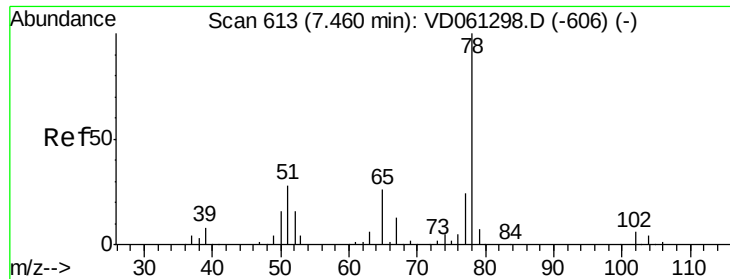
99 67.6 51.8 77.6

61 39.0 31.9 47.9



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





#33

1,2-Dichloroethane-d4

Concen: 20.155 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

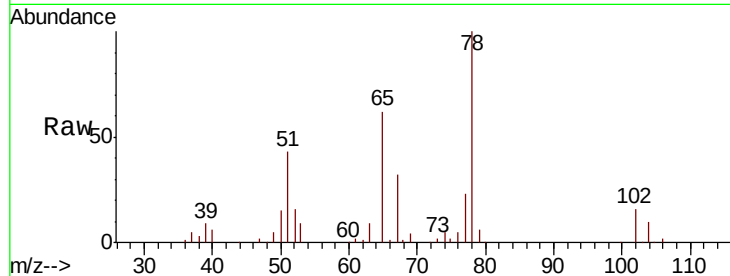
VD0325SBSD01

Tot Ion: 65 Resp: 323261

Ion Ratio Lower Upper

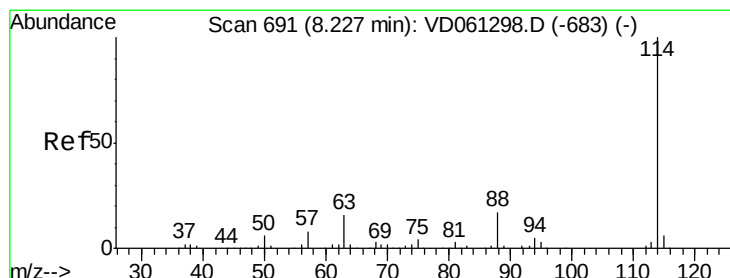
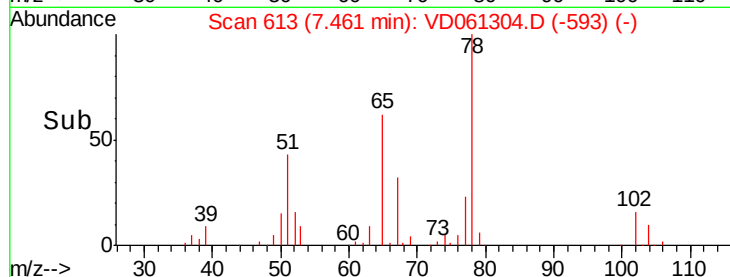
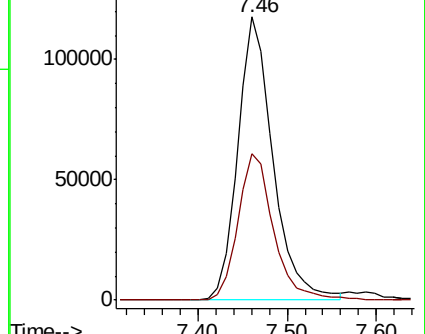
65 100

67 51.9 0.0 100.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

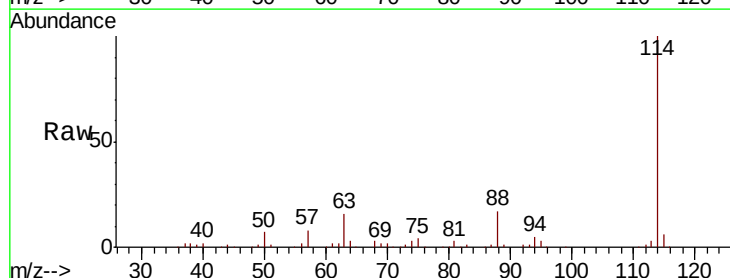
Tgt Ion: 114 Resp: 1386000

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.4

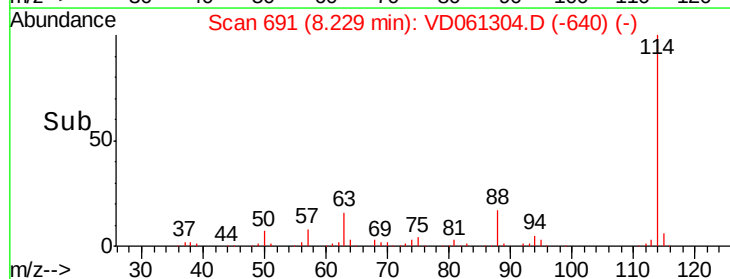
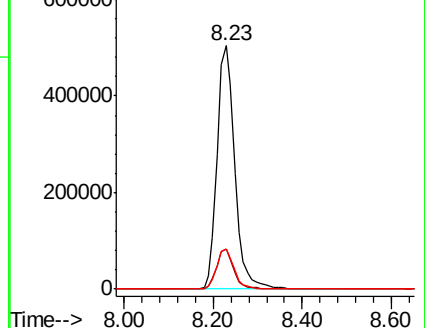
88 16.7 0.0 33.2

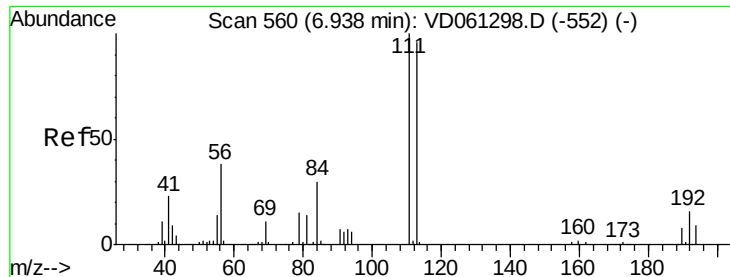


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD01

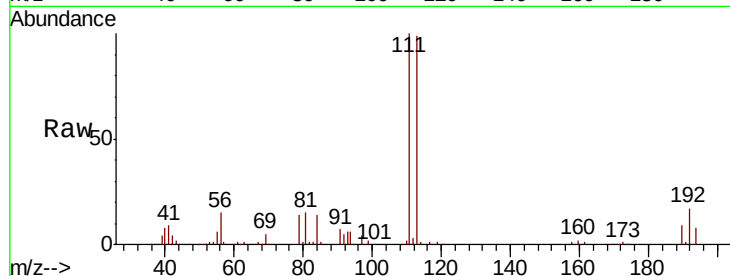
Tot Ion:113 Resp: 519712

Ion Ratio Lower Upper

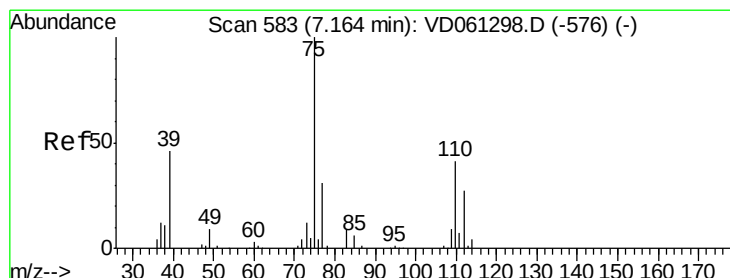
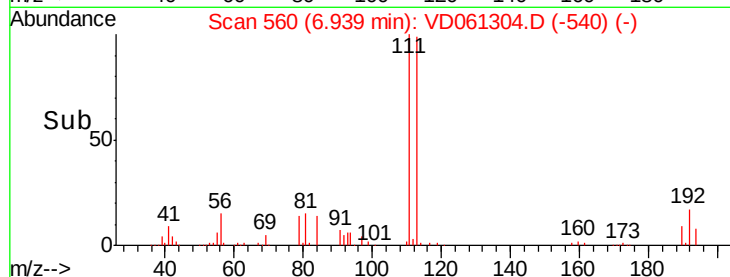
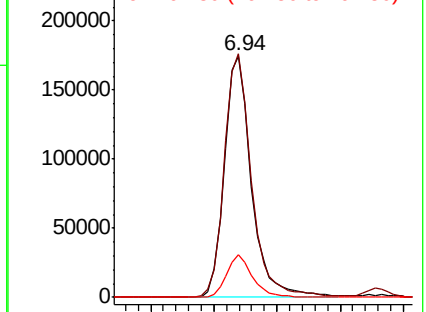
113 100

111 100.8 83.7 125.5

192 17.4 13.4 20.0



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



#36

1,1-Dichloropropene

Concen: 21.105 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

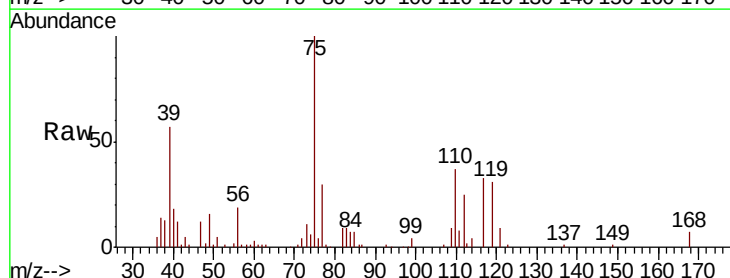
Tgt Ion: 75 Resp: 239320

Ion Ratio Lower Upper

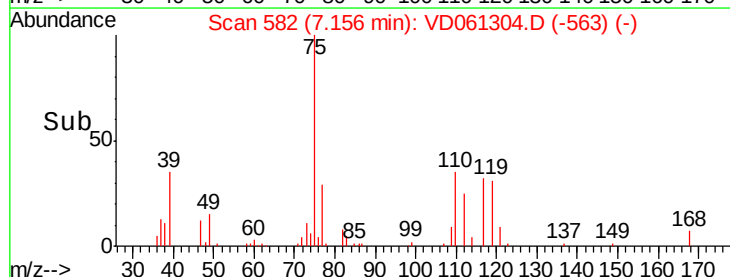
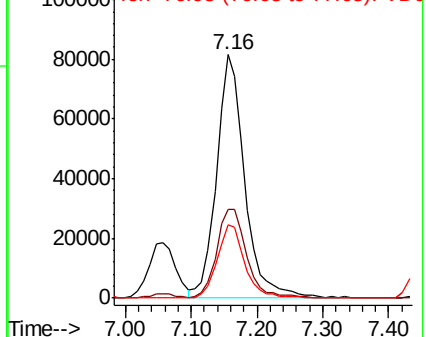
75 100

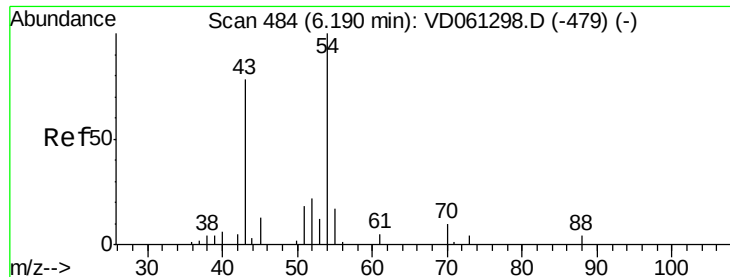
110 36.5 20.1 60.2

77 30.4 24.3 36.5



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

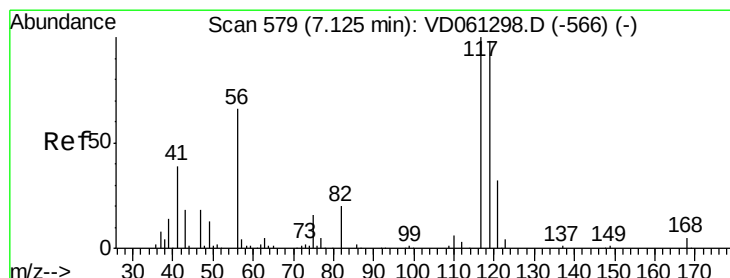
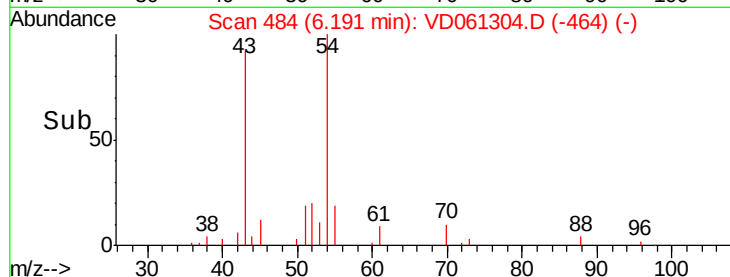
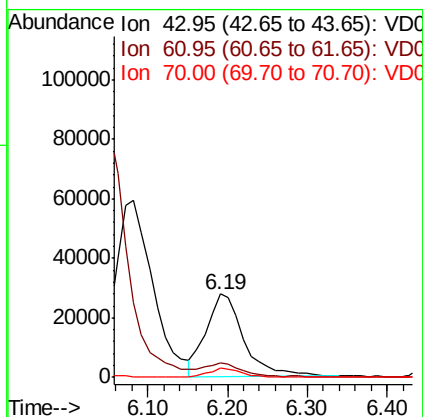
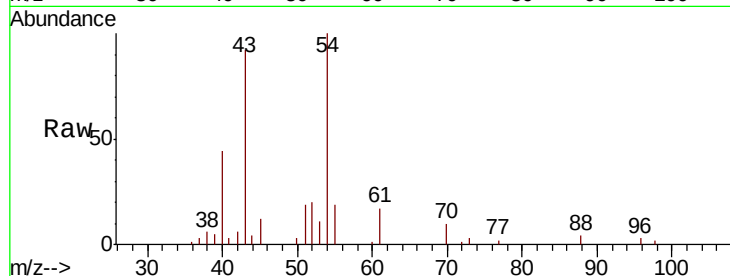




#37
Ethyl Acetate
Concen: 18.951 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

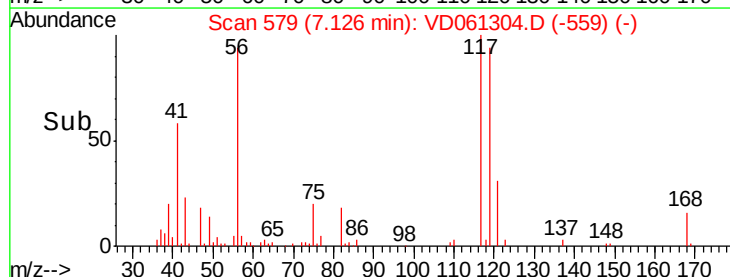
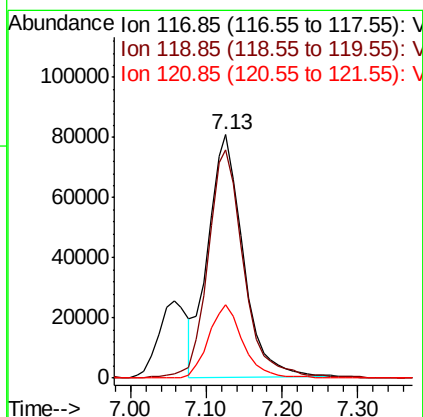
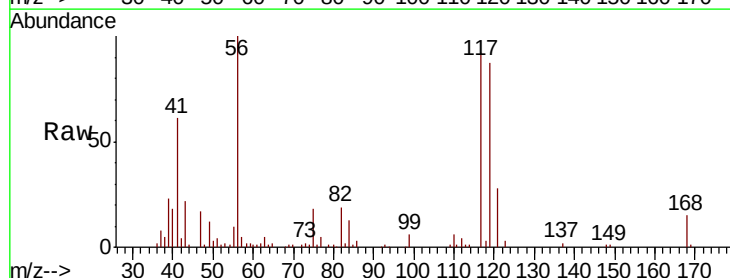
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD01

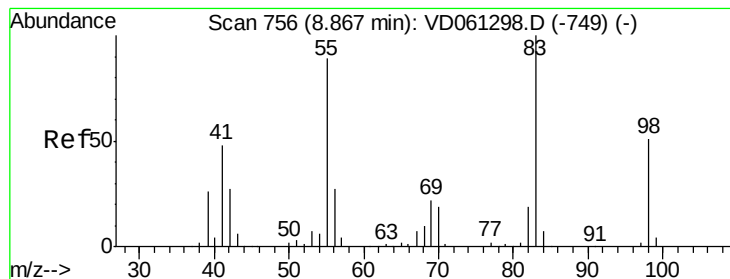
Tot Ion: 43 Resp: 89759
Ion Ratio Lower Upper
43 100
61 18.1 12.6 19.0
70 10.9 8.2 12.4



#38
Carbon Tetrachloride
Concen: 20.125 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Tgt Ion: 117 Resp: 260835
Ion Ratio Lower Upper
117 100
119 93.7 78.4 117.6
121 29.9 25.1 37.7





#39

Methylvlcyclohexane

Concen: 19.969 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

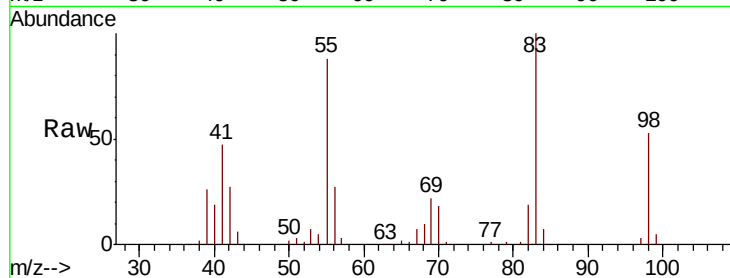
Tot Ion: 83 Resp: 234523

Ion Ratio Lower Upper

83 100

55 88.3 71.3 106.9

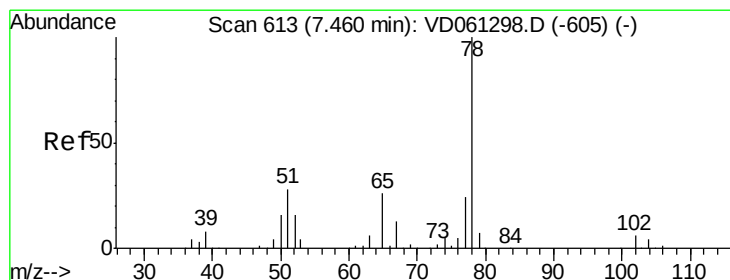
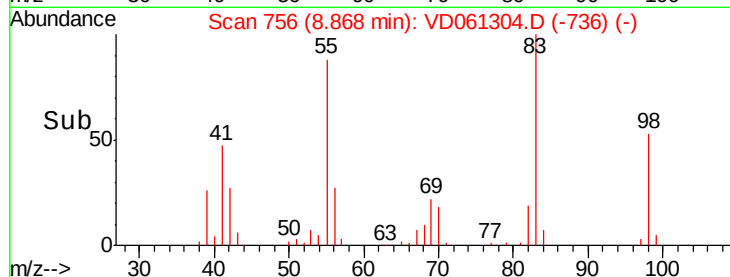
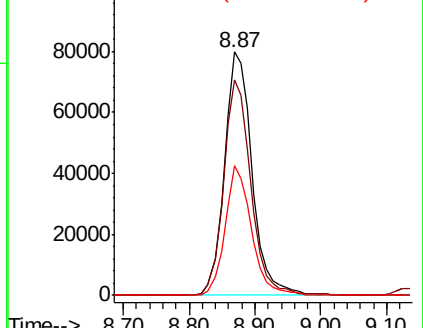
98 53.1 40.4 60.6



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: 19.962 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061304.D

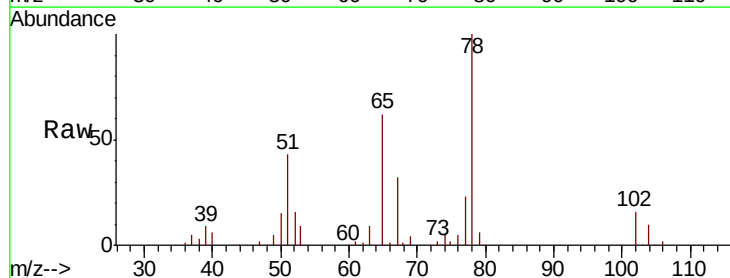
Acq: 25 Mar 2019 16:16

Tgt Ion: 78 Resp: 562190

Ion Ratio Lower Upper

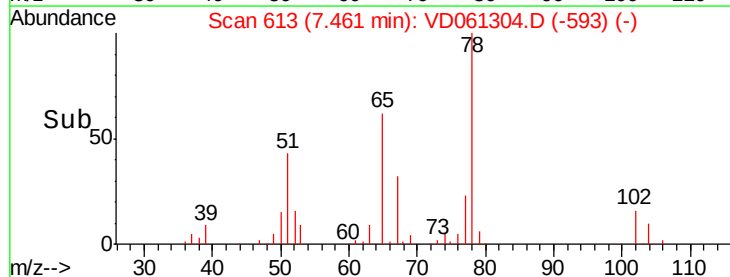
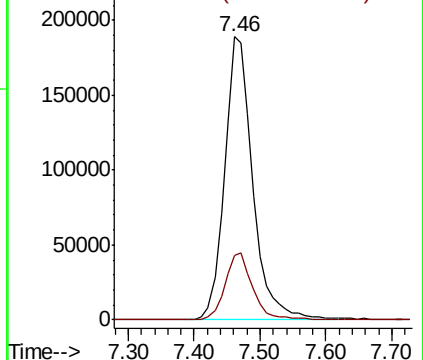
78 100

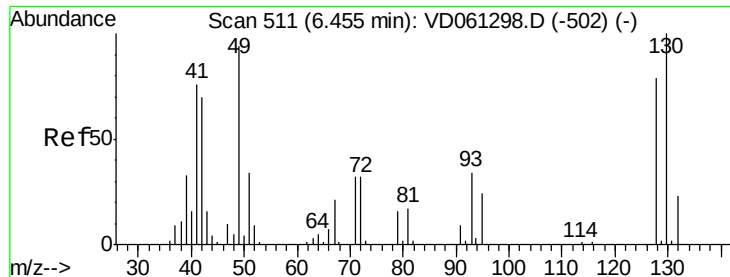
77 23.0 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

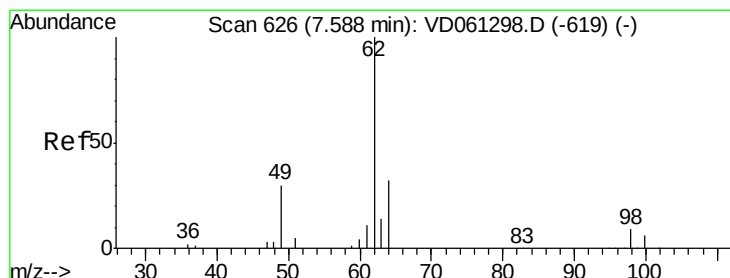
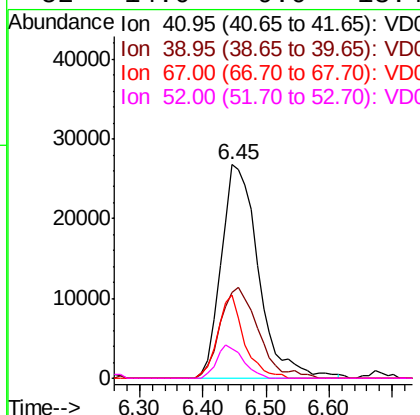
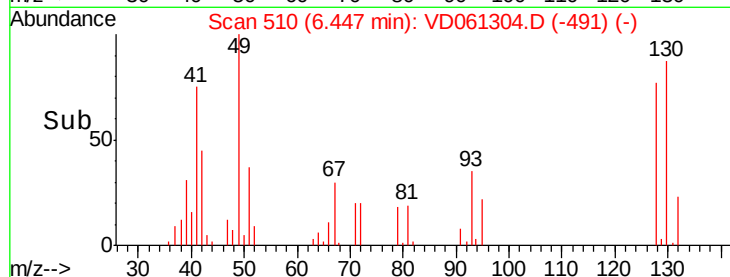
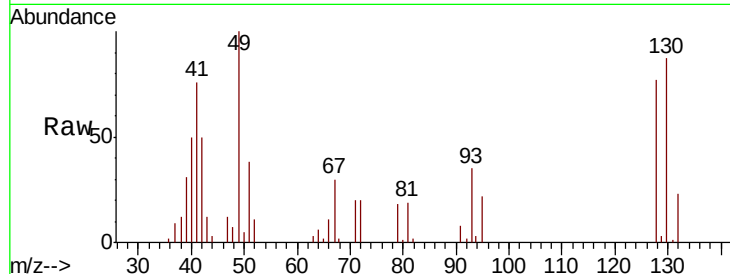




#41
Methacrylonitrile
Concen: 19.894 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

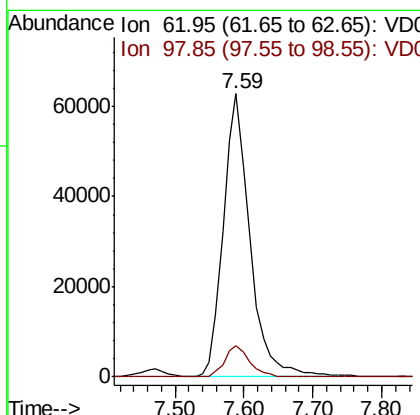
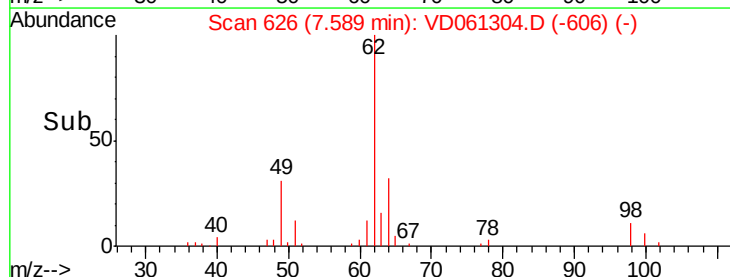
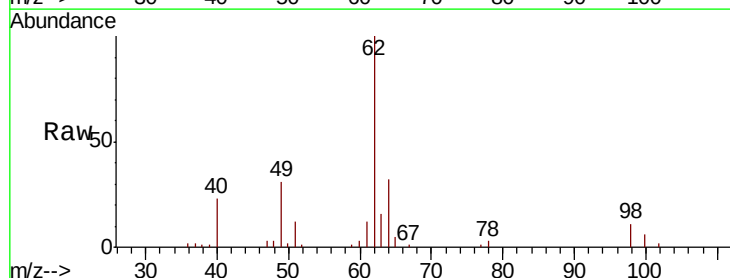
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD01

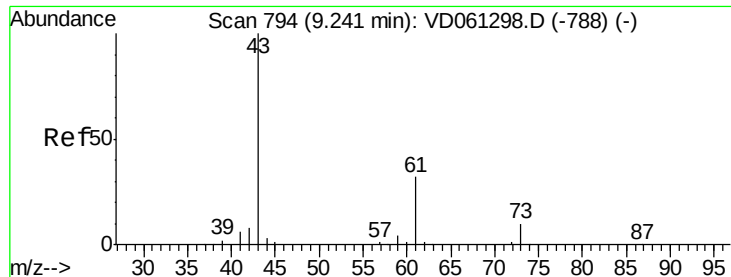
Tot Ion: 41 Resp: 109496
Ion Ratio Lower Upper
41 100
39 40.2 34.2 51.2
67 38.8 21.8 32.6#
52 14.0 9.0 13.4#



#42
1,2-Dichloroethane
Concen: 19.083 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Tgt Ion: 62 Resp: 167495
Ion Ratio Lower Upper
62 100
98 10.9 0.0 18.6





#43

Isopropyl Acetate

Concen: 20.228 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

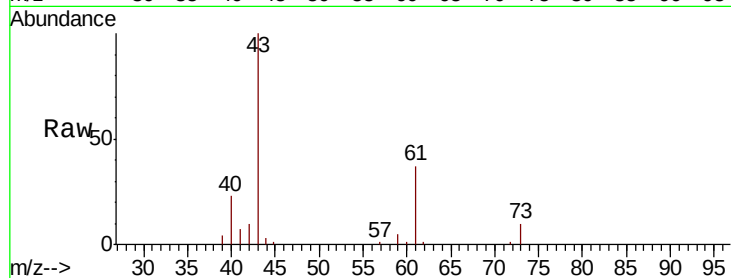
Tot Ion: 43 Resp: 138140

Ion Ratio Lower Upper

43 100

61 37.3 25.8 38.8

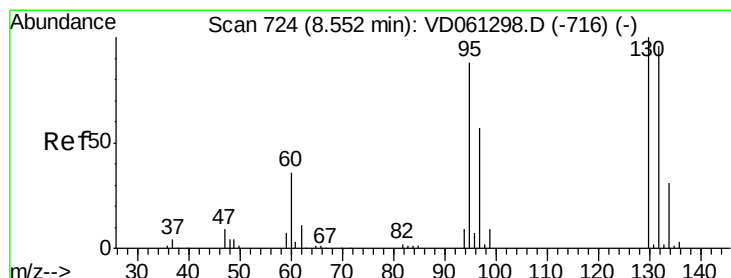
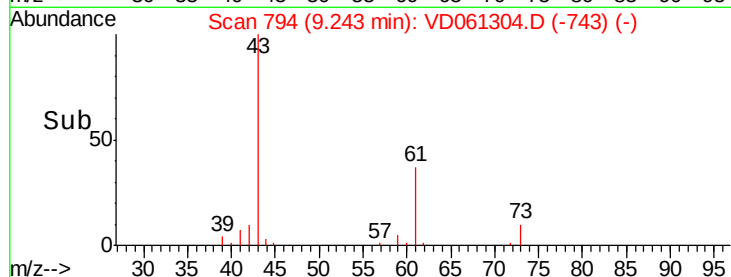
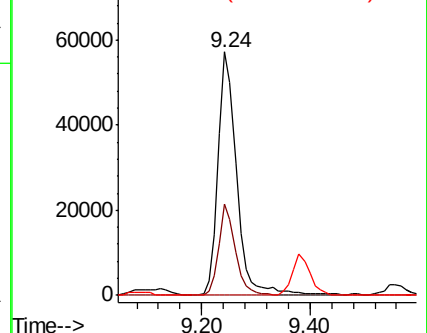
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.081 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD061304.D

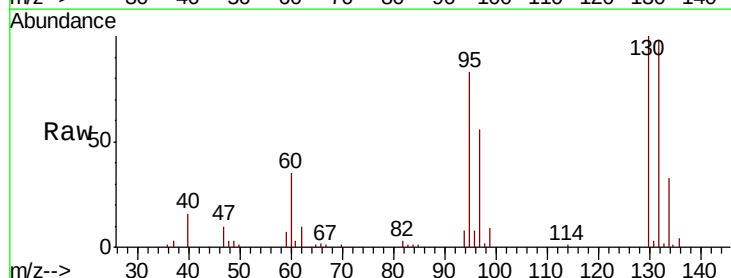
Acq: 25 Mar 2019 16:16

Tgt Ion:130 Resp: 214719

Ion Ratio Lower Upper

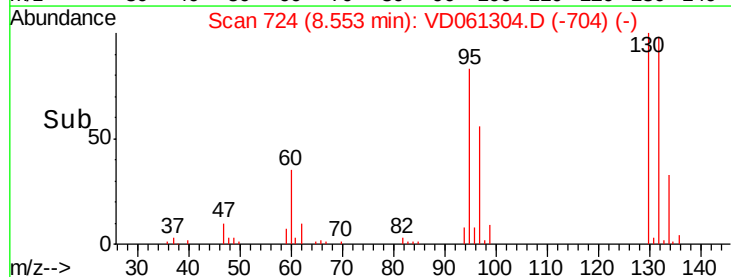
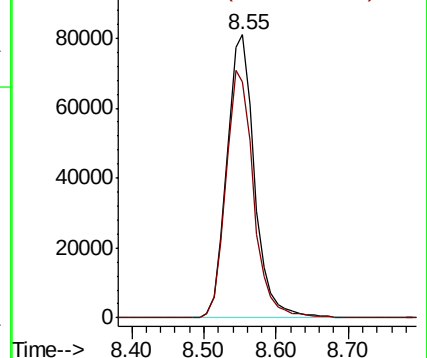
130 100

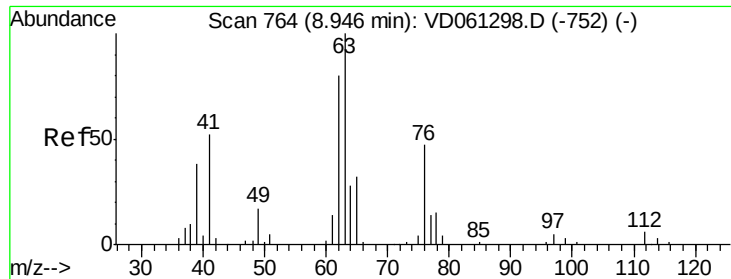
95 83.3 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

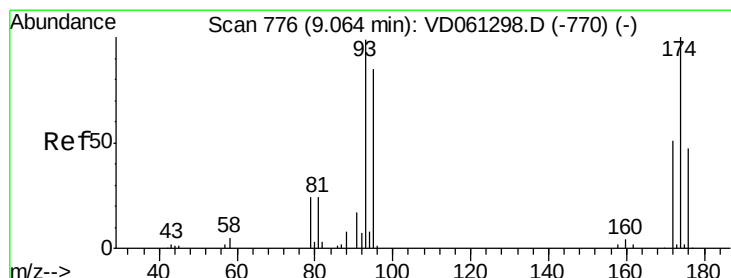
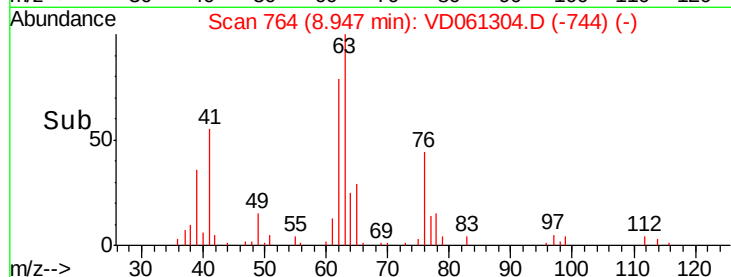
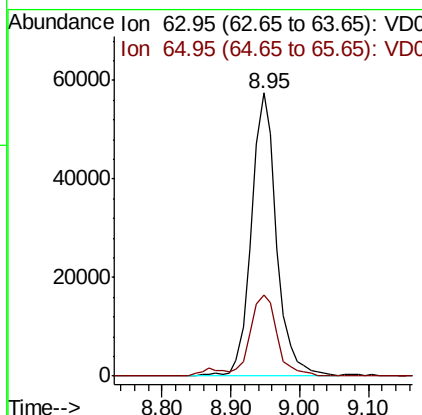
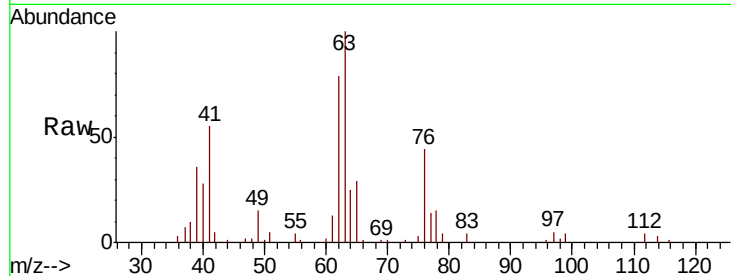




#45
 1,2-Dichloropropane
 Concen: 21.020 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

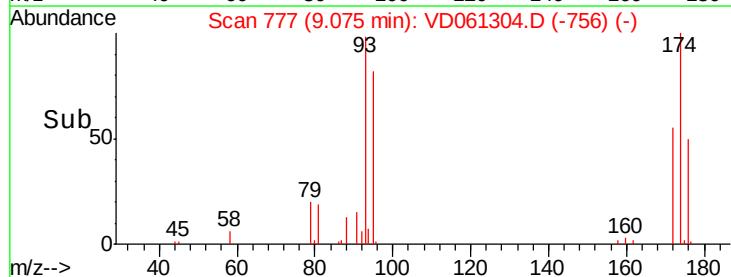
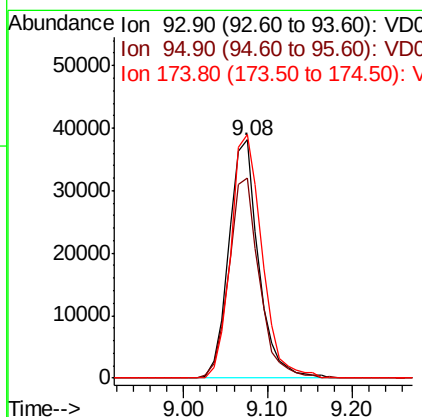
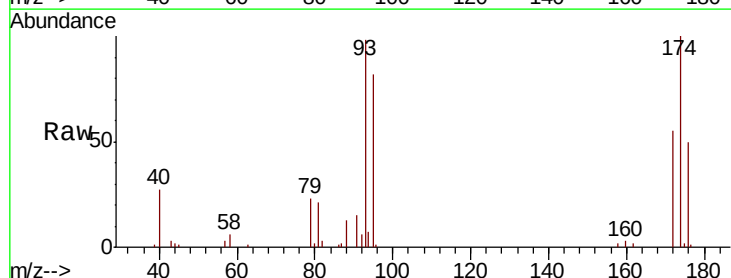
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD01

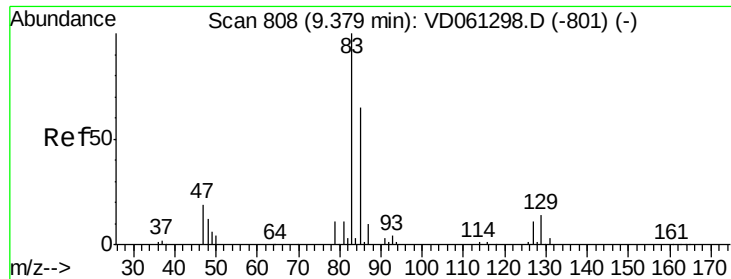
Tot Ion: 63 Resp: 146110
 Ion Ratio Lower Upper
 63 100
 65 28.8 25.2 37.8



#46
 Dibromomethane
 Concen: 19.627 ug/l
 RT: 9.08 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Tgt Ion: 93 Resp: 93511
 Ion Ratio Lower Upper
 93 100
 95 84.1 68.1 102.1
 174 102.2 80.4 120.6





#47

Bromodichloromethane

Concen: 18.473 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD01

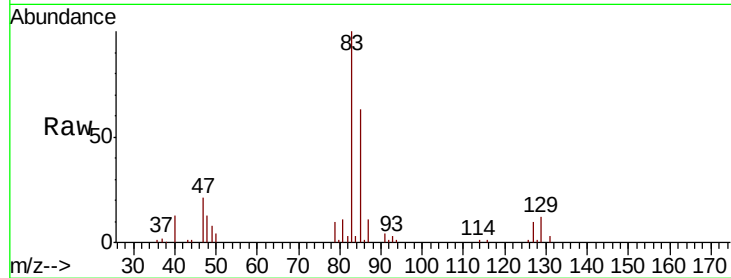
Tot Ion: 83 Resp: 206290

Ion Ratio Lower Upper

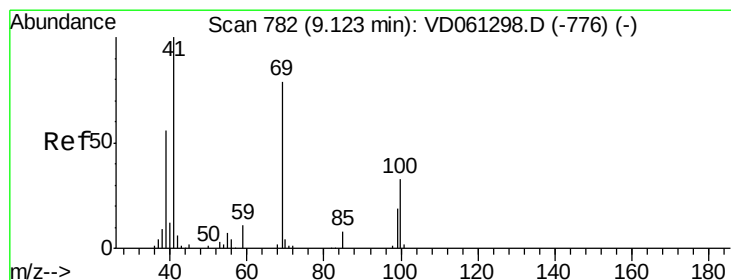
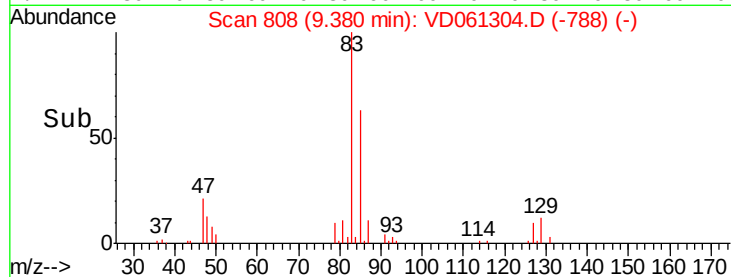
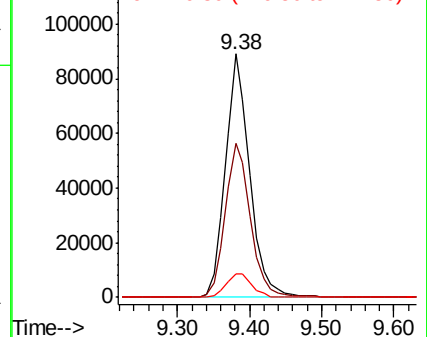
83 100

85 63.5 51.7 77.5

127 9.7 8.8 13.2



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



#48

Methyl methacrylate

Concen: 20.397 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

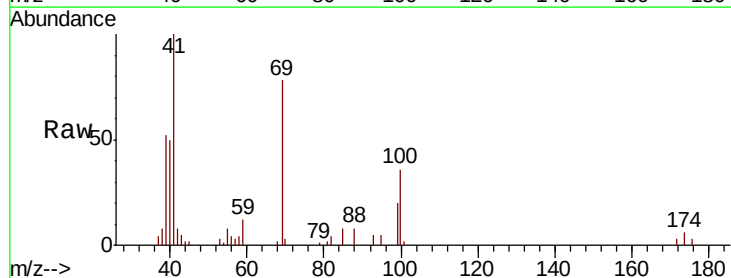
Tgt Ion: 41 Resp: 74348

Ion Ratio Lower Upper

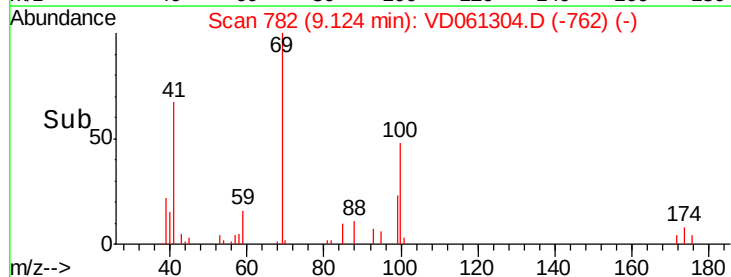
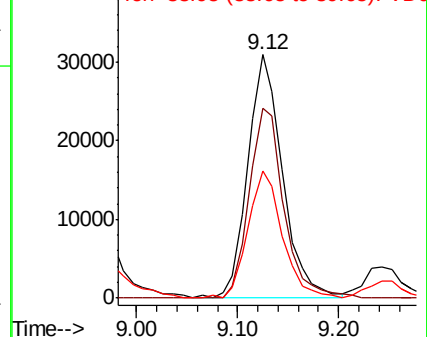
41 100

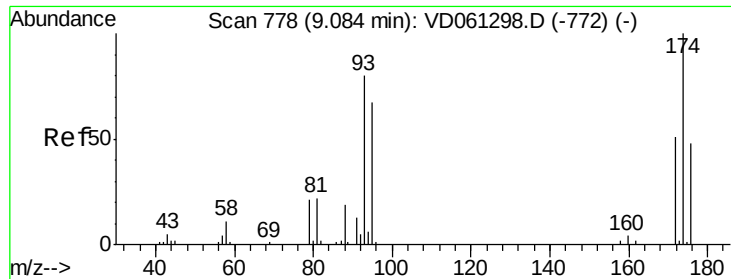
69 77.9 62.4 93.6

39 52.4 44.9 67.3



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

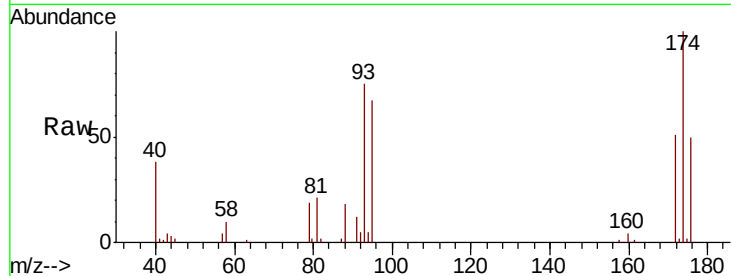




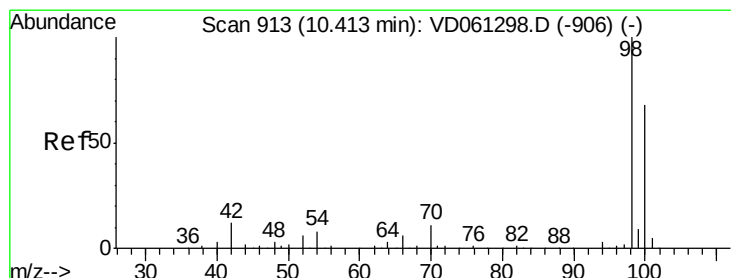
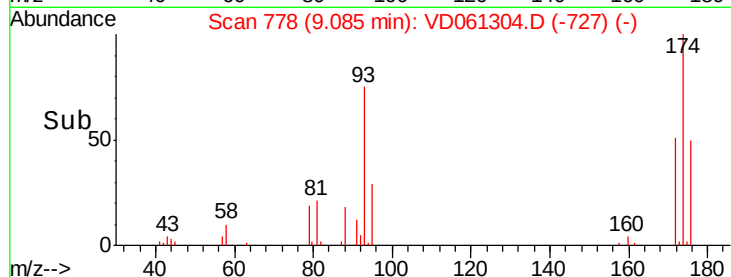
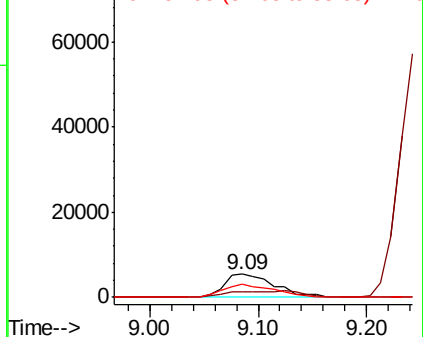
#49
1,4-Dioxane
Concen: 429.670 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD01

Tot Ion: 88 Resp: 17184
Ion Ratio Lower Upper
88 100
43 21.8 20.7 31.1
58 55.4 44.9 67.3

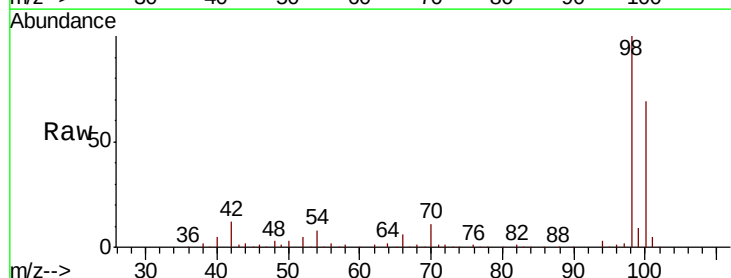


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

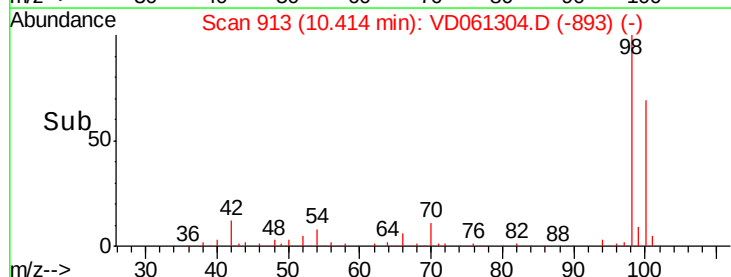
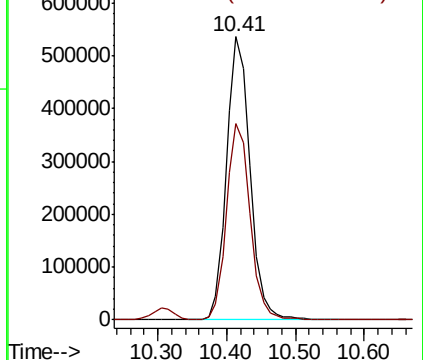


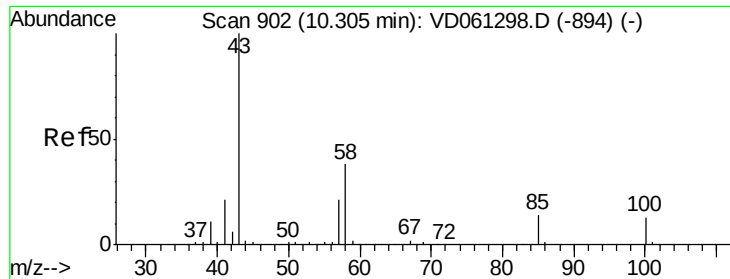
#50
Toluene-d8
Concen: 429.670 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Tgt Ion: 98 Resp: 1265841
Ion Ratio Lower Upper
98 100
100 69.5 55.4 83.0



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: 97.253 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

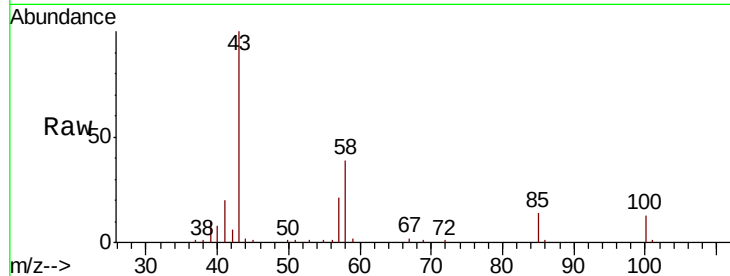
VD0325SBS01

Tot Ion: 43 Resp: 395378

Ion Ratio Lower Upper

43 100

58 38.8 30.6 45.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

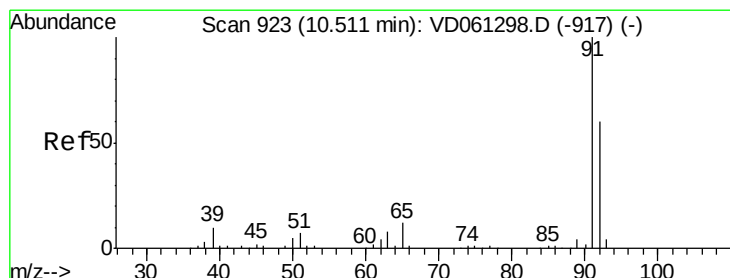
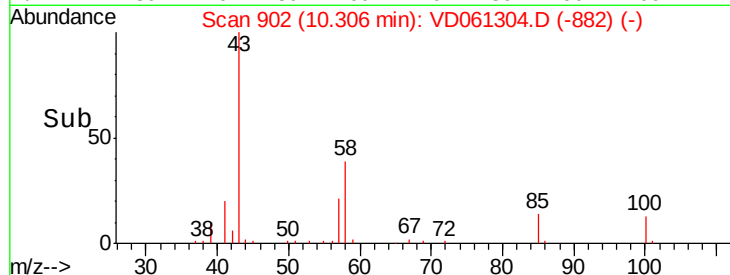
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.401 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD061304.D

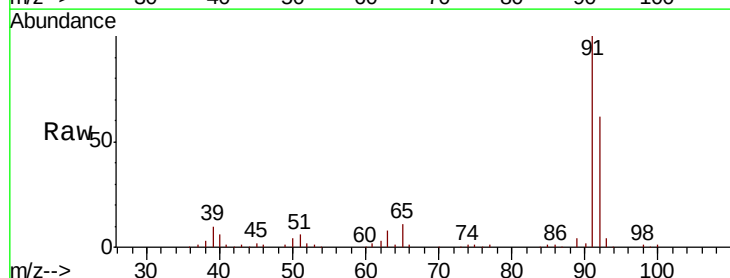
Acq: 25 Mar 2019 16:16

Tgt Ion: 92 Resp: 351560

Ion Ratio Lower Upper

92 100

91 161.8 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

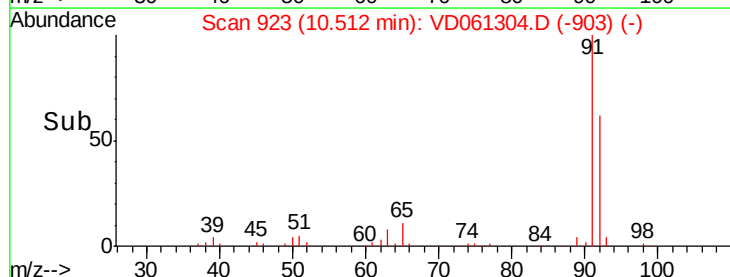
150000

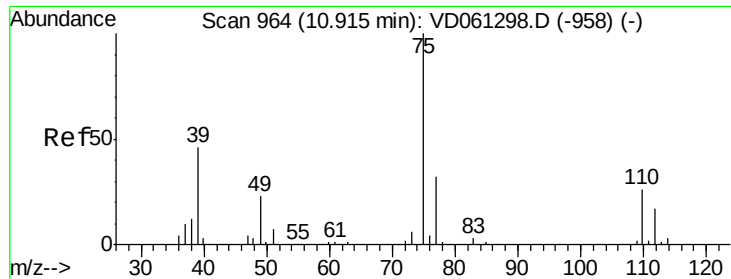
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.179 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

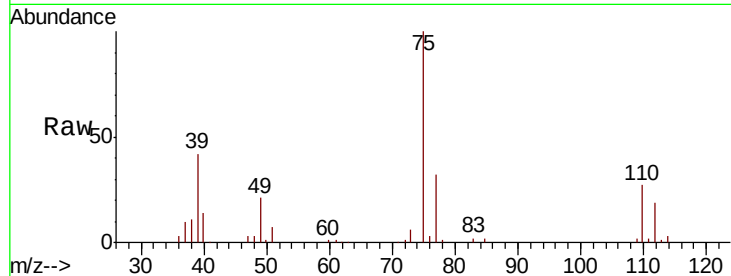
VD0325SBSD01

Tot Ion: 75 Resp: 195836

Ion Ratio Lower Upper

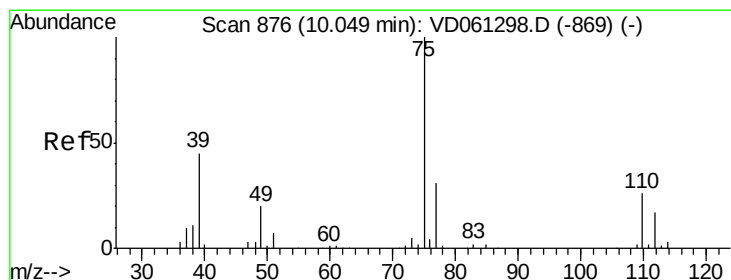
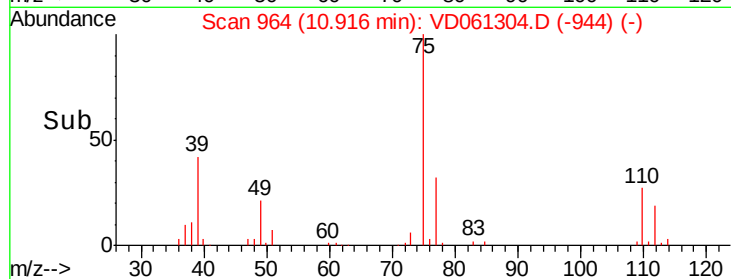
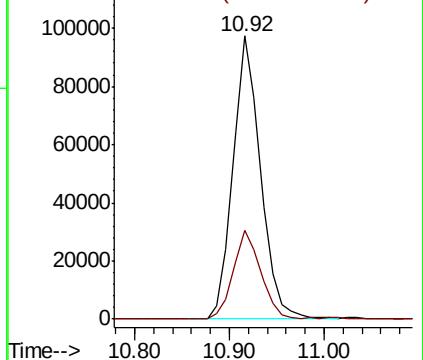
75 100

77 31.6 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.312 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

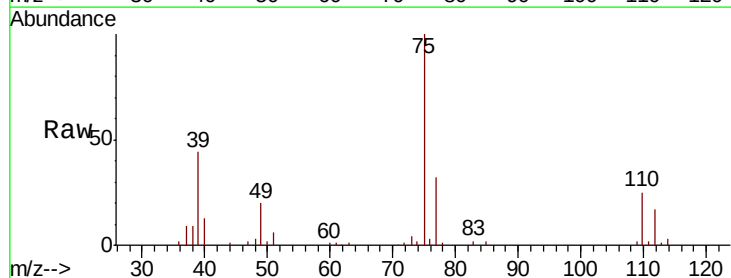
Tgt Ion: 75 Resp: 252567

Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3

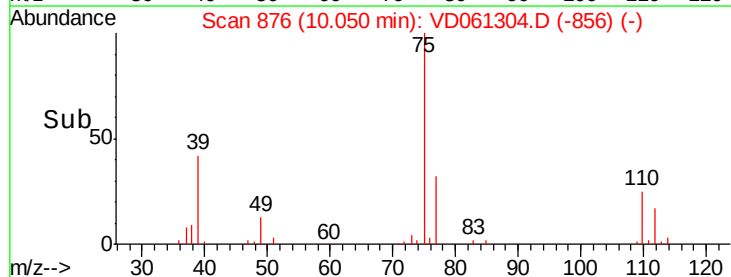
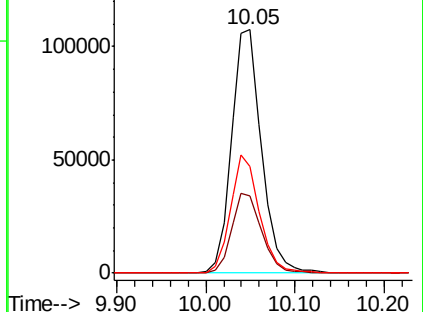
39 44.0 36.0 54.0

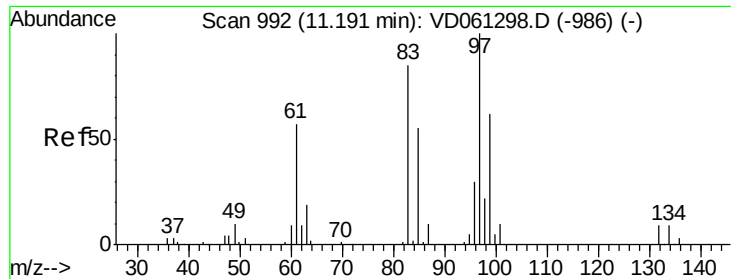


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

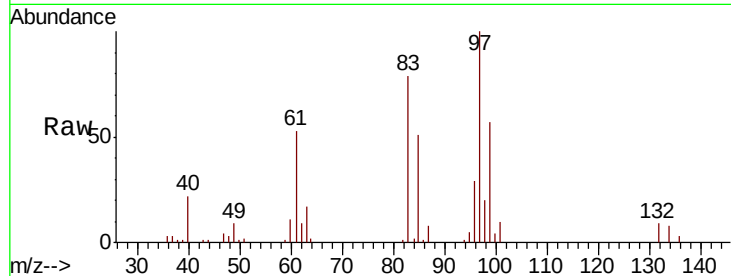




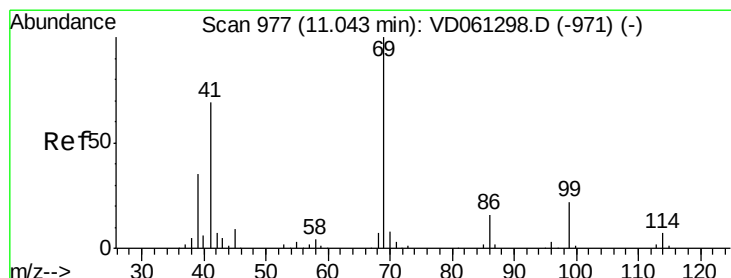
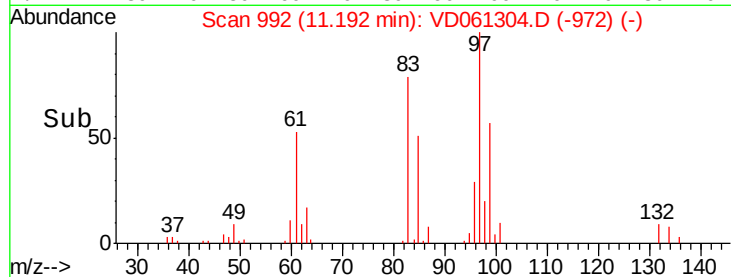
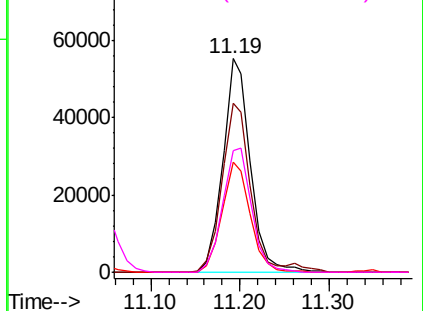
#55
 1,1,2-Trichloroethane
 Concen: 20.916 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD01

Tot Ion: 97 Resp: 119659
 Ion Ratio Lower Upper
 97 100
 83 79.4 67.7 101.5
 85 51.3 43.8 65.8
 99 57.1 49.8 74.6

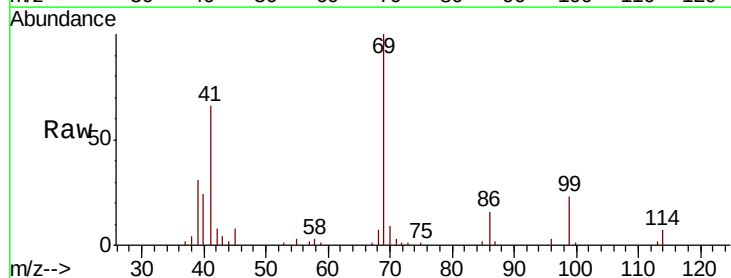


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

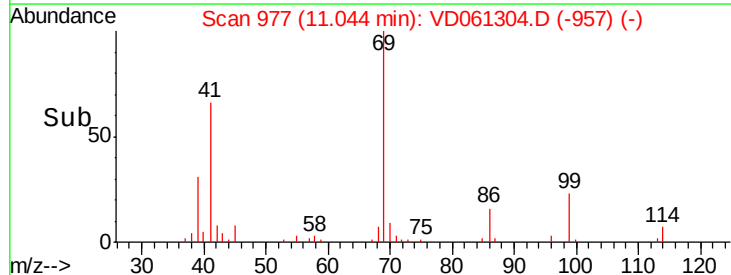
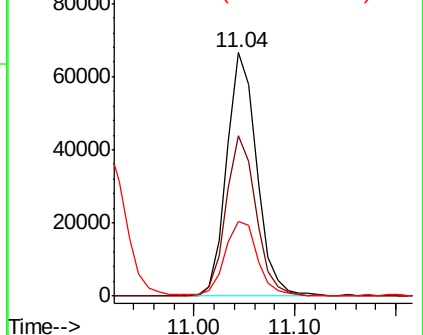


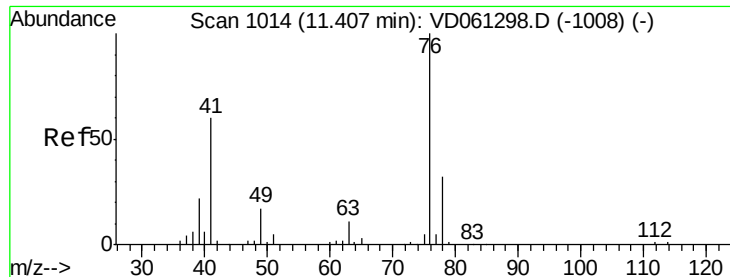
#56
 Ethyl methacrylate
 Concen: 22.556 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Tgt Ion: 69 Resp: 137697
 Ion Ratio Lower Upper
 69 100
 41 65.9 54.9 82.3
 39 30.8 28.5 42.7



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

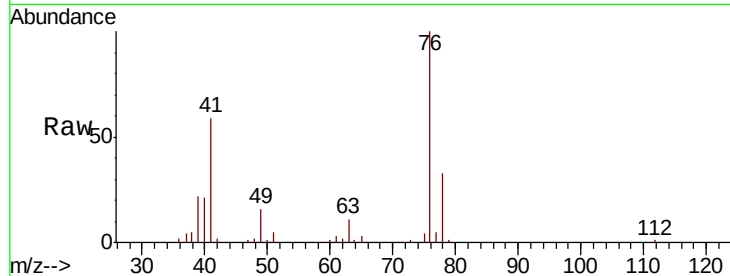




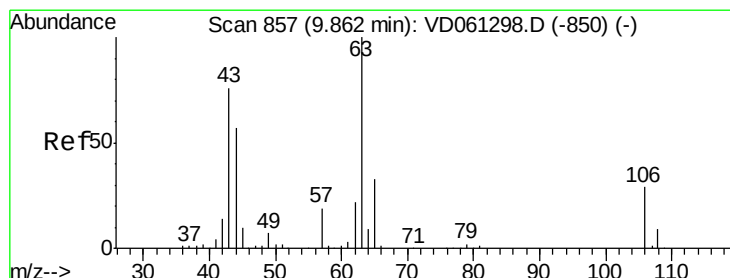
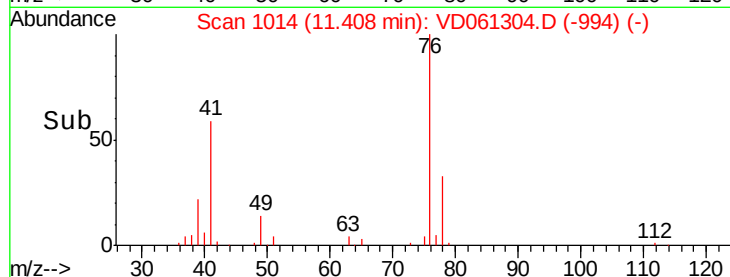
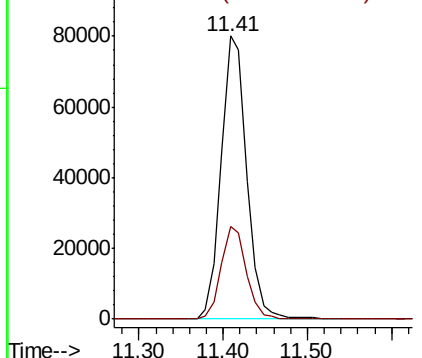
#57
 1,3-Dichloropropane
 Concen: 19.491 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS01

Tot Ion: 76 Resp: 168404
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5

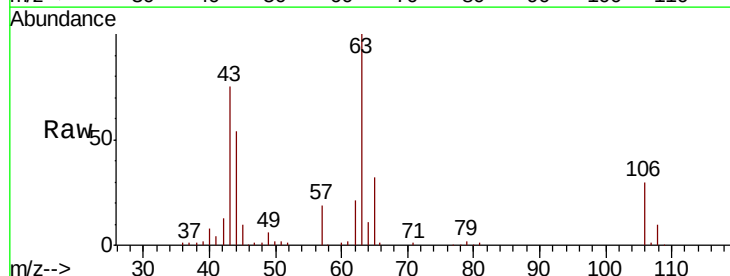


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

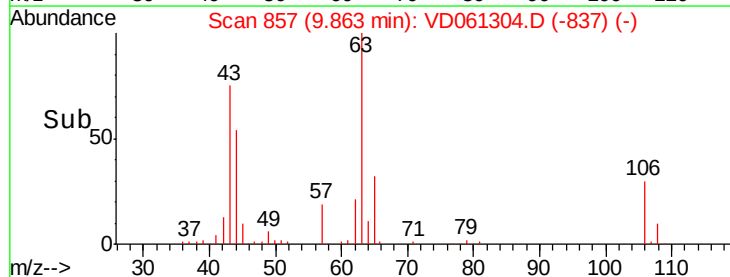
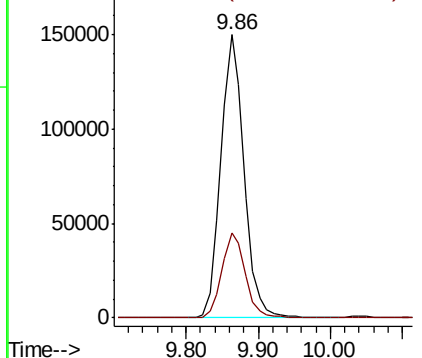


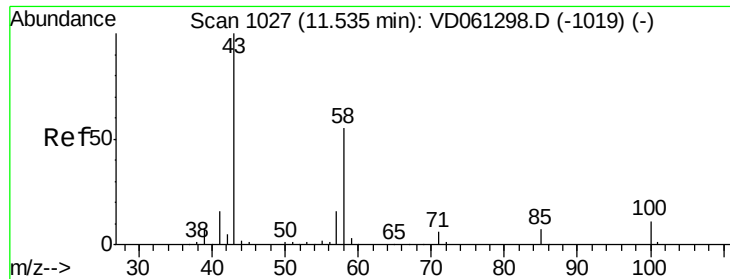
#58
 2-Chloroethyl Vinyl ether
 Concen: 104.789 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Tgt Ion: 63 Resp: 332806
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.4 35.0



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

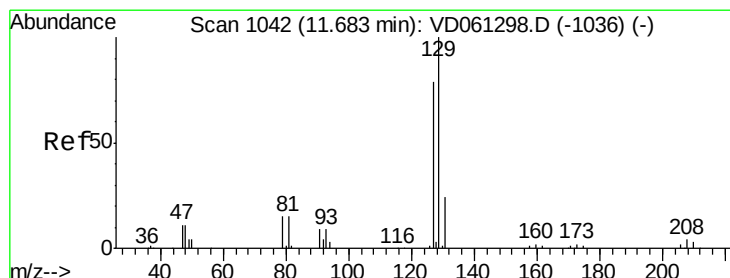
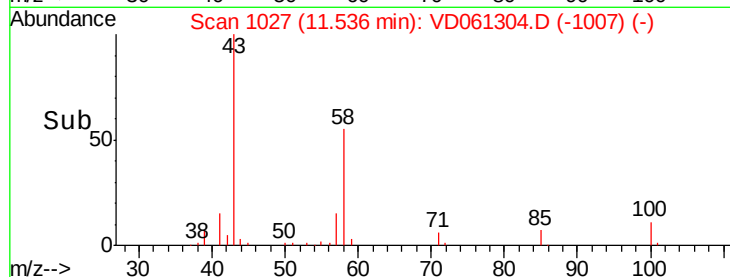
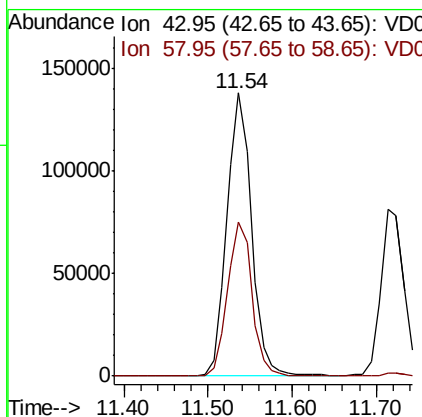
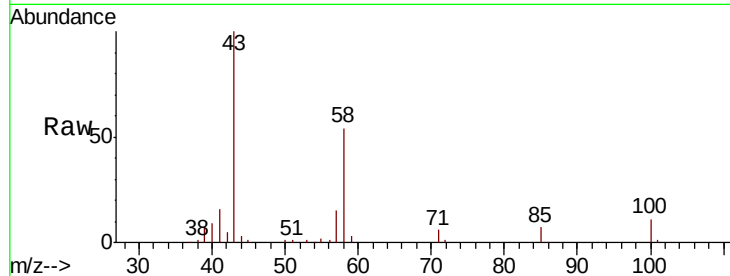




#59
2-Hexanone
Concen: 95.267 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

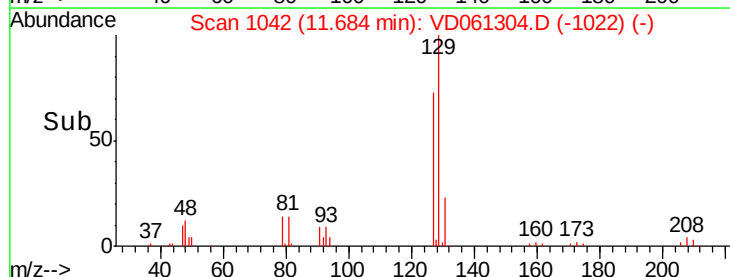
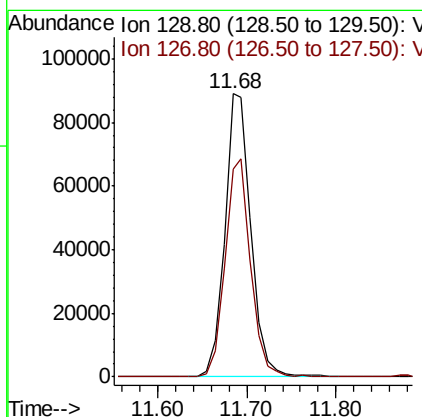
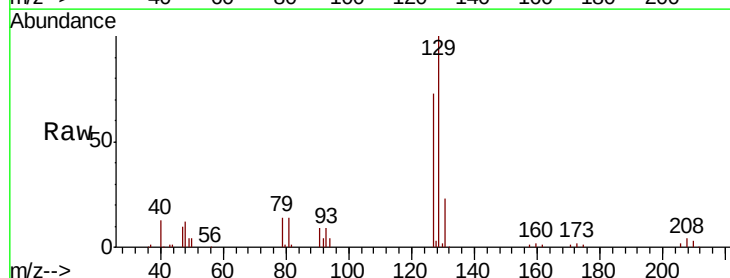
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD01

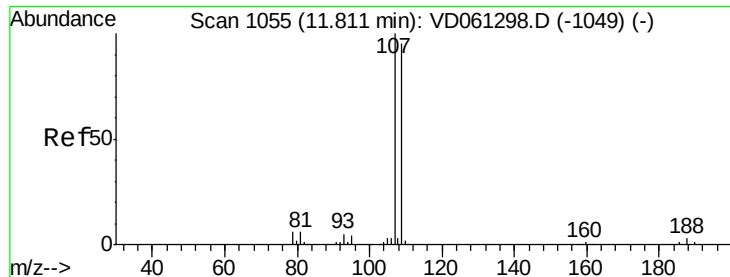
Tot Ion: 43 Resp: 281296
Ion Ratio Lower Upper
43 100
58 54.4 27.4 82.0



#60
Dibromochloromethane
Concen: 20.305 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Tgt Ion: 129 Resp: 181939
Ion Ratio Lower Upper
129 100
127 73.5 39.6 119.0





#61

1,2-Dibromoethane

Concen: 19.856 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

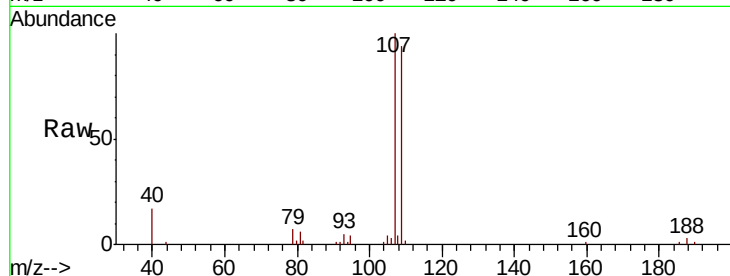
VD0325SBS01

Tot Ion:107 Resp: 132731

Ion Ratio Lower Upper

107 100

109 93.9 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

80000

60000

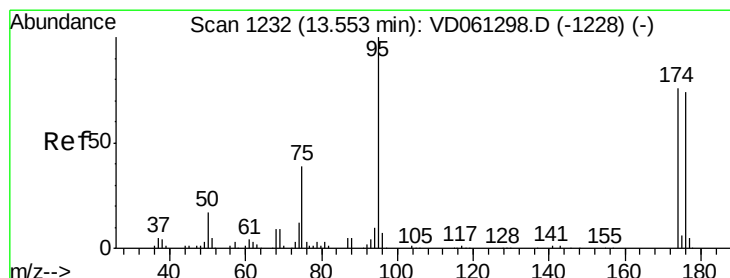
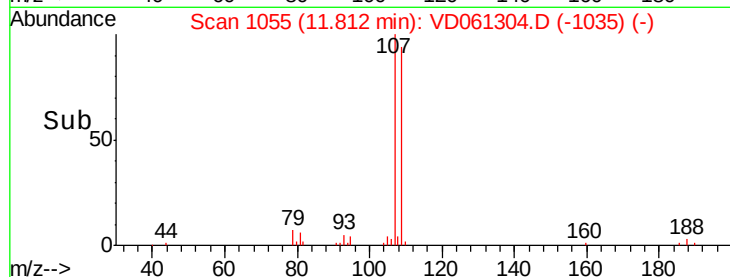
40000

20000

0

Time-->

11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 19.856 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

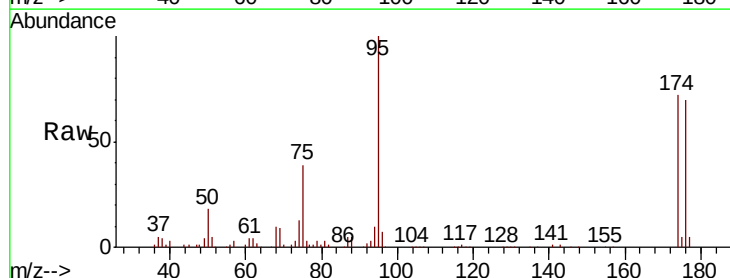
Tgt Ion: 95 Resp: 462820

Ion Ratio Lower Upper

95 100

174 72.3 0.0 151.8

176 70.4 0.0 148.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

400000

300000

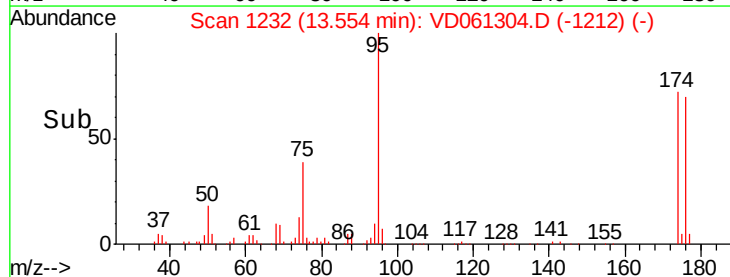
200000

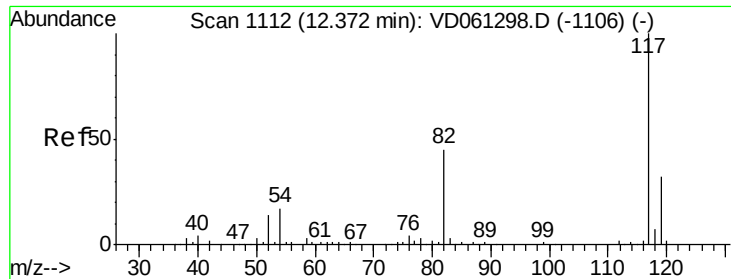
100000

0

Time-->

13.50 13.60 13.70

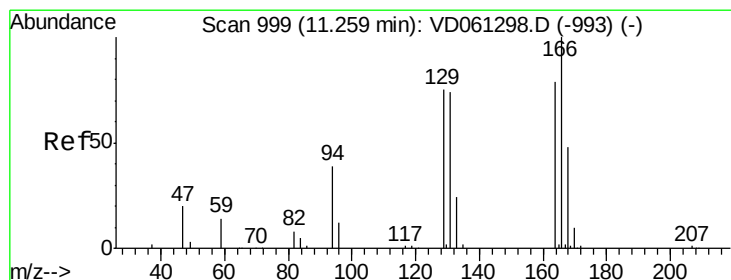
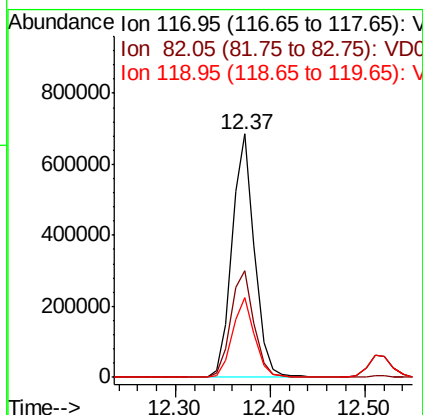
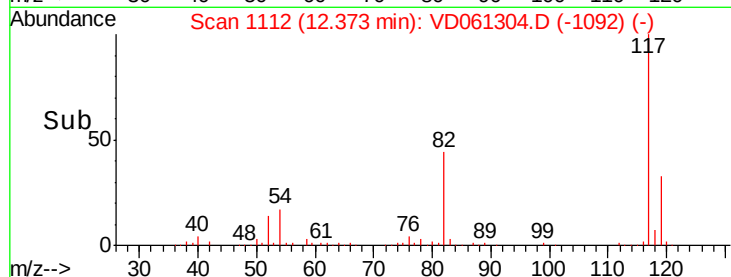
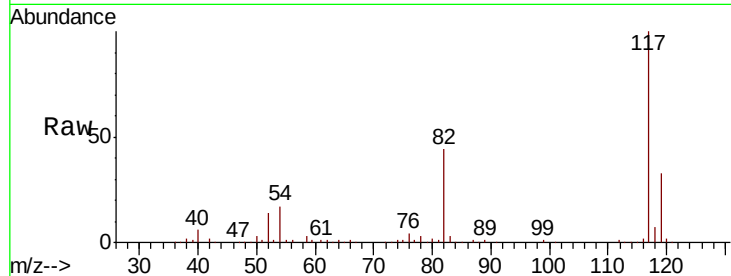




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

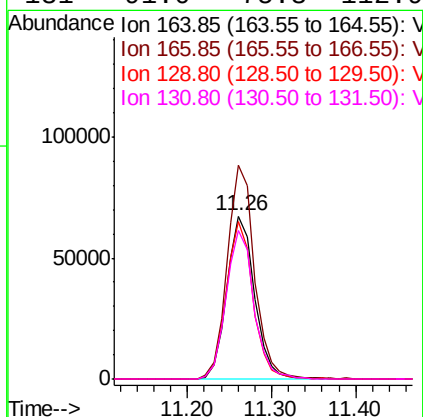
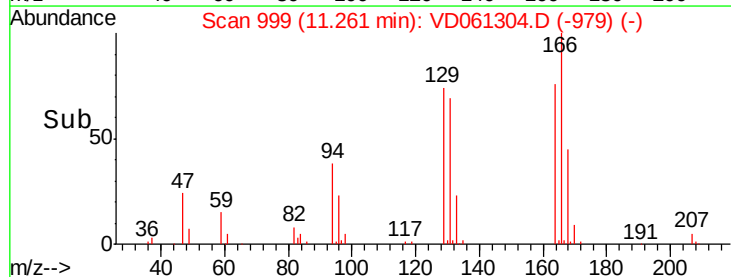
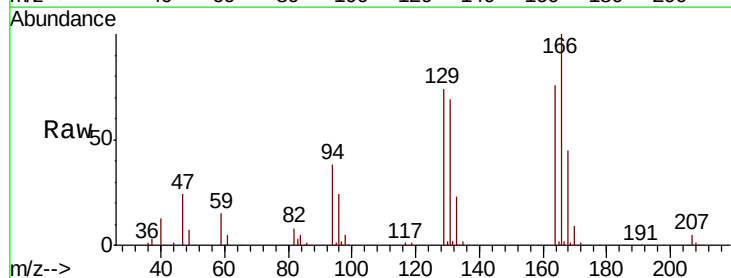
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD01

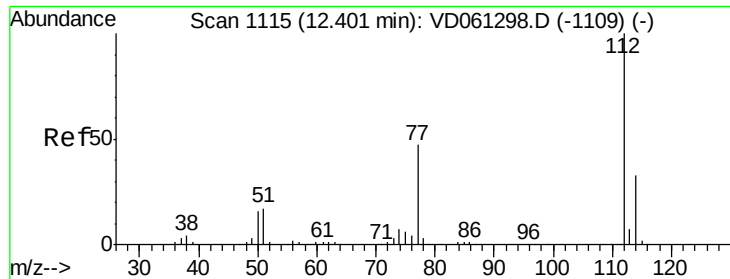
Tot Ion:117 Resp: 1119608
Ion Ratio Lower Upper
117 100
82 44.0 35.7 53.5
119 32.6 25.9 38.9



#64
Tetrachloroethene
Concen: 19.928 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Tgt Ion:164 Resp: 153697
Ion Ratio Lower Upper
164 100
166 131.3 101.6 152.4
129 96.6 75.9 113.9
131 91.0 75.3 112.9

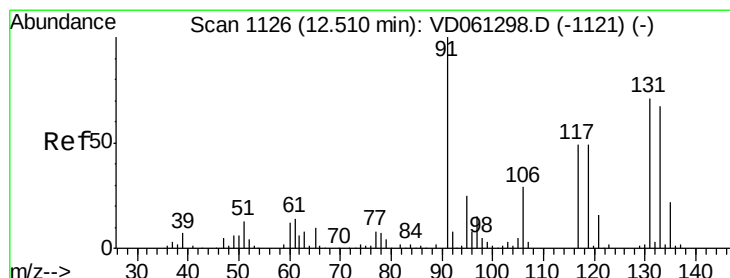
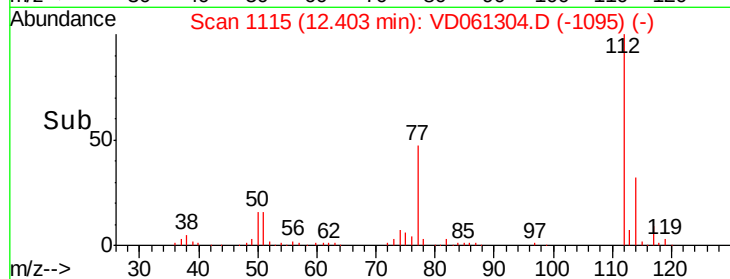
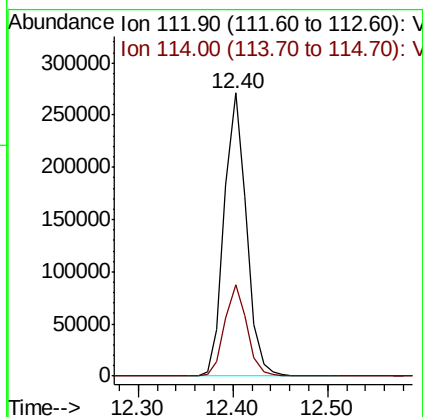
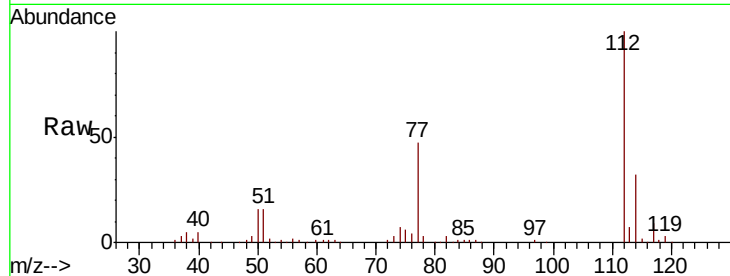




#65
Chlorobenzene
Concen: 21.329 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

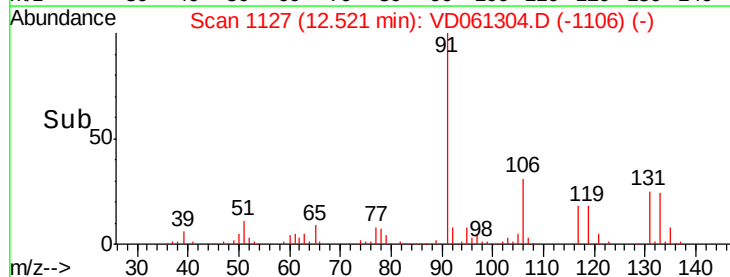
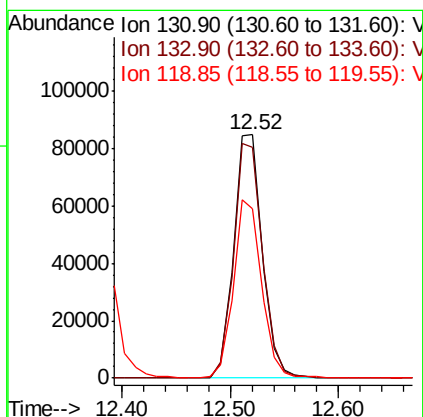
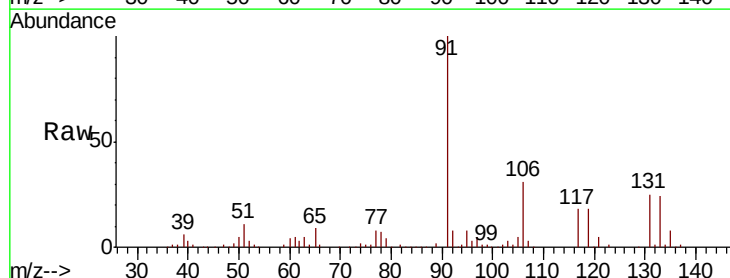
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD01

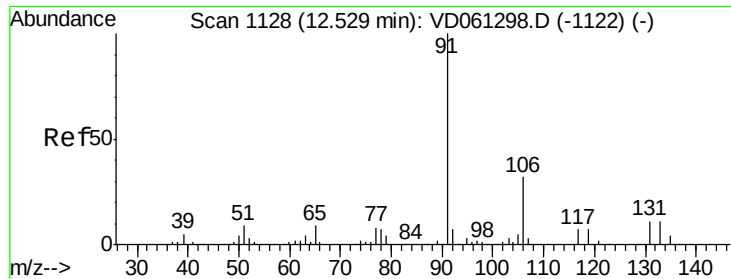
Tot Ion:112 Resp: 439843
Ion Ratio Lower Upper
112 100
114 32.3 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.489 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Tgt Ion:131 Resp: 155822
Ion Ratio Lower Upper
131 100
133 95.1 47.0 141.2
119 69.6 34.8 104.5

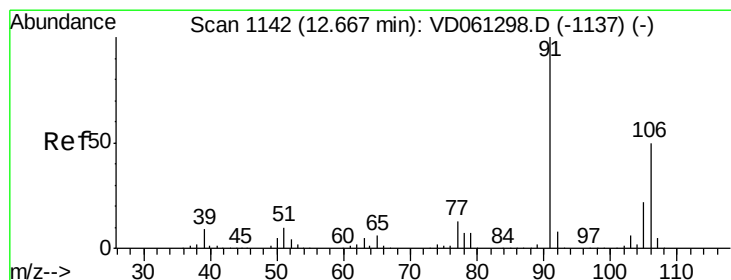
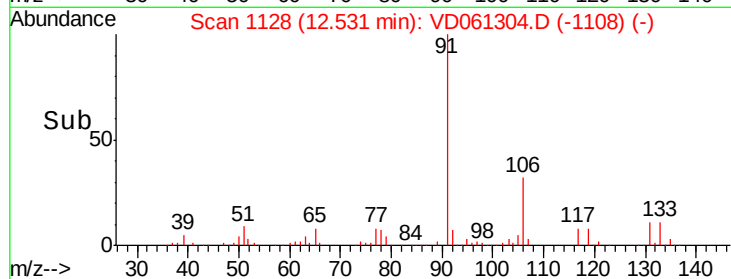
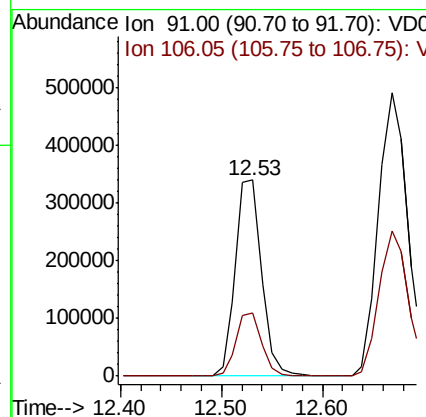
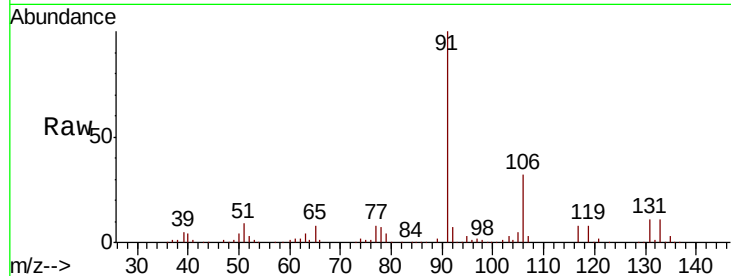




#67
Ethyl Benzene
Concen: 19.433 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

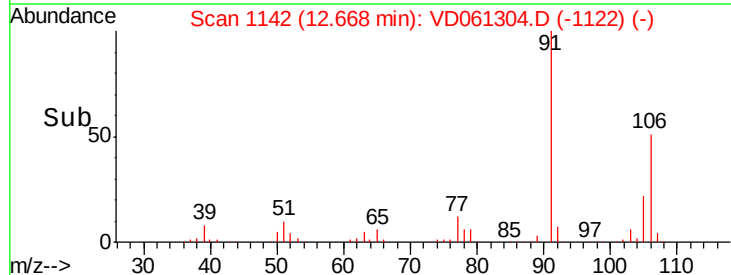
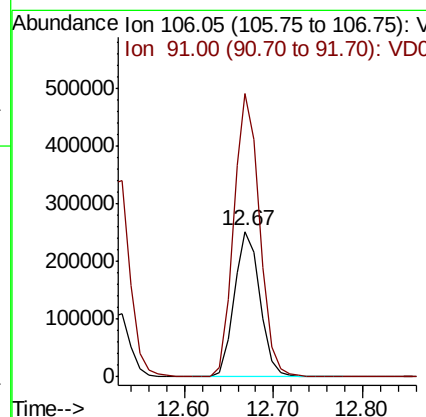
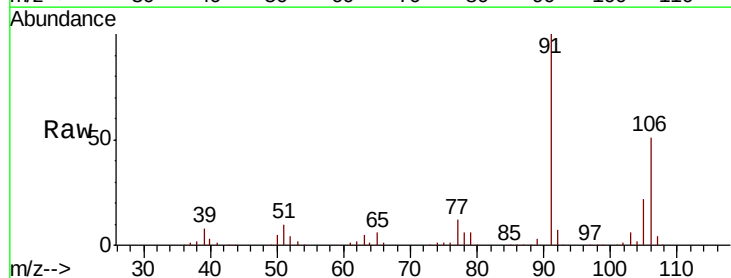
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

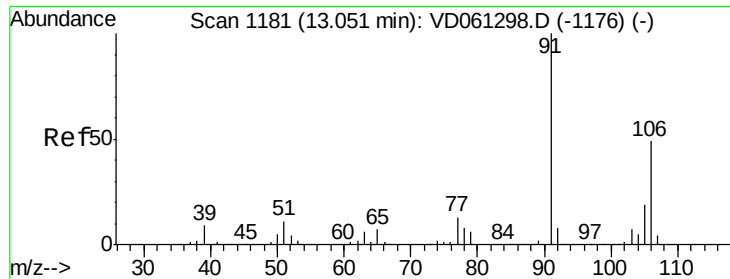
Tot Ion: 91 Resp: 613319
Ion Ratio Lower Upper
91 100
106 32.1 25.8 38.8



#68
m/p-Xylenes
Concen: 41.490 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Tgt Ion: 106 Resp: 511141
Ion Ratio Lower Upper
106 100
91 195.0 159.2 238.8

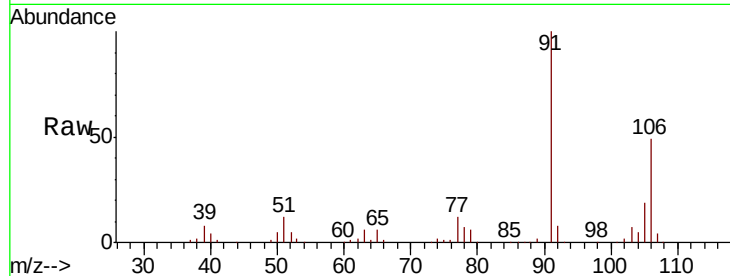




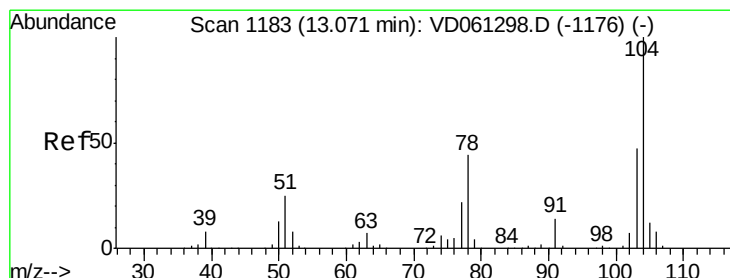
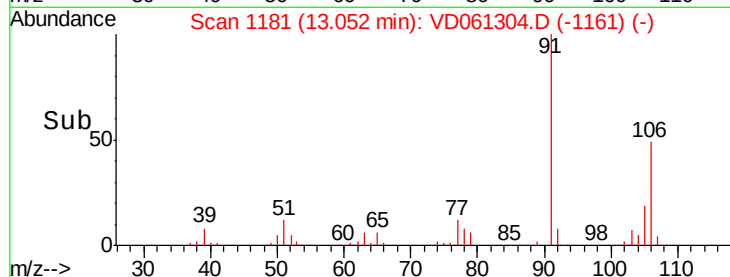
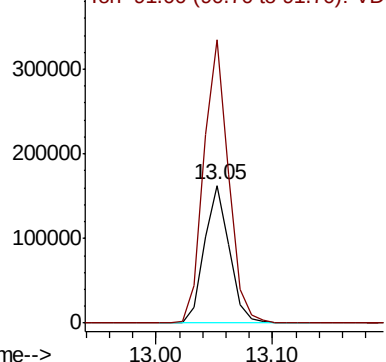
#69
o-Xylene
Concen: 21.003 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBS01

Tot Ion:106 Resp: 239979
Ion Ratio Lower Upper
106 100
91 205.0 102.5 307.5

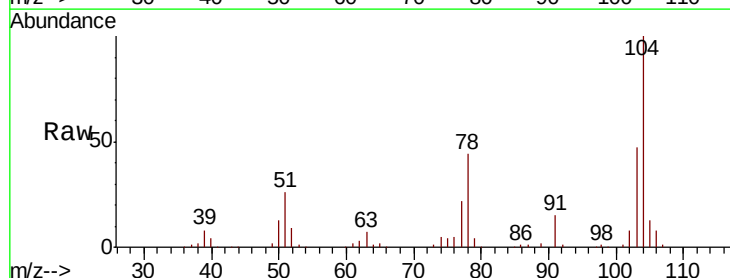


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

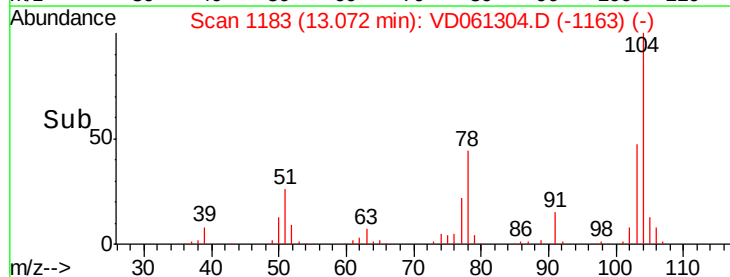
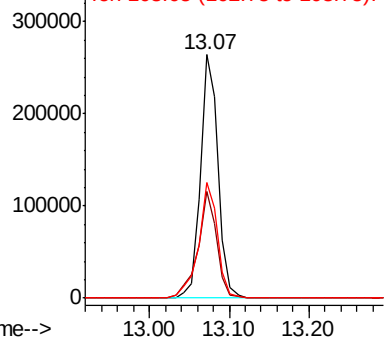


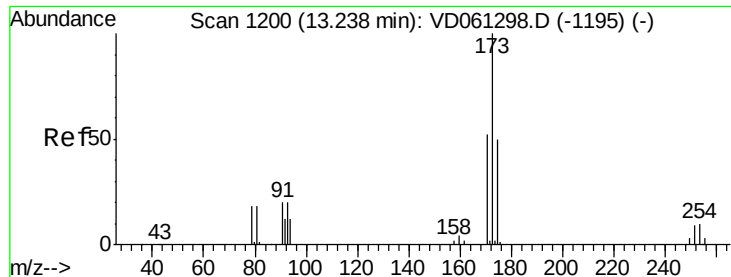
#70
Styrene
Concen: 21.155 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Tgt Ion:104 Resp: 410221
Ion Ratio Lower Upper
104 100
78 43.7 35.1 52.7
103 47.3 37.5 56.3



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

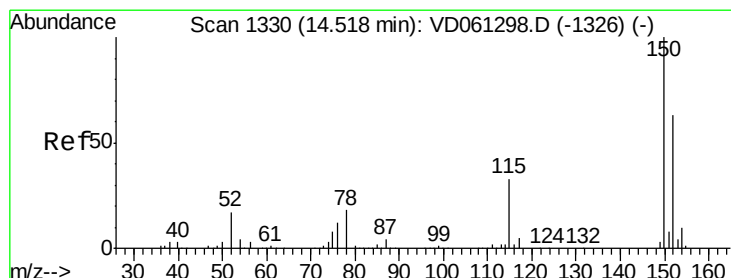
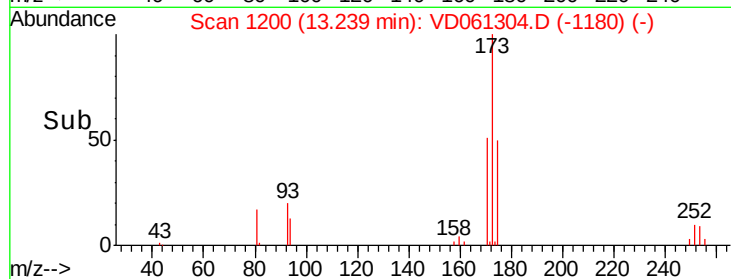
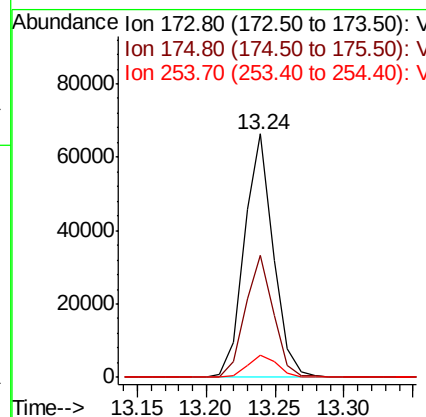
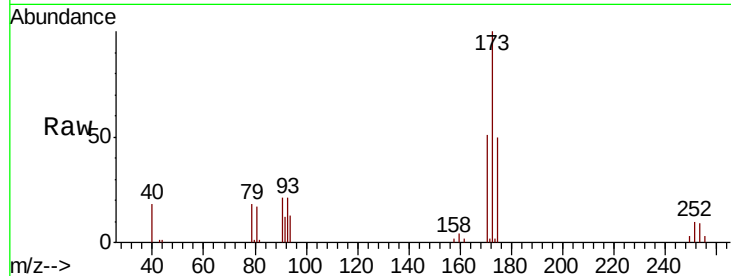




#71
Bromoform
Concen: 19.826 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

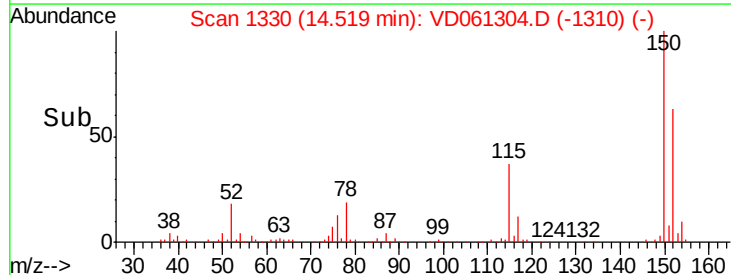
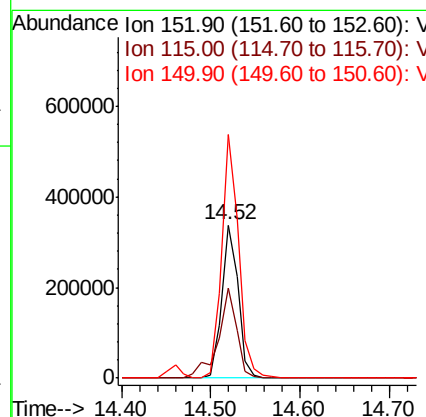
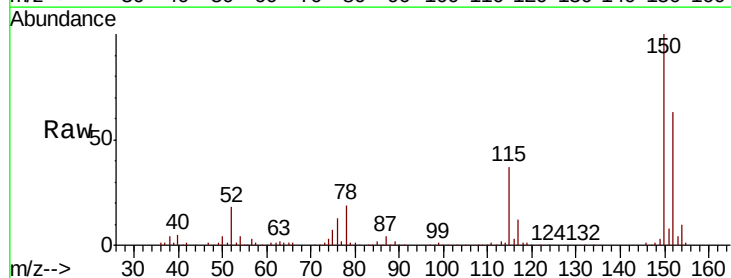
Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD01

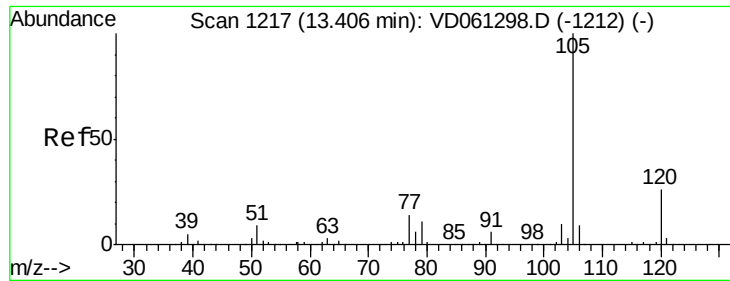
Tot Ion:173 Resp: 97001
Ion Ratio Lower Upper
173 100
175 50.3 24.9 74.7
254 9.2 7.8 11.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Tgt Ion:152 Resp: 434140
Ion Ratio Lower Upper
152 100
115 58.4 29.2 87.6
150 158.9 0.0 319.6





#73

Isopropylbenzene

Concen: 21.475 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

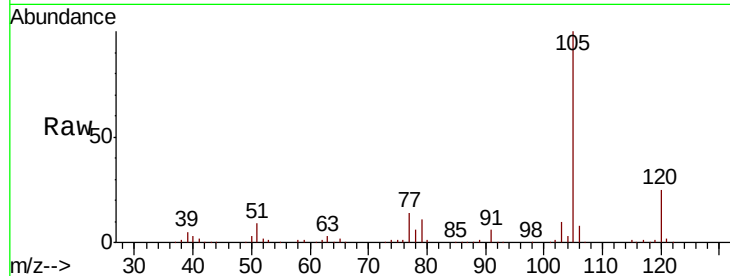
VD0325SBS01

Tot Ion:105 Resp: 606410

Ion Ratio Lower Upper

105 100

120 25.1 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

400000

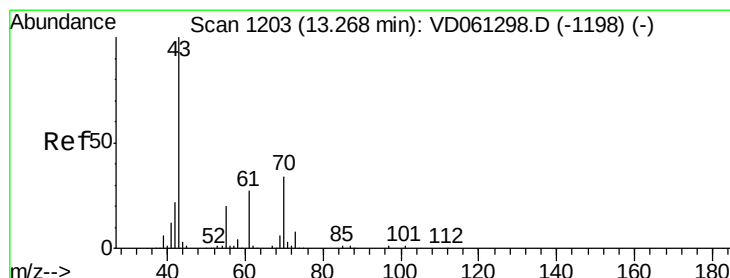
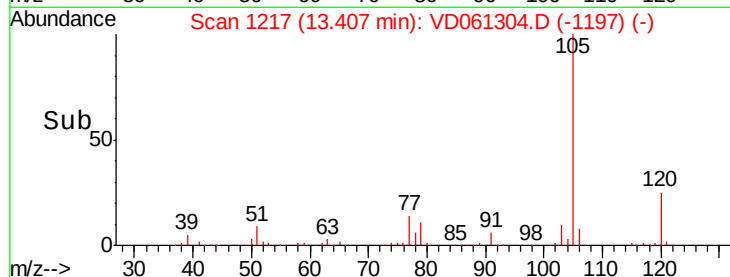
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 23.096 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Tgt Ion: 43 Resp: 170625

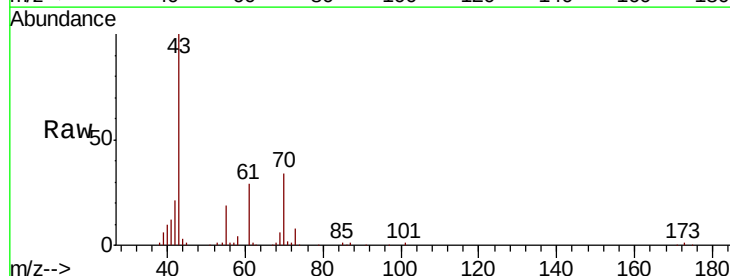
Ion Ratio Lower Upper

43 100

70 33.5 27.5 41.3

55 19.0 15.7 23.5

61 28.7 21.8 32.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.27

200000

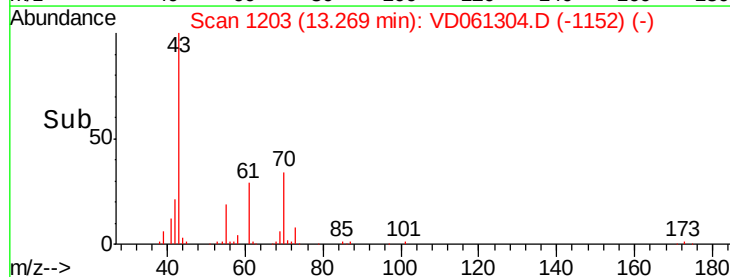
150000

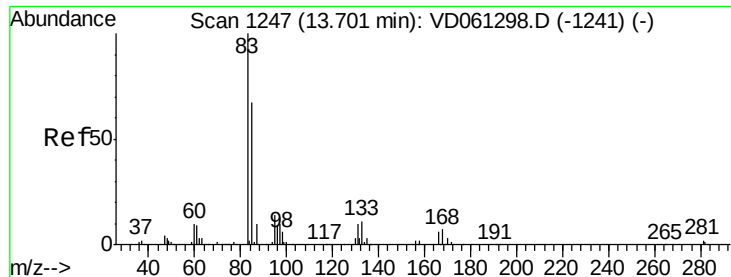
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 23.571 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

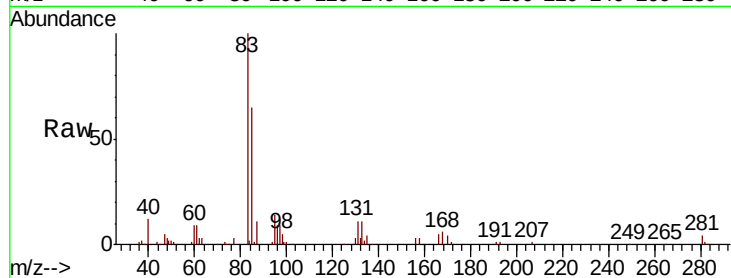
Tot Ion: 83 Resp: 129071

Ion Ratio Lower Upper

83 100

131 10.7 5.0 15.0

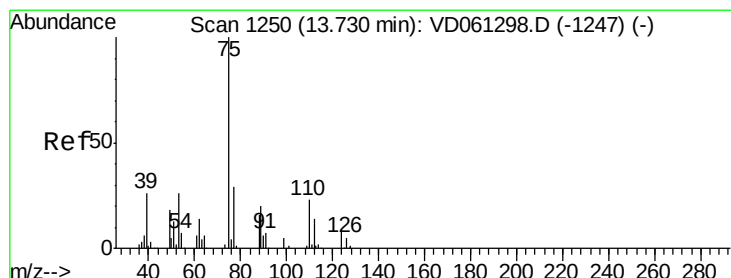
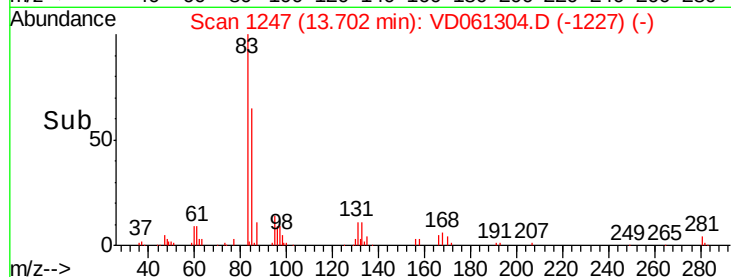
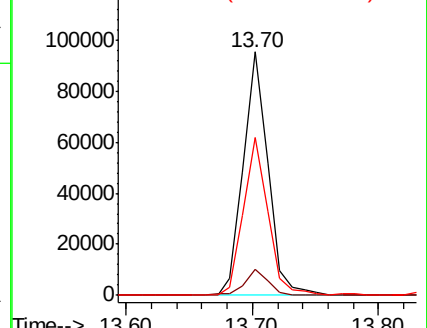
85 65.0 33.4 100.2



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: 23.948 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061304.D

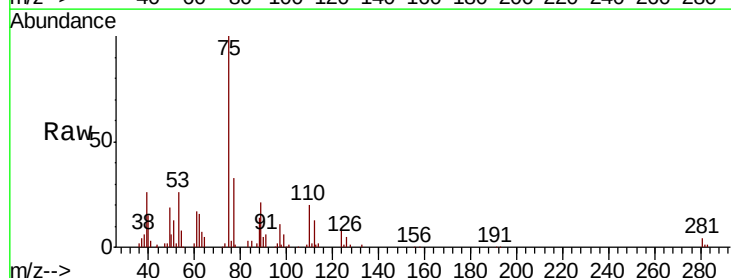
Acq: 25 Mar 2019 16:16

Tgt Ion: 75 Resp: 129294

Ion Ratio Lower Upper

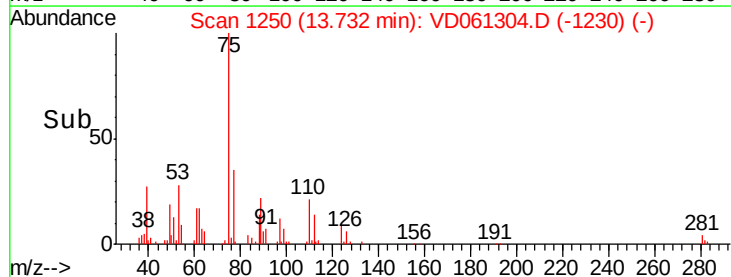
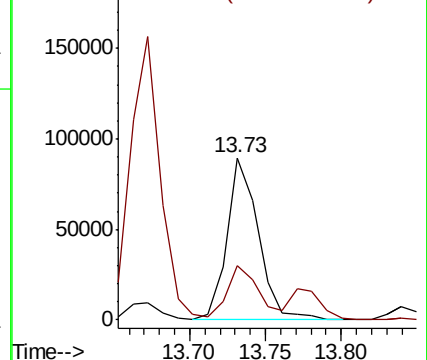
75 100

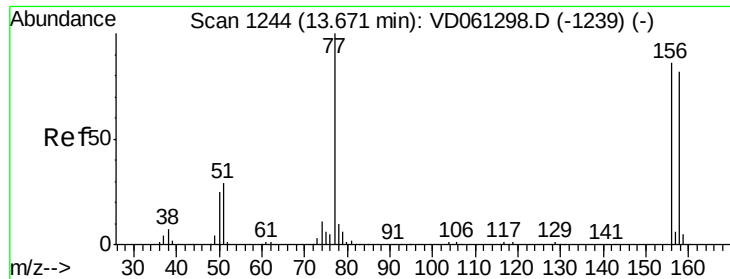
77 33.0 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.337 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD01

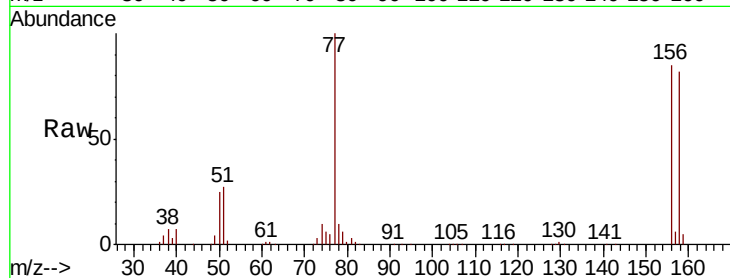
Tot Ion:156 Resp: 176186

Ion Ratio Lower Upper

156 100

77 117.7 58.4 175.1

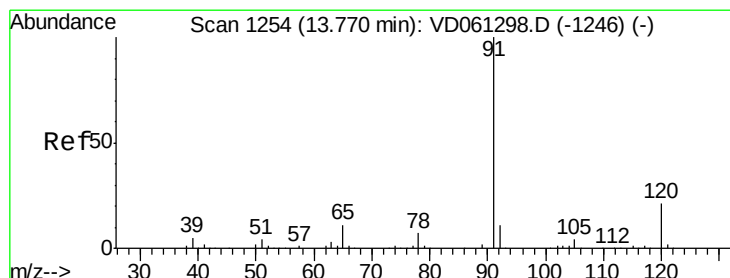
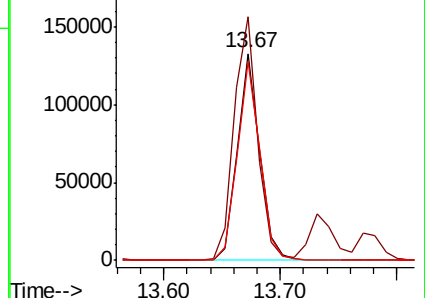
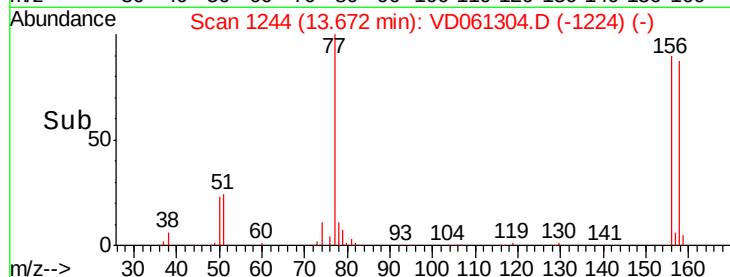
158 96.3 48.1 144.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.514 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061304.D

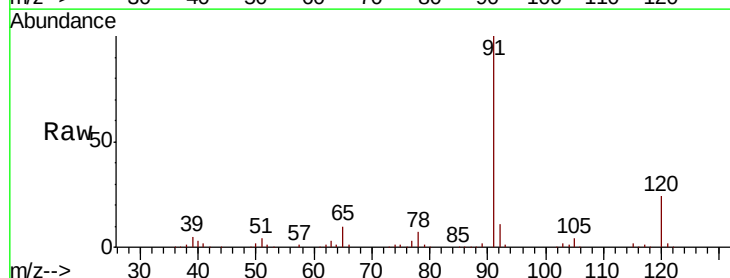
Acq: 25 Mar 2019 16:16

Tgt Ion: 91 Resp: 717243

Ion Ratio Lower Upper

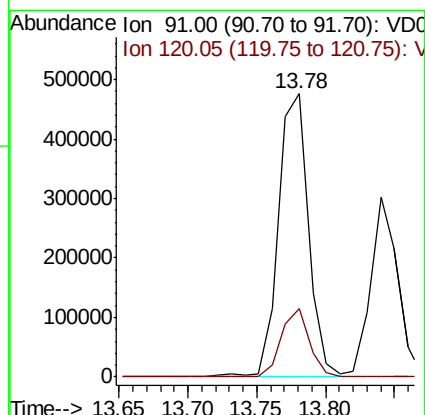
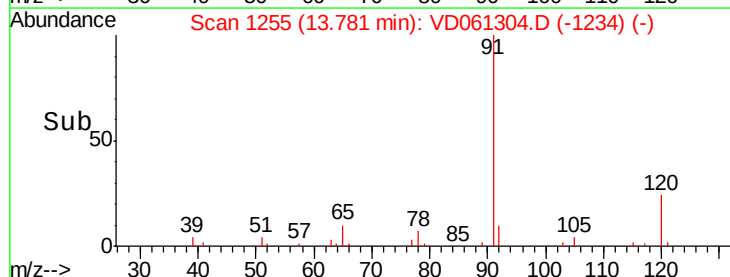
91 100

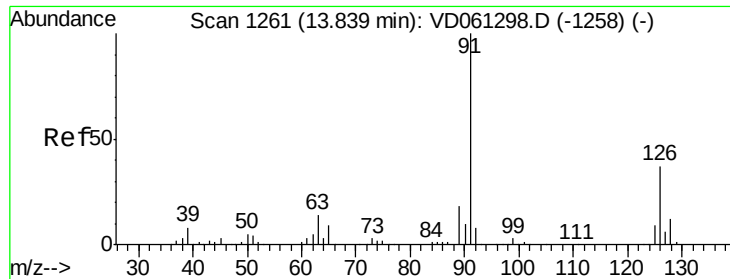
120 24.1 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

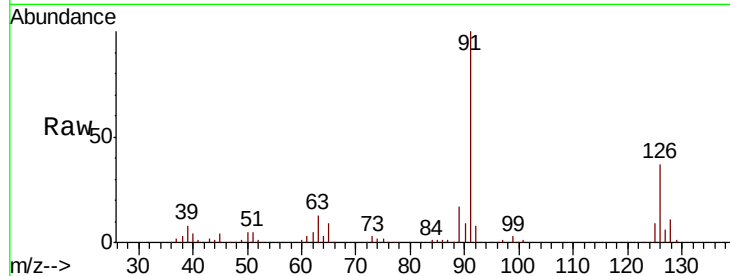




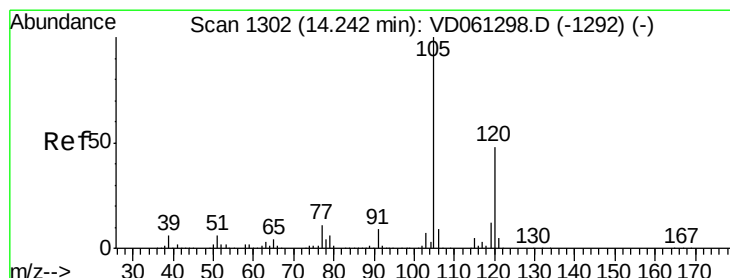
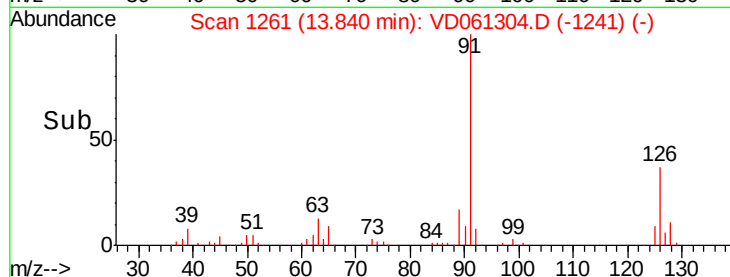
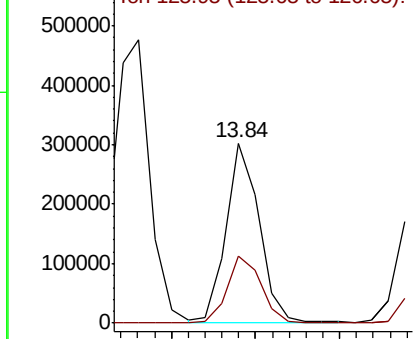
#79
 2-Chlorotoluene
 Concen: 22.207 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD01

Tot Ion: 91 Resp: 411918
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.4 55.4

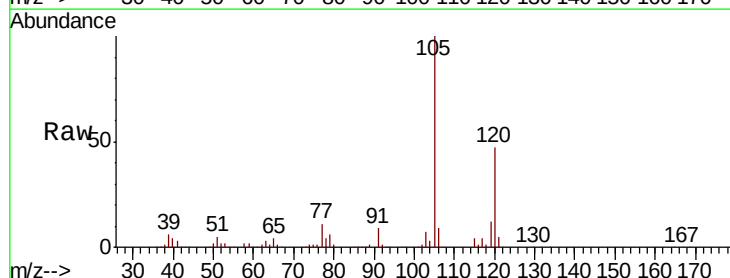


Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061298.D (-1258) (-)

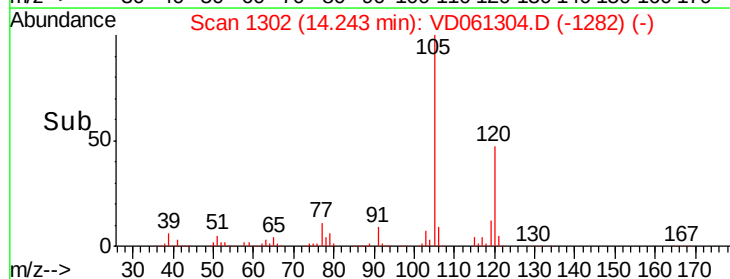
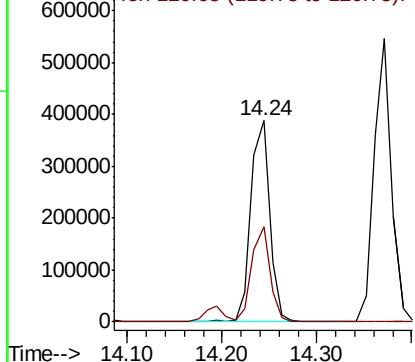


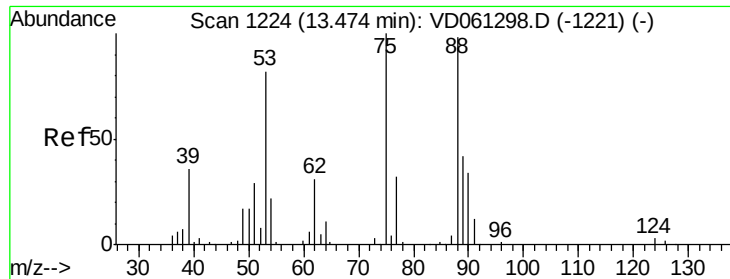
#80
 1,3,5-Trimethylbenzene
 Concen: 24.156 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Tgt Ion: 105 Resp: 538101
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)
 Ion 120.05 (119.75 to 120.75): VD061298.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.504 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD01

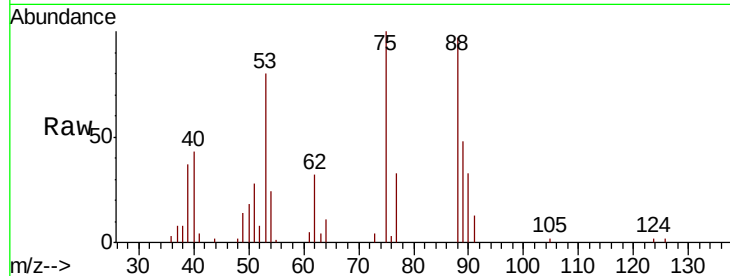
Tot Ion: 75 Resp: 36641

Ion Ratio Lower Upper

75 100

53 79.5 65.3 97.9

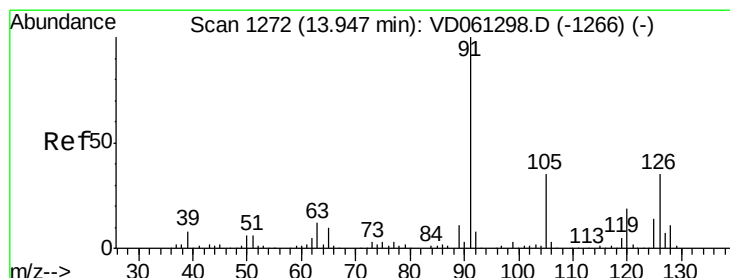
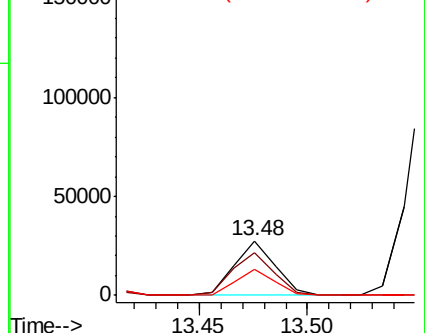
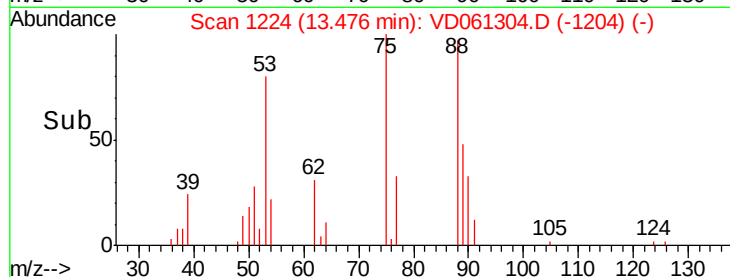
89 47.5 33.8 50.6



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: 24.072 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061304.D

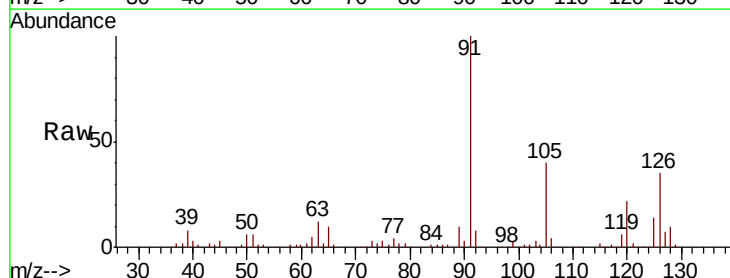
Acq: 25 Mar 2019 16:16

Tgt Ion: 91 Resp: 488142

Ion Ratio Lower Upper

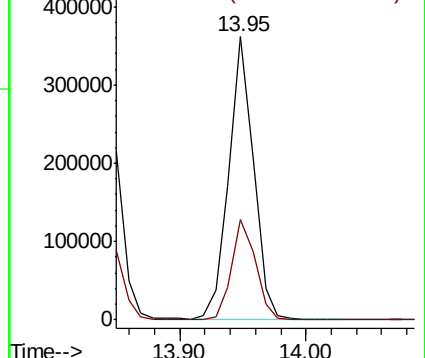
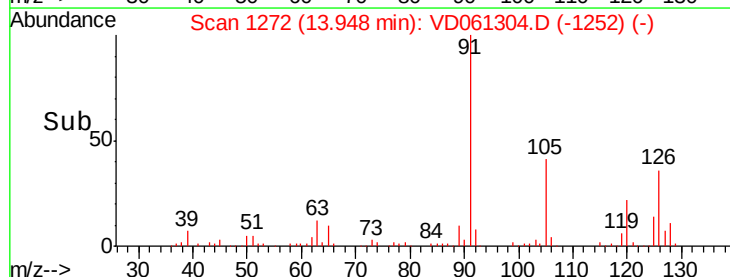
91 100

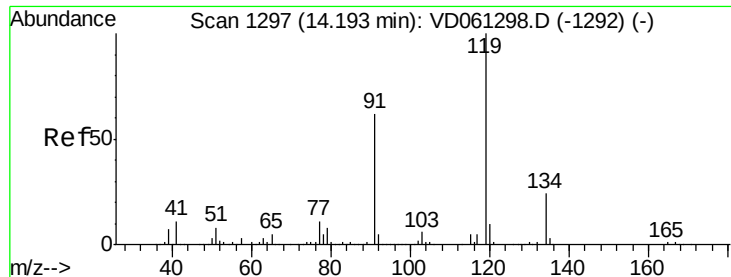
126 35.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 24.319 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBSD01

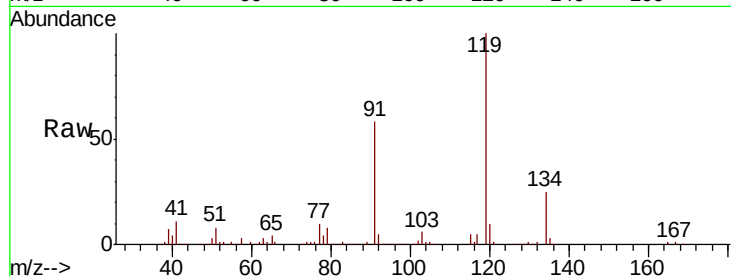
Tot Ion:119 Resp: 618539

Ion Ratio Lower Upper

119 100

91 58.3 31.1 93.5

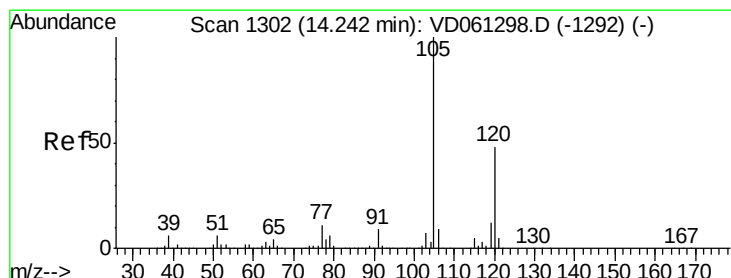
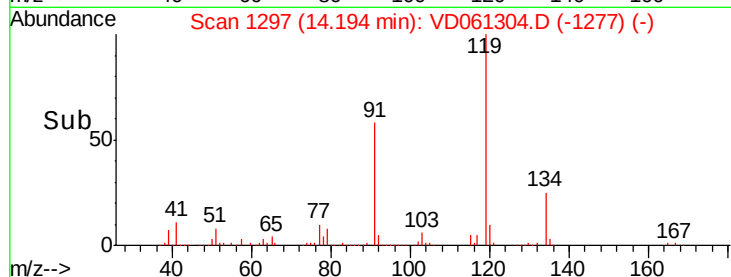
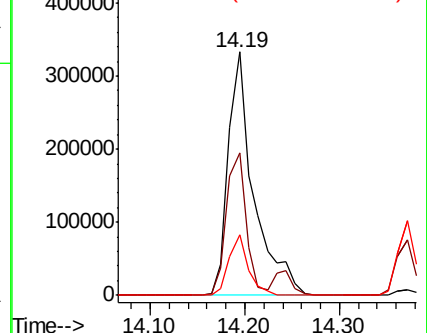
134 25.0 11.9 35.7



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: 24.156 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD061304.D

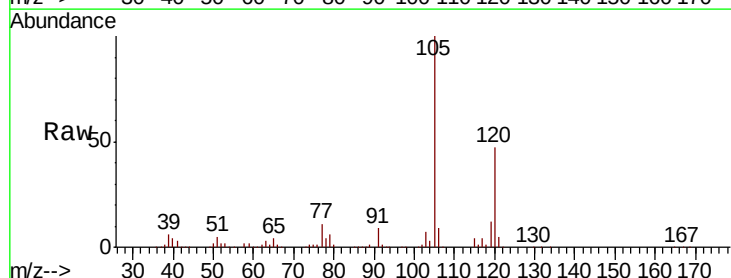
Acq: 25 Mar 2019 16:16

Tgt Ion:105 Resp: 538101

Ion Ratio Lower Upper

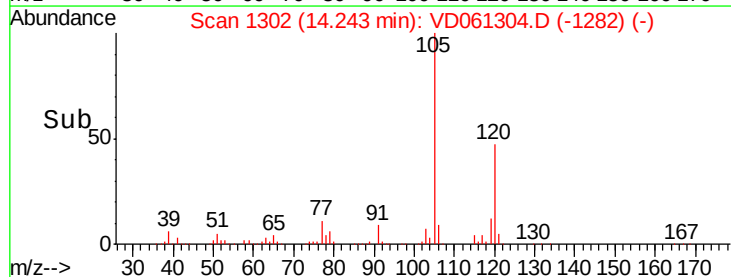
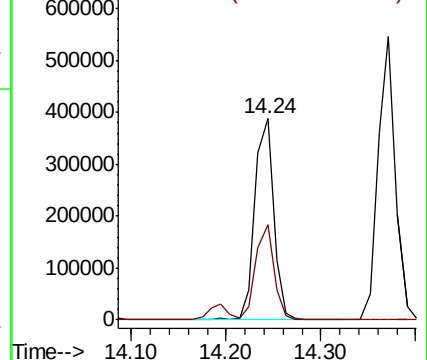
105 100

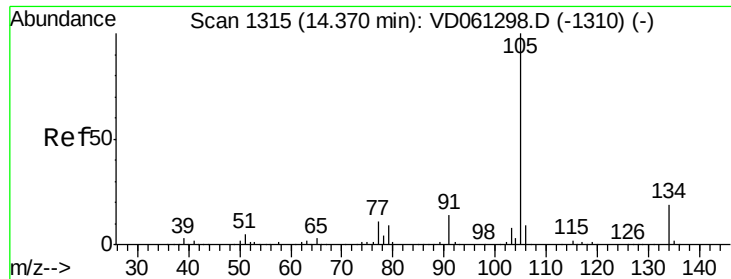
120 47.2 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 24.902 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

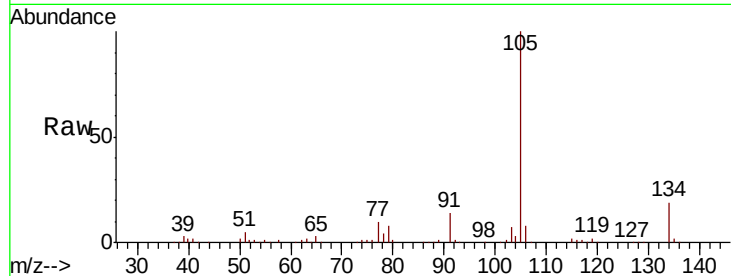
VD0325SBS01

Tot Ion:105 Resp: 705356

Ion Ratio Lower Upper

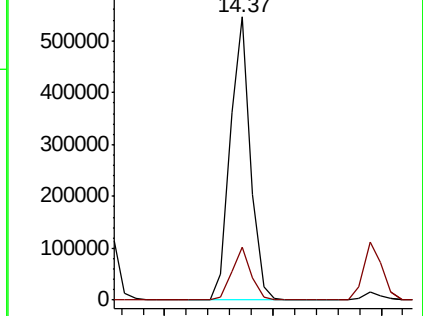
105 100

134 18.6 9.5 28.5

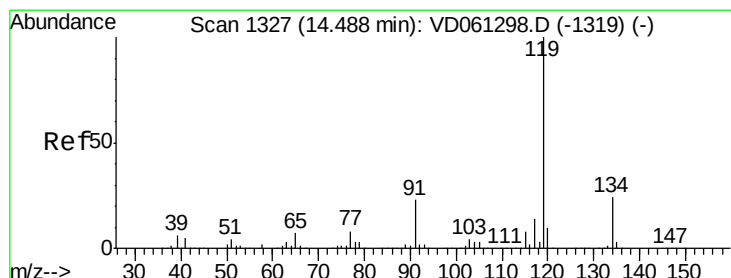
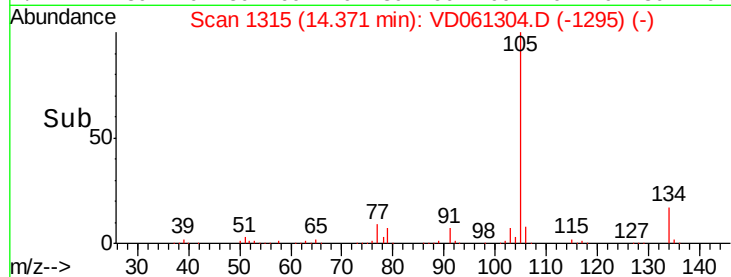


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



Time-->



#86

p-Isopropyltoluene

Concen: 22.096 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

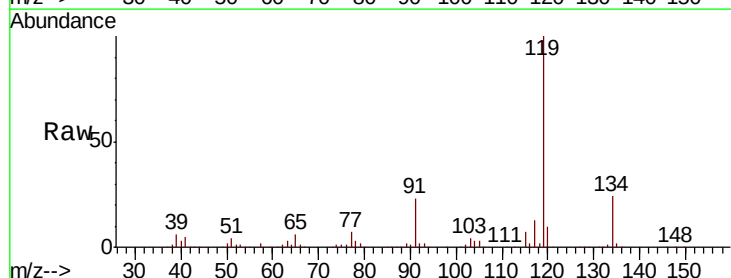
Tgt Ion:119 Resp: 558374

Ion Ratio Lower Upper

119 100

134 24.2 12.1 36.3

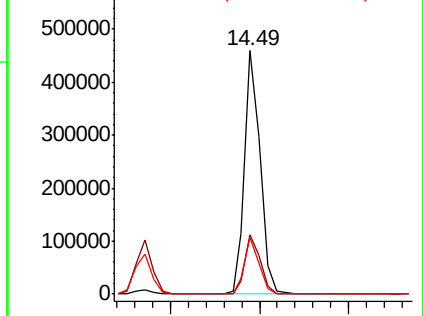
91 23.1 11.4 34.2



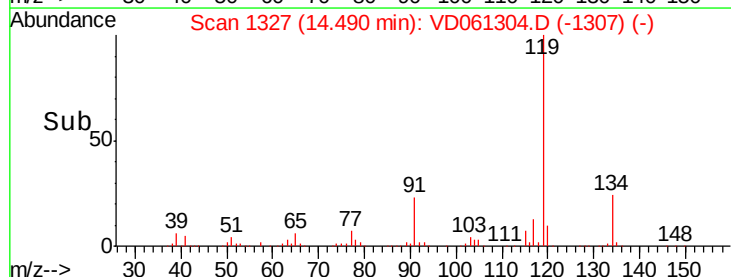
Abundance Ion 119.05 (118.75 to 119.75): V

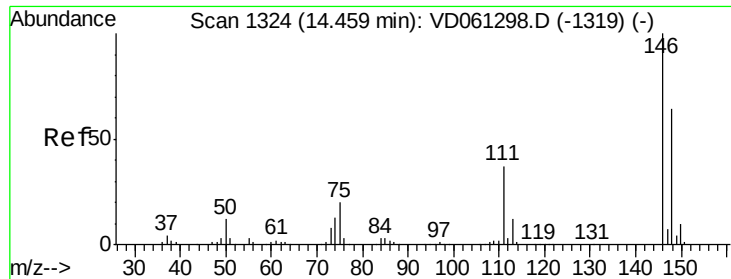
Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V



Time-->

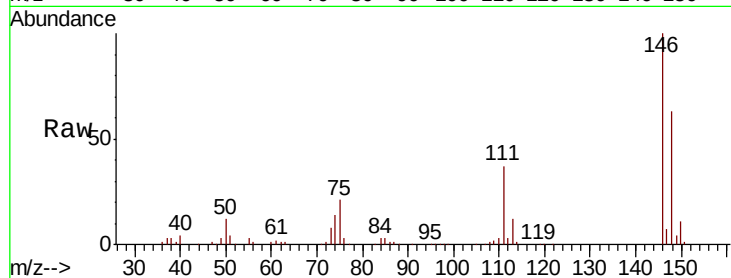




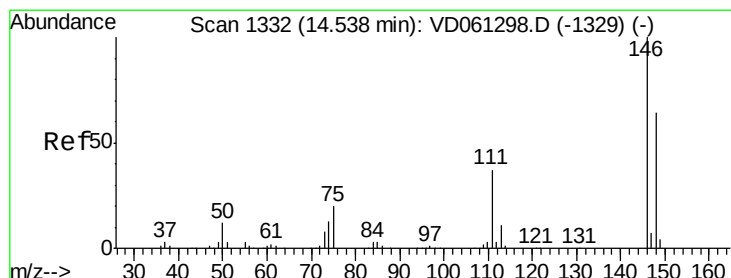
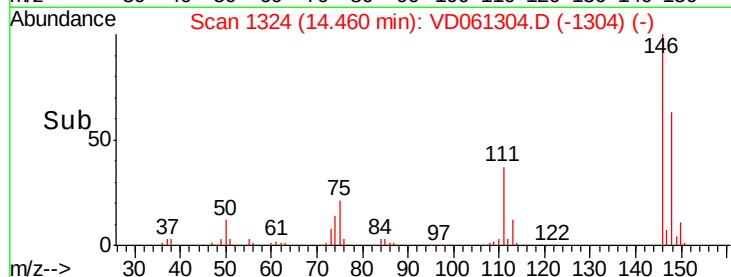
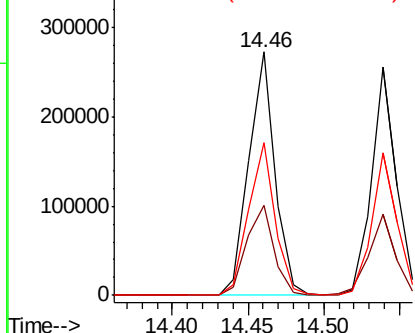
#87
 1,3-Dichlorobenzene
 Concen: 23.533 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD01

Tot Ion:146 Resp: 329010
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.0
 148 62.7 32.0 96.2

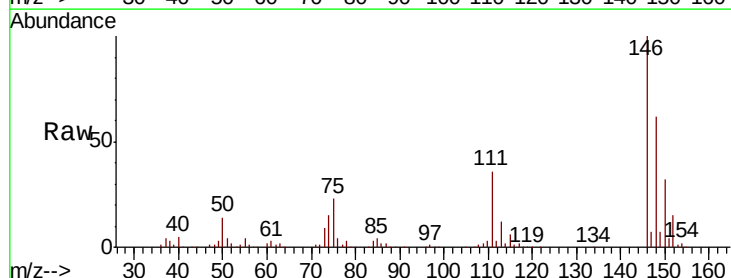


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

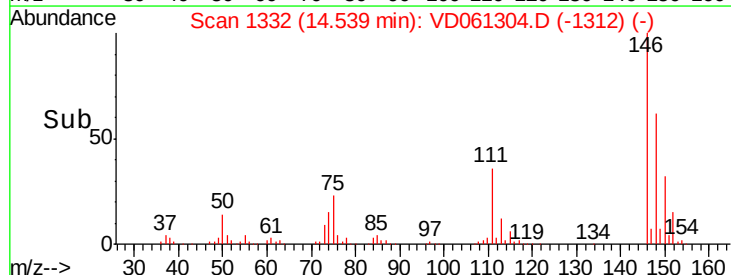
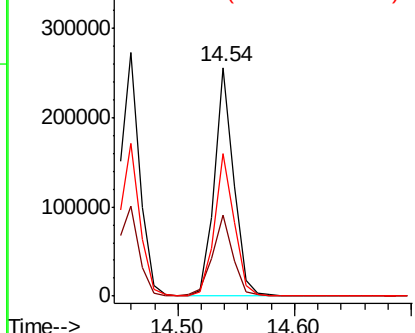


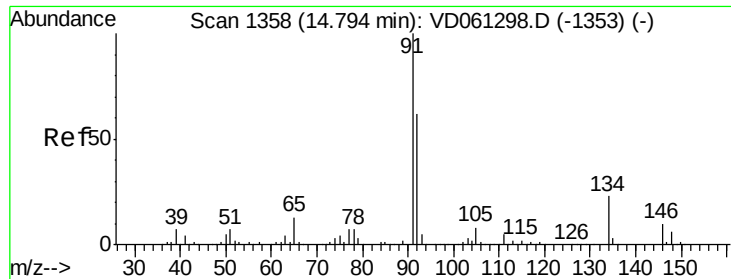
#88
 1,4-Dichlorobenzene
 Concen: 21.707 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Tgt Ion:146 Resp: 293975
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.6 55.6
 148 62.3 31.9 95.5



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





#89

n-Butylbenzene

Concen: 23.821 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061304.D

Acq: 25 Mar 2019 16:16

Instrument :

MSVOA_D

ClientSampleId :

VD0325SBS01

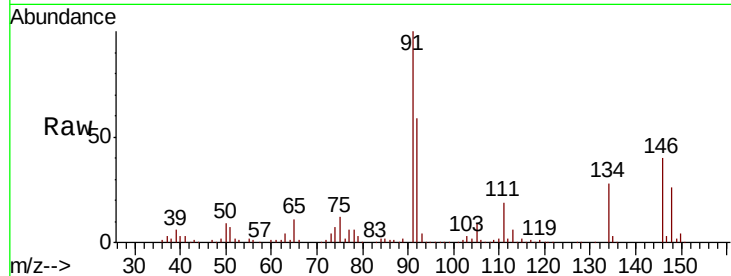
Tot Ion: 91 Resp: 534439

Ion Ratio Lower Upper

91 100

92 58.9 30.9 92.7

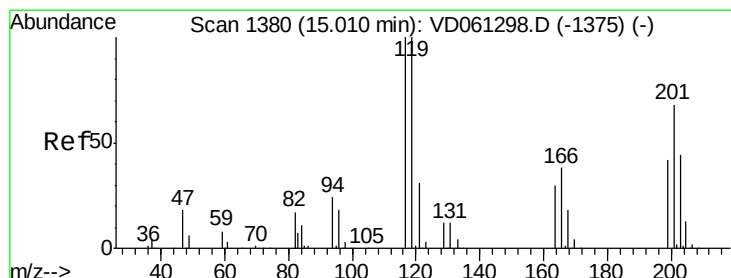
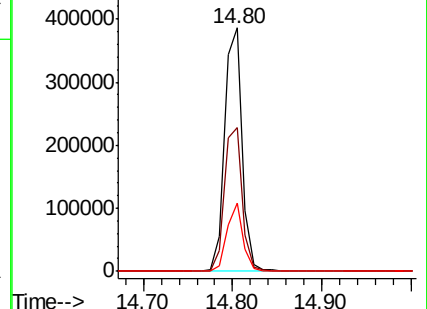
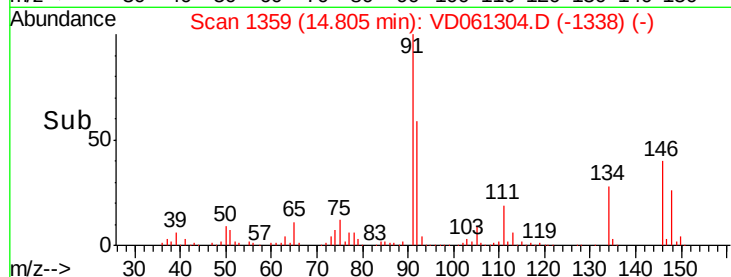
134 28.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 23.553 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061304.D

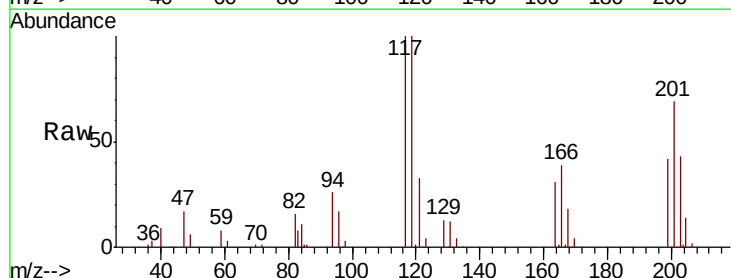
Acq: 25 Mar 2019 16:16

Tgt Ion: 117 Resp: 159579

Ion Ratio Lower Upper

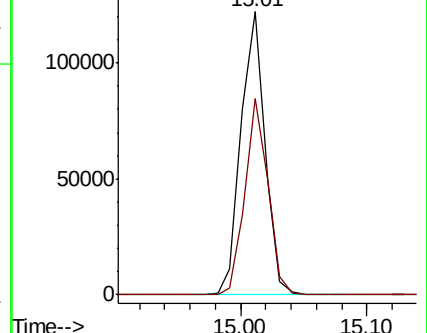
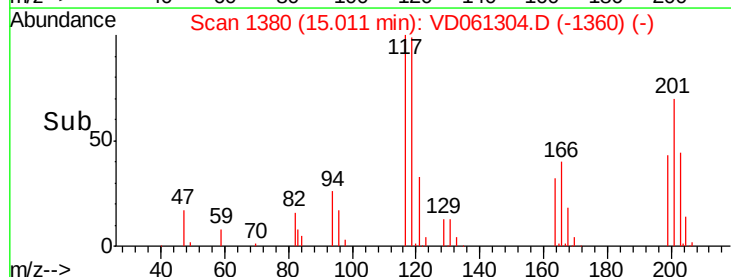
117 100

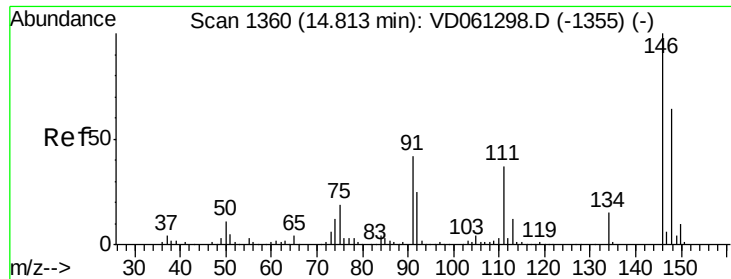
201 69.3 34.0 101.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

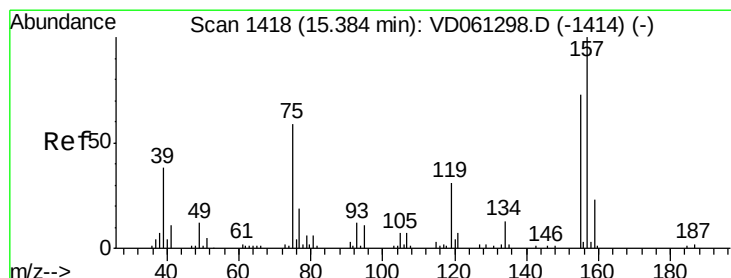
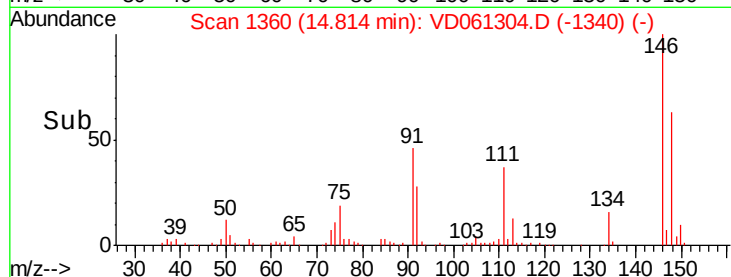
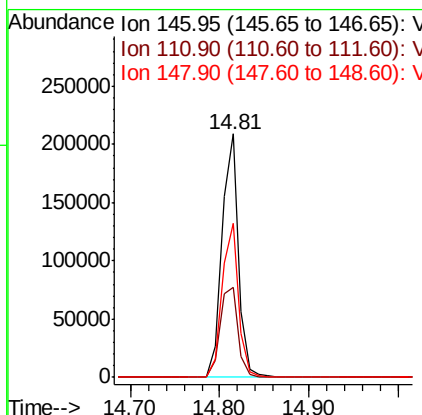
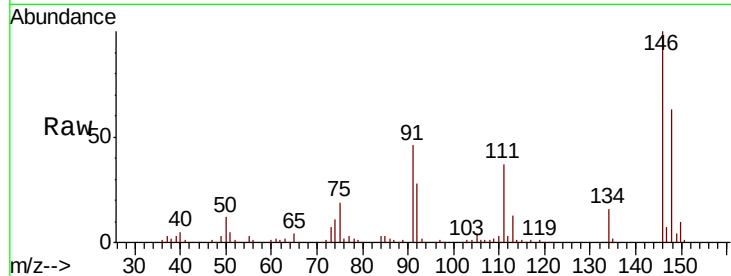




#91
 1,2-Dichlorobenzene
 Concen: 24.437 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

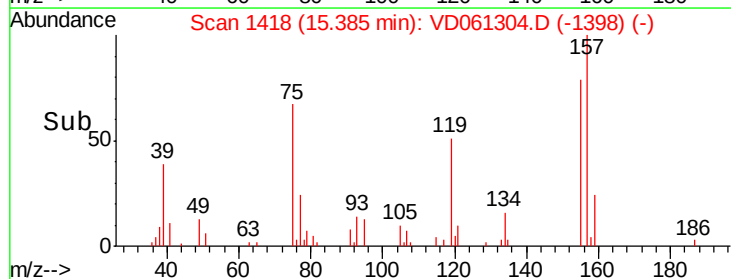
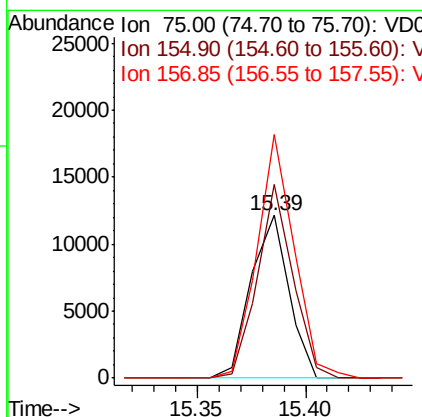
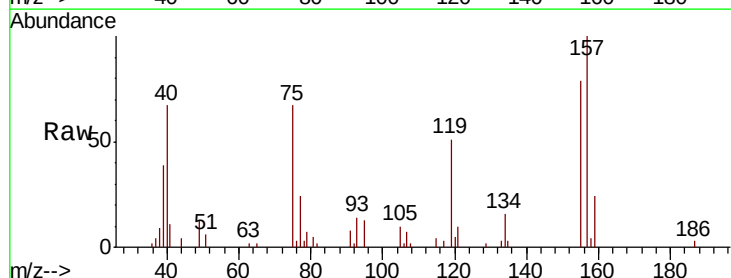
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBSD01

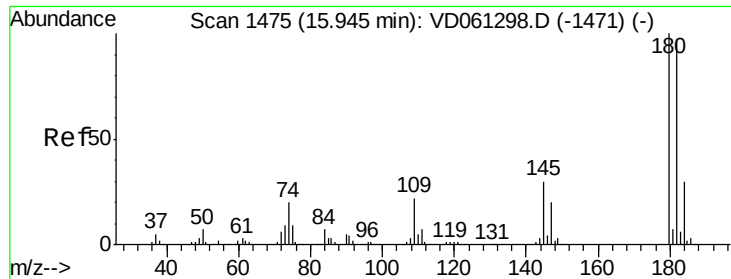
Tot Ion:146 Resp: 272617
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.3 54.8
 148 63.1 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.485 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Tgt Ion: 75 Resp: 14701
 Ion Ratio Lower Upper
 75 100
 155 118.9 61.9 185.7
 157 149.9 84.4 253.2

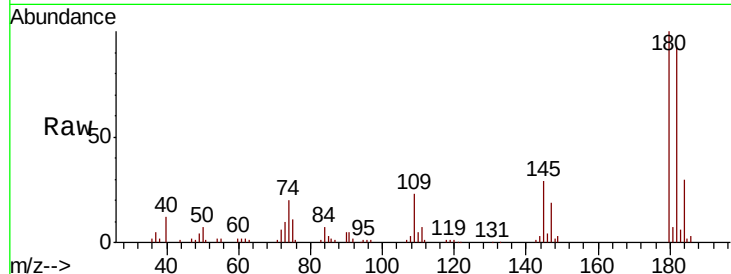




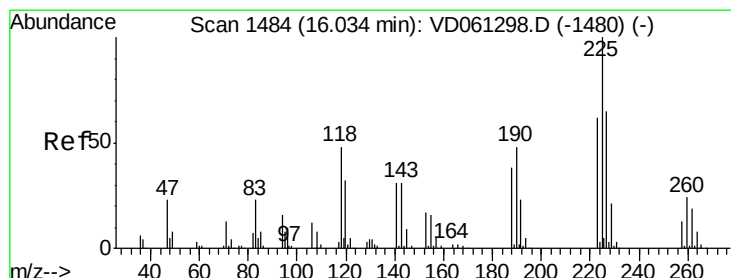
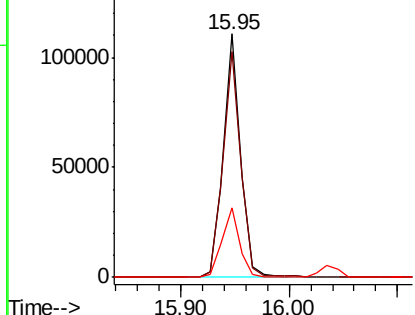
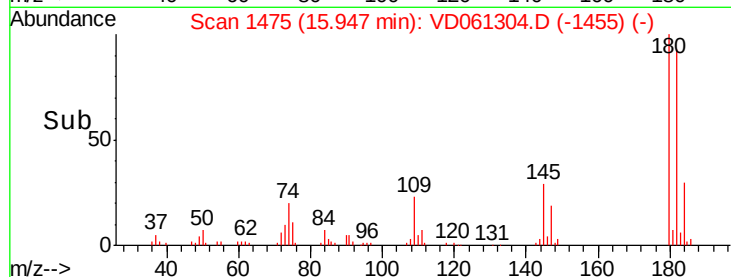
#93
 1,2,4-Trichlorobenzene
 Concen: 23.769 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	48.3	144.9
145	28.7	14.8	44.4

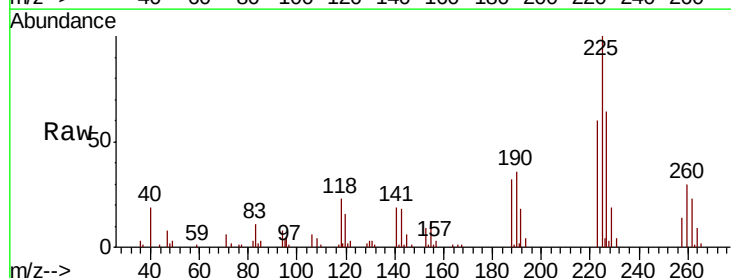


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

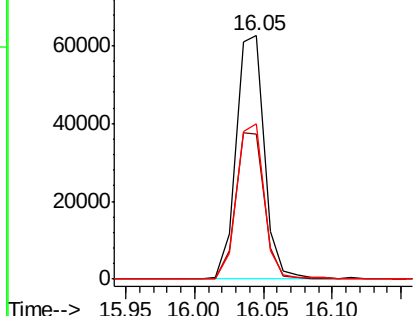
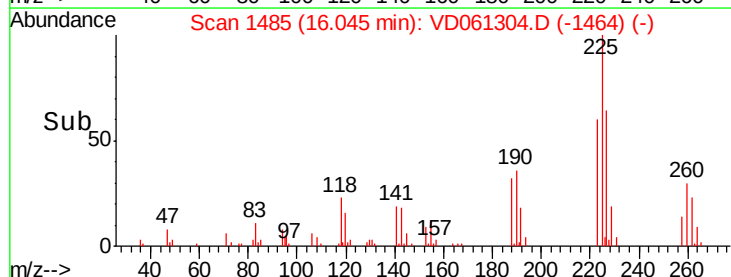


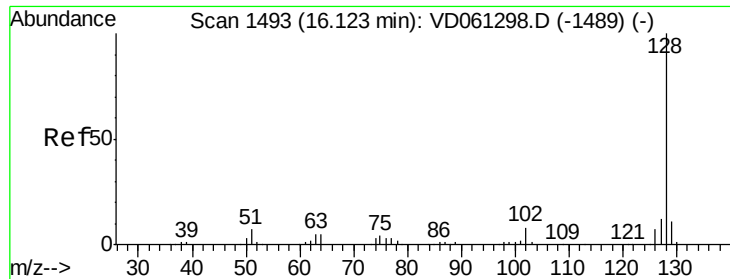
#94
 Hexachlorobutadiene
 Concen: 21.608 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061304.D
 Acq: 25 Mar 2019 16:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	30.9	92.8
227	64.0	32.6	97.7



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

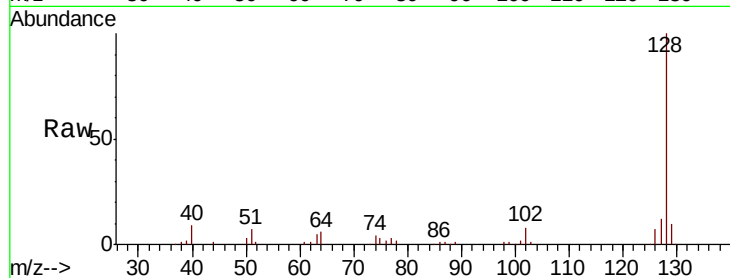




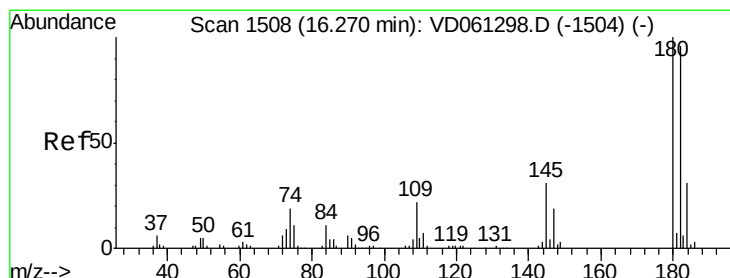
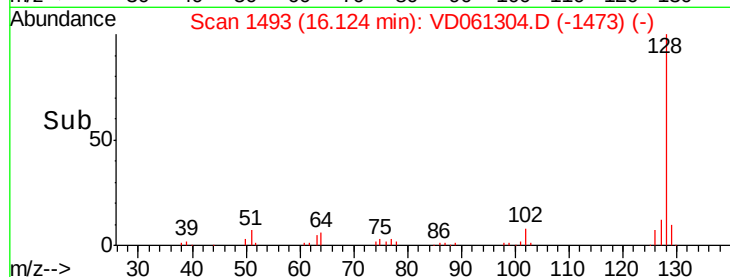
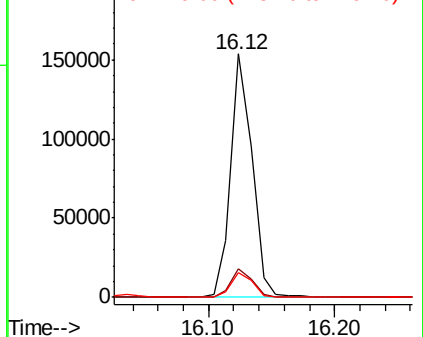
#95
Naphthalene
Concen: 23.830 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Instrument :
MSVOA_D
ClientSampleId :
VD0325SBSD01

Tot Ion:128 Resp: 179144
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.6
129 10.2 8.6 12.8

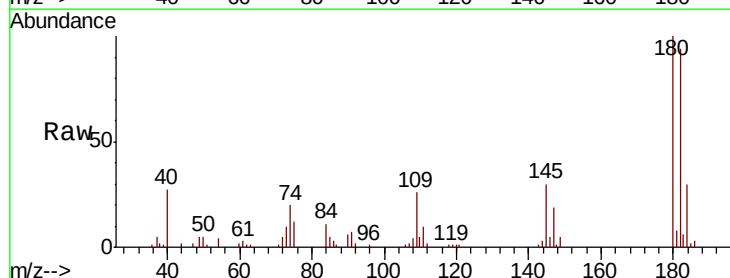


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.119 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061304.D
Acq: 25 Mar 2019 16:16

Tgt Ion:180 Resp: 50820
Ion Ratio Lower Upper
180 100
182 94.4 48.0 144.2
145 30.4 15.4 46.4



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

