

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
 Data File : VD062689.D
 Acq On : 13 Jun 2019 12:56
 Operator : VA/AP
 Sample : VD0613SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBS01

Quant Time: Jun 14 06:45:19 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	760222	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	999377	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	868563	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	454386	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	541226	49.34	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	6.94	113	539583	51.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.43	98	1124336	50.71	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	13.57	95	541667	52.37	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	185610	19.424	ug/l	99
3) Chloromethane	1.75	50	154090	20.485	ug/l	97
4) Vinyl Chloride	1.86	62	143570	18.509	ug/l	95
5) Bromomethane	2.16	94	65811	16.809	ug/l	95
6) Chloroethane	2.27	64	70400	18.383	ug/l #	88
7) Trichlorofluoromethane	2.53	101	317023	18.260	ug/l	94
8) Diethyl Ether	2.89	74	45812	19.401	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	189871	20.279	ug/l	98
10) Methyl Iodide	3.31	142	221401	18.992	ug/l	100
11) Tert butyl alcohol	4.10	59	39319	87.197	ug/l #	91
12) 1,1-Dichloroethene	3.13	96	129724	19.306	ug/l	94
13) Acrolein	3.04	56	13863	95.576	ug/l	98
14) Allyl chloride	3.62	41	200027	19.361	ug/l	89
15) Acrylonitrile	4.21	53	109312	106.680	ug/l	98
16) Acetone	3.24	43	203729	101.420	ug/l #	91
17) Carbon Disulfide	3.38	76	369433	18.658	ug/l	99
18) Methyl Acetate	3.66	43	68906	20.873	ug/l #	88
19) Methyl tert-butyl Ether	4.26	73	342797	20.918	ug/l	98
20) Methylene Chloride	3.82	84	142710	18.525	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	141521	19.201	ug/l	91
22) Diisopropyl ether	5.14	45	434904	20.273	ug/l #	95
23) Vinyl Acetate	5.08	43	1445668	108.625	ug/l	100
24) 1,1-Dichloroethane	5.00	63	276284	20.020	ug/l	98
25) 2-Butanone	6.09	43	200545	102.333	ug/l	99
26) 2,2-Dichloropropane	6.05	77	303231	19.064	ug/l	100
27) cis-1,2-Dichloroethene	6.06	96	154563	19.344	ug/l	96
28) Bromochloromethane	6.46	49	98588	18.688	ug/l	93
29) Tetrahydrofuran	6.48	42	91491	103.670	ug/l	98
30) Chloroform	6.69	83	338959	19.143	ug/l	95
31) Cyclohexane	6.96	56	173521	20.044	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	359955	20.430	ug/l	95
36) 1,1-Dichloropropene	7.16	75	222365	19.441	ug/l	98
37) Ethyl Acetate	6.20	43	109908	23.196	ug/l #	77
38) Carbon Tetrachloride	7.13	117	361490	19.995	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
 Data File : VD062689.D
 Acq On : 13 Jun 2019 12:56
 Operator : VA/AP
 Sample : VD0613SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBSD01

Quant Time: Jun 14 06:45:19 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	8.88	83	189252	20.475	ug/l	93
40) Benzene	7.47	78	460873	20.633	ug/l	99
41) Methacrylonitrile	6.47	41	133778	22.343	ug/l #	97
42) 1,2-Dichloroethane	7.59	62	267963	20.127	ug/l	98
43) Isopropyl Acetate	9.25	43	125345	20.769	ug/l #	88
44) Trichloroethene	8.56	130	171589	18.922	ug/l	95
45) 1,2-Dichloropropane	8.96	63	112724	21.010	ug/l	99
46) Dibromomethane	9.08	93	103466	21.725	ug/l	87
47) Bromodichloromethane	9.39	83	271647	20.968	ug/l	95
48) Methyl methacrylate	9.14	41	86963	19.945	ug/l #	83
49) 1,4-Dioxane	9.10	88	15543	427.076	ug/l	92
51) 4-Methyl-2-Pentanone	10.32	43	467452	110.695	ug/l	94
52) Toluene	10.52	92	298760	19.898	ug/l	95
53) t-1,3-Dichloropropene	10.93	75	221842	20.885	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	229817	20.934	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	112701	21.887	ug/l #	93
56) Ethyl methacrylate	11.06	69	125826	22.623	ug/l	97
57) 1,3-Dichloropropane	11.42	76	164051	20.556	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.88	63	330785	120.195	ug/l	91
59) 2-Hexanone	11.55	43	330932	105.351	ug/l	97
60) Dibromochloromethane	11.70	129	210920	20.751	ug/l	100
61) 1,2-Dibromoethane	11.81	107	133728	21.700	ug/l	91
64) Tetrachloroethene	11.27	164	168093	20.674	ug/l	96
65) Chlorobenzene	12.41	112	387447	20.167	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	184965	20.186	ug/l	95
67) Ethyl Benzene	12.53	91	647491	19.008	ug/l	100
68) m/p-Xylenes	12.68	106	476260	39.770	ug/l	99
69) o-Xylene	13.05	106	214590	19.512	ug/l	99
70) Styrene	13.08	104	393953	20.075	ug/l	94
71) Bromoform	13.24	173	133224	20.711	ug/l #	98
73) Isopropylbenzene	13.41	105	722382	22.555	ug/l	100
74) N-amyl acetate	13.27	43	194024	22.416	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	130883	23.883	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	137671	22.345	ug/l	100
77) Bromobenzene	13.68	156	199609	21.806	ug/l	86
78) n-propylbenzene	13.78	91	859080	21.913	ug/l	95
79) 2-Chlorotoluene	13.85	91	487503	21.238	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	647606	22.879	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	33843	20.975	ug/l	92
82) 4-Chlorotoluene	13.95	91	602032	21.931	ug/l	95
83) tert-Butylbenzene	14.20	119	689514	22.086	ug/l	92
84) 1,2,4-Trimethylbenzene	14.25	105	642571	22.928	ug/l	99
85) sec-Butylbenzene	14.37	105	761737	23.268	ug/l	98
86) p-Isopropyltoluene	14.50	119	674517	21.162	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	351504	21.196	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	353242	22.539	ug/l	96
89) n-Butylbenzene	14.81	91	647138	22.568	ug/l	95
90) Hexachloroethane	15.01	117	181542	21.575	ug/l	84
91) 1,2-Dichlorobenzene	14.82	146	312195	22.647	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	25875	22.105	ug/l #	48

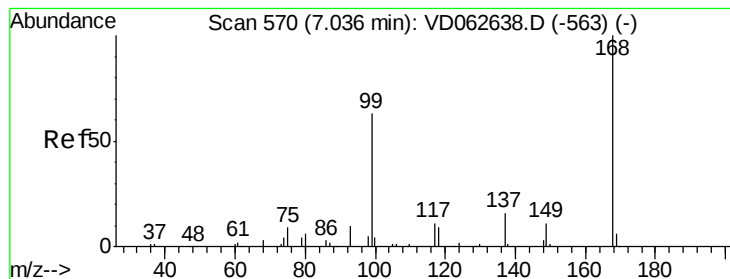
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
Data File : VD062689.D
Acq On : 13 Jun 2019 12:56
Operator : VA/AP
Sample : VD0613SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0613SBSD01

Quant Time: Jun 14 06:45:19 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	236691	22.364	ug/l	96
94) Hexachlorobutadiene	16.05	225	177944	21.864	ug/l	96
95) Naphthalene	16.13	128	301343	20.466	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	183394	23.097	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: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

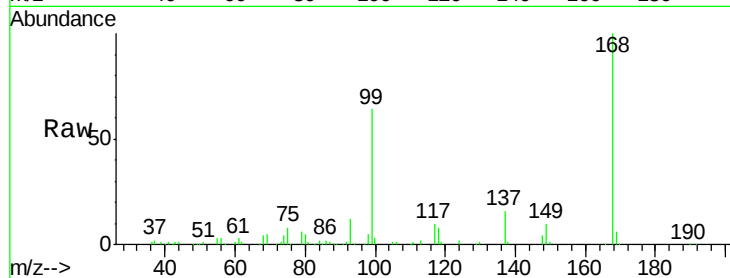
VD0613SBSD01

Tot Ion:168 Resp: 760222

Ion Ratio Lower Upper

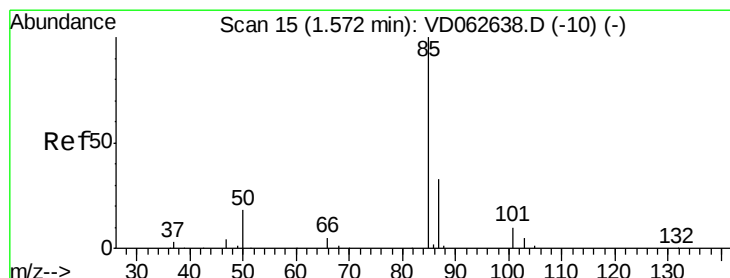
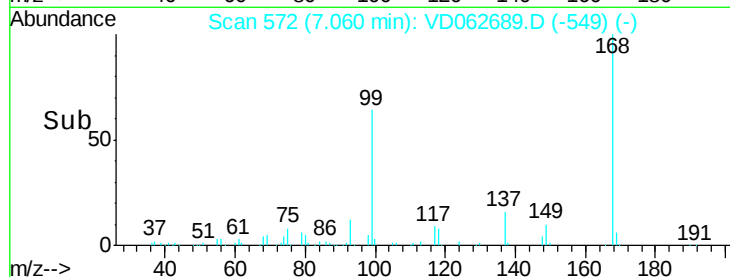
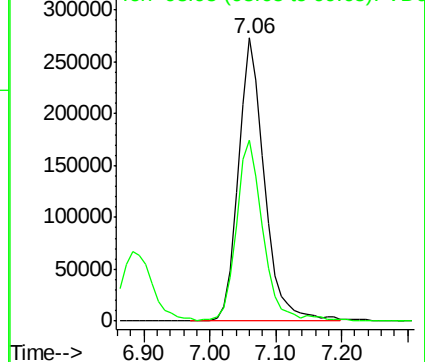
168 100

99 64.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.424 ug/l

RT: 1.59 min Scan# 16

Delta R.T. 0.02 min

Lab File: VD062689.D

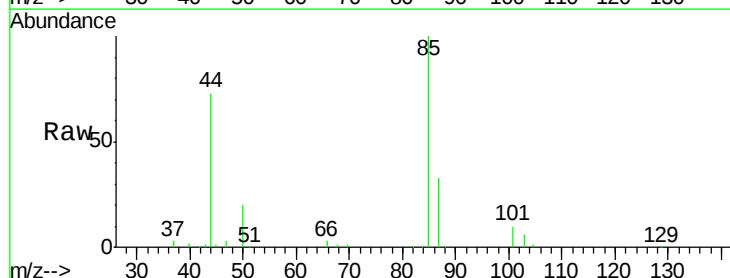
Acq: 13 Jun 2019 12:56

Tgt Ion: 85 Resp: 185610

Ion Ratio Lower Upper

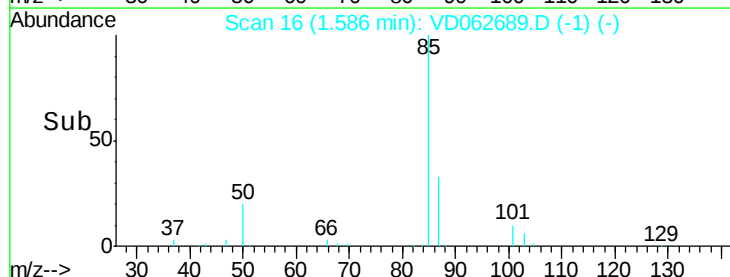
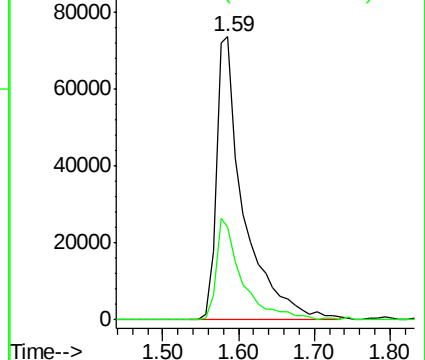
85 100

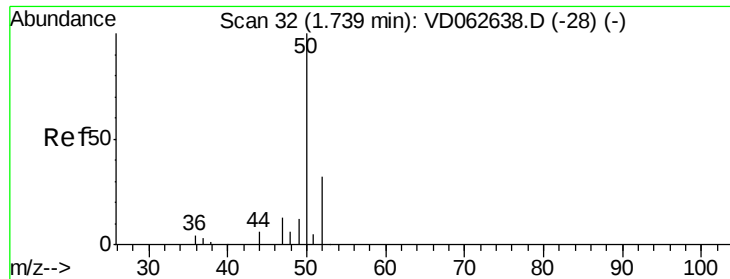
87 32.6 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.485 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

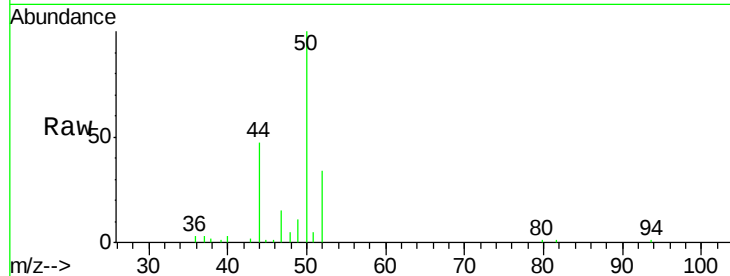
VD0613SBSD01

Tot Ion: 50 Resp: 154090

Ion Ratio Lower Upper

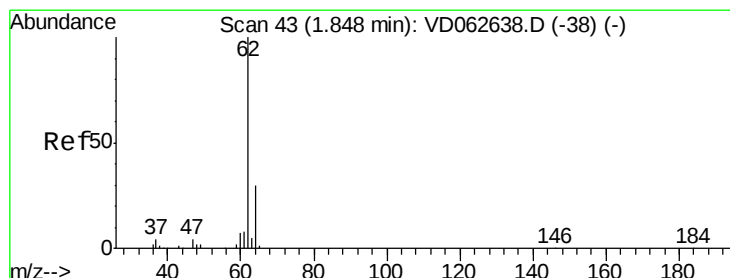
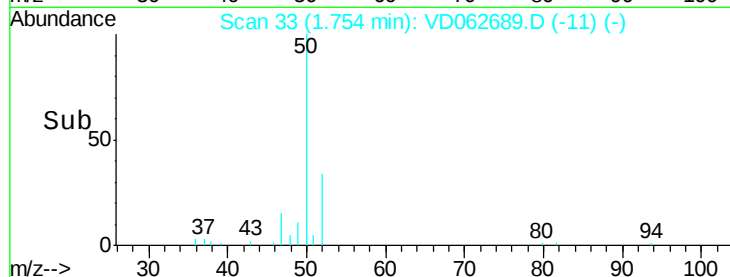
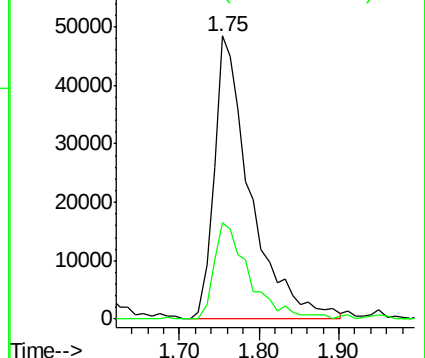
50 100

52 33.9 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: 18.509 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD062689.D

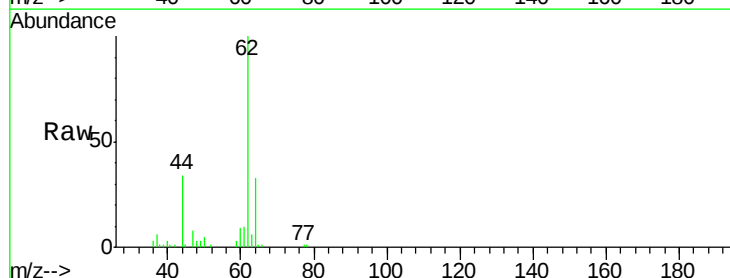
Acq: 13 Jun 2019 12:56

Tgt Ion: 62 Resp: 143570

Ion Ratio Lower Upper

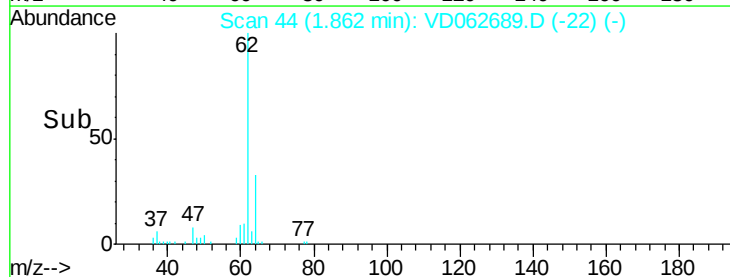
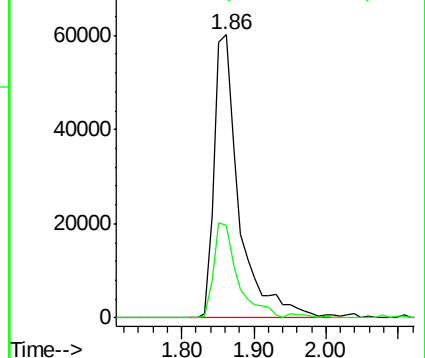
62 100

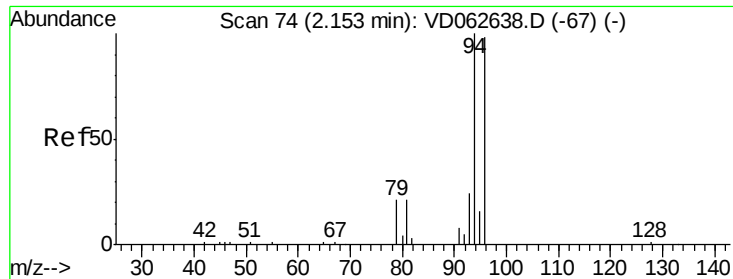
64 32.8 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.809 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

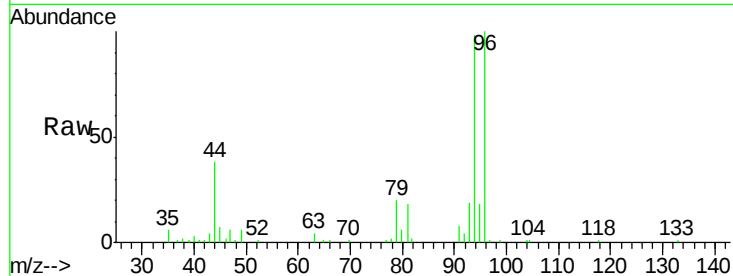
Tot Ion: 94 Resp: 65811

Ion Ratio Lower Upper

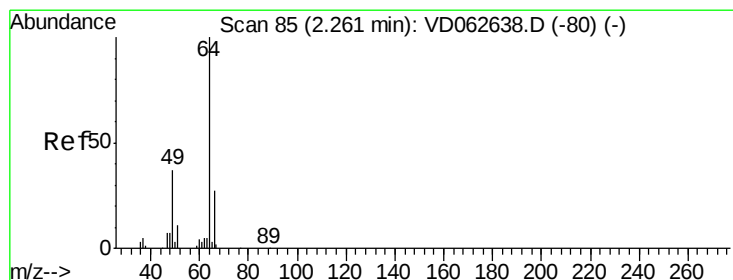
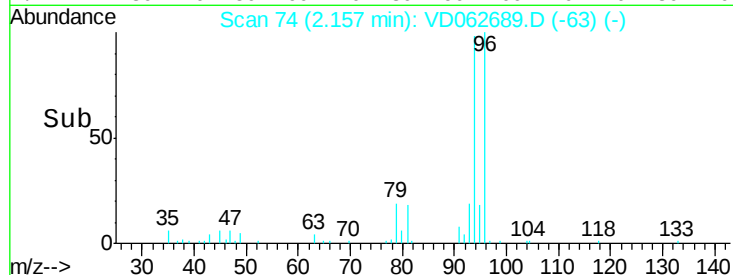
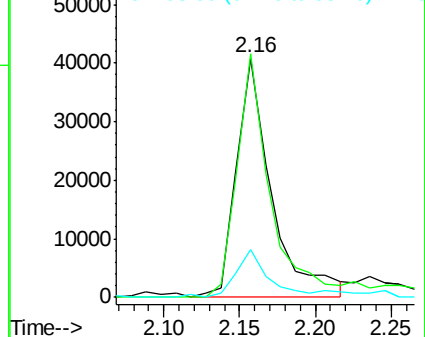
94 100

96 102.0 78.1 117.1

93 19.8 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: 18.383 ug/l

RT: 2.27 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD062689.D

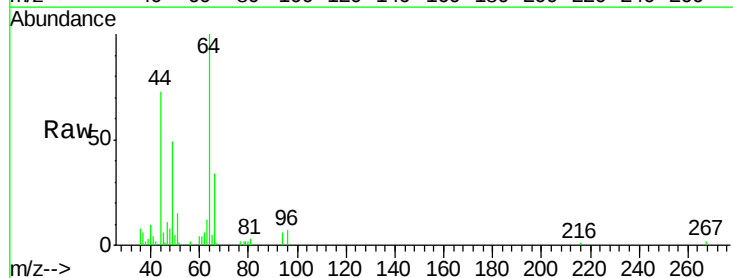
Acq: 13 Jun 2019 12:56

Tgt Ion: 64 Resp: 70400

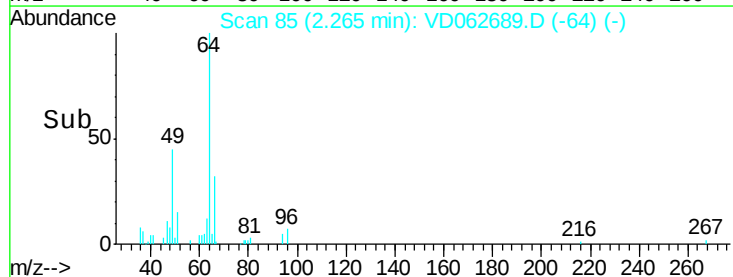
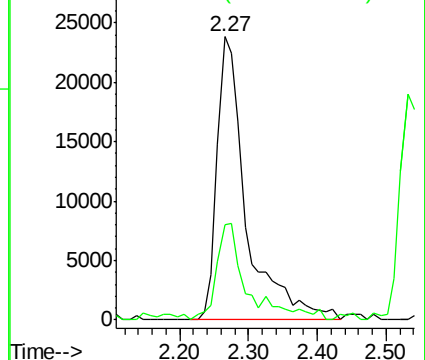
Ion Ratio Lower Upper

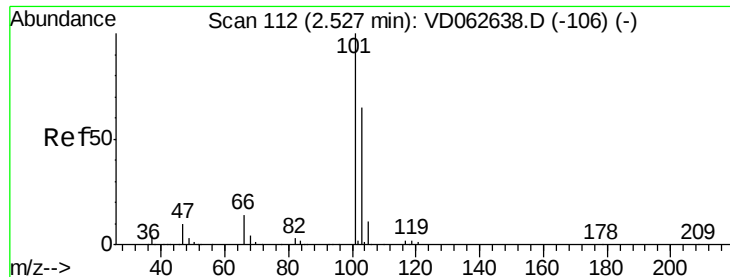
64 100

66 33.7 21.9 32.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



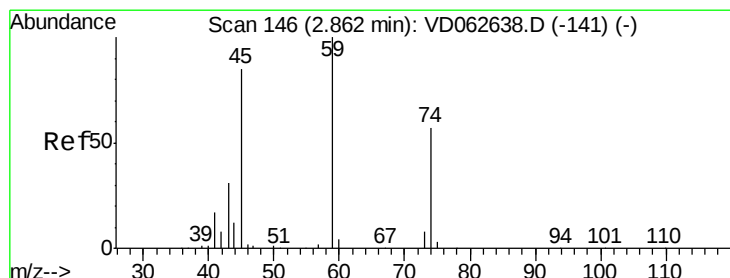
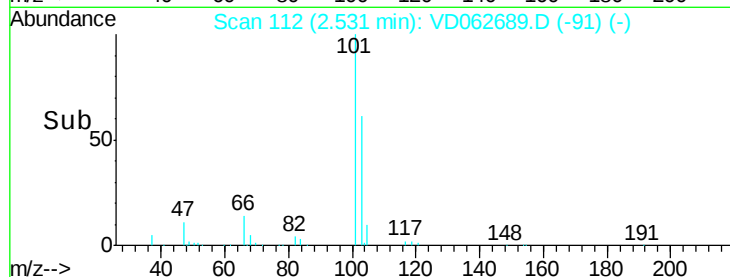
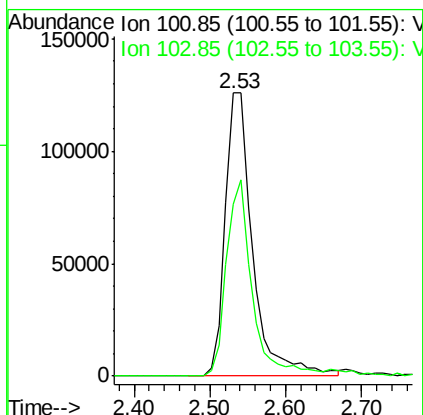
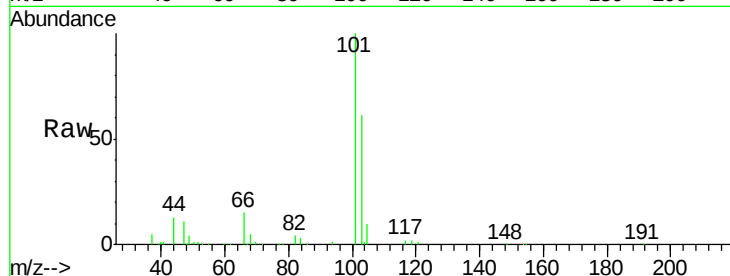


#7

Trichlorofluoromethane
 Concen: 18.260 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBSD01

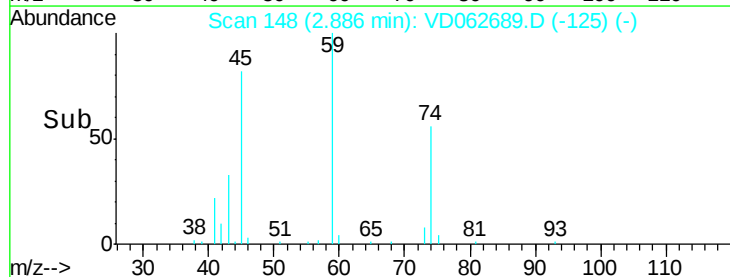
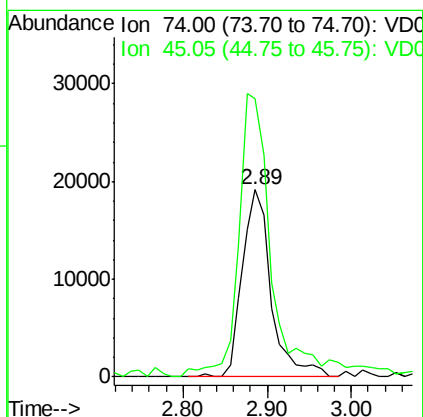
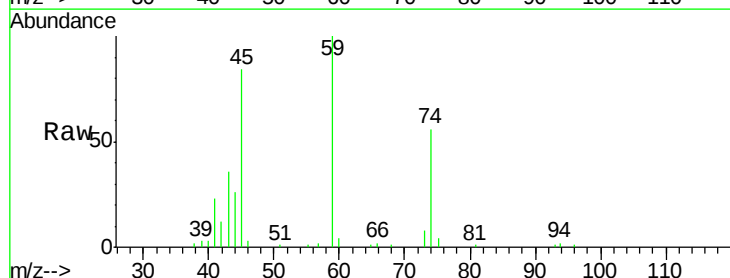
Tot Ion:101 Resp: 317023
 Ion Ratio Lower Upper
 101 100
 103 60.7 52.2 78.2

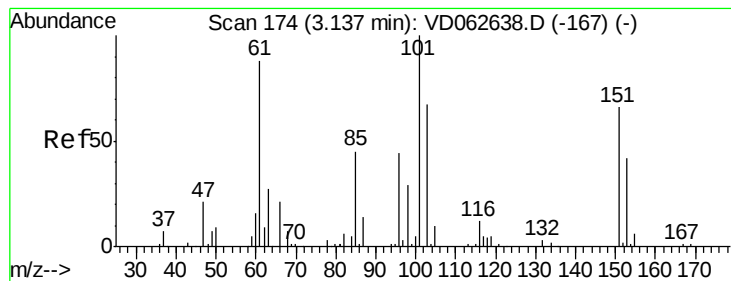


#8

Diethyl Ether
 Concen: 19.401 ug/l
 RT: 2.89 min Scan# 148
 Delta R.T. 0.02 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Tgt Ion: 74 Resp: 45812
 Ion Ratio Lower Upper
 74 100
 45 148.8 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.279 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

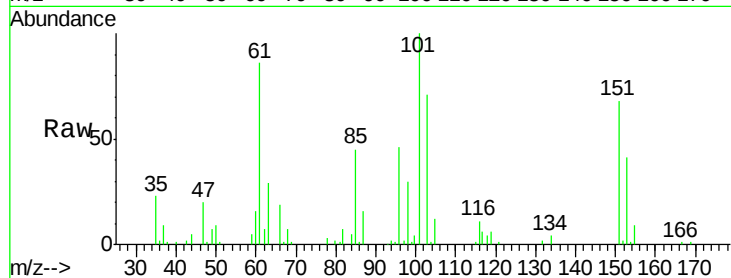
Tot Ion:101 Resp: 189871

Ion Ratio Lower Upper

101 100

85 45.5 36.0 54.0

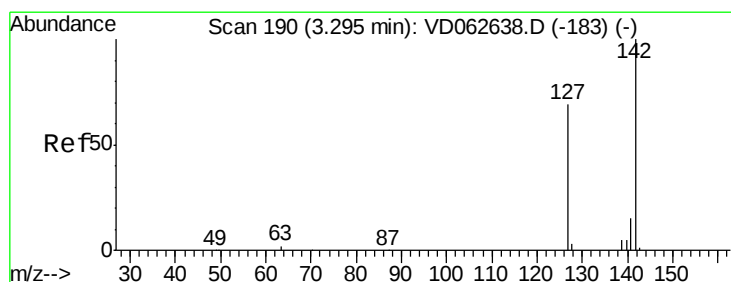
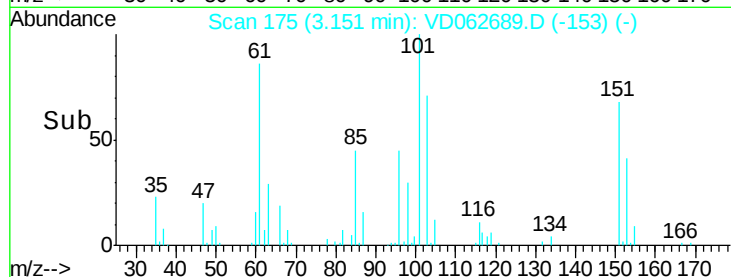
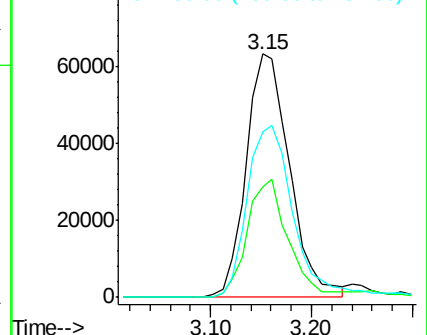
151 68.0 52.6 79.0



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: 18.992 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

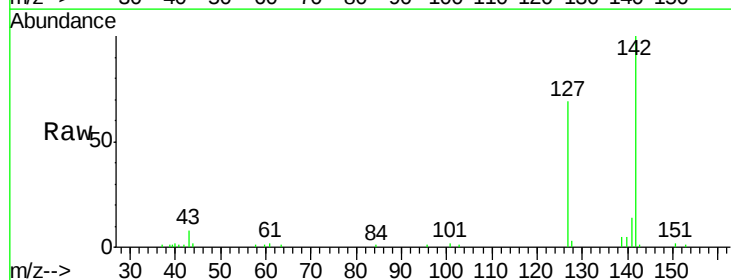
Tgt Ion:142 Resp: 221401

Ion Ratio Lower Upper

142 100

127 69.1 55.2 82.8

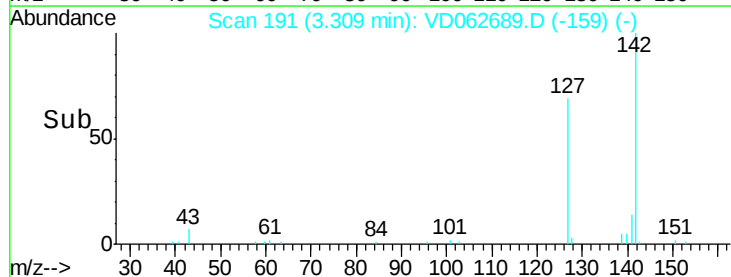
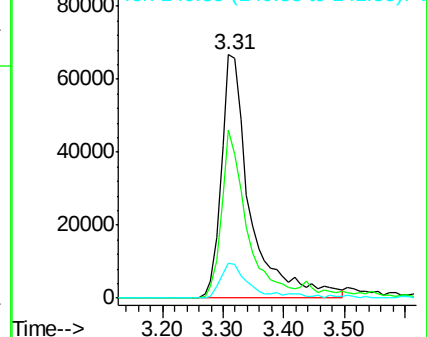
141 14.3 12.1 18.1

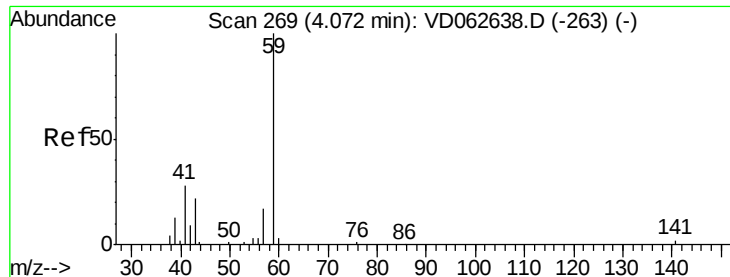


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

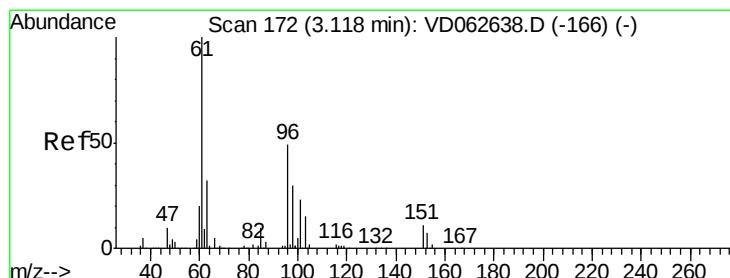
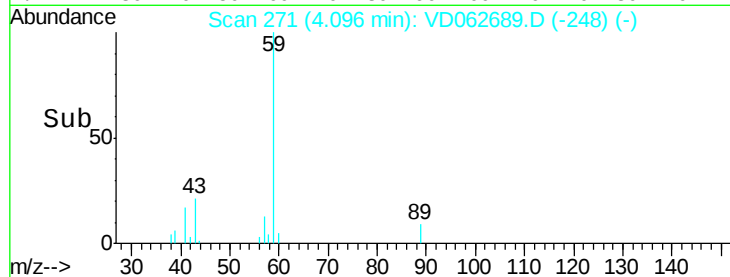
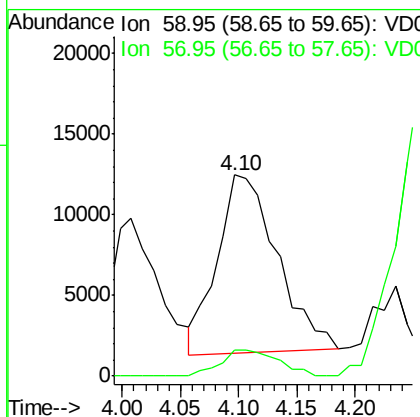
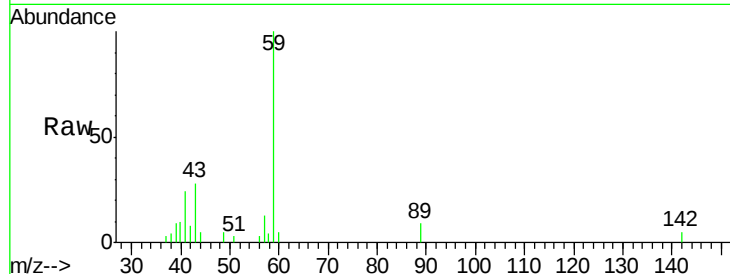




#11
Tert butyl alcohol
Concen: 87.197 ug/l
RT: 4.10 min Scan# 271
Delta R.T. 0.02 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

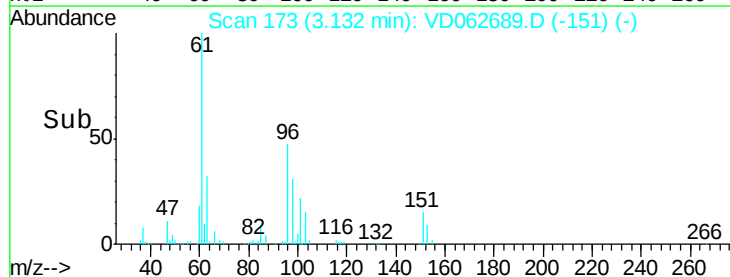
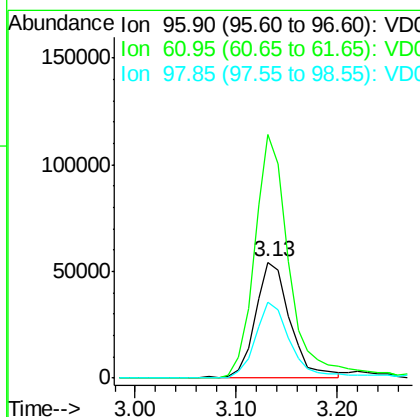
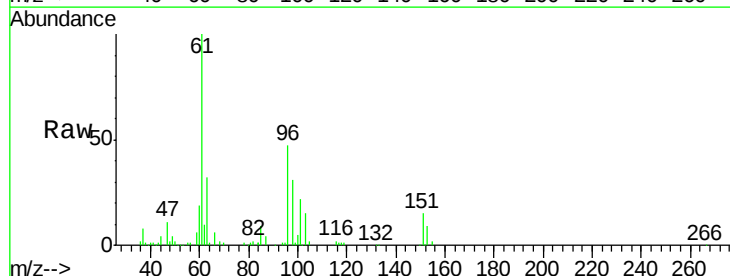
Instrument :
MSVOA_D
ClientSampleId :
VD0613SBSD01

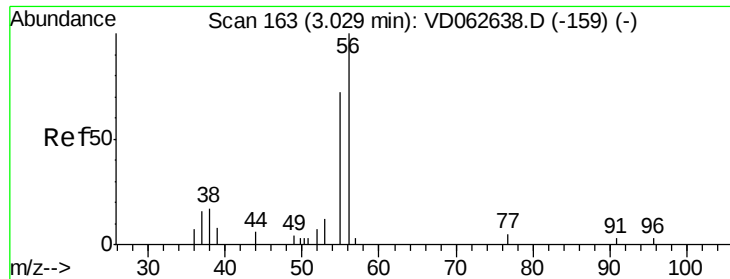
Tot Ion: 59 Resp: 39319
Ion Ratio Lower Upper
59 100
57 13.2 13.7 20.5#



#12
1,1-Dichloroethene
Concen: 19.306 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Tgt Ion: 96 Resp: 129724
Ion Ratio Lower Upper
96 100
61 210.6 161.8 242.8
98 65.8 48.2 72.4





#13

Acrolein

Concen: 95.576 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

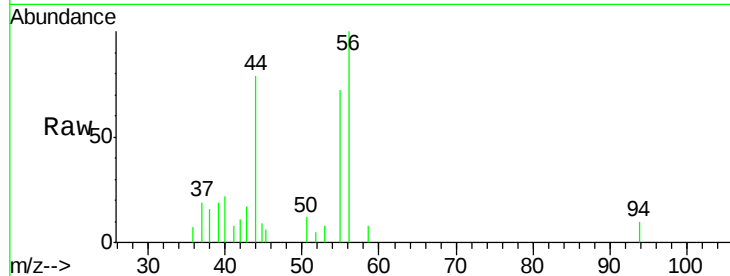
VD0613SBSD01

Tot Ion: 56 Resp: 13863

Ion Ratio Lower Upper

56 100

55 72.2 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

6000

5000

4000

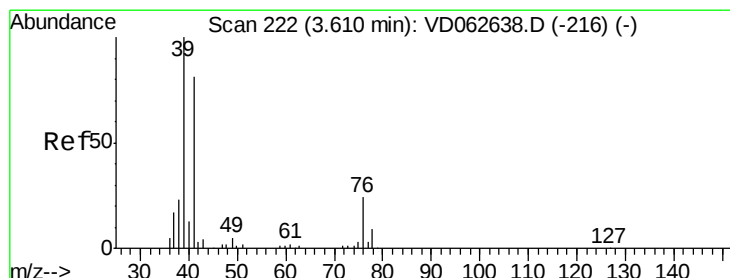
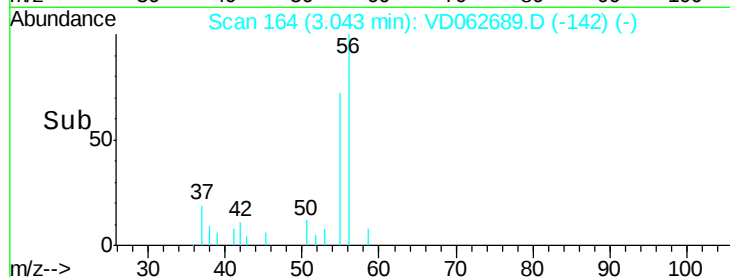
3000

2000

1000

0

Time--> 2.95 3.00 3.05 3.10 3.15



#14

Allyl chloride

Concen: 19.361 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

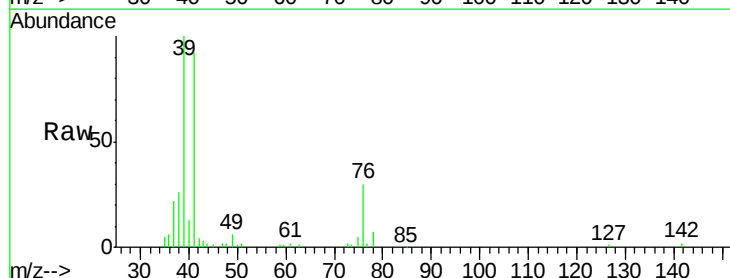
Tgt Ion: 41 Resp: 200027

Ion Ratio Lower Upper

41 100

39 109.0 99.1 148.7

76 32.2 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

3.62

100000

80000

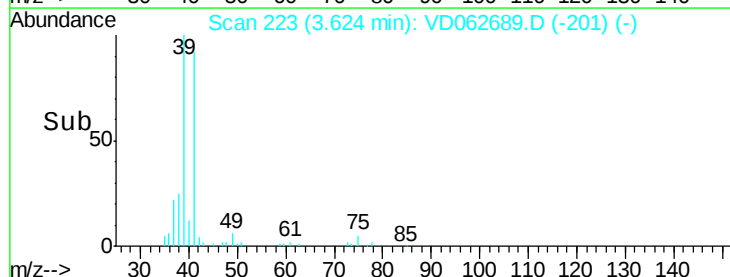
60000

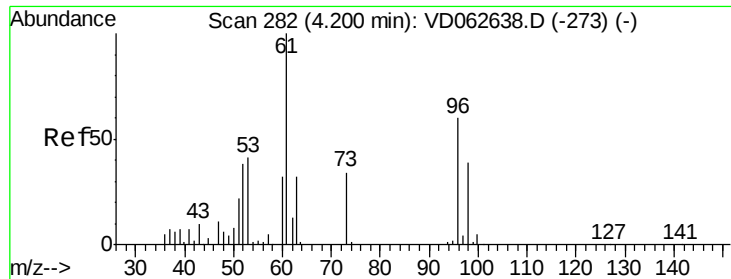
40000

20000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 106.680 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

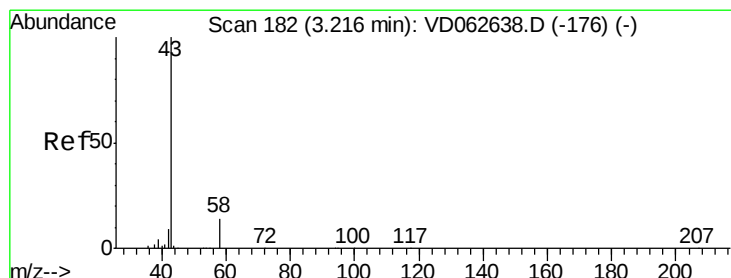
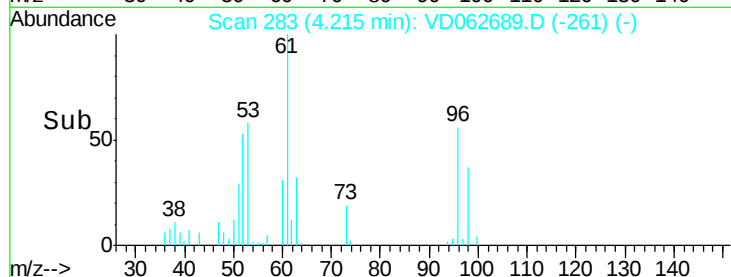
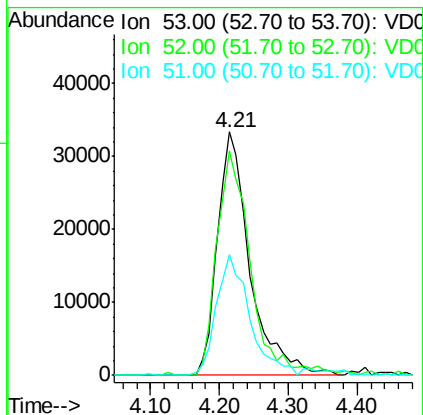
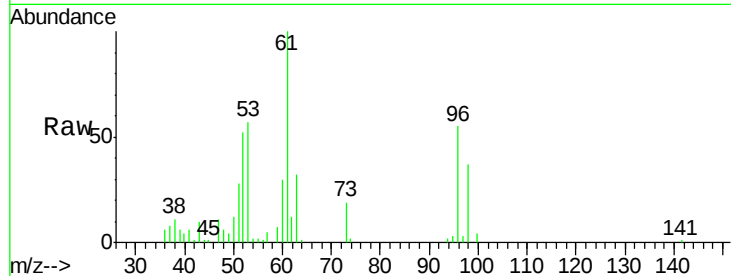
Tot Ion: 53 Resp: 109312

Ion Ratio Lower Upper

53 100

52 92.0 73.6 110.4

51 49.4 42.0 63.0



#16

Acetone

Concen: 101.420 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD062689.D

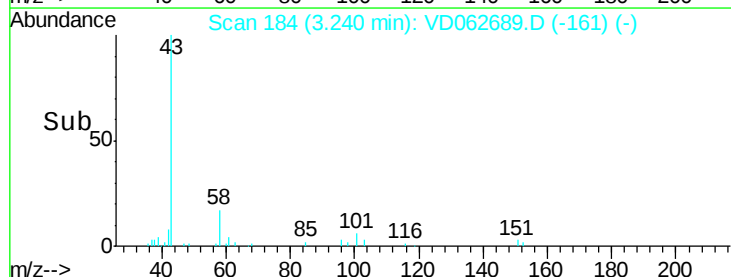
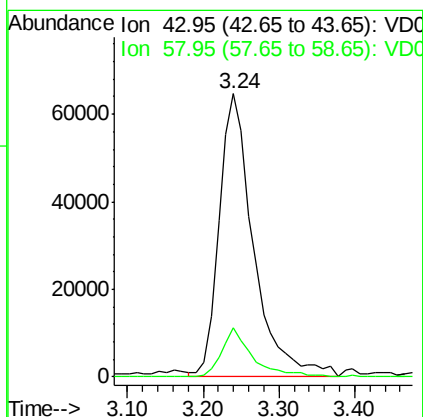
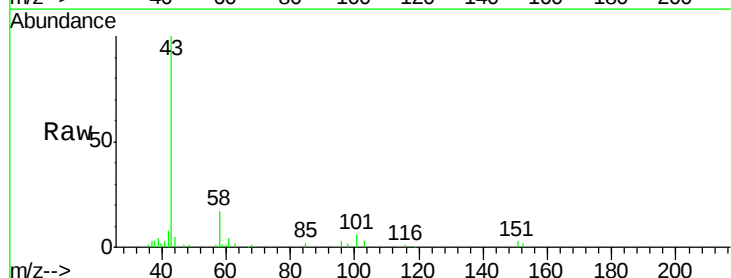
Acq: 13 Jun 2019 12:56

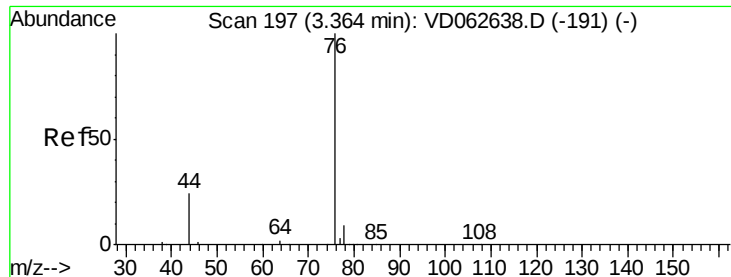
Tgt Ion: 43 Resp: 203729

Ion Ratio Lower Upper

43 100

58 17.3 10.8 16.2#

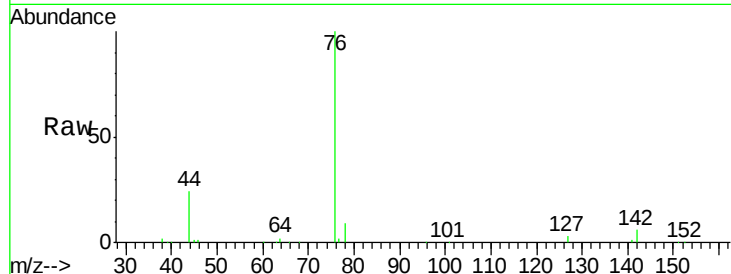




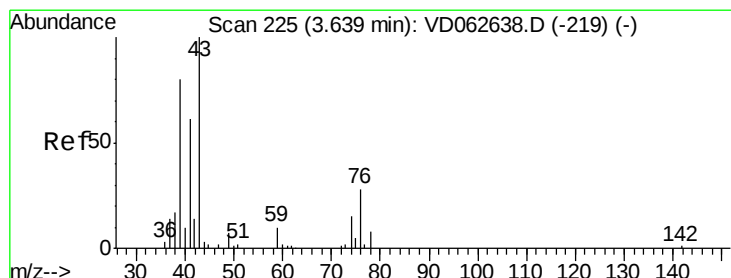
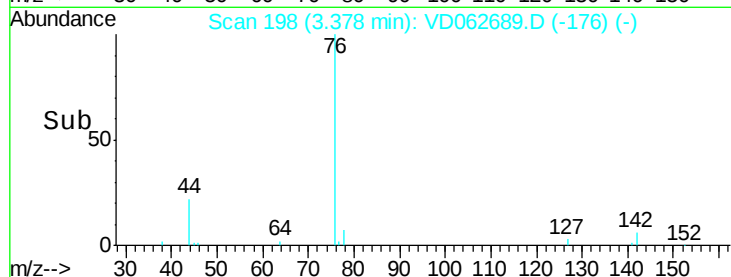
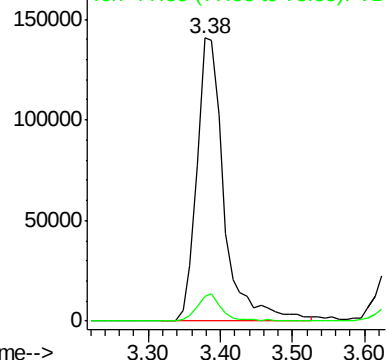
#17
Carbon Disulfide
Concen: 18.658 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0613SBSD01

Tot Ion: 76 Resp: 369433
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4

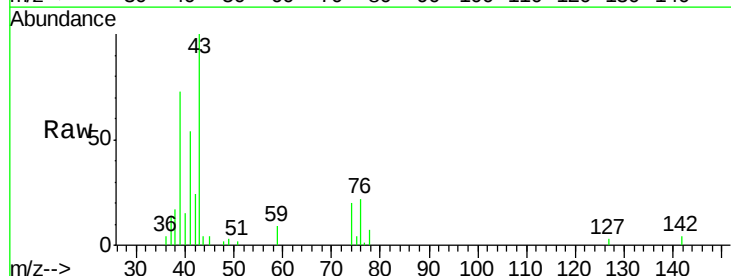


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

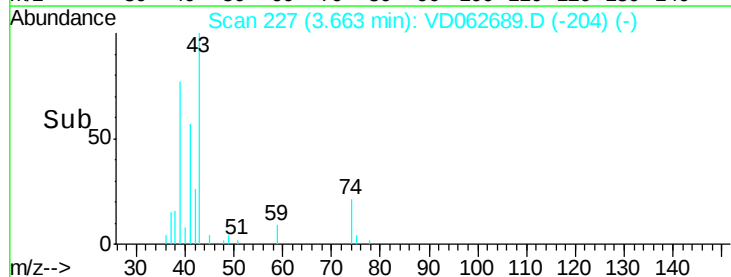
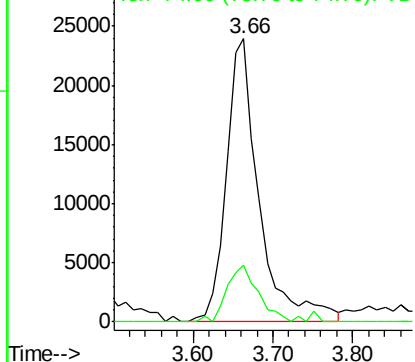


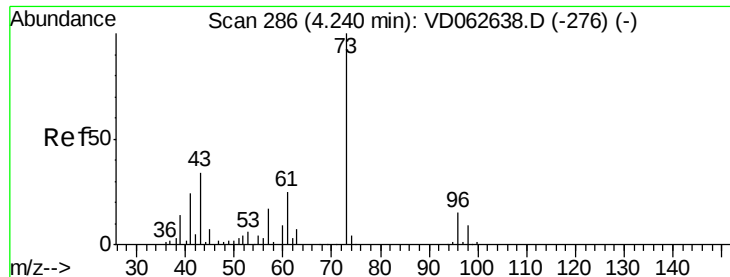
#18
Methyl Acetate
Concen: 20.873 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.02 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Tgt Ion: 43 Resp: 68906
Ion Ratio Lower Upper
43 100
74 20.1 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



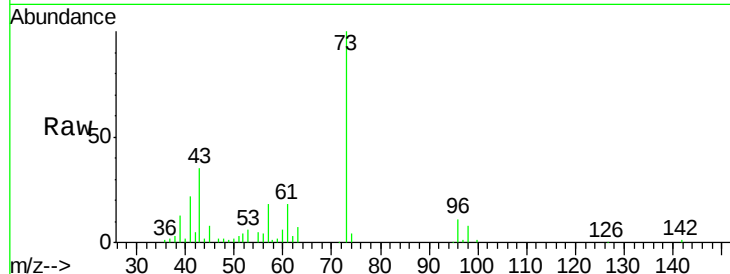


#19

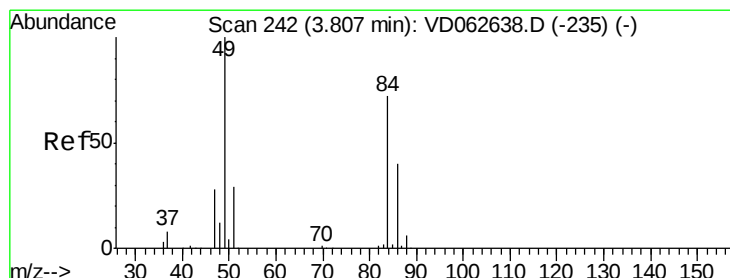
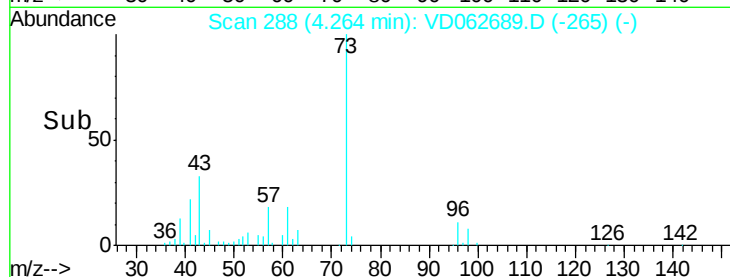
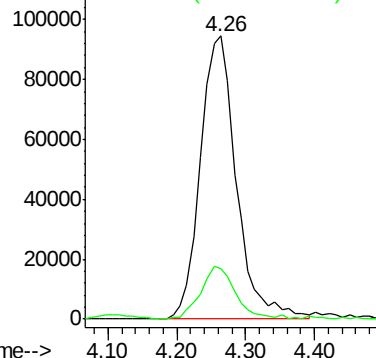
Methyl tert-butyl Ether
 Concen: 20.918 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.02 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0613SBSD01

Tot Ion: 73 Resp: 342797
 Ion Ratio Lower Upper
 73 100
 57 17.9 13.5 20.3



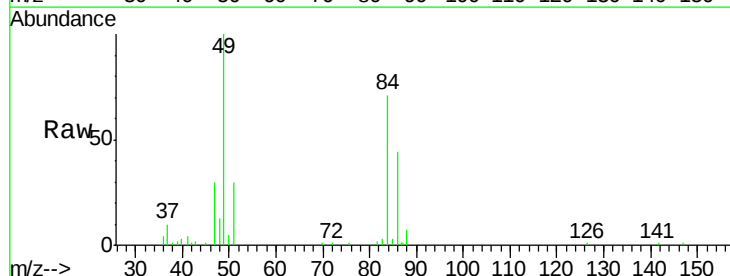
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



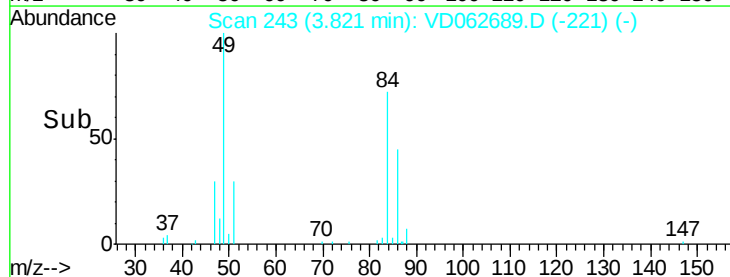
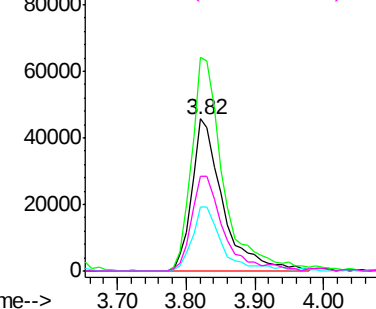
#20

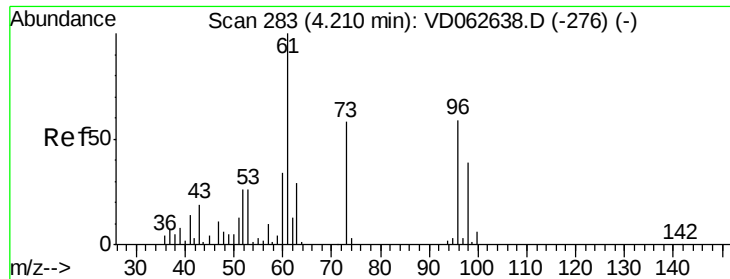
Methylene Chloride
 Concen: 18.525 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Tgt Ion: 84 Resp: 142710
 Ion Ratio Lower Upper
 84 100
 49 140.7 111.2 166.8
 51 42.5 31.9 47.9
 86 62.5 44.7 67.1



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 19.201 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

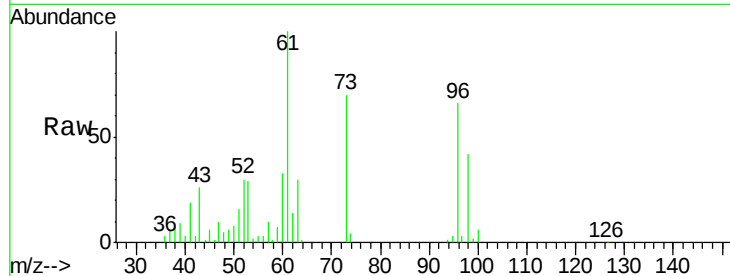
Tot Ion: 96 Resp: 141521

Ion Ratio Lower Upper

96 100

61 151.3 134.6 201.8

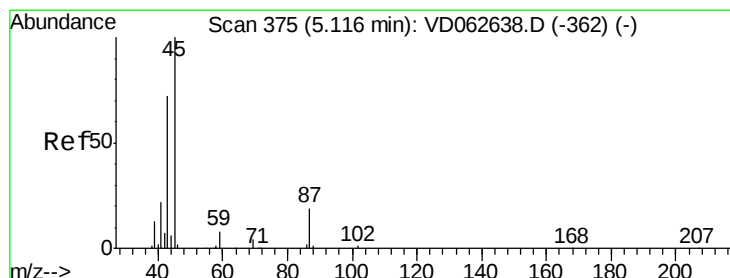
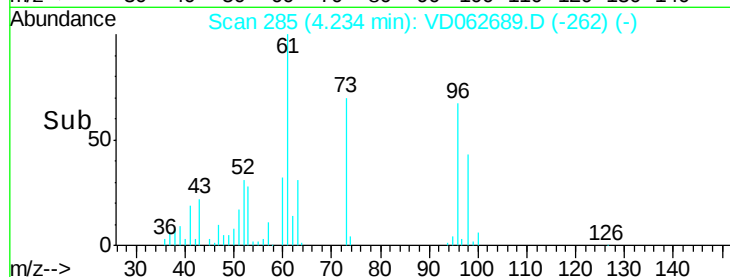
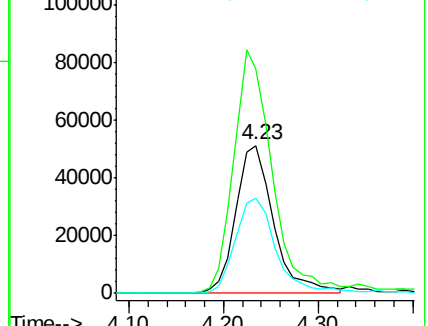
98 64.0 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.273 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Tgt Ion: 45 Resp: 434904

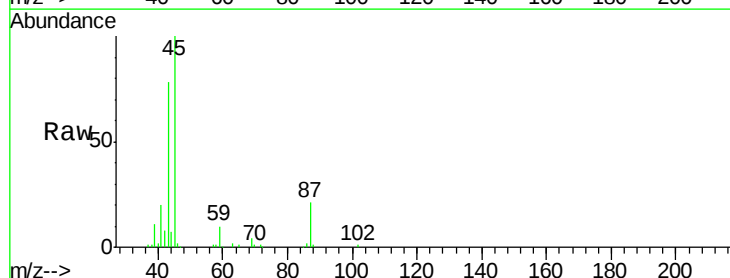
Ion Ratio Lower Upper

45 100

43 78.3 58.8 88.2

87 20.6 15.7 23.5

59 10.1 6.6 9.8#

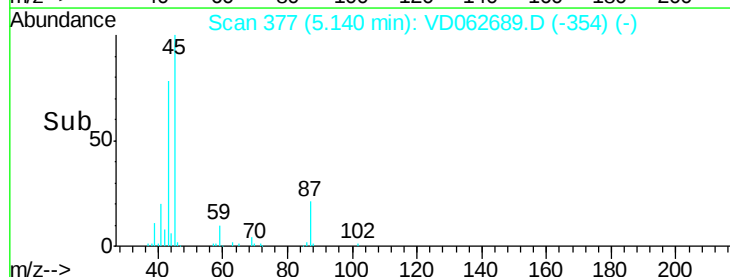
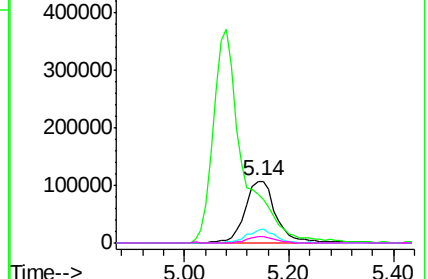


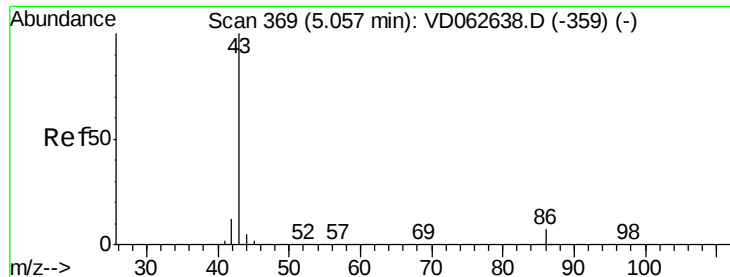
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 108.625 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

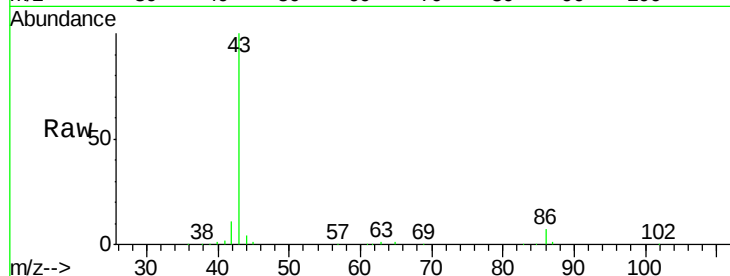
VD0613SBSD01

Tot Ion: 43 Resp: 1445668

Ion Ratio Lower Upper

43 100

86 6.7 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.08

400000

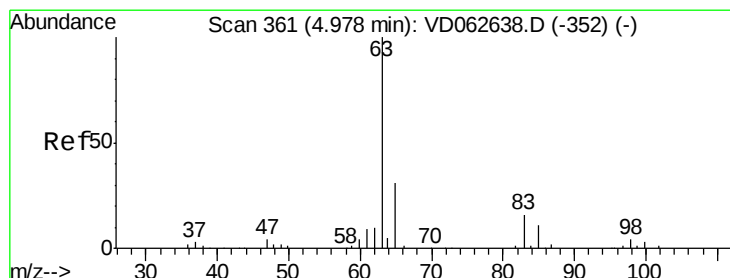
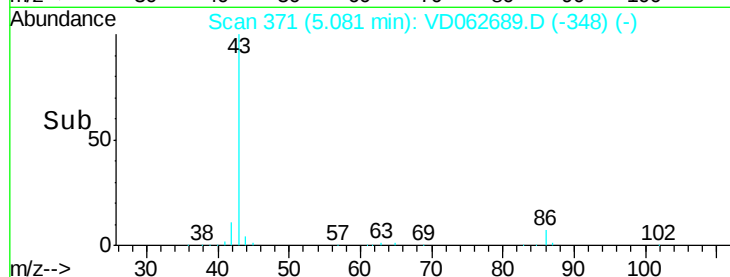
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.020 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

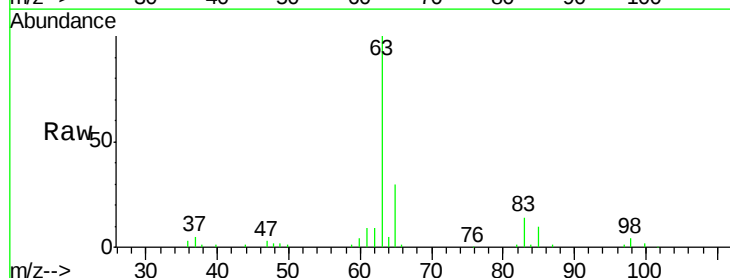
Tgt Ion: 63 Resp: 276284

Ion Ratio Lower Upper

63 100

98 4.3 1.8 5.4

100 2.0 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

100000

80000

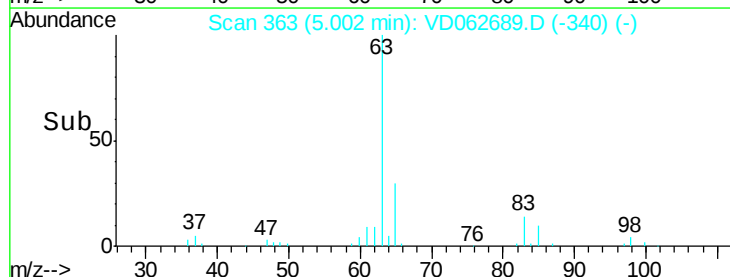
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 102.333 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

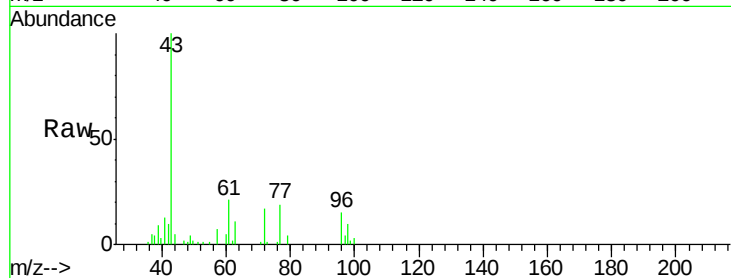
VD0613SBSD01

Tot Ion: 43 Resp: 200545

Ion Ratio Lower Upper

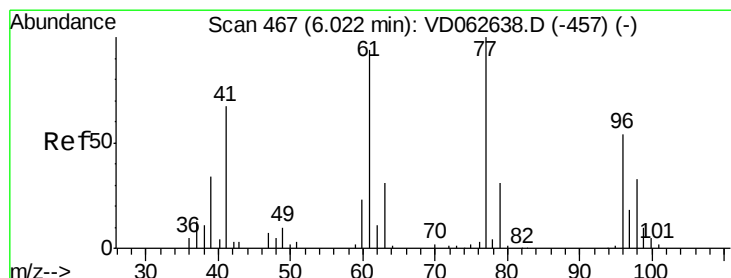
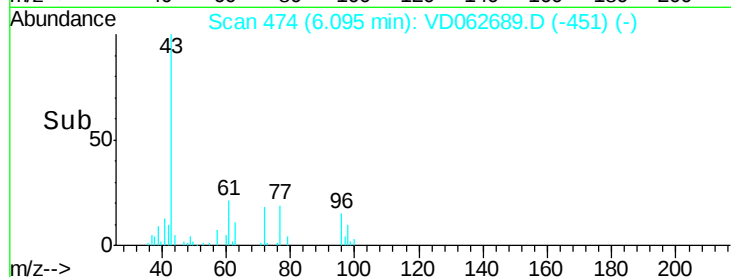
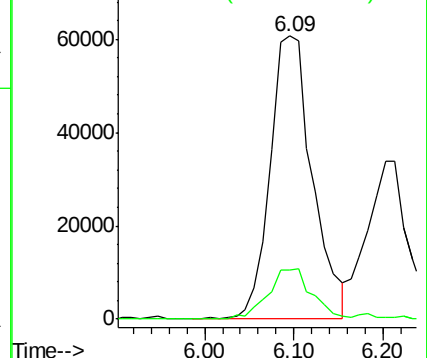
43 100

72 17.4 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: 19.064 ug/l

RT: 6.05 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD062689.D

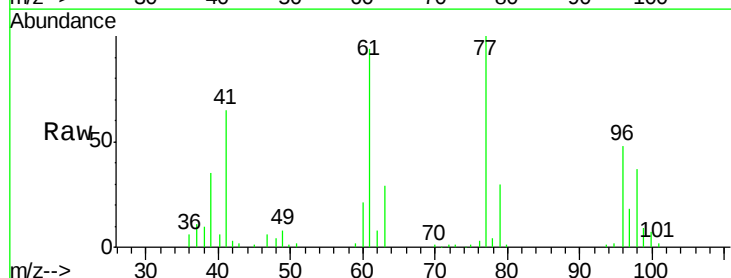
Acq: 13 Jun 2019 12:56

Tgt Ion: 77 Resp: 303231

Ion Ratio Lower Upper

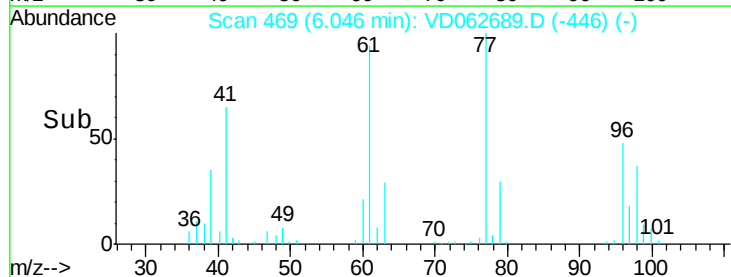
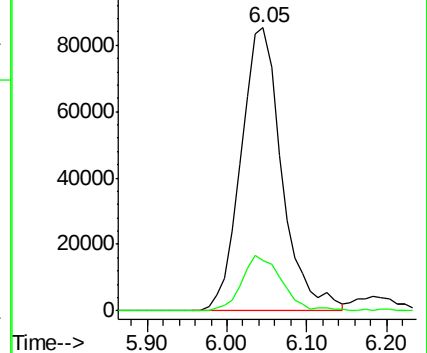
77 100

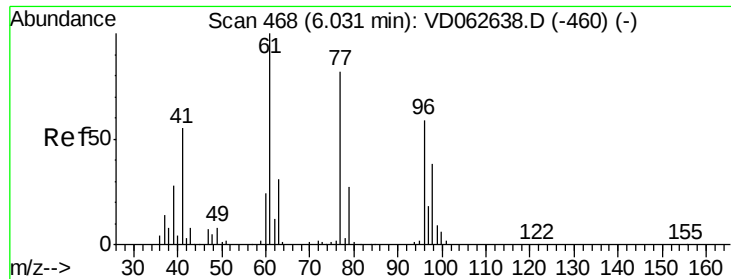
97 17.9 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



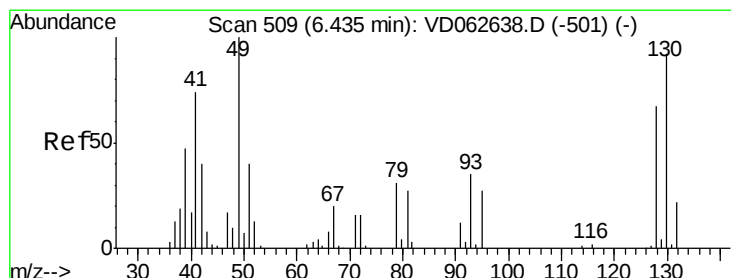
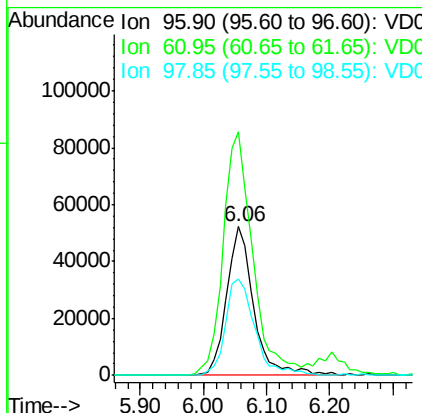
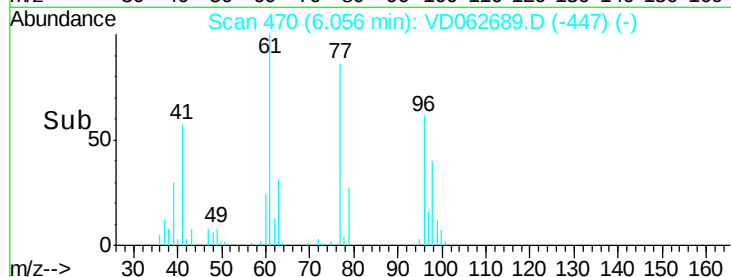
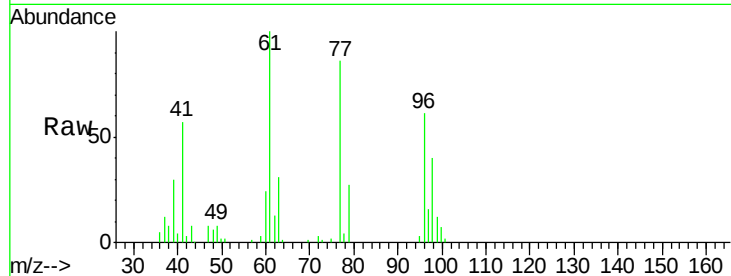


#27

cis-1,2-Dichloroethene
Concen: 19.344 ug/l
RT: 6.06 min Scan# 470
Delta R.T. 0.02 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0613SBSD01

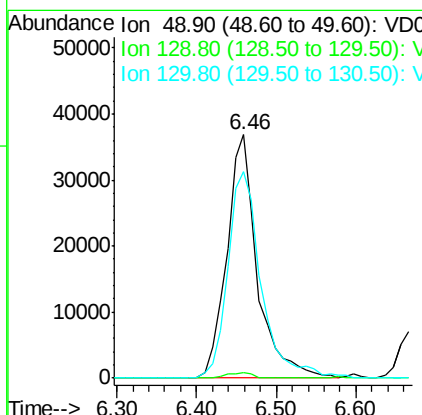
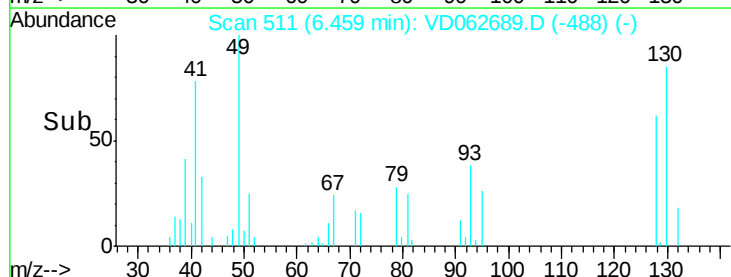
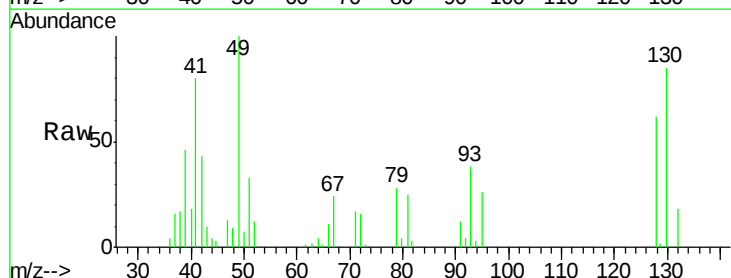
Tot Ion: 96 Resp: 154563
Ion Ratio Lower Upper
96 100
61 163.8 0.0 340.0
98 64.9 0.0 127.6



#28

Bromochloromethane
Concen: 18.688 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.02 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Tgt Ion: 49 Resp: 98588
Ion Ratio Lower Upper
49 100
129 2.3 0.0 8.2
130 84.7 73.4 110.0





#29

Tetrahydrofuran

Concen: 103.670 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

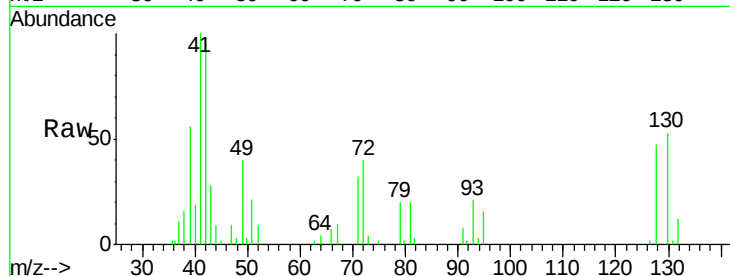
Tot Ion: 42 Resp: 91491

Ion Ratio Lower Upper

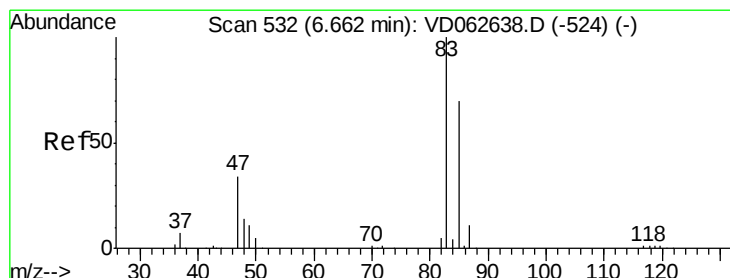
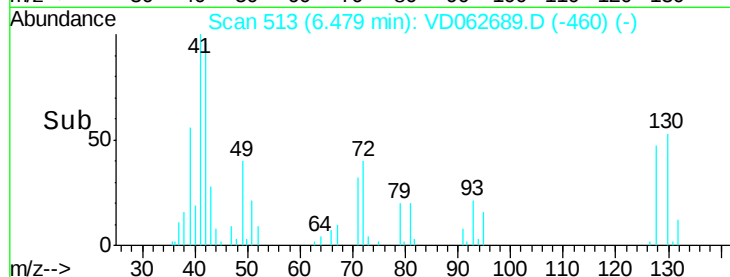
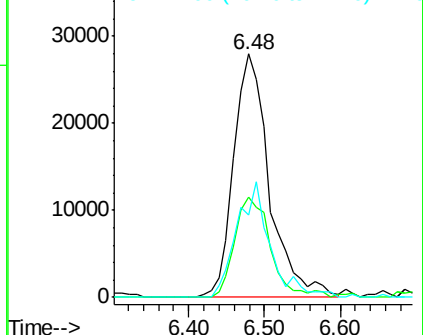
42 100

72 41.4 33.8 50.6

71 44.2 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: 19.143 ug/l

RT: 6.69 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD062689.D

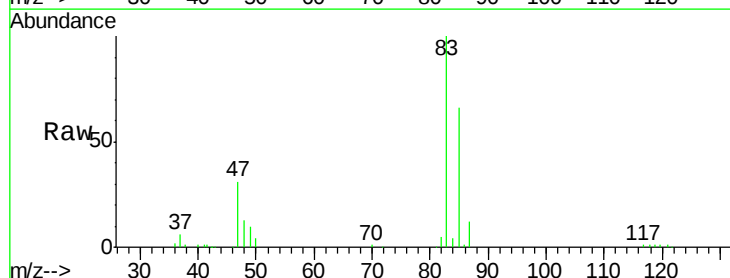
Acq: 13 Jun 2019 12:56

Tgt Ion: 83 Resp: 338959

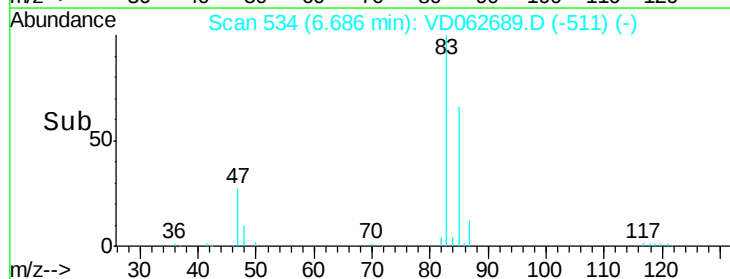
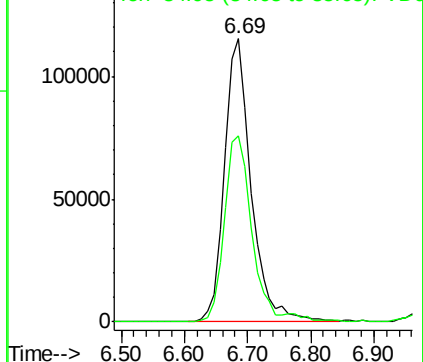
Ion Ratio Lower Upper

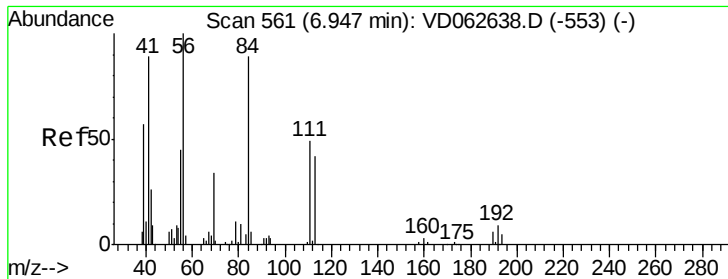
83 100

85 65.9 55.8 83.6



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

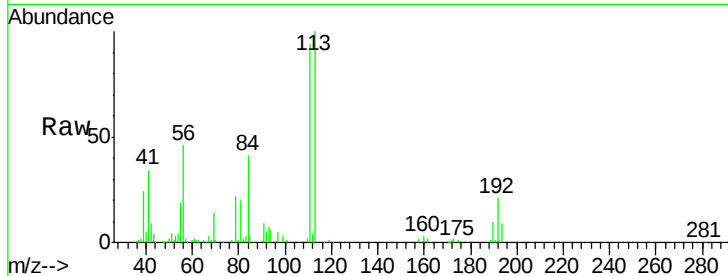




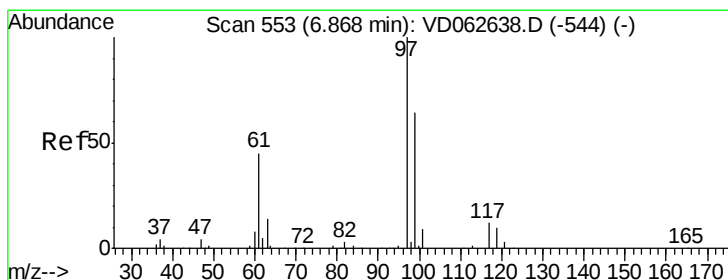
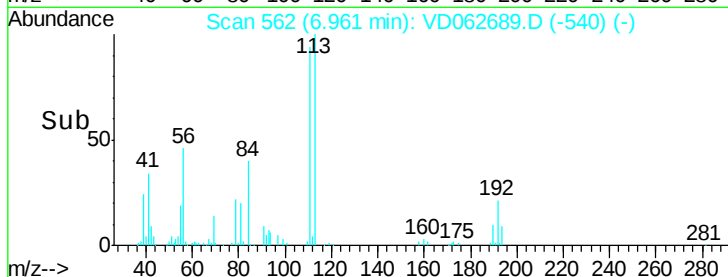
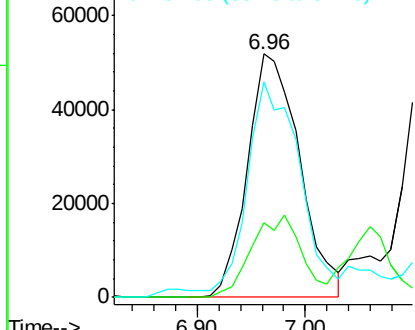
#31
Cyclohexane
Concen: 20.044 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0613SBSD01

Tot Ion: 56 Resp: 173521
Ion Ratio Lower Upper
56 100
69 30.7 26.8 40.2
84 88.5 73.9 110.9

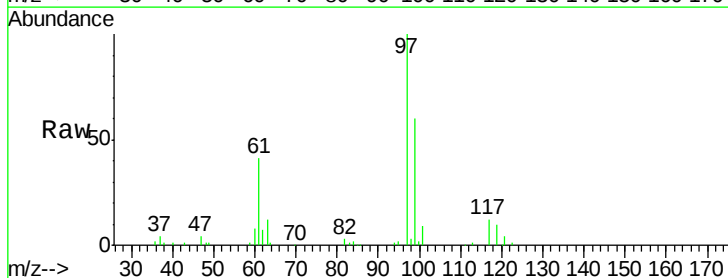


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

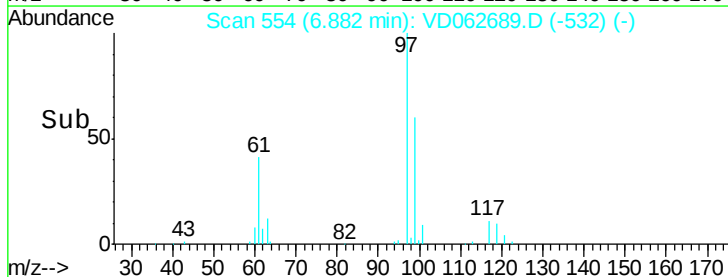
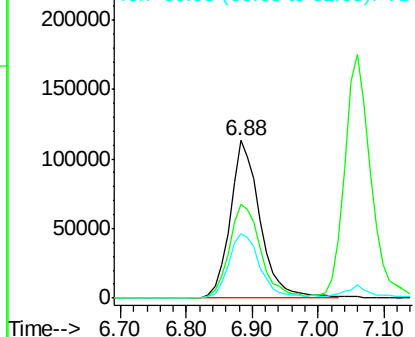


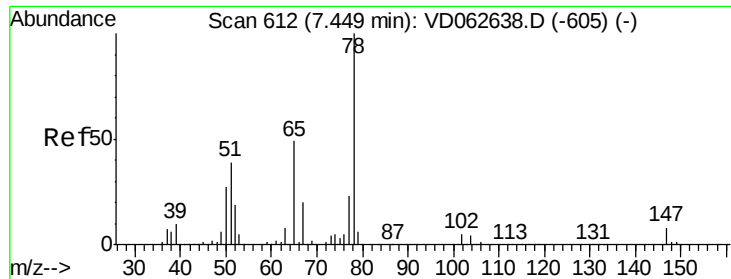
#32
1,1,1-Trichloroethane
Concen: 20.430 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.01 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Tgt Ion: 97 Resp: 359955
Ion Ratio Lower Upper
97 100
99 59.8 51.4 77.0
61 41.3 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: 49.337 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

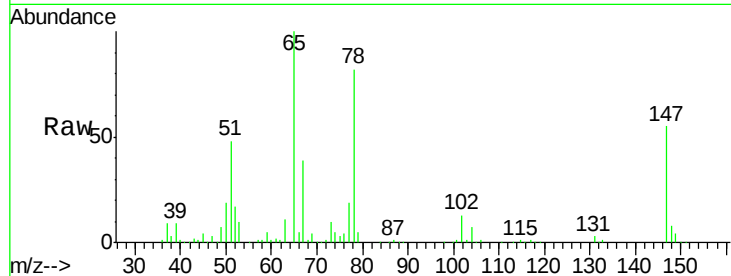
VD0613SBSD01

Tot Ion: 65 Resp: 541226

Ion Ratio Lower Upper

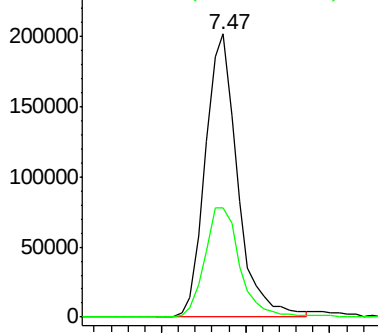
65 100

67 38.7 0.0 81.8

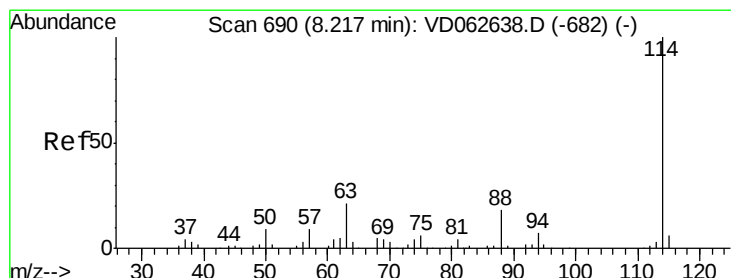
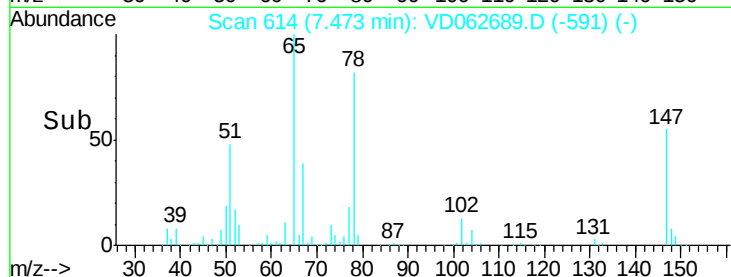


Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

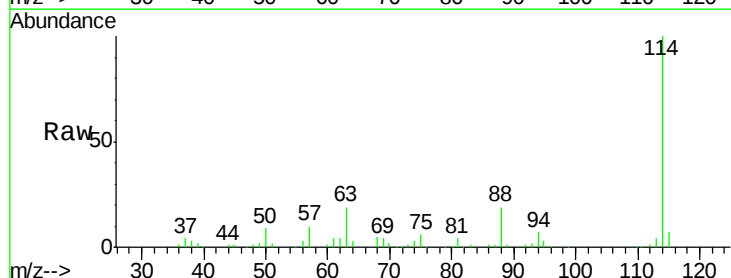
Tgt Ion: 114 Resp: 999377

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

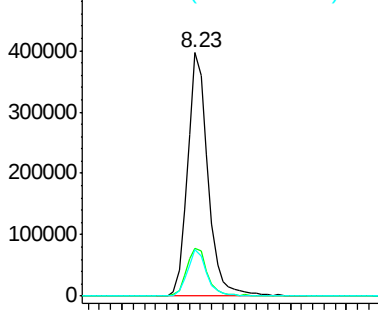
88 19.0 0.0 36.8



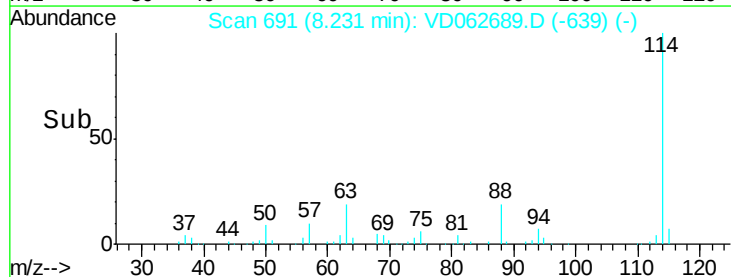
Abundance Ion 114.00 (113.70 to 114.70): V

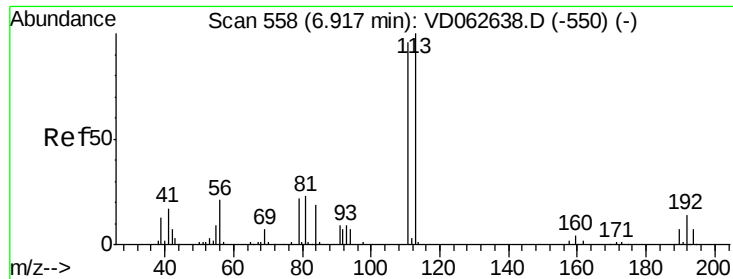
Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



Time-->





#35

Dibromofluoromethane

Concen: 51.195 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

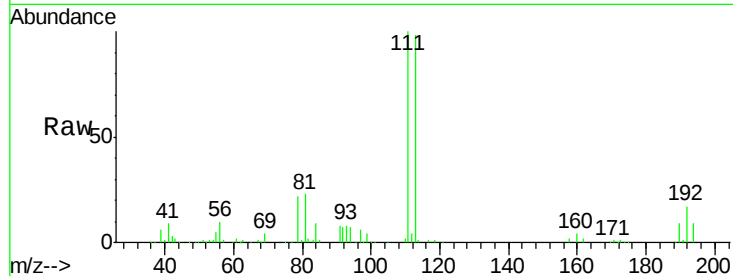
Tot Ion:113 Resp: 539583

Ion Ratio Lower Upper

113 100

111 102.2 76.4 114.6

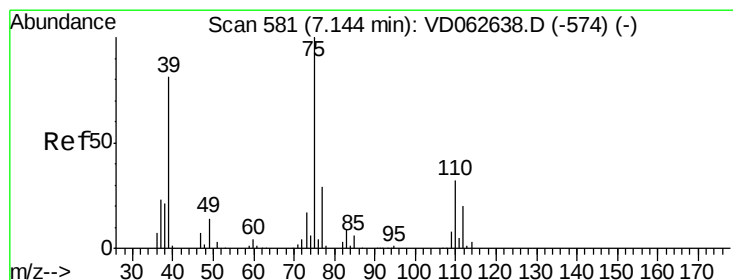
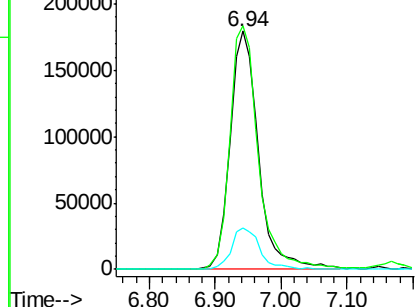
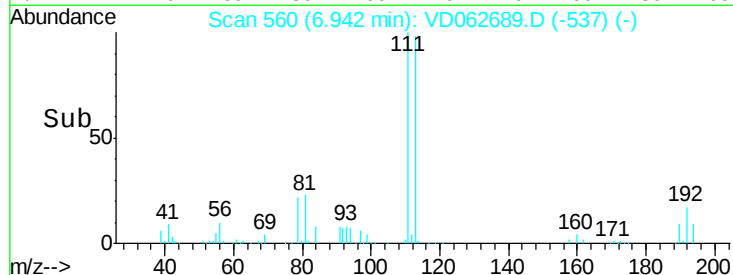
192 17.3 11.4 17.0#



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: 19.441 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

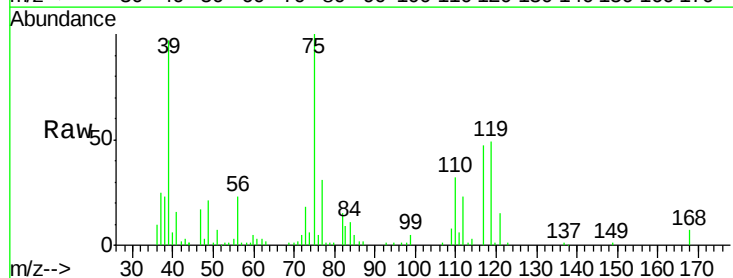
Tgt Ion: 75 Resp: 222365

Ion Ratio Lower Upper

75 100

110 31.8 15.9 47.7

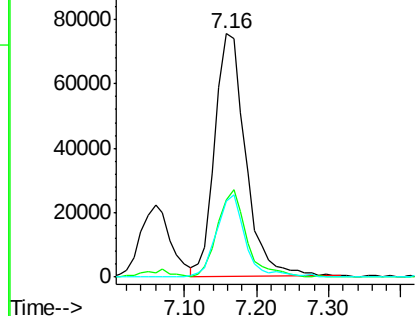
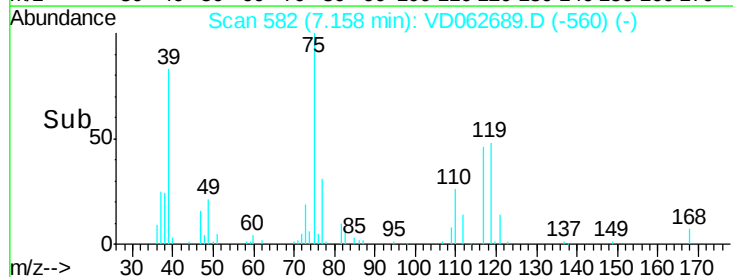
77 31.2 23.3 34.9

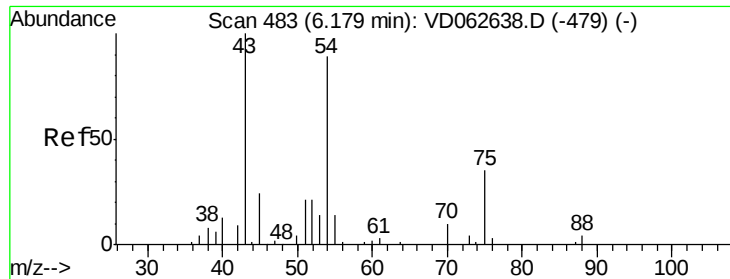


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

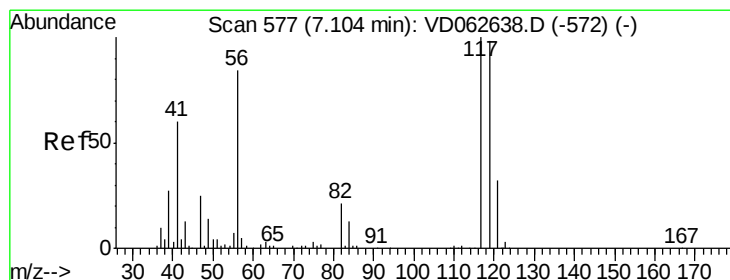
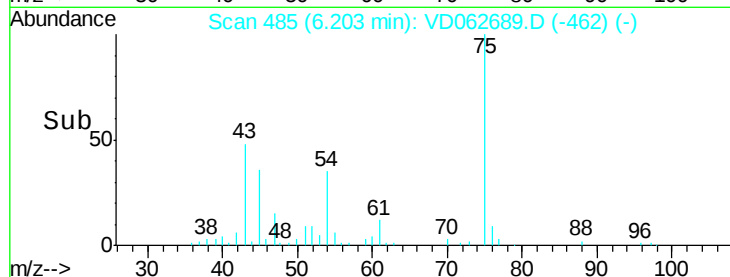
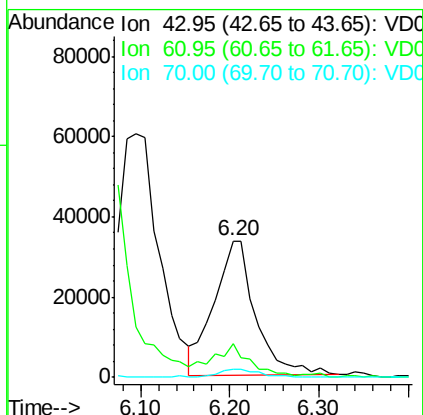
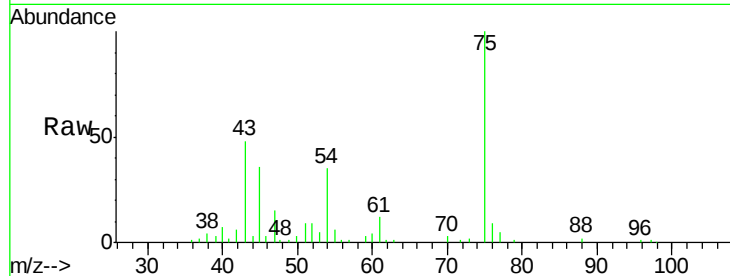




#37
Ethyl Acetate
Concen: 23.196 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

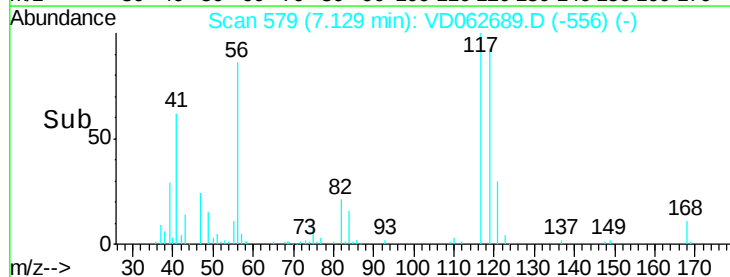
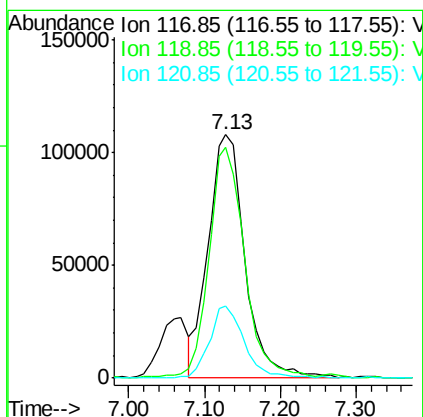
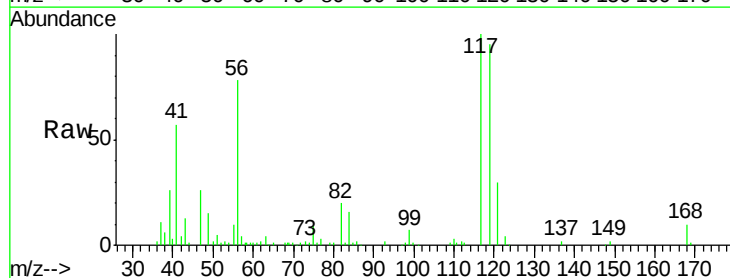
Instrument :
MSVOA_D
ClientSampleId :
VD0613SBSD01

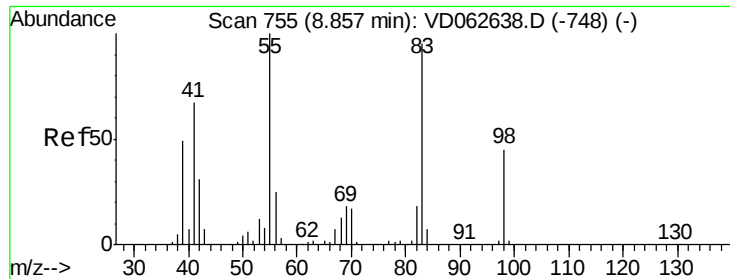
Tot Ion: 43 Resp: 109908
Ion Ratio Lower Upper
43 100
61 24.8 8.7 13.1#
70 6.4 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 19.995 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Tgt Ion: 117 Resp: 361490
Ion Ratio Lower Upper
117 100
119 94.7 73.5 110.3
121 29.6 24.2 36.4

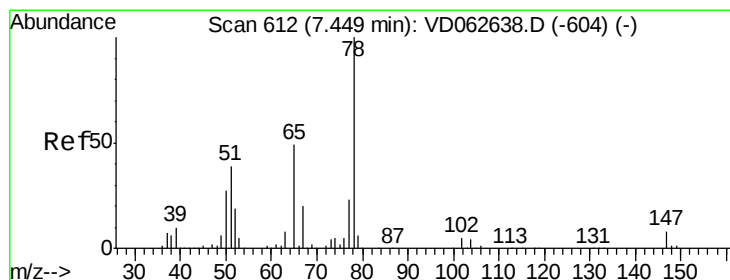
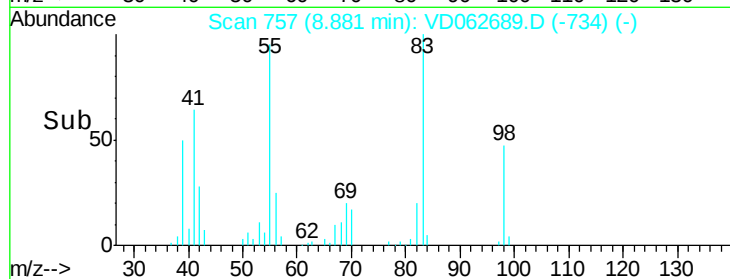
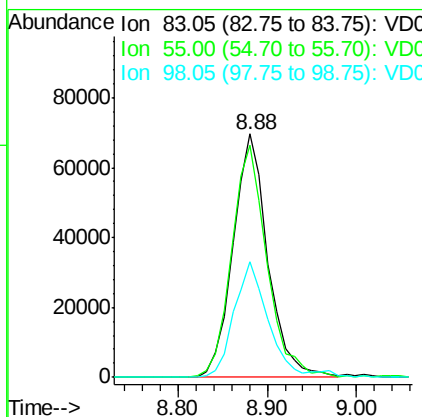
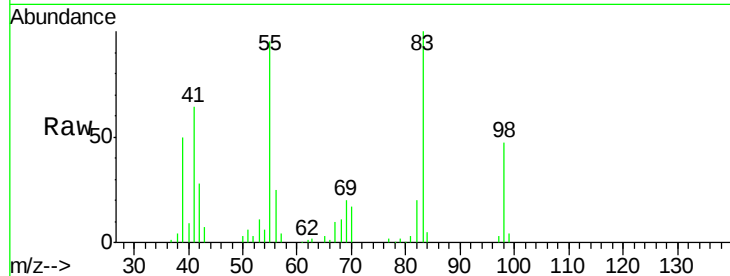




#39
Methvlcvclohexane
Concen: 20.475 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

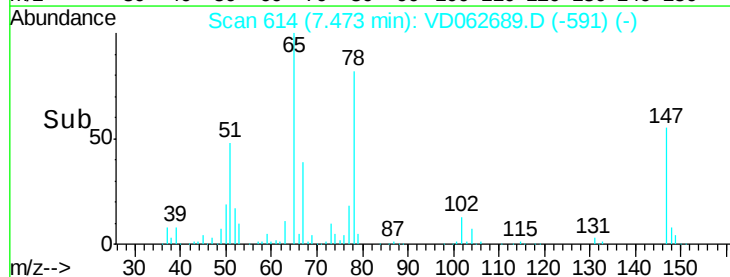
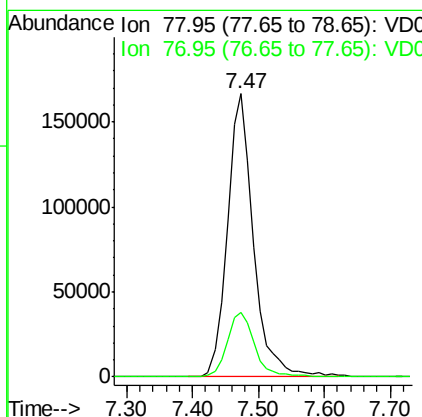
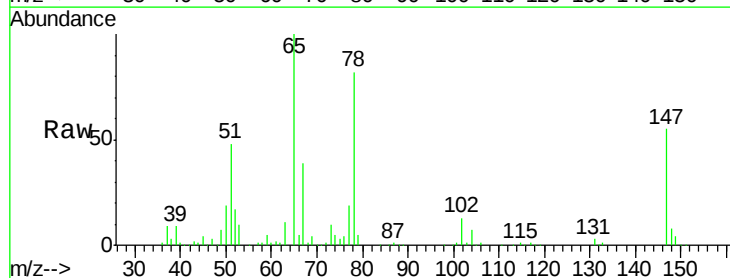
Instrument :
MSVOA_D
ClientSampleId :
VD0613SBSD01

Tot Ion: 83 Resp: 189252
Ion Ratio Lower Upper
83 100
55 95.3 84.6 127.0
98 47.3 38.2 57.4



#40
Benzene
Concen: 20.633 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.02 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Tgt Ion: 78 Resp: 460873
Ion Ratio Lower Upper
78 100
77 22.6 18.6 28.0





#41

Methacrylonitrile

Concen: 22.343 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

Tot Ion: 41 Resp: 133778

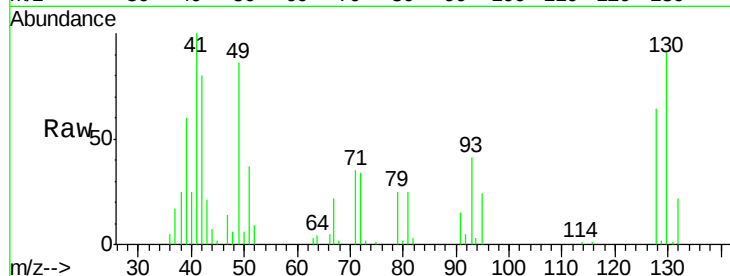
Ion Ratio Lower Upper

41 100

39 60.3 49.2 73.8

67 21.7 13.9 20.9#

52 9.3 7.6 11.4

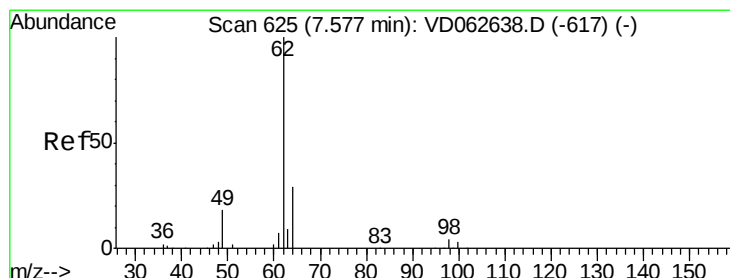
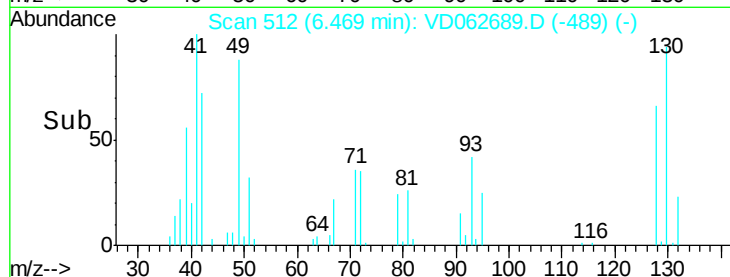
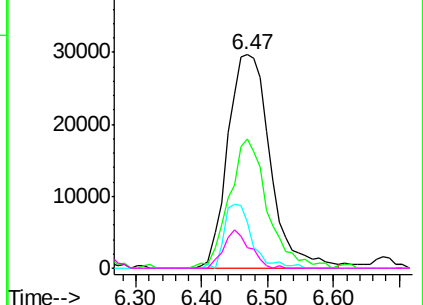


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.127 ug/l

RT: 7.59 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD062689.D

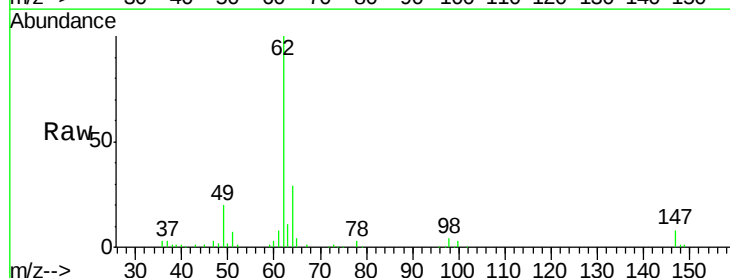
Acq: 13 Jun 2019 12:56

Tgt Ion: 62 Resp: 267963

Ion Ratio Lower Upper

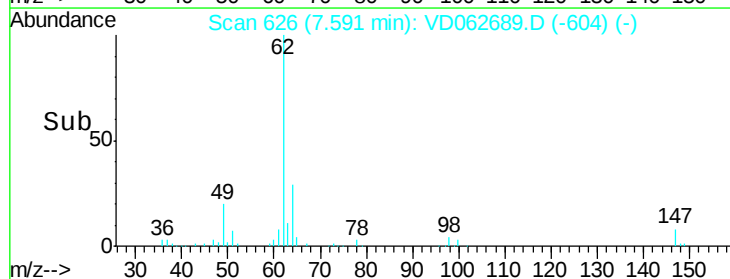
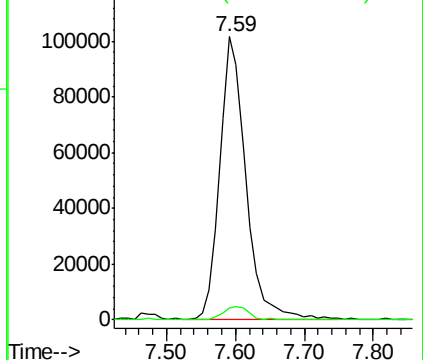
62 100

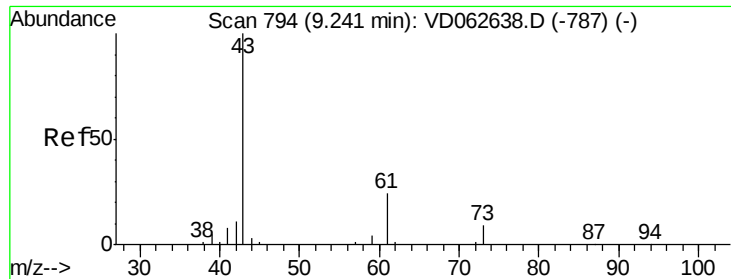
98 4.2 0.0 7.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.769 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

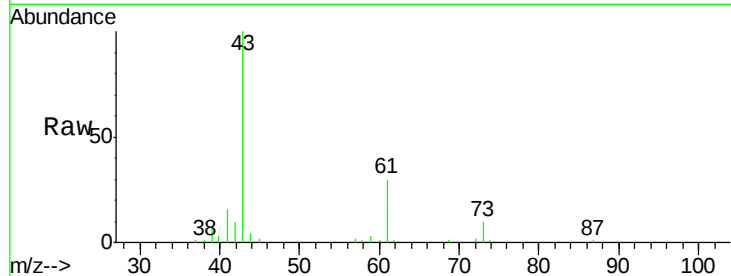
Tot Ion: 43 Resp: 125345

Ion Ratio Lower Upper

43 100

61 29.6 19.0 28.6#

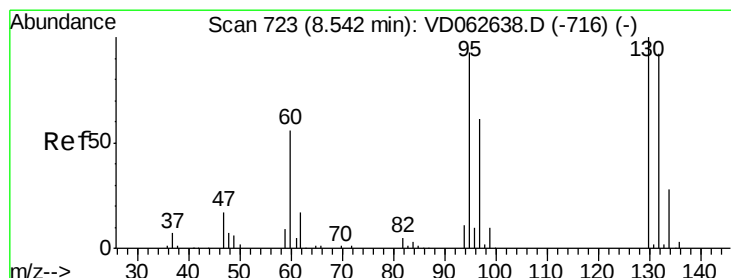
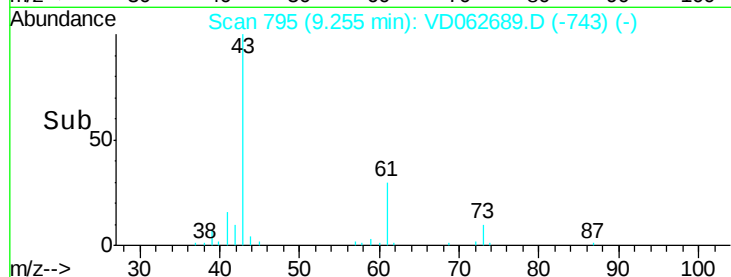
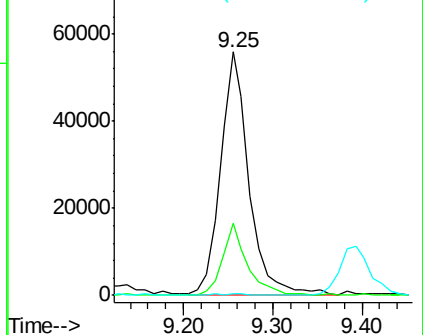
87 0.9 0.3 0.5#



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: 18.922 ug/l

RT: 8.56 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD062689.D

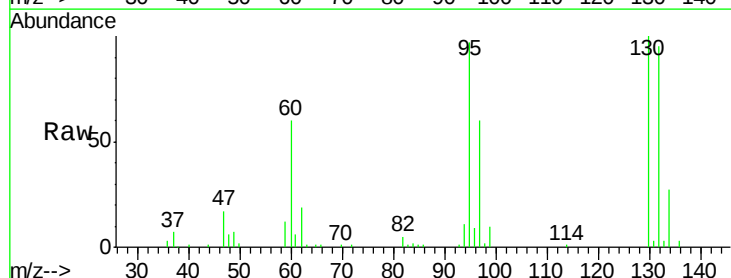
Acq: 13 Jun 2019 12:56

Tgt Ion:130 Resp: 171589

Ion Ratio Lower Upper

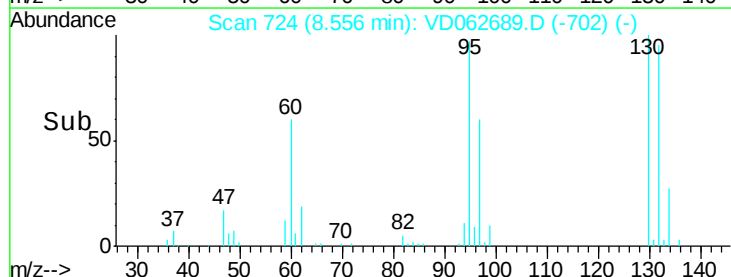
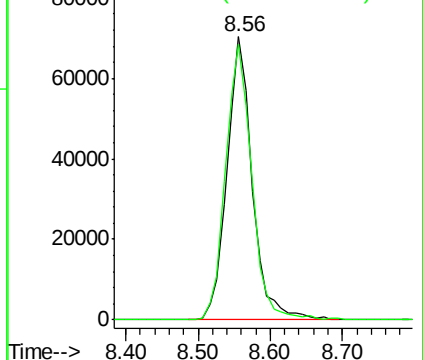
130 100

95 97.2 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.010 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

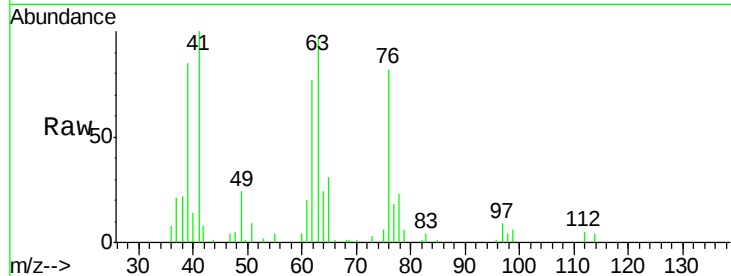
VD0613SBSD01

Tot Ion: 63 Resp: 112724

Ion Ratio Lower Upper

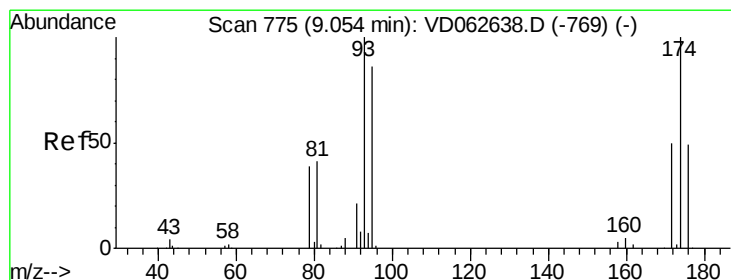
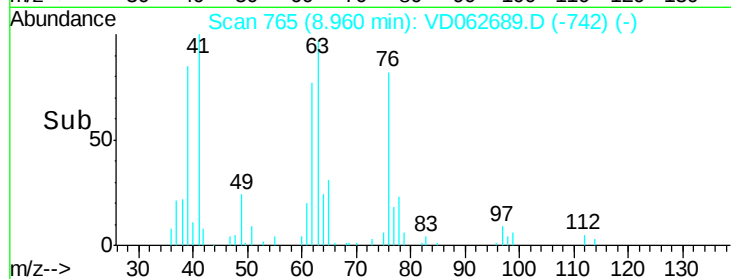
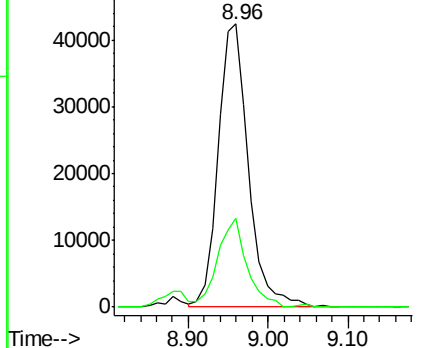
63 100

65 31.5 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: 21.725 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

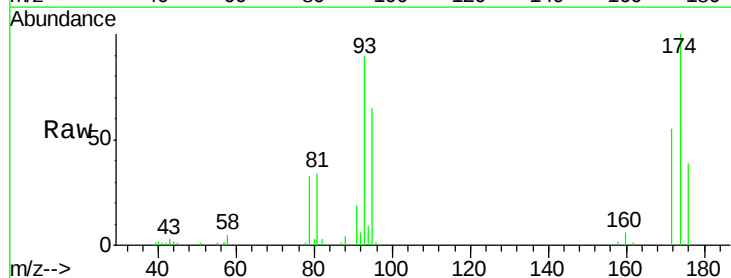
Tgt Ion: 93 Resp: 103466

Ion Ratio Lower Upper

93 100

95 72.1 68.7 103.1

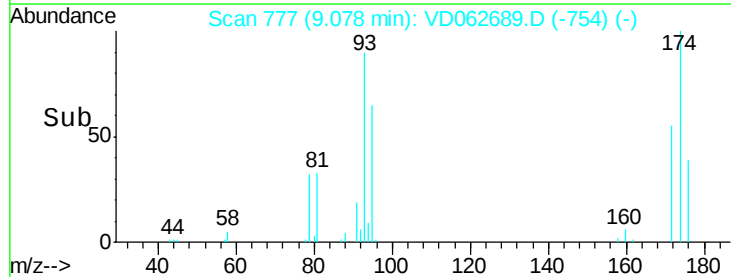
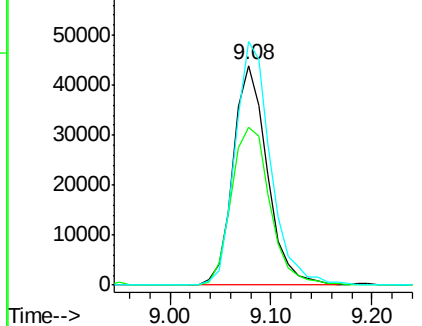
174 110.8 79.8 119.8

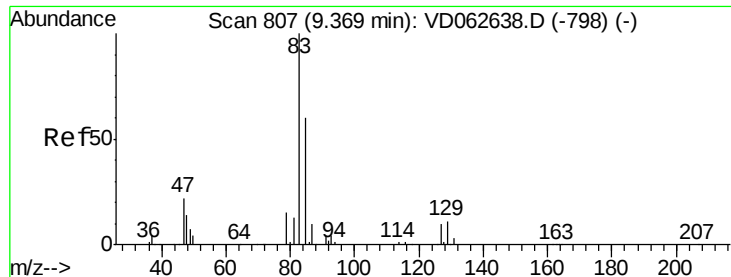


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 20.968 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

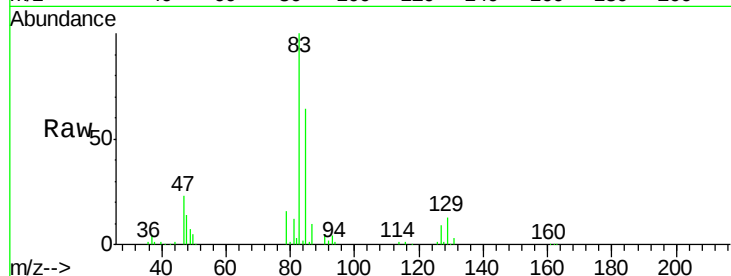
Tot Ion: 83 Resp: 271647

Ion Ratio Lower Upper

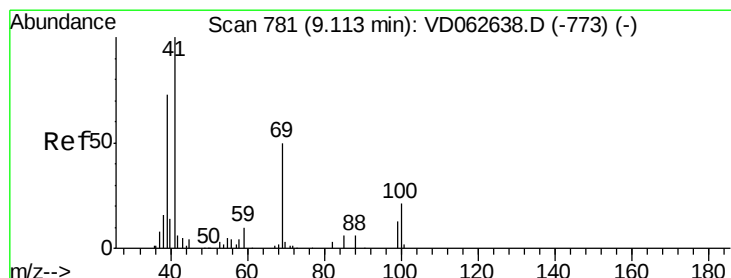
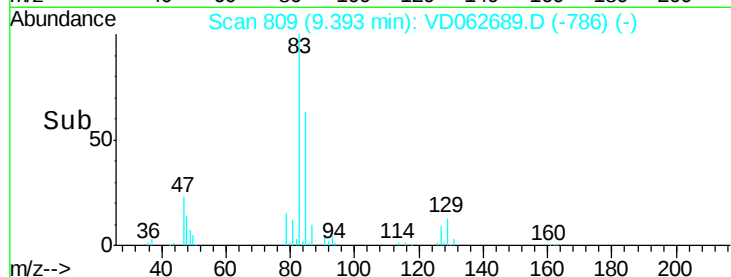
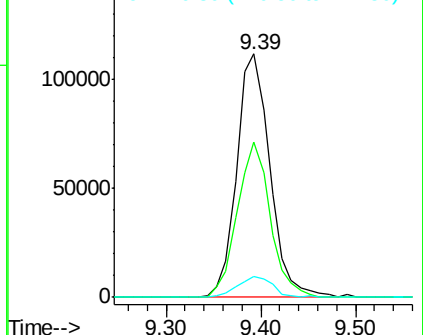
83 100

85 63.8 47.9 71.9

127 8.5 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: 19.945 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

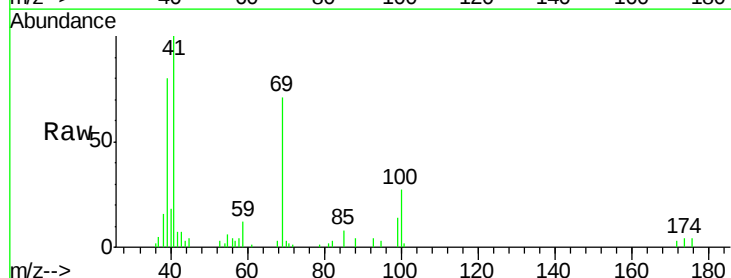
Tgt Ion: 41 Resp: 86963

Ion Ratio Lower Upper

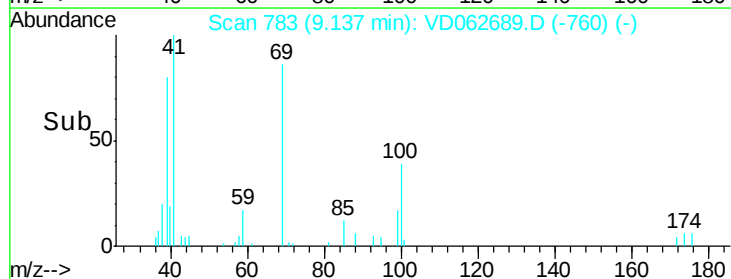
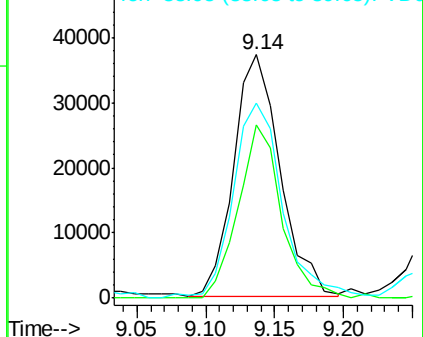
41 100

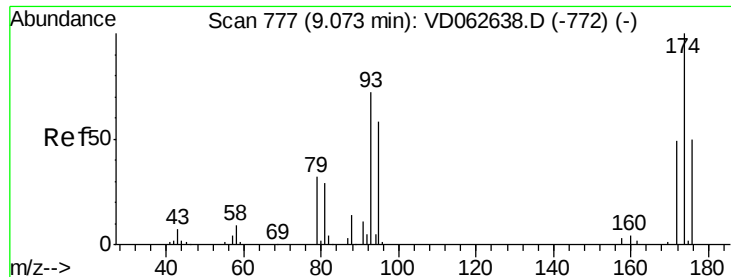
69 71.1 39.8 59.6#

39 79.9 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

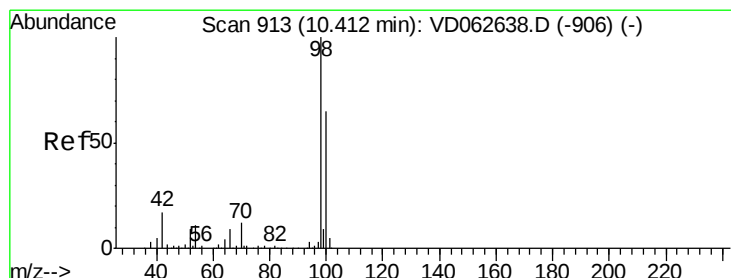
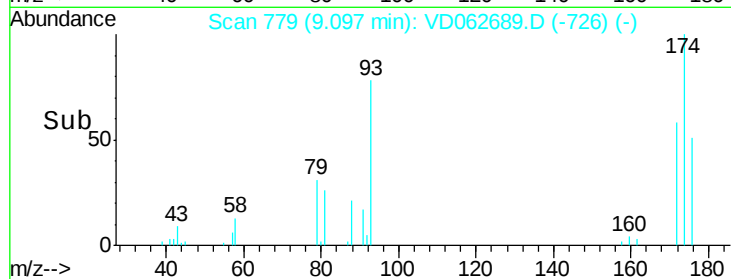
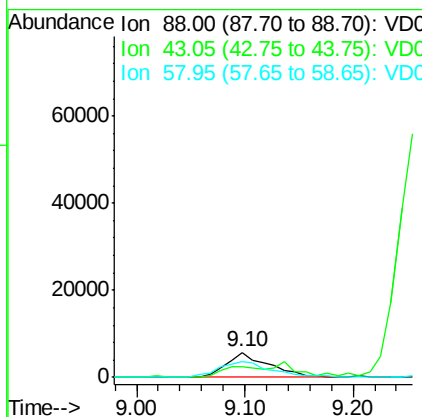
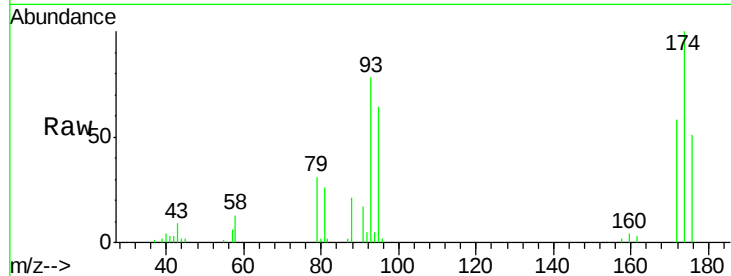




#49
 1,4-Dioxane
 Concen: 427.076 ug/l
 RT: 9.10 min Scan# 779
 Delta R.T. 0.02 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

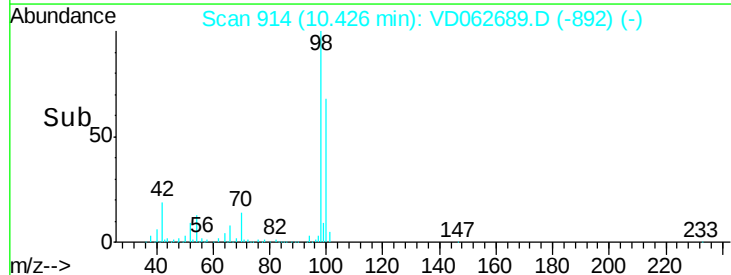
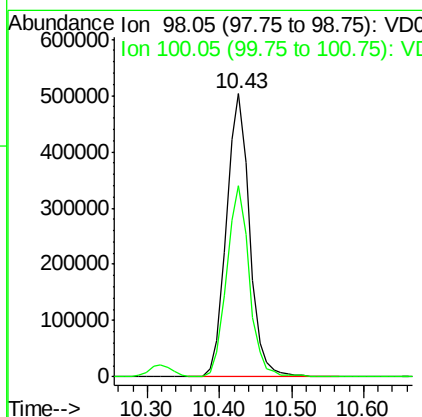
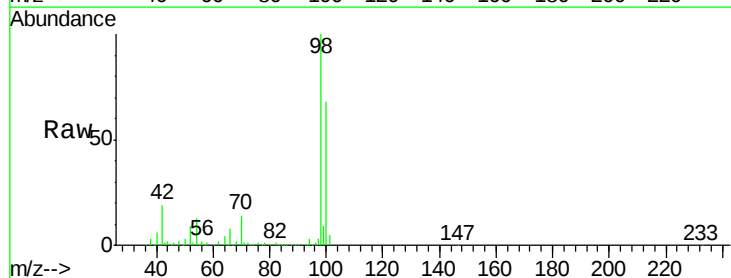
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBSD01

Tot Ion: 88 Resp: 15543
 Ion Ratio Lower Upper
 88 100
 43 56.1 40.7 61.1
 58 61.4 54.2 81.4



#50
 Toluene-d8
 Concen: 50.710 ug/l
 RT: 10.43 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Tgt Ion: 98 Resp: 1124336
 Ion Ratio Lower Upper
 98 100
 100 67.5 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 110.695 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

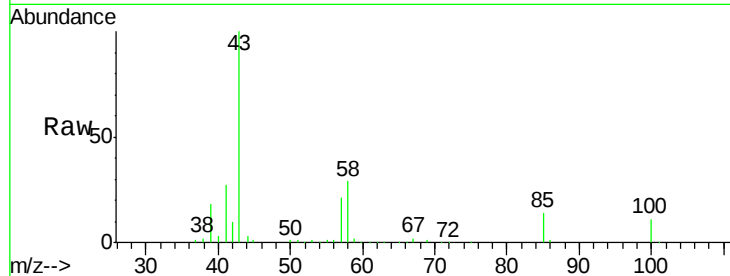
VD0613SBSD01

Tot Ion: 43 Resp: 467452

Ion Ratio Lower Upper

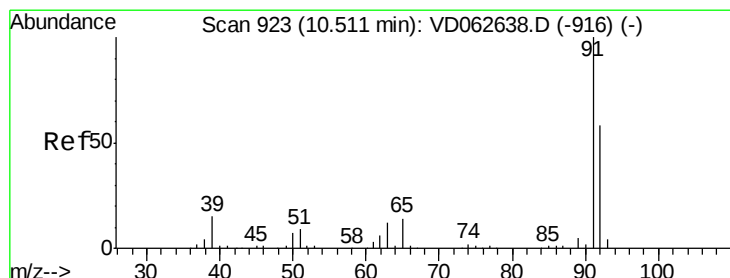
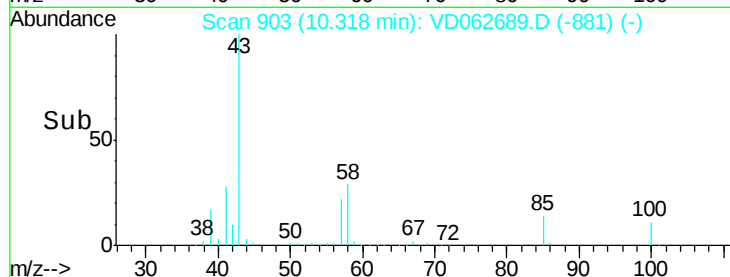
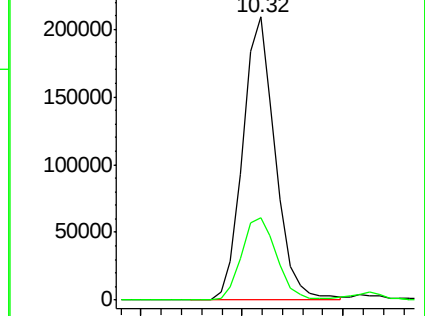
43 100

58 29.2 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: 19.898 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD062689.D

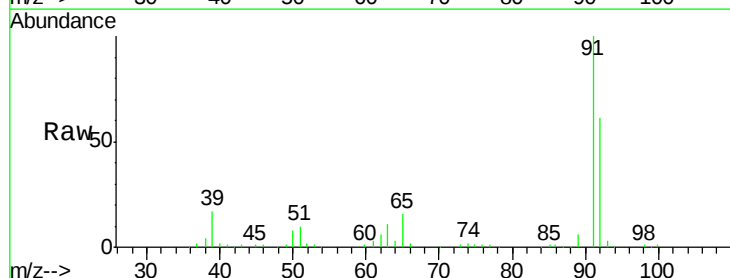
Acq: 13 Jun 2019 12:56

Tgt Ion: 92 Resp: 298760

Ion Ratio Lower Upper

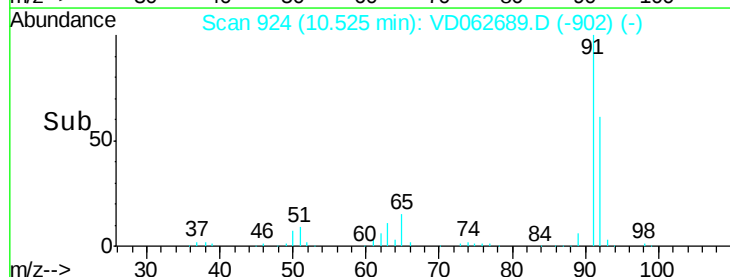
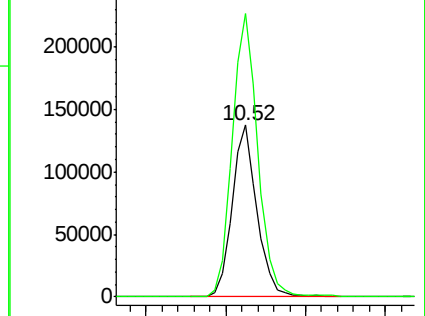
92 100

91 165.1 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

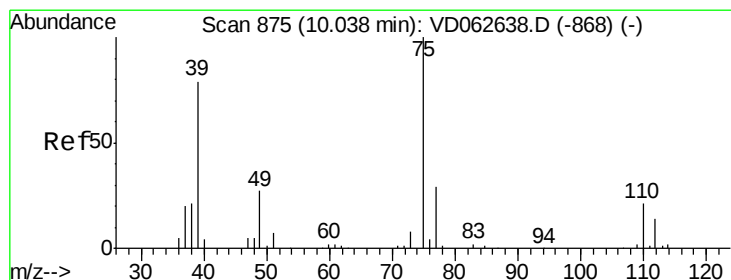
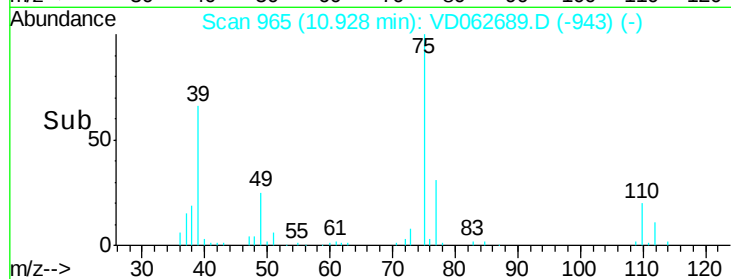
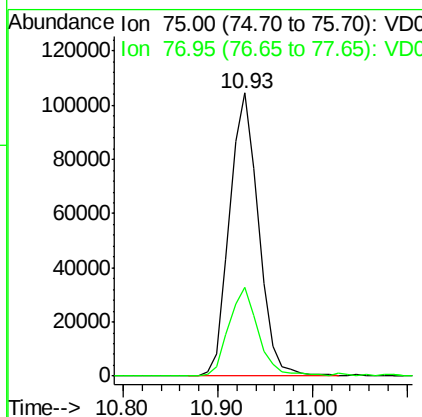
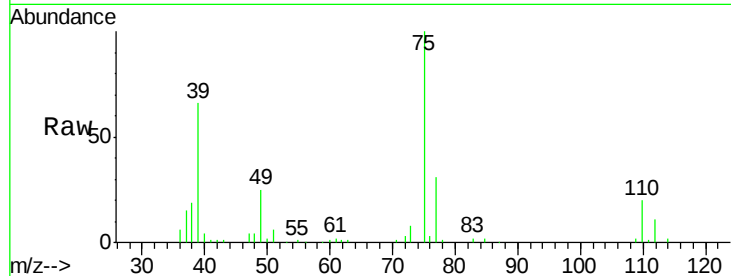




#53
 t-1,3-Dichloropropene
 Concen: 20.885 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

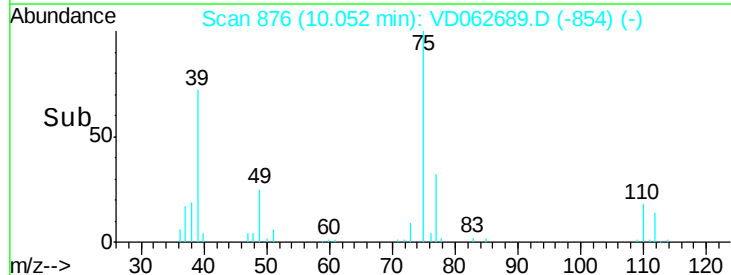
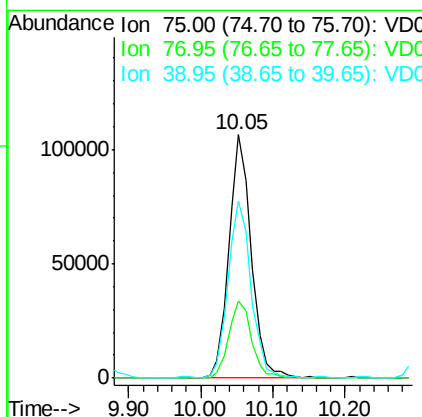
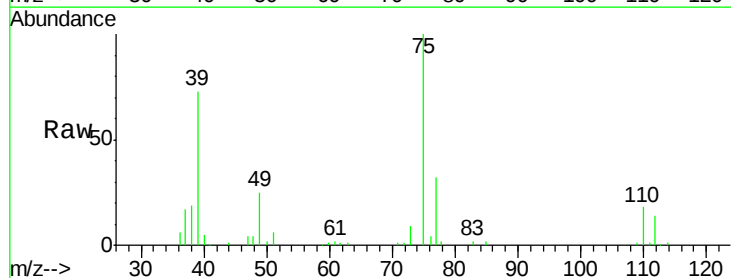
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBSD01

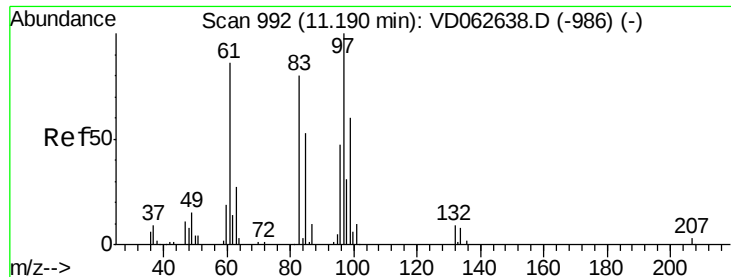
Tot Ion: 75 Resp: 221842
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 20.934 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Tgt Ion: 75 Resp: 229817
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.1 34.7
 39 72.7 63.4 95.2

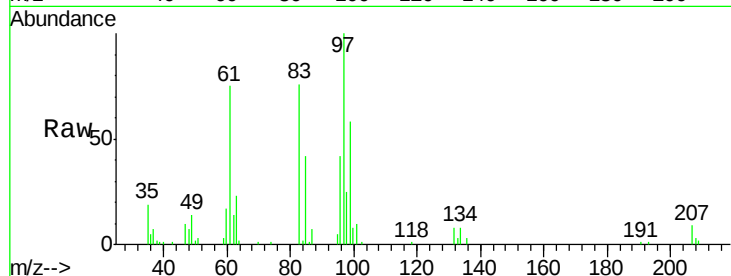




#55
 1,1,2-Trichloroethane
 Concen: 21.887 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBSD01

Tot Ion	97	Resp	112701
Ion	Ratio	Lower	Upper
97	100		
83	75.6	63.8	95.8
85	41.5	42.3	63.5#
99	58.1	48.0	72.0

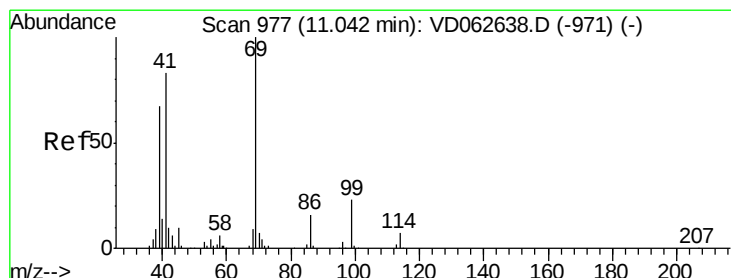
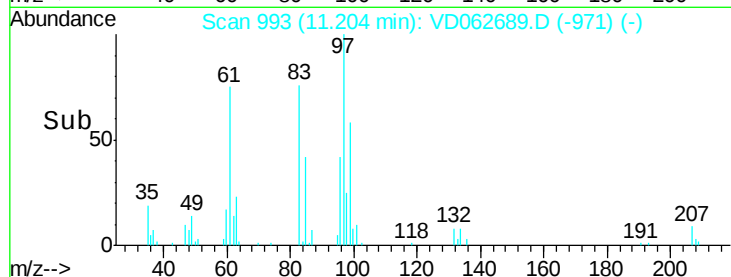
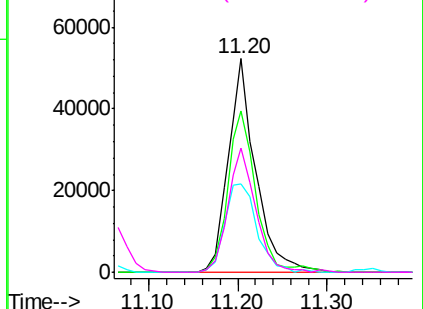


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

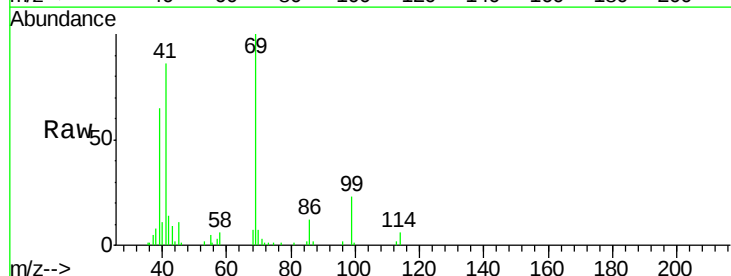
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 22.623 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

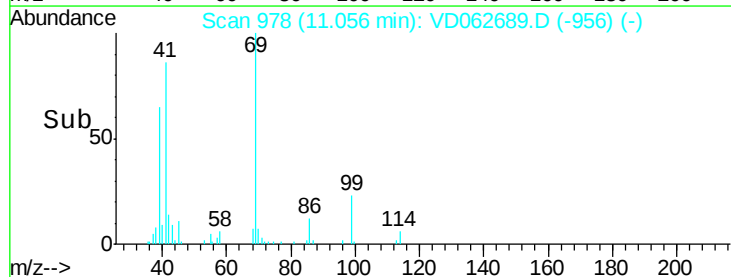
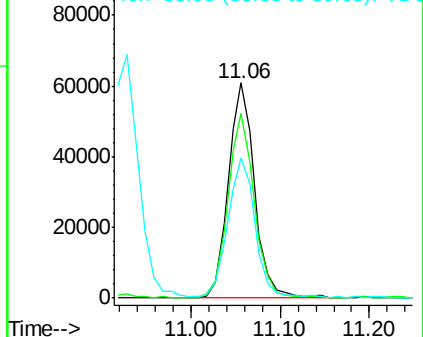
Tgt Ion	69	Resp	125826
Ion	Ratio	Lower	Upper
69	100		
41	85.7	66.2	99.4
39	64.9	53.8	80.8

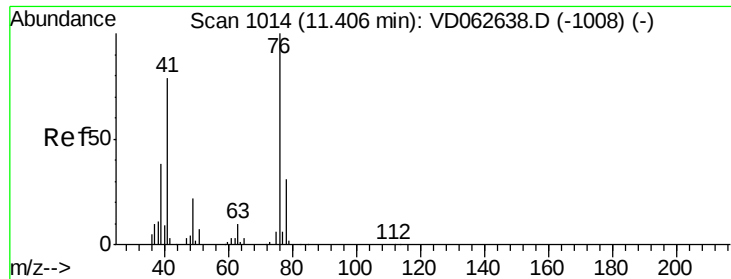


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.556 ug/l

RT: 11.42 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

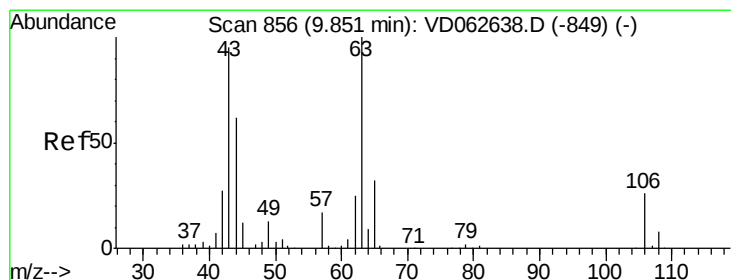
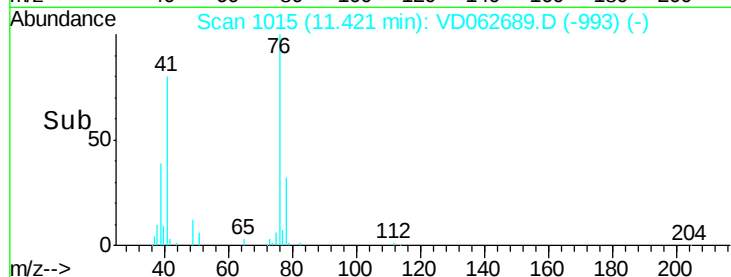
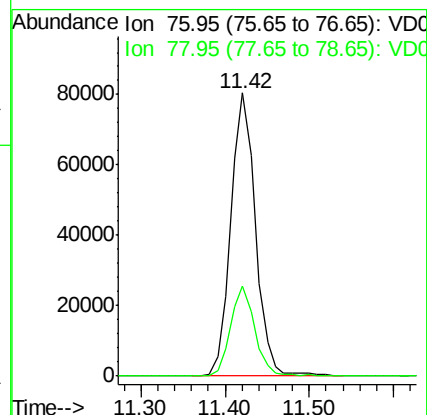
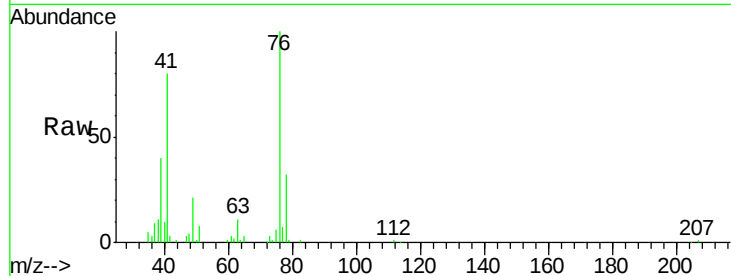
VD0613SBSD01

Tot Ion: 76 Resp: 164051

Ion Ratio Lower Upper

76 100

78 32.0 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 120.195 ug/l

RT: 9.88 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062689.D

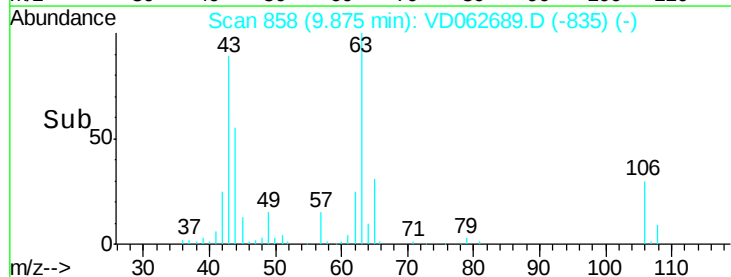
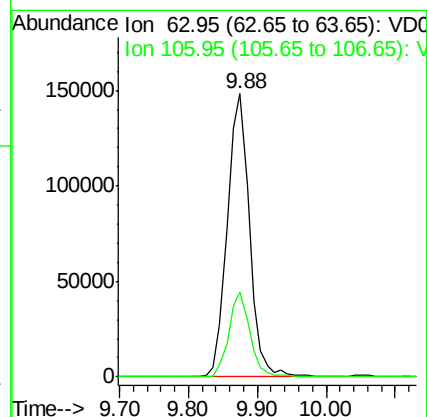
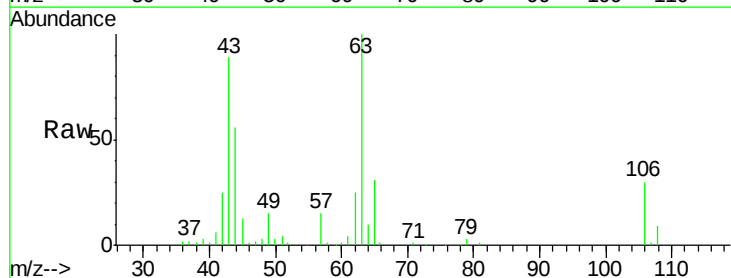
Acq: 13 Jun 2019 12:56

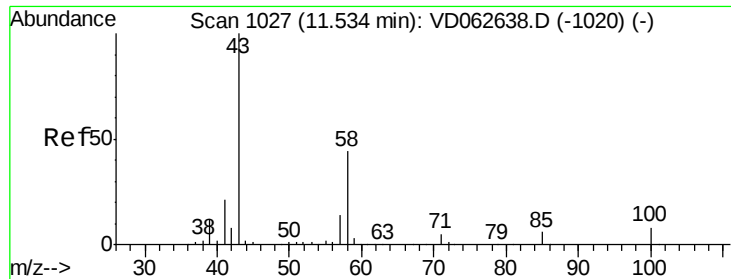
Tgt Ion: 63 Resp: 330785

Ion Ratio Lower Upper

63 100

106 30.2 20.5 30.7

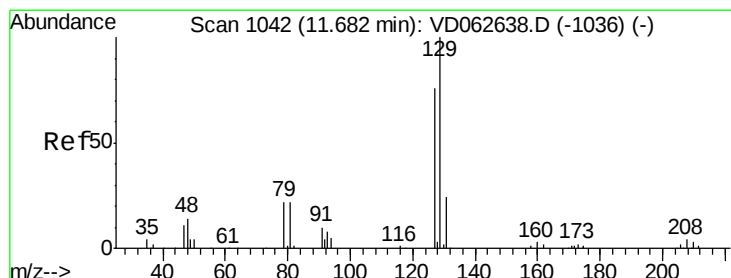
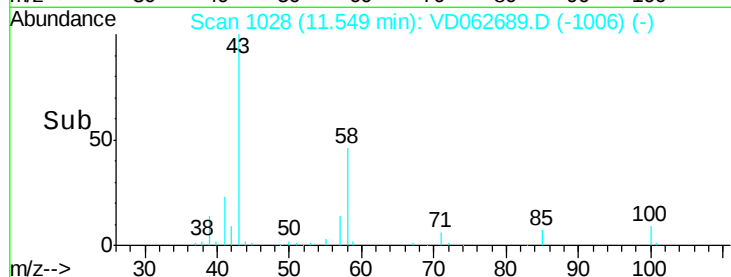
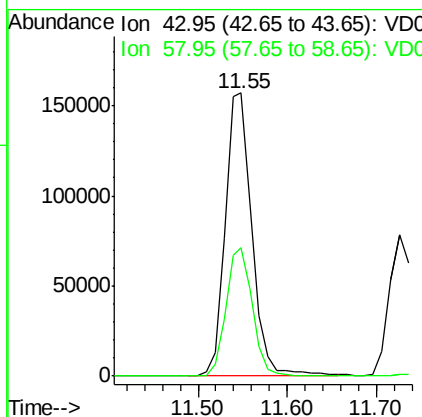
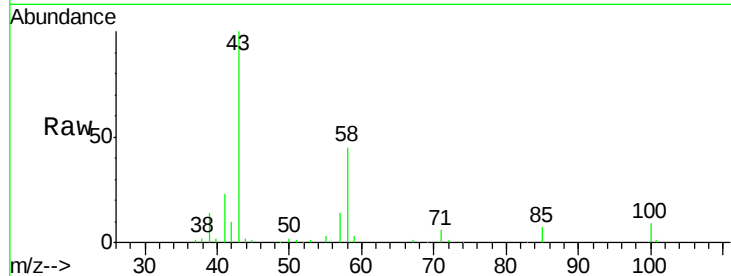




#59
2-Hexanone
Concen: 105.351 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

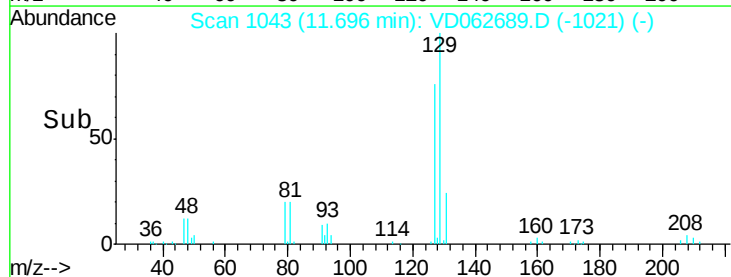
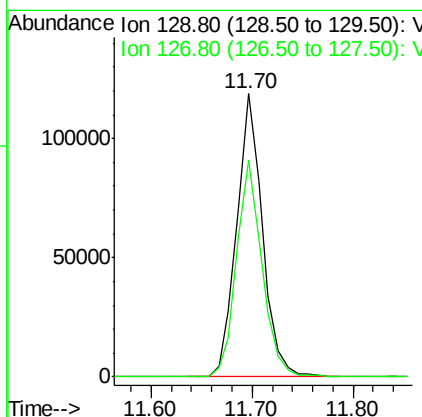
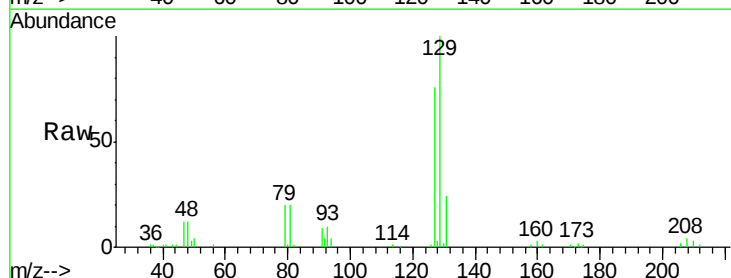
Instrument :
MSVOA_D
ClientSampleId :
VD0613SBSD01

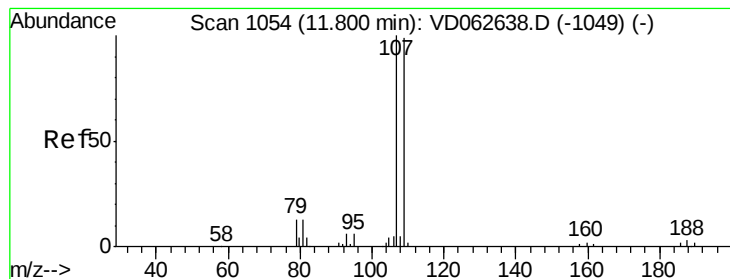
Tot Ion: 43 Resp: 330932
Ion Ratio Lower Upper
43 100
58 45.3 21.8 65.4



#60
Dibromochloromethane
Concen: 20.751 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Tgt Ion: 129 Resp: 210920
Ion Ratio Lower Upper
129 100
127 76.5 38.0 114.1





#61

1,2-Dibromoethane

Concen: 21.700 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

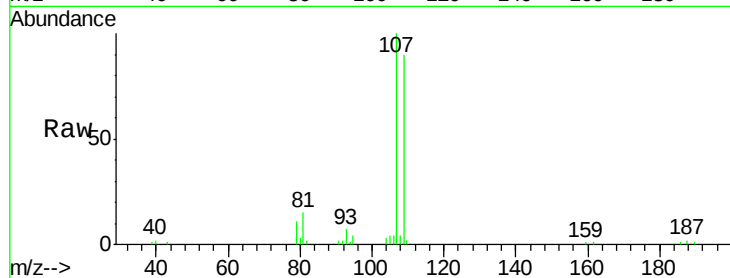
VD0613SBSD01

Tot Ion:107 Resp: 133728

Ion Ratio Lower Upper

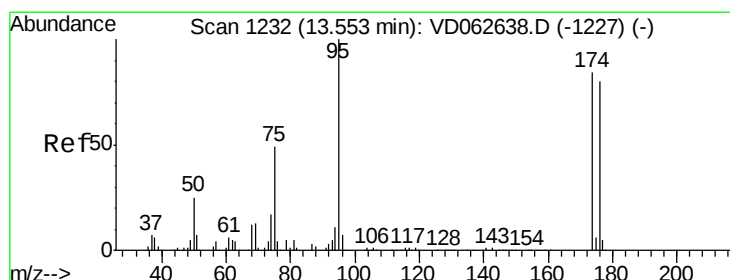
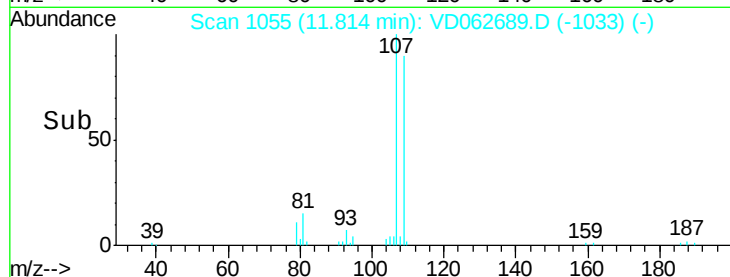
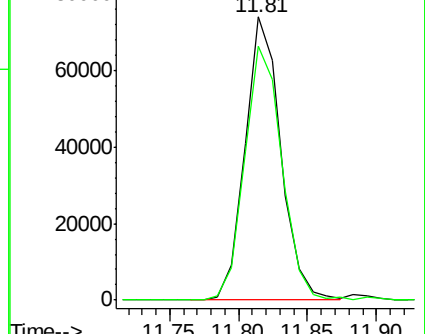
107 100

109 89.7 79.2 118.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 52.365 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

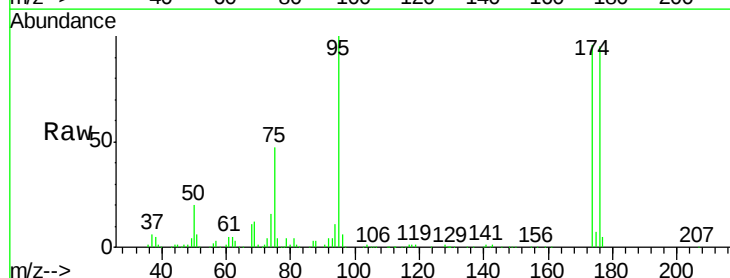
Tgt Ion: 95 Resp: 541667

Ion Ratio Lower Upper

95 100

174 96.3 0.0 167.0

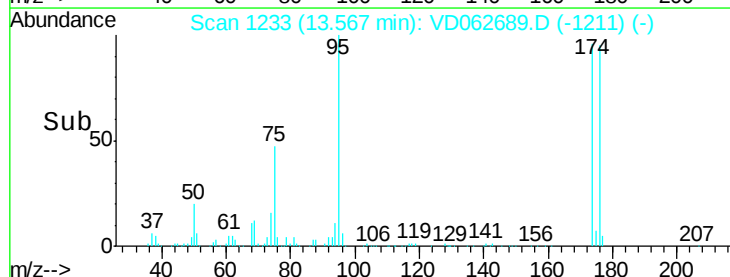
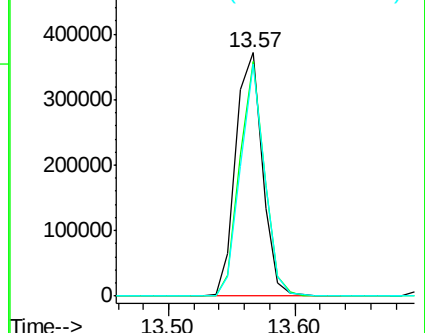
176 95.3 0.0 159.2

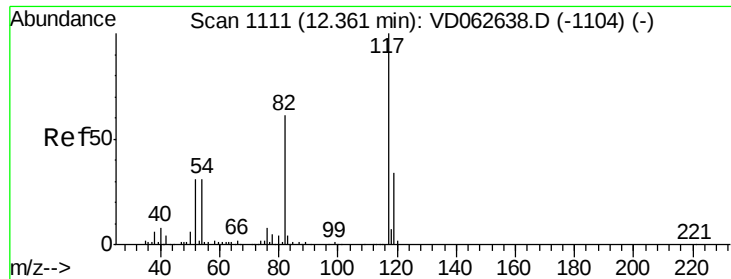


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

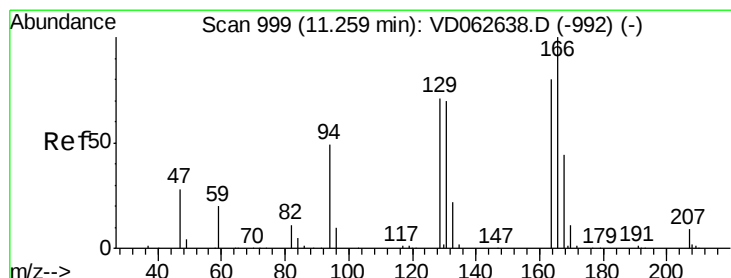
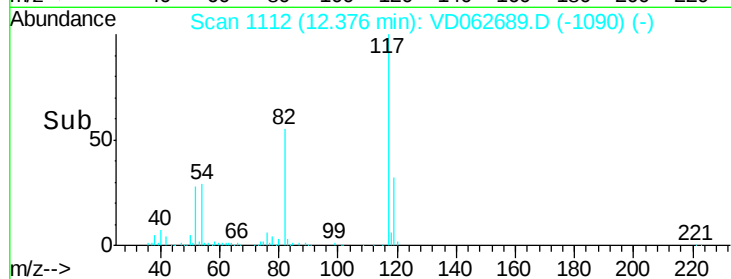
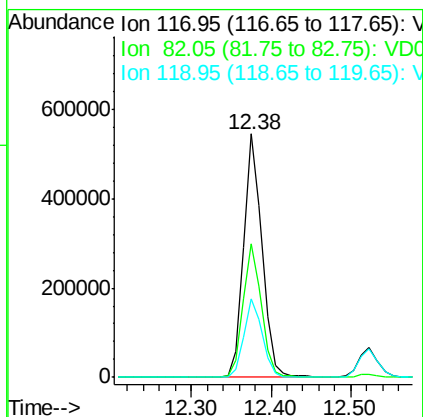
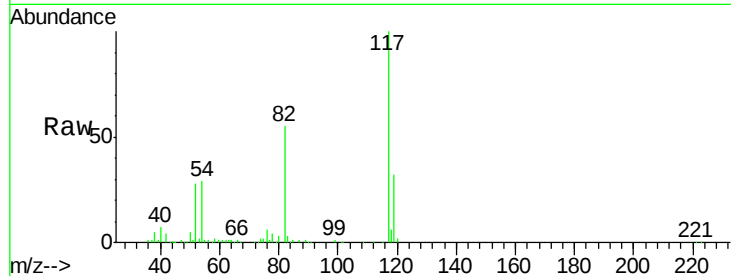




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

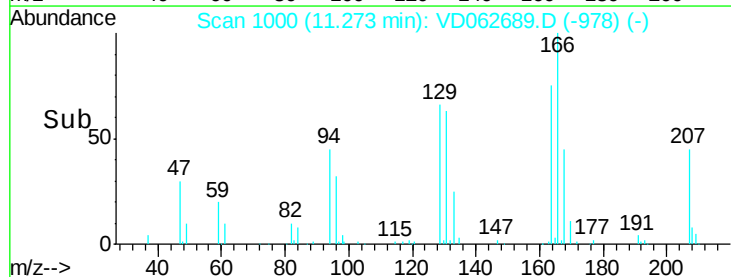
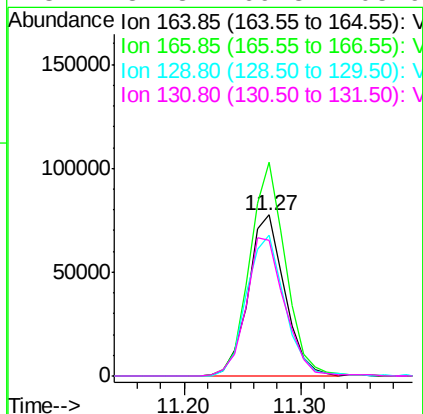
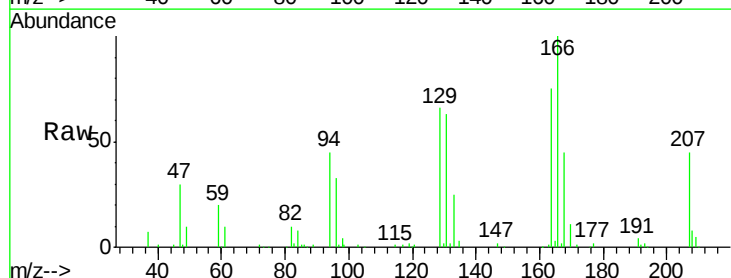
Instrument :
MSVOA_D
ClientSampleId :
VD0613SBSD01

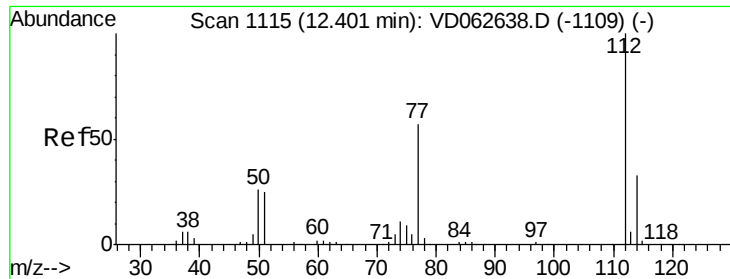
Tot Ion:117 Resp: 868563
Ion Ratio Lower Upper
117 100
82 55.0 48.7 73.1
119 32.3 27.0 40.6



#64
Tetrachloroethene
Concen: 20.674 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Tgt Ion:164 Resp: 168093
Ion Ratio Lower Upper
164 100
166 132.8 99.4 149.2
129 87.4 70.2 105.4
131 84.3 69.3 103.9





#65

Chlorobenzene

Concen: 20.167 ug/l

RT: 12.41 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

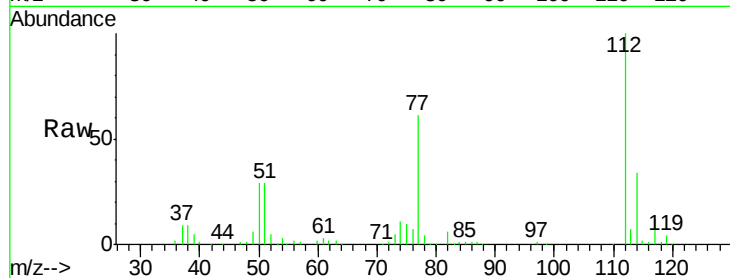
VD0613SBSD01

Tot Ion:112 Resp: 387447

Ion Ratio Lower Upper

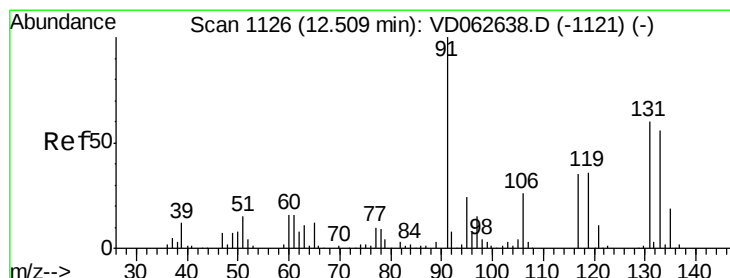
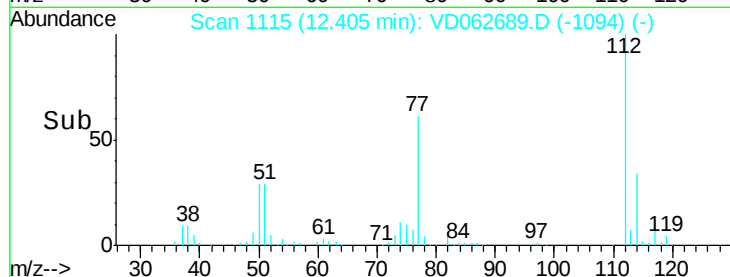
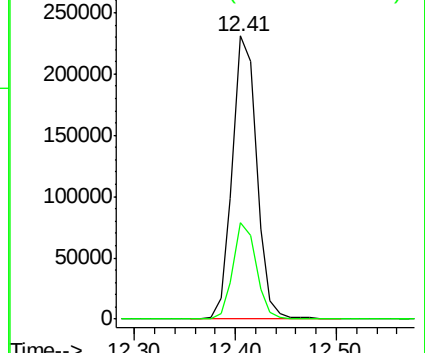
112 100

114 34.1 26.3 39.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.186 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

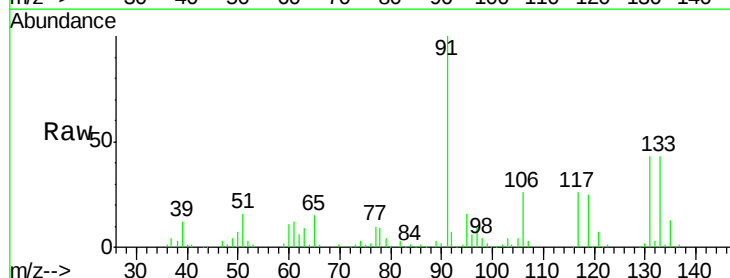
Tgt Ion:131 Resp: 184965

Ion Ratio Lower Upper

131 100

133 100.3 46.8 140.3

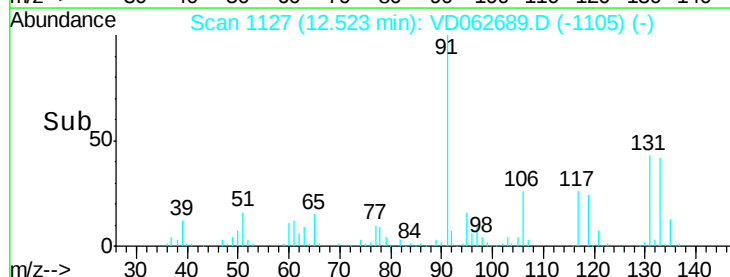
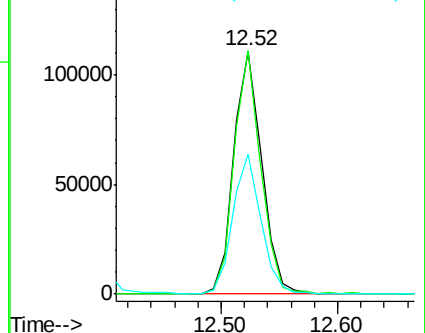
119 57.8 29.9 89.8

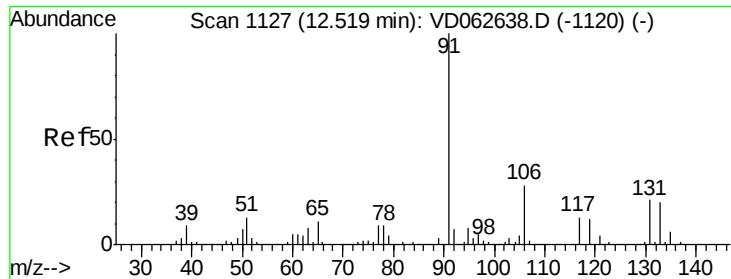


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

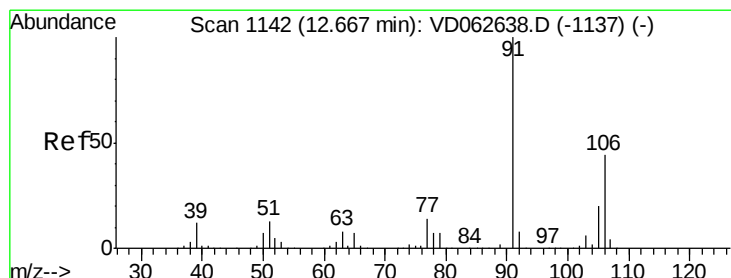
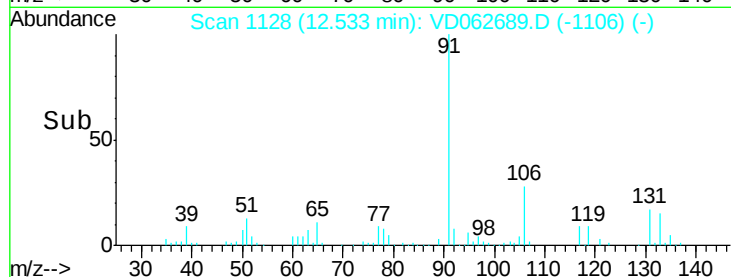
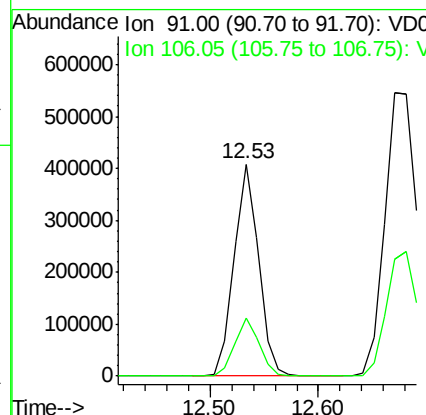
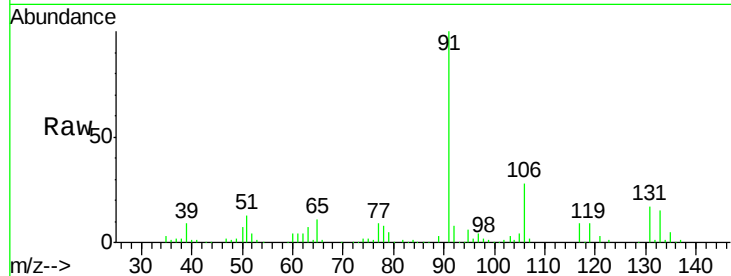




#67
Ethyl Benzene
Concen: 19.008 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

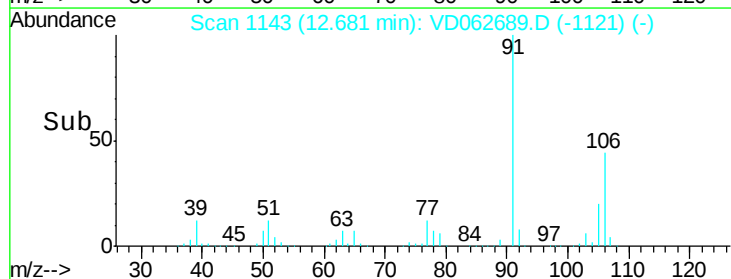
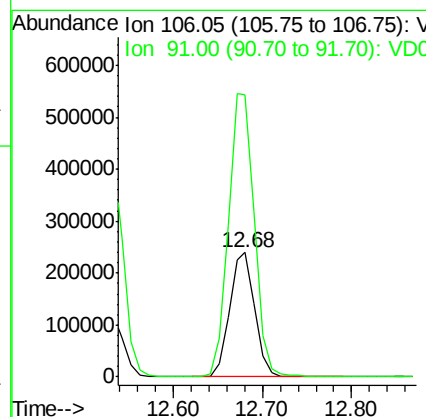
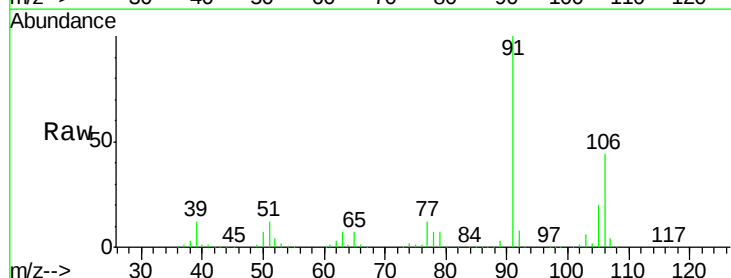
Instrument :
MSVOA_D
ClientSampleId :
VD0613SBS01

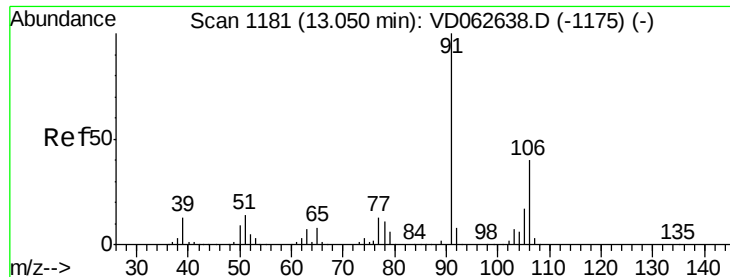
Tot Ion: 91 Resp: 647491
Ion Ratio Lower Upper
91 100
106 27.7 22.1 33.1



#68
m/p-Xylenes
Concen: 39.770 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Tgt Ion: 106 Resp: 476260
Ion Ratio Lower Upper
106 100
91 227.1 180.2 270.4

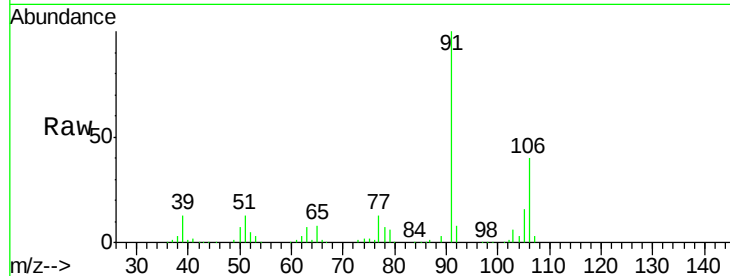




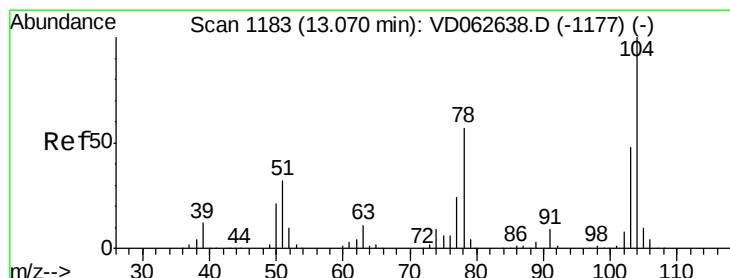
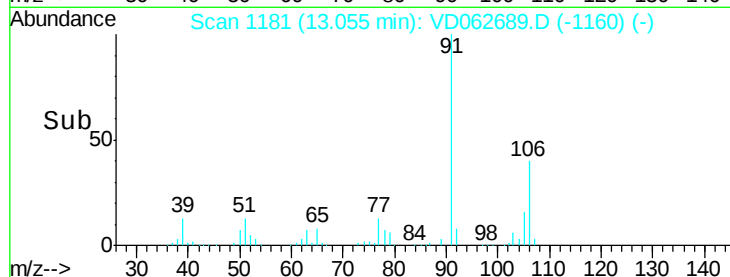
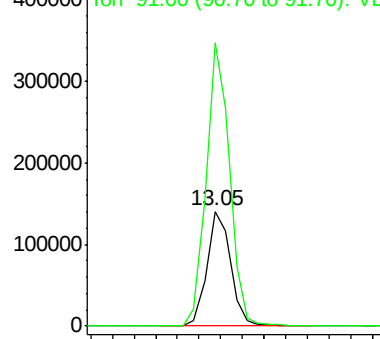
#69
o-Xylene
Concen: 19.512 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0613SBSD01

Tot Ion:106 Resp: 214590
Ion Ratio Lower Upper
106 100
91 247.0 124.1 372.1

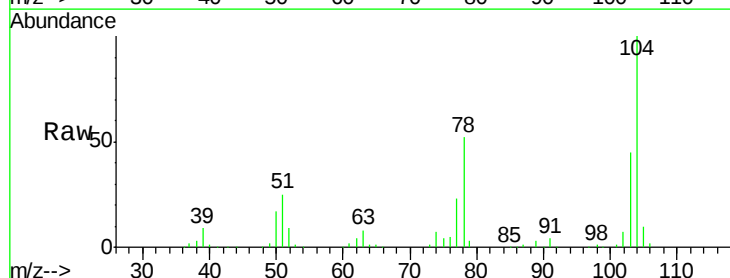


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

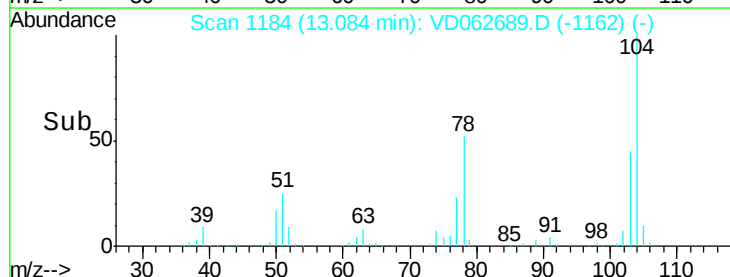
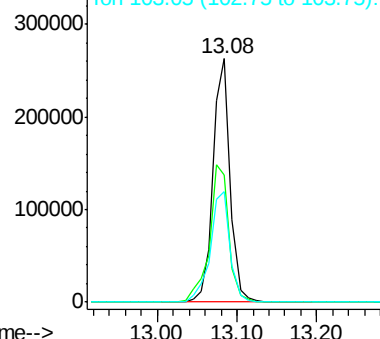


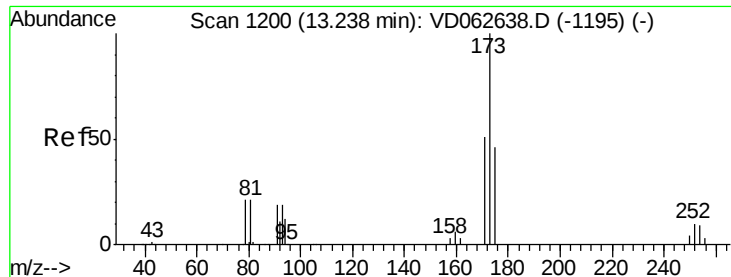
#70
Styrene
Concen: 20.075 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Tgt Ion:104 Resp: 393953
Ion Ratio Lower Upper
104 100
78 52.3 45.9 68.9
103 45.3 38.4 57.6



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





#71

Bromoform

Concen: 20.711 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

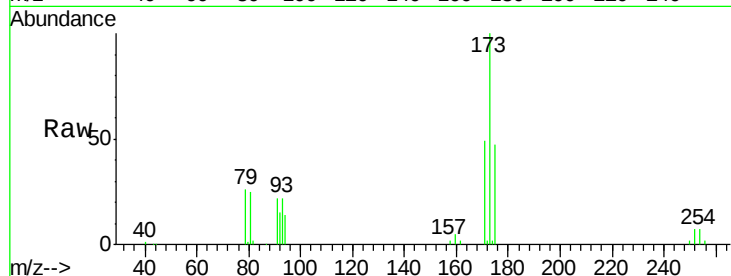
Tot Ion:173 Resp: 133224

Ion Ratio Lower Upper

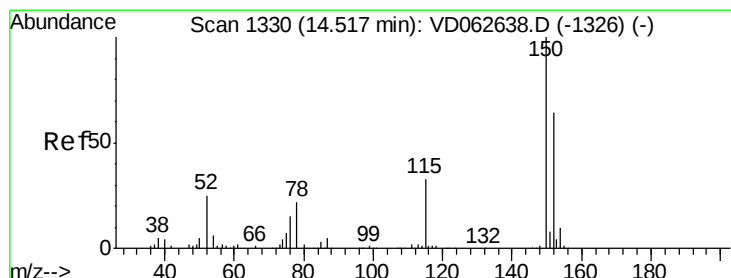
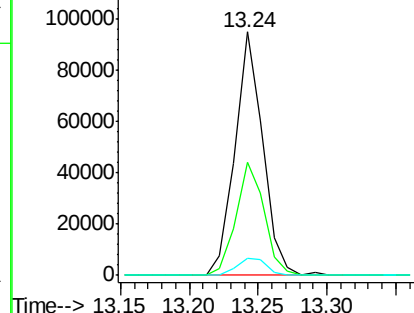
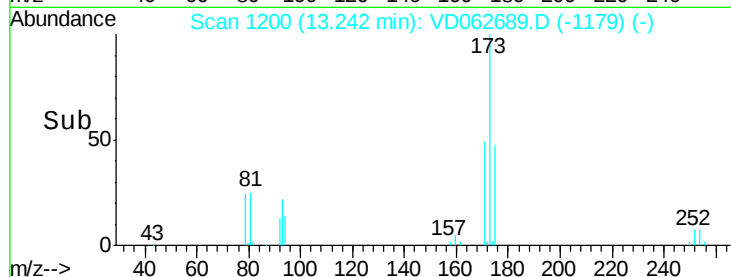
173 100

175 46.7 22.9 68.7

254 6.8 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: VD062689.D

Acq: 13 Jun 2019 12:56

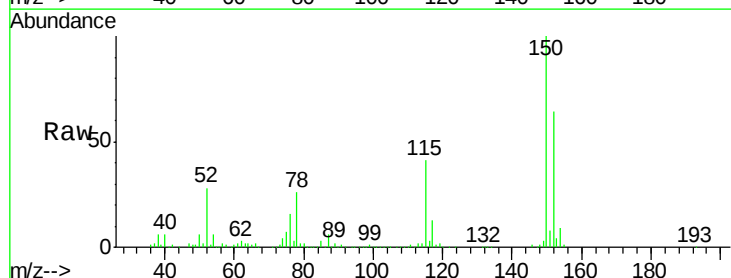
Tgt Ion:152 Resp: 454386

Ion Ratio Lower Upper

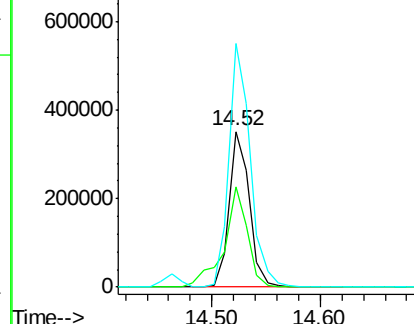
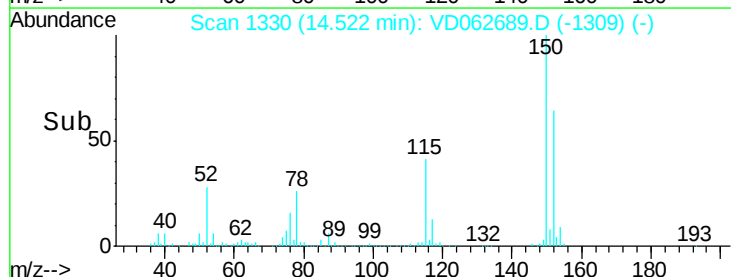
152 100

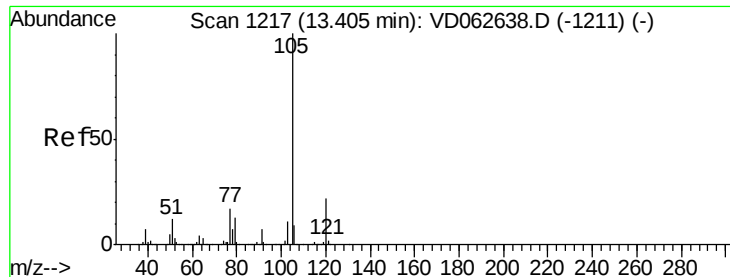
115 64.2 30.1 90.5

150 156.4 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: 22.555 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

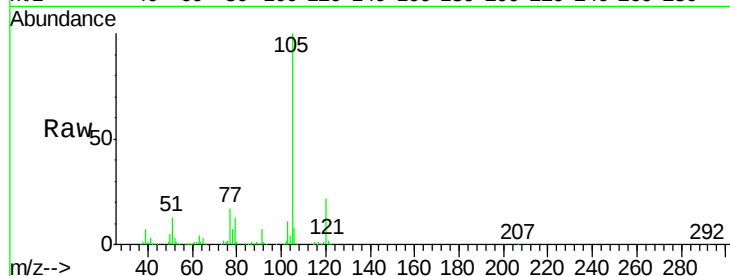
VD0613SBSD01

Tot Ion:105 Resp: 722382

Ion Ratio Lower Upper

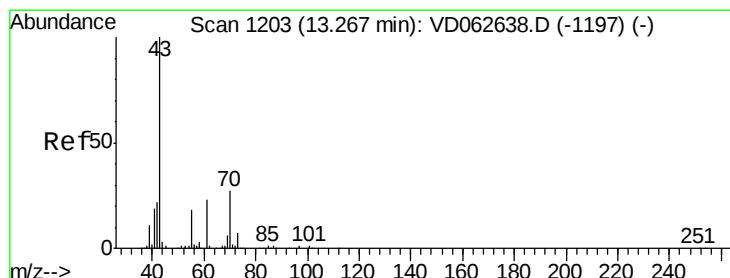
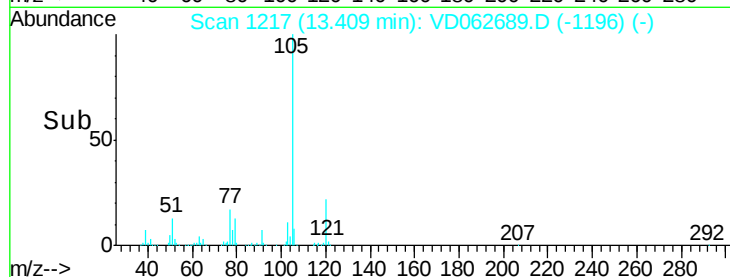
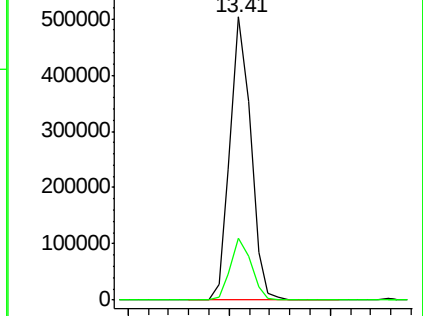
105 100

120 21.9 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.416 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Tgt Ion: 43 Resp: 194024

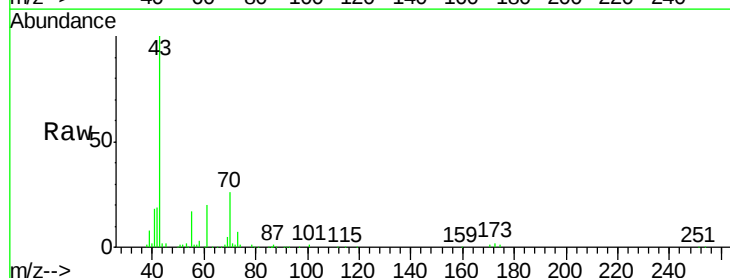
Ion Ratio Lower Upper

43 100

70 26.2 21.8 32.8

55 16.6 14.6 21.8

61 20.2 18.4 27.6

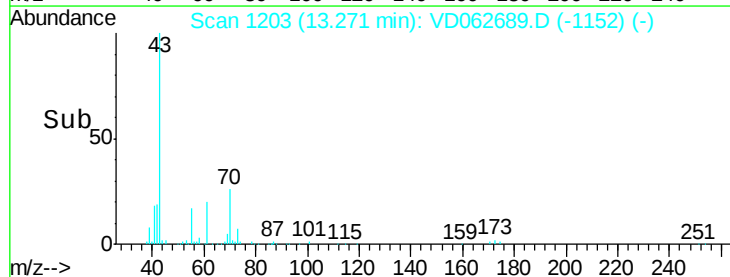
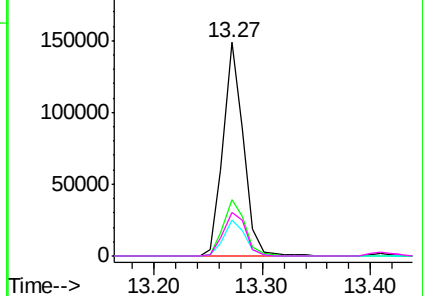


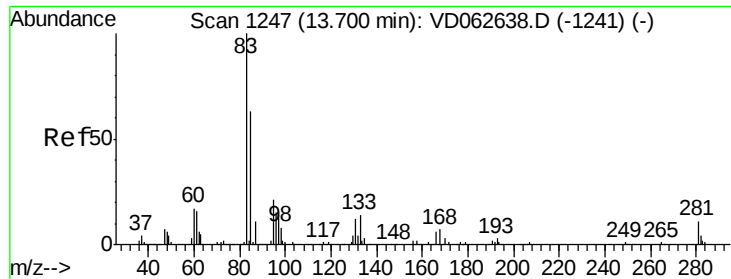
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 23.883 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

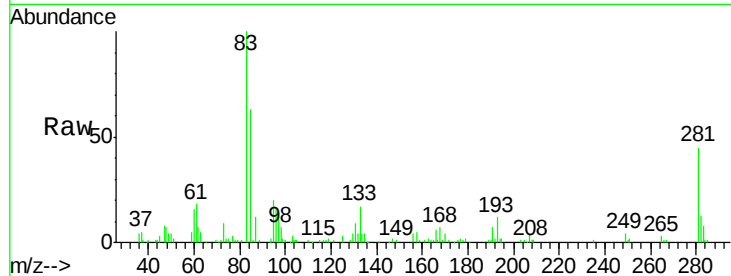
Tot Ion: 83 Resp: 130883

Ion Ratio Lower Upper

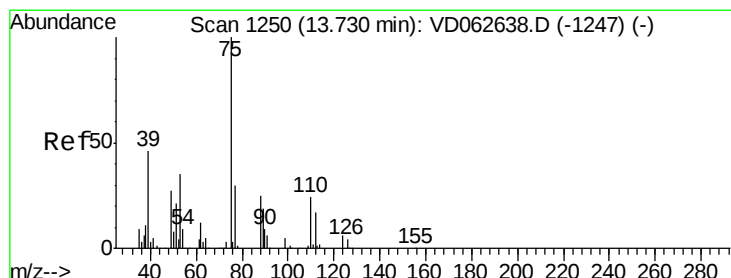
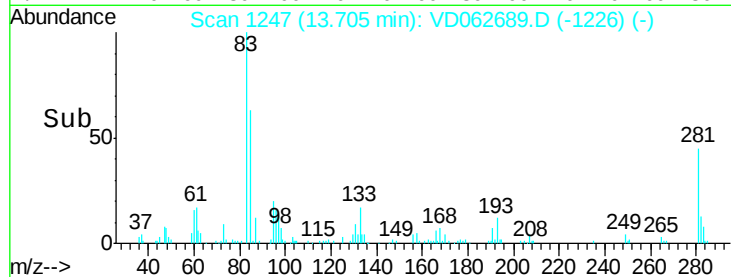
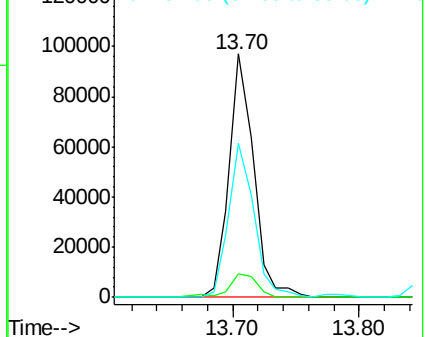
83 100

131 9.5 5.9 17.7

85 63.0 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: 22.345 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062689.D

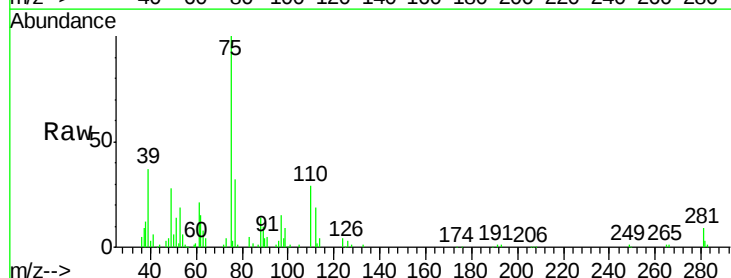
Acq: 13 Jun 2019 12:56

Tgt Ion: 75 Resp: 137671

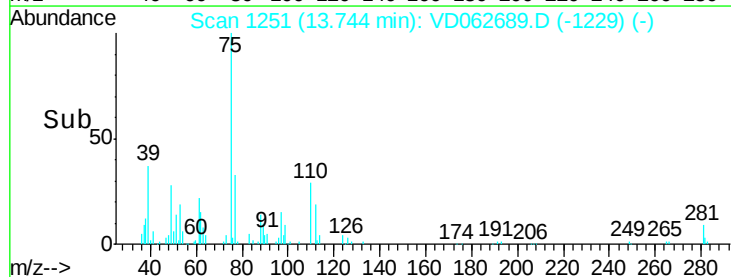
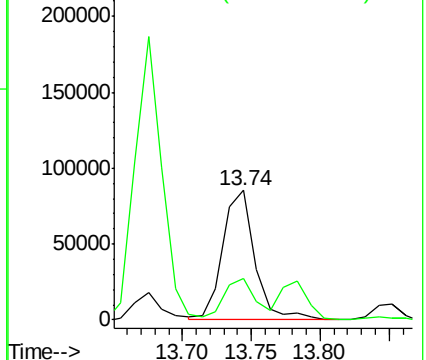
Ion Ratio Lower Upper

75 100

77 32.4 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: 21.806 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

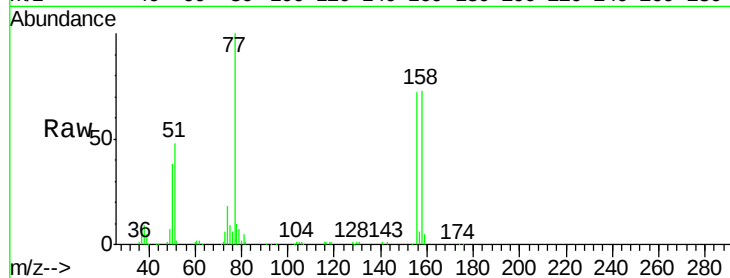
Tot Ion:156 Resp: 199609

Ion Ratio Lower Upper

156 100

77 138.2 56.3 168.8

158 100.9 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

250000

200000

150000

100000

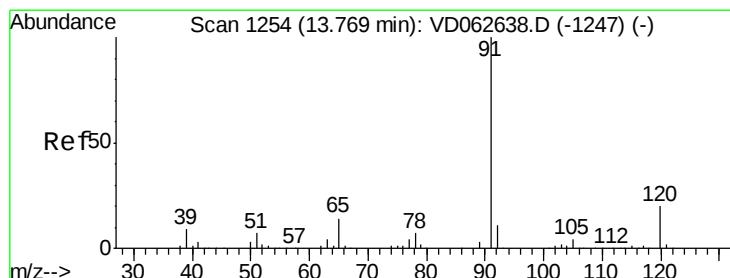
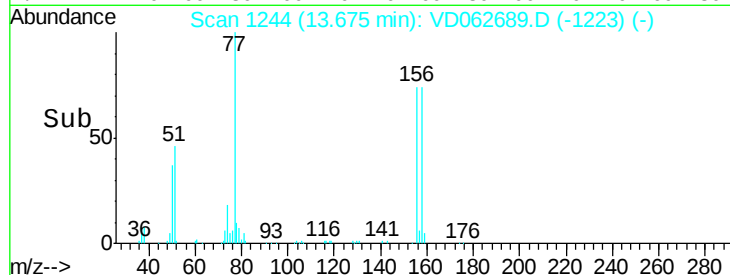
50000

0

13.60

13.70

Time-->



#78

n-propylbenzene

Concen: 21.913 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062689.D

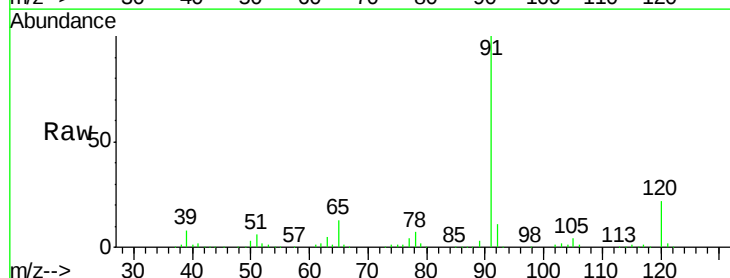
Acq: 13 Jun 2019 12:56

Tgt Ion: 91 Resp: 859080

Ion Ratio Lower Upper

91 100

120 22.0 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

600000

400000

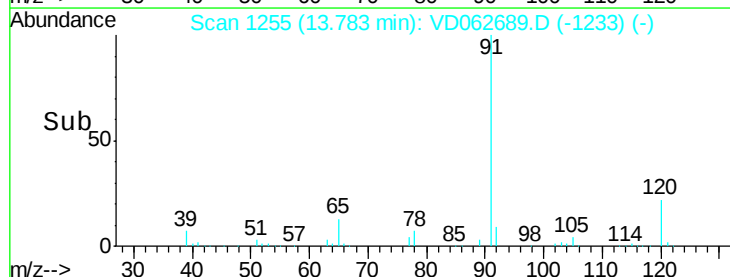
200000

0

13.70

13.80

Time-->

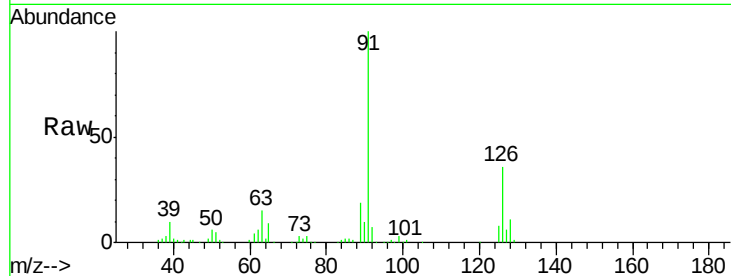




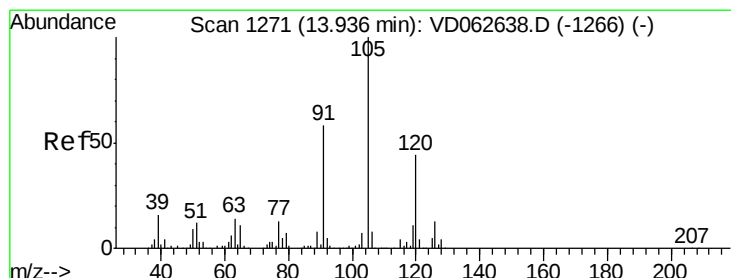
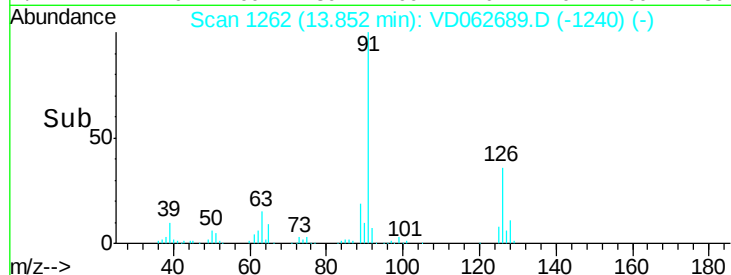
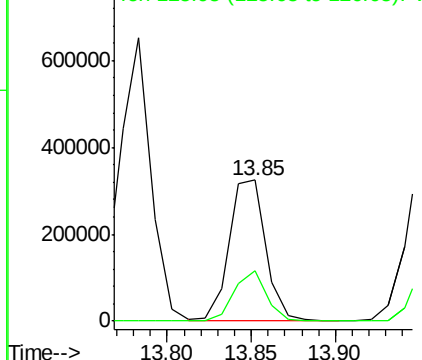
#79
 2-Chlorotoluene
 Concen: 21.238 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBS01

Tot Ion: 91 Resp: 487503
 Ion Ratio Lower Upper
 91 100
 126 35.5 15.8 47.4

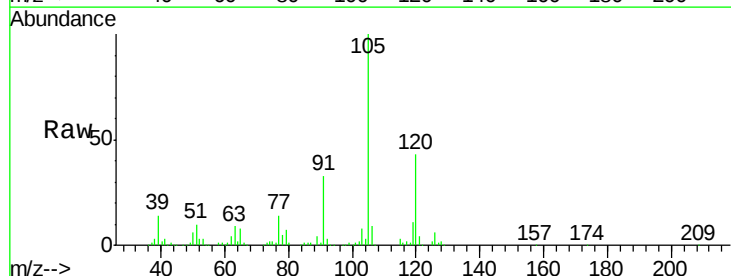


Abundance Ion 91.00 (90.70 to 91.70): VD062689.D (-1240) (-)
 Ion 125.95 (125.65 to 126.65): VD062689.D (-1240) (-)

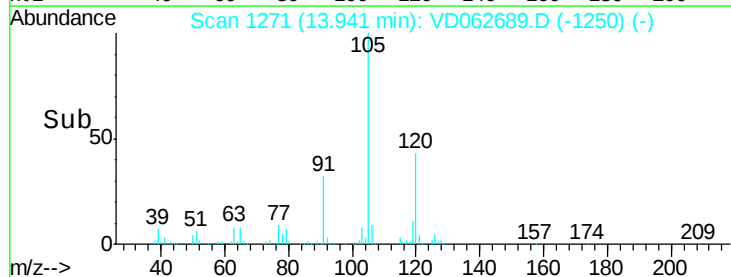
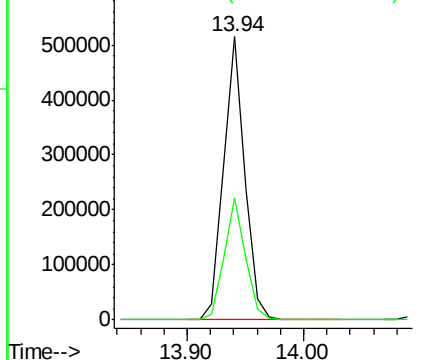


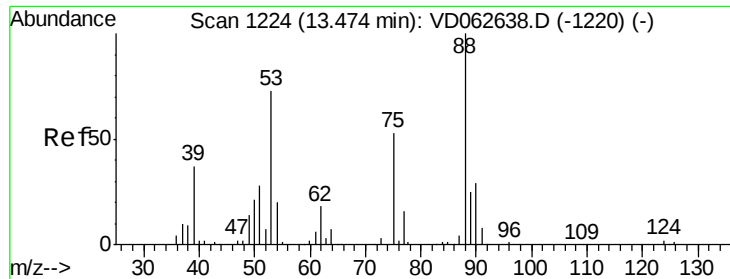
#80
 1,3,5-Trimethylbenzene
 Concen: 22.879 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Tgt Ion: 105 Resp: 647606
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062689.D (-1250) (-)
 Ion 120.05 (119.75 to 120.75): VD062689.D (-1250) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.975 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

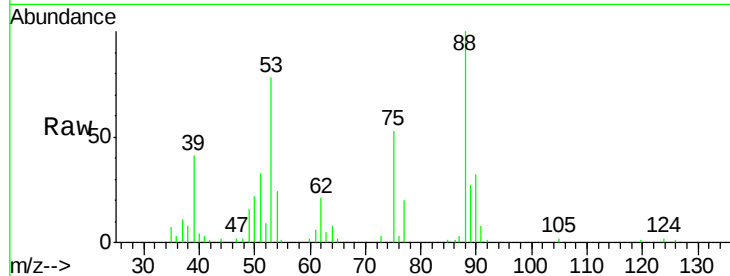
Tot Ion: 75 Resp: 33843

Ion Ratio Lower Upper

75 100

53 146.9 109.4 164.2

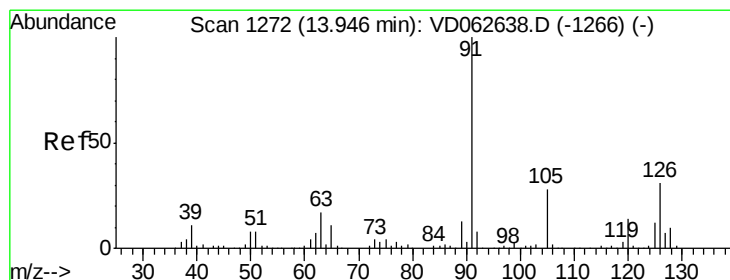
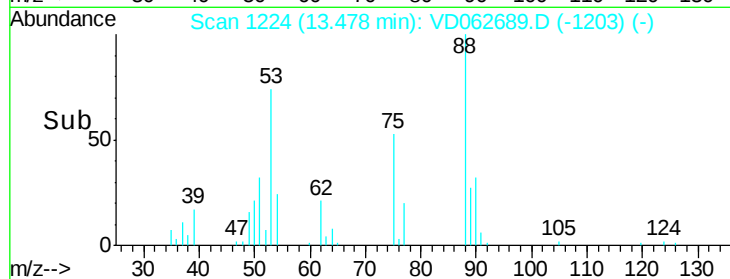
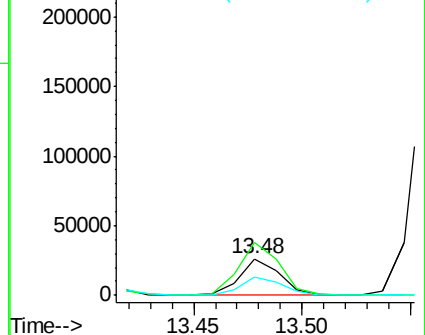
89 51.2 37.0 55.6



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: 21.931 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062689.D

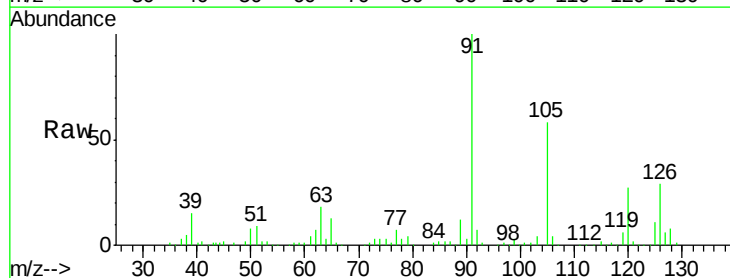
Acq: 13 Jun 2019 12:56

Tgt Ion: 91 Resp: 602032

Ion Ratio Lower Upper

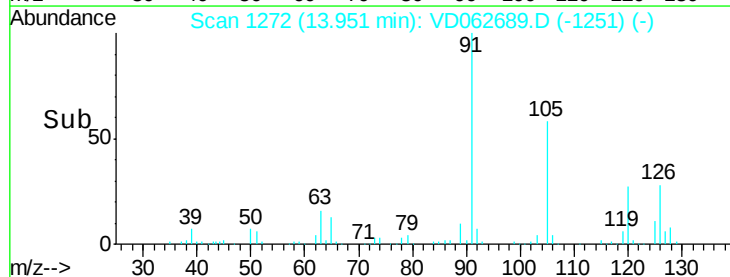
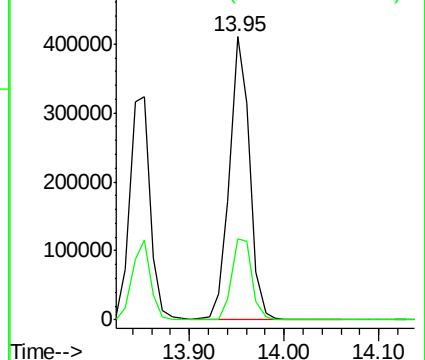
91 100

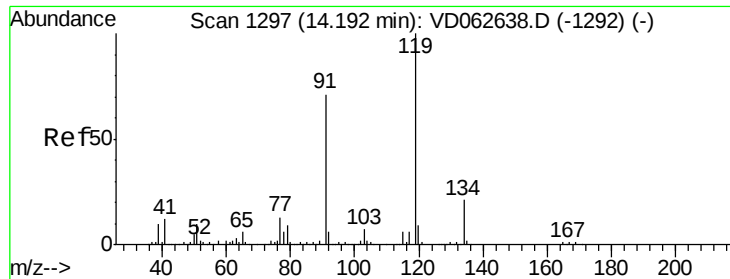
126 28.5 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

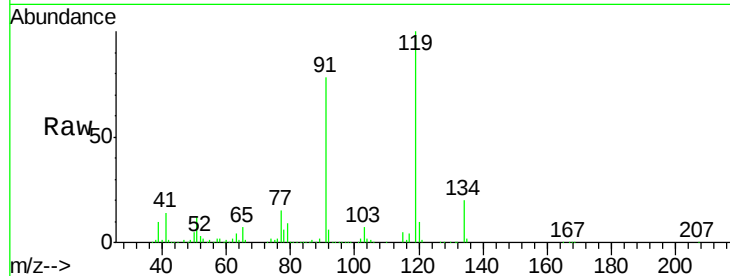




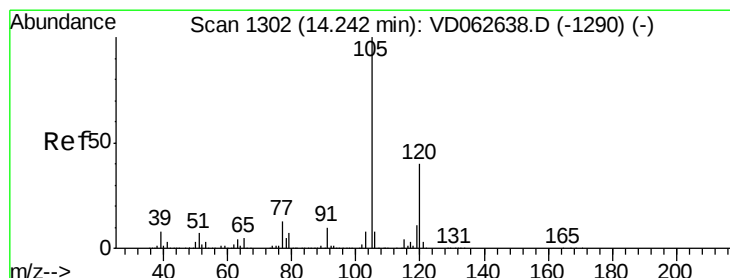
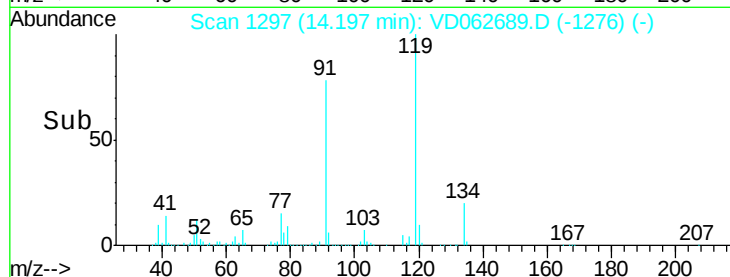
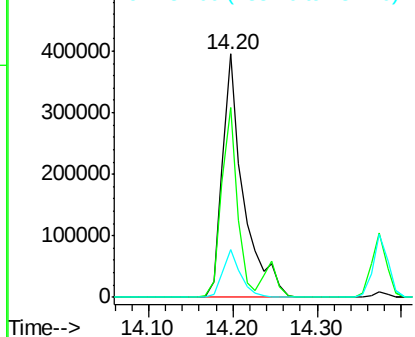
#83
 tert-Butylbenzene
 Concen: 22.086 ug/l
 RT: 14.20 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBSD01

Tot Ion:119 Resp: 689514
 Ion Ratio Lower Upper
 119 100
 91 78.2 35.4 106.1
 134 19.9 10.8 32.3

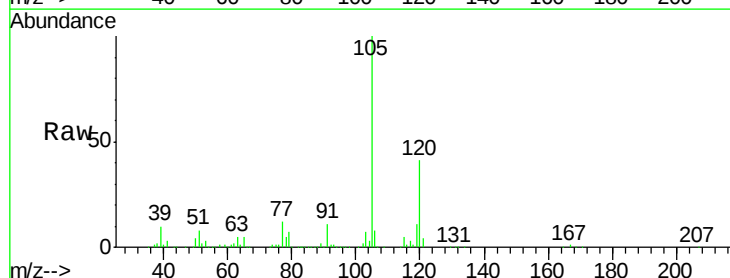


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

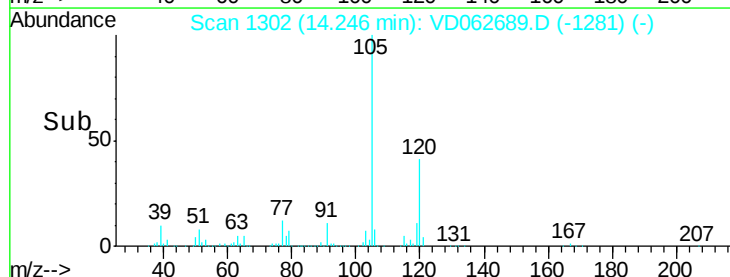
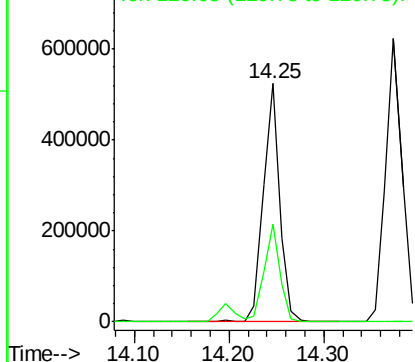


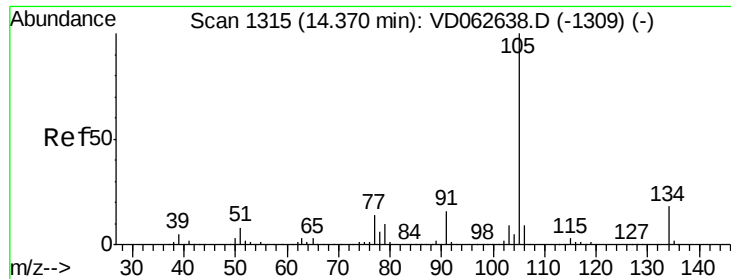
#84
 1,2,4-Trimethylbenzene
 Concen: 22.928 ug/l
 RT: 14.25 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Tgt Ion:105 Resp: 642571
 Ion Ratio Lower Upper
 105 100
 120 40.9 20.3 60.8



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

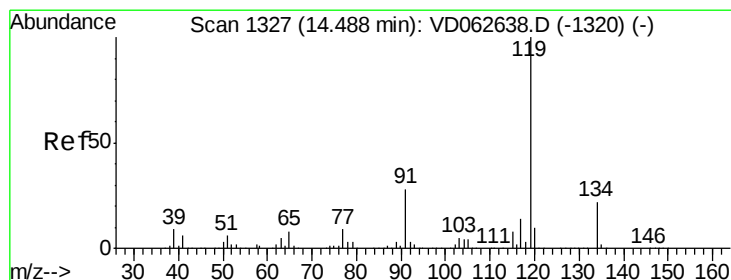
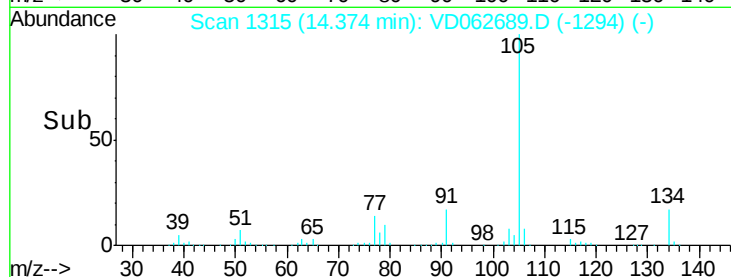
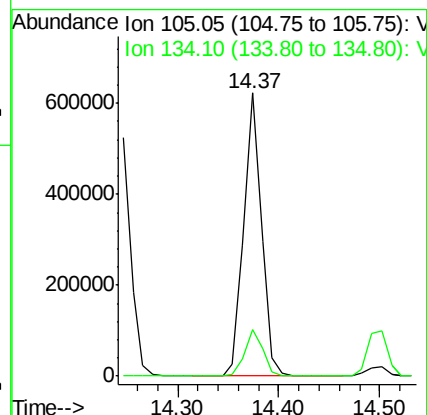
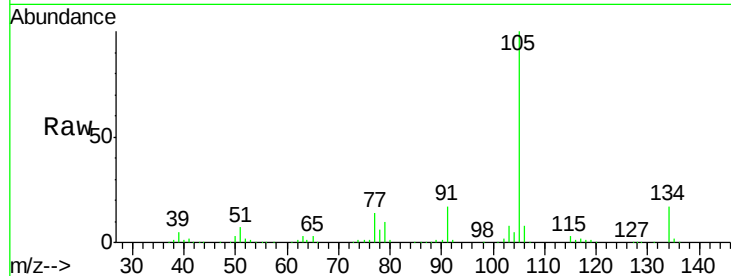




#85
 sec-Butylbenzene
 Concen: 23.268 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

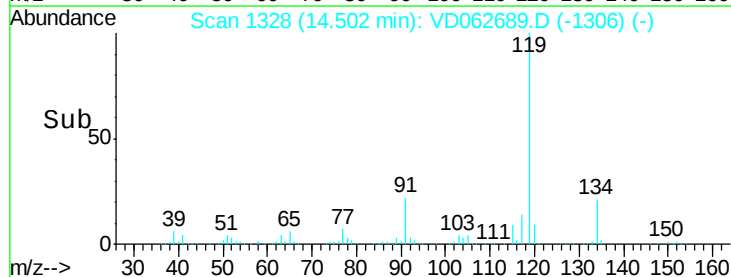
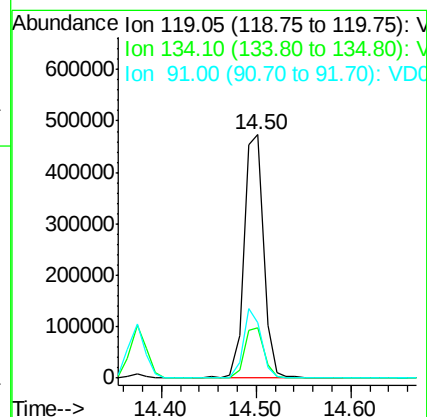
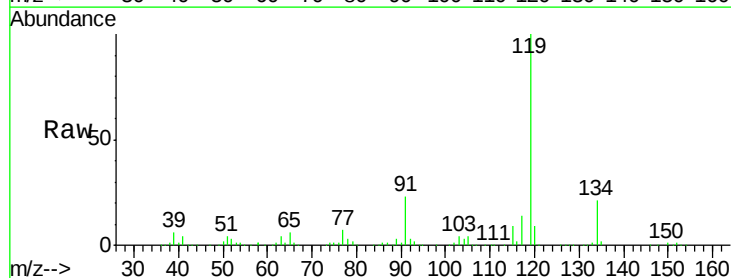
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBSD01

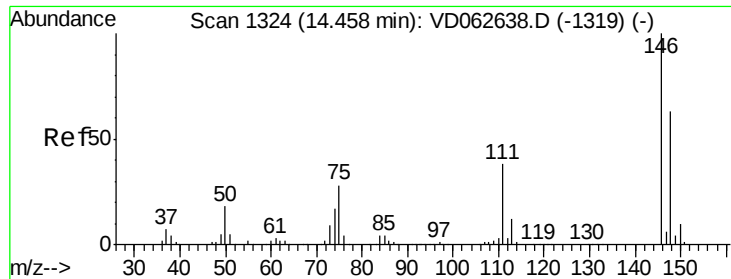
Tot Ion:105 Resp: 761737
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 21.162 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Tgt Ion:119 Resp: 674517
 Ion Ratio Lower Upper
 119 100
 134 20.9 10.9 32.6
 91 22.7 13.9 41.6

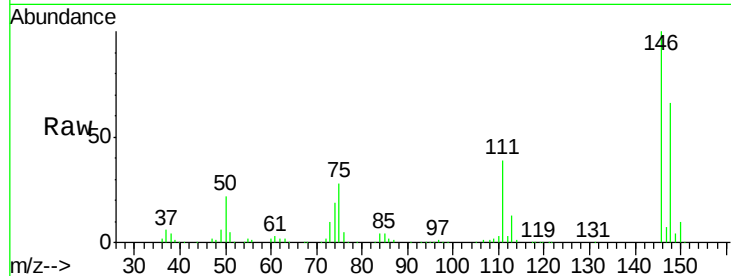




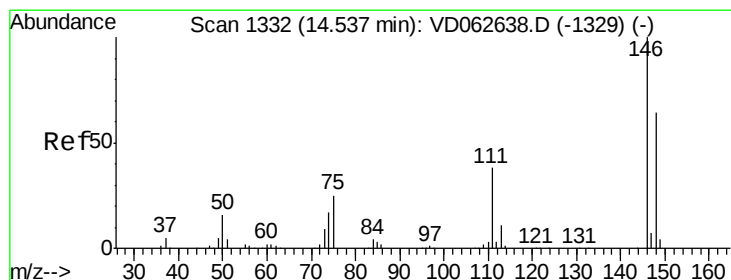
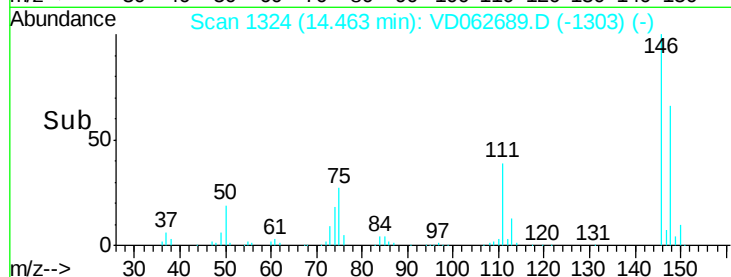
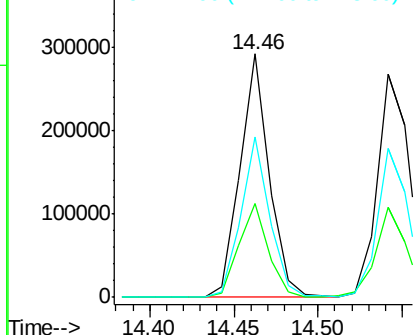
#87
 1,3-Dichlorobenzene
 Concen: 21.196 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBSD01

Tot Ion:146 Resp: 351504
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.2 57.6
 148 65.7 31.6 95.0

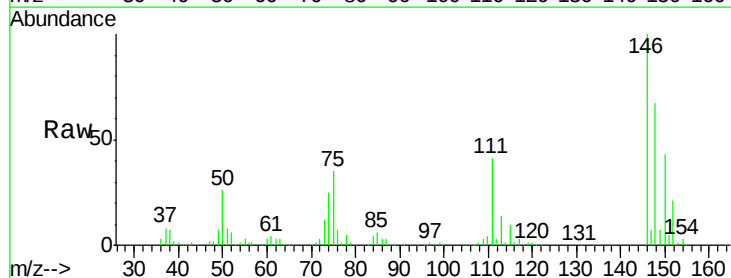


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

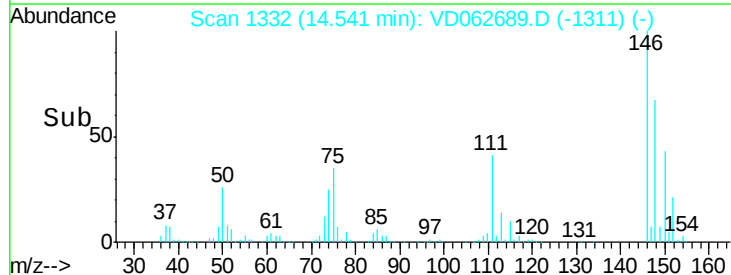
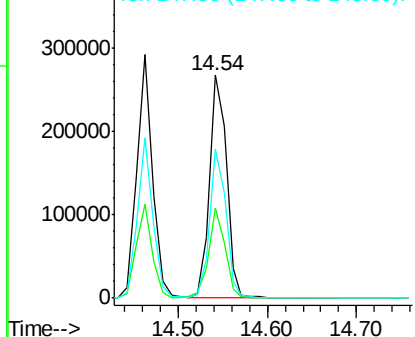


#88
 1,4-Dichlorobenzene
 Concen: 22.539 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Tgt Ion:146 Resp: 353242
 Ion Ratio Lower Upper
 146 100
 111 40.7 18.9 56.7
 148 66.8 32.3 96.8



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





#89

n-Butylbenzene

Concen: 22.568 ug/l

RT: 14.81 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

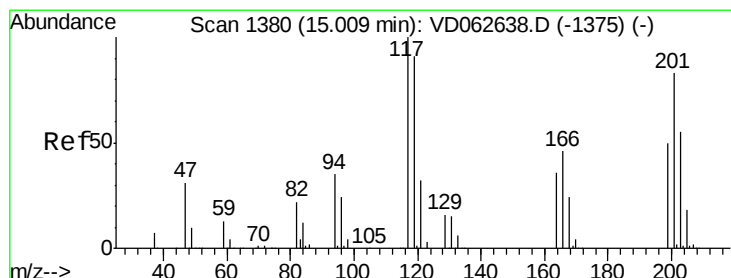
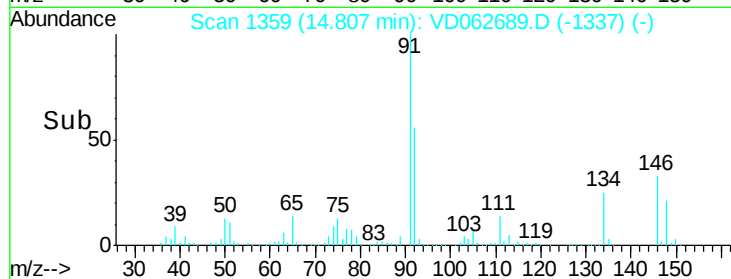
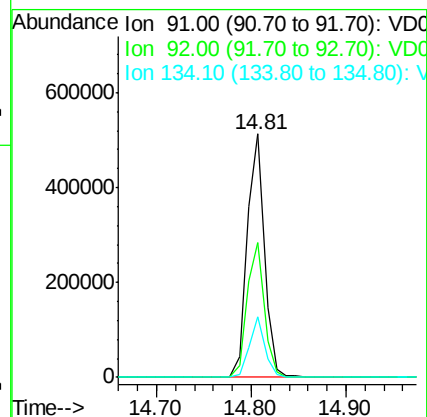
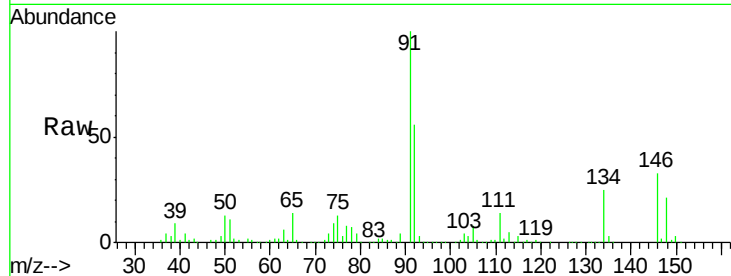
Tot Ion: 91 Resp: 647138

Ion Ratio Lower Upper

91 100

92 55.5 29.4 88.3

134 24.6 10.4 31.2



#90

Hexachloroethane

Concen: 21.575 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062689.D

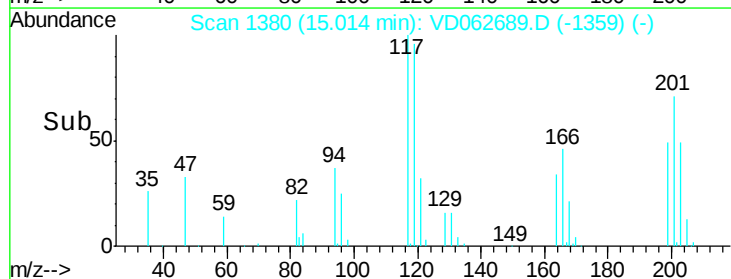
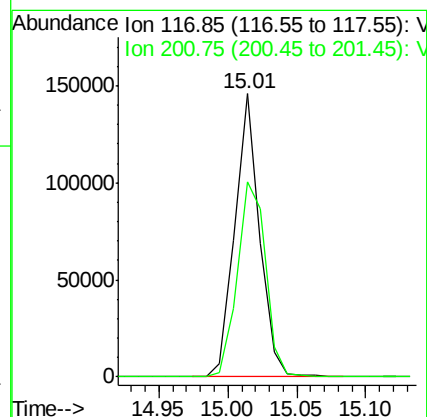
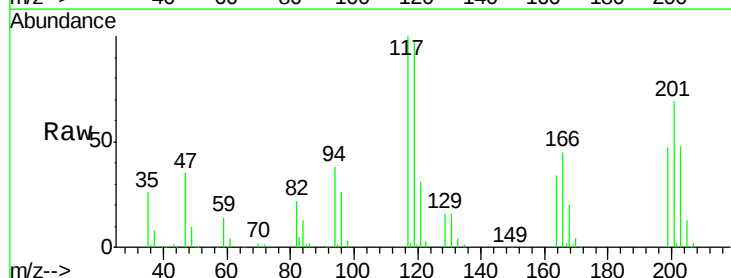
Acq: 13 Jun 2019 12:56

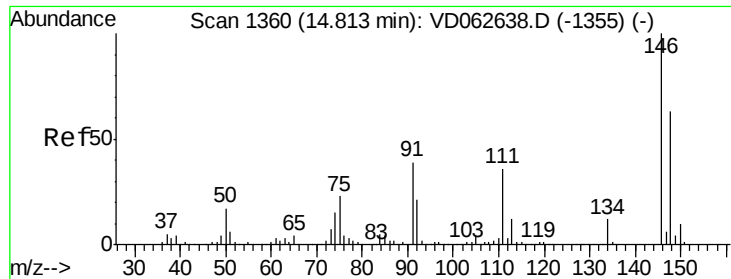
Tgt Ion: 117 Resp: 181542

Ion Ratio Lower Upper

117 100

201 68.7 41.5 124.6





#91

1,2-Dichlorobenzene

Concen: 22.647 ug/l

RT: 14.82 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

Instrument :

MSVOA_D

ClientSampleId :

VD0613SBSD01

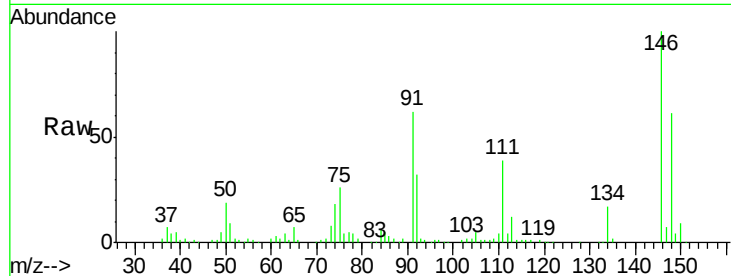
Tot Ion:146 Resp: 312195

Ion Ratio Lower Upper

146 100

111 38.5 18.1 54.3

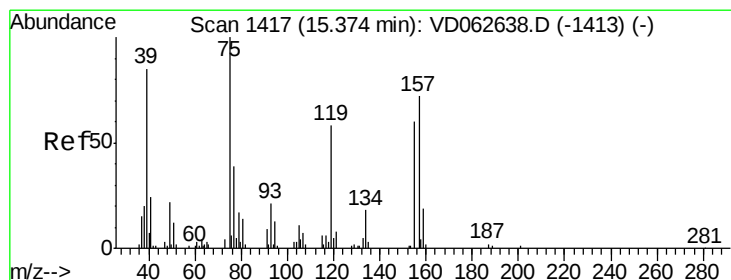
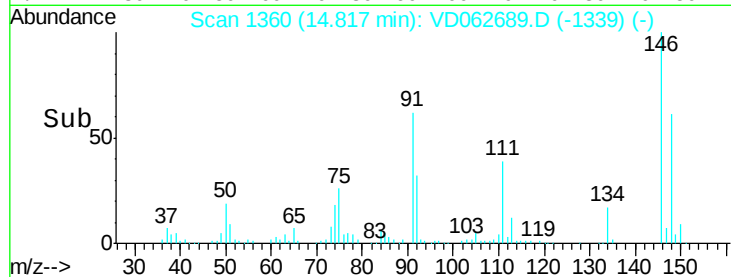
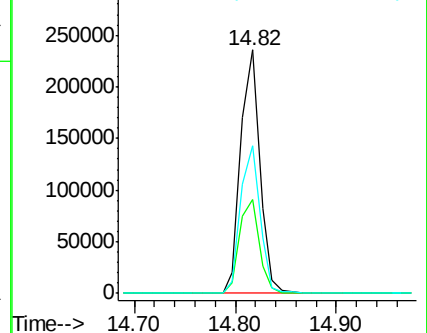
148 60.9 31.4 94.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.105 ug/l

RT: 15.39 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD062689.D

Acq: 13 Jun 2019 12:56

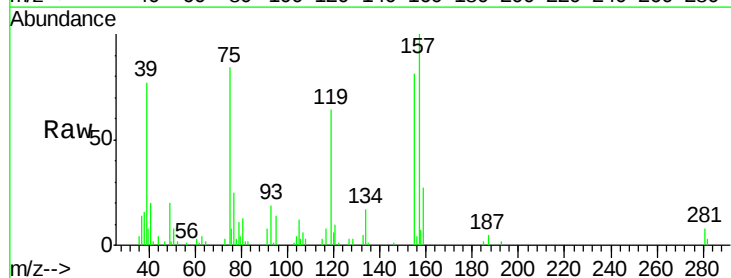
Tgt Ion: 75 Resp: 25875

Ion Ratio Lower Upper

75 100

155 96.4 30.1 90.5#

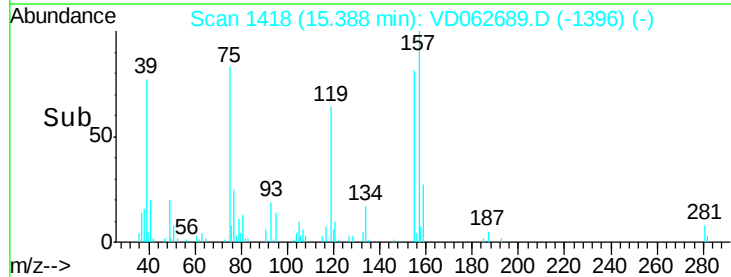
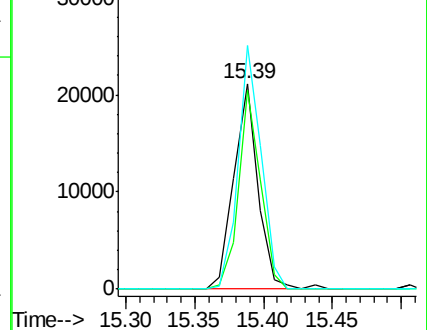
157 118.3 35.9 107.8#

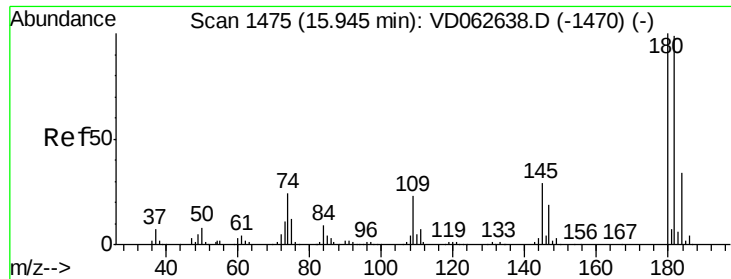


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

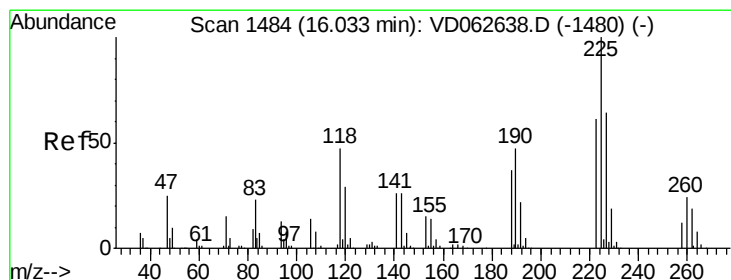
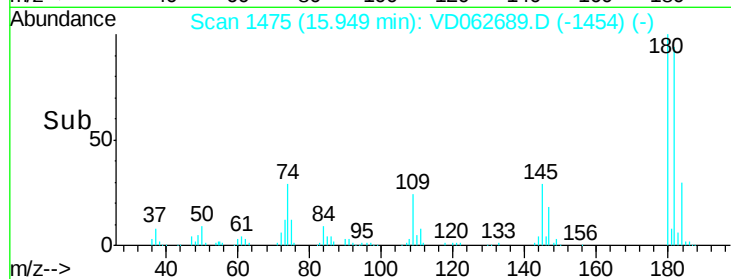
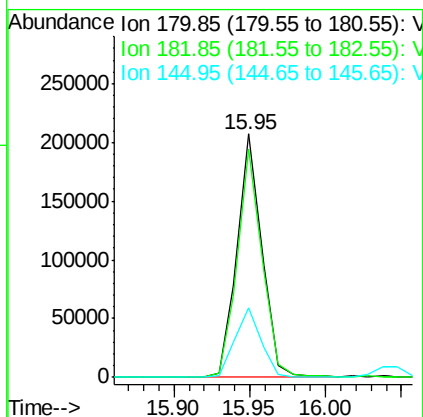
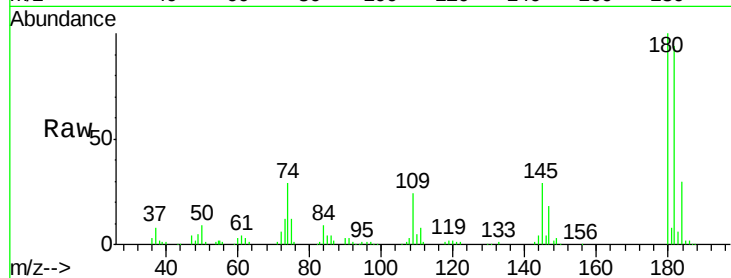




#93
 1,2,4-Trichlorobenzene
 Concen: 22.364 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

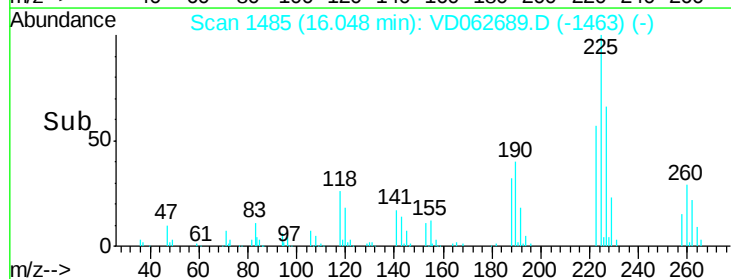
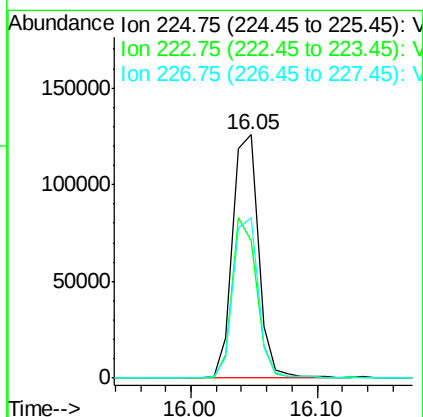
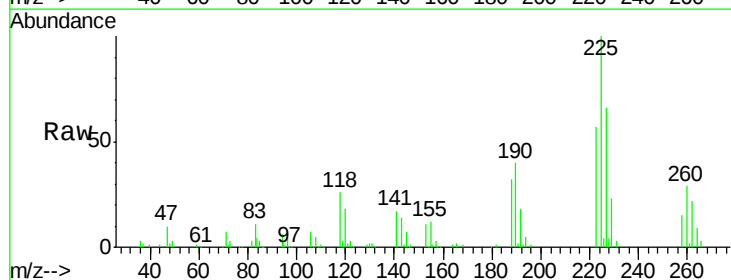
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0613SBSD01

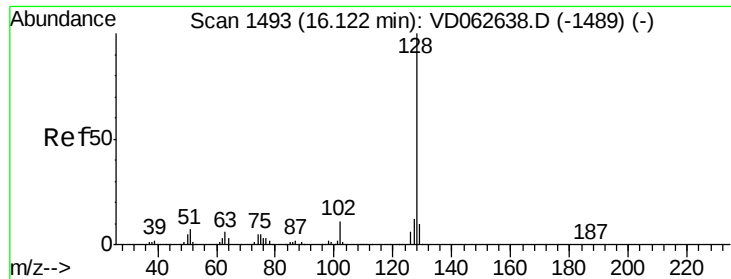
Tot Ion:180 Resp: 236691
 Ion Ratio Lower Upper
 180 100
 182 93.7 49.4 148.2
 145 28.8 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 21.864 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062689.D
 Acq: 13 Jun 2019 12:56

Tgt Ion:225 Resp: 177944
 Ion Ratio Lower Upper
 225 100
 223 56.6 30.3 91.0
 227 66.1 31.8 95.4

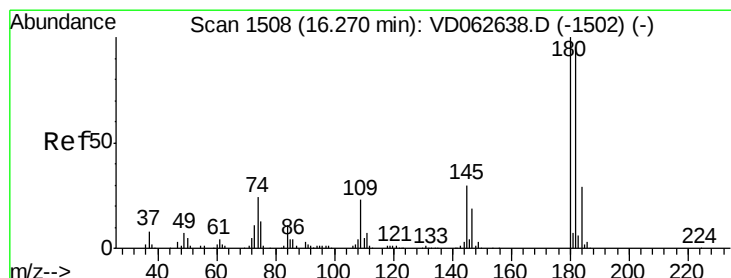
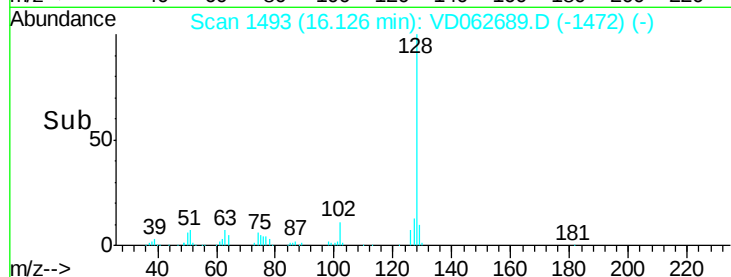
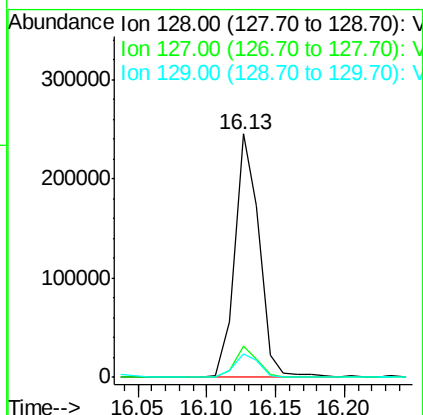
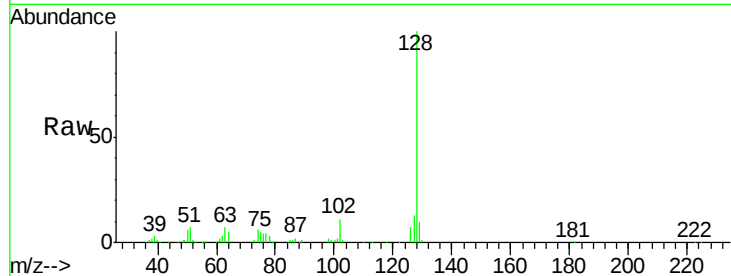




#95
Naphthalene
Concen: 20.466 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Instrument :
MSVOA_D
ClientSampleId :
VD0613SBSD01

Tot Ion:128 Resp: 301343
Ion Ratio Lower Upper
128 100
127 13.1 9.7 14.5
129 9.8 8.1 12.1



#96
1,2,3-Trichlorobenzene
Concen: 23.097 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062689.D
Acq: 13 Jun 2019 12:56

Tgt Ion:180 Resp: 183394
Ion Ratio Lower Upper
180 100
182 92.3 47.7 143.1
145 30.9 15.0 45.0

