

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062706.D
 Acq On : 14 Jun 2019 13:02
 Operator : VA/AP
 Sample : VD0614SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Quant Time: Jun 15 04:36:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	735394	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	983838	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	801188	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	437548	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	555471	52.35	ug/l	0.01
Spiked Amount			Recovery	=	104.70%	
35) Dibromofluoromethane	6.93	113	556032	53.59	ug/l	0.01
Spiked Amount			Recovery	=	107.18%	
50) Toluene-d8	10.42	98	1232762	56.48	ug/l	0.00
Spiked Amount			Recovery	=	112.96%	
62) 4-Bromofluorobenzene	13.56	95	557374	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	202364	22.237	ug/l	98
3) Chloromethane	1.75	50	165611	22.760	ug/l	96
4) Vinyl Chloride	1.86	62	159153	21.211	ug/l	97
5) Bromomethane	2.16	94	69815	18.433	ug/l	96
6) Chloroethane	2.26	64	76529	20.658	ug/l #	79
7) Trichlorofluoromethane	2.53	101	328924	19.585	ug/l	98
8) Diethyl Ether	2.88	74	49780	21.793	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.15	101	197352	21.789	ug/l	94
10) Methyl Iodide	3.31	142	224842	19.739	ug/l	94
11) Tert butyl alcohol	4.10	59	42954	98.475	ug/l #	73
12) 1,1-Dichloroethene	3.13	96	139436	21.452	ug/l	86
13) Acrolein	3.05	56	14525	103.521	ug/l	84
14) Allyl chloride	3.62	41	210450	21.057	ug/l	87
15) Acrylonitrile	4.21	53	105293	106.227	ug/l	96
16) Acetone	3.24	43	196255	100.997	ug/l	96
17) Carbon Disulfide	3.38	76	369013	19.265	ug/l	98
18) Methyl Acetate	3.65	43	77794	24.361	ug/l #	89
19) Methyl tert-butyl Ether	4.24	73	322031	20.314	ug/l	99
20) Methylene Chloride	3.82	84	159687	21.499	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	145754	20.443	ug/l	97
22) Diisopropyl ether	5.14	45	424514	20.457	ug/l	93
23) Vinyl Acetate	5.07	43	1337800	103.914	ug/l #	95
24) 1,1-Dichloroethane	4.99	63	282385	21.152	ug/l	98
25) 2-Butanone	6.08	43	196885	103.857	ug/l	98
26) 2,2-Dichloropropane	6.03	77	325247	21.139	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	162761	21.058	ug/l	94
28) Bromochloromethane	6.45	49	91863	18.001	ug/l	95
29) Tetrahydrofuran	6.48	42	101346	118.713	ug/l	94
30) Chloroform	6.67	83	377773	22.055	ug/l	95
31) Cyclohexane	6.96	56	168968	20.177	ug/l	92
32) 1,1,1-Trichloroethane	6.88	97	368182	21.602	ug/l	98
36) 1,1-Dichloropropene	7.15	75	233057	20.698	ug/l	99
37) Ethyl Acetate	6.19	43	100238	21.578	ug/l #	85
38) Carbon Tetrachloride	7.12	117	366147	20.573	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
 Data File : VD062706.D
 Acq On : 14 Jun 2019 13:02
 Operator : VA/AP
 Sample : VD0614SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Quant Time: Jun 15 04:36:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	191984	21.099	ug/l	97
40) Benzene	7.46	78	465569	21.172	ug/l	97
41) Methacrylonitrile	6.47	41	130053	22.064	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	265415	20.250	ug/l	97
43) Isopropyl Acetate	9.24	43	125328	21.095	ug/l #	95
44) Trichloroethene	8.55	130	180207	20.186	ug/l	98
45) 1,2-Dichloropropane	8.95	63	119746	22.671	ug/l	98
46) Dibromomethane	9.07	93	103746	22.128	ug/l #	90
47) Bromodichloromethane	9.38	83	282375	22.140	ug/l	95
48) Methyl methacrylate	9.13	41	88267	20.564	ug/l #	81
49) 1,4-Dioxane	9.09	88	15126	422.724	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	452351	108.811	ug/l	94
52) Toluene	10.51	92	313637	21.219	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	219658	21.006	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	243485	22.529	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	111342	21.965	ug/l	95
56) Ethyl methacrylate	11.06	69	116794	21.555	ug/l	92
57) 1,3-Dichloropropane	11.41	76	165055	21.008	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	321343	118.608	ug/l	93
59) 2-Hexanone	11.54	43	342321	110.698	ug/l	98
60) Dibromochloromethane	11.69	129	198765	19.864	ug/l	98
61) 1,2-Dibromoethane	11.81	107	132286	21.805	ug/l	99
64) Tetrachloroethene	11.26	164	162133	21.618	ug/l	96
65) Chlorobenzene	12.40	112	399519	22.544	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	189133	22.377	ug/l	96
67) Ethyl Benzene	12.52	91	710179	22.602	ug/l	97
68) m/p-Xylenes	12.67	106	519542	47.033	ug/l	99
69) o-Xylene	13.05	106	228568	22.530	ug/l	88
70) Styrene	13.07	104	385383	21.290	ug/l	99
71) Bromoform	13.24	173	128515	21.529	ug/l	96
73) Isopropylbenzene	13.41	105	713092	23.122	ug/l	100
74) N-amyl acetate	13.27	43	183086	21.966	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	120220	22.782	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	130252	21.955	ug/l	99
77) Bromobenzene	13.67	156	199401	22.621	ug/l	97
78) n-propylbenzene	13.77	91	861747	22.827	ug/l	98
79) 2-Chlorotoluene	13.84	91	519573	23.506	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	671565	24.639	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	33219	21.305	ug/l #	89
82) 4-Chlorotoluene	13.95	91	639634	24.198	ug/l	98
83) tert-Butylbenzene	14.20	119	678567	22.572	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	626341	23.209	ug/l	97
85) sec-Butylbenzene	14.37	105	744686	23.623	ug/l	100
86) p-Isopropyltoluene	14.49	119	717219	23.368	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	355445	22.259	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	342881	22.720	ug/l	98
89) n-Butylbenzene	14.80	91	673941	24.408	ug/l	98
90) Hexachloroethane	15.01	117	181346	22.381	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	336956	25.384	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	23001	20.406	ug/l	77

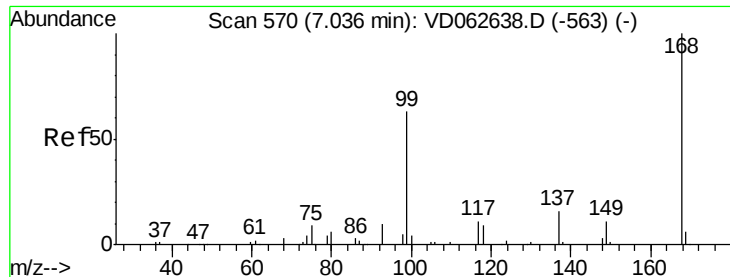
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061419\
Data File : VD062706.D
Acq On : 14 Jun 2019 13:02
Operator : VA/AP
Sample : VD0614SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Jun 15 04:36:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	229129	22.464	ug/l	97
94) Hexachlorobutadiene	16.04	225	178937	22.832	ug/l	98
95) Naphthalene	16.13	128	317456	22.066	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	169009	22.105	ug/l	97

(#) = 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. 0.02 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

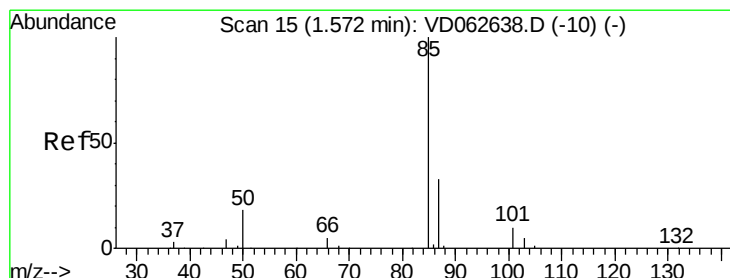
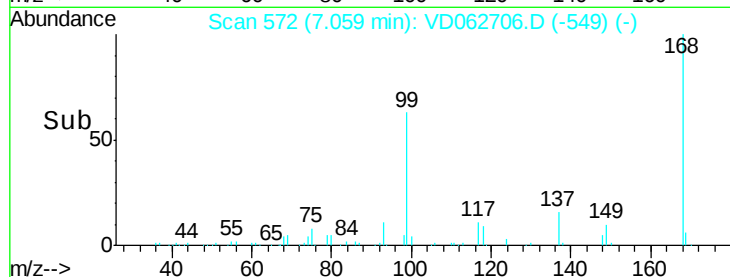
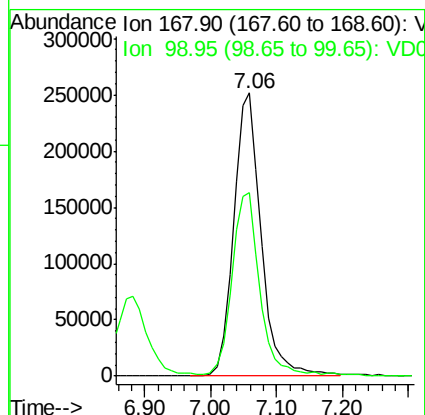
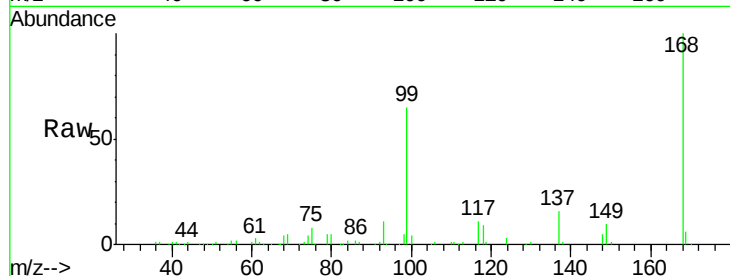
VD0614SBSD01

Tot Ion:168 Resp: 735394

Ion Ratio Lower Upper

168 100

99 64.7 51.4 77.2



#2

Dichlorodifluoromethane

Concen: 22.237 ug/l

RT: 1.59 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062706.D

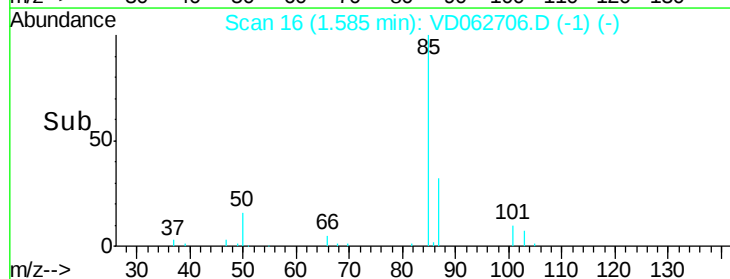
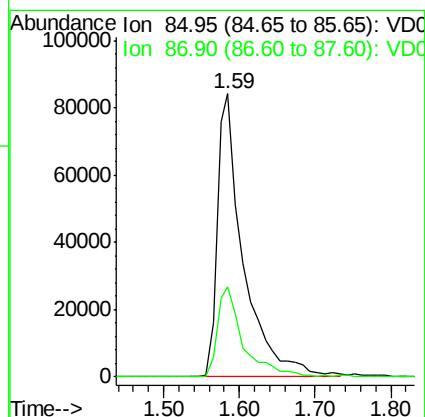
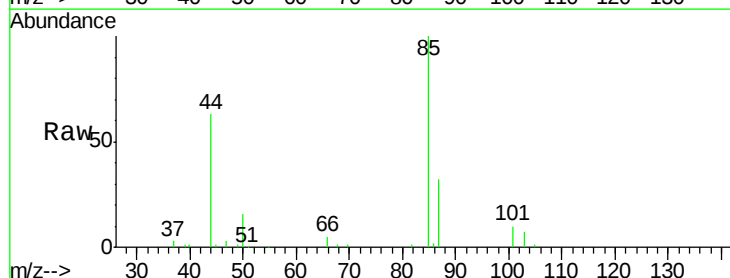
Acq: 14 Jun 2019 13:02

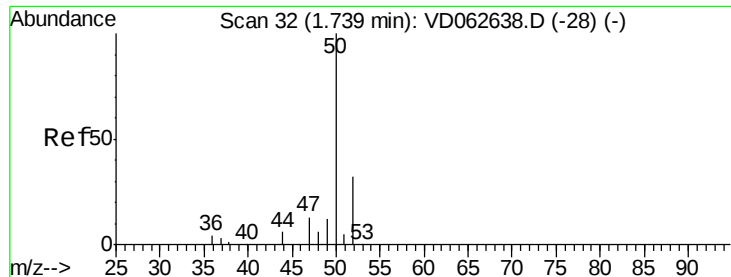
Tgt Ion: 85 Resp: 202364

Ion Ratio Lower Upper

85 100

87 32.0 16.6 49.7





#3

Chloromethane

Concen: 22.760 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

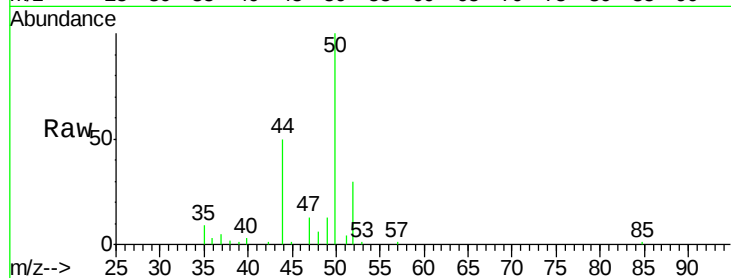
VD0614SBSD01

Tot Ion: 50 Resp: 165611

Ion Ratio Lower Upper

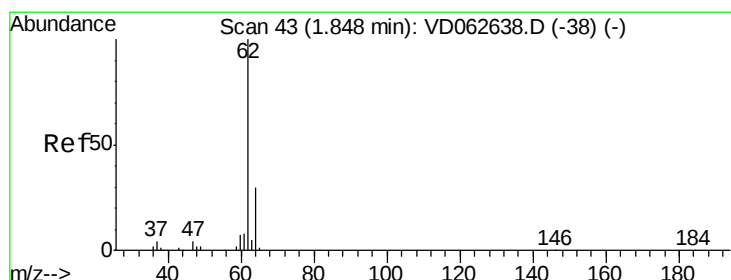
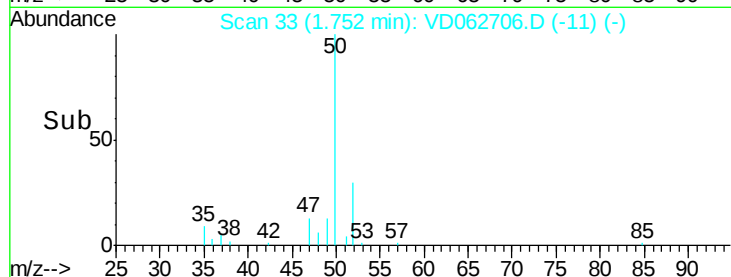
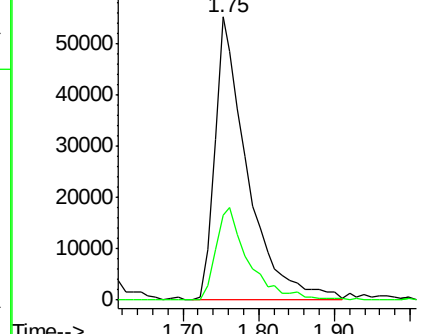
50 100

52 29.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.211 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD062706.D

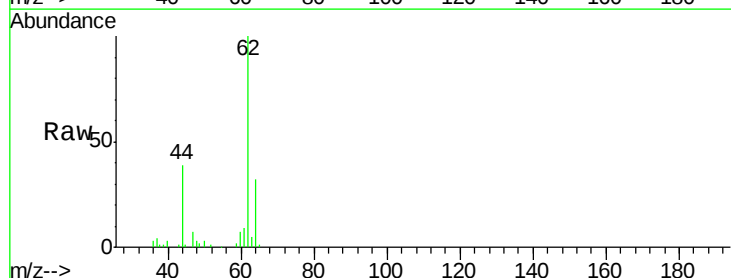
Acq: 14 Jun 2019 13:02

Tgt Ion: 62 Resp: 159153

Ion Ratio Lower Upper

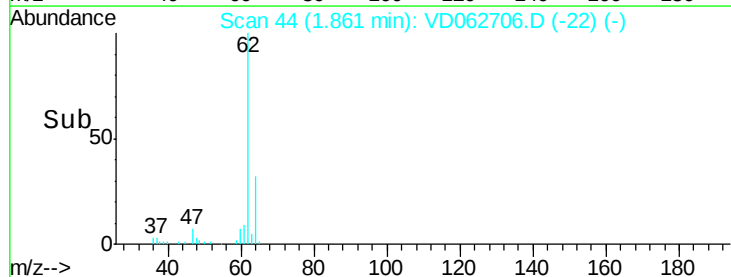
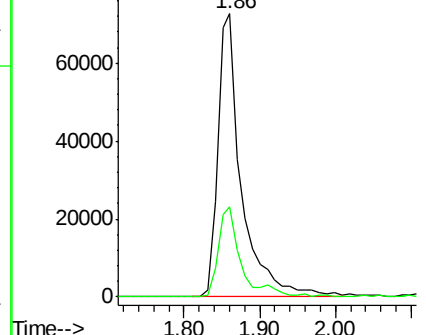
62 100

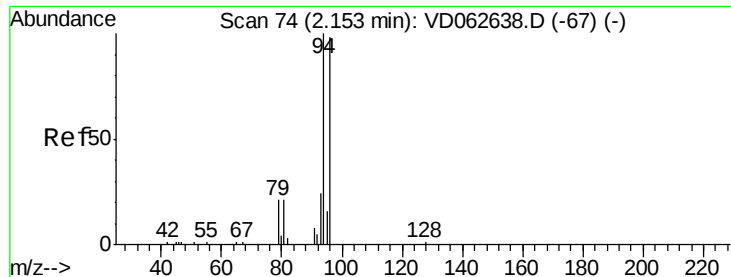
64 31.9 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.433 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

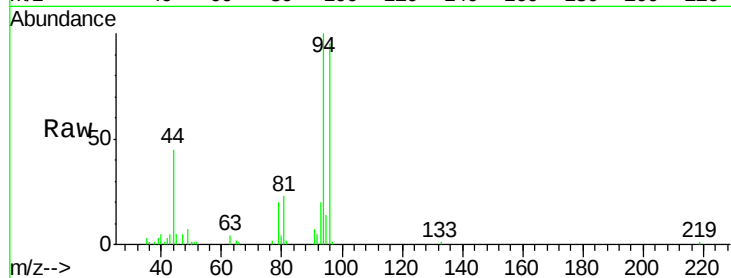
Tot Ion: 94 Resp: 69815

Ion Ratio Lower Upper

94 100

96 94.9 78.1 117.1

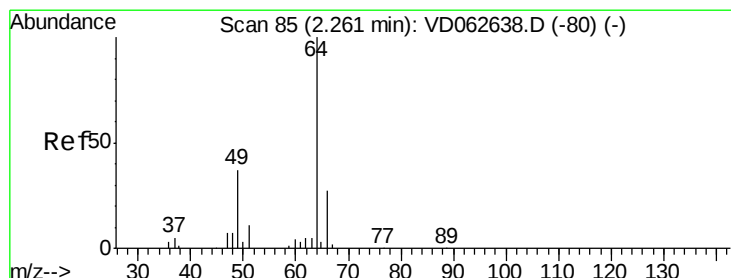
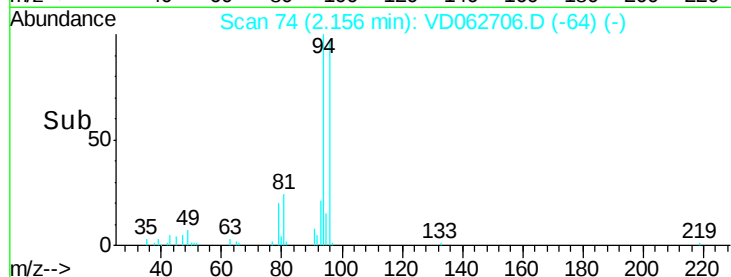
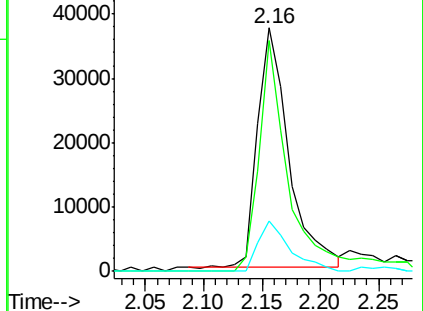
93 20.5 19.6 29.4



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: 20.658 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062706.D

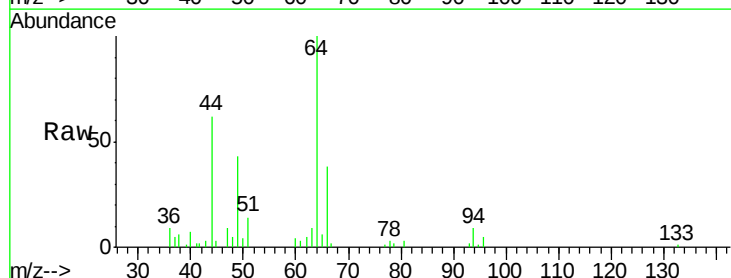
Acq: 14 Jun 2019 13:02

Tgt Ion: 64 Resp: 76529

Ion Ratio Lower Upper

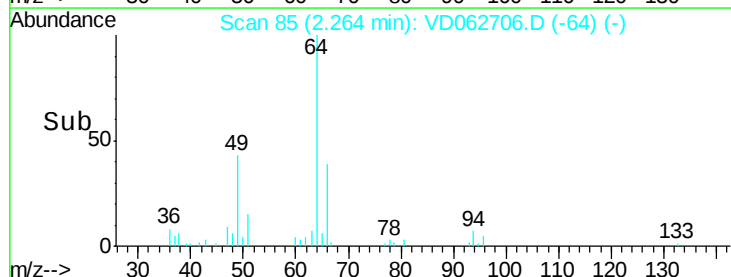
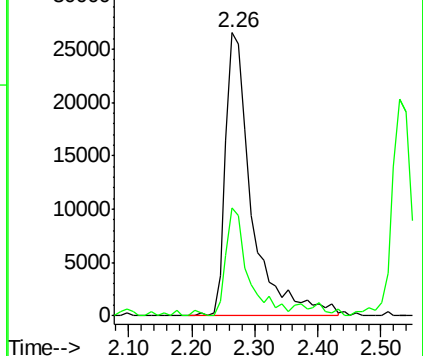
64 100

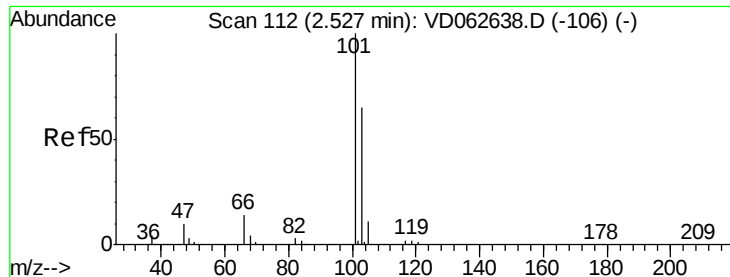
66 38.3 21.9 32.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



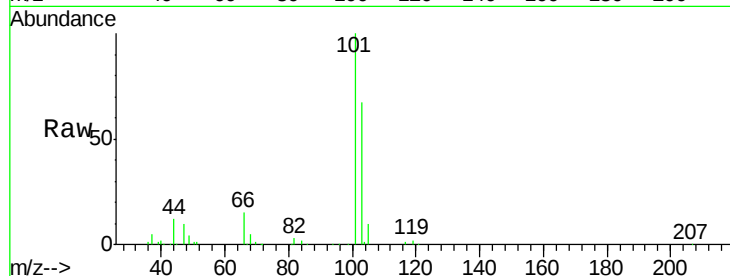


#7

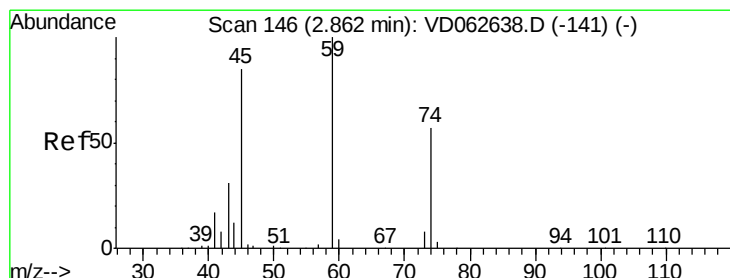
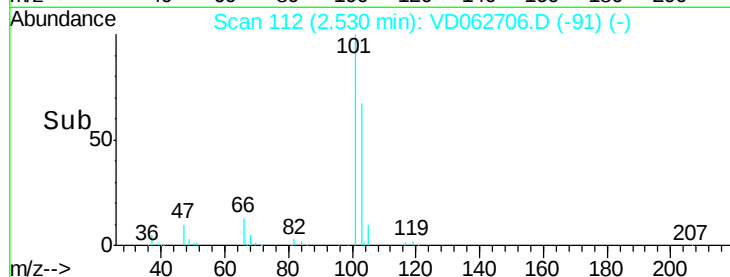
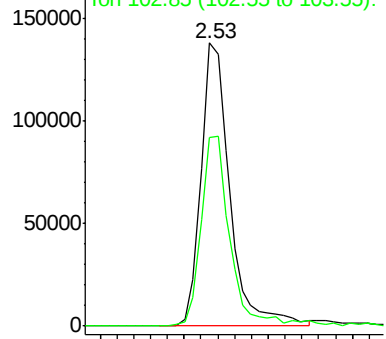
Trichlorofluoromethane
 Concen: 19.585 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBSD01

Tot Ion:101 Resp: 328924
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.2 78.2



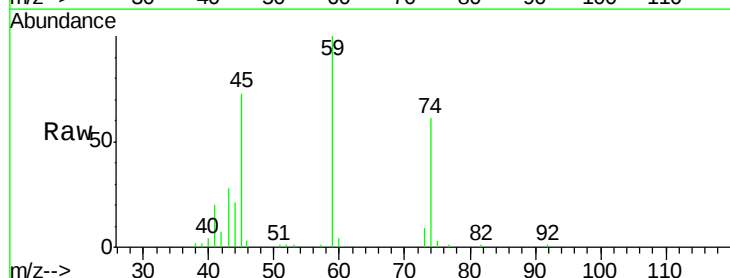
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



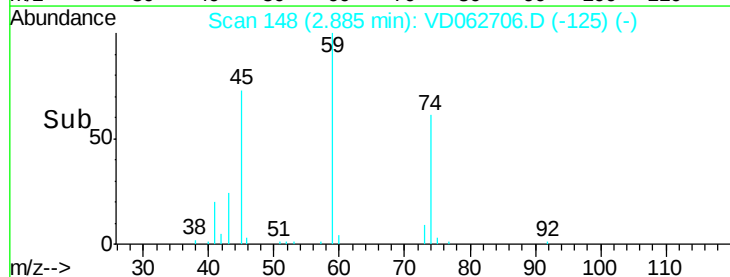
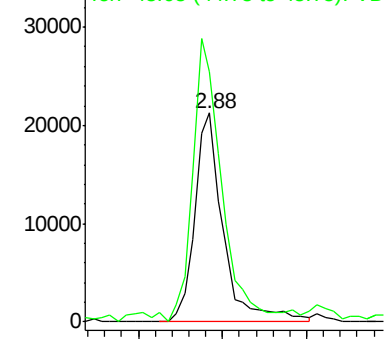
#8

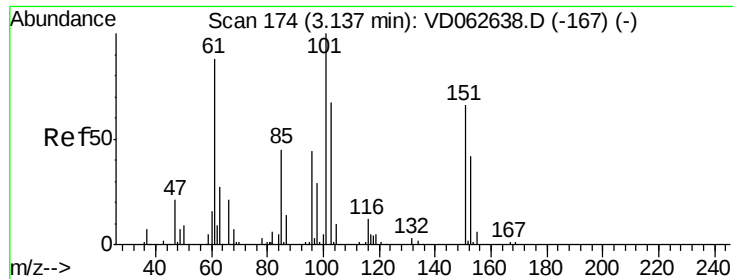
Diethyl Ether
 Concen: 21.793 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.02 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

Tgt Ion: 74 Resp: 49780
 Ion Ratio Lower Upper
 74 100
 45 120.1 74.9 224.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.789 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

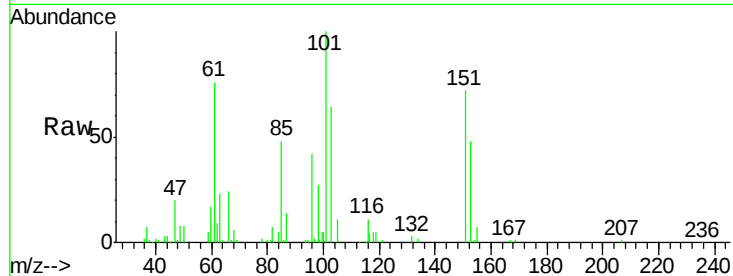
Tot Ion:101 Resp: 197352

Ion Ratio Lower Upper

101 100

85 47.8 36.0 54.0

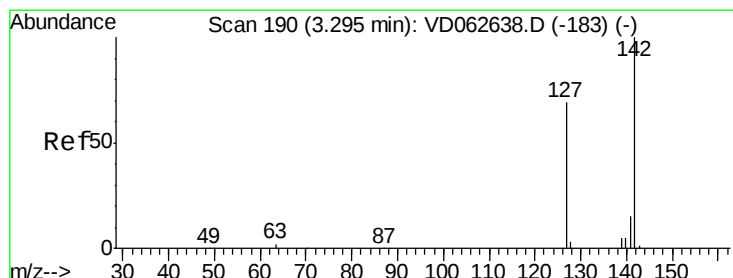
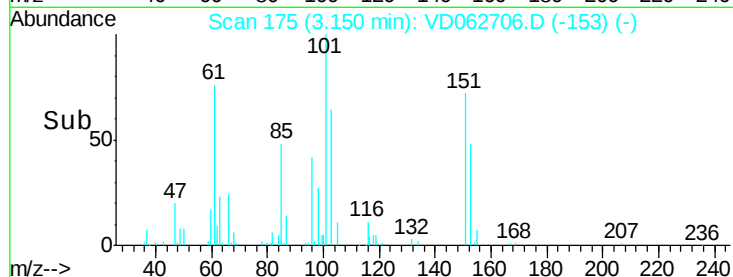
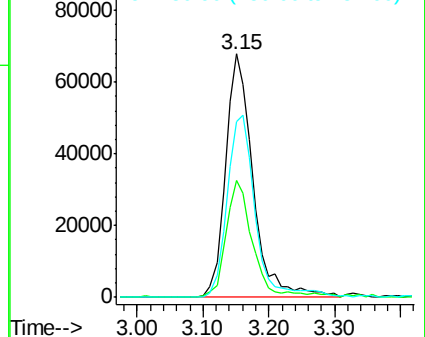
151 72.0 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 19.739 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

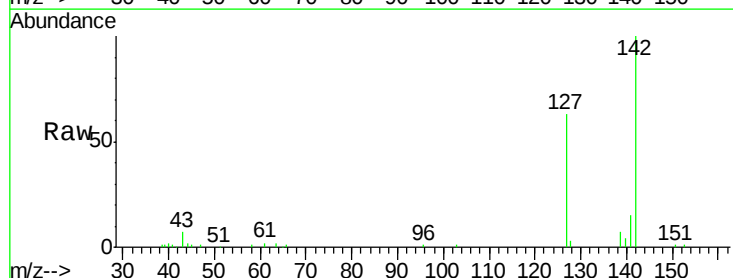
Tgt Ion:142 Resp: 224842

Ion Ratio Lower Upper

142 100

127 62.7 55.2 82.8

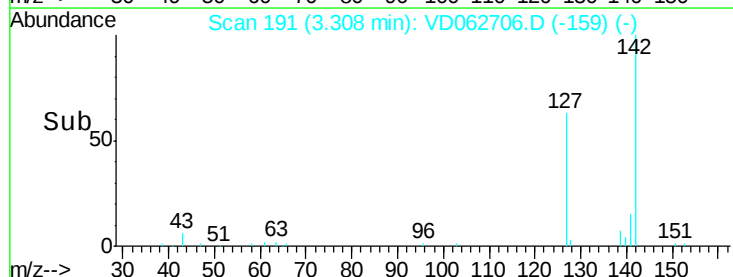
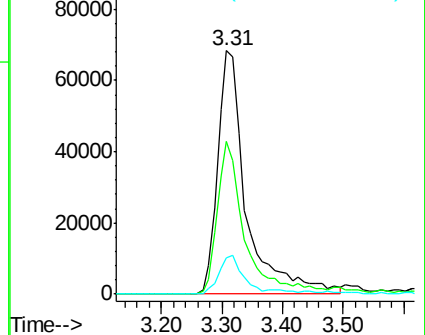
141 15.1 12.1 18.1

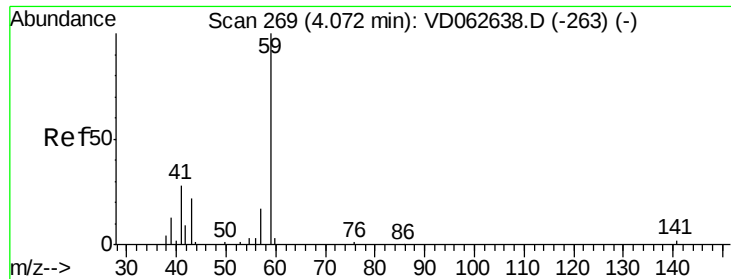


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

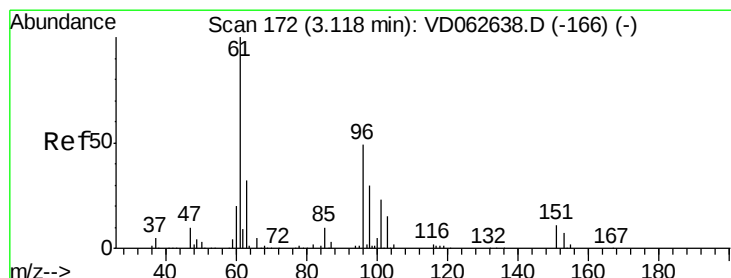
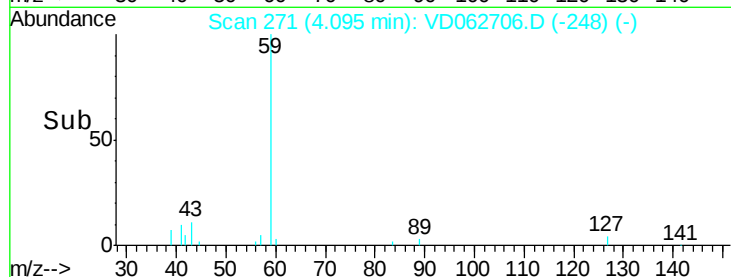
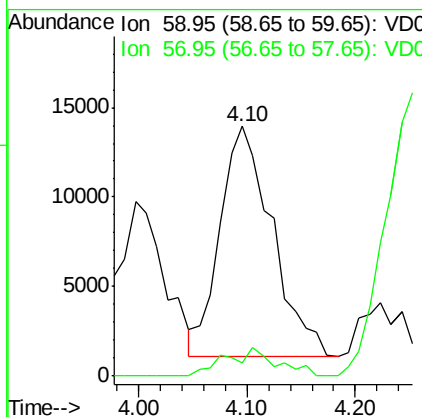
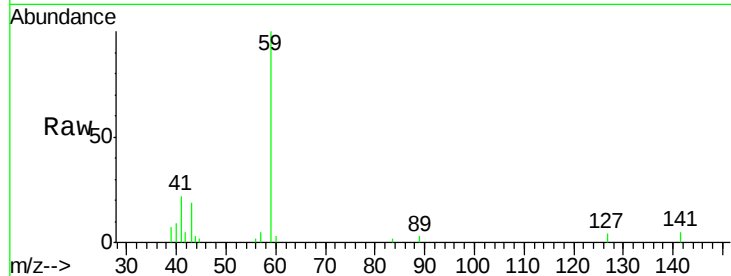




#11
Tert butyl alcohol
Concen: 98.475 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.02 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

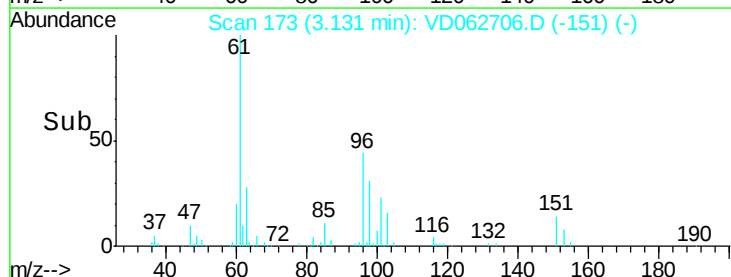
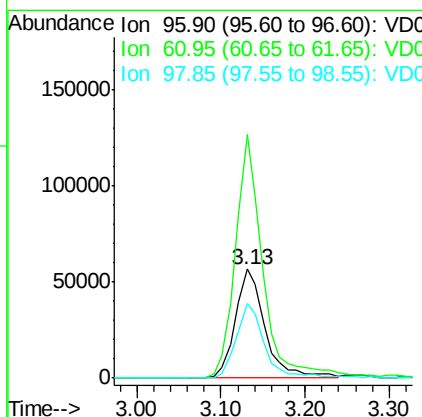
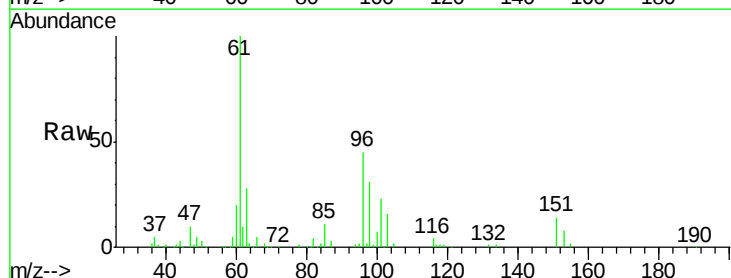
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

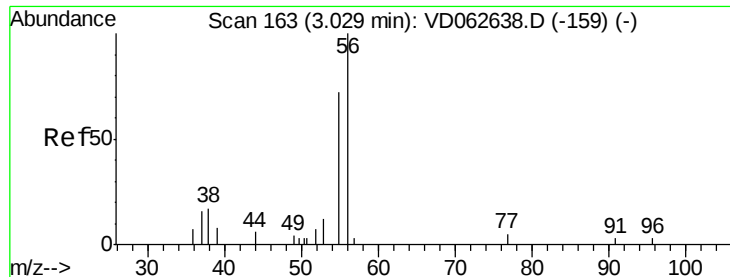
Tot Ion: 59 Resp: 42954
Ion Ratio Lower Upper
59 100
57 5.2 13.7 20.5#



#12
1,1-Dichloroethene
Concen: 21.452 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion: 96 Resp: 139436
Ion Ratio Lower Upper
96 100
61 224.1 161.8 242.8
98 69.2 48.2 72.4





#13

Acrolein

Concen: 103.521 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

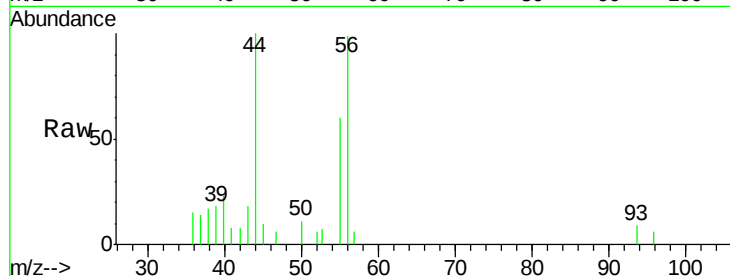
VD0614SBS01

Tot Ion: 56 Resp: 14525

Ion Ratio Lower Upper

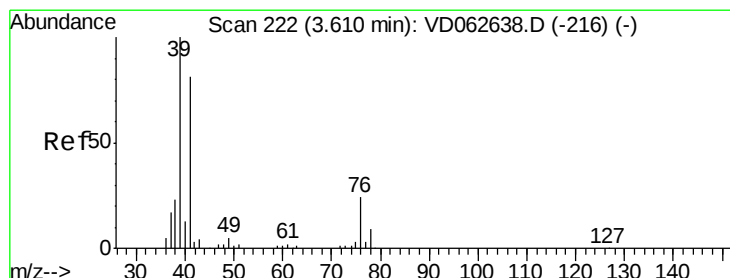
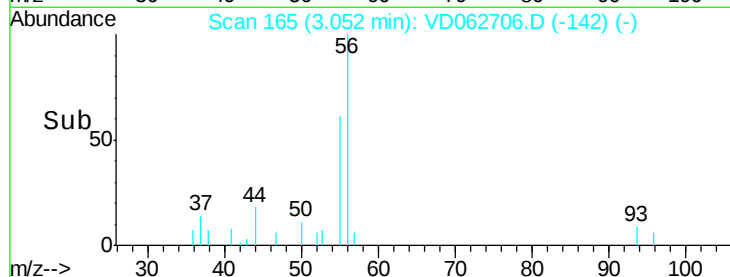
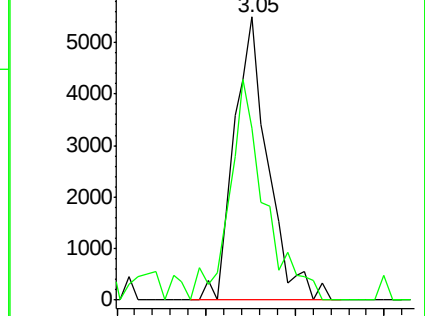
56 100

55 60.6 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.057 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

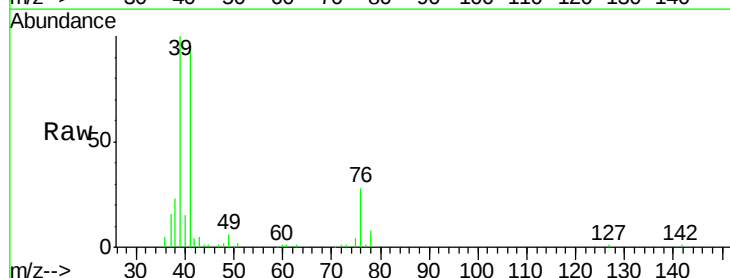
Tgt Ion: 41 Resp: 210450

Ion Ratio Lower Upper

41 100

39 105.8 99.1 148.7

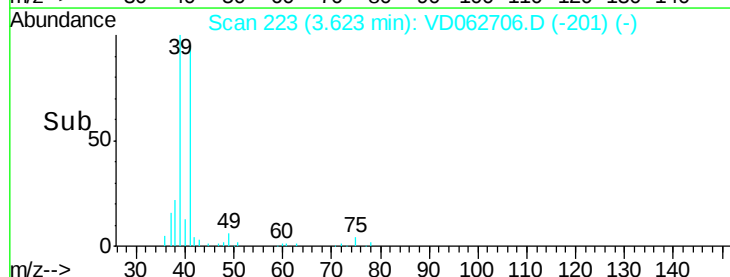
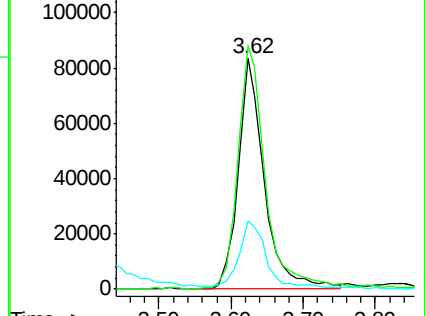
76 29.8 25.0 37.6

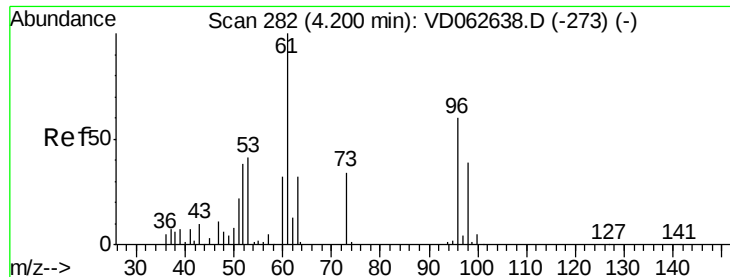


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 106.227 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

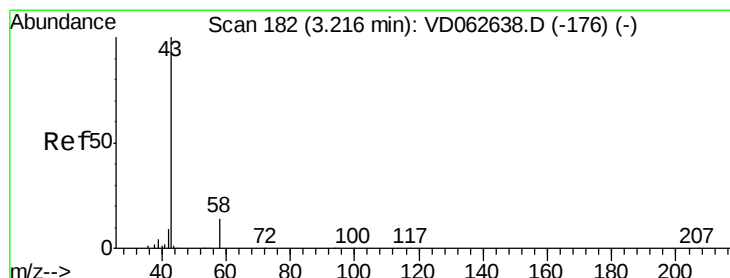
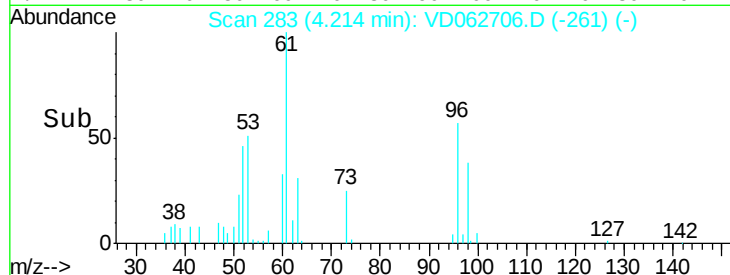
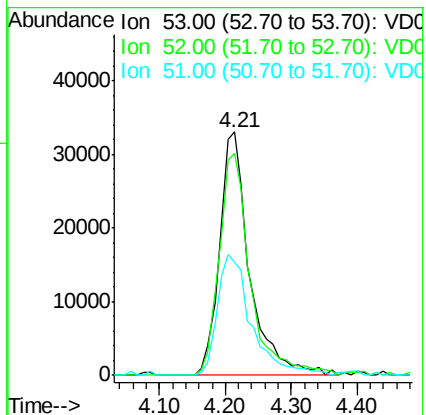
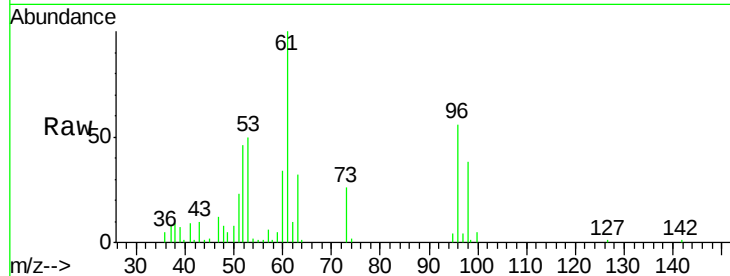
Tot Ion: 53 Resp: 105293

Ion Ratio Lower Upper

53 100

52 91.2 73.6 110.4

51 46.4 42.0 63.0



#16

Acetone

Concen: 100.997 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD062706.D

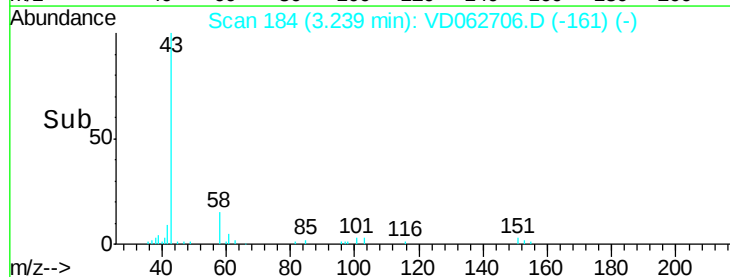
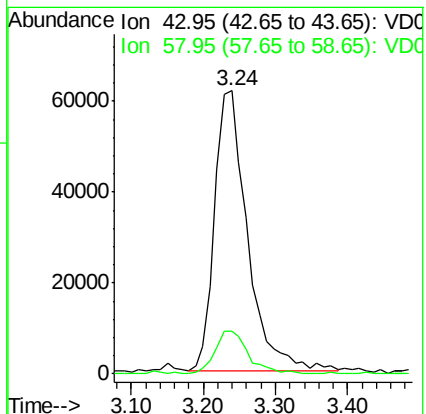
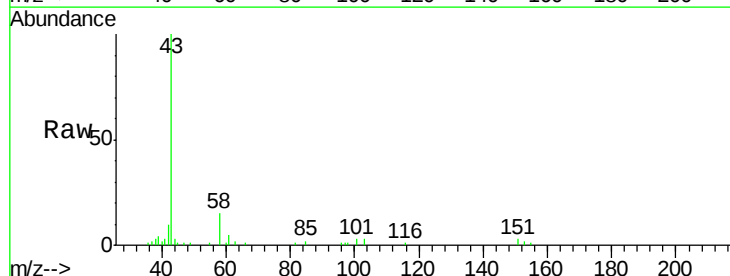
Acq: 14 Jun 2019 13:02

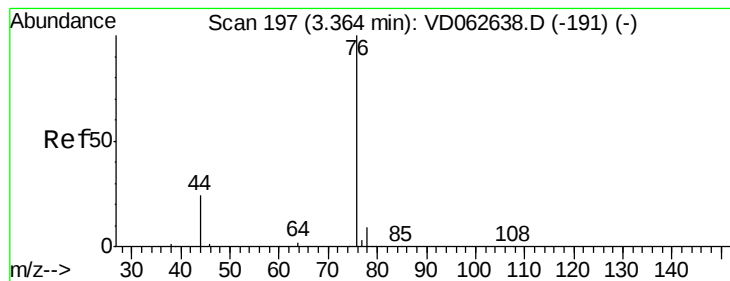
Tgt Ion: 43 Resp: 196255

Ion Ratio Lower Upper

43 100

58 15.0 10.8 16.2





#17

Carbon Disulfide

Concen: 19.265 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

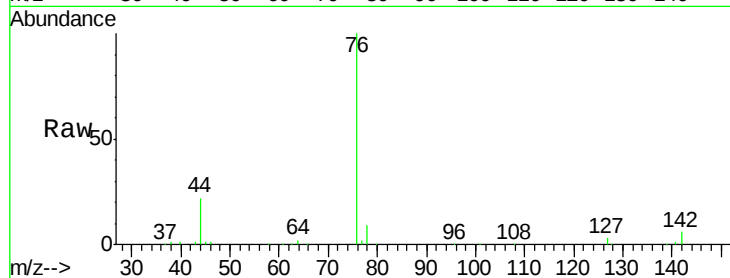
VD0614SBSD01

Tot Ion: 76 Resp: 369013

Ion Ratio Lower Upper

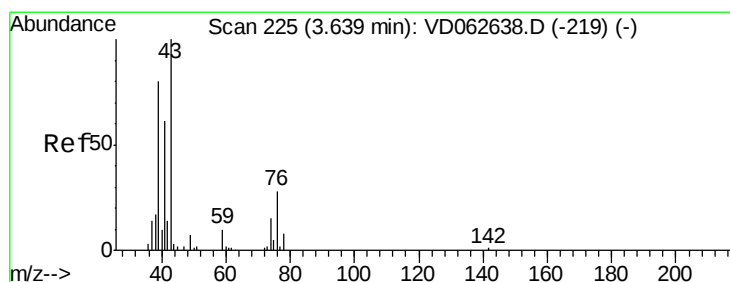
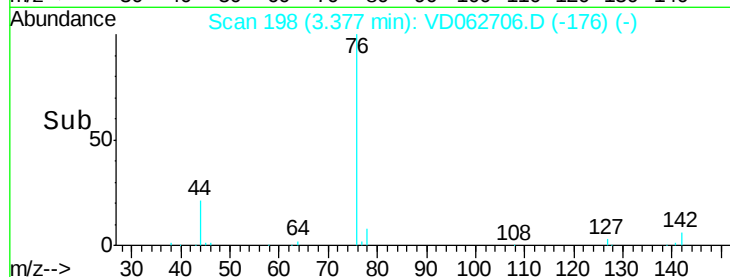
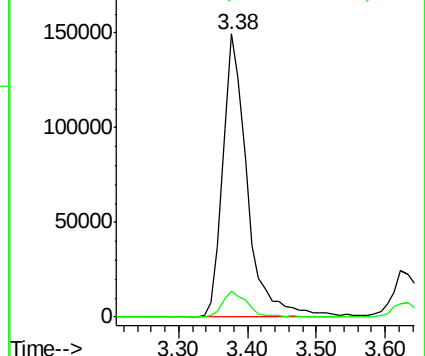
76 100

78 9.3 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 24.361 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062706.D

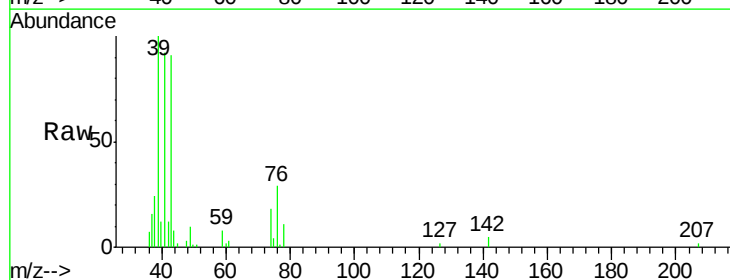
Acq: 14 Jun 2019 13:02

Tgt Ion: 43 Resp: 77794

Ion Ratio Lower Upper

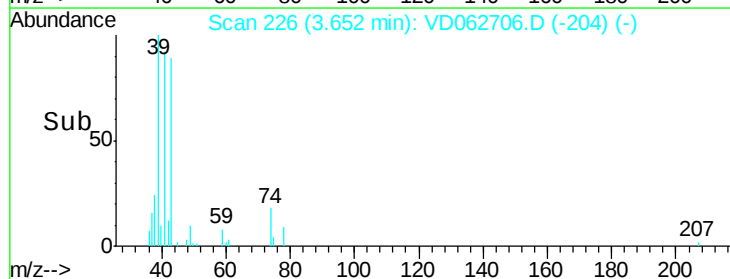
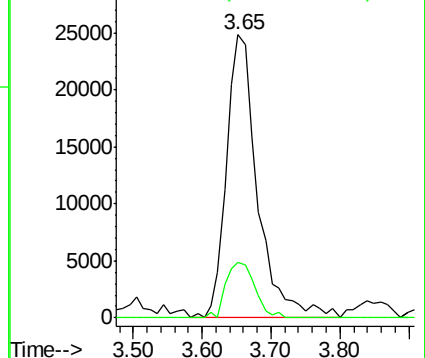
43 100

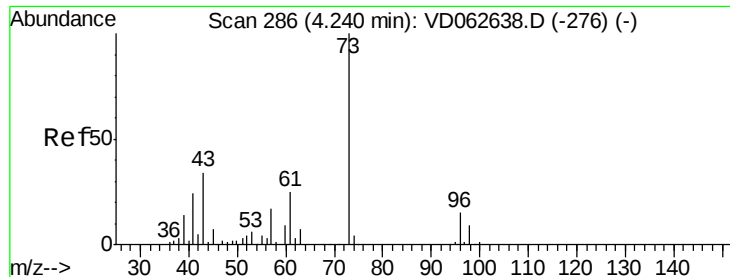
74 19.5 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

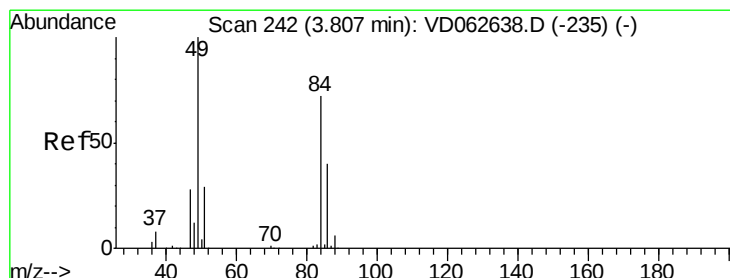
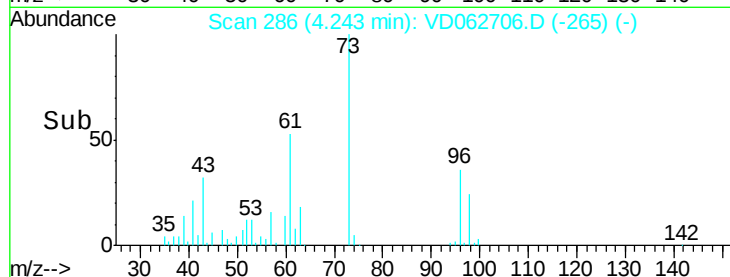
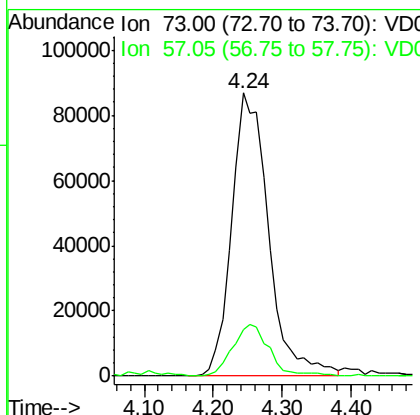
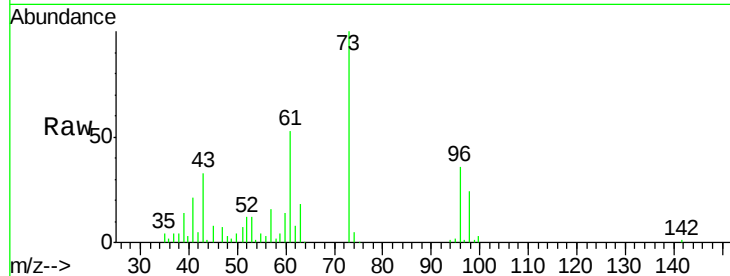




#19
Methvl tert-butvl Ether
Concen: 20.314 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

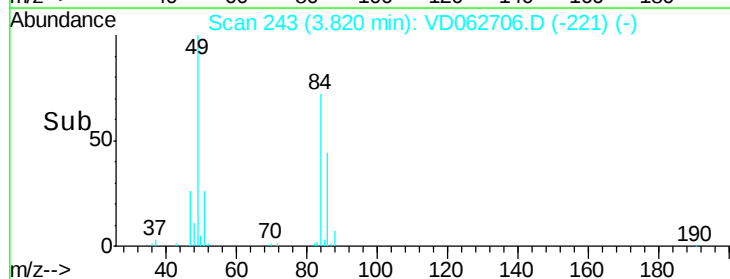
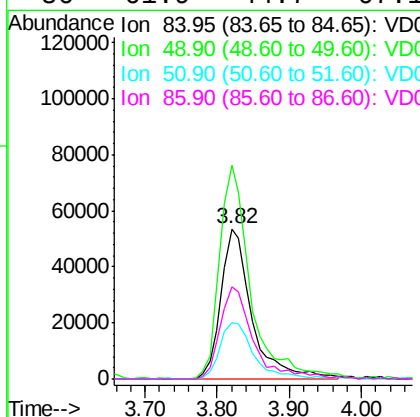
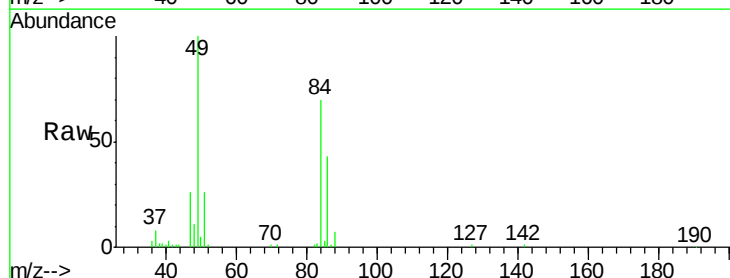
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

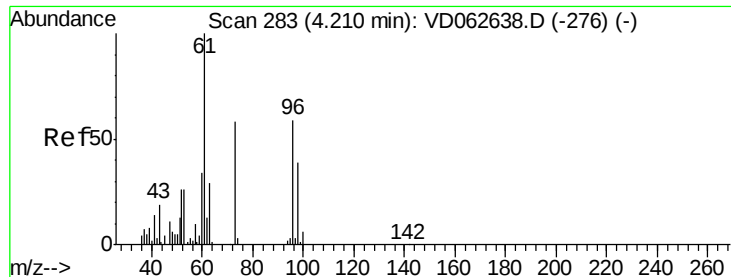
Tot Ion: 73 Resp: 322031
Ion Ratio Lower Upper
73 100
57 16.3 13.5 20.3



#20
Methylene Chloride
Concen: 21.499 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion: 84 Resp: 159687
Ion Ratio Lower Upper
84 100
49 142.6 111.2 166.8
51 37.4 31.9 47.9
86 61.9 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 20.443 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

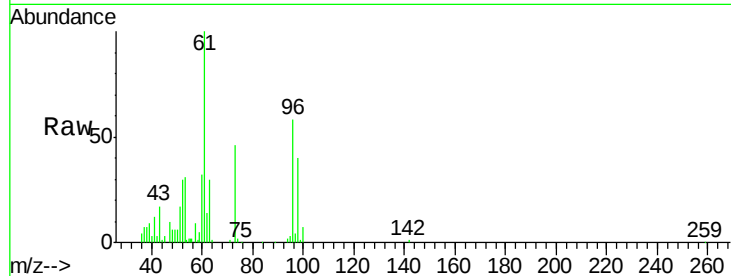
Tot Ion: 96 Resp: 145754

Ion Ratio Lower Upper

96 100

61 172.1 134.6 201.8

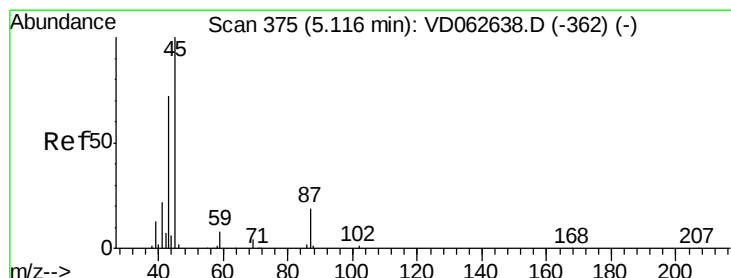
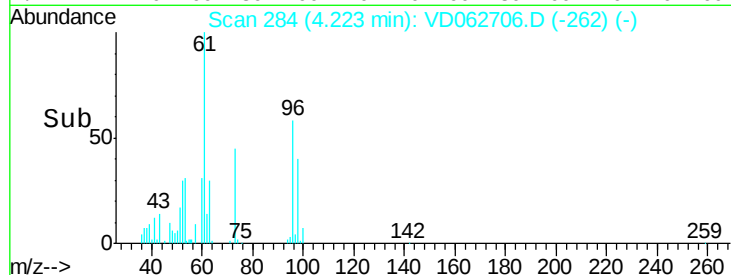
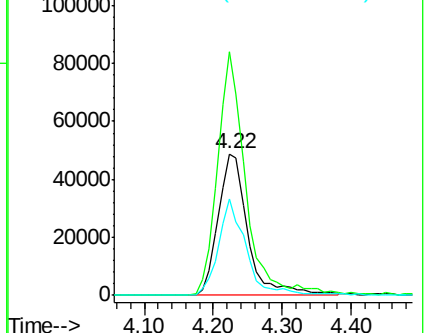
98 68.4 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.457 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Tgt Ion: 45 Resp: 424514

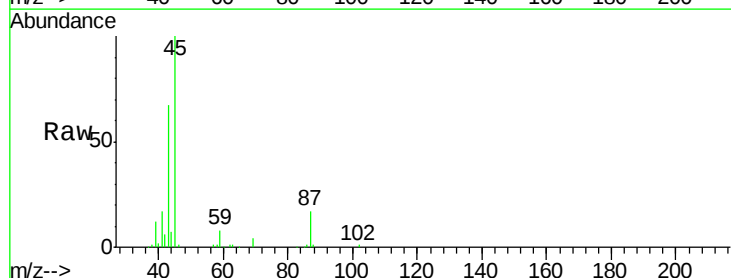
Ion Ratio Lower Upper

45 100

43 66.9 58.8 88.2

87 17.3 15.7 23.5

59 7.6 6.6 9.8

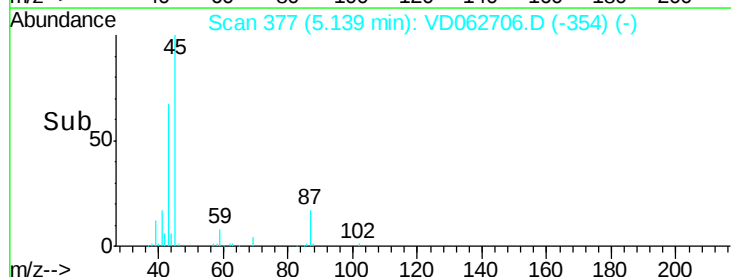
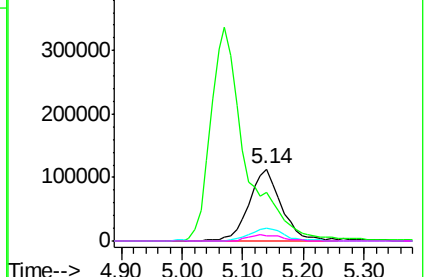


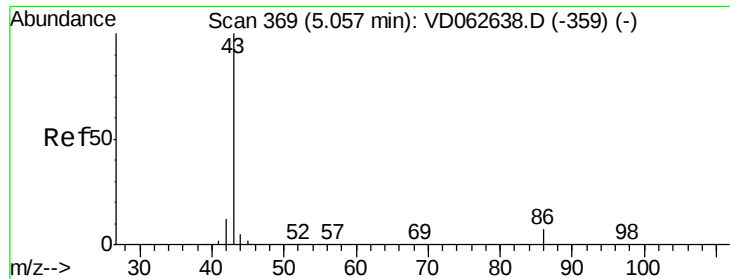
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 103.914 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

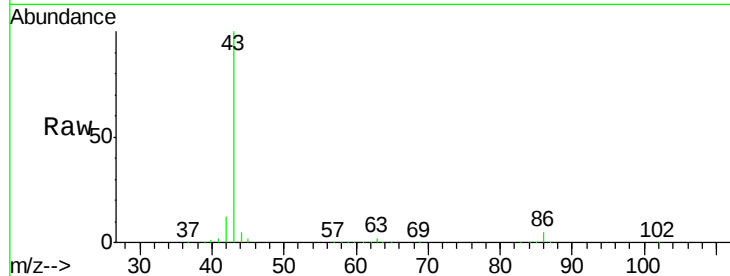
VD0614SBSD01

Tot Ion: 43 Resp: 1337800

Ion Ratio Lower Upper

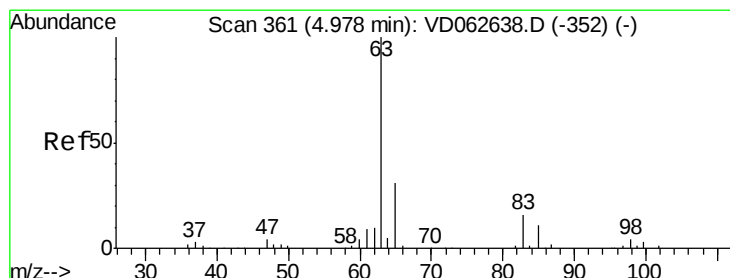
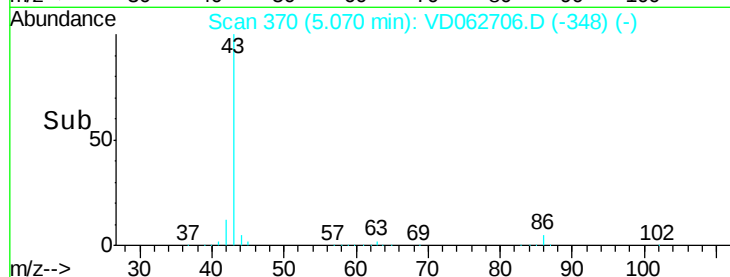
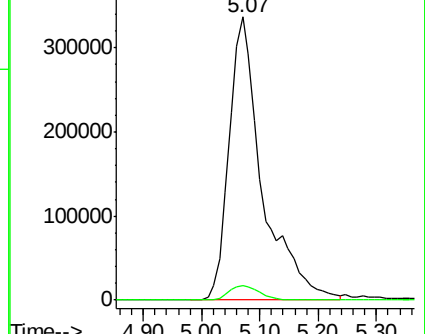
43 100

86 5.0 5.3 7.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.152 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

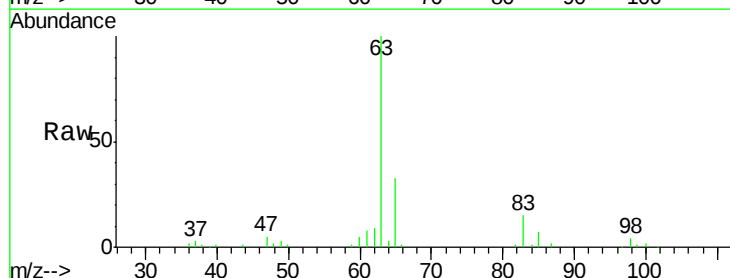
Tgt Ion: 63 Resp: 282385

Ion Ratio Lower Upper

63 100

98 4.1 1.8 5.4

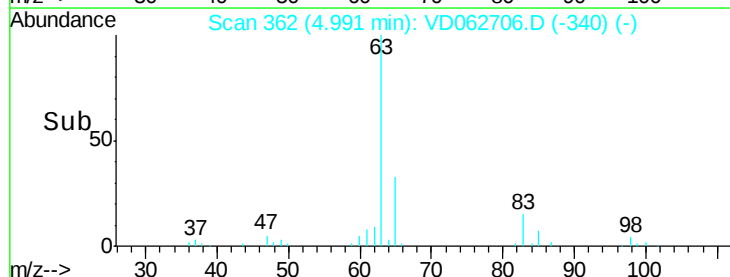
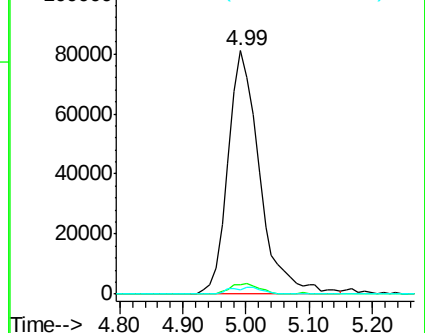
100 1.8 1.5 4.4

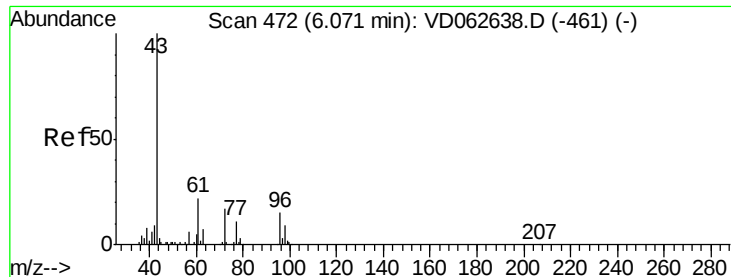


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 103.857 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

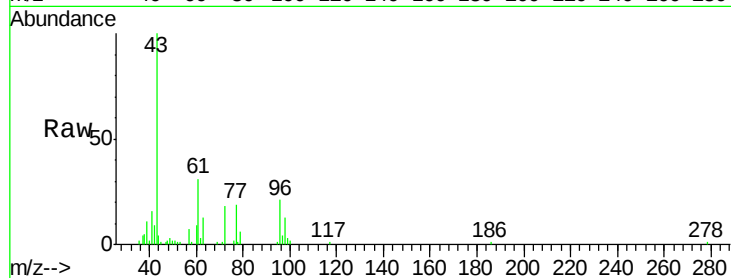
VD0614SBSD01

Tot Ion: 43 Resp: 196885

Ion Ratio Lower Upper

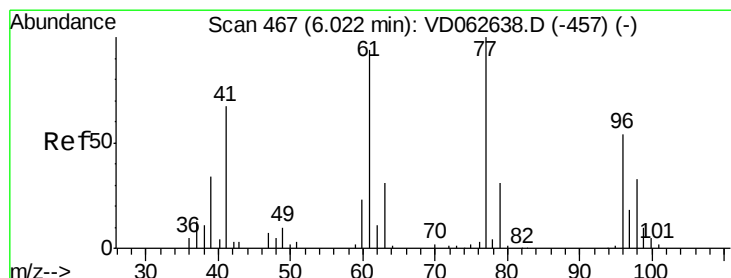
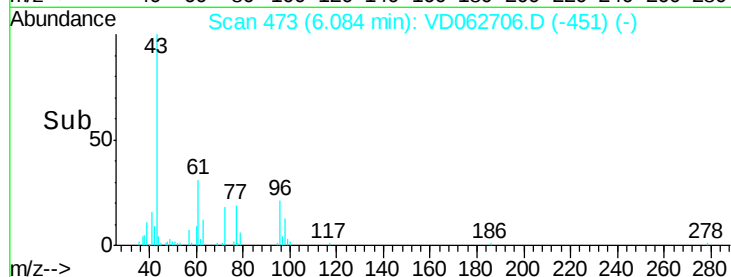
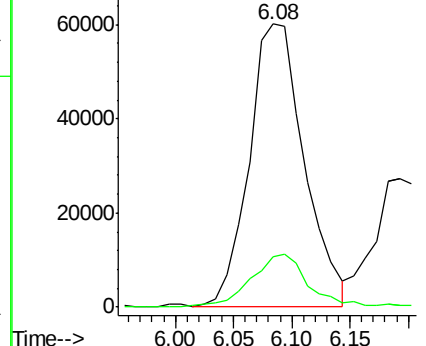
43 100

72 17.7 13.5 20.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.139 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062706.D

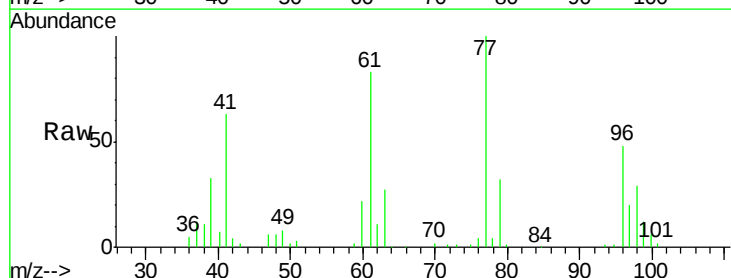
Acq: 14 Jun 2019 13:02

Tgt Ion: 77 Resp: 325247

Ion Ratio Lower Upper

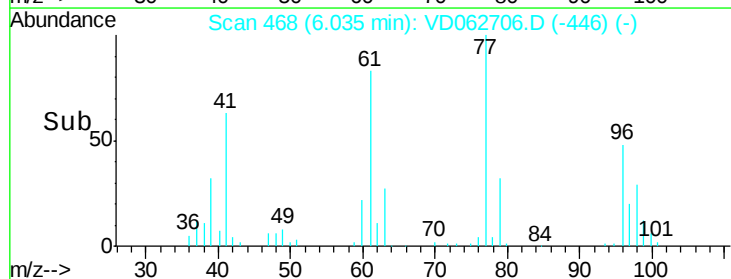
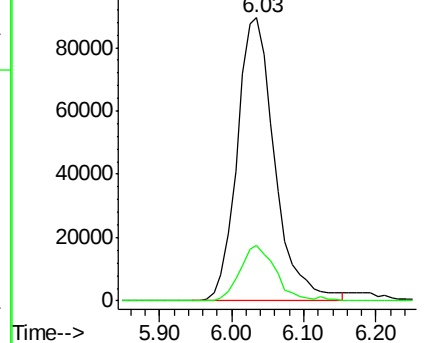
77 100

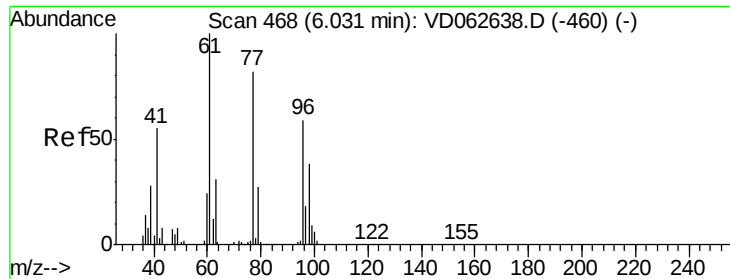
97 19.7 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



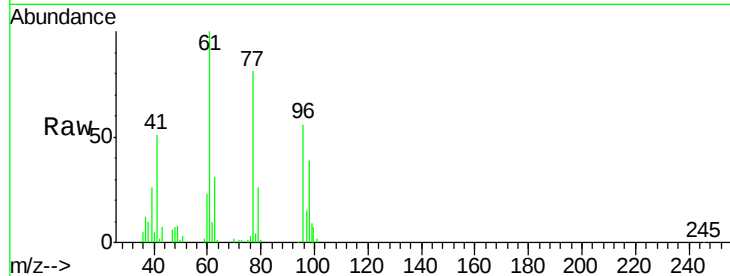


#27

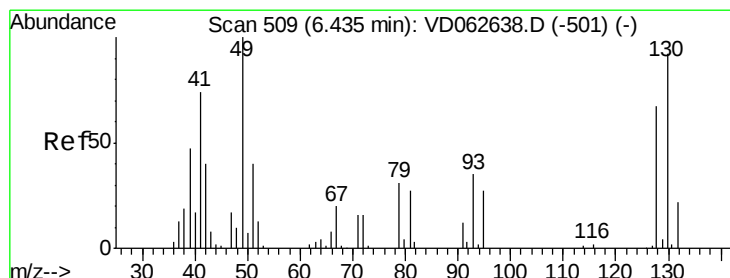
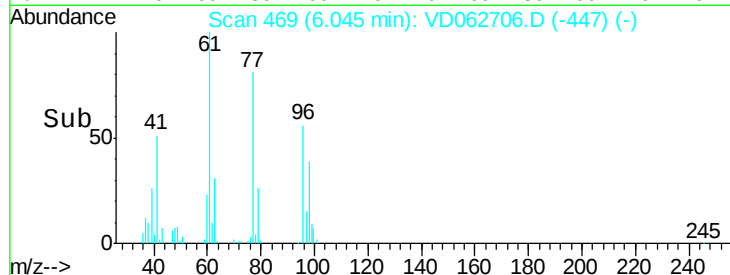
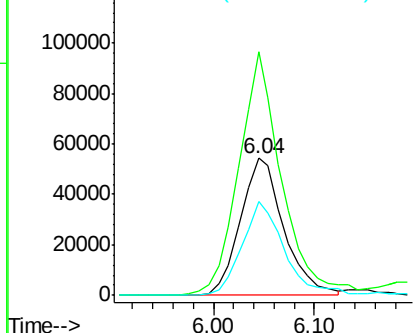
cis-1,2-Dichloroethene
 Concen: 21.058 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBSD01

Tot Ion: 96 Resp: 162761
 Ion Ratio Lower Upper
 96 100
 61 177.9 0.0 340.0
 98 69.0 0.0 127.6



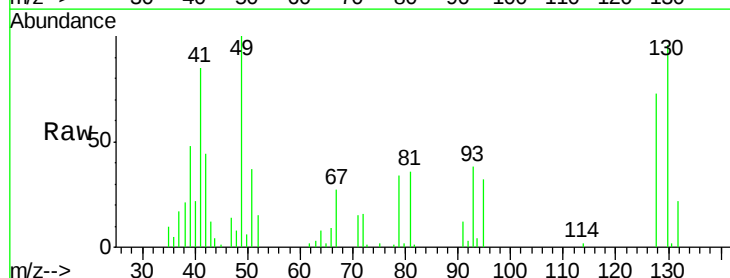
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



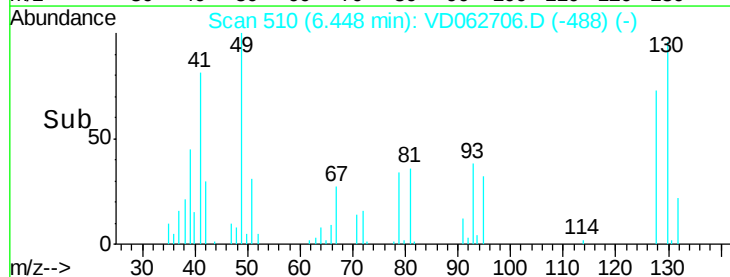
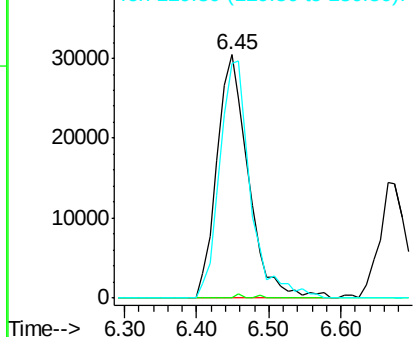
#28

Bromochloromethane
 Concen: 18.001 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

Tgt Ion: 49 Resp: 91863
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 8.2
 130 96.4 73.4 110.0



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





#29

Tetrahydrofuran

Concen: 118.713 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.02 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBS01

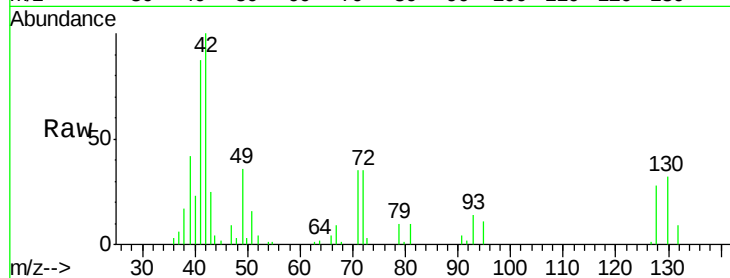
Tot Ion: 42 Resp: 101346

Ion Ratio Lower Upper

42 100

72 39.0 33.8 50.6

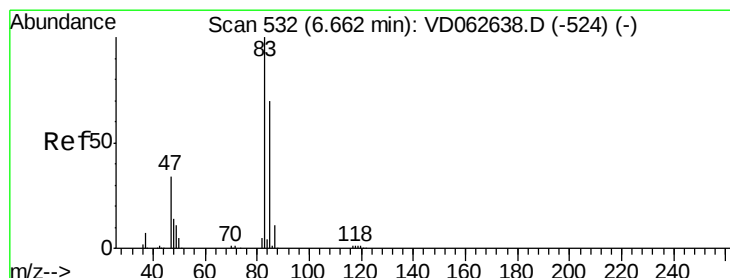
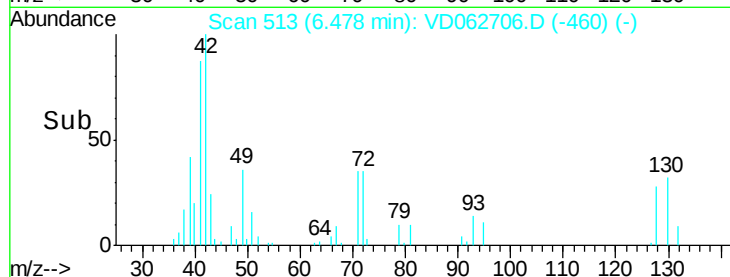
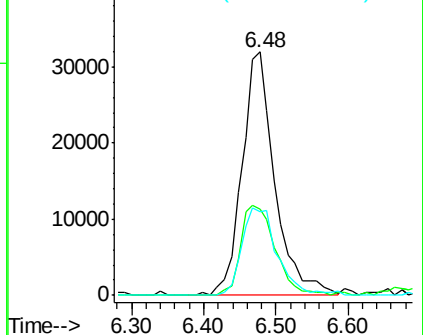
71 39.0 34.2 51.4



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: 22.055 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD062706.D

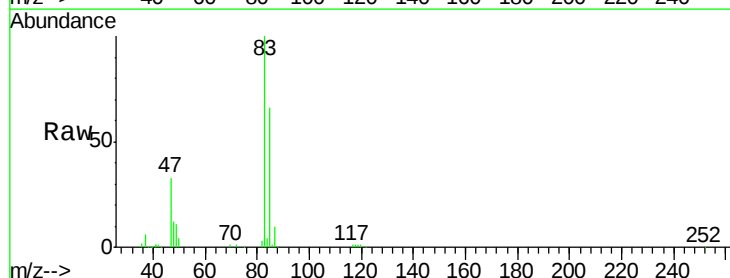
Acq: 14 Jun 2019 13:02

Tgt Ion: 83 Resp: 377773

Ion Ratio Lower Upper

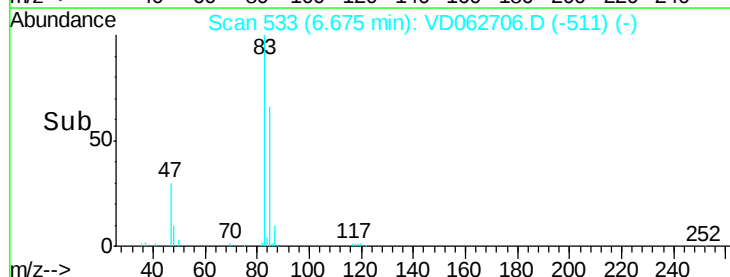
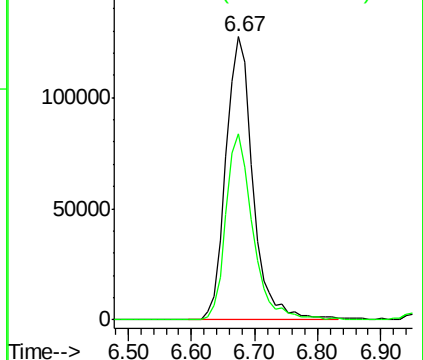
83 100

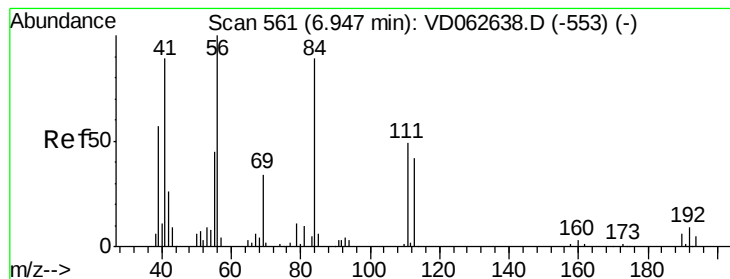
85 65.8 55.8 83.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 20.177 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

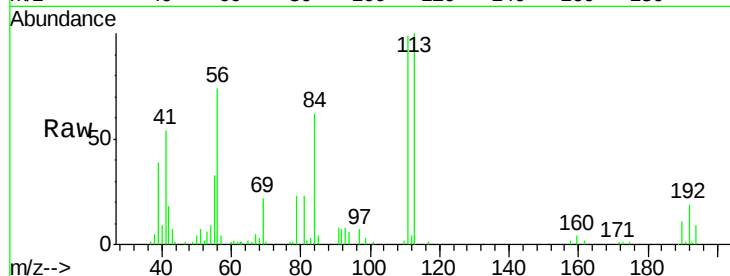
Tot Ion: 56 Resp: 168968

Ion Ratio Lower Upper

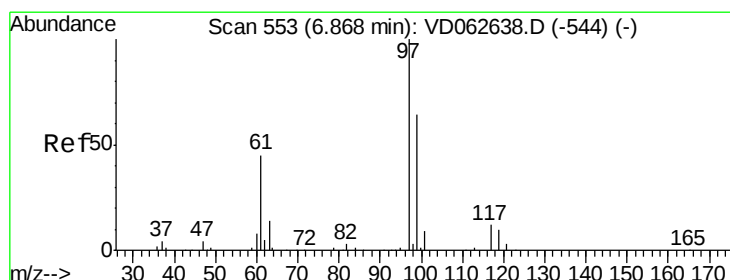
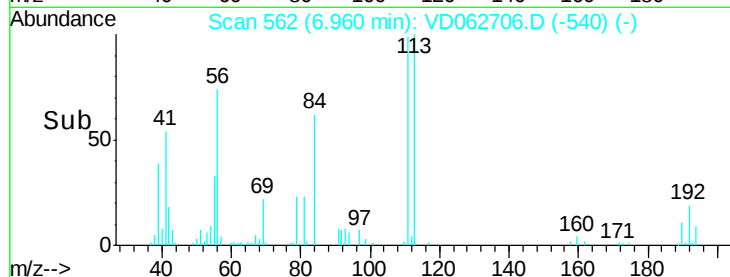
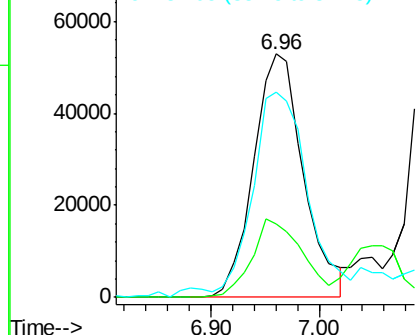
56 100

69 30.2 26.8 40.2

84 84.5 73.9 110.9



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



#32

1,1,1-Trichloroethane

Concen: 21.602 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

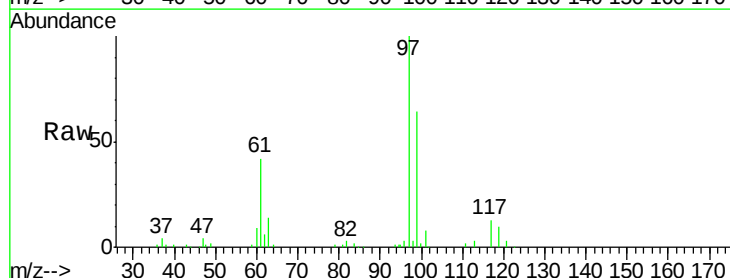
Tgt Ion: 97 Resp: 368182

Ion Ratio Lower Upper

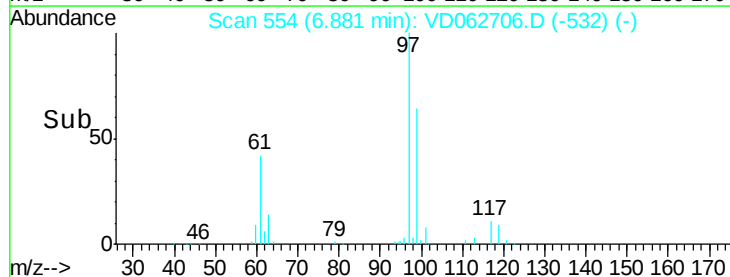
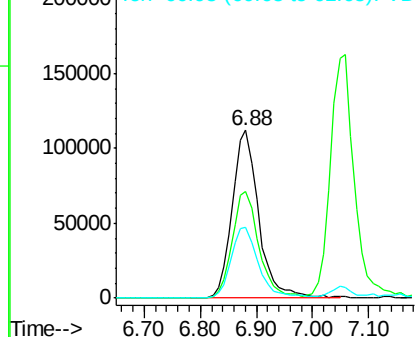
97 100

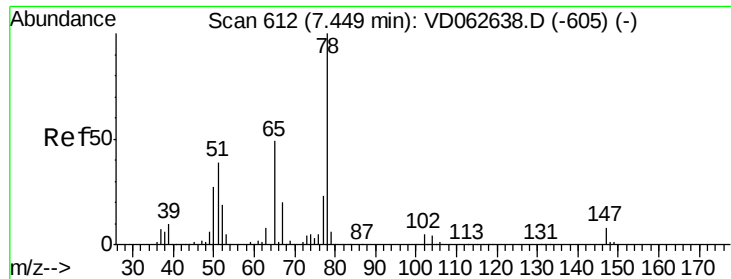
99 63.7 51.4 77.0

61 42.2 35.6 53.4



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: 52.345 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

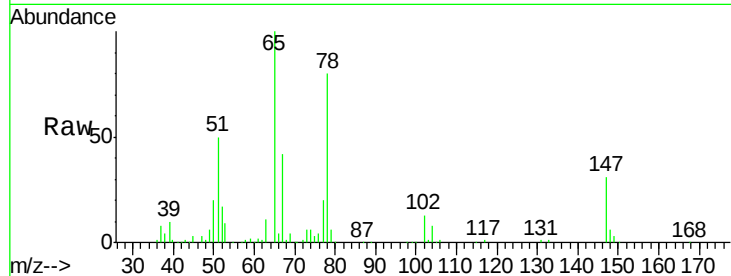
VD0614SBSD01

Tot Ion: 65 Resp: 555471

Ion Ratio Lower Upper

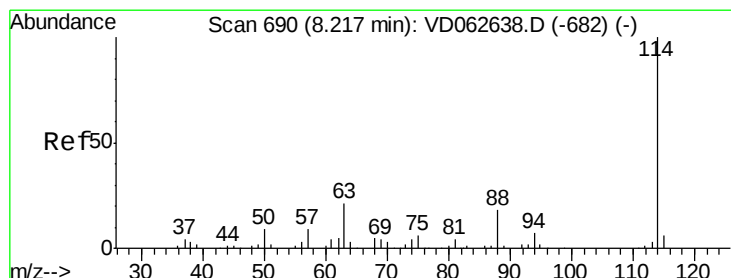
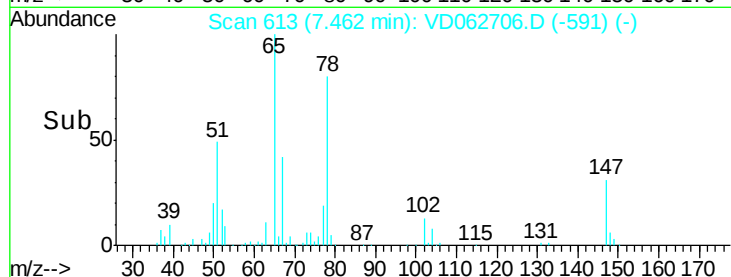
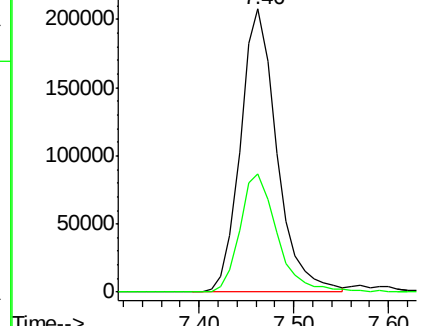
65 100

67 42.0 0.0 81.8



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. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

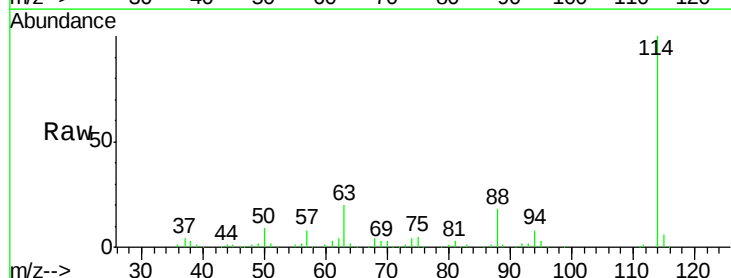
Tgt Ion: 114 Resp: 983838

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

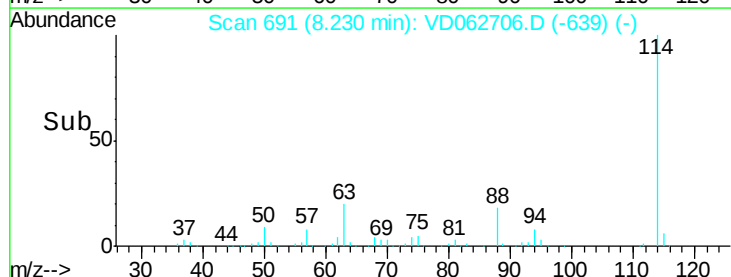
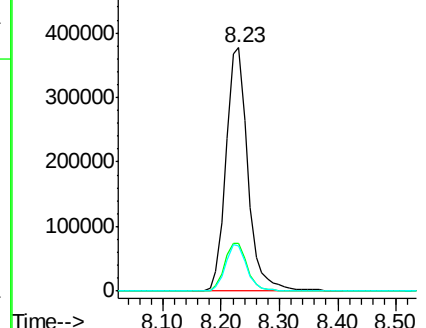
88 18.5 0.0 36.8

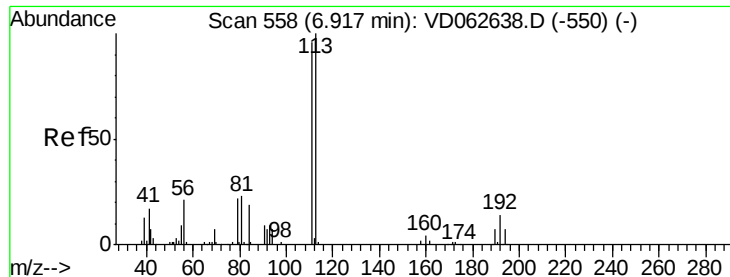


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 53.589 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

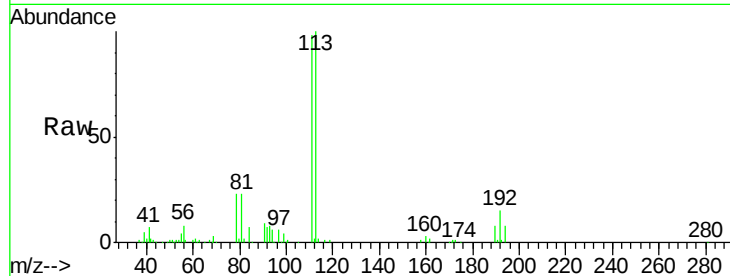
Tot Ion:113 Resp: 556032

Ion Ratio Lower Upper

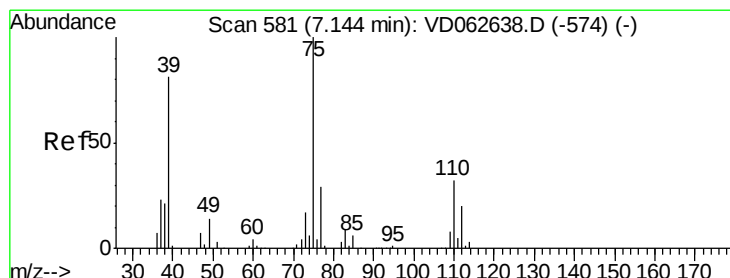
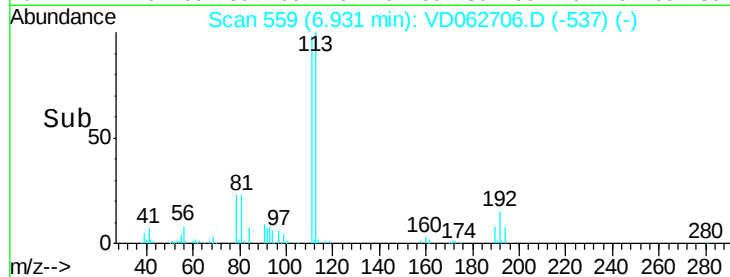
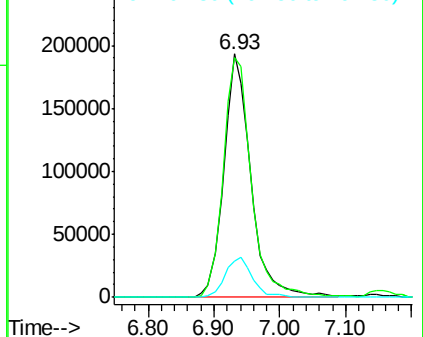
113 100

111 98.2 76.4 114.6

192 14.9 11.4 17.0



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: 20.698 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

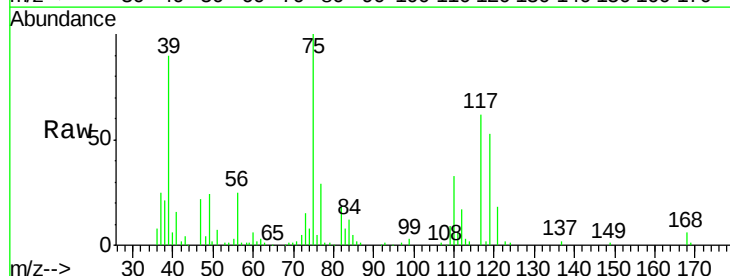
Tgt Ion: 75 Resp: 233057

Ion Ratio Lower Upper

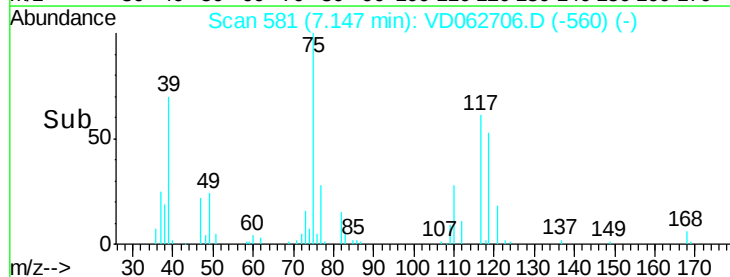
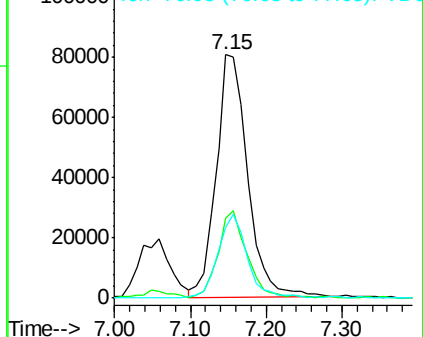
75 100

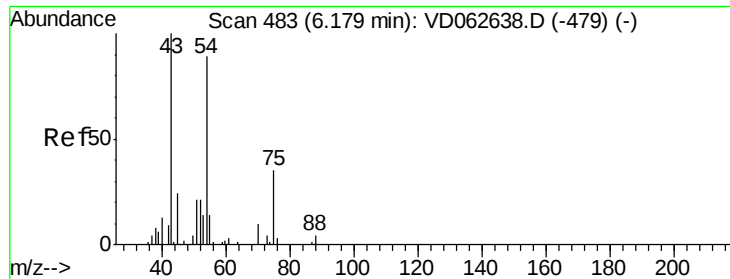
110 32.8 15.9 47.7

77 29.3 23.3 34.9



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

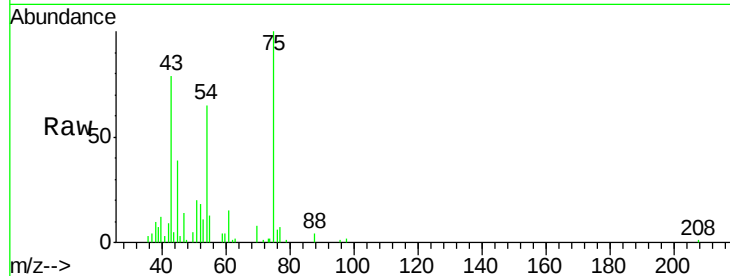




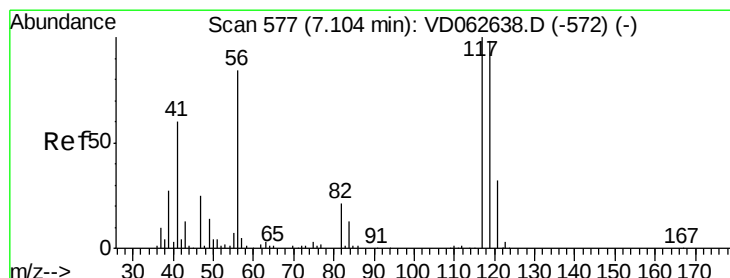
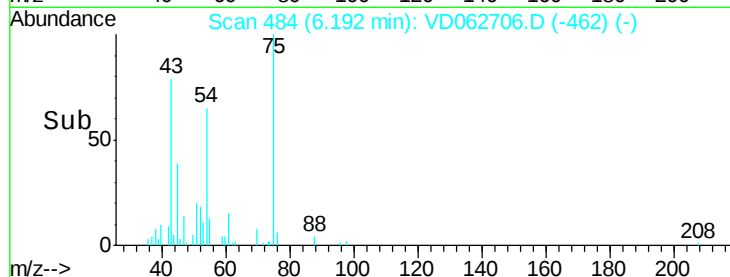
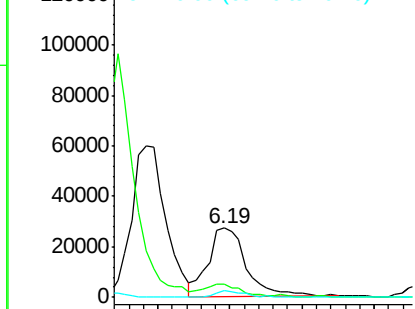
#37
Ethyl Acetate
Concen: 21.578 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBS01

Tot Ion: 43 Resp: 100238
Ion Ratio Lower Upper
43 100
61 18.8 8.7 13.1#
70 10.5 6.5 9.7#

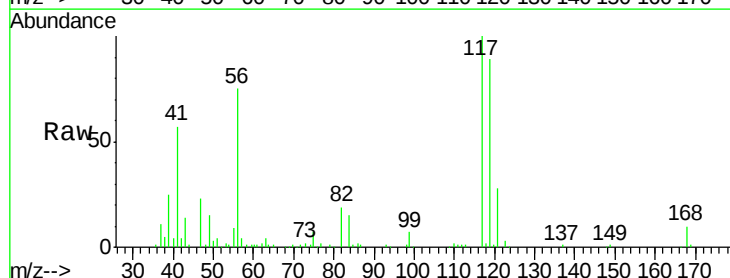


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

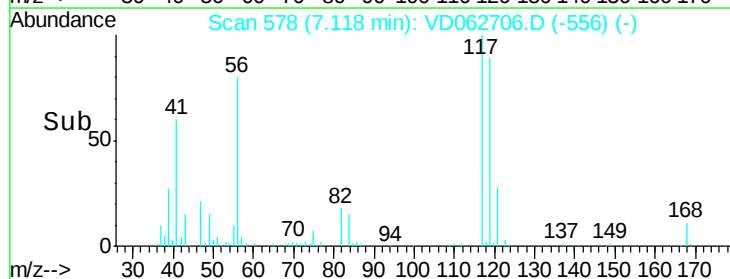
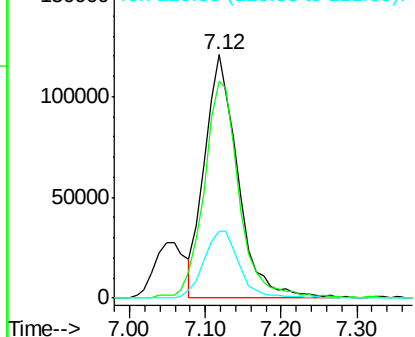


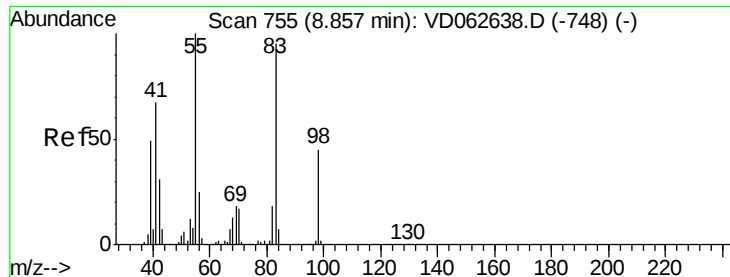
#38
Carbon Tetrachloride
Concen: 20.573 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion: 117 Resp: 366147
Ion Ratio Lower Upper
117 100
119 88.9 73.5 110.3
121 27.8 24.2 36.4



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

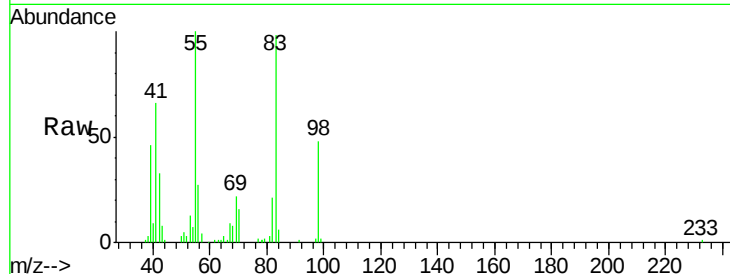




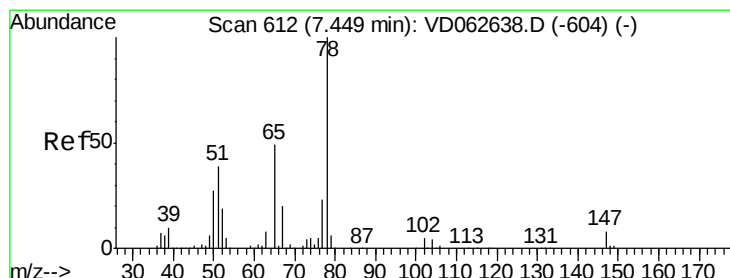
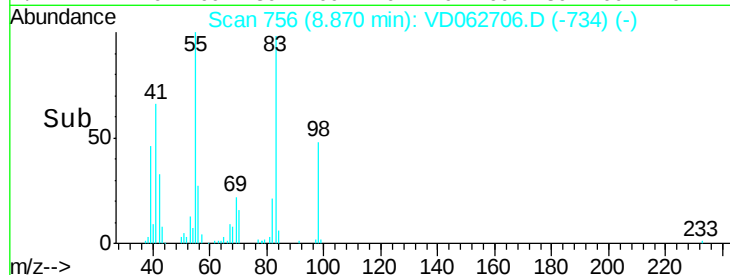
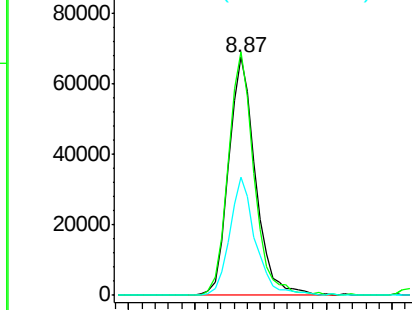
#39
Methvlcvclohexane
Concen: 21.099 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

Tot Ion: 83 Resp: 191984
Ion Ratio Lower Upper
83 100
55 102.3 84.6 127.0
98 49.5 38.2 57.4

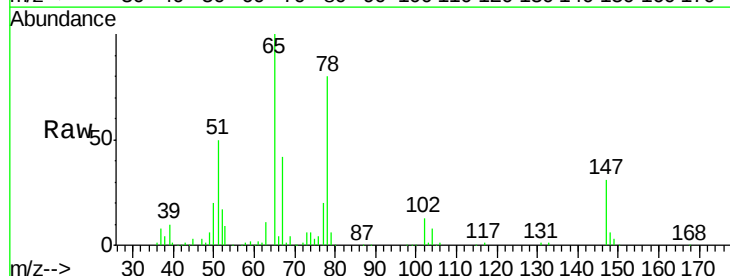


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

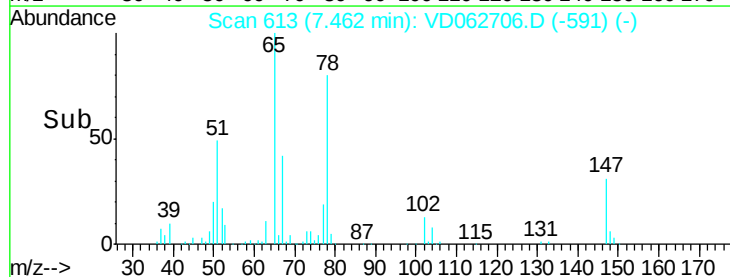
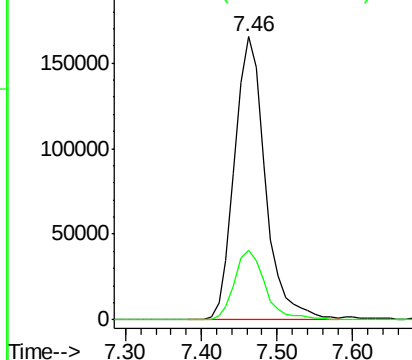


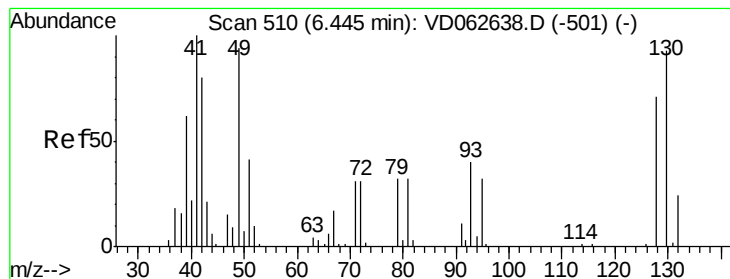
#40
Benzene
Concen: 21.172 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion: 78 Resp: 465569
Ion Ratio Lower Upper
78 100
77 24.8 18.6 28.0



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





#41

Methacrylonitrile

Concen: 22.064 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

Tot Ion: 41 Resp: 130053

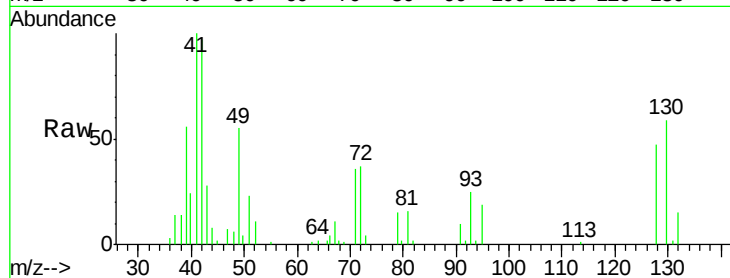
Ion Ratio Lower Upper

41 100

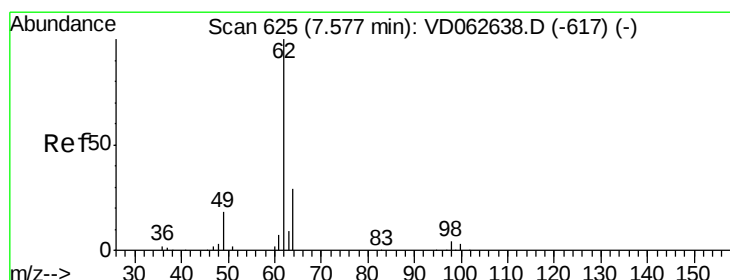
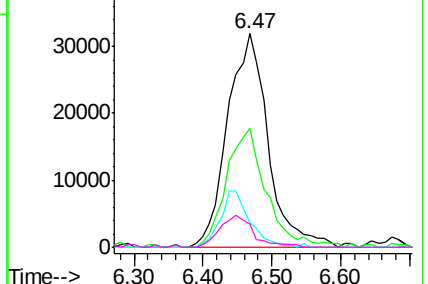
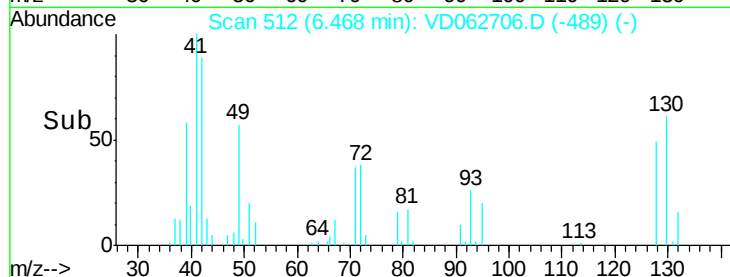
39 55.7 49.2 73.8

67 11.2 13.9 20.9#

52 10.6 7.6 11.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.250 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD062706.D

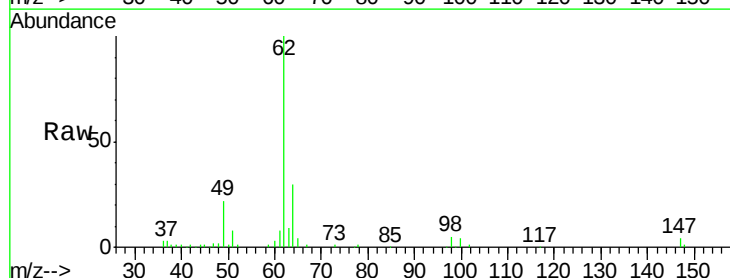
Acq: 14 Jun 2019 13:02

Tgt Ion: 62 Resp: 265415

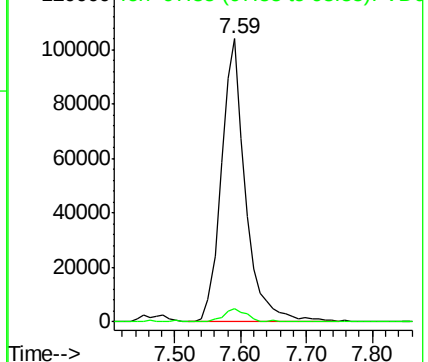
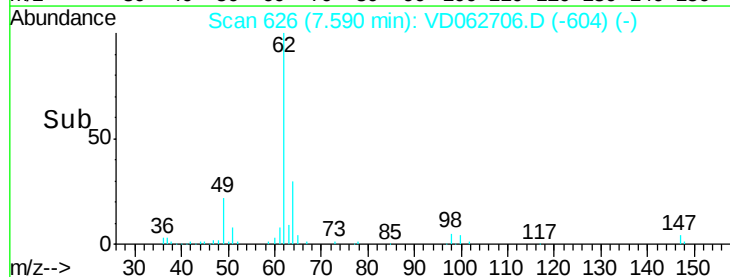
Ion Ratio Lower Upper

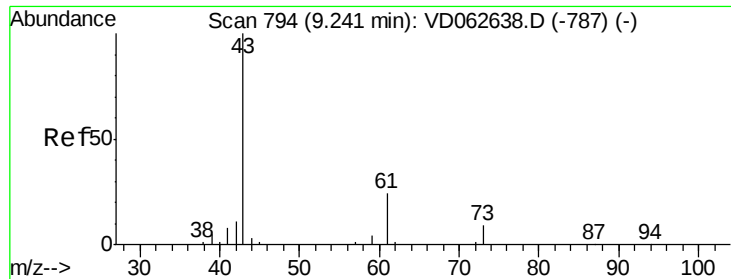
62 100

98 4.7 0.0 7.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.095 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

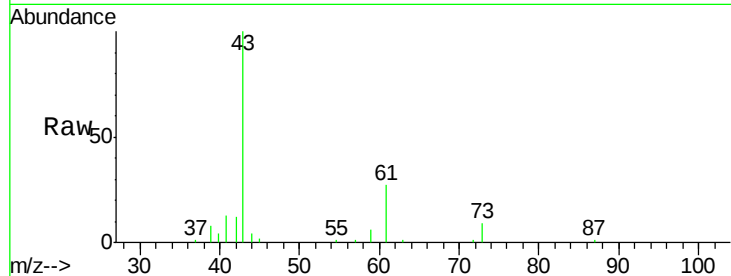
Tot Ion: 43 Resp: 125328

Ion Ratio Lower Upper

43 100

61 26.5 19.0 28.6

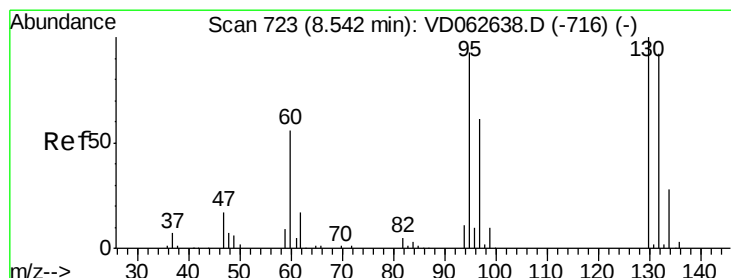
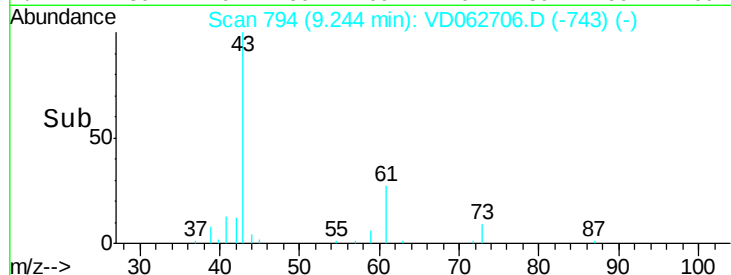
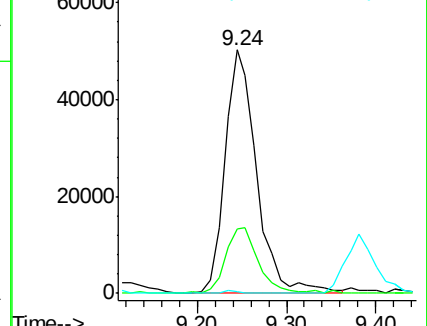
87 0.9 0.3 0.5#



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: 20.186 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD062706.D

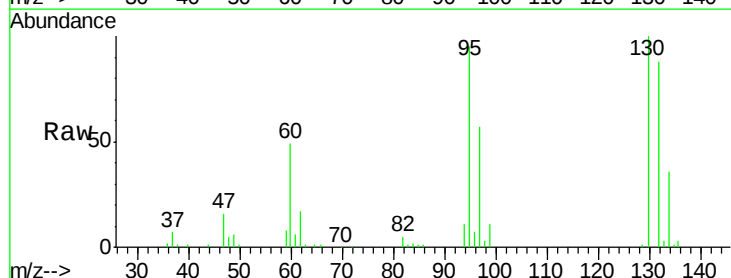
Acq: 14 Jun 2019 13:02

Tgt Ion:130 Resp: 180207

Ion Ratio Lower Upper

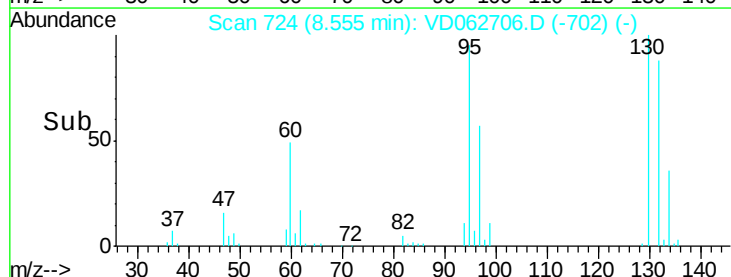
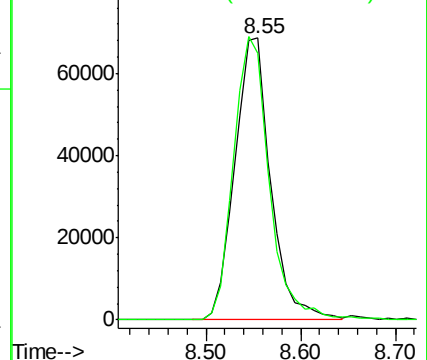
130 100

95 94.6 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.671 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

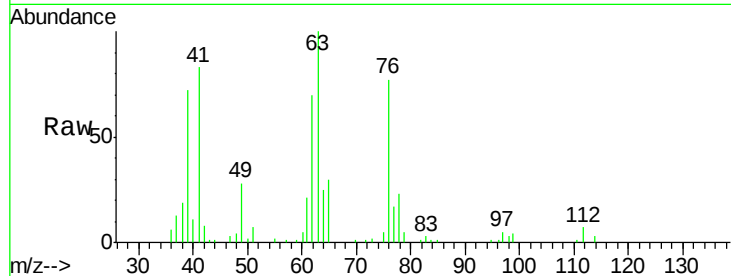
VD0614SBSD01

Tot Ion: 63 Resp: 119746

Ion Ratio Lower Upper

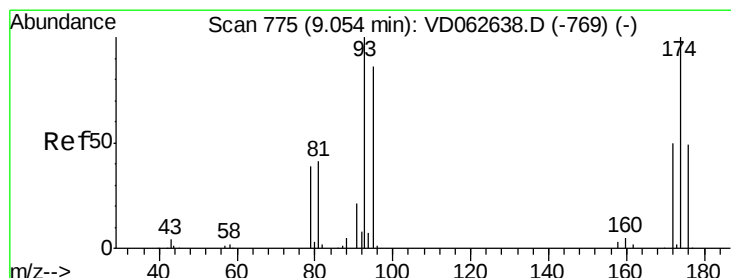
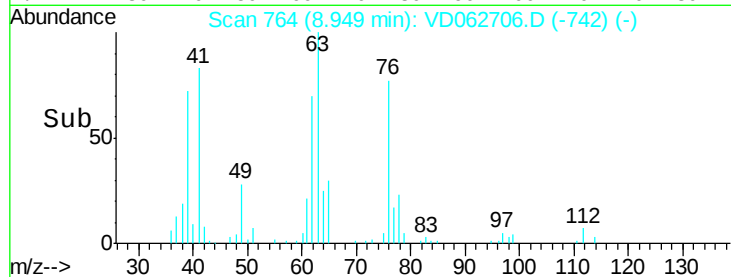
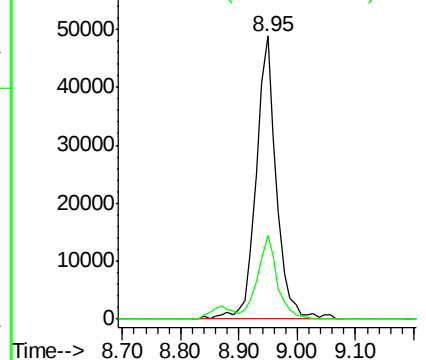
63 100

65 29.7 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.128 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

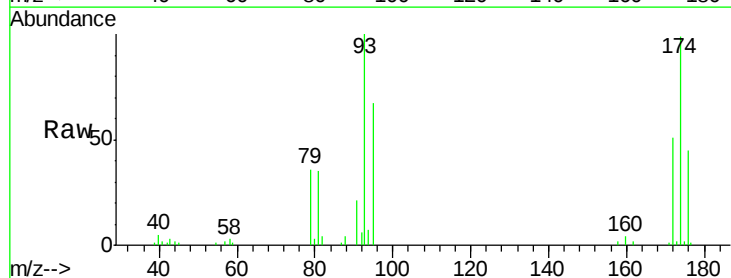
Tgt Ion: 93 Resp: 103746

Ion Ratio Lower Upper

93 100

95 66.5 68.7 103.1#

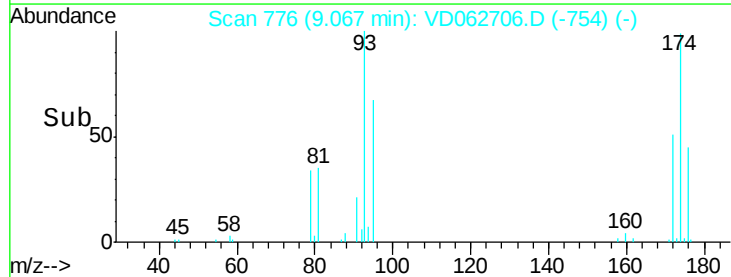
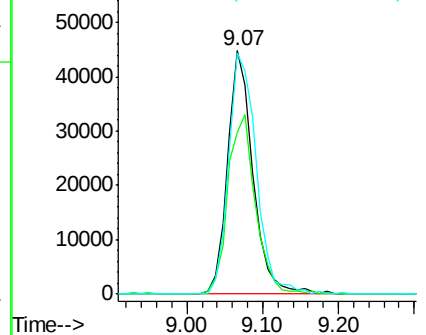
174 99.0 79.8 119.8

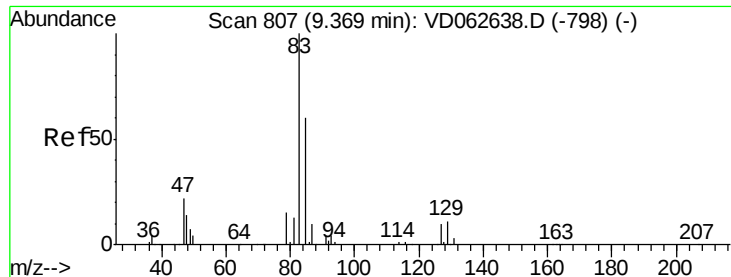


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.140 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

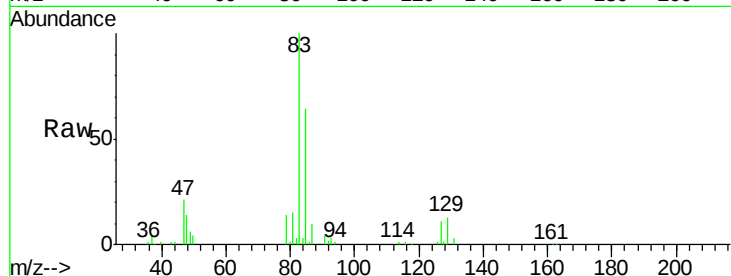
Tot Ion: 83 Resp: 282375

Ion Ratio Lower Upper

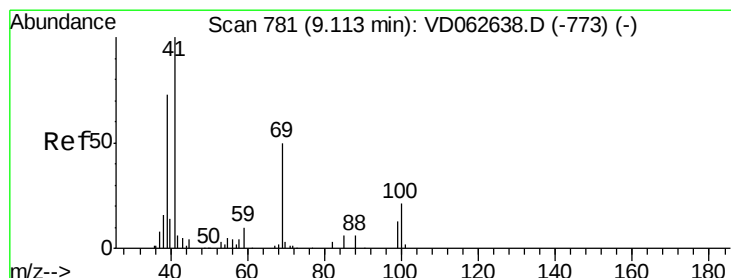
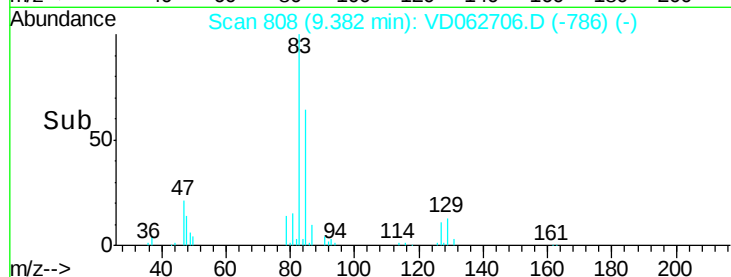
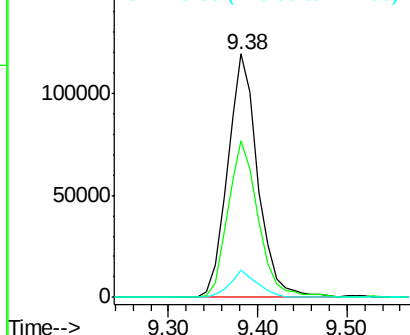
83 100

85 64.4 47.9 71.9

127 11.4 8.2 12.4



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: 20.564 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

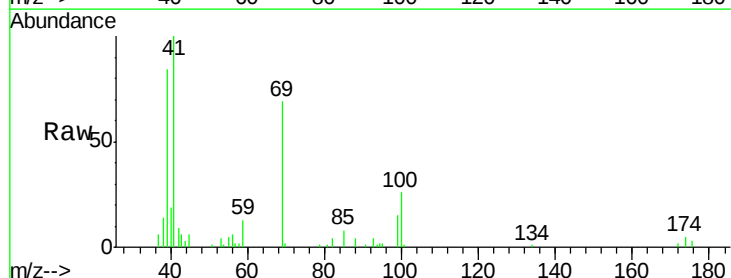
Tgt Ion: 41 Resp: 88267

Ion Ratio Lower Upper

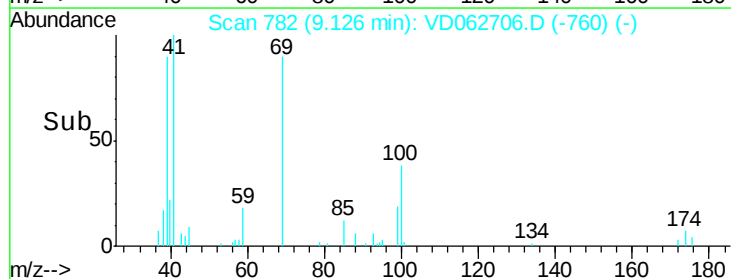
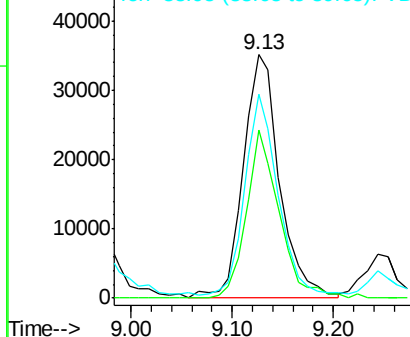
41 100

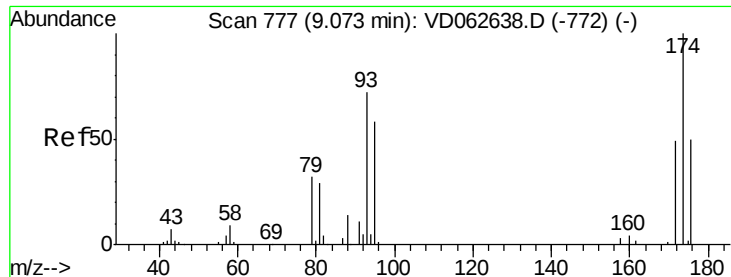
69 69.3 39.8 59.6#

39 84.0 59.1 88.7



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

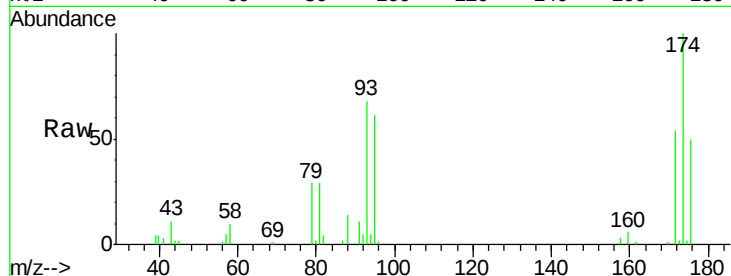




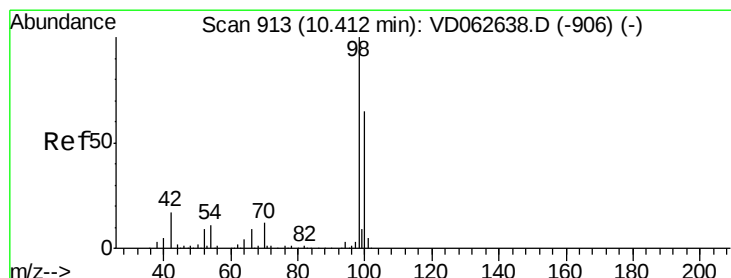
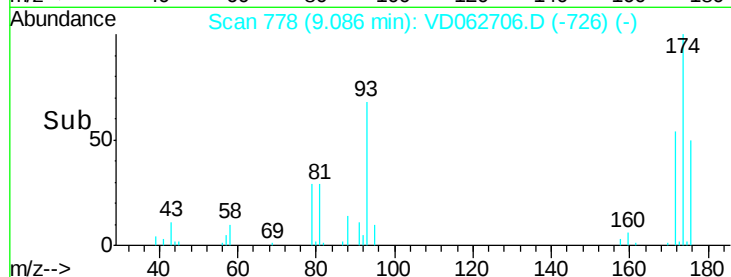
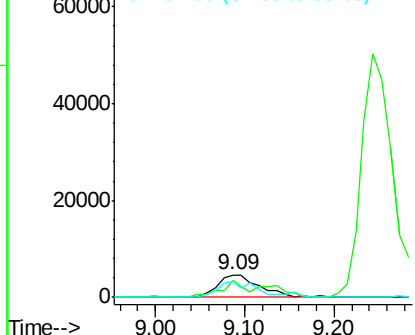
#49
1,4-Dioxane
Concen: 422.724 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

Tot Ion: 88 Resp: 15126
Ion Ratio Lower Upper
88 100
43 76.0 40.7 61.1#
58 69.8 54.2 81.4

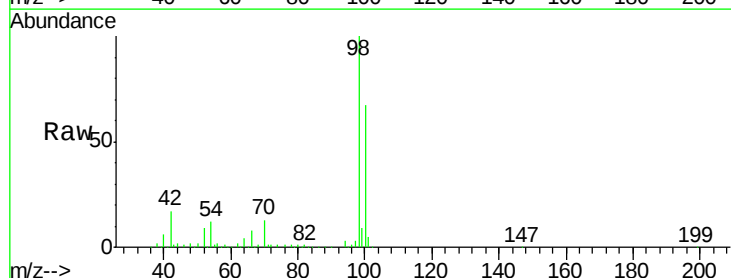


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

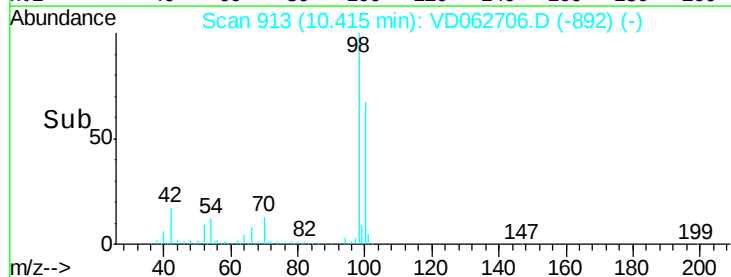
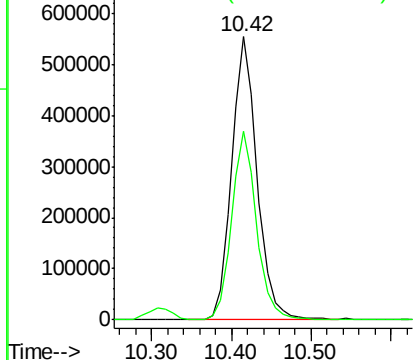


#50
Toluene-d8
Concen: 56.478 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion: 98 Resp: 1232762
Ion Ratio Lower Upper
98 100
100 66.7 52.1 78.1



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: 108.811 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

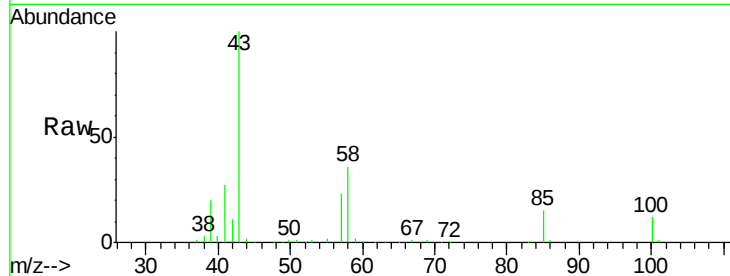
VD0614SBS01

Tot Ion: 43 Resp: 452351

Ion Ratio Lower Upper

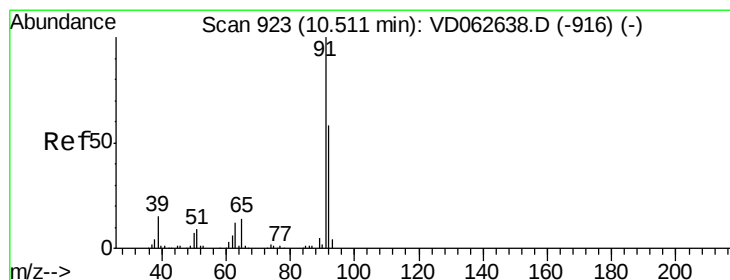
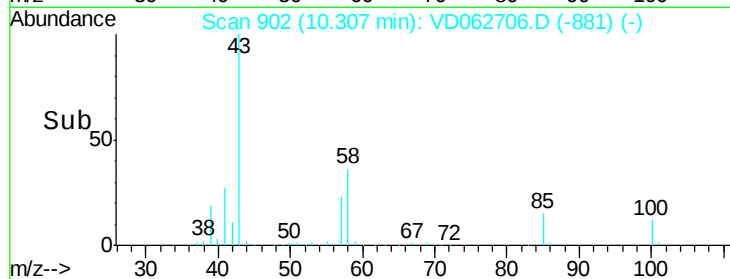
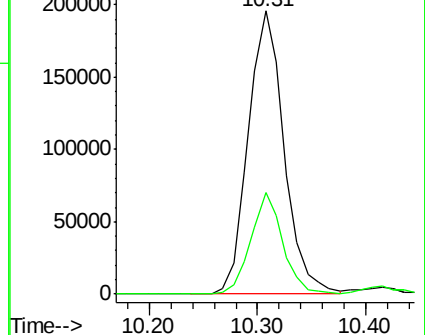
43 100

58 35.8 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.219 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD062706.D

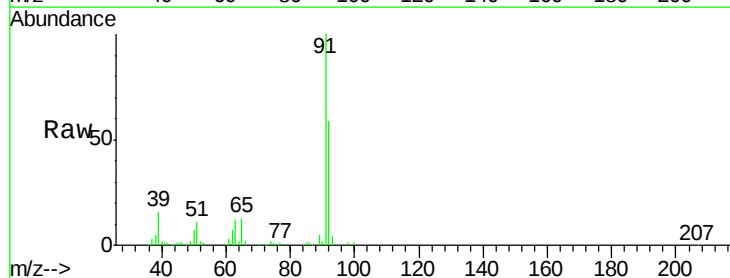
Acq: 14 Jun 2019 13:02

Tgt Ion: 92 Resp: 313637

Ion Ratio Lower Upper

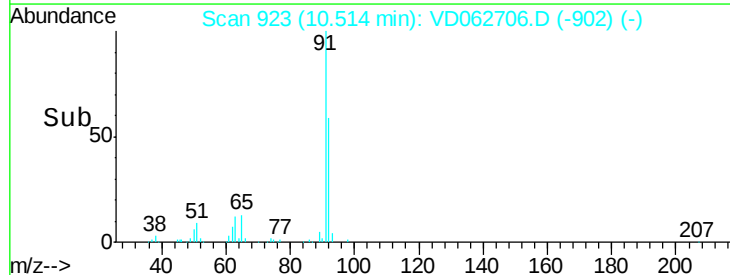
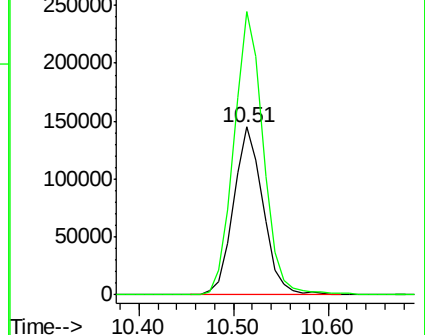
92 100

91 168.4 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

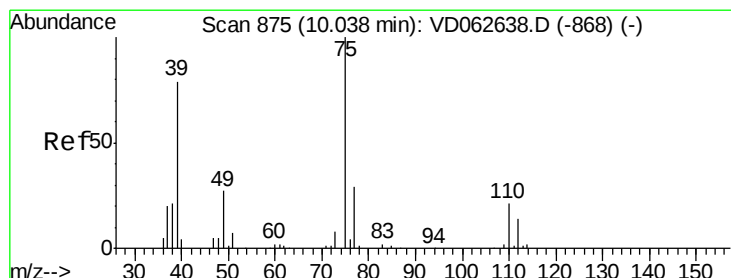
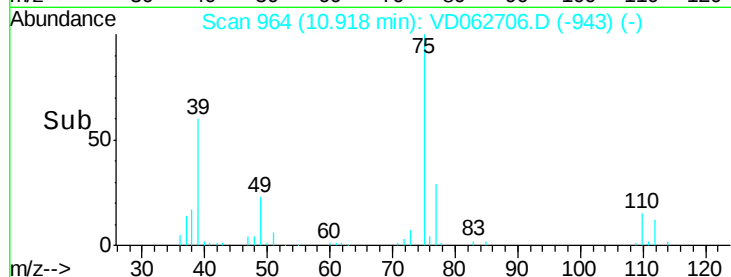
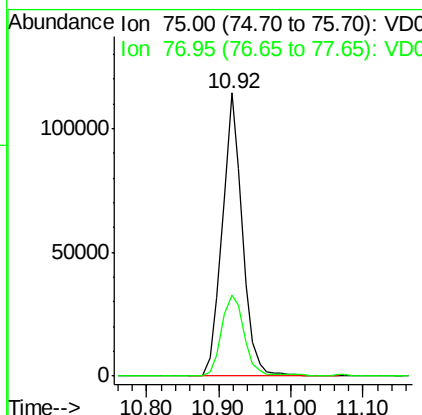
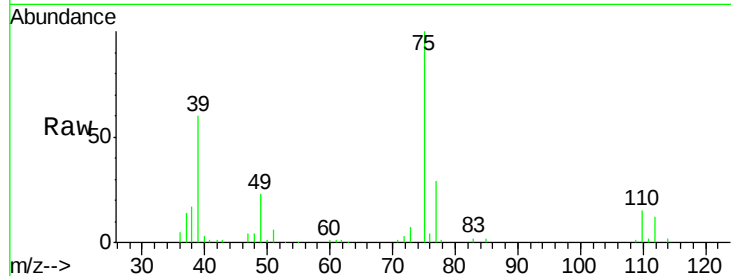




#53
t-1,3-Dichloropropene
Concen: 21.006 ug/l
RT: 10.92 min Scan# 964
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

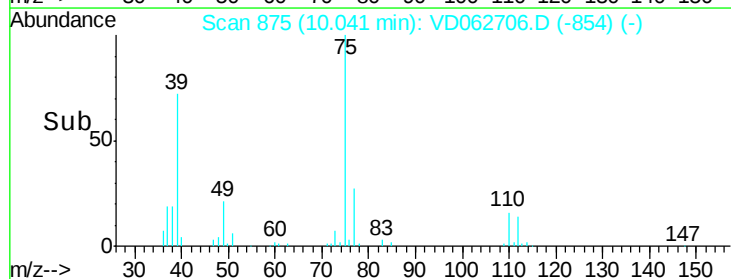
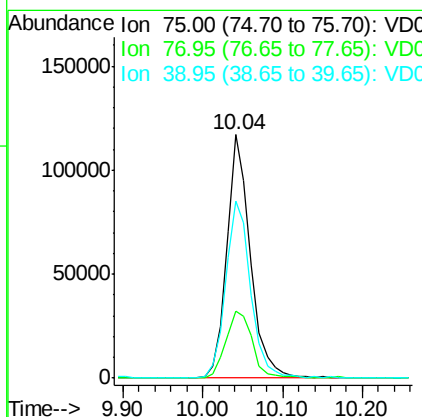
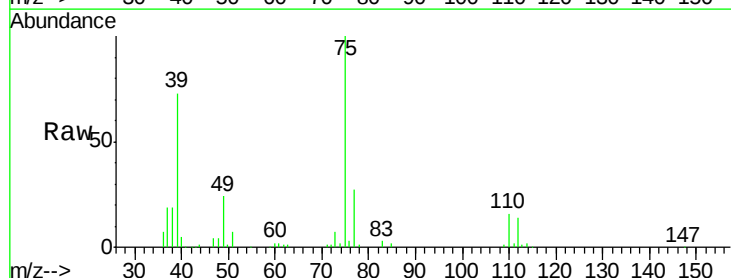
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

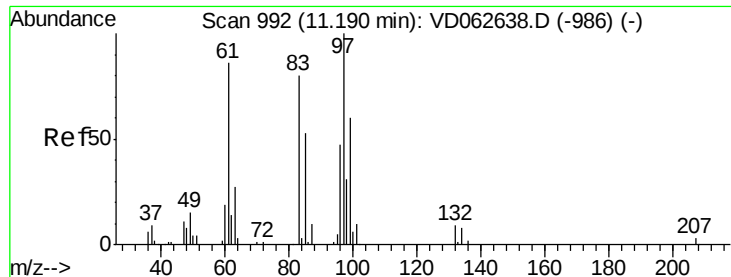
Tot Ion: 75 Resp: 219658
Ion Ratio Lower Upper
75 100
77 28.7 24.1 36.1



#54
cis-1,3-Dichloropropene
Concen: 22.529 ug/l
RT: 10.04 min Scan# 875
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion: 75 Resp: 243485
Ion Ratio Lower Upper
75 100
77 27.4 23.1 34.7
39 72.6 63.4 95.2

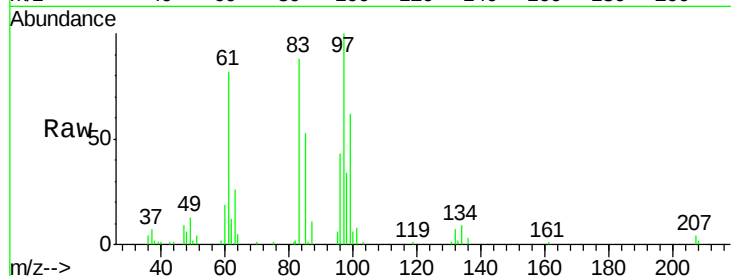




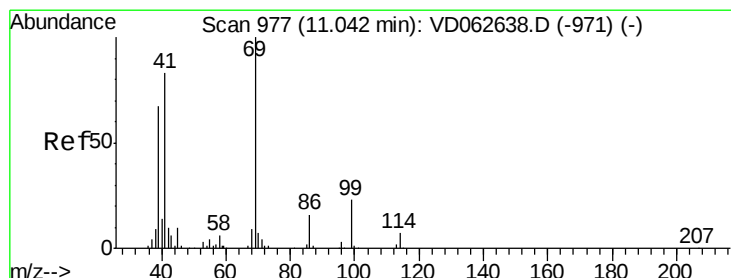
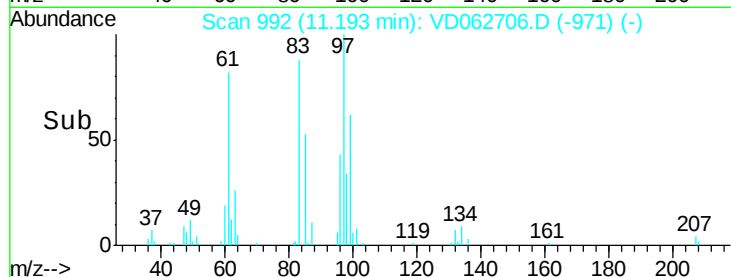
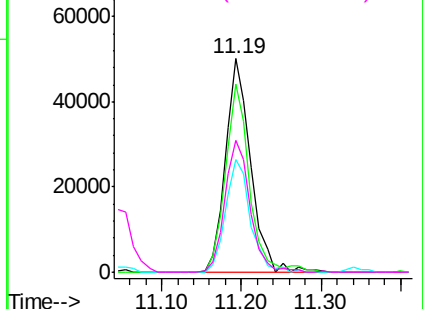
#55
 1,1,2-Trichloroethane
 Concen: 21.965 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBSD01

Tot Ion:	97	Resp:	111342
Ion	Ratio	Lower	Upper
97	100		
83	88.1	63.8	95.8
85	53.0	42.3	63.5
99	61.9	48.0	72.0

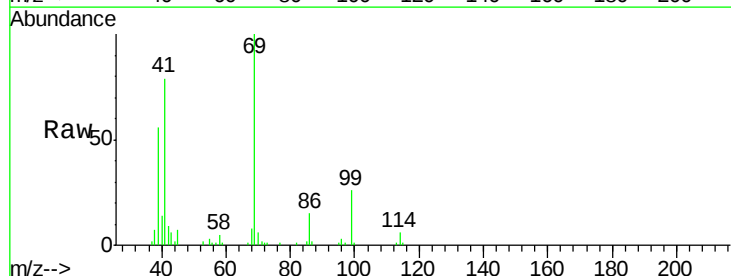


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

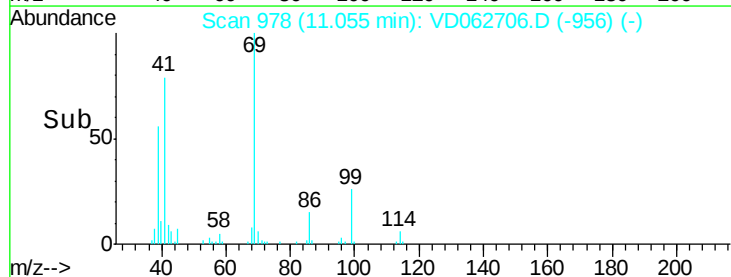
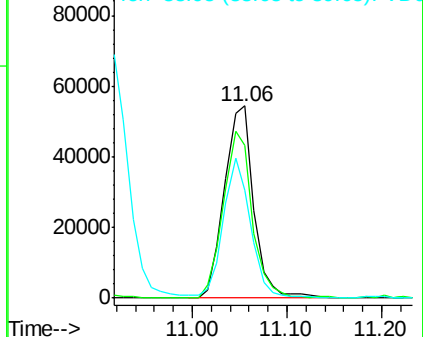


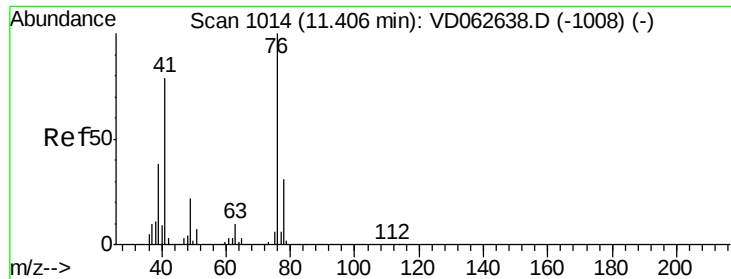
#56
 Ethyl methacrylate
 Concen: 21.555 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

Tgt Ion:	69	Resp:	116794
Ion	Ratio	Lower	Upper
69	100		
41	79.5	66.2	99.4
39	56.2	53.8	80.8



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

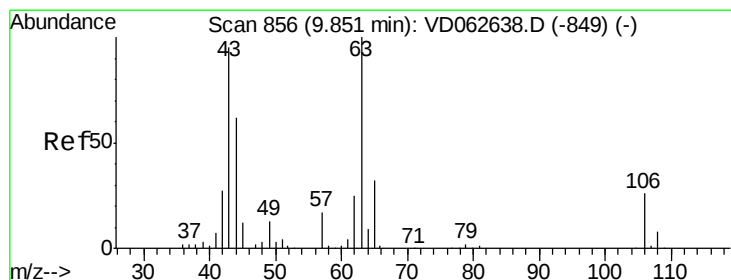
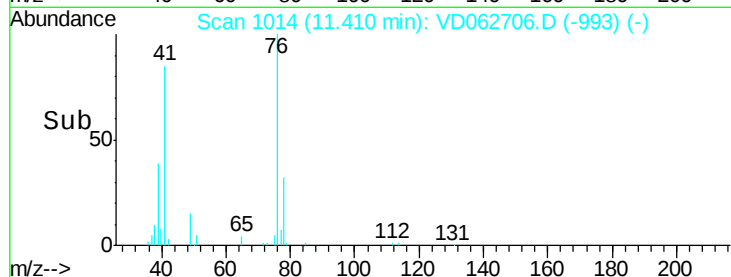
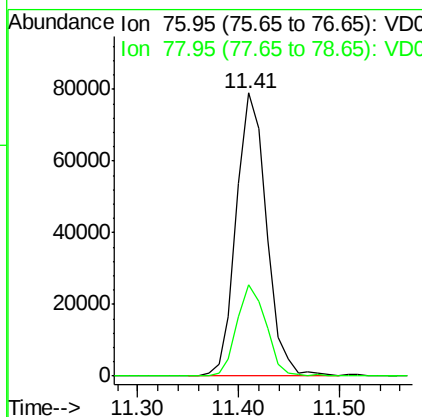
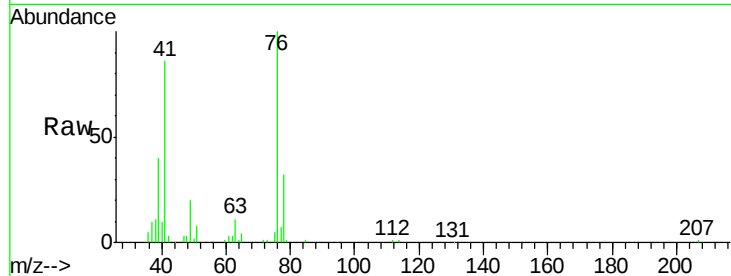




#57
 1,3-Dichloropropane
 Concen: 21.008 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

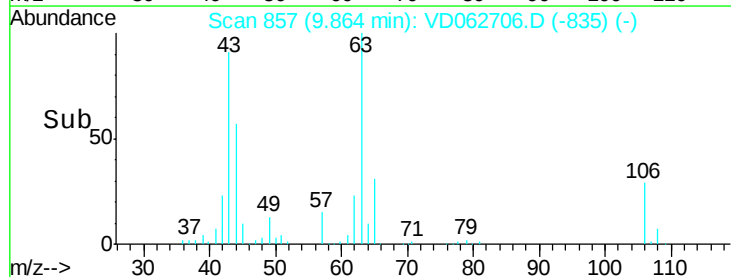
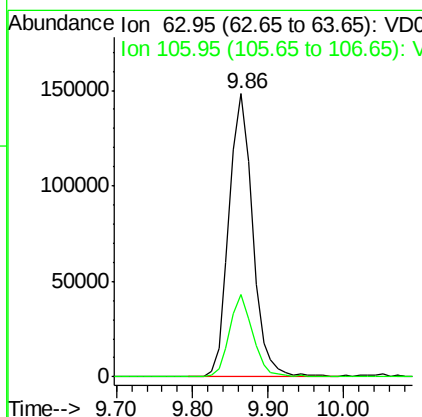
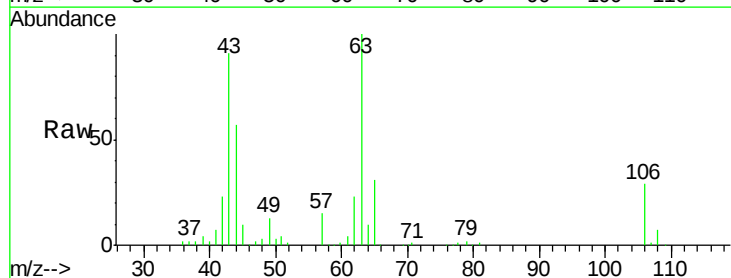
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBSD01

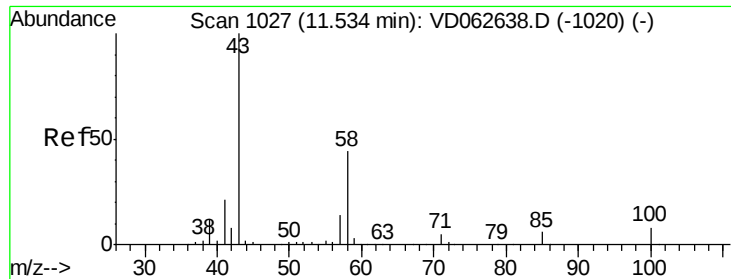
Tot Ion: 76 Resp: 165055
 Ion Ratio Lower Upper
 76 100
 78 32.2 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.608 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

Tgt Ion: 63 Resp: 321343
 Ion Ratio Lower Upper
 63 100
 106 29.1 20.5 30.7

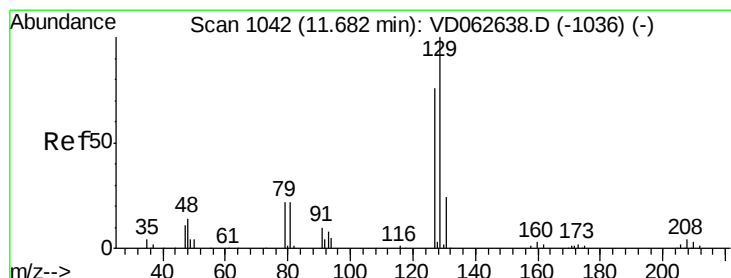
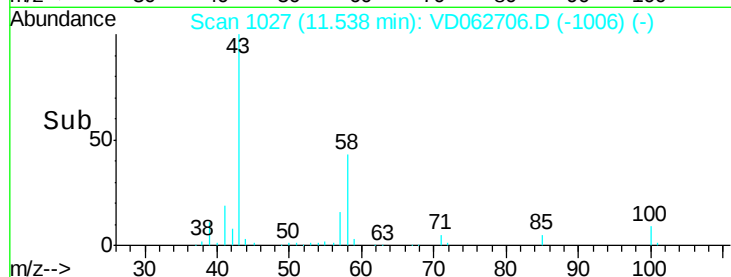
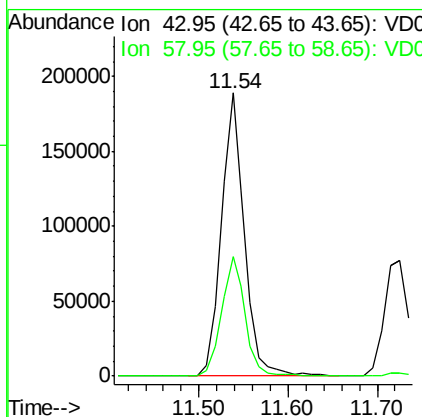
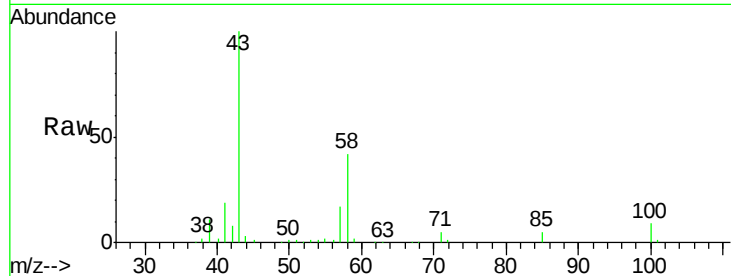




#59
2-Hexanone
Concen: 110.698 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

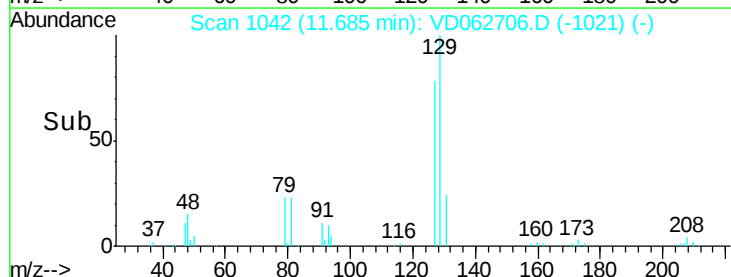
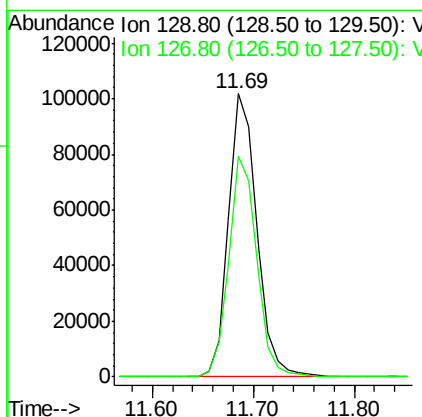
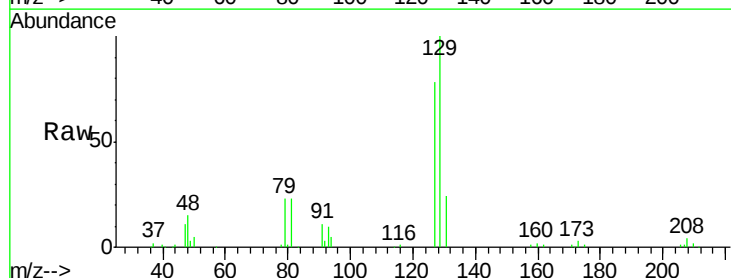
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

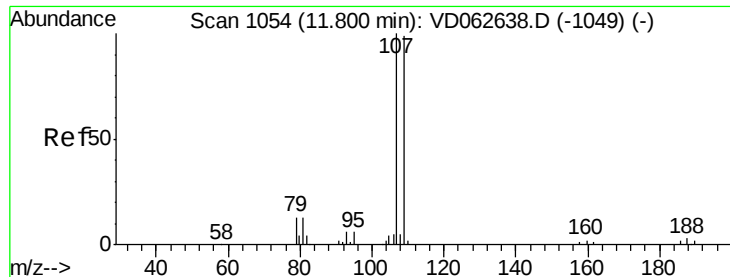
Tot Ion: 43 Resp: 342321
Ion Ratio Lower Upper
43 100
58 42.5 21.8 65.4



#60
Dibromochloromethane
Concen: 19.864 ug/l
RT: 11.69 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion: 129 Resp: 198765
Ion Ratio Lower Upper
129 100
127 77.9 38.0 114.1

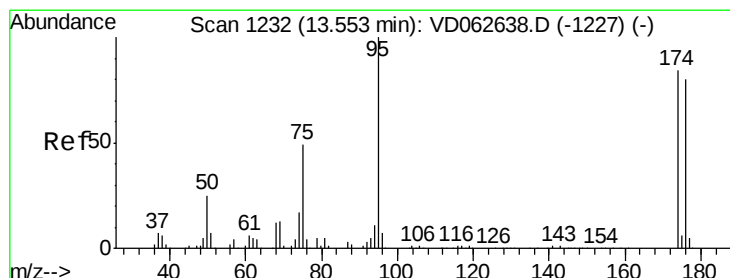
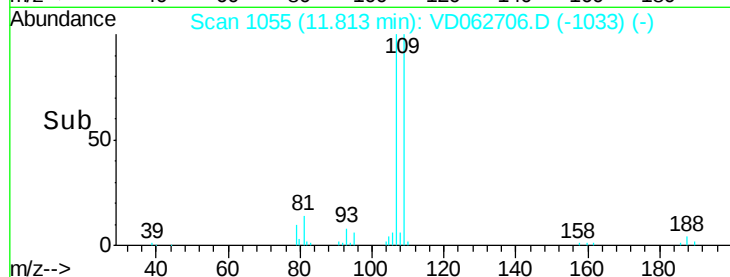
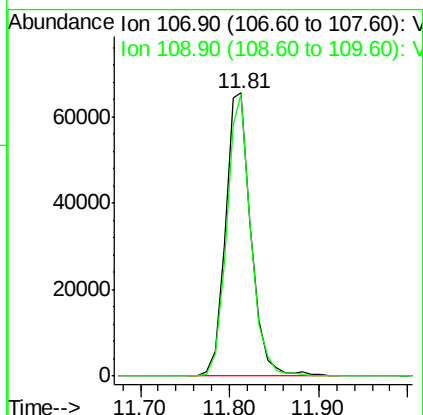
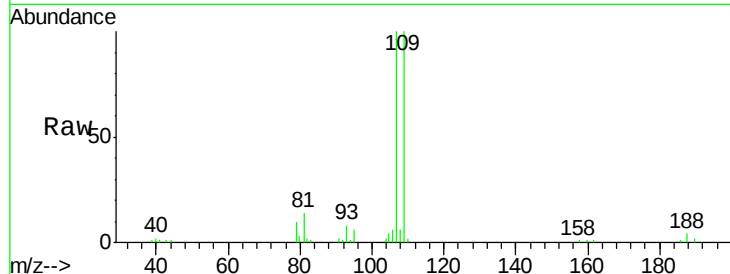




#61
 1,2-Dibromoethane
 Concen: 21.805 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

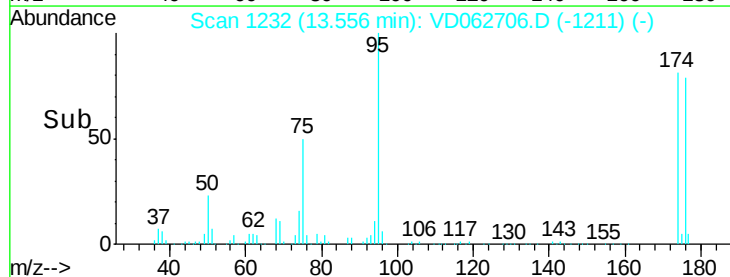
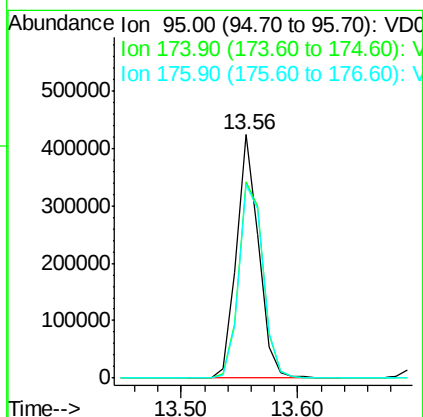
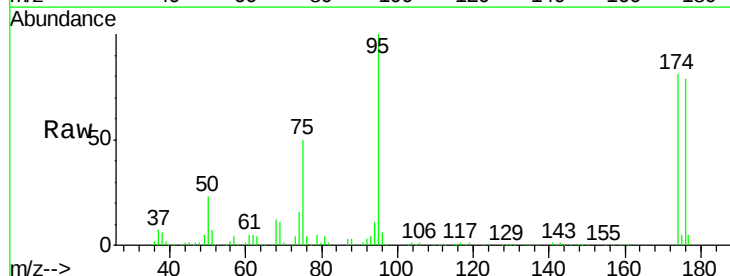
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBSD01

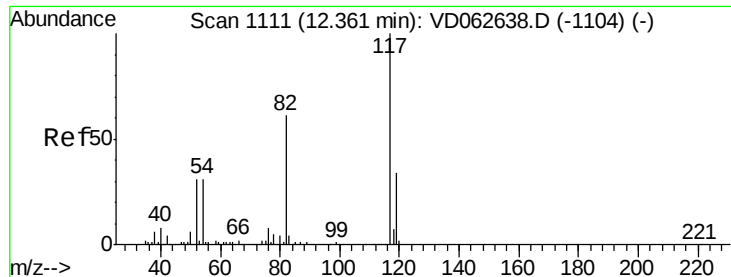
Tot Ion:107 Resp: 132286
 Ion Ratio Lower Upper
 107 100
 109 99.7 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 54.735 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

Tgt Ion: 95 Resp: 557374
 Ion Ratio Lower Upper
 95 100
 174 80.8 0.0 167.0
 176 79.5 0.0 159.2

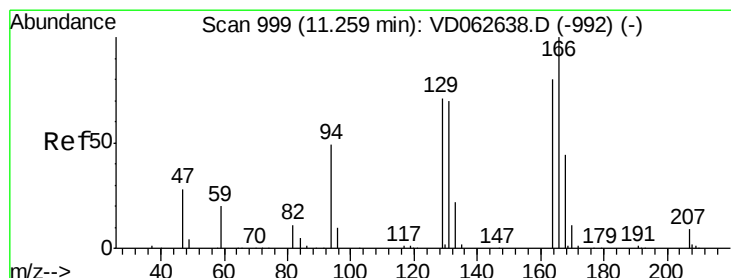
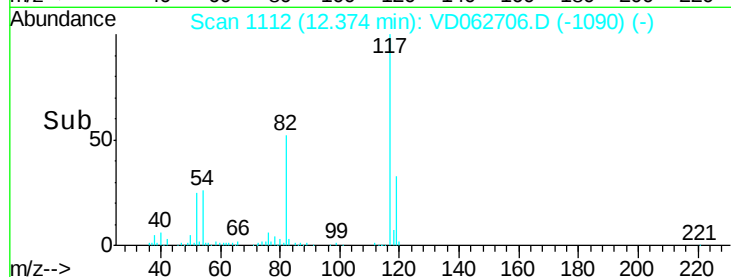
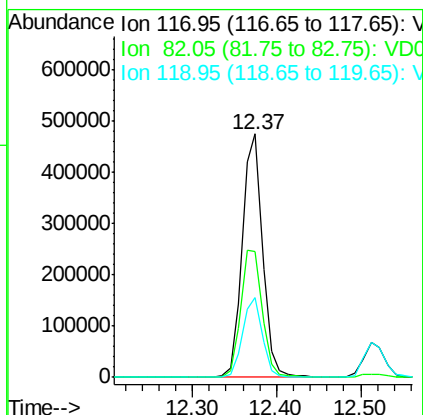
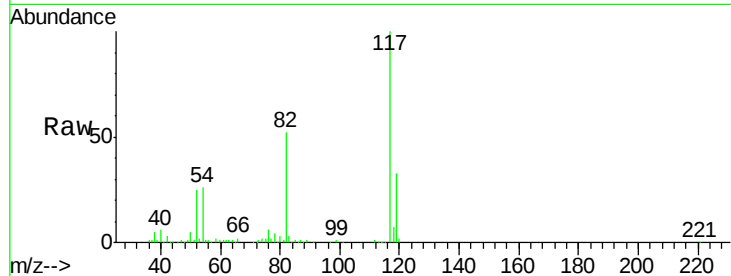




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

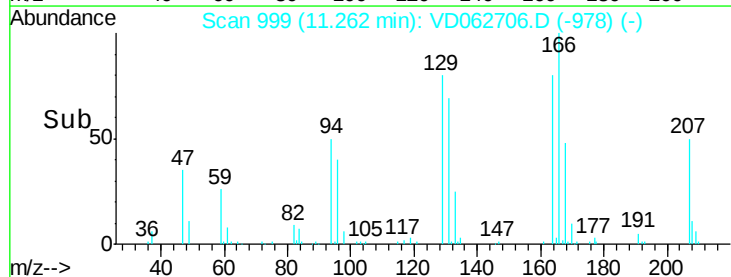
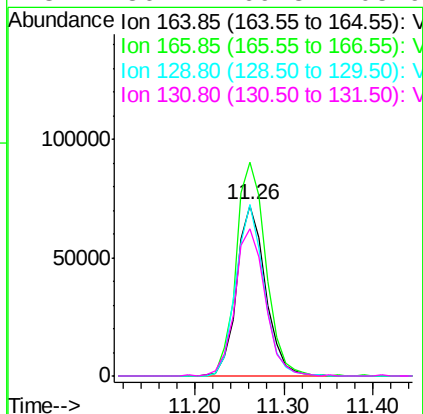
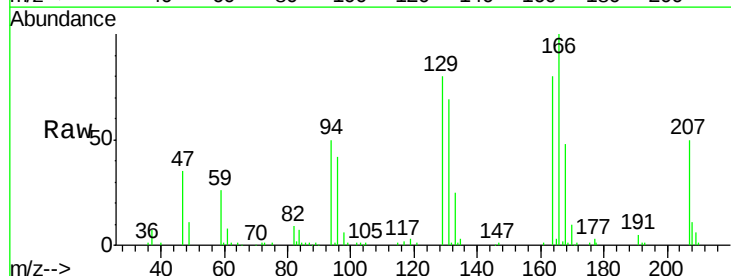
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

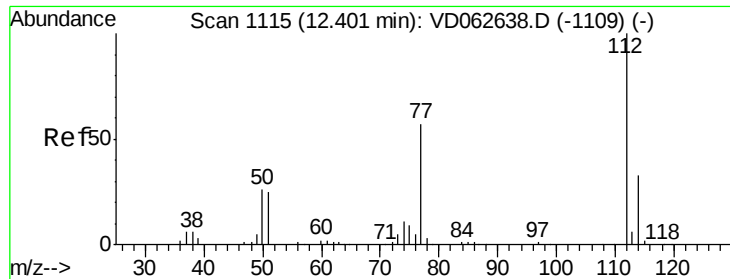
Tot Ion:117 Resp: 801188
Ion Ratio Lower Upper
117 100
82 51.5 48.7 73.1
119 32.8 27.0 40.6



#64
Tetrachloroethene
Concen: 21.618 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion:164 Resp: 162133
Ion Ratio Lower Upper
164 100
166 125.0 99.4 149.2
129 100.3 70.2 105.4
131 86.4 69.3 103.9

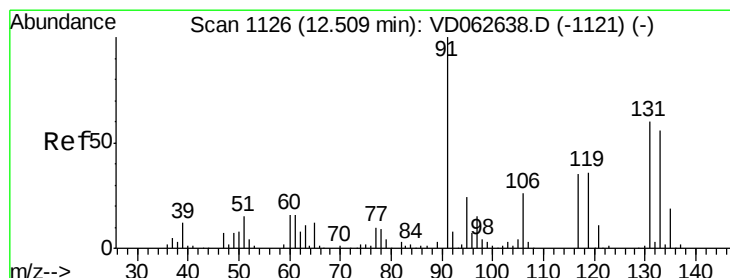
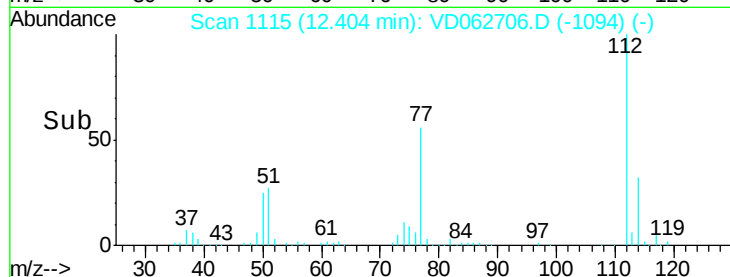
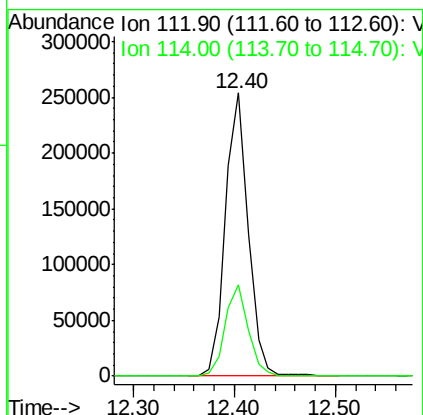
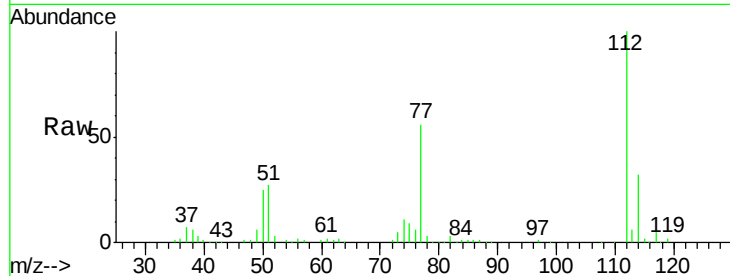




#65
Chlorobenzene
Concen: 22.544 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

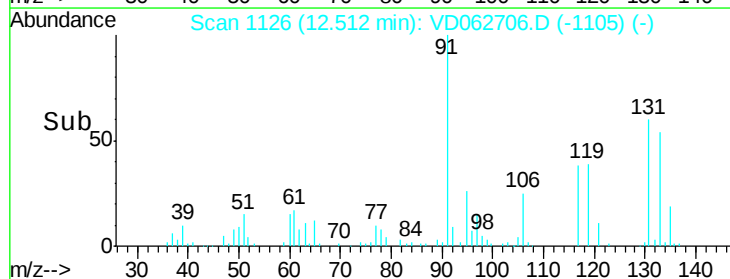
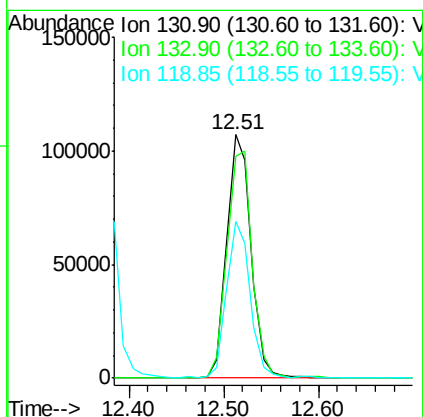
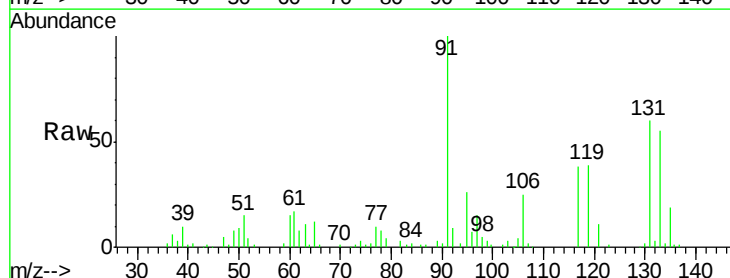
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

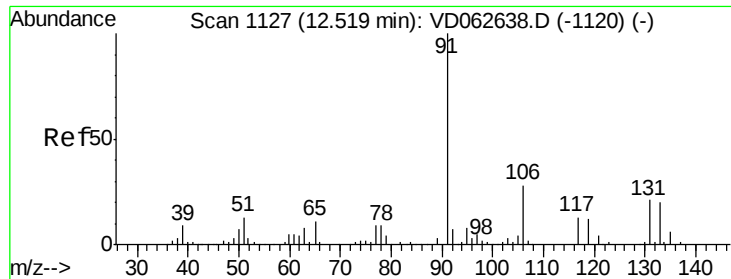
Tot Ion:112 Resp: 399519
Ion Ratio Lower Upper
112 100
114 32.1 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 22.377 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion:131 Resp: 189133
Ion Ratio Lower Upper
131 100
133 91.4 46.8 140.3
119 64.4 29.9 89.8

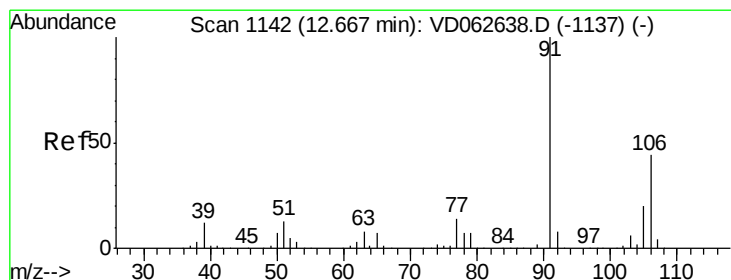
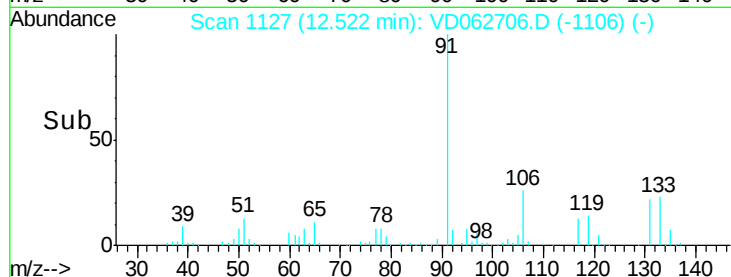
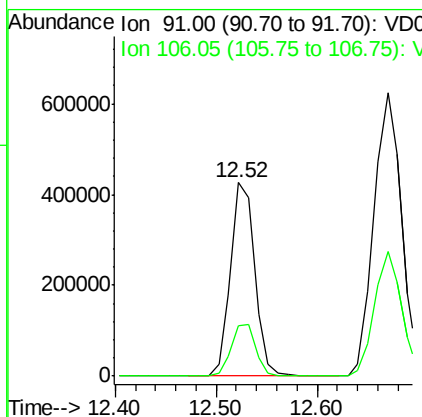
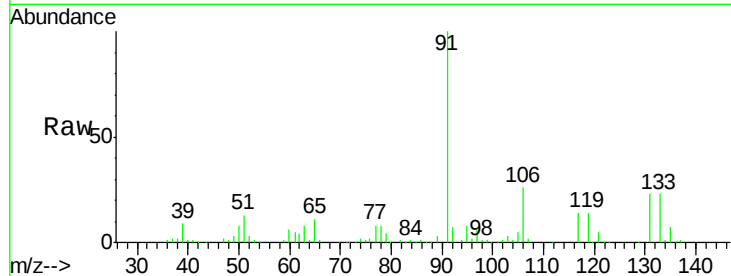




#67
Ethyl Benzene
Concen: 22.602 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

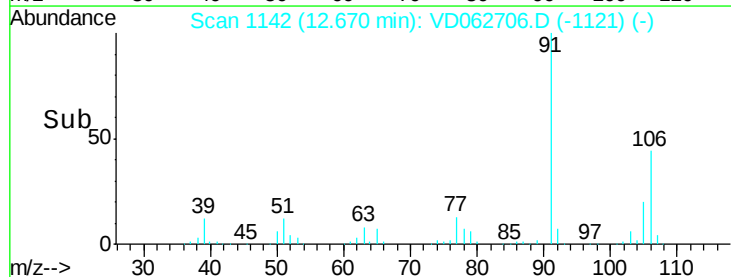
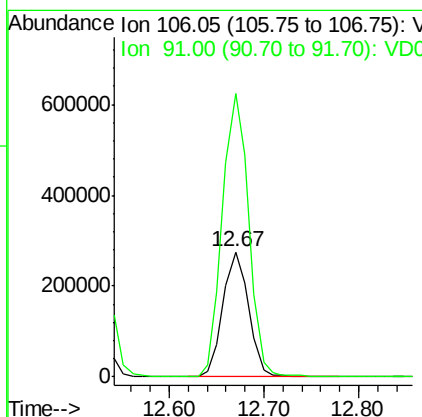
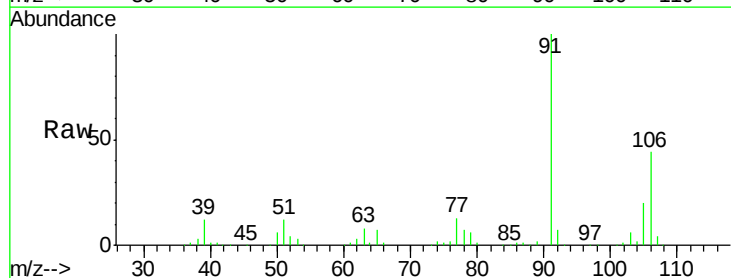
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

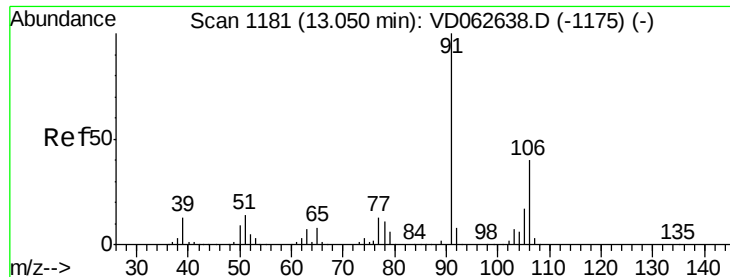
Tot Ion: 91 Resp: 710179
Ion Ratio Lower Upper
91 100
106 25.9 22.1 33.1



#68
m/p-Xylenes
Concen: 47.033 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion: 106 Resp: 519542
Ion Ratio Lower Upper
106 100
91 226.3 180.2 270.4

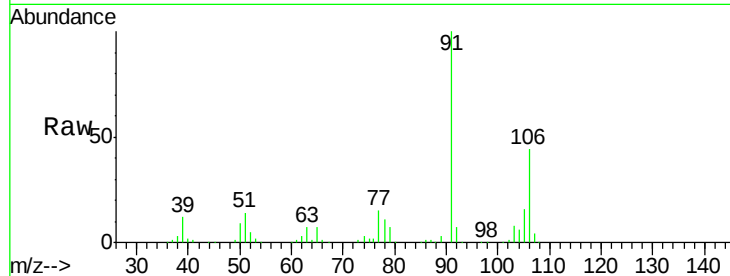




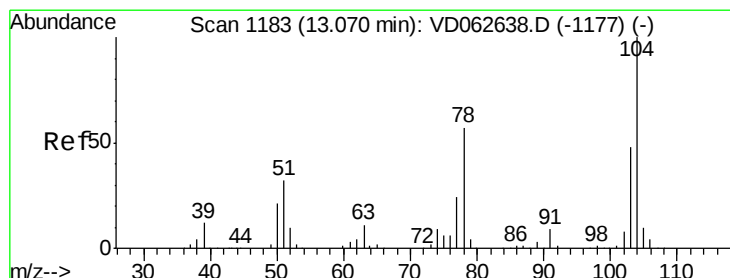
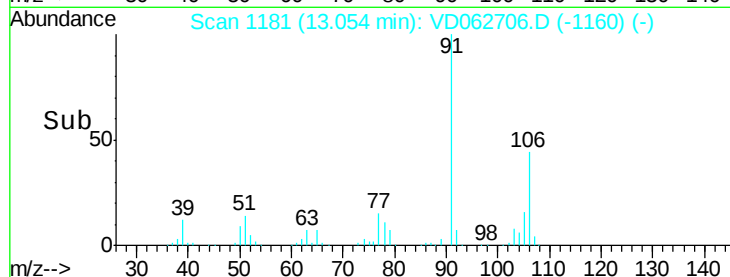
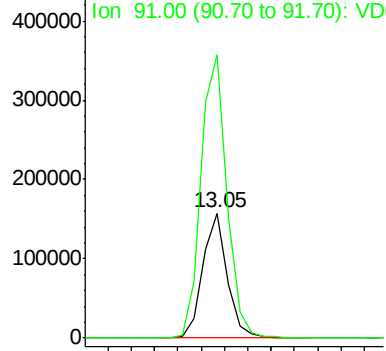
#69
o-Xylene
Concen: 22.530 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

Tot Ion:106 Resp: 228568
Ion Ratio Lower Upper
106 100
91 226.5 124.1 372.1

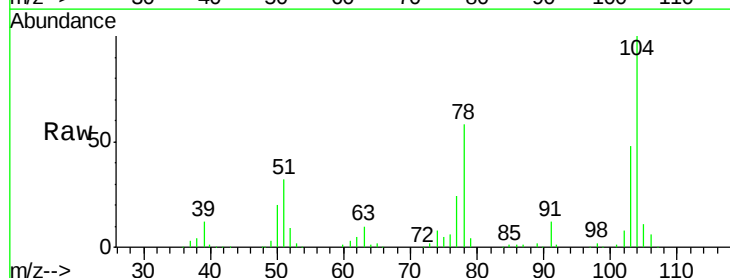


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

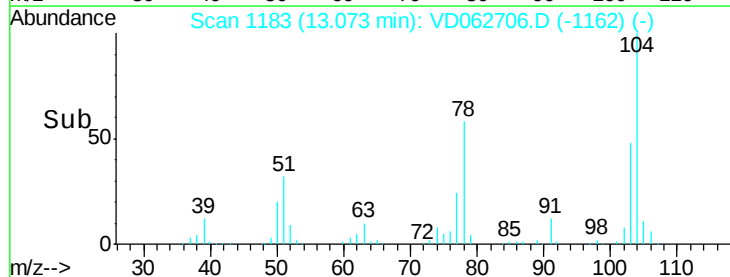
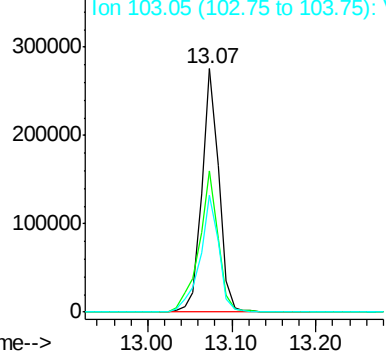


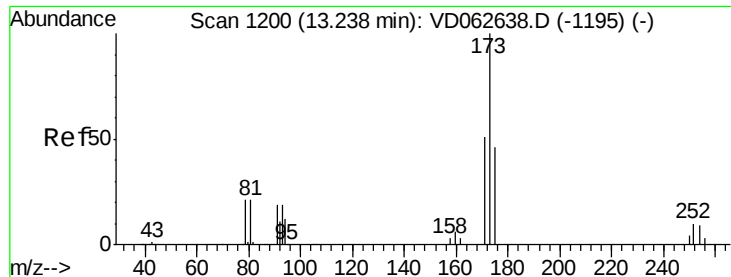
#70
Styrene
Concen: 21.290 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion:104 Resp: 385383
Ion Ratio Lower Upper
104 100
78 58.2 45.9 68.9
103 47.9 38.4 57.6



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: 21.529 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

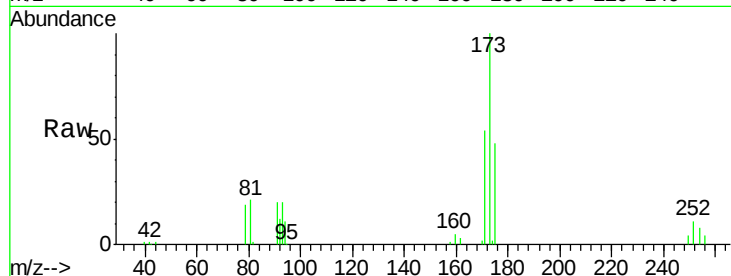
Tot Ion:173 Resp: 128515

Ion Ratio Lower Upper

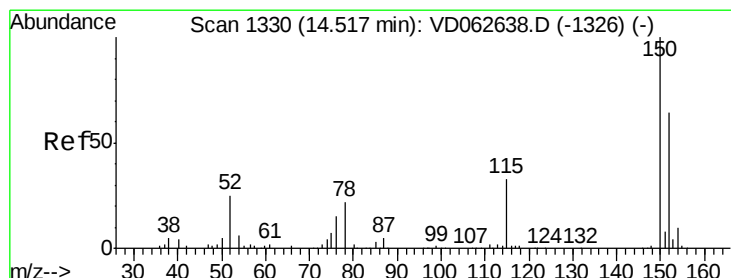
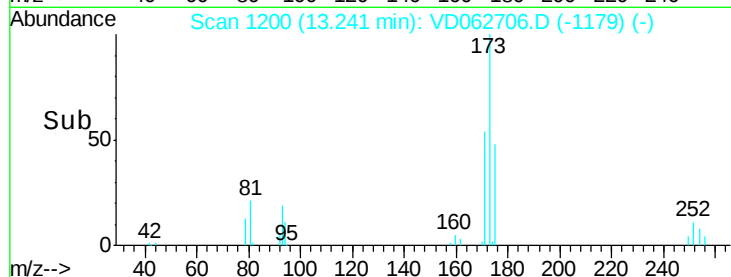
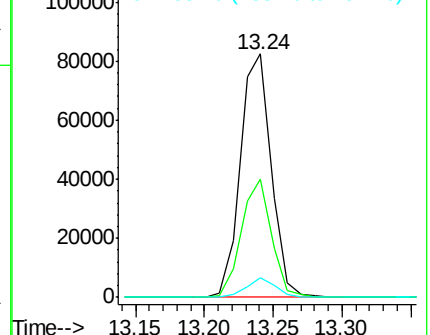
173 100

175 48.5 22.9 68.7

254 8.1 7.0 10.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

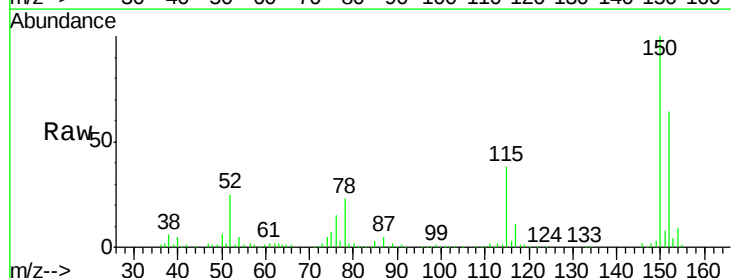
Tgt Ion:152 Resp: 437548

Ion Ratio Lower Upper

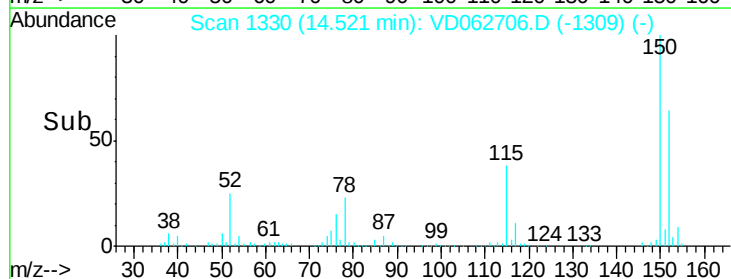
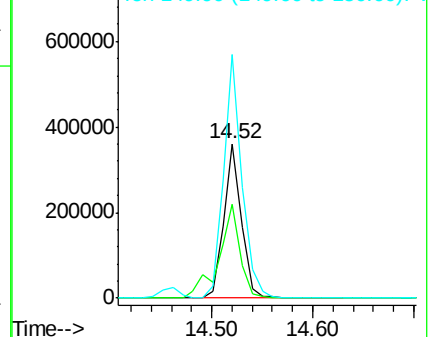
152 100

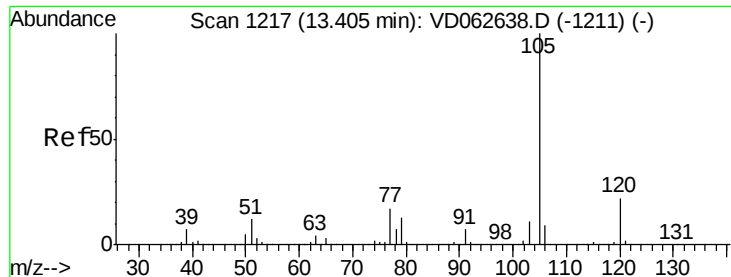
115 60.4 30.1 90.5

150 157.4 0.0 314.0



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





#73

Isopropylbenzene

Concen: 23.122 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

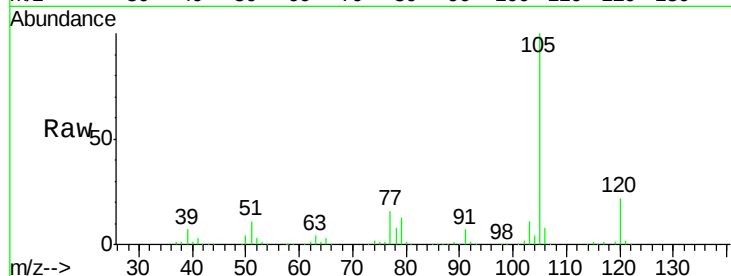
VD0614SBSD01

Tot Ion:105 Resp: 713092

Ion Ratio Lower Upper

105 100

120 21.6 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

500000

400000

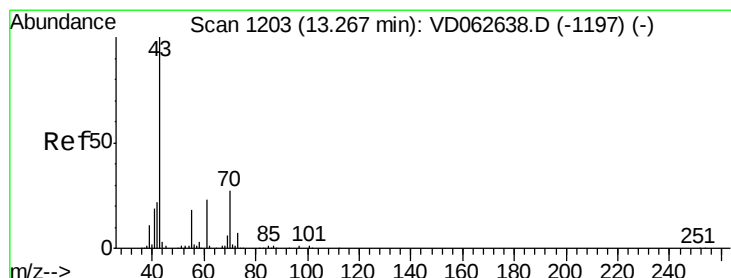
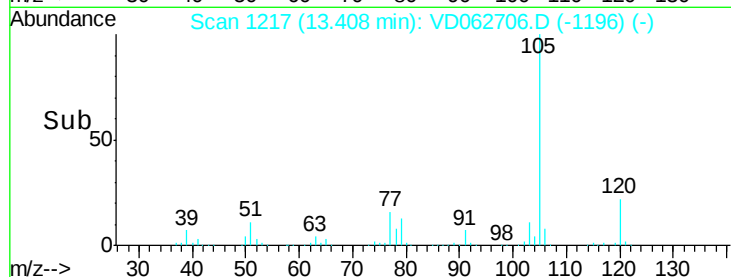
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 21.966 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Tgt Ion: 43 Resp: 183086

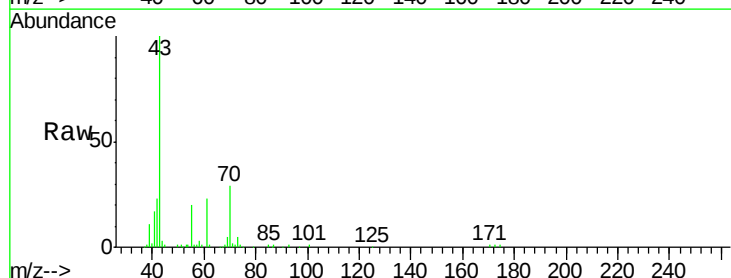
Ion Ratio Lower Upper

43 100

70 28.7 21.8 32.8

55 20.1 14.6 21.8

61 22.5 18.4 27.6



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

200000

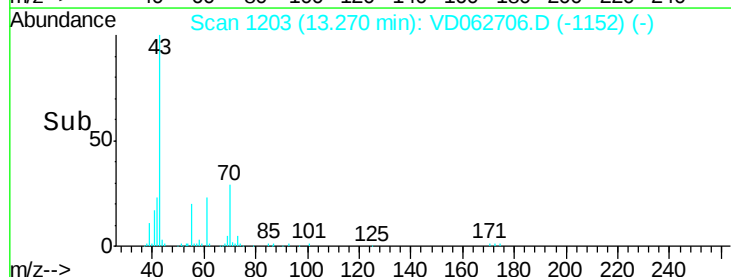
150000

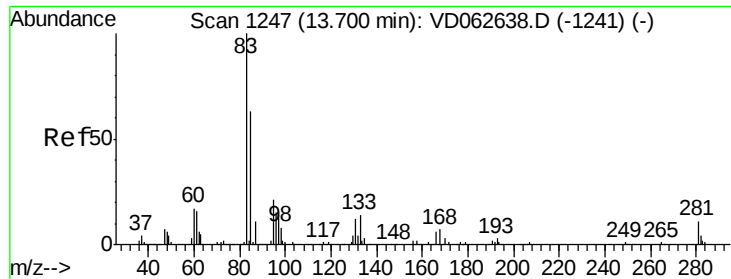
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.782 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

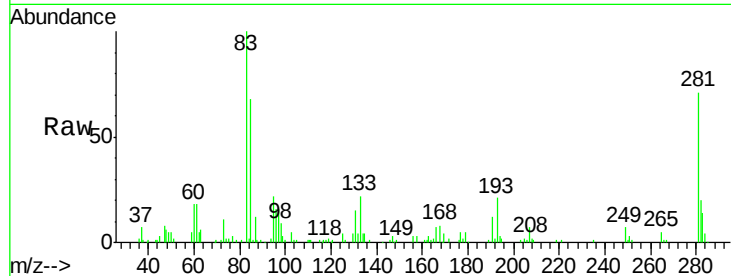
Tot Ion: 83 Resp: 120220

Ion Ratio Lower Upper

83 100

131 14.6 5.9 17.7

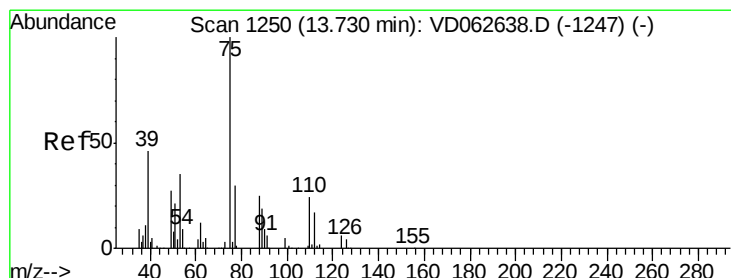
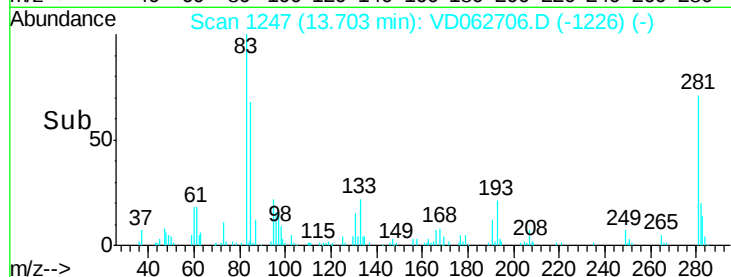
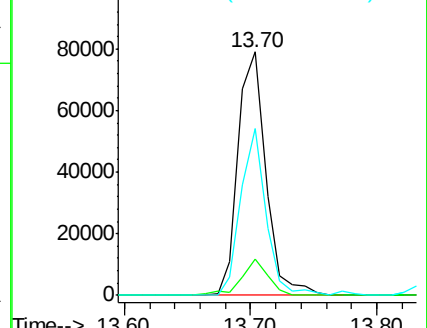
85 68.3 31.3 93.9



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: 21.955 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD062706.D

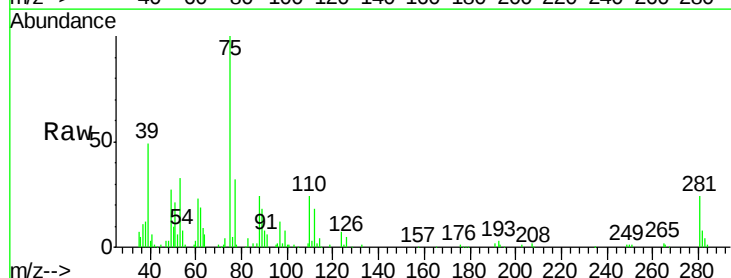
Acq: 14 Jun 2019 13:02

Tgt Ion: 75 Resp: 130252

Ion Ratio Lower Upper

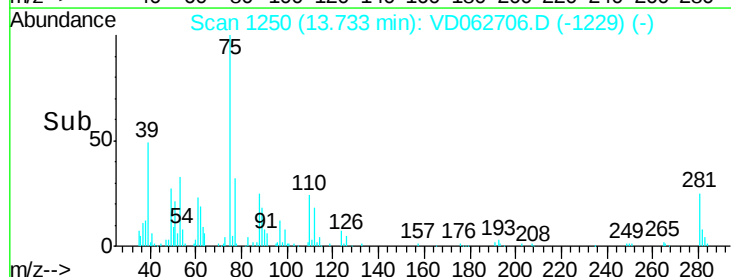
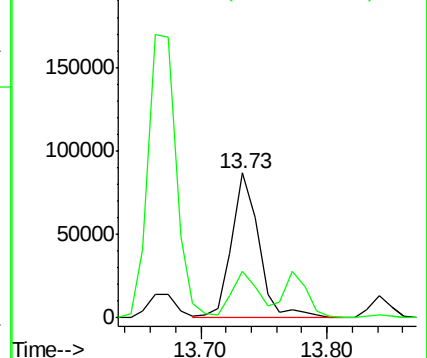
75 100

77 31.9 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.621 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

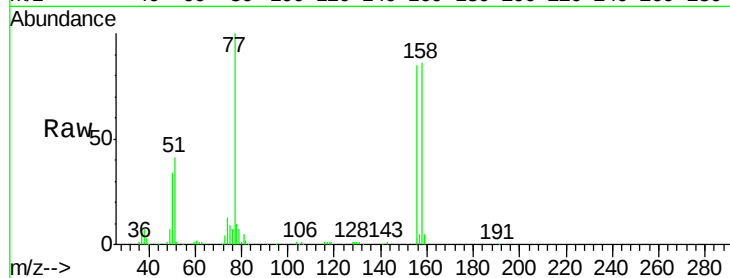
Tot Ion:156 Resp: 199401

Ion Ratio Lower Upper

156 100

77 117.6 56.3 168.8

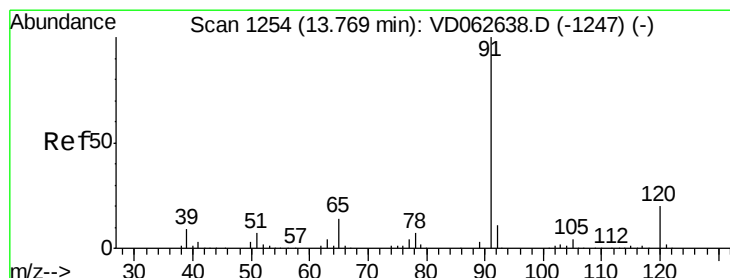
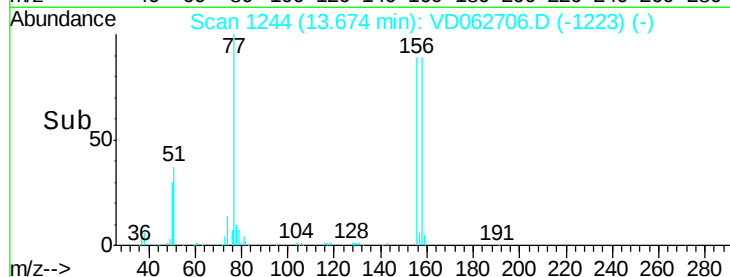
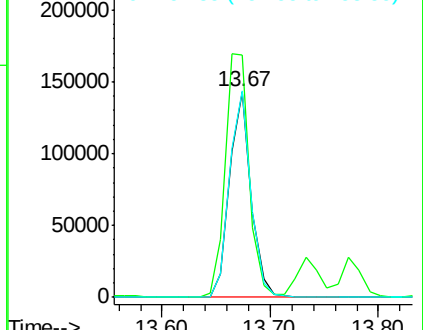
158 100.7 49.6 148.8



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: 22.827 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062706.D

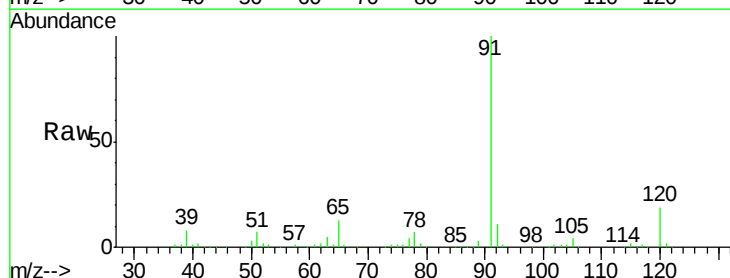
Acq: 14 Jun 2019 13:02

Tgt Ion: 91 Resp: 861747

Ion Ratio Lower Upper

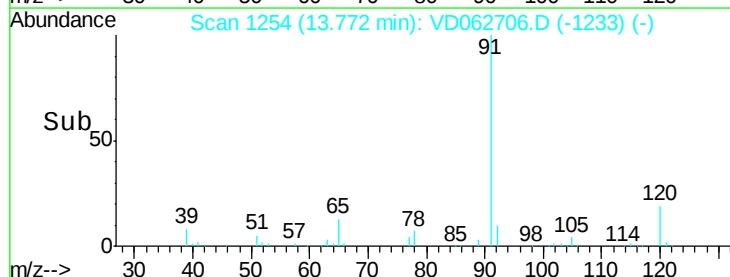
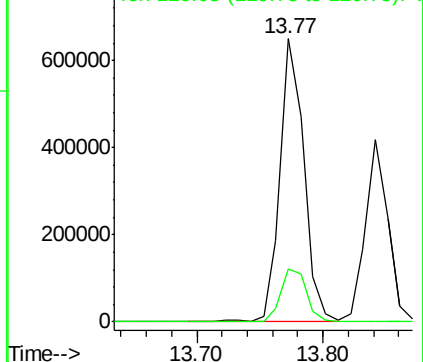
91 100

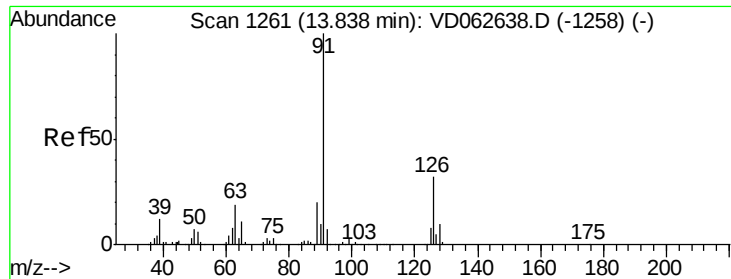
120 18.8 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

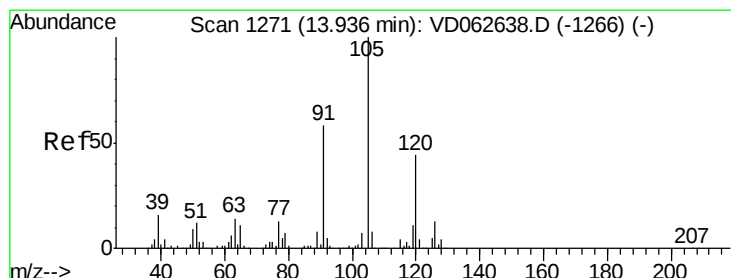
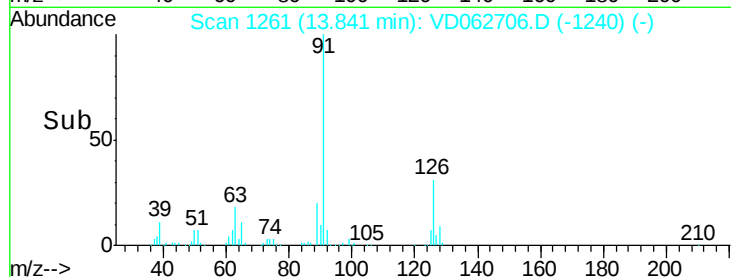
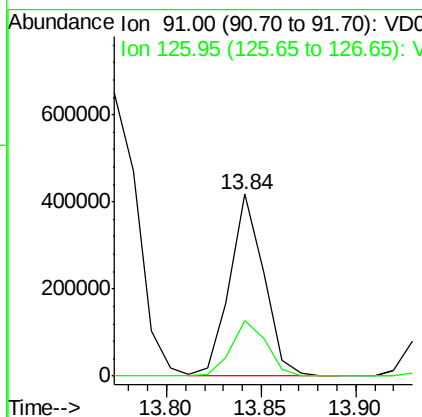
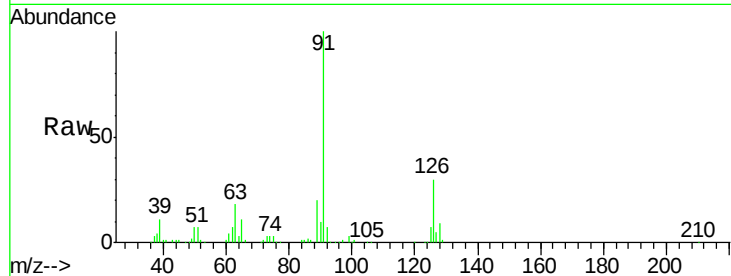




#79
 2-Chlorotoluene
 Concen: 23.506 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

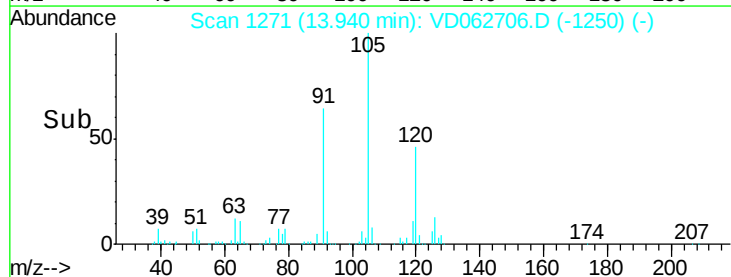
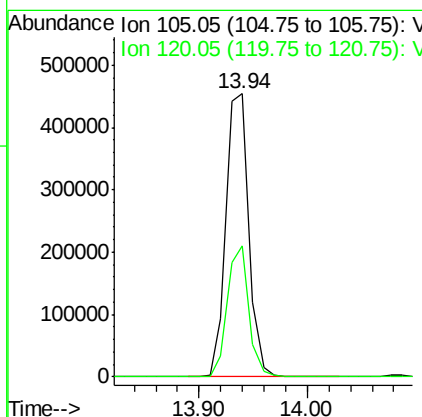
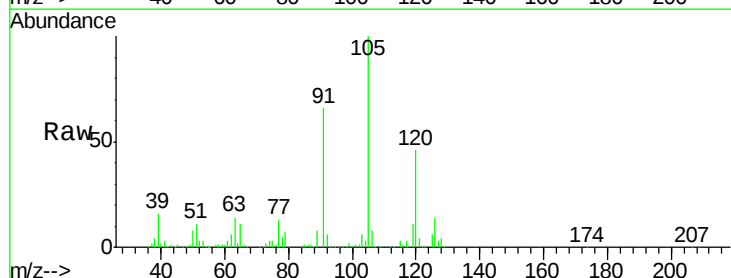
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBSD01

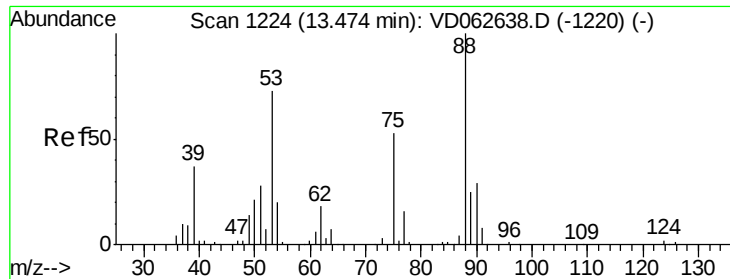
Tot Ion: 91 Resp: 519573
 Ion Ratio Lower Upper
 91 100
 126 30.5 15.8 47.4



#80
 1,3,5-Trimethylbenzene
 Concen: 24.639 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

Tgt Ion: 105 Resp: 671565
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.1 66.5





#81

trans-1,4-Dichloro-2-butene

Concen: 21.305 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

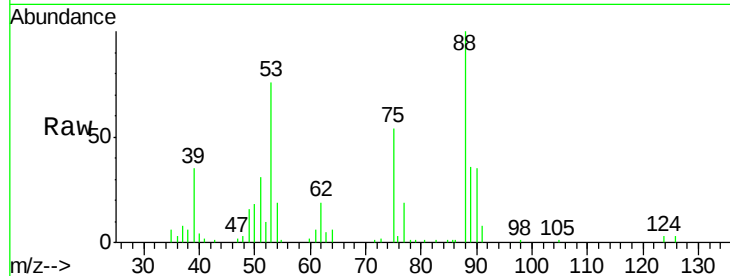
Tot Ion: 75 Resp: 33219

Ion Ratio Lower Upper

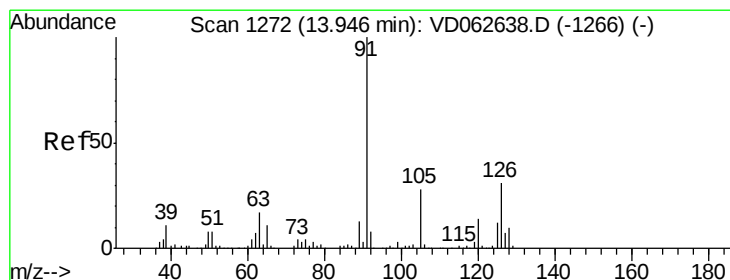
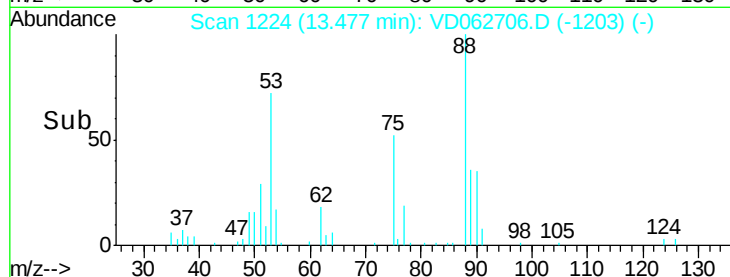
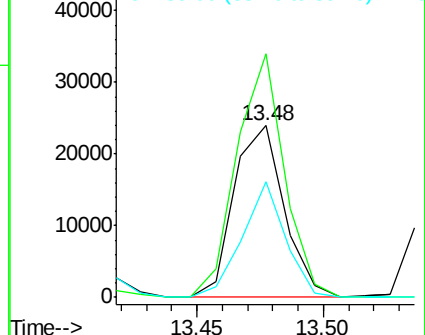
75 100

53 142.0 109.4 164.2

89 67.3 37.0 55.6#



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: 24.198 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062706.D

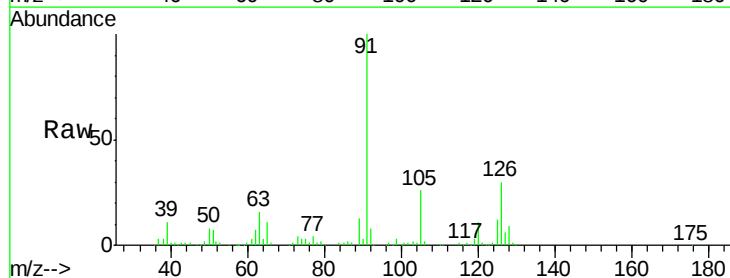
Acq: 14 Jun 2019 13:02

Tgt Ion: 91 Resp: 639634

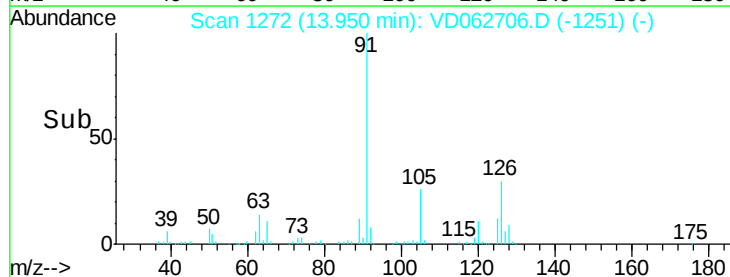
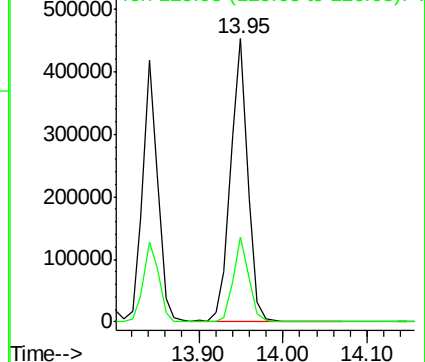
Ion Ratio Lower Upper

91 100

126 29.8 15.6 46.8



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

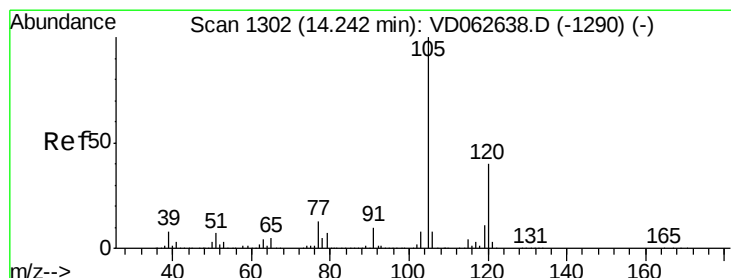
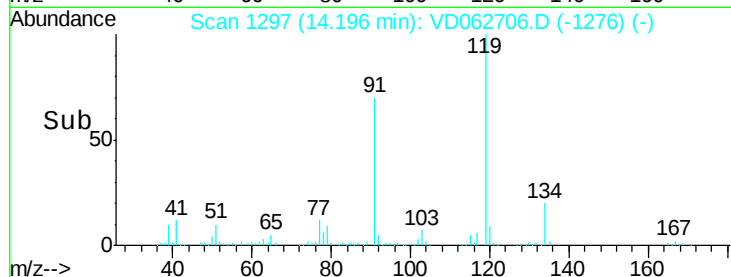
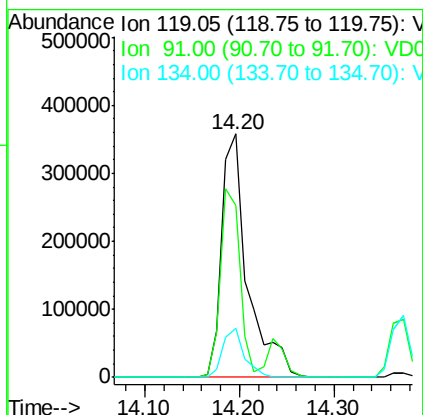
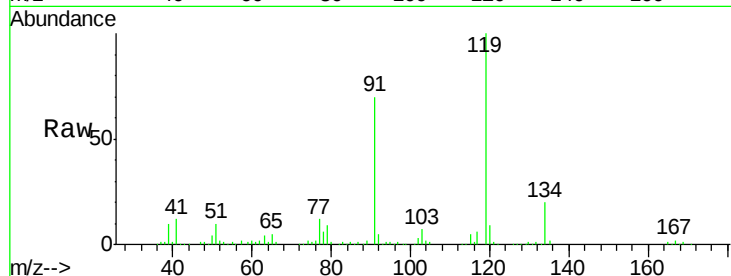




#83
tert-Butylbenzene
Concen: 22.572 ug/l
RT: 14.20 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

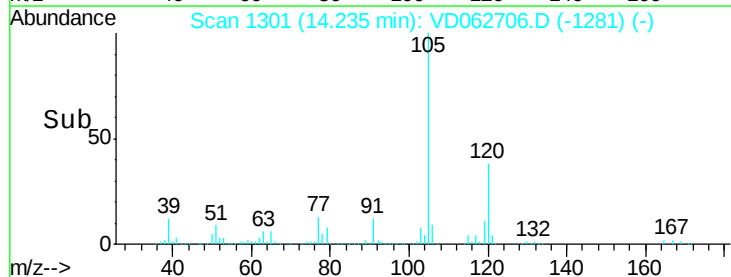
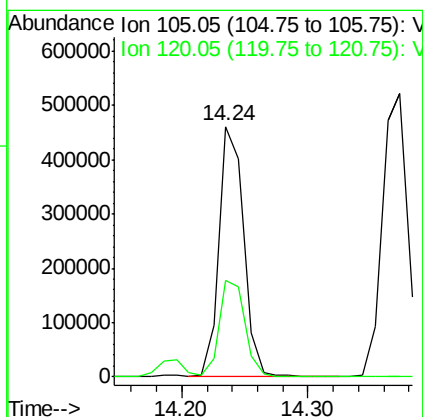
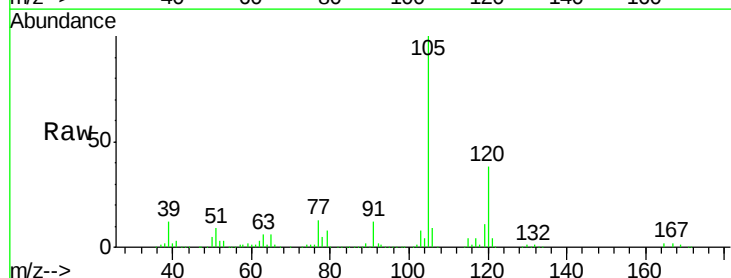
Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

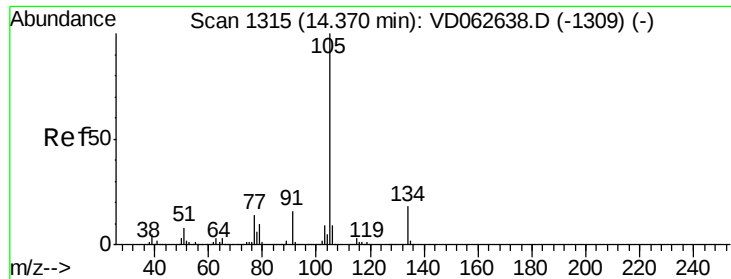
Tot Ion:119 Resp: 678567
Ion Ratio Lower Upper
119 100
91 70.5 35.4 106.1
134 20.3 10.8 32.3



#84
1,2,4-Trimethylbenzene
Concen: 23.209 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion:105 Resp: 626341
Ion Ratio Lower Upper
105 100
120 38.4 20.3 60.8





#85

sec-Butylbenzene

Concen: 23.623 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

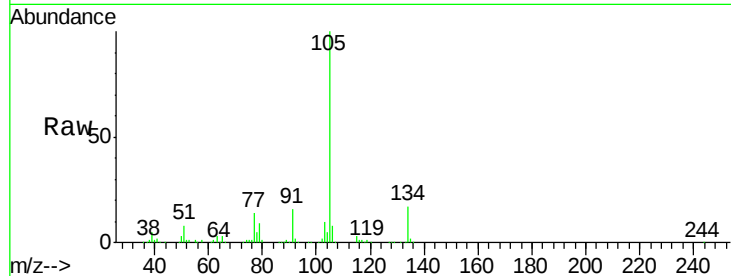
VD0614SBSD01

Tot Ion:105 Resp: 744686

Ion Ratio Lower Upper

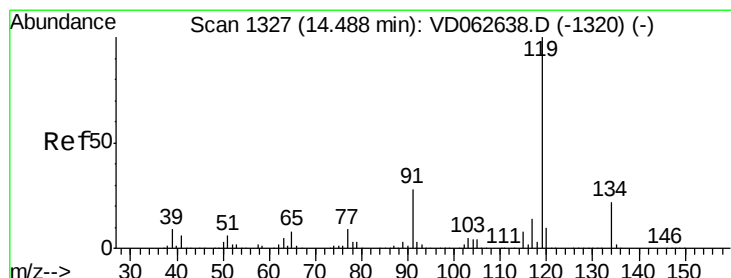
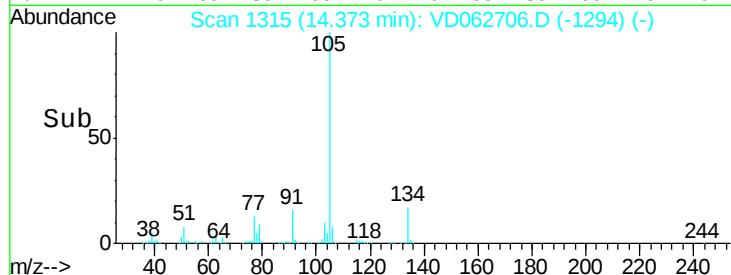
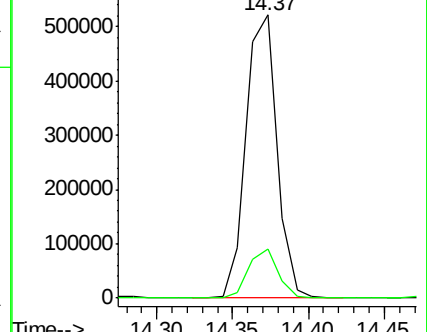
105 100

134 17.3 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 23.368 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

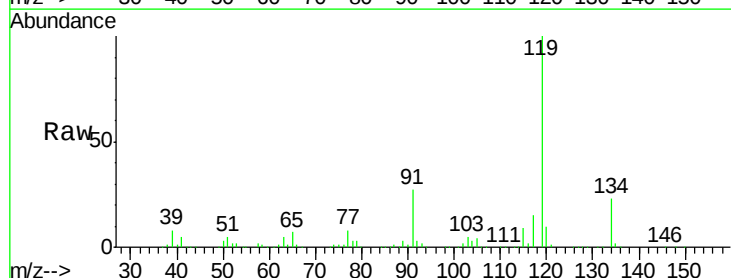
Tgt Ion:119 Resp: 717219

Ion Ratio Lower Upper

119 100

134 22.7 10.9 32.6

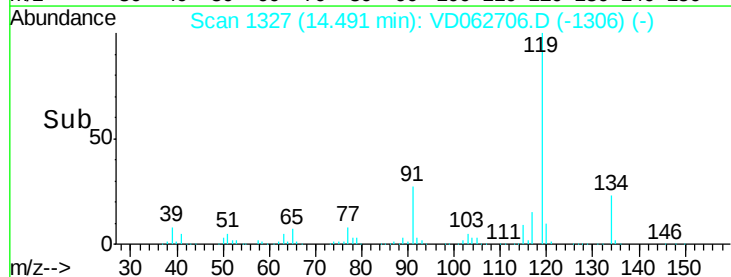
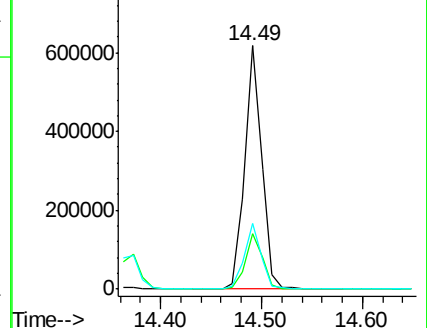
91 27.1 13.9 41.6

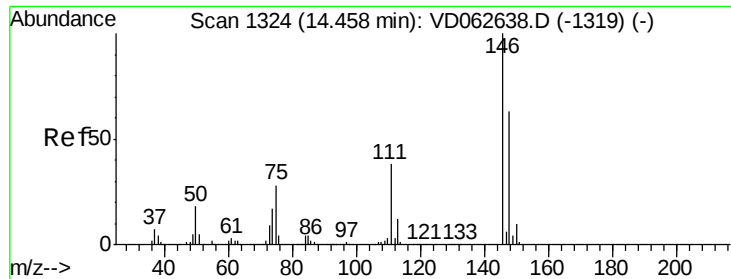


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

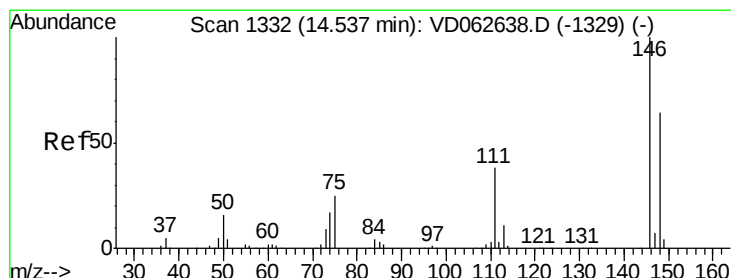
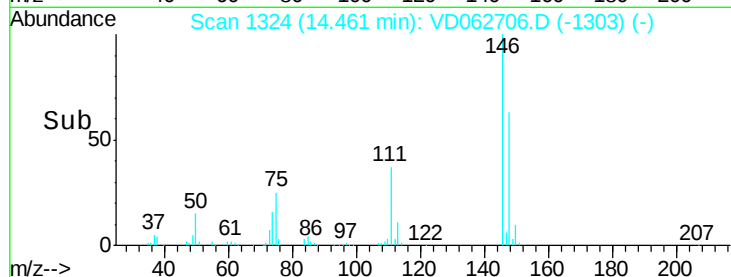
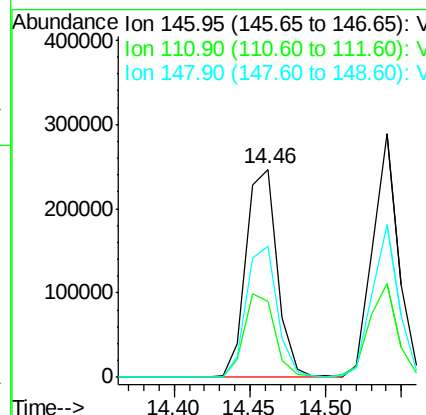
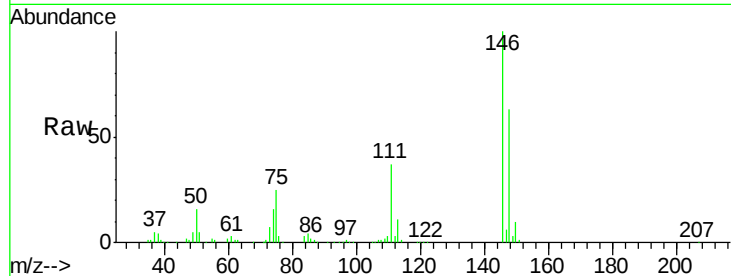




#87
 1,3-Dichlorobenzene
 Concen: 22.259 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

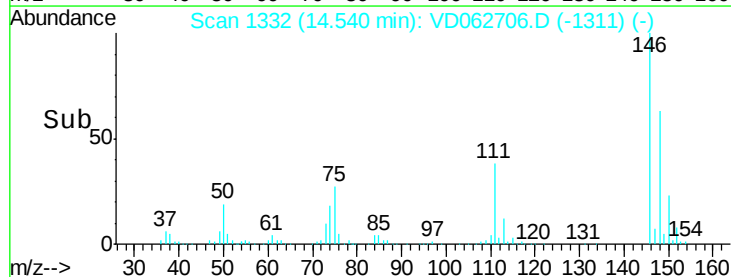
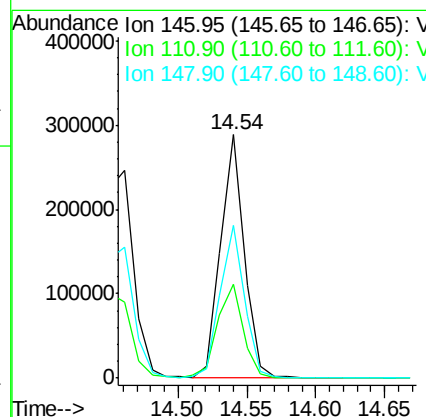
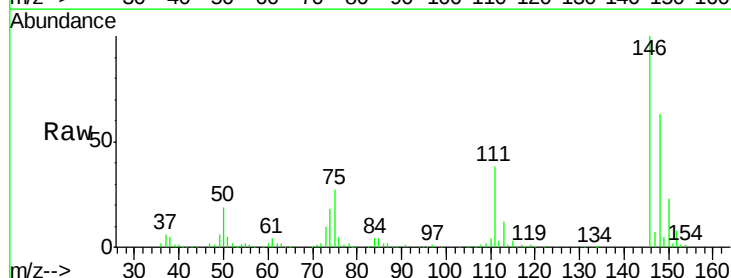
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBSD01

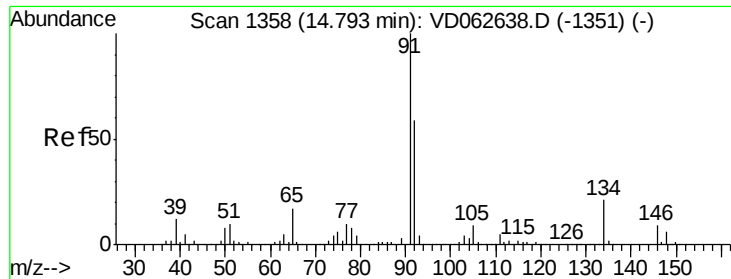
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.2	57.6
148	63.1	31.6	95.0



#88
 1,4-Dichlorobenzene
 Concen: 22.720 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.7
148	62.7	32.3	96.8





#89

n-Butylbenzene

Concen: 24.408 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD062706.D

Acq: 14 Jun 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0614SBSD01

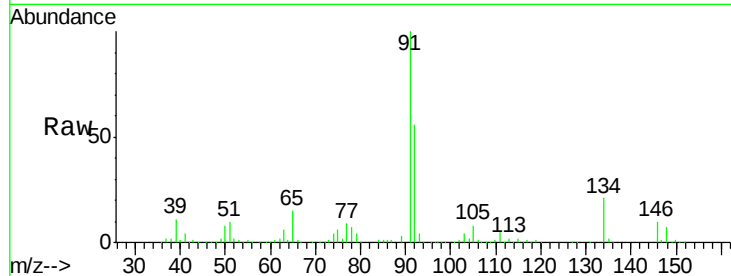
Tot Ion: 91 Resp: 673941

Ion Ratio Lower Upper

91 100

92 56.4 29.4 88.3

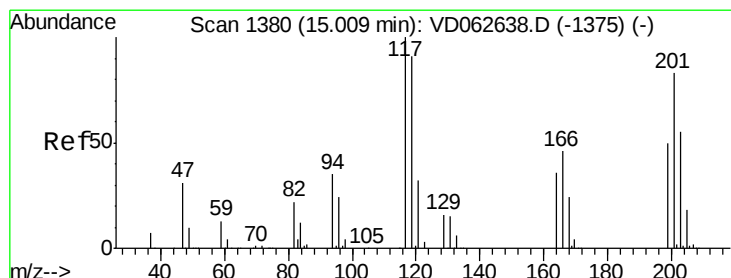
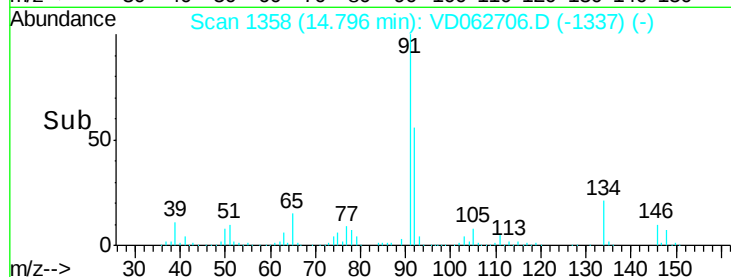
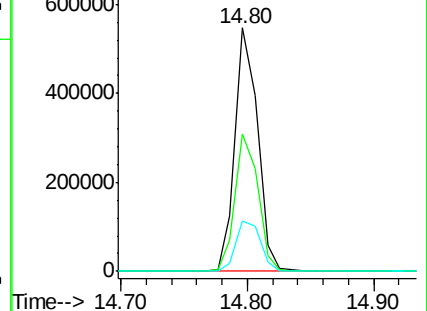
134 20.8 10.4 31.2



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: 22.381 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062706.D

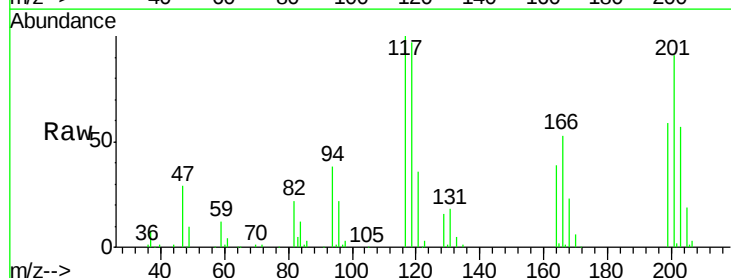
Acq: 14 Jun 2019 13:02

Tgt Ion: 117 Resp: 181346

Ion Ratio Lower Upper

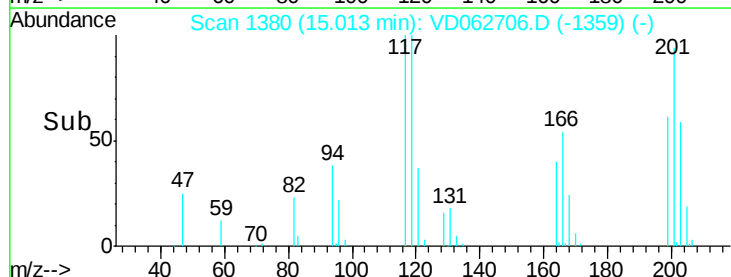
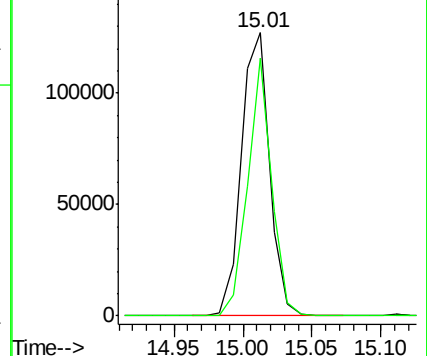
117 100

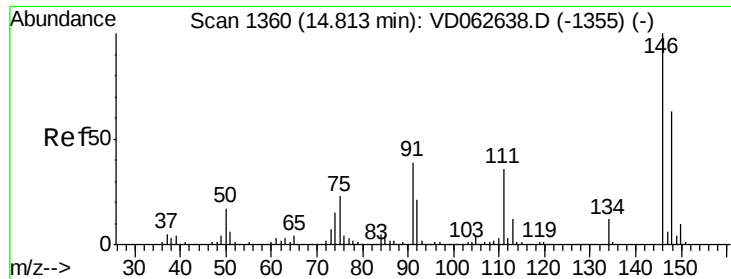
201 91.3 41.5 124.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

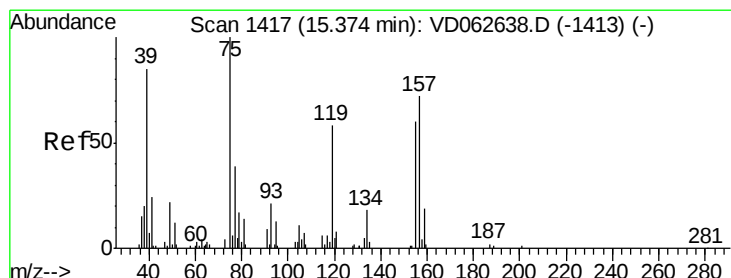
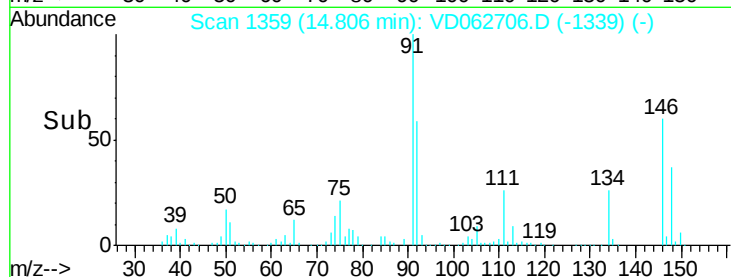
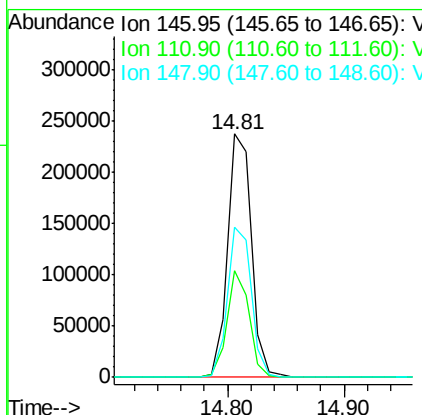
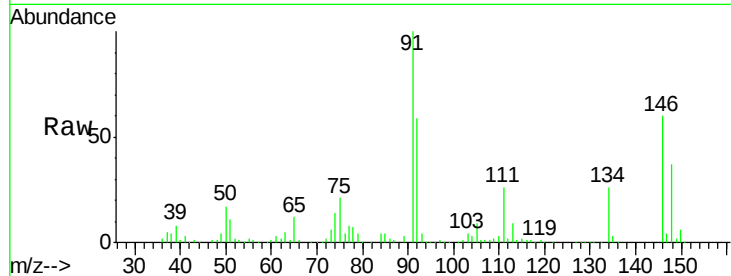




#91
 1,2-Dichlorobenzene
 Concen: 25.384 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

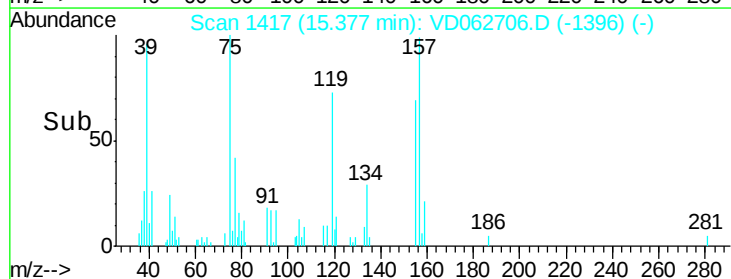
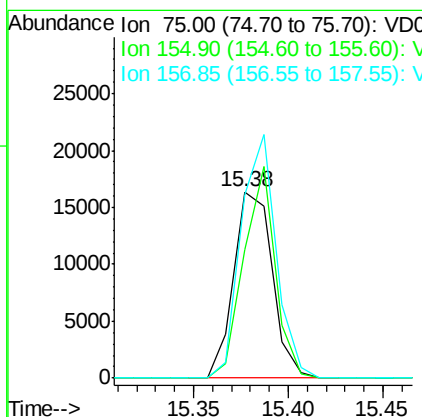
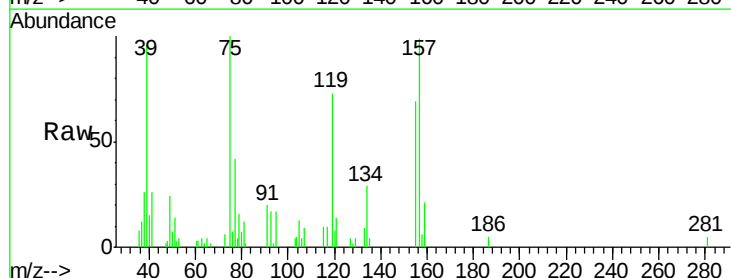
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBSD01

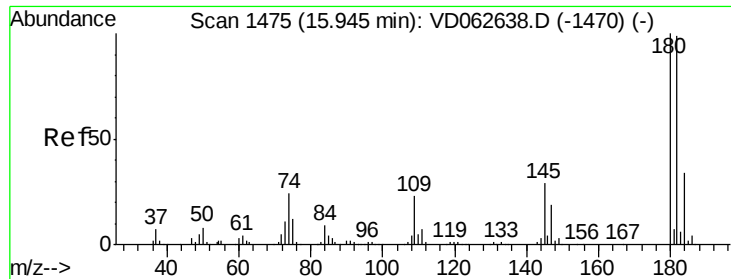
Tot Ion:146 Resp: 336956
 Ion Ratio Lower Upper
 146 100
 111 43.8 18.1 54.3
 148 61.7 31.4 94.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.406 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

Tgt Ion: 75 Resp: 23001
 Ion Ratio Lower Upper
 75 100
 155 68.9 30.1 90.5
 157 98.6 35.9 107.8

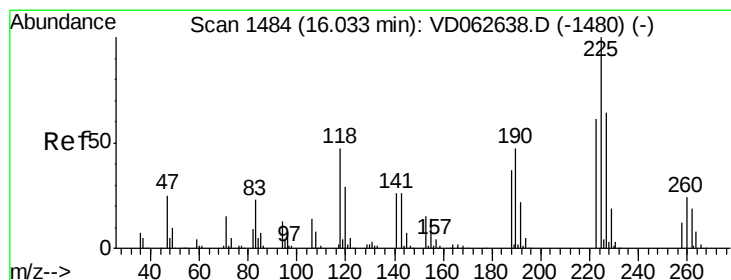
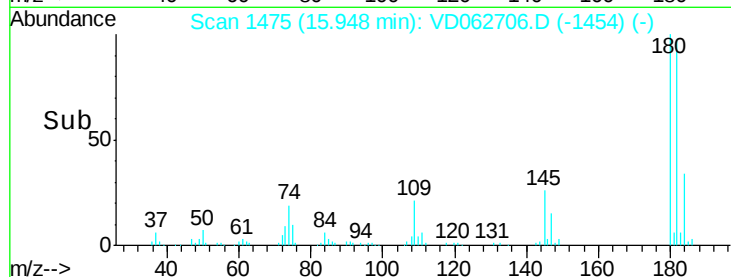
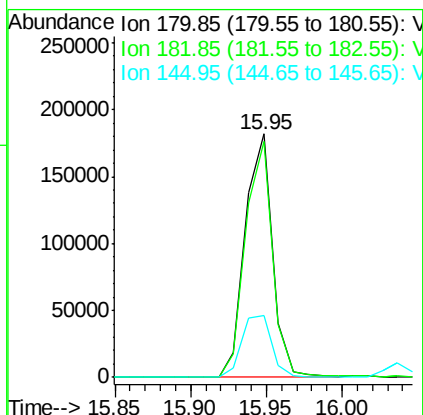
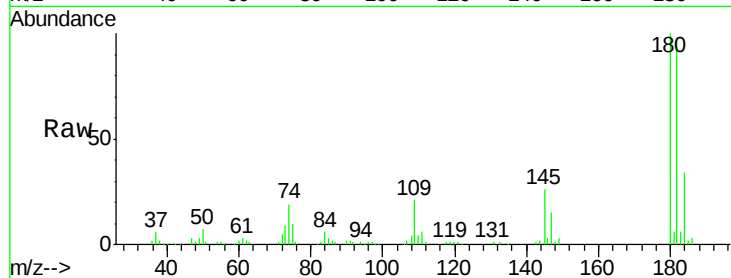




#93
 1,2,4-Trichlorobenzene
 Concen: 22.464 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

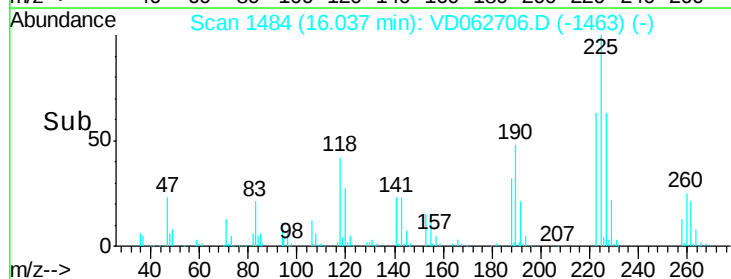
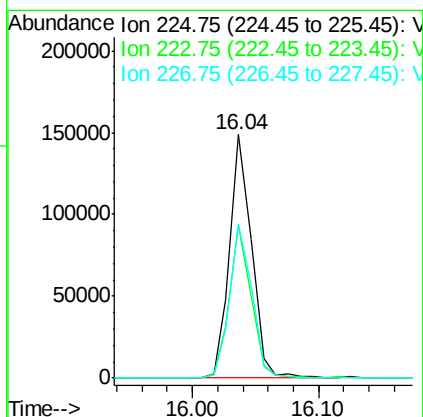
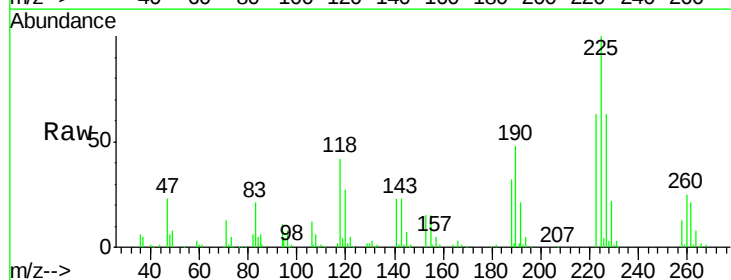
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBSD01

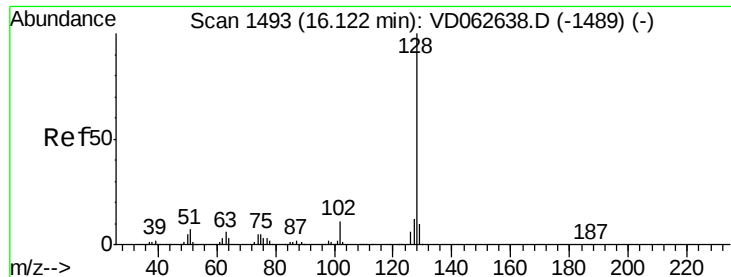
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	49.4	148.2
145	25.6	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 22.832 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062706.D
 Acq: 14 Jun 2019 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.3	91.0
227	63.2	31.8	95.4

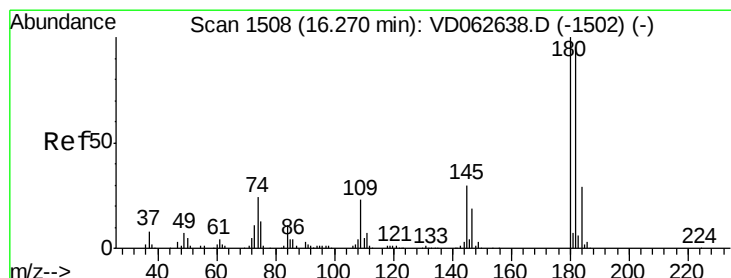
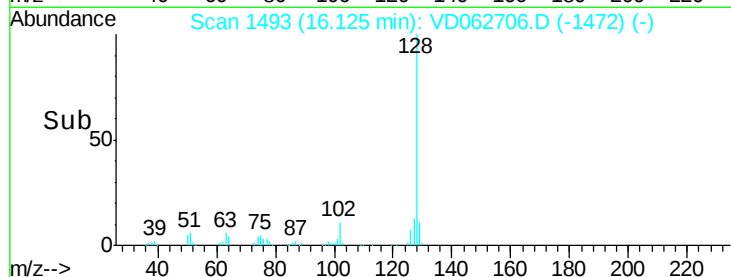
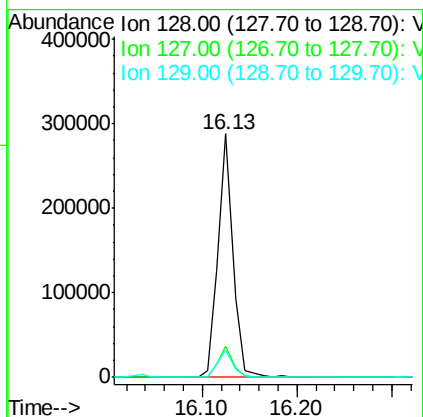
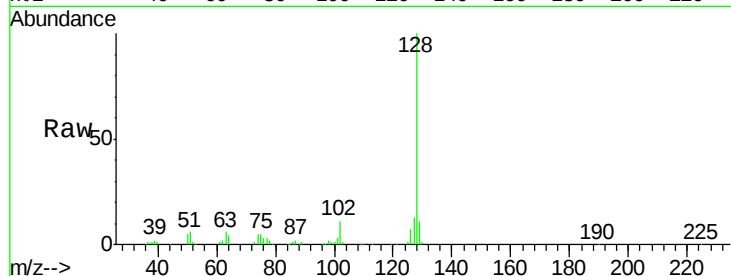




#95
Naphthalene
Concen: 22.066 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0614SBSD01

Tot Ion:128 Resp: 317456
Ion Ratio Lower Upper
128 100
127 12.7 9.7 14.5
129 11.3 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 22.105 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062706.D
Acq: 14 Jun 2019 13:02

Tgt Ion:180 Resp: 169009
Ion Ratio Lower Upper
180 100
182 99.3 47.7 143.1
145 30.8 15.0 45.0

