

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060719\
 Data File : VD062635.D
 Acq On : 7 Jun 2019 10:53
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 07 23:29:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	656307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	824662	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	750233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	431856	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	49180	5.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.30%	
35) Dibromofluoromethane	6.93	113	45306	5.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.42%	
50) Toluene-d8	10.41	98	92474	4.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.98%	
62) 4-Bromofluorobenzene	13.55	95	48992	5.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	65519	7.756	ug/l	93
3) Chloromethane	1.76	50	42636	6.445	ug/l	93
4) Vinyl Chloride	1.86	62	36779	5.502	ug/l	97
5) Bromomethane	2.16	94	18737	5.588	ug/l	89
6) Chloroethane	2.27	64	19928	5.770	ug/l #	88
7) Trichlorofluoromethane	2.54	101	78153	5.145	ug/l	97
8) Diethyl Ether	2.88	74	11585	5.592	ug/l	63
9) 1,1,2-Trichlorotrifluoroet	3.16	101	45694	5.424	ug/l	95
10) Methyl Iodide	3.30	142	54393	5.065	ug/l #	94
11) Tert butyl alcohol	4.09	59	11485	27.710	ug/l #	61
12) 1,1-Dichloroethene	3.13	96	28753	4.898	ug/l #	92
13) Acrolein	3.04	56	2395	20.908	ug/l	100
14) Allyl chloride	3.63	41	46241	5.124	ug/l #	70
15) Acrylonitrile	4.21	53	21874	24.377	ug/l	96
16) Acetone	3.24	43	47701	26.882	ug/l #	86
17) Carbon Disulfide	3.38	76	91192	5.199	ug/l	97
18) Methyl Acetate	3.65	43	18853	6.529	ug/l #	76
19) Methyl tert-butyl Ether	4.25	73	74475	5.145	ug/l #	91
20) Methylene Chloride	3.83	84	37417	5.654	ug/l #	87
21) trans-1,2-Dichloroethene	4.22	96	33084	5.032	ug/l	89
22) Diisopropyl ether	5.15	45	84951	4.599	ug/l #	88
23) Vinyl Acetate	5.07	43	279886	24.014	ug/l	100
24) 1,1-Dichloroethane	4.99	63	60449	4.956	ug/l #	96
25) 2-Butanone	6.07	43	45106	26.080	ug/l	99
26) 2,2-Dichloropropane	6.03	77	72673	5.150	ug/l #	75
27) cis-1,2-Dichloroethene	6.04	96	35039	5.008	ug/l	92
28) Bromochloromethane	6.43	49	17733	4.060	ug/l	90
29) Tetrahydrofuran	6.46	42	21562	27.704	ug/l #	87
30) Chloroform	6.67	83	81416	5.186	ug/l	92
31) Cyclohexane	6.96	56	33509	4.483	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	83251	5.243	ug/l	93
36) 1,1-Dichloropropene	7.14	75	54527	5.552	ug/l	99
37) Ethyl Acetate	6.20	43	31570	7.373	ug/l #	81
38) Carbon Tetrachloride	7.11	117	77498	4.999	ug/l	97

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 Data File : VD062635.D
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 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 07 23:29:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 23:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	39922	5.108	ug/l	92
40) Benzene	7.46	78	93721	5.009	ug/l	93
41) Methacrylonitrile	6.46	41	29102	5.671	ug/l #	87
42) 1,2-Dichloroethane	7.58	62	58627	5.225	ug/l	95
43) Isopropyl Acetate	9.24	43	26107	5.193	ug/l #	97
44) Trichloroethene	8.55	130	40616	5.259	ug/l	84
45) 1,2-Dichloropropane	8.94	63	21877	4.820	ug/l #	82
46) Dibromomethane	9.06	93	21978	5.407	ug/l	95
47) Bromodichloromethane	9.38	83	57383	5.200	ug/l	94
48) Methyl methacrylate	9.12	41	20678	5.525	ug/l	92
49) 1,4-Dioxane	9.09	88	2872	97.135	ug/l #	65
51) 4-Methyl-2-Pentanone	10.30	43	95404	26.724	ug/l	98
52) Toluene	10.51	92	69948	5.464	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	45855	5.048	ug/l #	85
54) cis-1,3-Dichloropropene	10.04	75	47508	5.054	ug/l	87
55) 1,1,2-Trichloroethane	11.20	97	22653	5.296	ug/l	96
56) Ethyl methacrylate	11.04	69	23846	5.100	ug/l	86
57) 1,3-Dichloropropane	11.41	76	34672	5.154	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.85	63	78889	33.570	ug/l	91
59) 2-Hexanone	11.53	43	73286	27.272	ug/l	95
60) Dibromochloromethane	11.68	129	40330	4.747	ug/l	95
61) 1,2-Dibromoethane	11.81	107	26118	5.035	ug/l	82
64) Tetrachloroethene	11.26	164	35895	5.039	ug/l #	79
65) Chlorobenzene	12.40	112	81169	4.830	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	39006	4.843	ug/l	99
67) Ethyl Benzene	12.52	91	145858	4.881	ug/l	97
68) m/p-Xylenes	12.67	106	101025	9.636	ug/l	89
69) o-Xylene	13.05	106	48261	4.904	ug/l	91
70) Styrene	13.07	104	89590	5.106	ug/l	96
71) Bromoform	13.24	173	26074	4.658	ug/l #	89
73) Isopropylbenzene	13.40	105	165114	5.251	ug/l	100
74) N-amyl acetate	13.27	43	42201	4.984	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	25482	4.790	ug/l	90
76) 1,2,3-Trichloropropane	13.73	75	30154	5.061	ug/l	97
77) Bromobenzene	13.67	156	41587	4.700	ug/l	95
78) n-propylbenzene	13.77	91	182704	4.800	ug/l	95
79) 2-Chlorotoluene	13.84	91	108701	4.895	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	135050	4.921	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	6569	4.280	ug/l #	94
82) 4-Chlorotoluene	13.95	91	134340	5.028	ug/l	99
83) tert-Butylbenzene	14.19	119	150795	4.925	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	137087	4.972	ug/l	93
85) sec-Butylbenzene	14.37	105	154798	4.861	ug/l	99
86) p-Isopropyltoluene	14.49	119	150068	4.858	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	86381	5.278	ug/l	92
88) 1,4-Dichlorobenzene	14.54	146	78836	5.129	ug/l	97
89) n-Butylbenzene	14.79	91	142069	5.047	ug/l	96
90) Hexachloroethane	15.01	117	37664	4.629	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	70514	5.243	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	6959	5.923	ug/l #	35

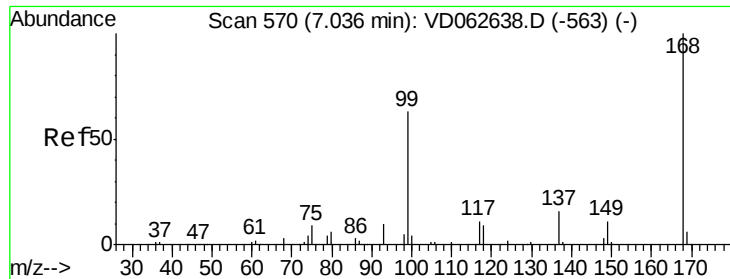
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060719\
Data File : VD062635.D
Acq On : 7 Jun 2019 10:53
Operator : FY/SY
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jun 07 23:29:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 07 23:24:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	49378	4.839	ug/l	93
94) Hexachlorobutadiene	16.03	225	41155	5.108	ug/l	89
95) Naphthalene	16.12	128	66265	4.674	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	39213	5.072	ug/l	97

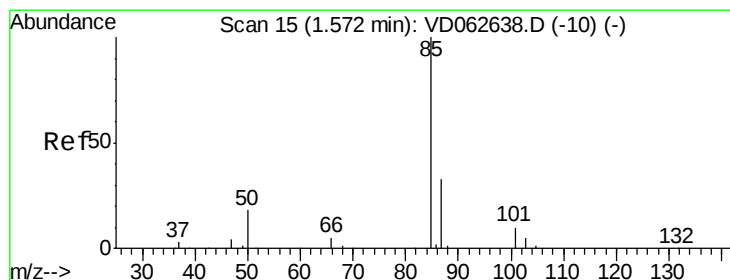
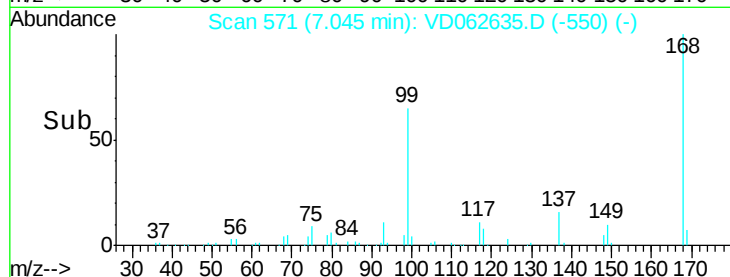
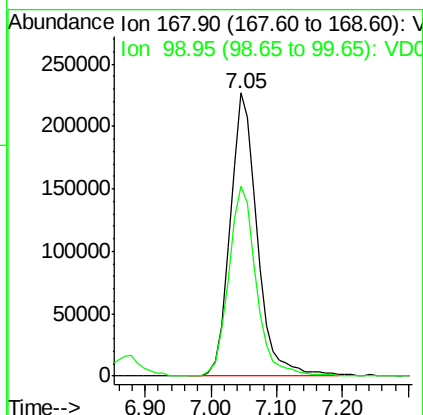
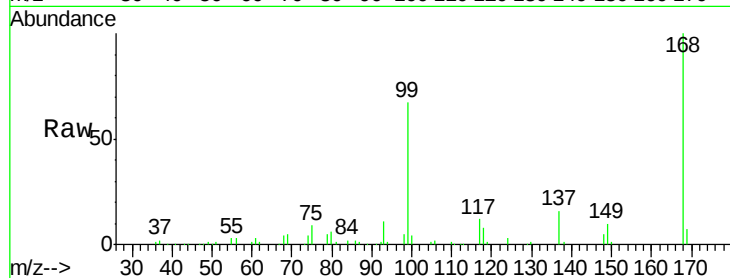
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.01 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

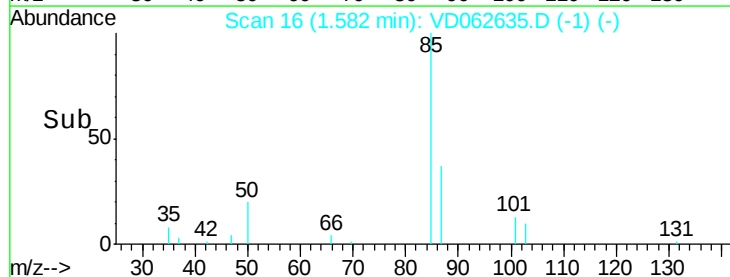
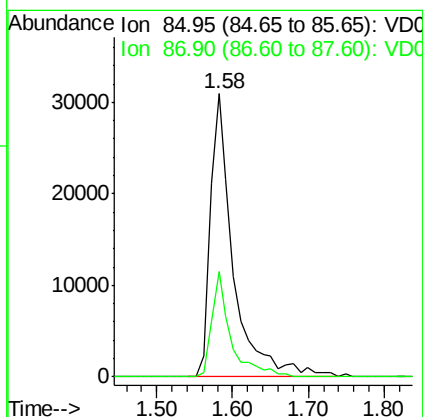
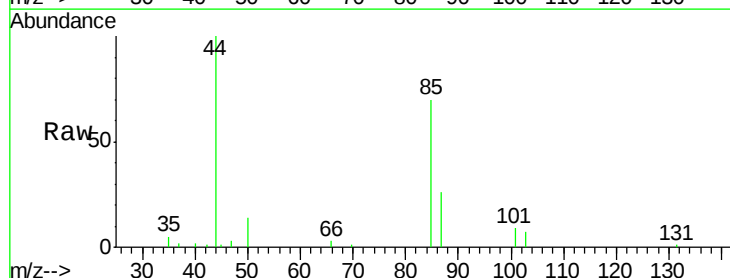
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

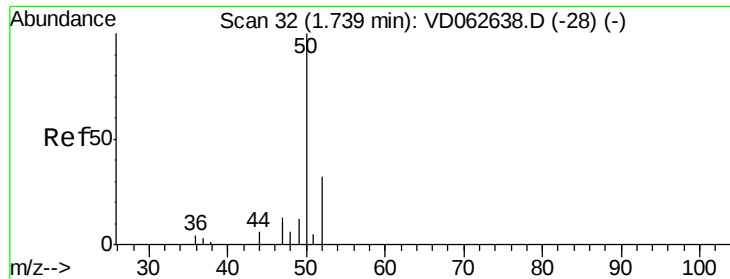
Tot Ion:168 Resp: 656307
Ion Ratio Lower Upper
168 100
99 67.2 51.4 77.2



#2
Dichlorodifluoromethane
Concen: 7.756 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.01 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion: 85 Resp: 65519
Ion Ratio Lower Upper
85 100
87 37.2 16.6 49.7





#3

Chloromethane

Concen: 6.445 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

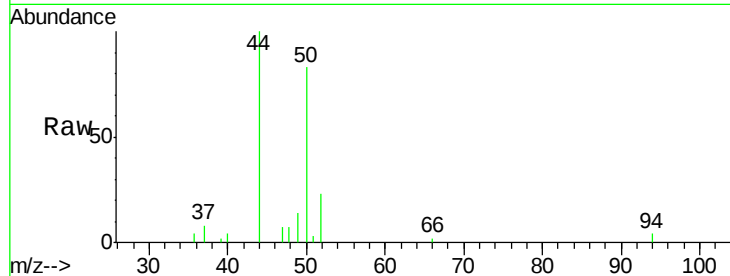
VSTDIC005

Tot Ion: 50 Resp: 42636

Ion Ratio Lower Upper

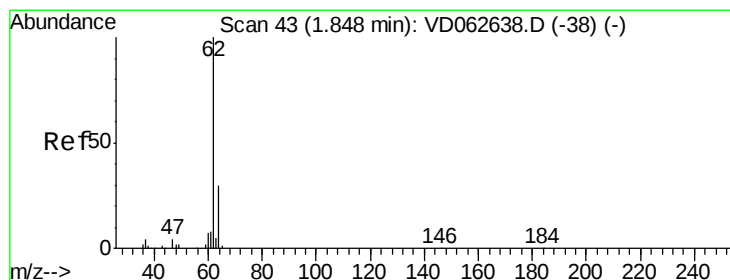
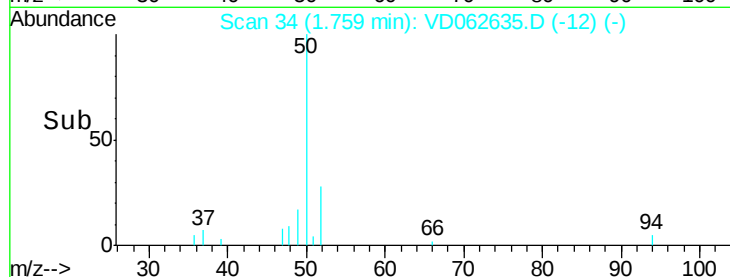
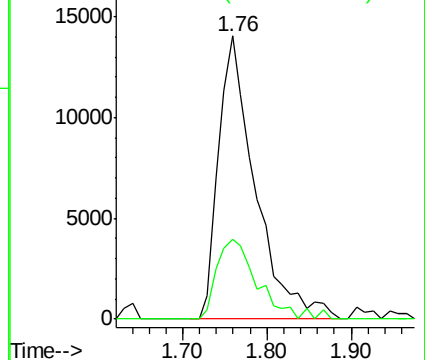
50 100

52 28.1 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: 5.502 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD062635.D

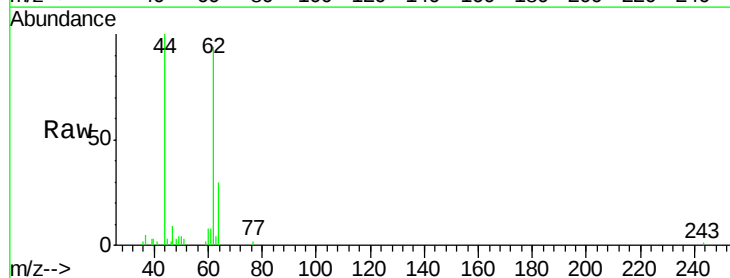
Acq: 7 Jun 2019 10:53

Tgt Ion: 62 Resp: 36779

Ion Ratio Lower Upper

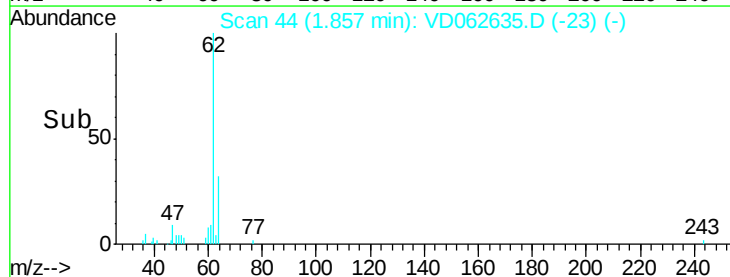
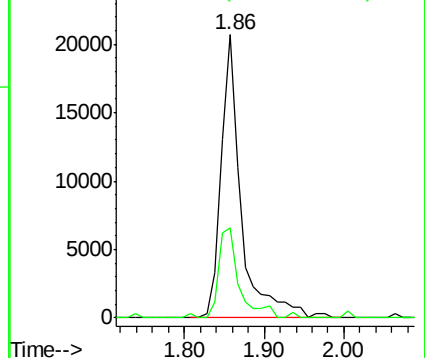
62 100

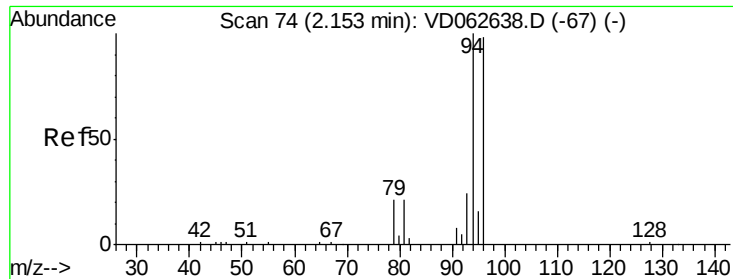
64 32.0 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 5.588 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

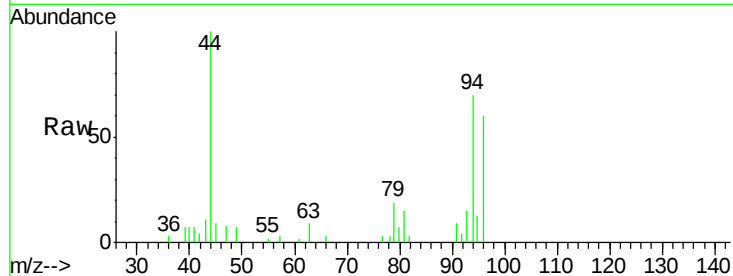
Tot Ion: 94 Resp: 18737

Ion Ratio Lower Upper

94 100

96 84.9 78.1 117.1

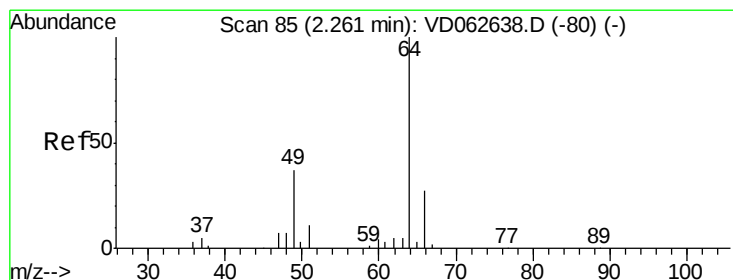
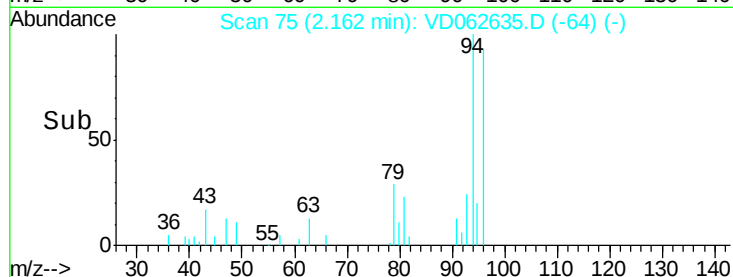
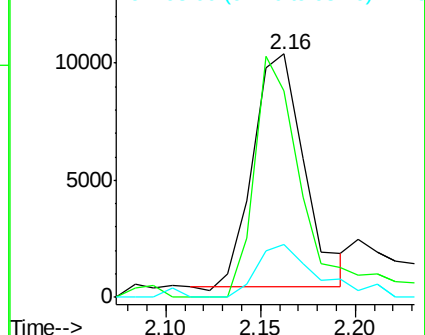
93 21.9 19.6 29.4



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: 5.770 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD062635.D

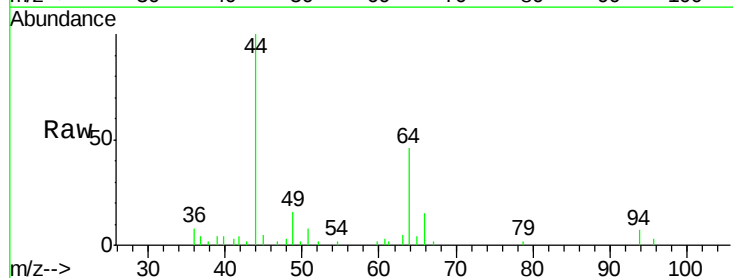
Acq: 7 Jun 2019 10:53

Tgt Ion: 64 Resp: 19928

Ion Ratio Lower Upper

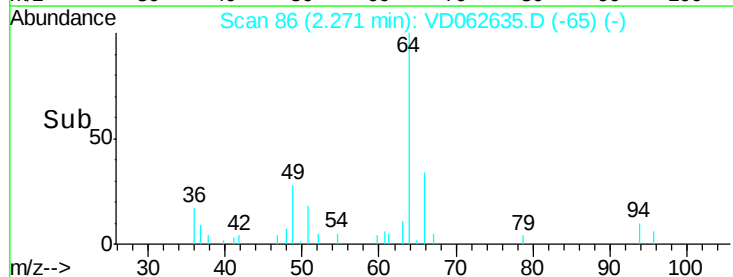
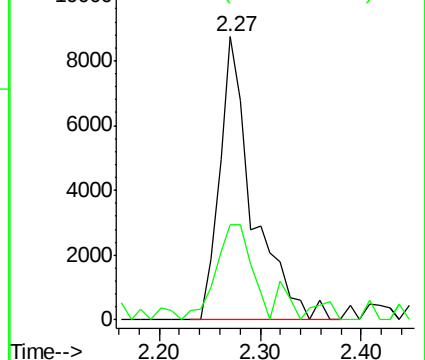
64 100

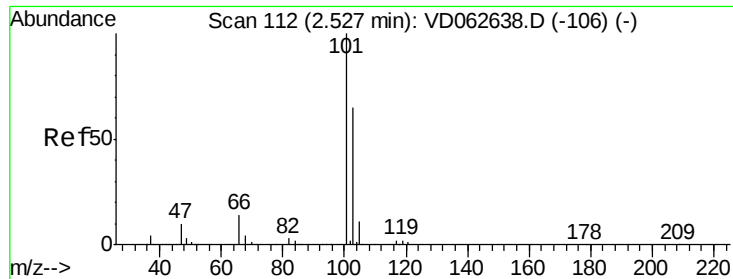
66 33.8 21.9 32.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



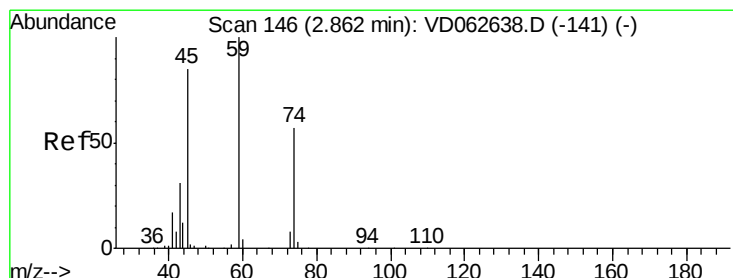
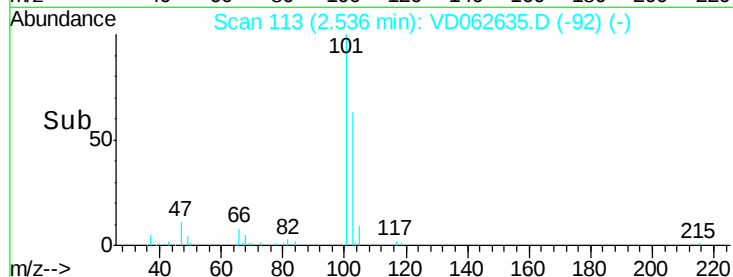
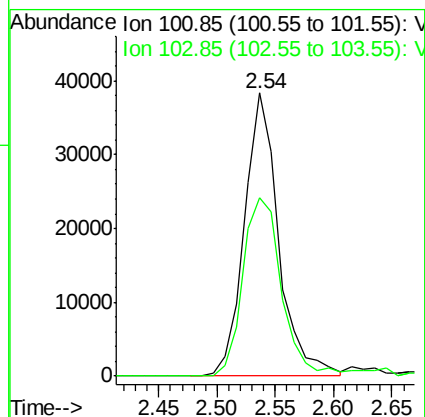
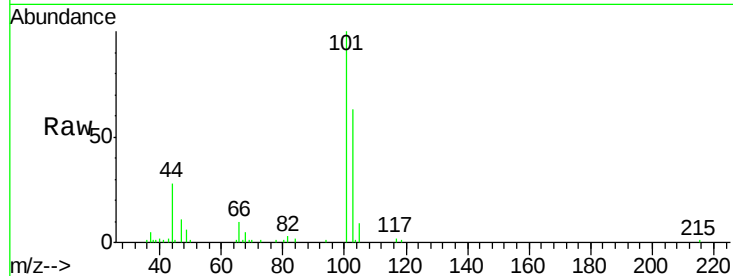


#7

Trichlorofluoromethane
Concen: 5.145 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

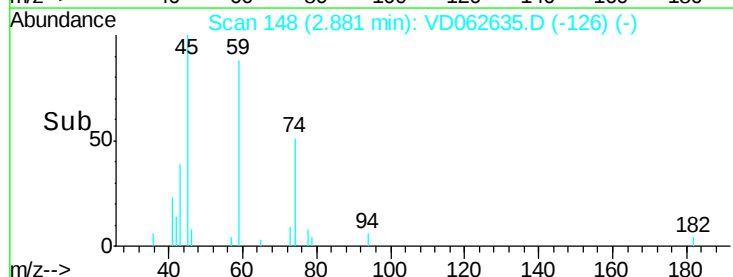
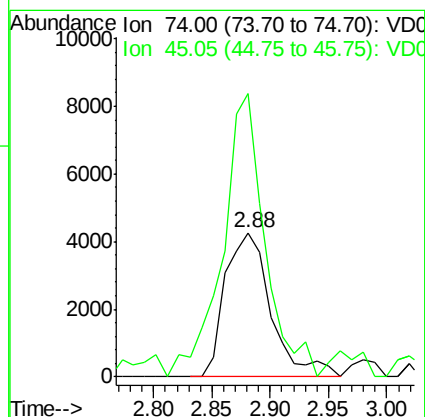
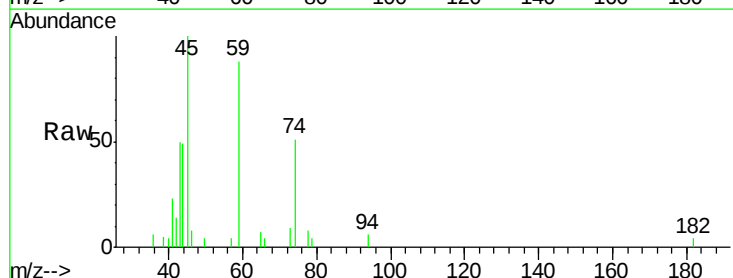
Tot Ion:101 Resp: 78153
Ion Ratio Lower Upper
101 100
103 63.0 52.2 78.2

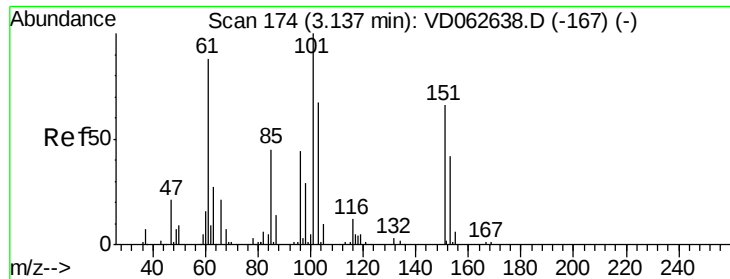


#8

Diethyl Ether
Concen: 5.592 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.02 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion: 74 Resp: 11585
Ion Ratio Lower Upper
74 100
45 196.6 74.9 224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.424 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

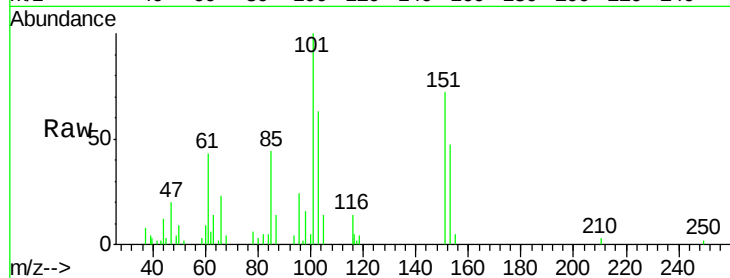
Tot Ion:101 Resp: 45694

Ion Ratio Lower Upper

101 100

85 43.6 36.0 54.0

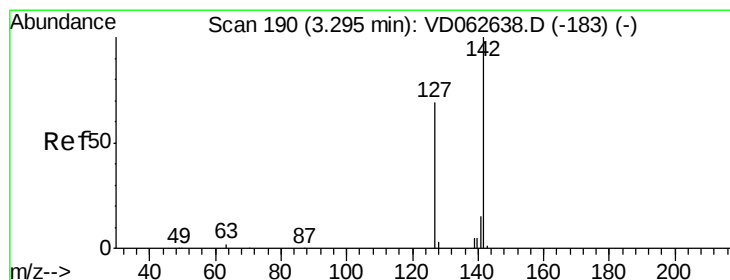
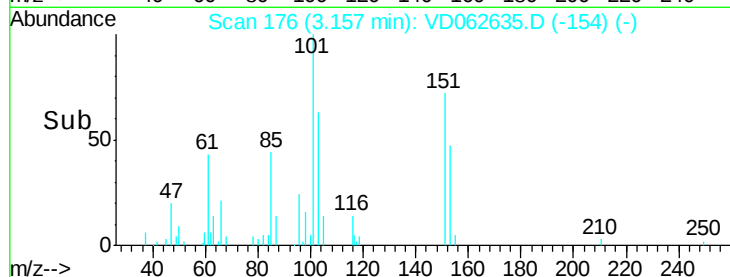
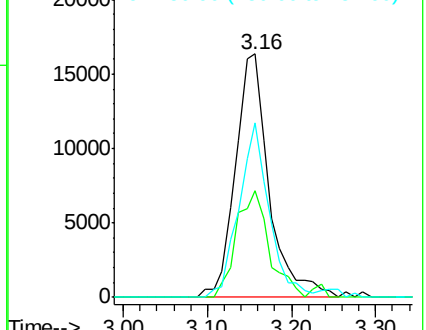
151 71.6 52.6 79.0



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: 5.065 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

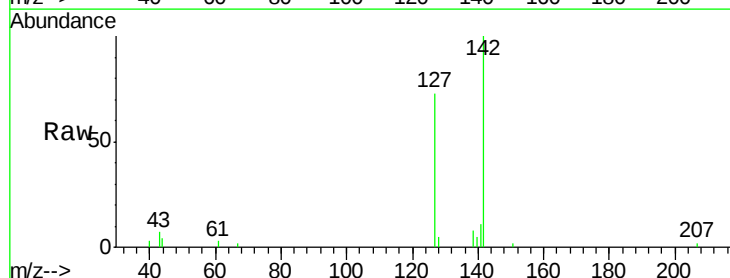
Tgt Ion:142 Resp: 54393

Ion Ratio Lower Upper

142 100

127 73.3 55.2 82.8

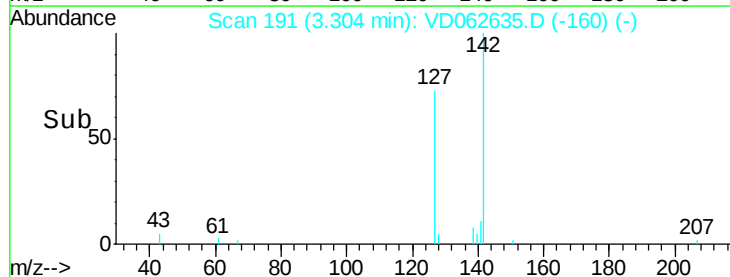
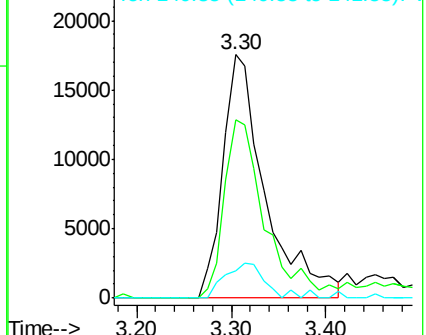
141 11.4 12.1 18.1#

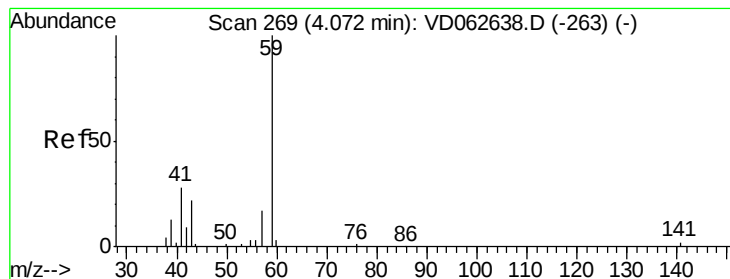


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



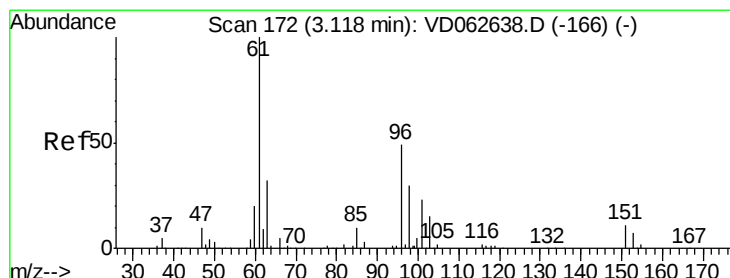
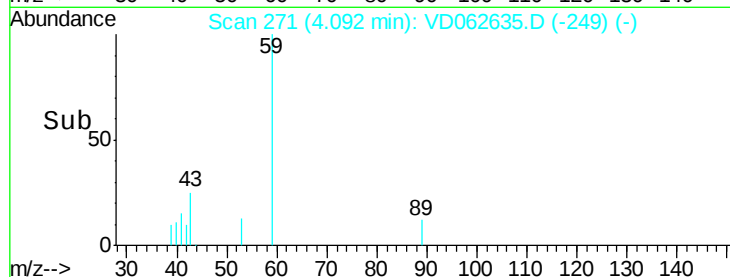
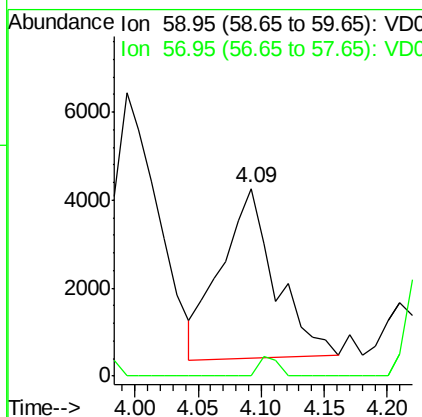
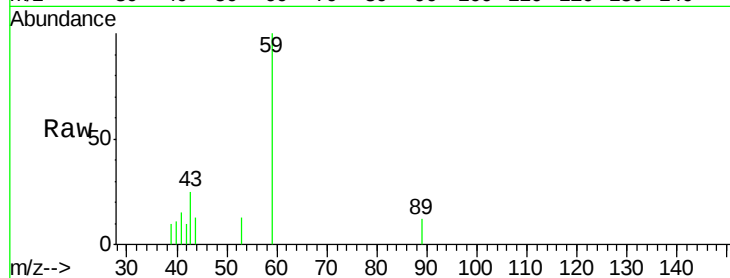


#11

Tert butyl alcohol
Concen: 27.710 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.02 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

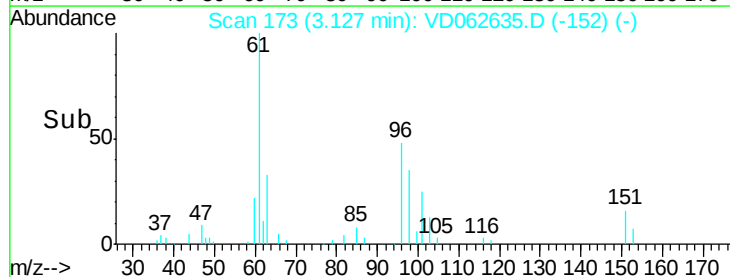
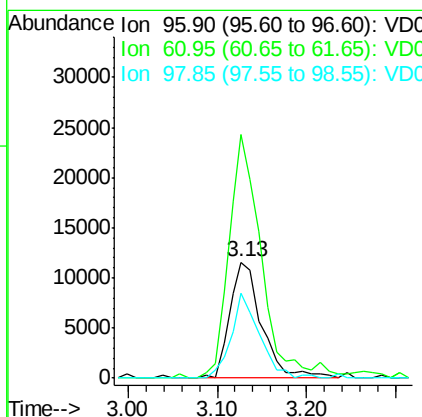
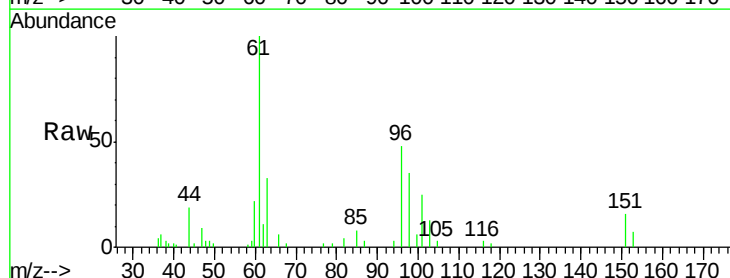
Tot Ion: 59 Resp: 11485
Ion Ratio Lower Upper
59 100
57 0.0 13.7 20.5#

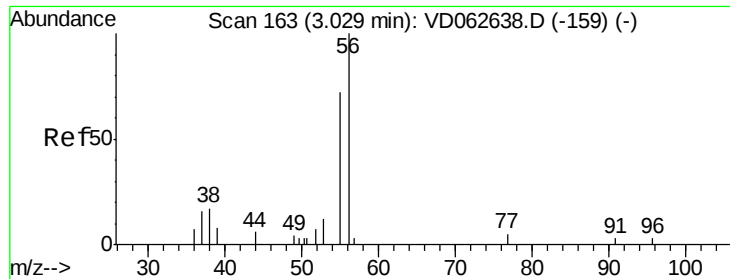


#12

1,1-Dichloroethene
Concen: 4.898 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion: 96 Resp: 28753
Ion Ratio Lower Upper
96 100
61 209.7 161.8 242.8
98 73.1 48.2 72.4#





#13

Acrolein

Concen: 20.908 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

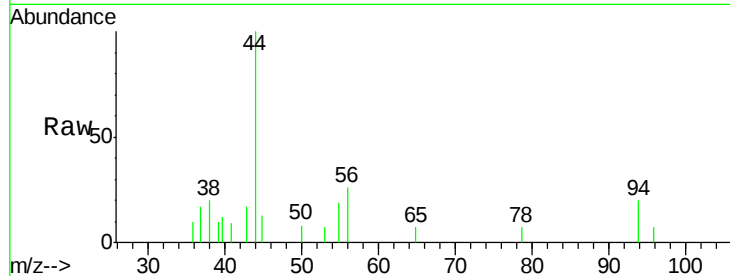
VSTDIC005

Tot Ion: 56 Resp: 2395

Ion Ratio Lower Upper

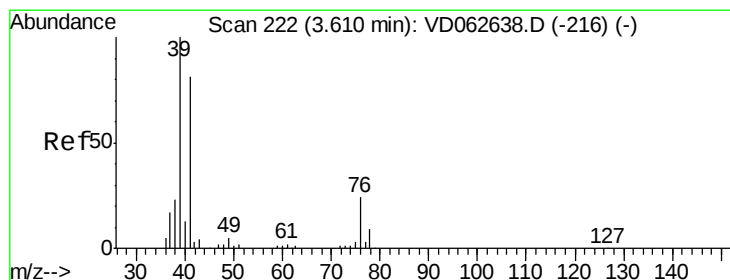
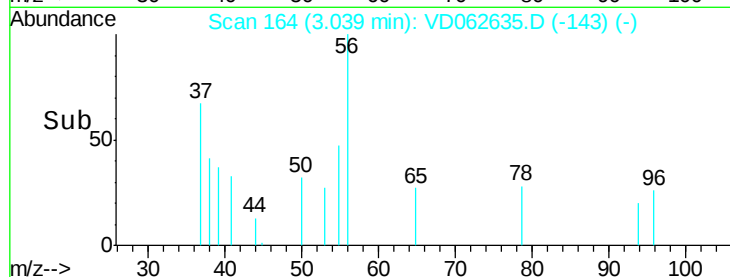
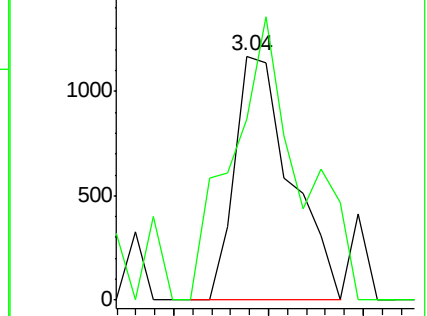
56 100

55 74.5 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.124 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

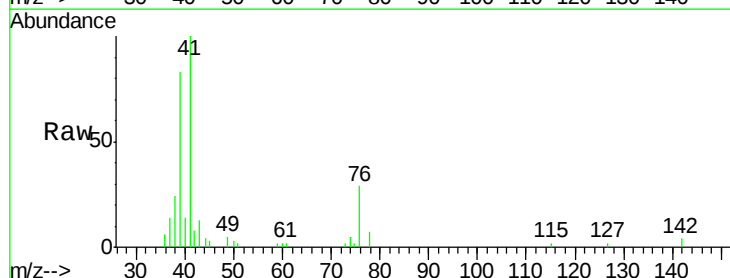
Tgt Ion: 41 Resp: 46241

Ion Ratio Lower Upper

41 100

39 82.7 99.1 148.7#

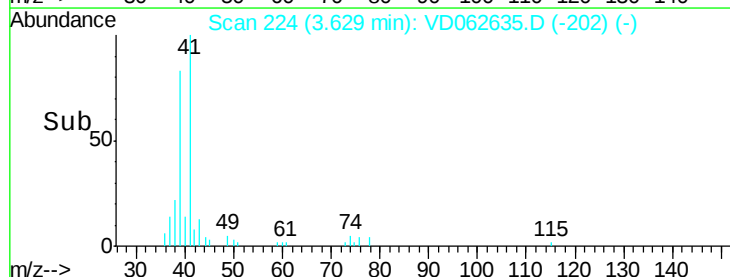
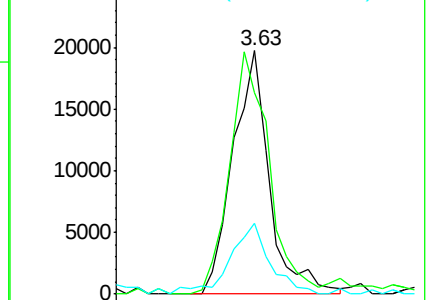
76 28.9 25.0 37.6

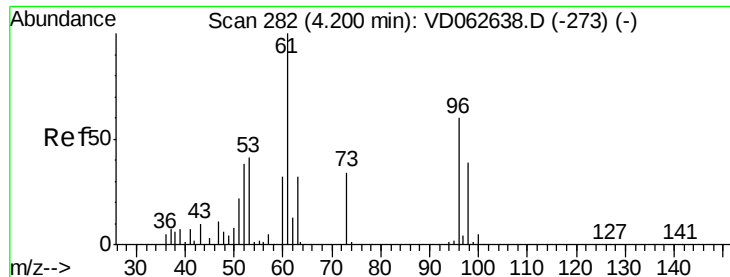


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 24.377 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

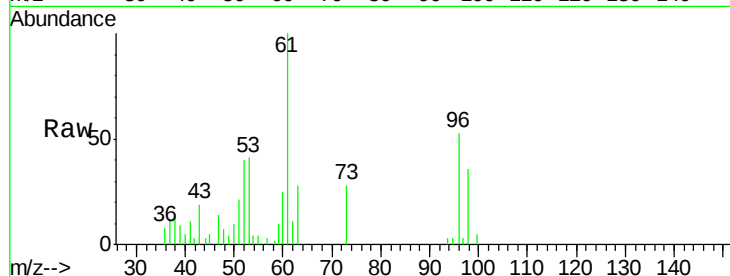
Tot Ion: 53 Resp: 21874

Ion Ratio Lower Upper

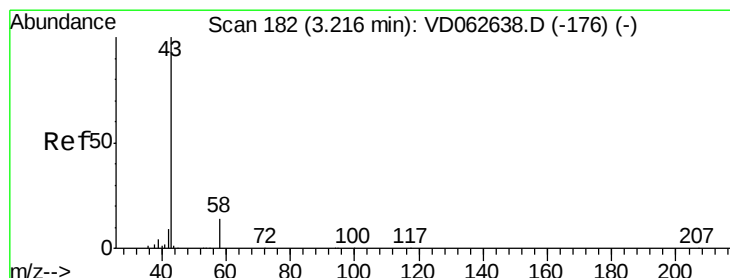
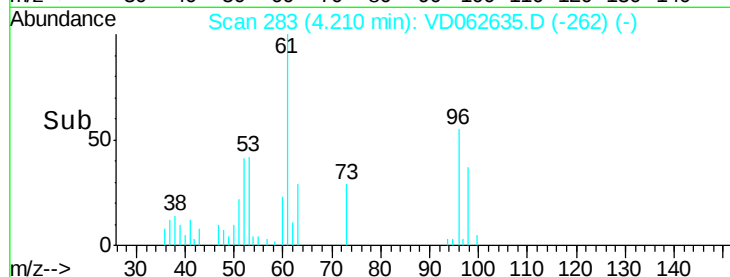
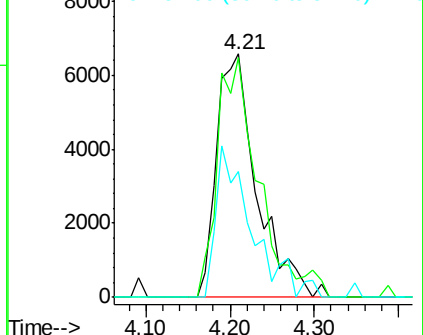
53 100

52 98.2 73.6 110.4

51 51.9 42.0 63.0



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 26.882 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD062635.D

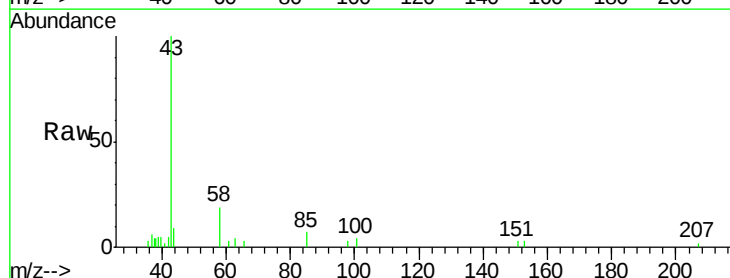
Acq: 7 Jun 2019 10:53

Tgt Ion: 43 Resp: 47701

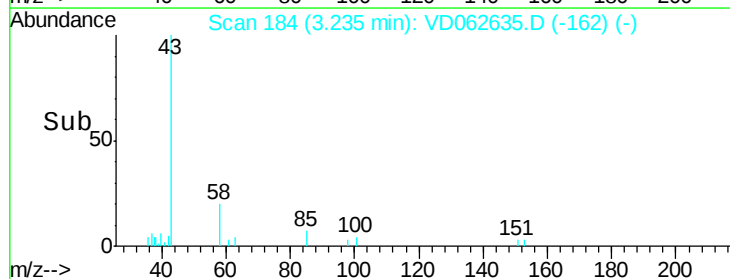
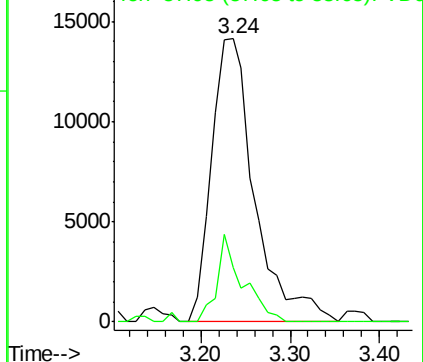
Ion Ratio Lower Upper

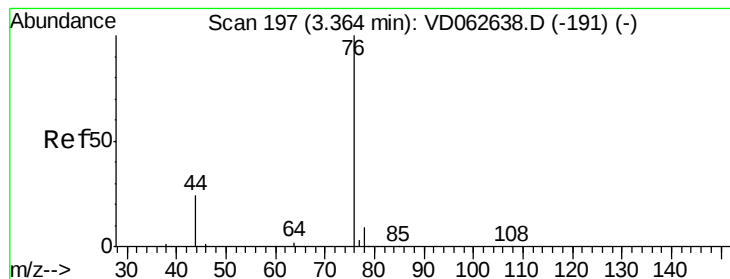
43 100

58 19.3 10.8 16.2#



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





#17

Carbon Disulfide

Concen: 5.199 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

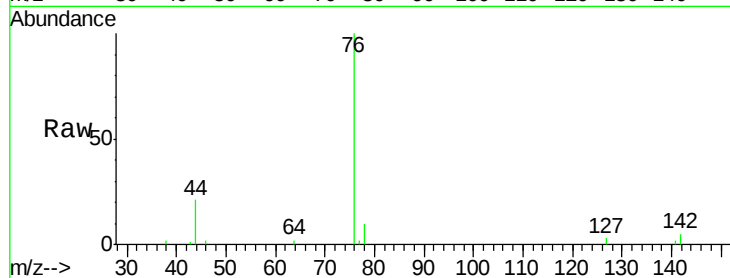
VSTDIC005

Tot Ion: 76 Resp: 91192

Ion Ratio Lower Upper

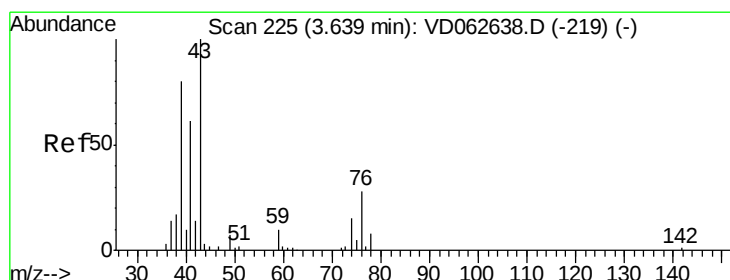
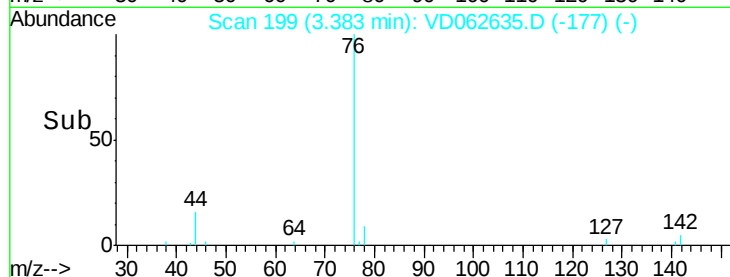
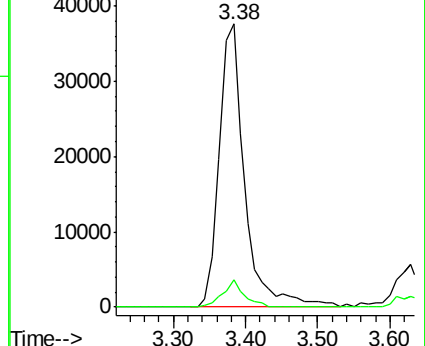
76 100

78 9.6 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: 6.529 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD062635.D

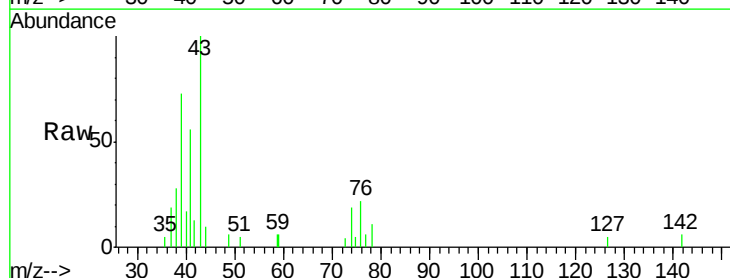
Acq: 7 Jun 2019 10:53

Tgt Ion: 43 Resp: 18853

Ion Ratio Lower Upper

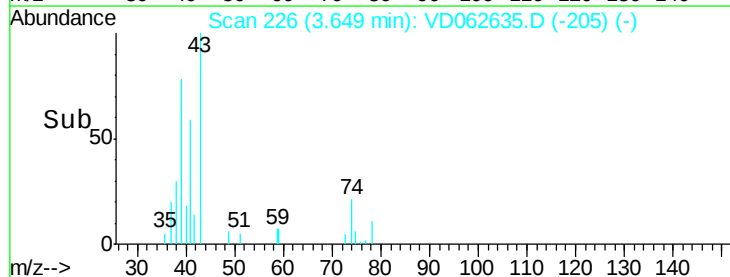
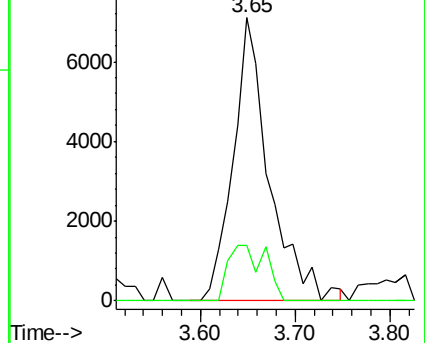
43 100

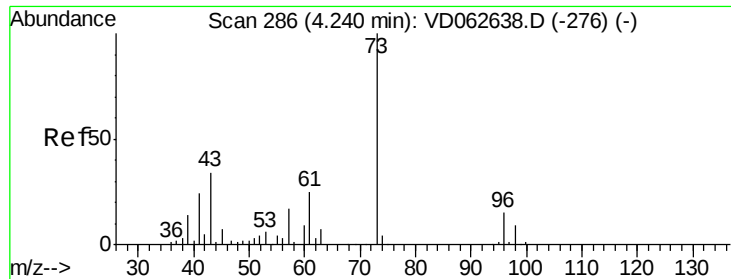
74 24.9 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

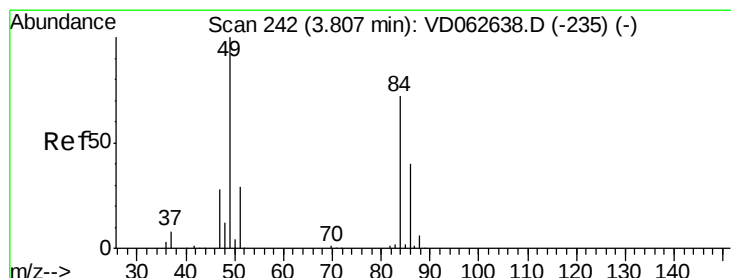
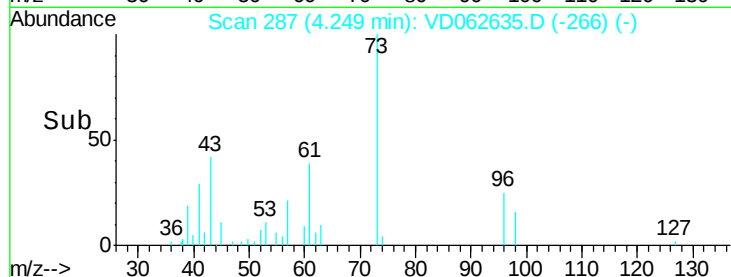
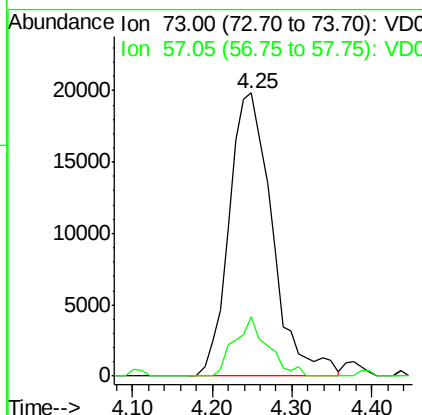
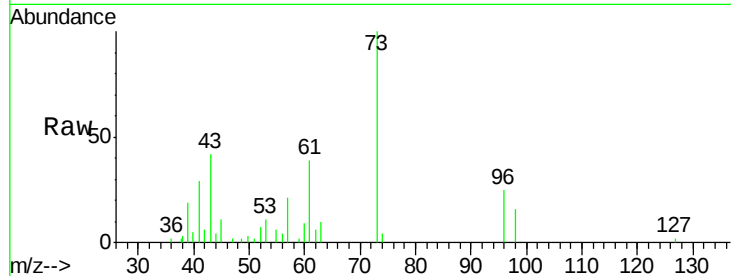




#19
Methyl tert-butyl Ether
Concen: 5.145 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

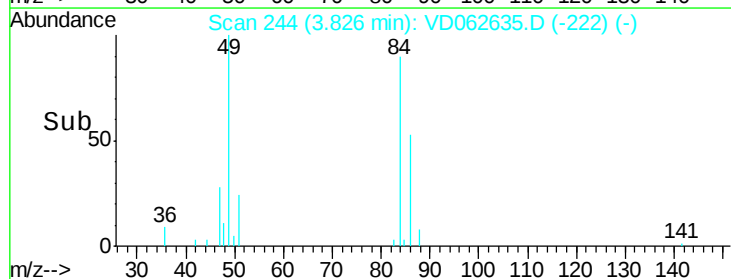
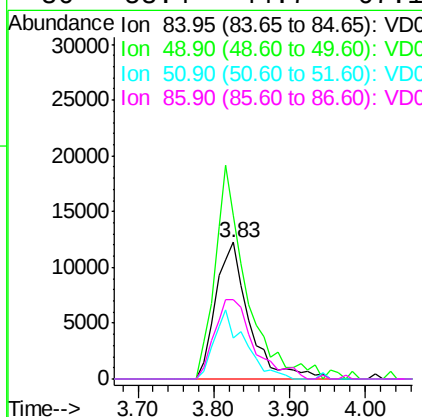
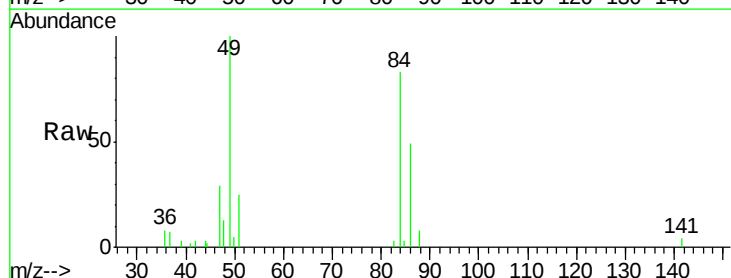
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

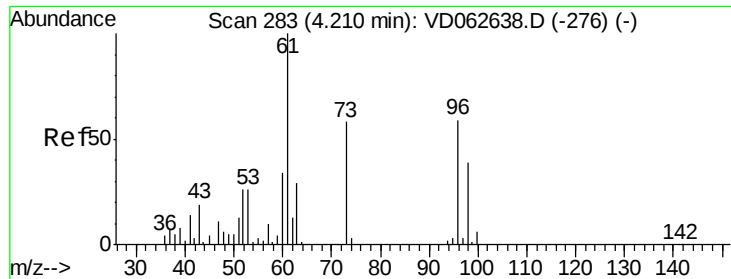
Tot Ion: 73 Resp: 74475
Ion Ratio Lower Upper
73 100
57 20.9 13.5 20.3#



#20
Methylene Chloride
Concen: 5.654 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion: 84 Resp: 37417
Ion Ratio Lower Upper
84 100
49 119.8 111.2 166.8
51 30.5 31.9 47.9#
86 58.4 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 5.032 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

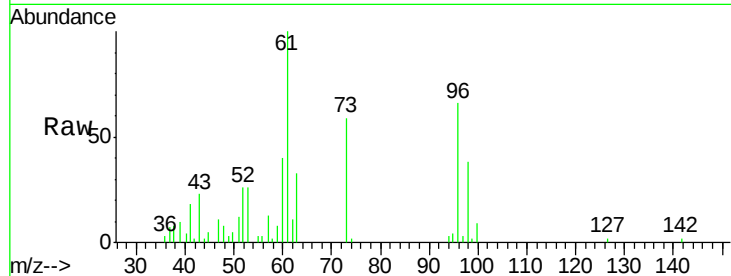
Tot Ion: 96 Resp: 33084

Ion Ratio Lower Upper

96 100

61 152.4 134.6 201.8

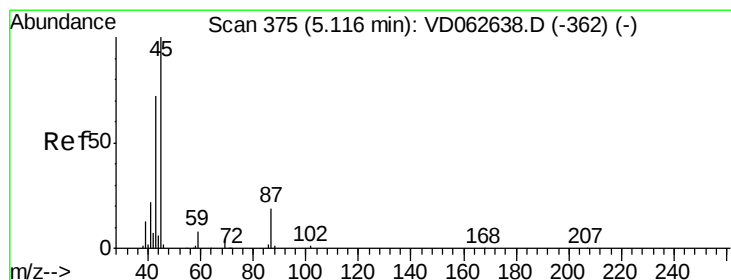
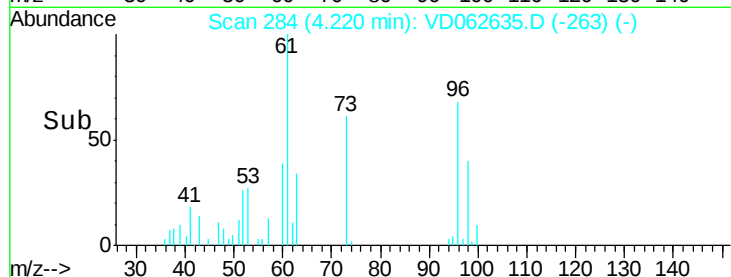
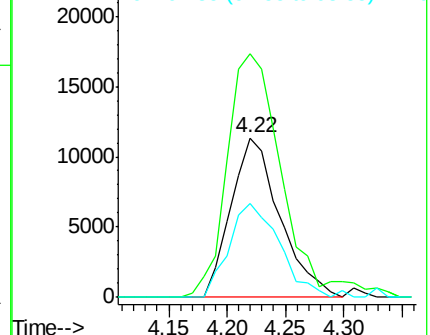
98 58.4 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 4.599 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.03 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Tgt Ion: 45 Resp: 84951

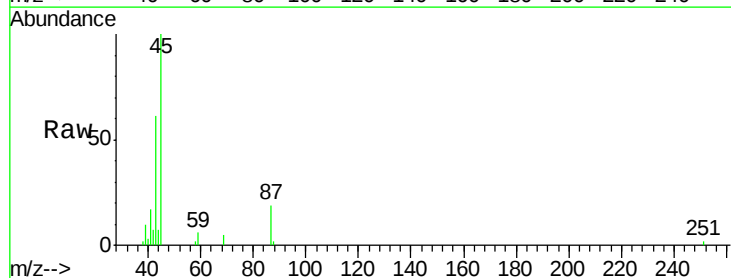
Ion Ratio Lower Upper

45 100

43 60.9 58.8 88.2

87 20.7 15.7 23.5

59 6.1 6.6 9.8#

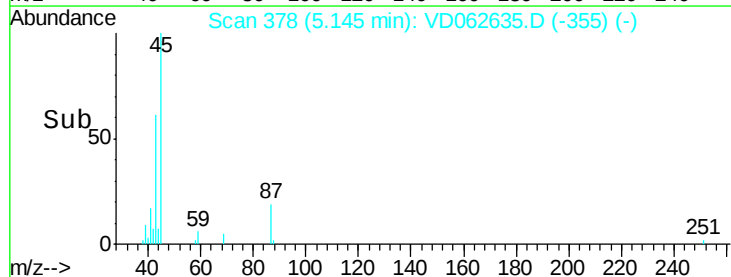
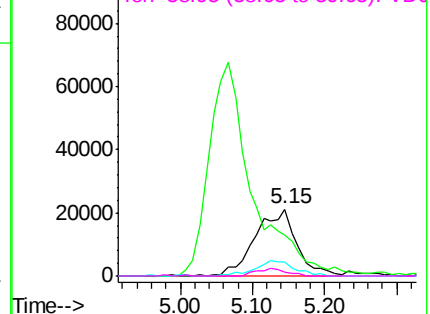


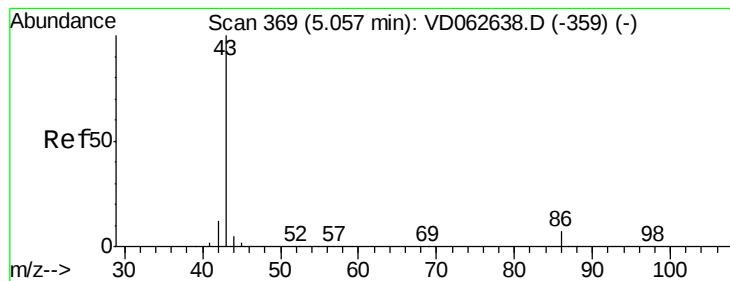
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 24.014 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

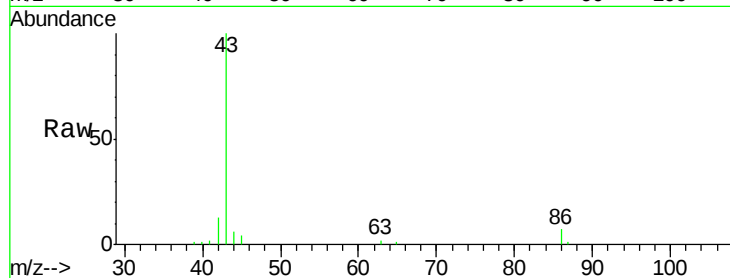
VSTDIC005

Tot Ion: 43 Resp: 279886

Ion Ratio Lower Upper

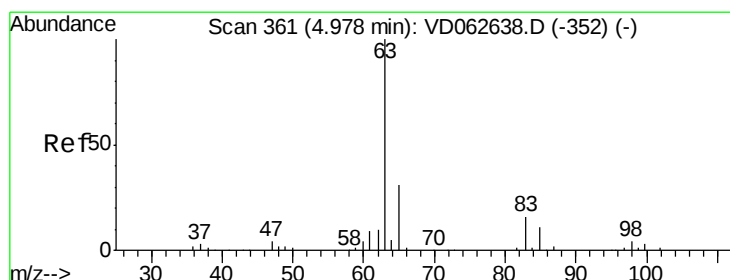
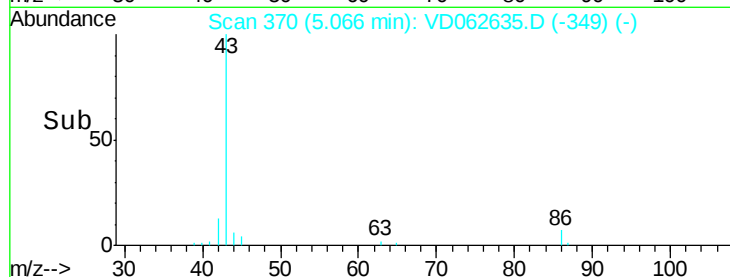
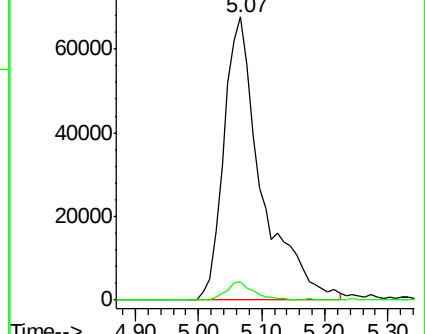
43 100

86 6.6 5.3 7.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.956 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

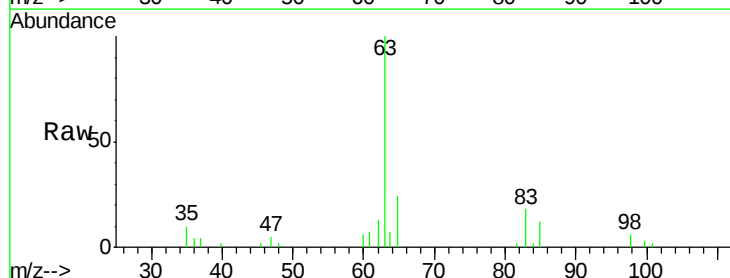
Tgt Ion: 63 Resp: 60449

Ion Ratio Lower Upper

63 100

98 5.8 1.8 5.4#

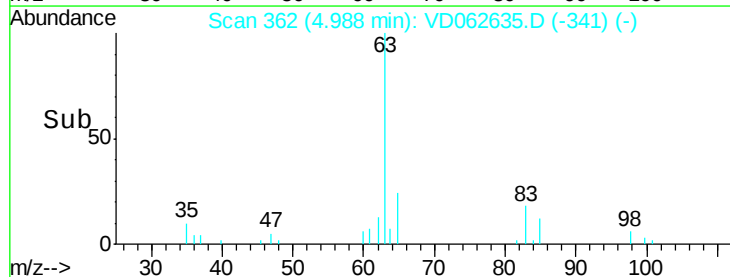
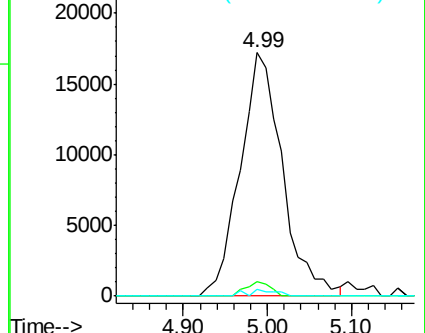
100 2.7 1.5 4.4

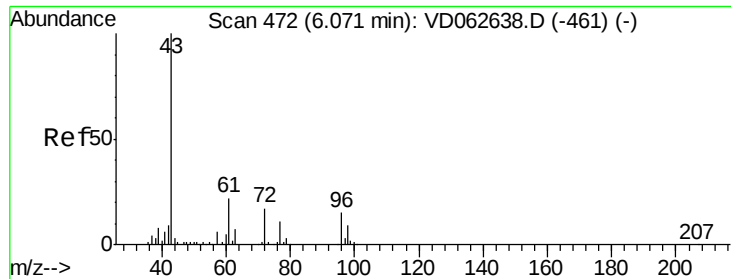


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 26.080 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

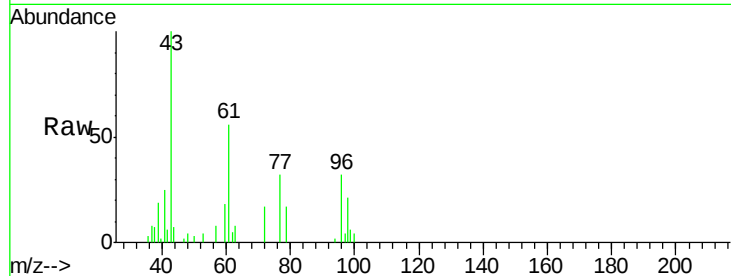
VSTDIC005

Tot Ion: 43 Resp: 45106

Ion Ratio Lower Upper

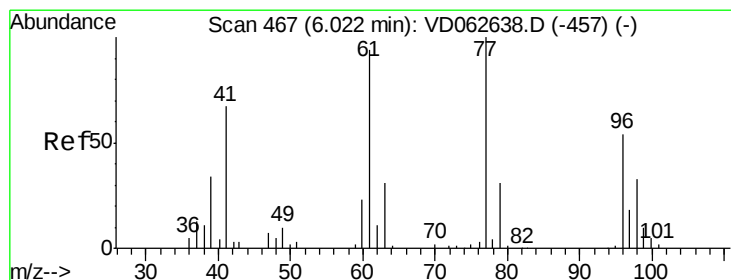
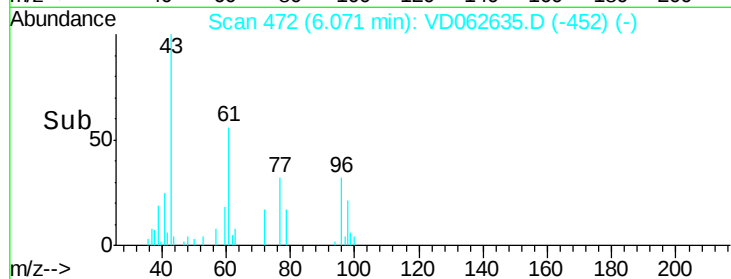
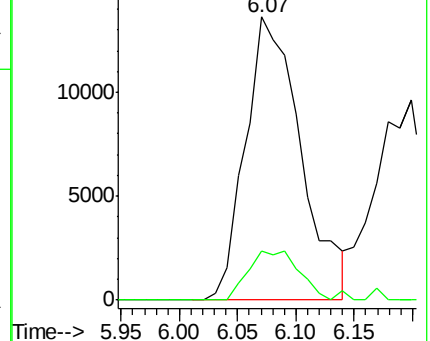
43 100

72 17.5 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: 5.150 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD062635.D

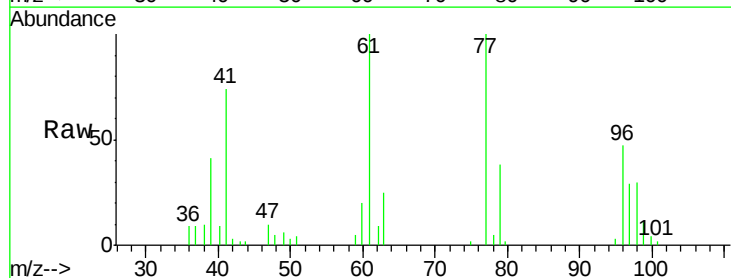
Acq: 7 Jun 2019 10:53

Tgt Ion: 77 Resp: 72673

Ion Ratio Lower Upper

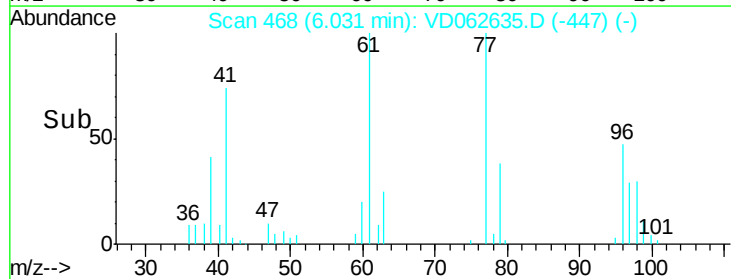
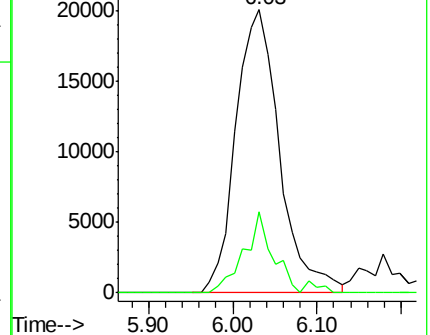
77 100

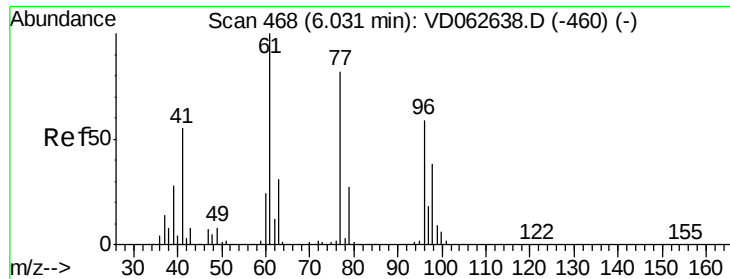
97 28.6 8.8 26.5#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

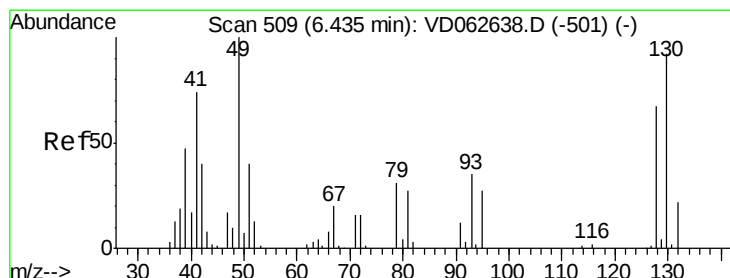
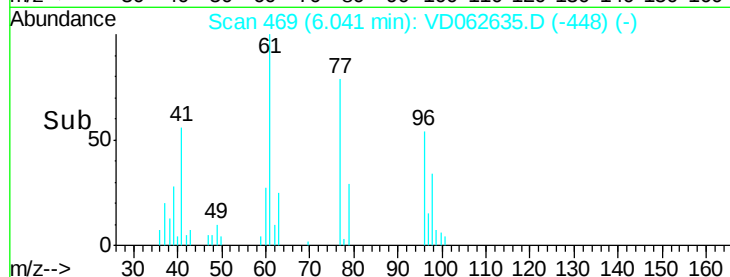
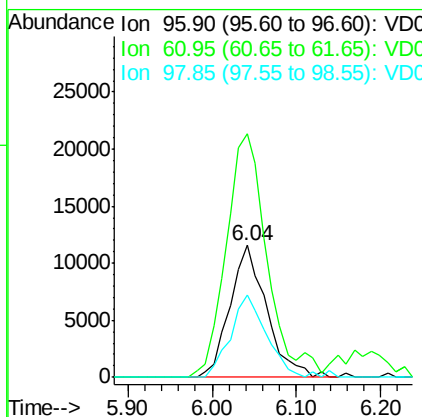
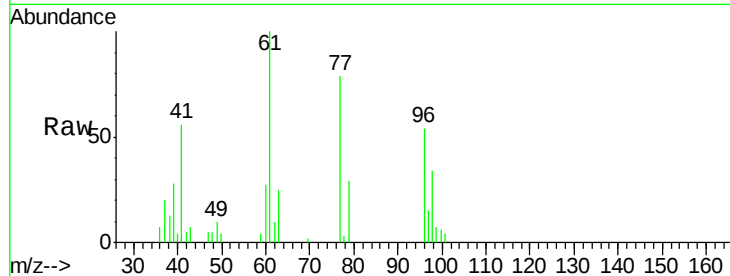




#27
 cis-1,2-Dichloroethene
 Concen: 5.008 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

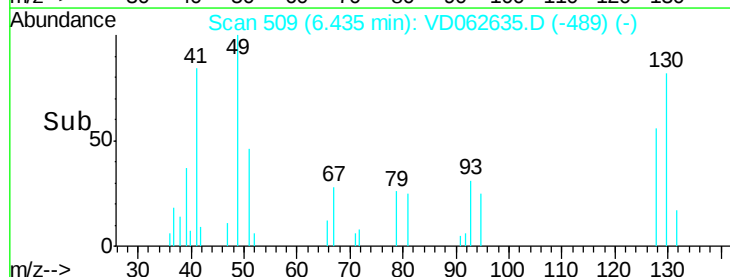
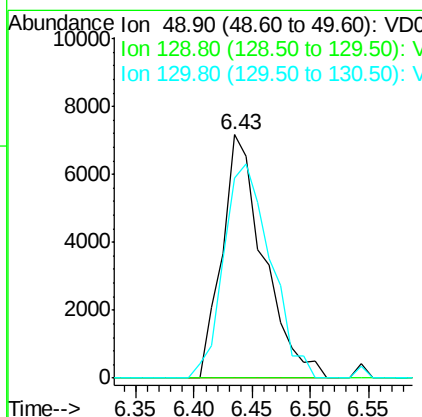
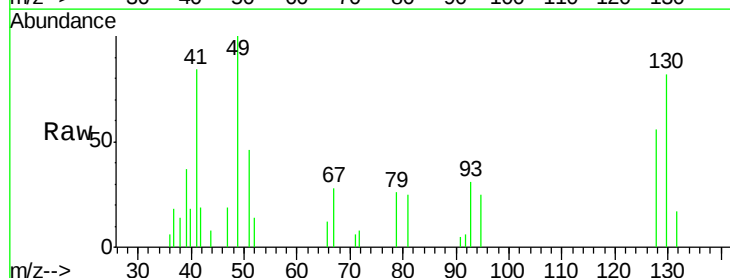
Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC005

Tot Ion: 96 Resp: 35039
 Ion Ratio Lower Upper
 96 100
 61 184.6 0.0 340.0
 98 62.1 0.0 127.6



#28
 Bromochloromethane
 Concen: 4.060 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

Tgt Ion: 49 Resp: 17733
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 8.2
 130 82.0 73.4 110.0





#29

Tetrahydrofuran

Concen: 27.704 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

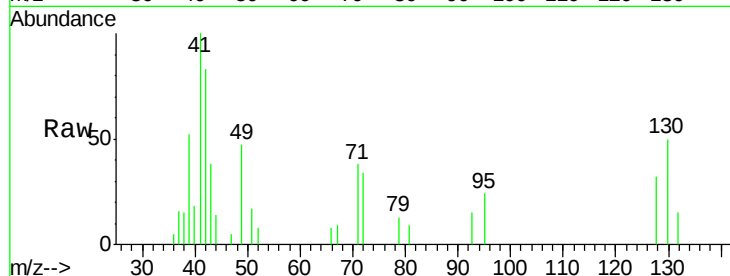
Tot Ion: 42 Resp: 21562

Ion Ratio Lower Upper

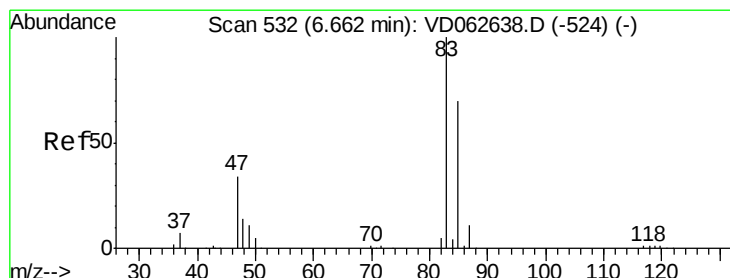
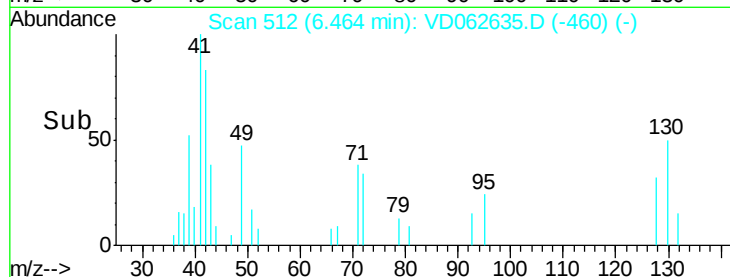
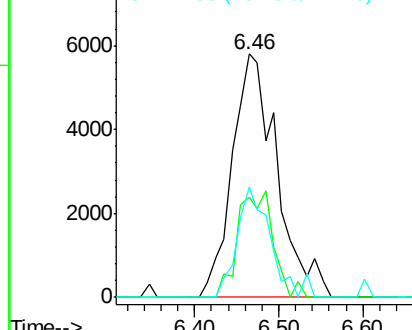
42 100

72 34.4 33.8 50.6

71 33.9 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: 5.186 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD062635.D

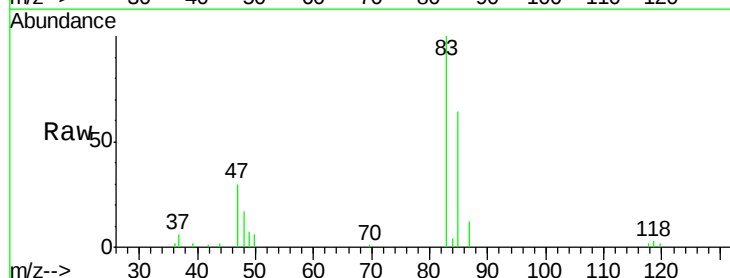
Acq: 7 Jun 2019 10:53

Tgt Ion: 83 Resp: 81416

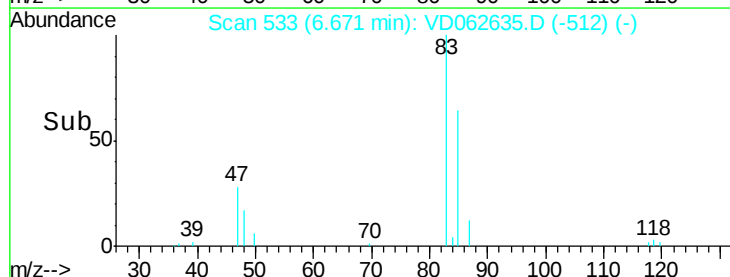
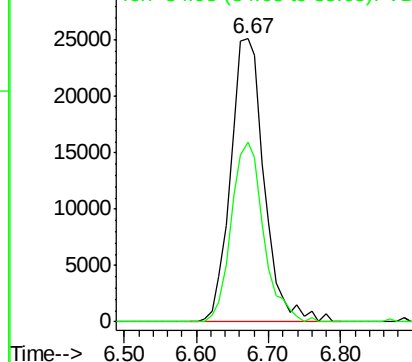
Ion Ratio Lower Upper

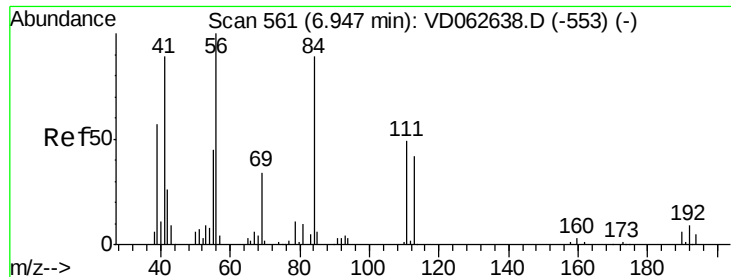
83 100

85 63.5 55.8 83.6



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

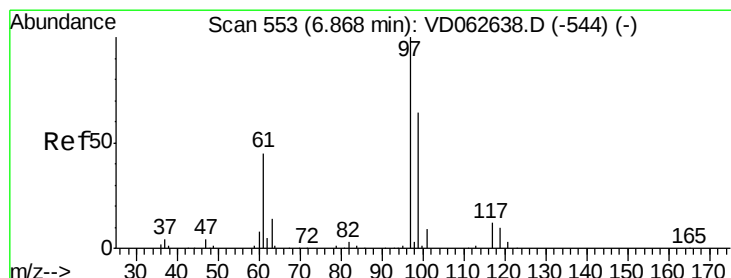
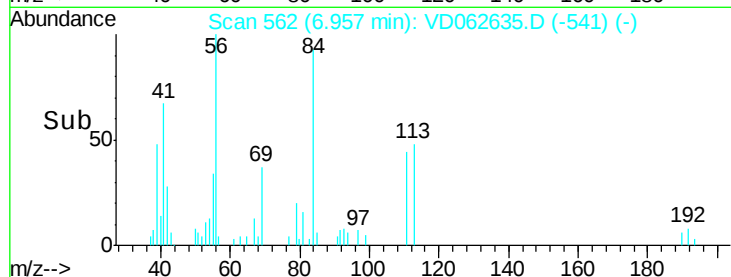
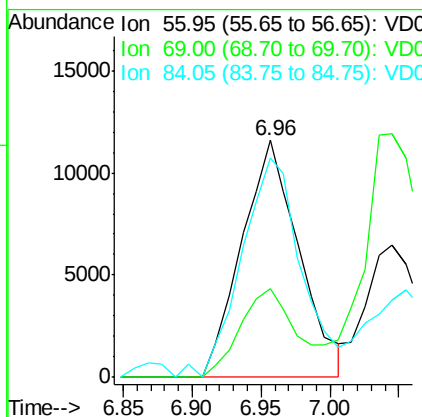
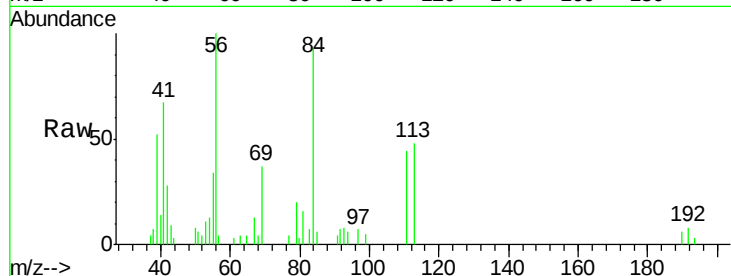




#31
Cyclohexane
Concen: 4.483 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

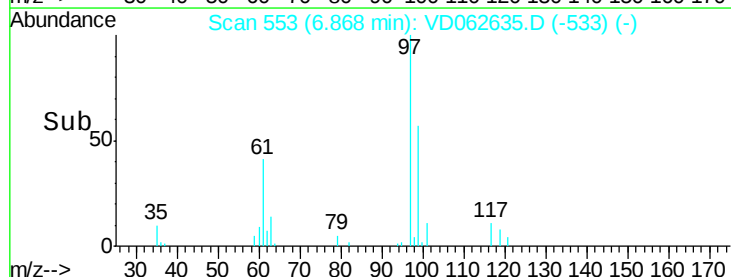
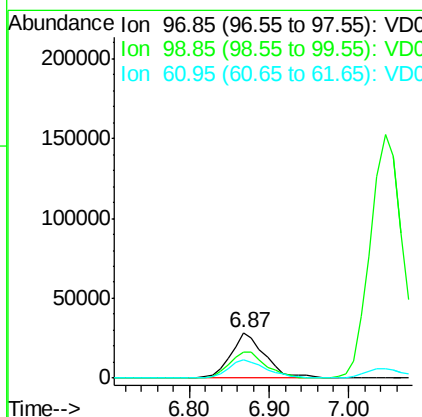
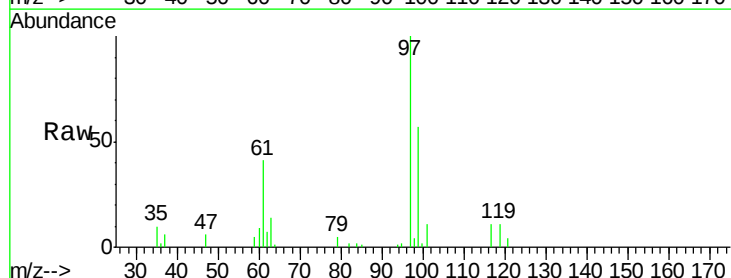
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

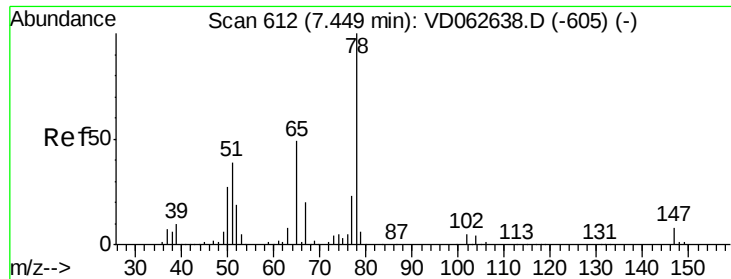
Tot Ion: 56 Resp: 33509
Ion Ratio Lower Upper
56 100
69 37.3 26.8 40.2
84 92.6 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 5.243 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion: 97 Resp: 83251
Ion Ratio Lower Upper
97 100
99 57.3 51.4 77.0
61 41.1 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 5.150 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

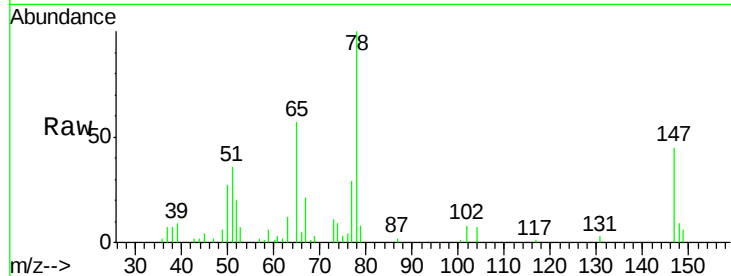
VSTDIC005

Tot Ion: 65 Resp: 49180

Ion Ratio Lower Upper

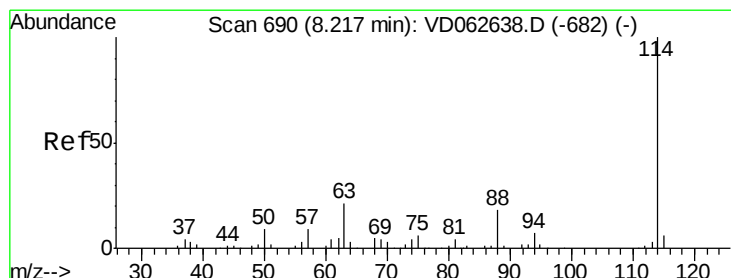
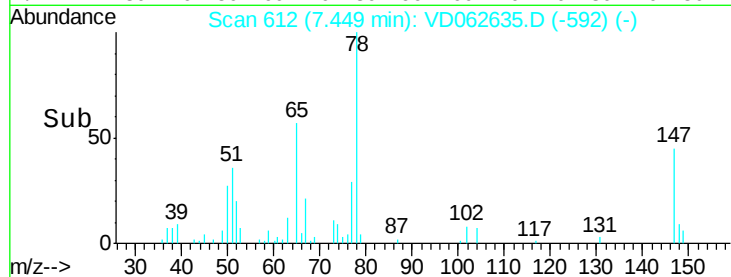
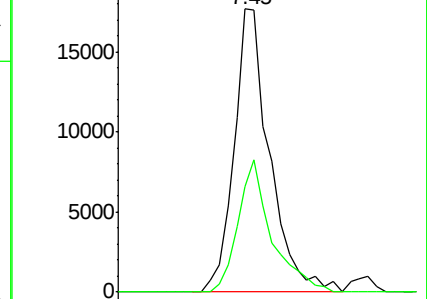
65 100

67 37.3 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

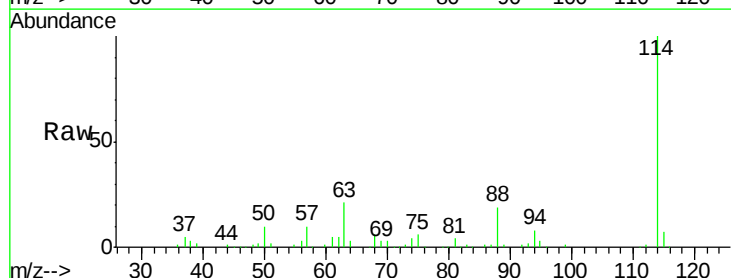
Tgt Ion: 114 Resp: 824662

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

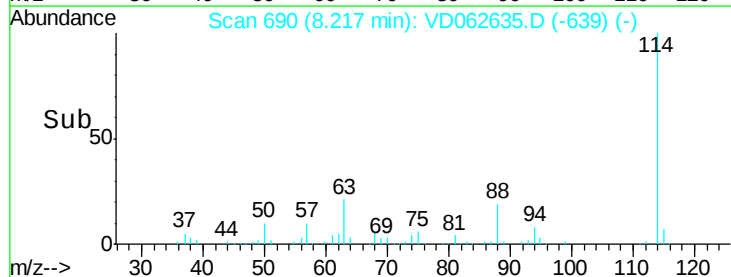
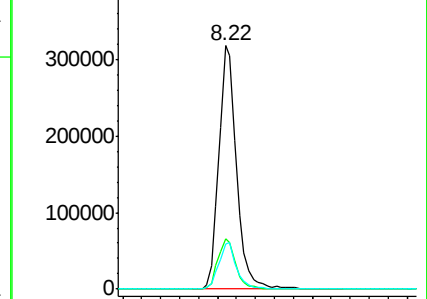
88 18.8 0.0 36.8

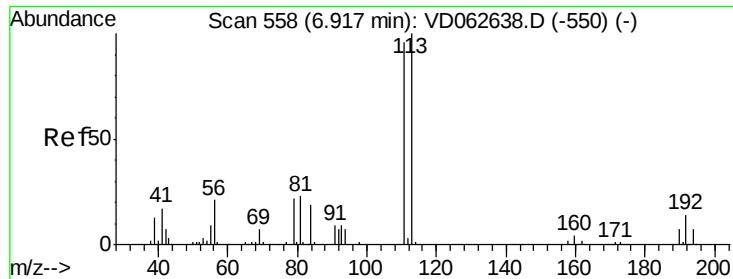


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

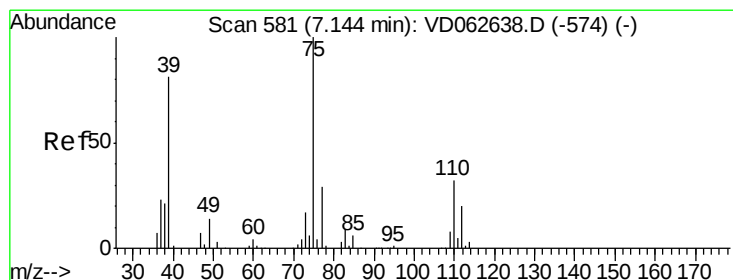
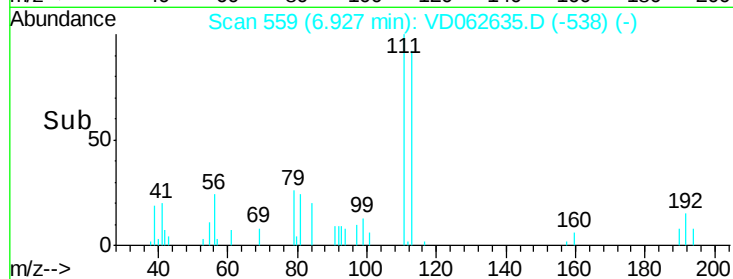
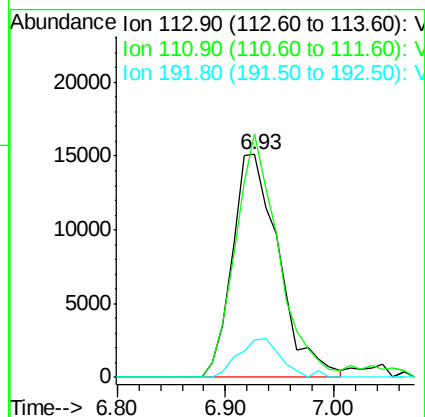
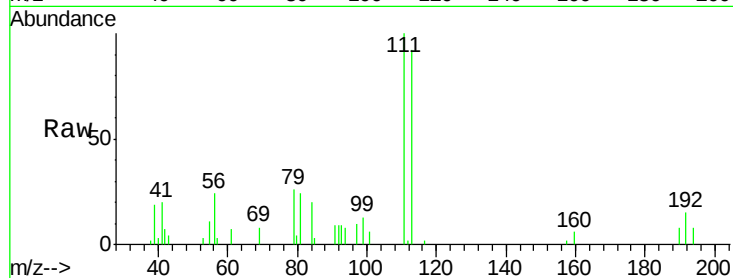




#35
 Dibromofluoromethane
 Concen: 5.208 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

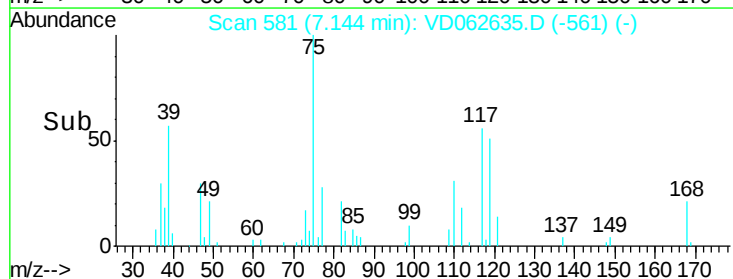
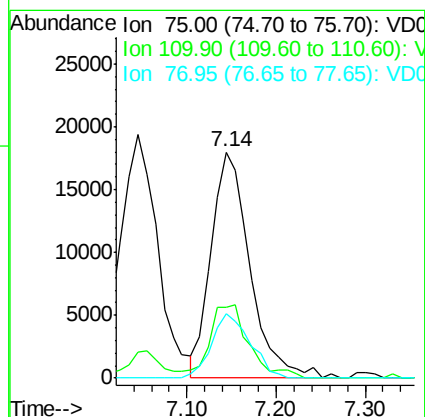
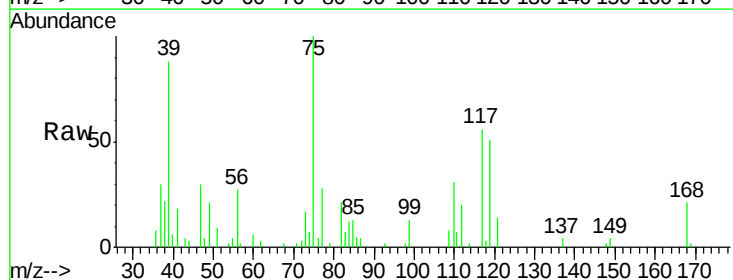
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

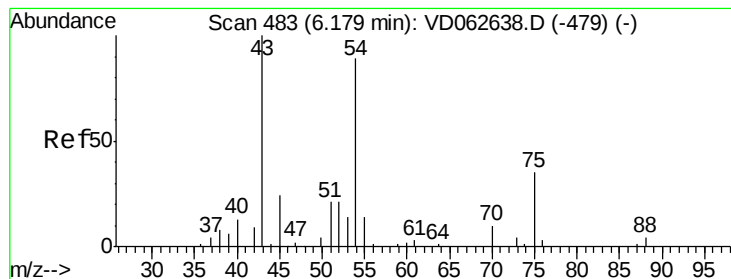
Tot Ion:113 Resp: 45306
 Ion Ratio Lower Upper
 113 100
 111 109.2 76.4 114.6
 192 16.9 11.4 17.0



#36
 1,1-Dichloropropene
 Concen: 5.552 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

Tgt Ion: 75 Resp: 54527
 Ion Ratio Lower Upper
 75 100
 110 31.3 15.9 47.7
 77 28.4 23.3 34.9





#37

Ethyl Acetate

Concen: 7.373 ug/l

RT: 6.20 min Scan# 485

Delta R.T. 0.02 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

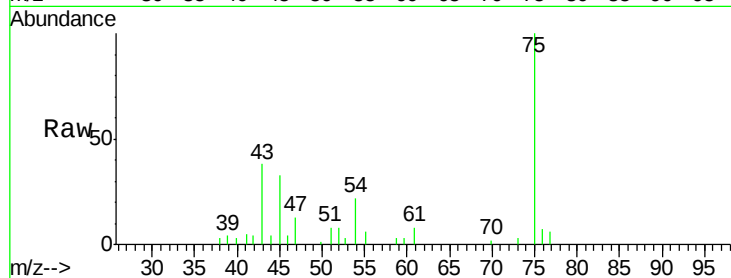
Tot Ion: 43 Resp: 31570

Ion Ratio Lower Upper

43 100

61 20.6 8.7 13.1#

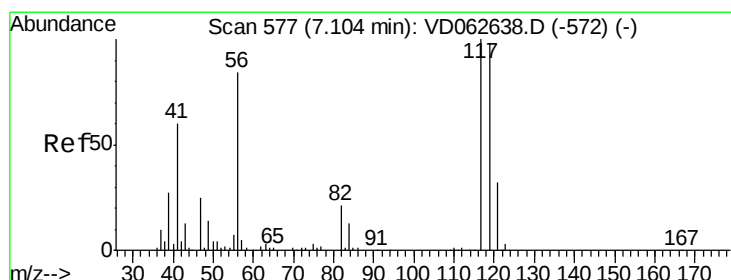
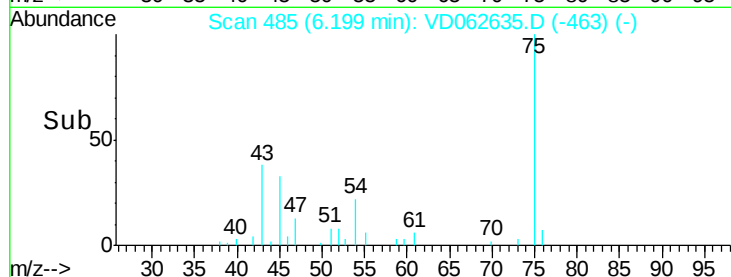
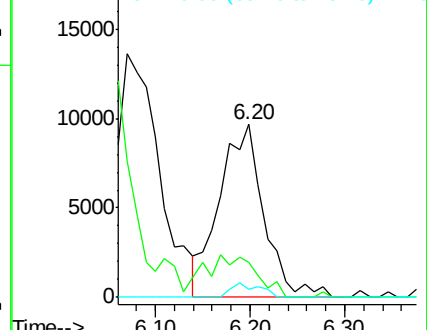
70 4.5 6.5 9.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.999 ug/l

RT: 7.11 min Scan# 578

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

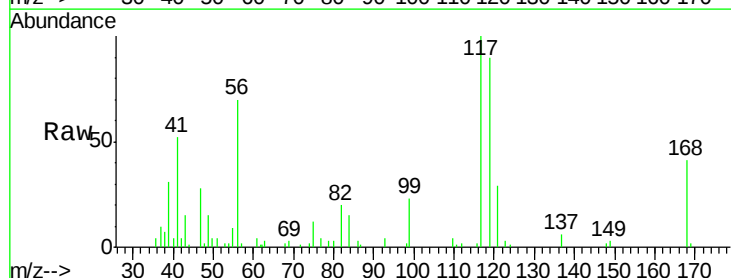
Tgt Ion: 117 Resp: 77498

Ion Ratio Lower Upper

117 100

119 89.6 73.5 110.3

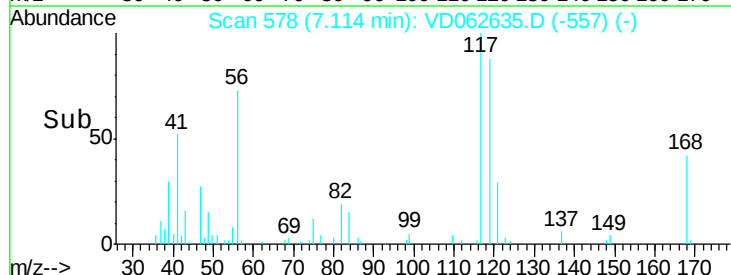
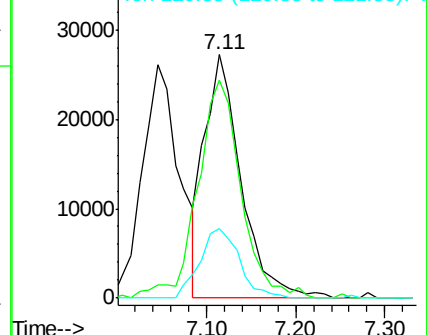
121 28.5 24.2 36.4

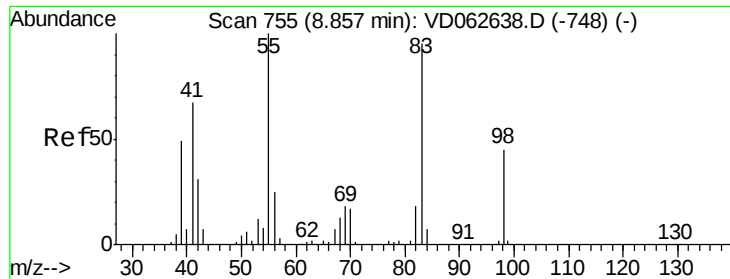


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

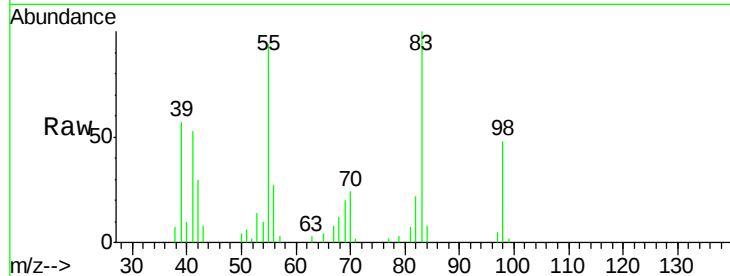




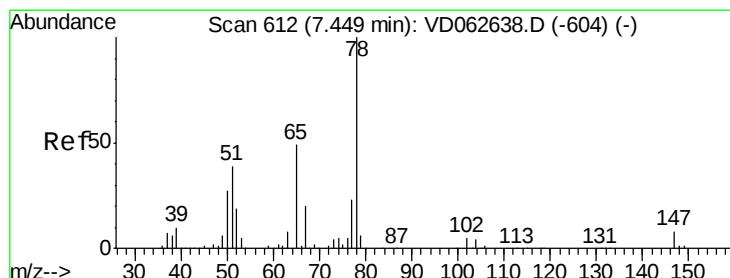
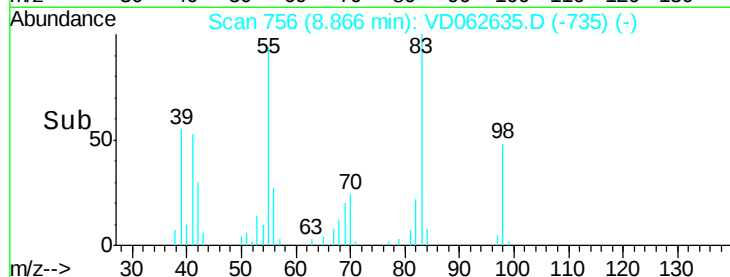
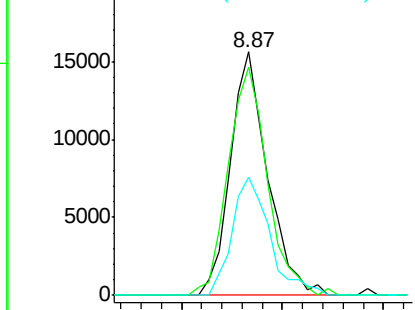
#39
Methvlcvclohexane
Concen: 5.108 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 39922
Ion Ratio Lower Upper
83 100
55 94.0 84.6 127.0
98 48.4 38.2 57.4

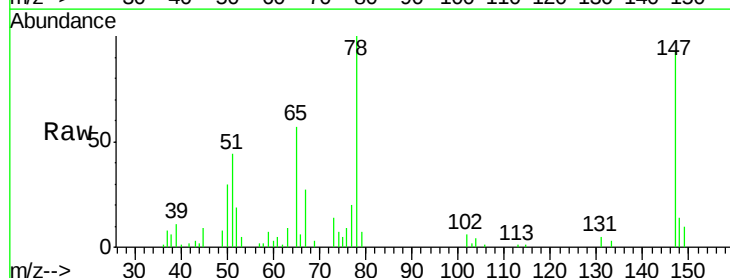


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

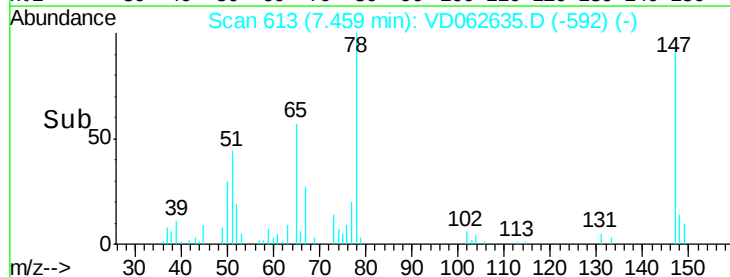
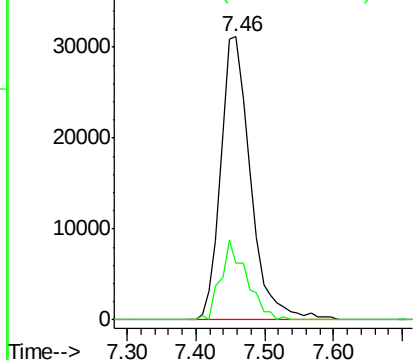


#40
Benzene
Concen: 5.009 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion: 78 Resp: 93721
Ion Ratio Lower Upper
78 100
77 20.0 18.6 28.0



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

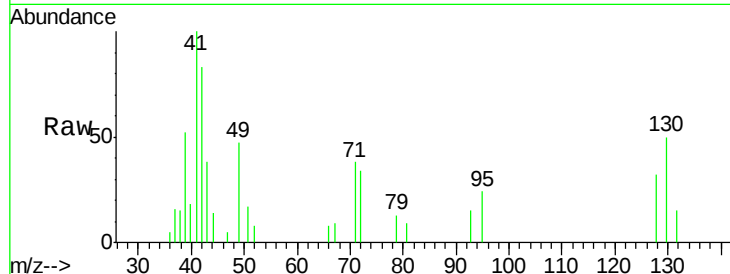




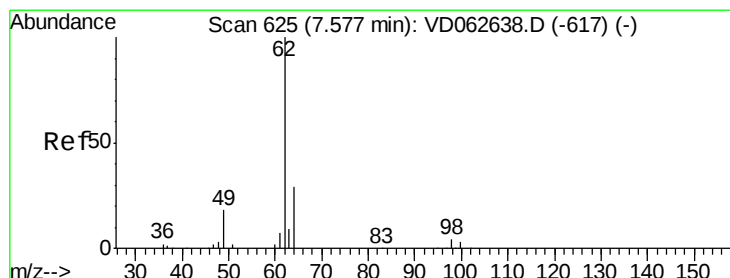
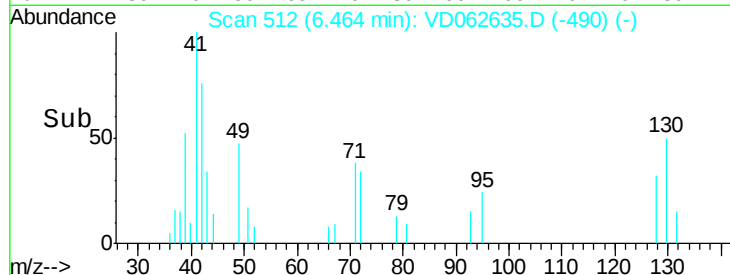
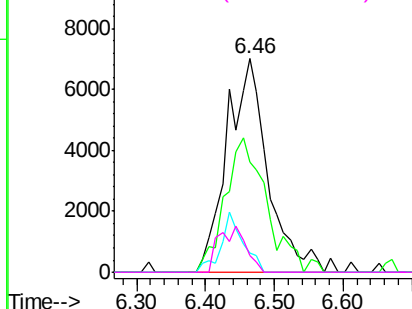
#41
Methacrylonitrile
Concen: 5.671 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 41 Resp: 29102
Ion Ratio Lower Upper
41 100
39 51.5 49.2 73.8
67 9.1 13.9 20.9#
52 7.8 7.6 11.4

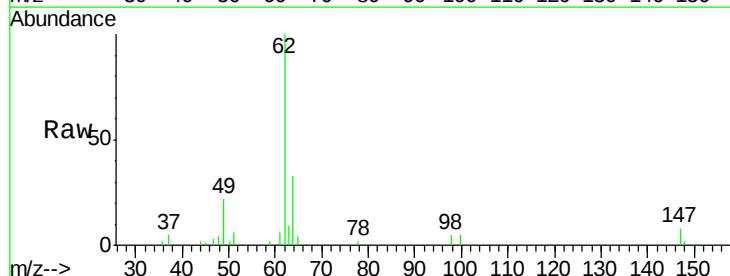


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

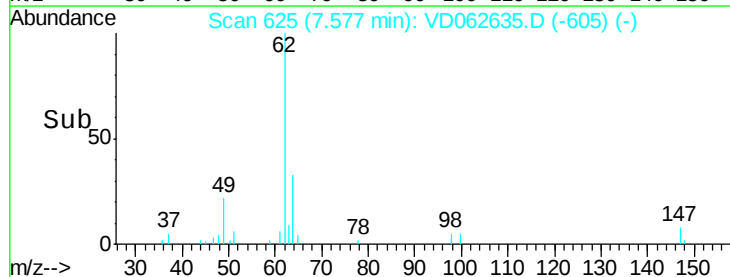
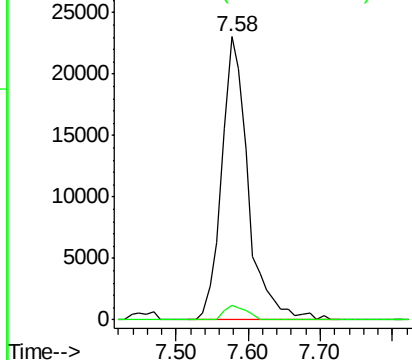


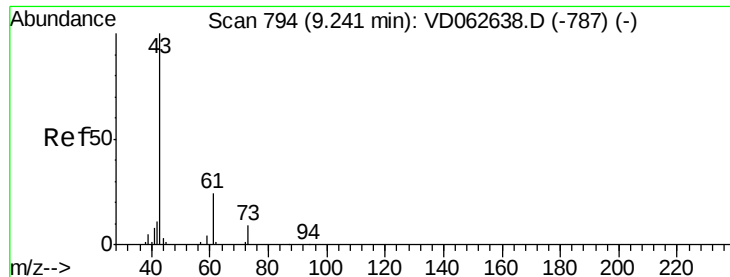
#42
1,2-Dichloroethane
Concen: 5.225 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion: 62 Resp: 58627
Ion Ratio Lower Upper
62 100
98 5.4 0.0 7.4



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



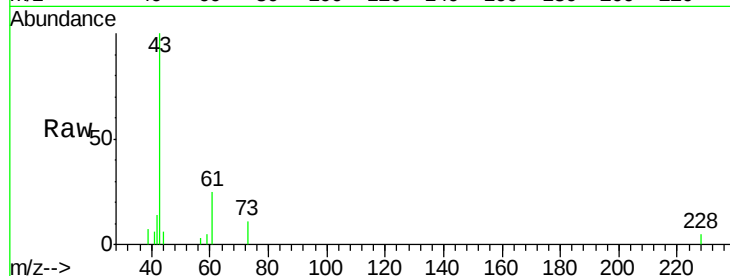


#43

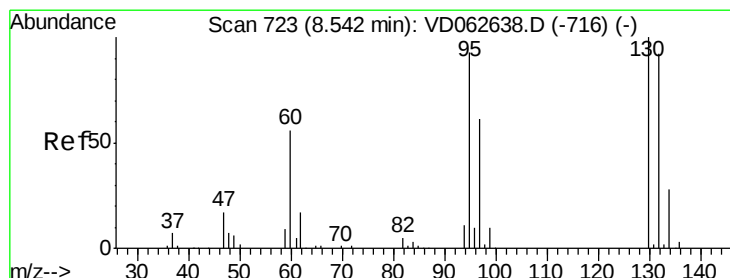
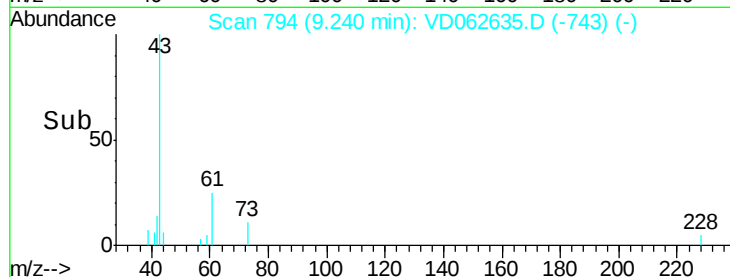
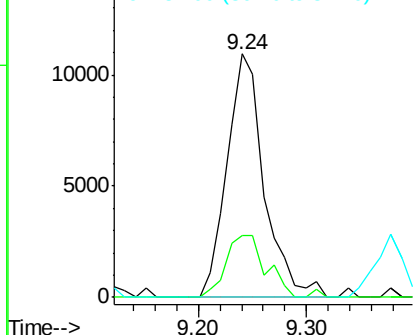
Isopropyl Acetate
 Concen: 5.193 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 43 Resp: 26107
 Ion Ratio Lower Upper
 43 100
 61 25.5 19.0 28.6
 87 0.0 0.3 0.5#



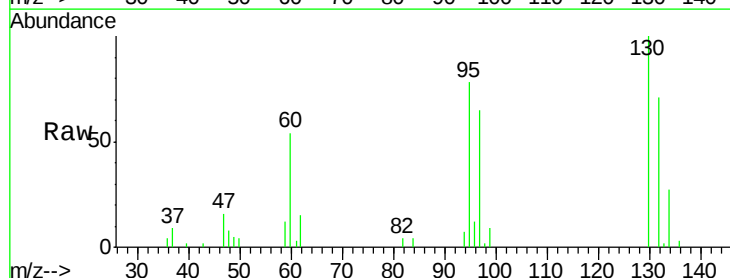
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



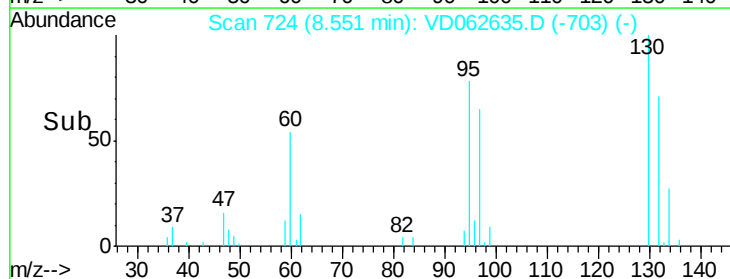
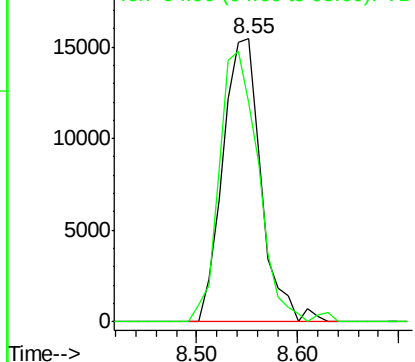
#44

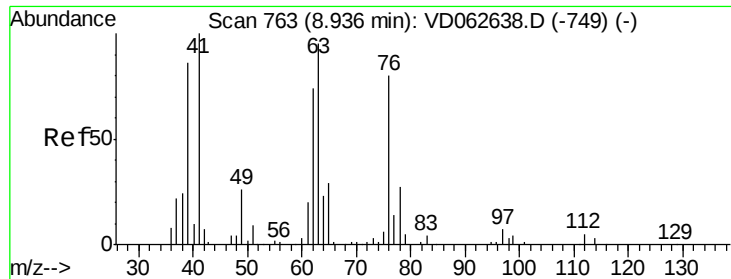
Trichloroethene
 Concen: 5.259 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

Tgt Ion: 130 Resp: 40616
 Ion Ratio Lower Upper
 130 100
 95 77.6 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: 4.820 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

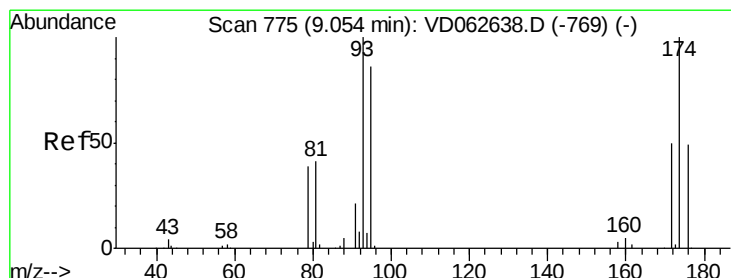
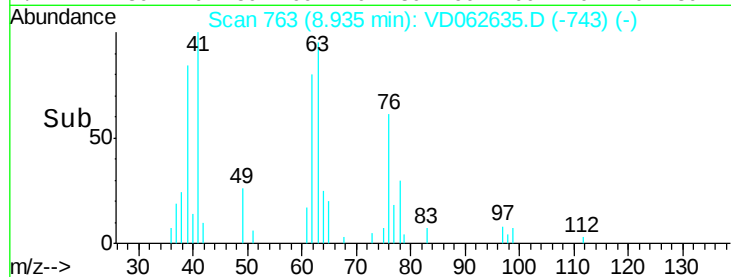
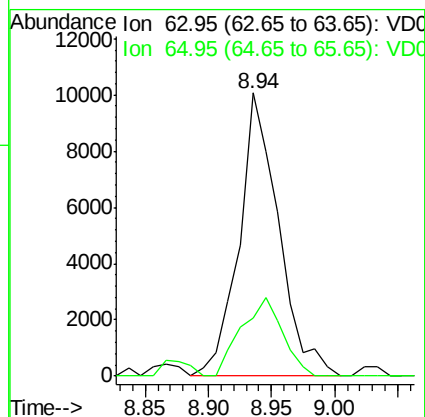
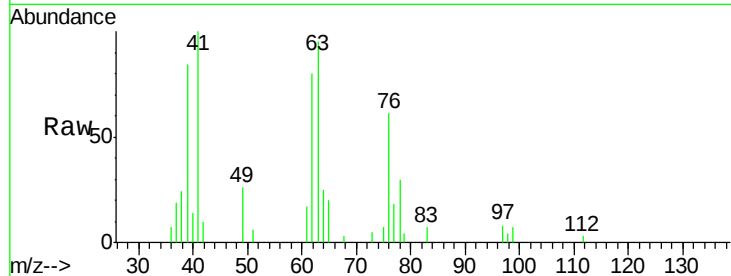
VSTDIC005

Tot Ion: 63 Resp: 21877

Ion Ratio Lower Upper

63 100

65 20.7 24.6 37.0#



#46

Dibromomethane

Concen: 5.407 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

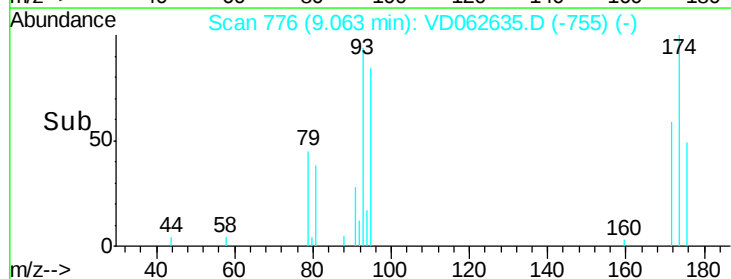
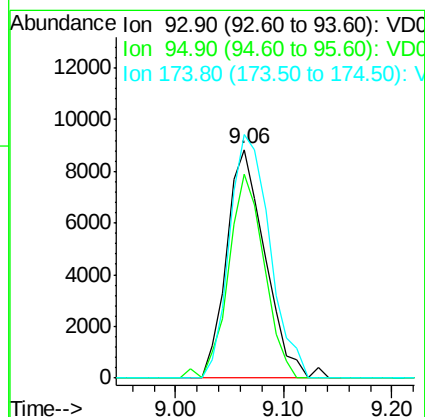
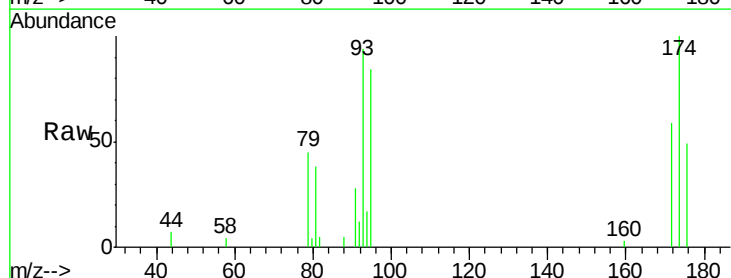
Tgt Ion: 93 Resp: 21978

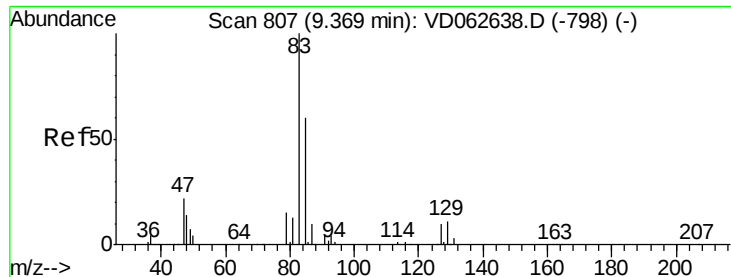
Ion Ratio Lower Upper

93 100

95 88.9 68.7 103.1

174 106.4 79.8 119.8





#47

Bromodichloromethane

Concen: 5.200 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

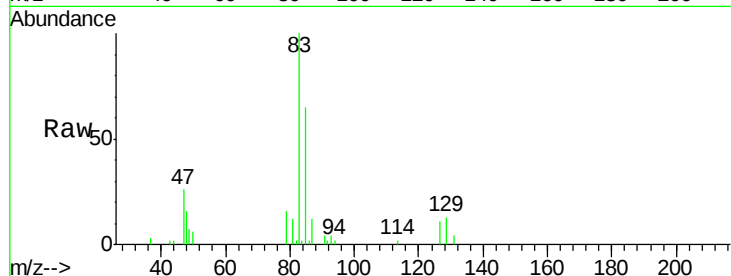
Tot Ion: 83 Resp: 57383

Ion Ratio Lower Upper

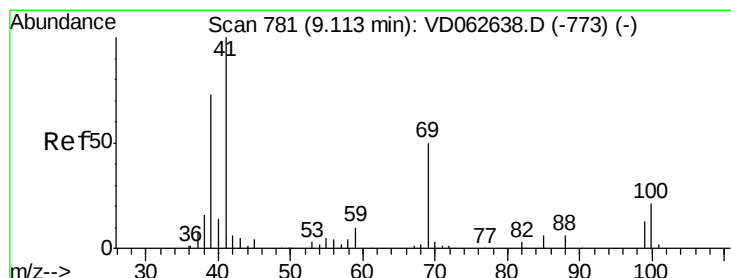
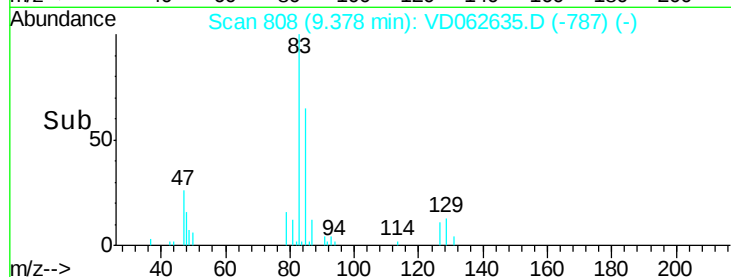
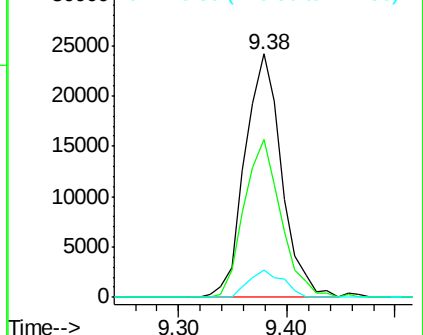
83 100

85 64.7 47.9 71.9

127 11.4 8.2 12.4



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



#48

Methyl methacrylate

Concen: 5.525 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

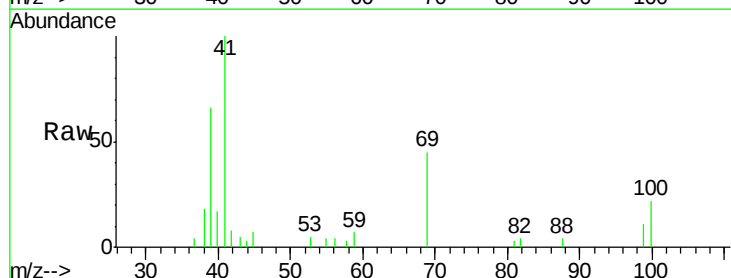
Tgt Ion: 41 Resp: 20678

Ion Ratio Lower Upper

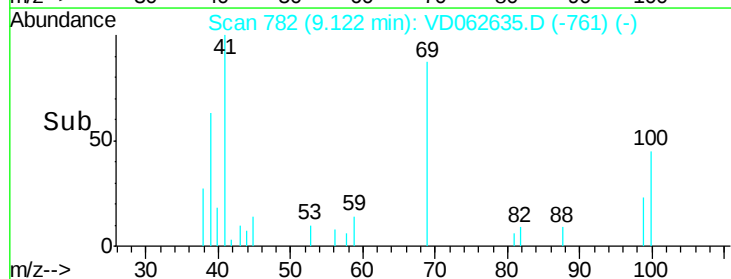
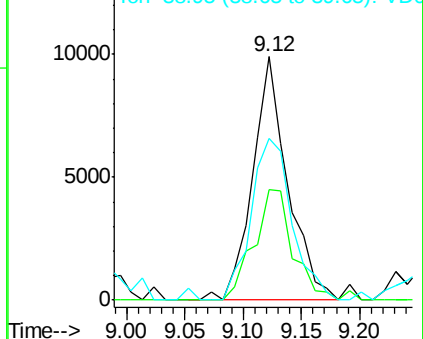
41 100

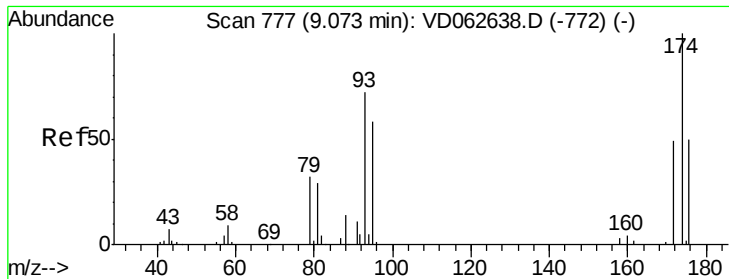
69 45.2 39.8 59.6

39 66.4 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: 97.135 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.02 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

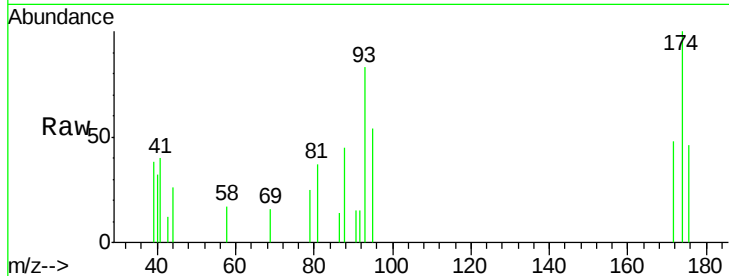
Tot Ion: 88 Resp: 2872

Ion Ratio Lower Upper

88 100

43 27.8 40.7 61.1#

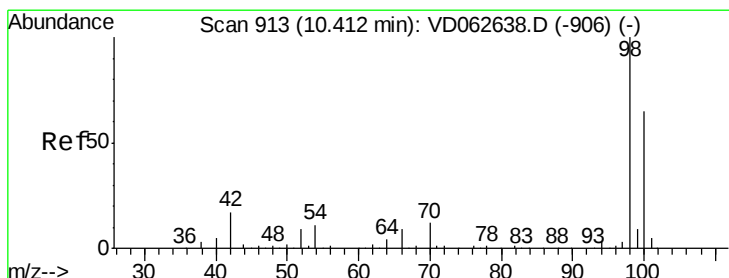
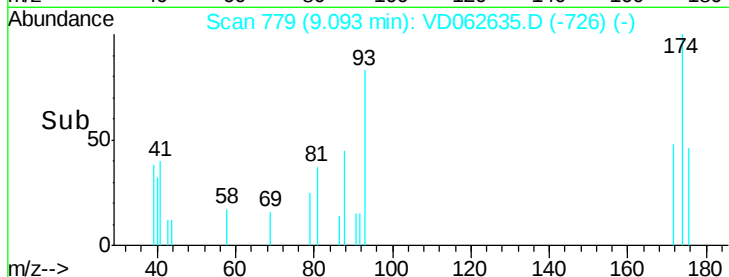
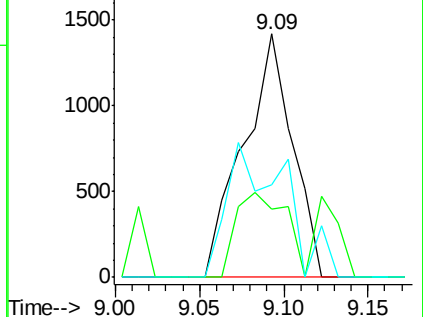
58 37.9 54.2 81.4#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 4.992 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062635.D

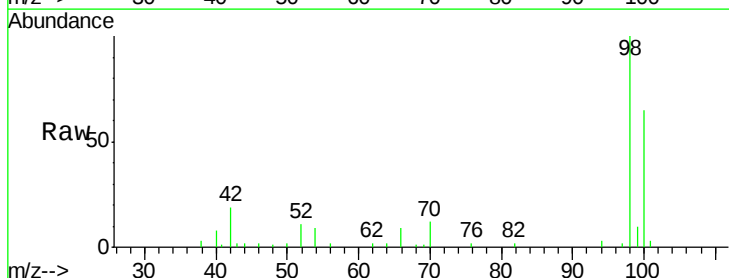
Acq: 7 Jun 2019 10:53

Tgt Ion: 98 Resp: 92474

Ion Ratio Lower Upper

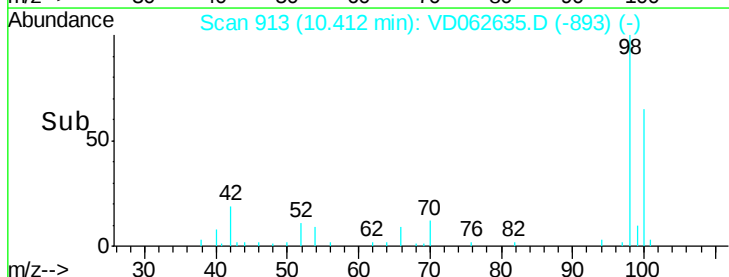
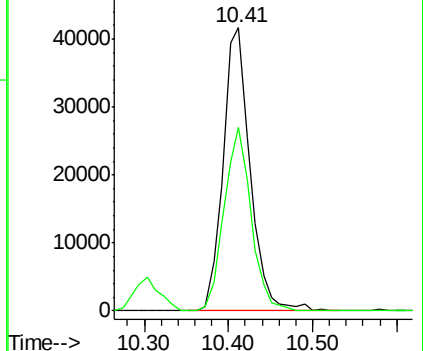
98 100

100 64.7 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

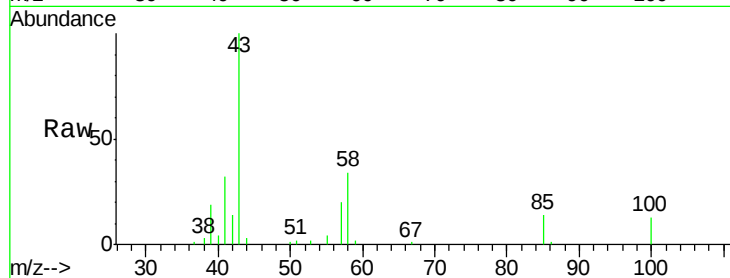




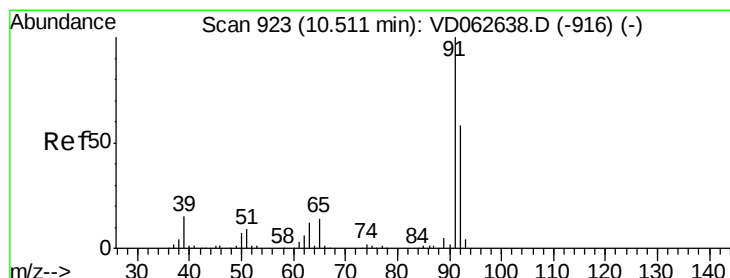
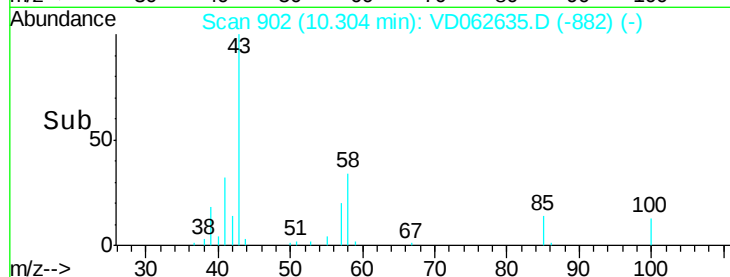
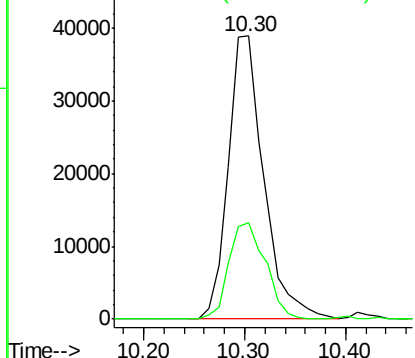
#51
4-Methyl-2-Pentanone
Concen: 26.724 ug/l
RT: 10.30 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 95404
Ion Ratio Lower Upper
43 100
58 33.9 26.1 39.1

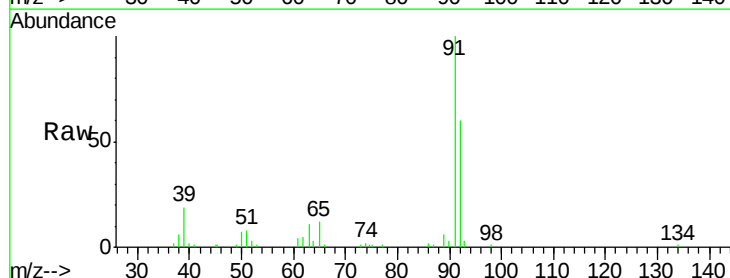


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

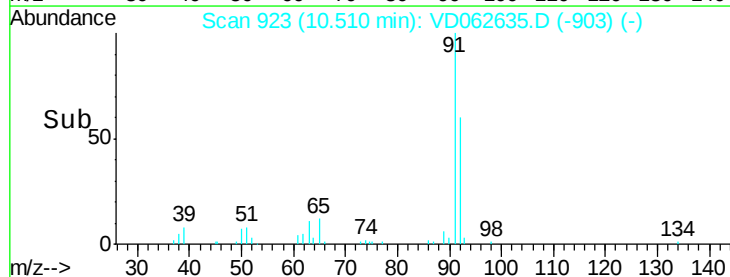
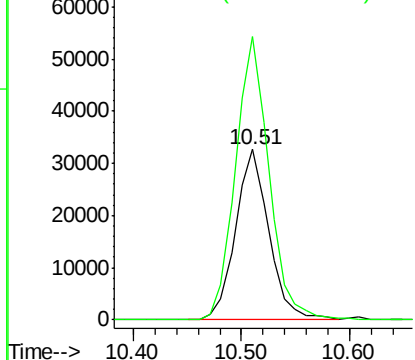


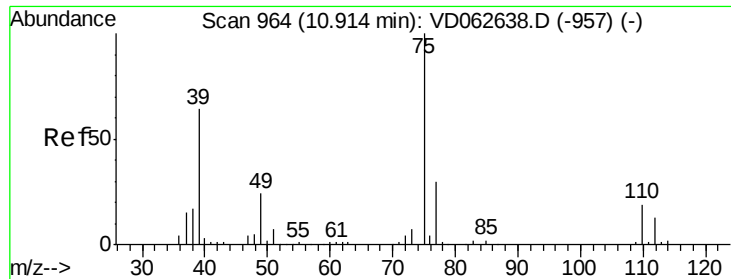
#52
Toluene
Concen: 5.464 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion: 92 Resp: 69948
Ion Ratio Lower Upper
92 100
91 166.0 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

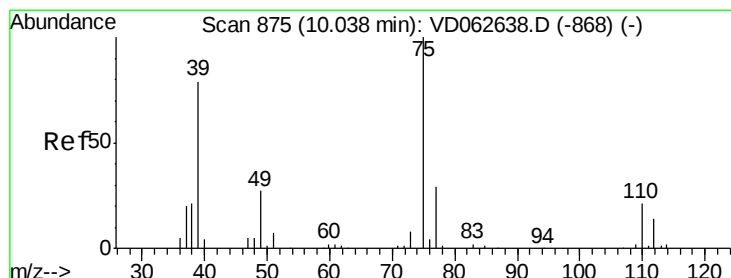
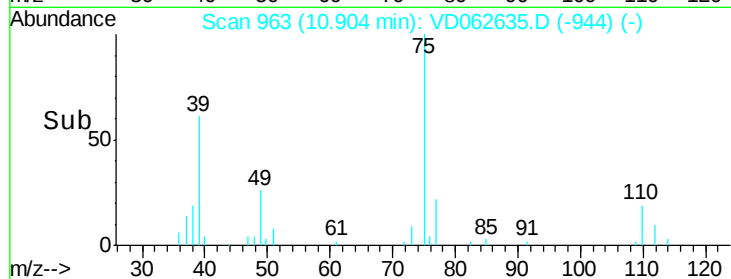
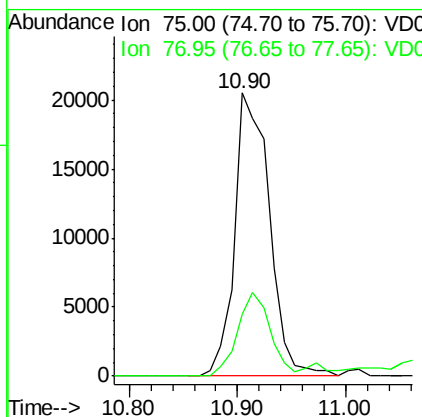
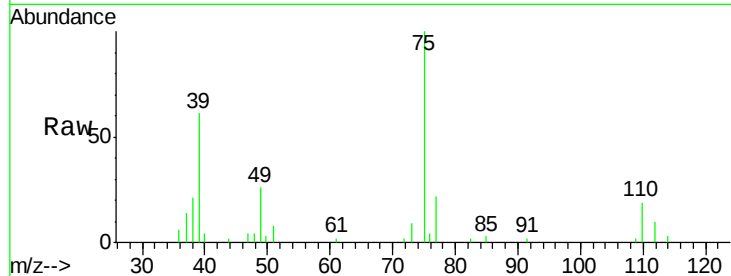




#53
 t-1,3-Dichloropropene
 Concen: 5.048 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

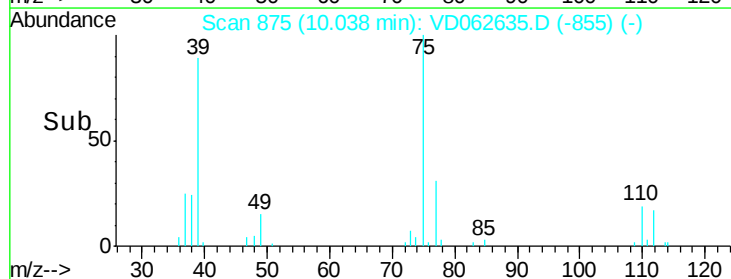
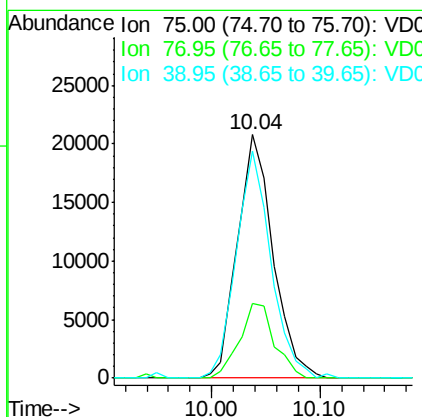
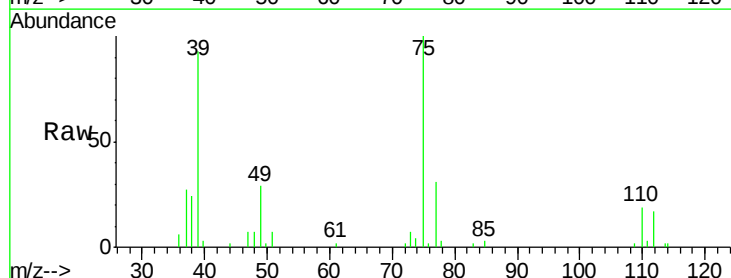
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

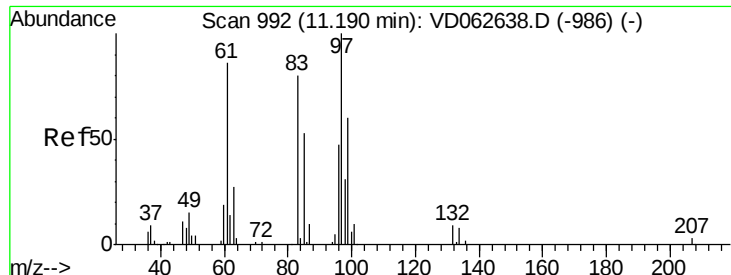
Tot Ion: 75 Resp: 45855
 Ion Ratio Lower Upper
 75 100
 77 22.0 24.1 36.1#



#54
 cis-1,3-Dichloropropene
 Concen: 5.054 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

Tgt Ion: 75 Resp: 47508
 Ion Ratio Lower Upper
 75 100
 77 30.8 23.1 34.7
 39 93.2 63.4 95.2

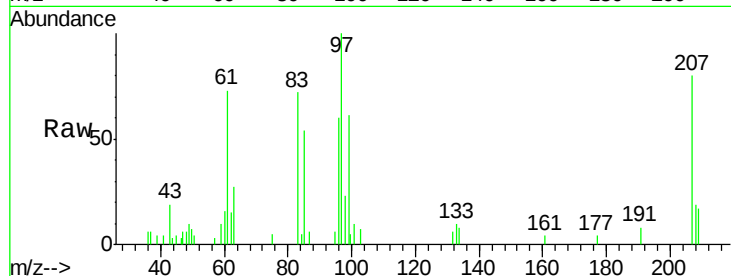




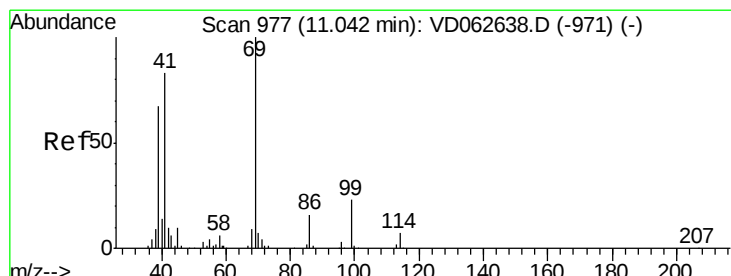
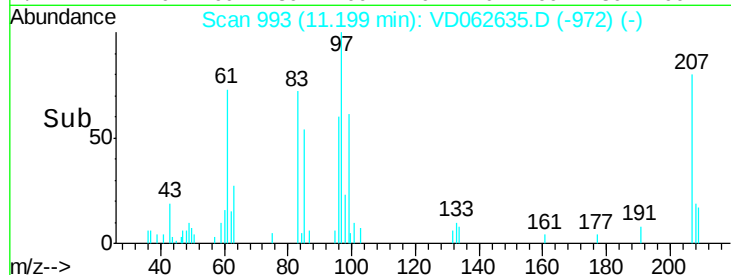
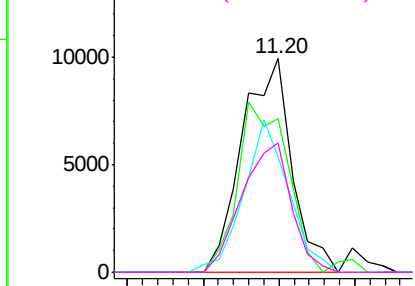
#55
 1,1,2-Trichloroethane
 Concen: 5.296 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	22653
Ion	Ratio	Lower	Upper
97	100		
83	71.7	63.8	95.8
85	54.0	42.3	63.5
99	60.6	48.0	72.0

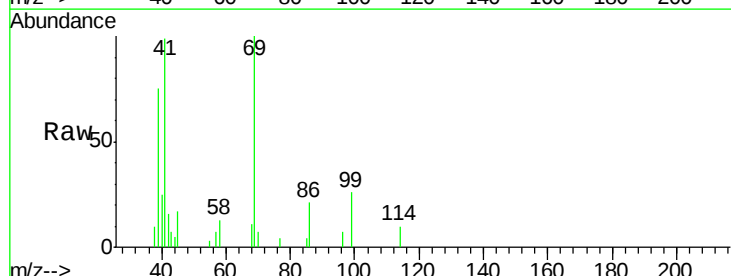


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

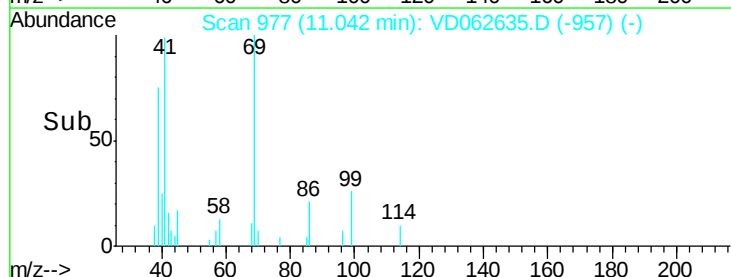
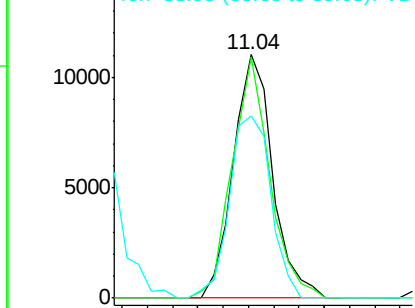


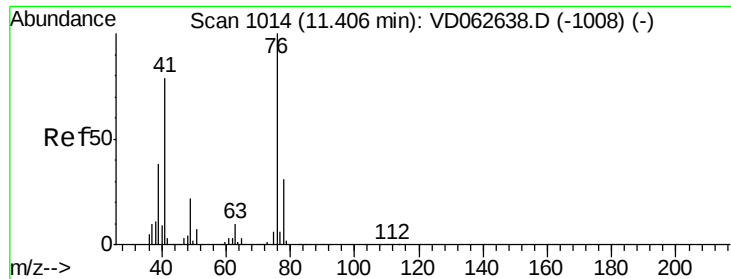
#56
 Ethyl methacrylate
 Concen: 5.100 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

Tgt Ion:	69	Resp:	23846
Ion	Ratio	Lower	Upper
69	100		
41	98.8	66.2	99.4
39	74.9	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: 5.154 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

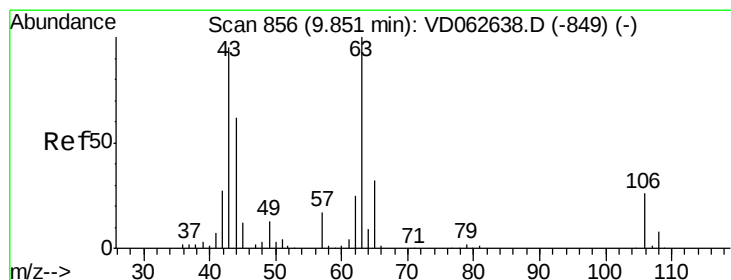
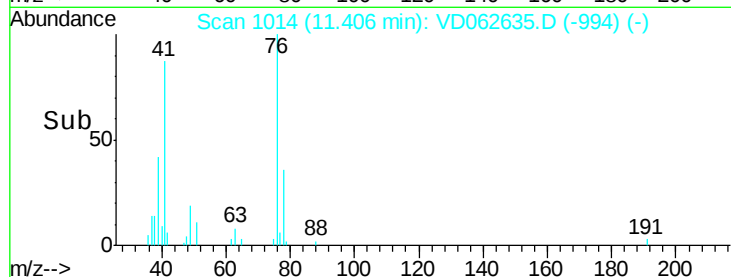
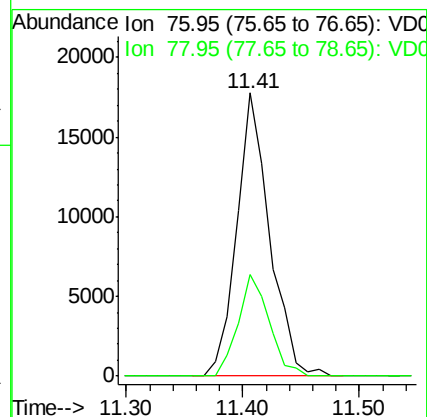
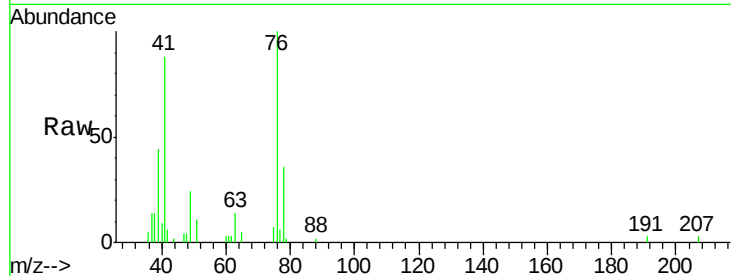
VSTDIC005

Tot Ion: 76 Resp: 34672

Ion Ratio Lower Upper

76 100

78 36.1 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 33.570 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD062635.D

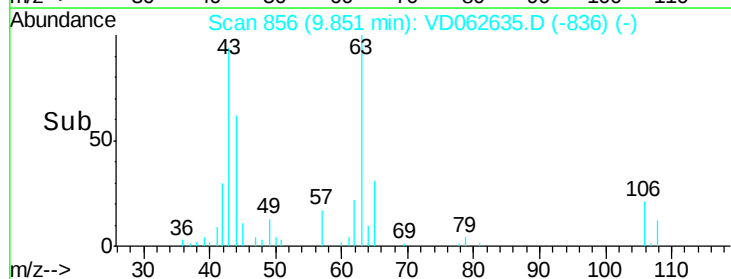
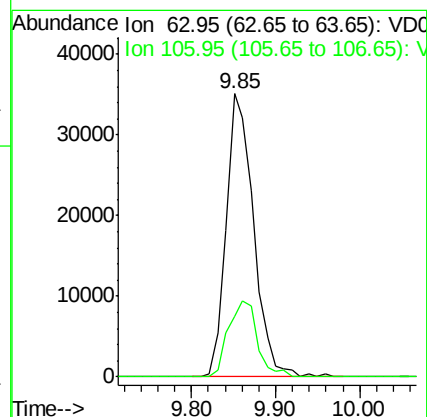
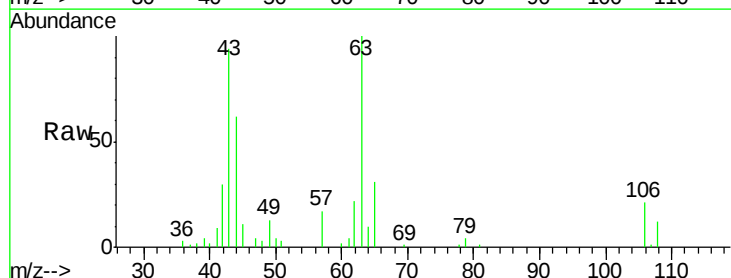
Acq: 7 Jun 2019 10:53

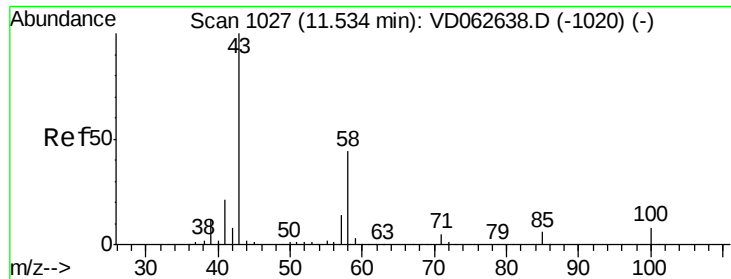
Tgt Ion: 63 Resp: 78889

Ion Ratio Lower Upper

63 100

106 21.2 20.5 30.7

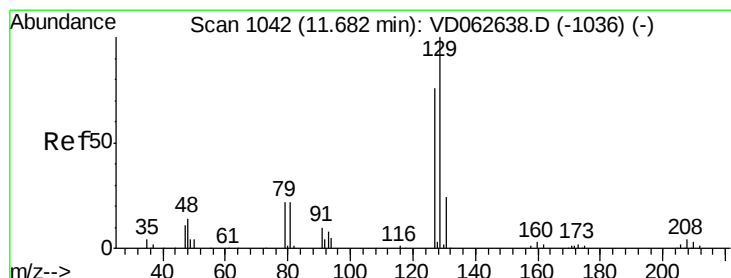
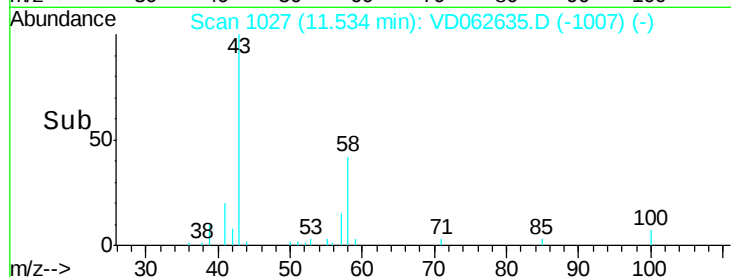
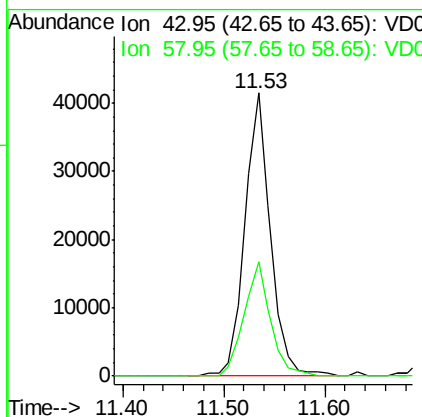
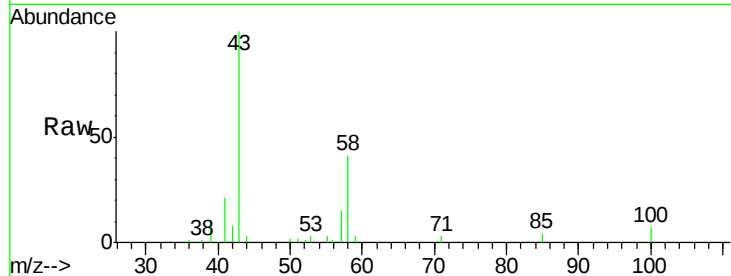




#59
2-Hexanone
Concen: 27.272 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

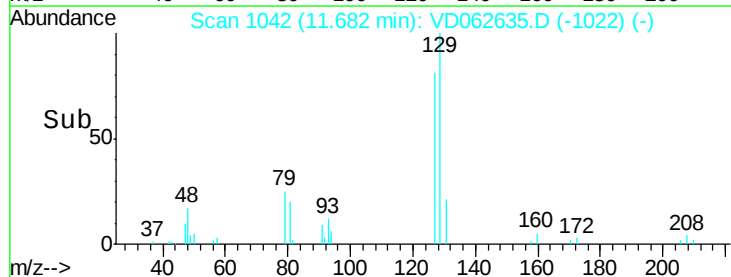
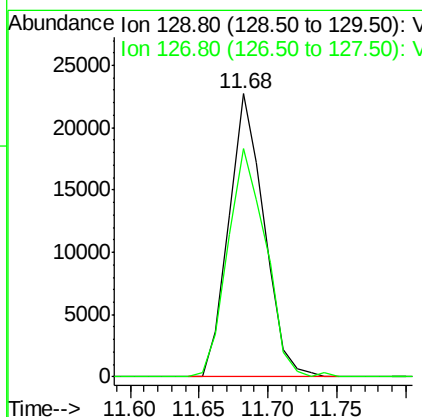
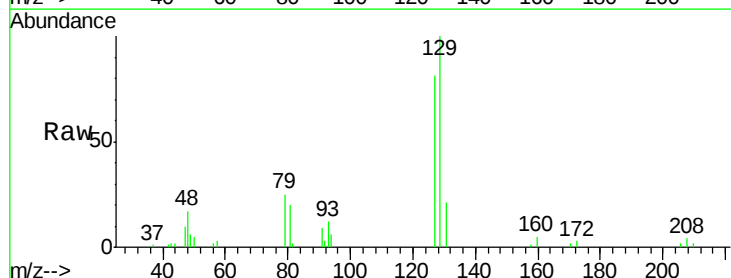
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

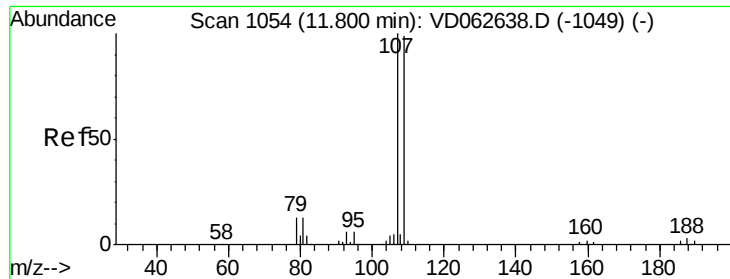
Tot Ion: 43 Resp: 73286
Ion Ratio Lower Upper
43 100
58 40.6 21.8 65.4



#60
Dibromochloromethane
Concen: 4.747 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion: 129 Resp: 40330
Ion Ratio Lower Upper
129 100
127 80.6 38.0 114.1

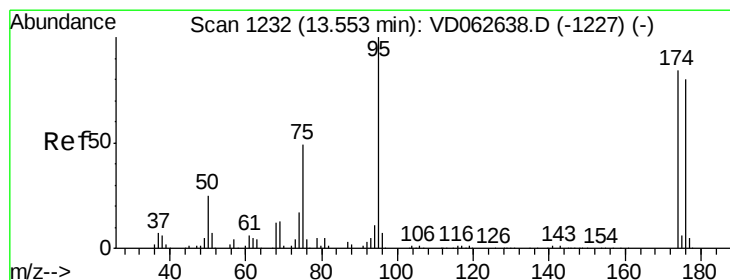
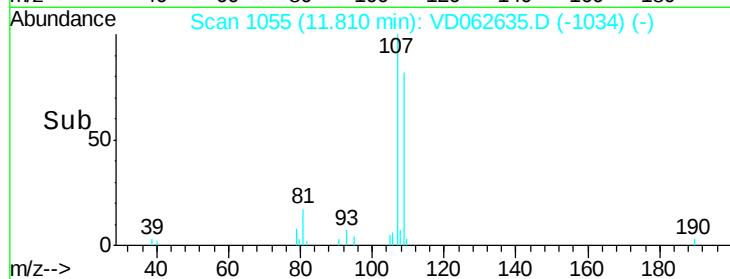
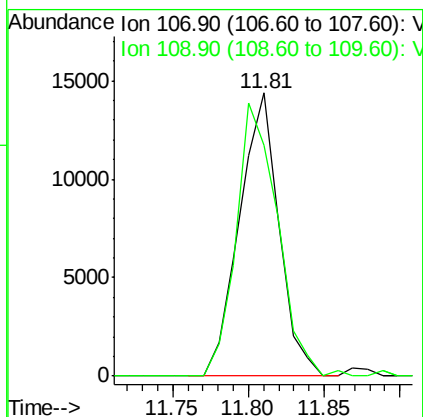
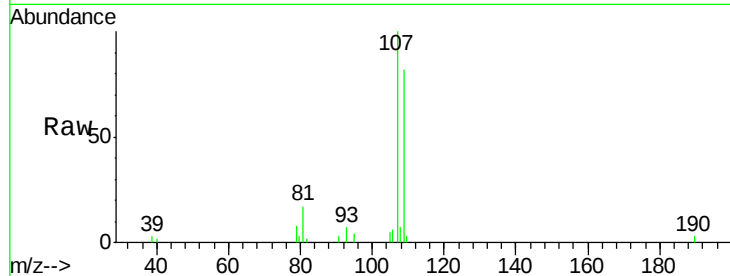




#61
 1,2-Dibromoethane
 Concen: 5.035 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

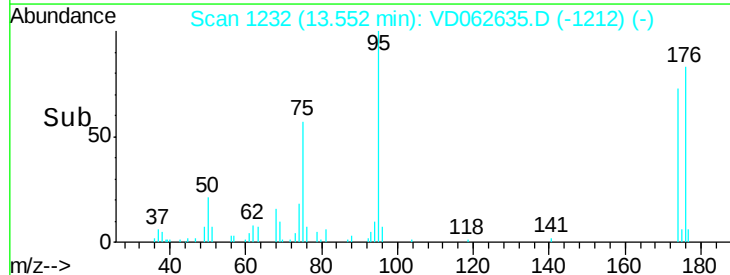
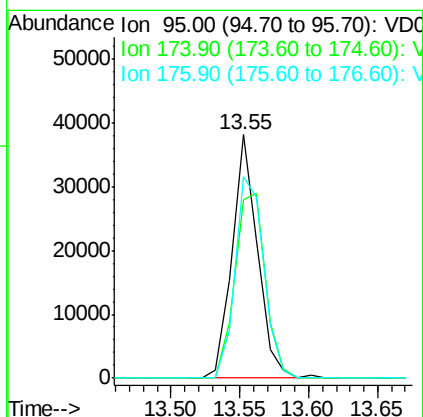
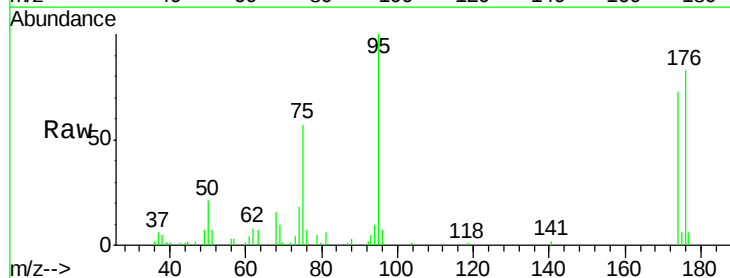
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

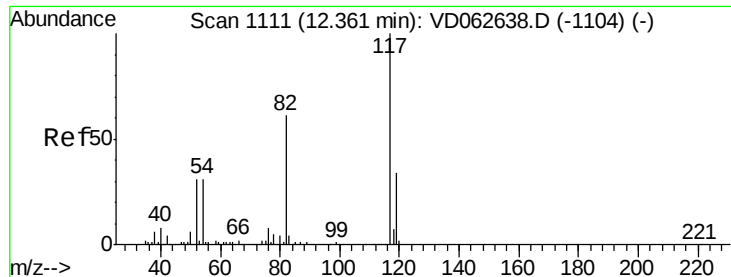
Tot Ion:107 Resp: 26118
 Ion Ratio Lower Upper
 107 100
 109 81.6 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 5.575 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

Tgt Ion: 95 Resp: 48992
 Ion Ratio Lower Upper
 95 100
 174 73.1 0.0 167.0
 176 82.6 0.0 159.2

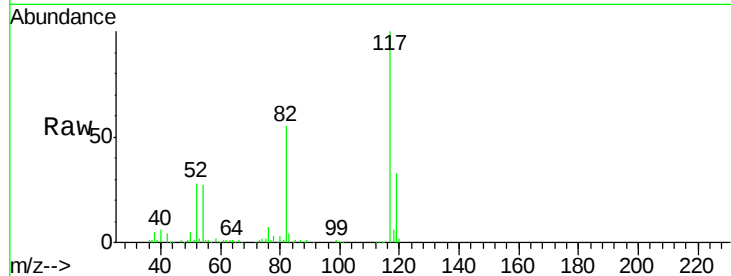




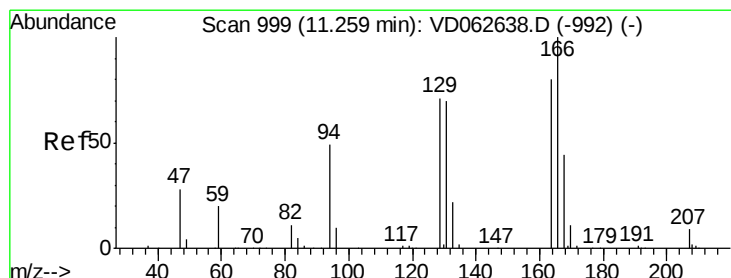
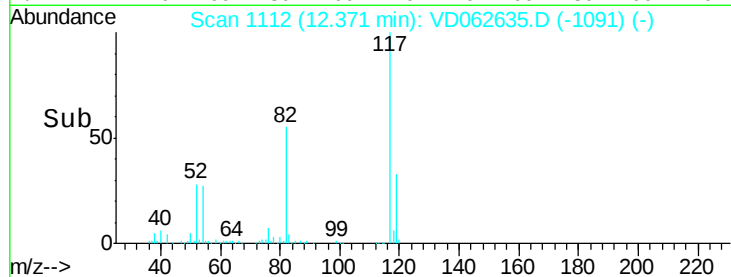
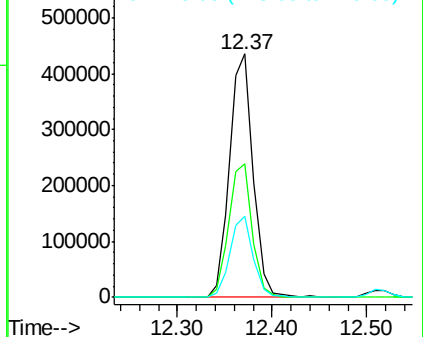
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 750233
Ion Ratio Lower Upper
117 100
82 54.6 48.7 73.1
119 33.3 27.0 40.6

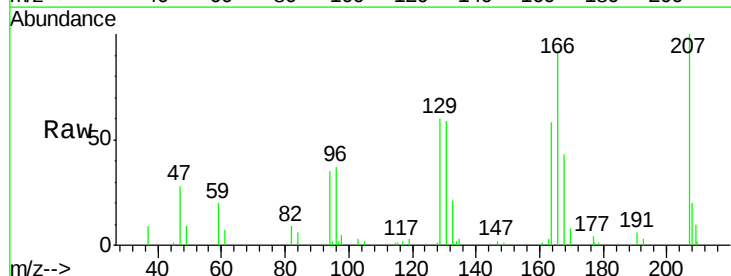


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

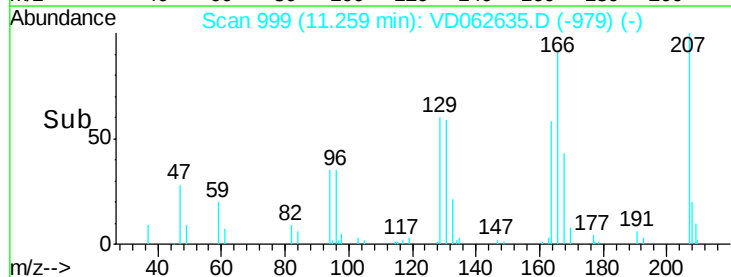
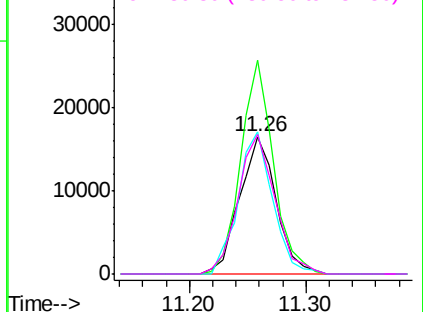


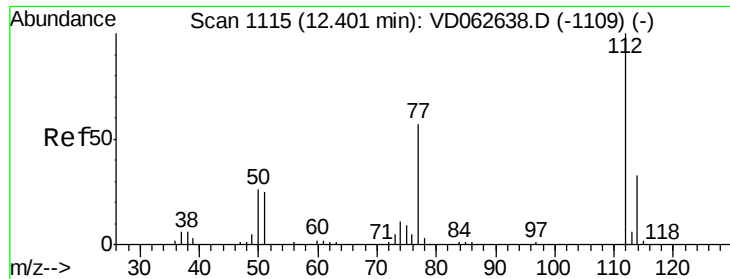
#64
Tetrachloroethene
Concen: 5.039 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion:164 Resp: 35895
Ion Ratio Lower Upper
164 100
166 155.4 99.4 149.2#
129 103.6 70.2 105.4
131 101.8 69.3 103.9



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

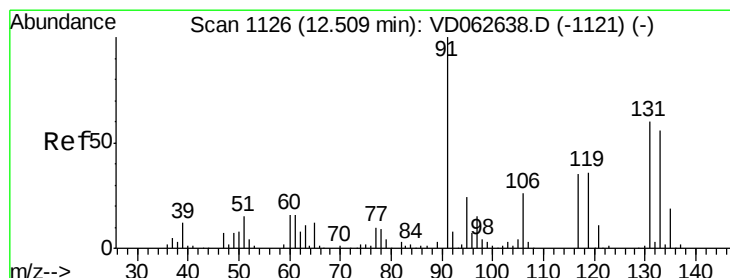
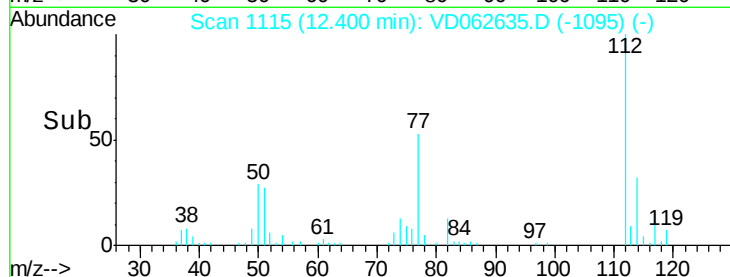
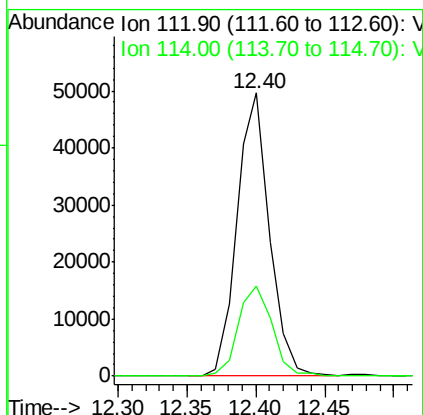
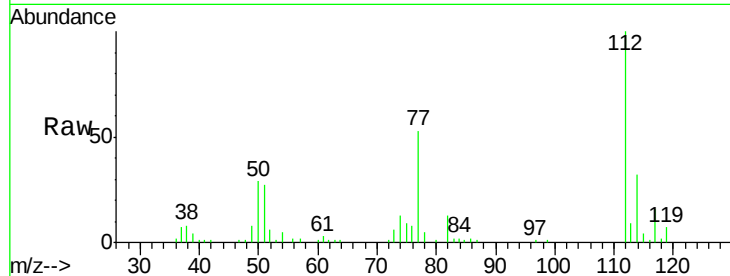




#65
Chlorobenzene
Concen: 4.830 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

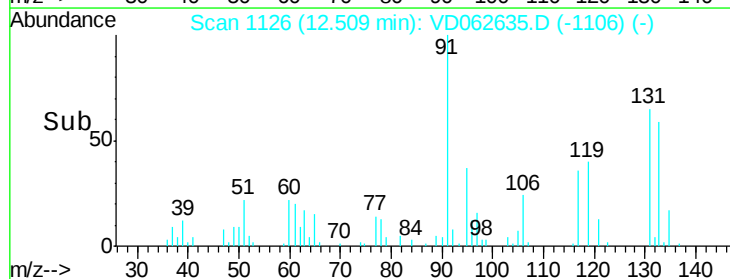
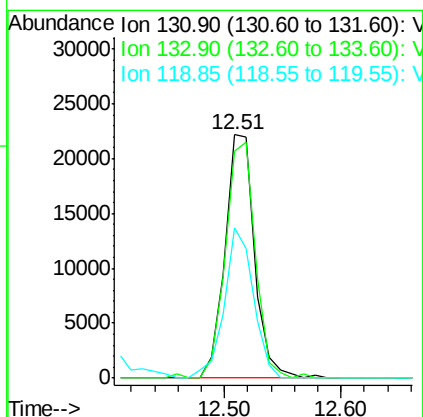
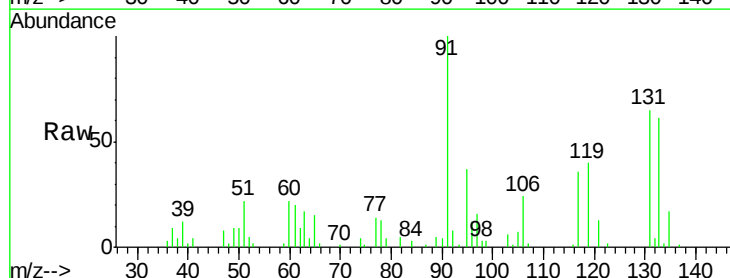
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

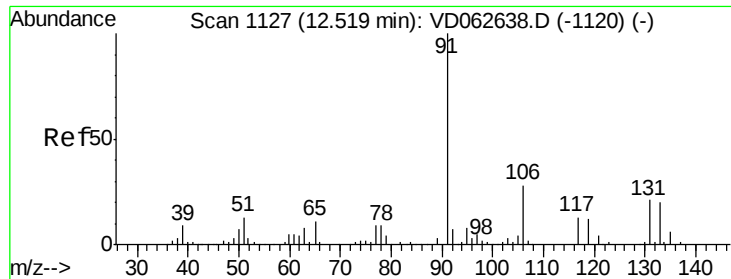
Tot Ion:112 Resp: 81169
Ion Ratio Lower Upper
112 100
114 32.0 26.3 39.5



#66
1,1,1,2-Tetrachloroethane
Concen: 4.843 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion:131 Resp: 39006
Ion Ratio Lower Upper
131 100
133 93.1 46.8 140.3
119 61.5 29.9 89.8

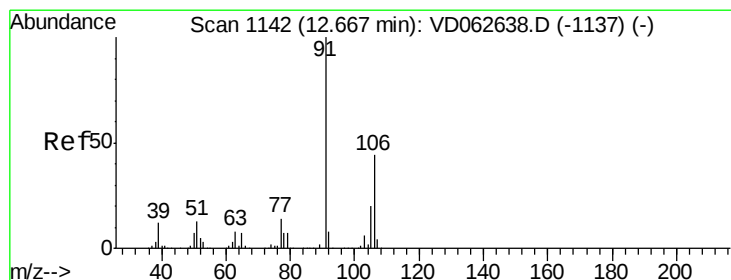
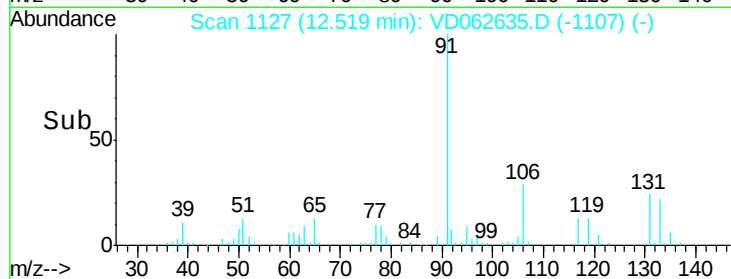
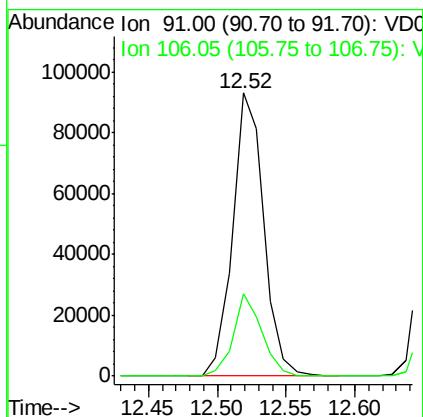
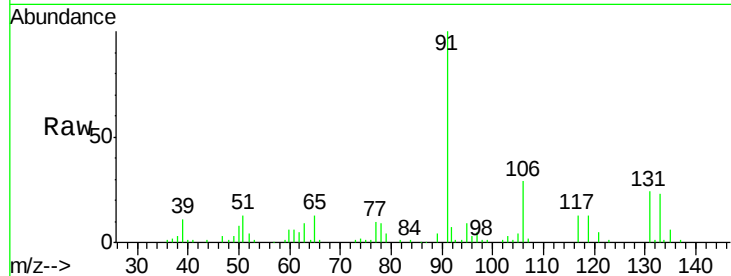




#67
Ethyl Benzene
Concen: 4.881 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

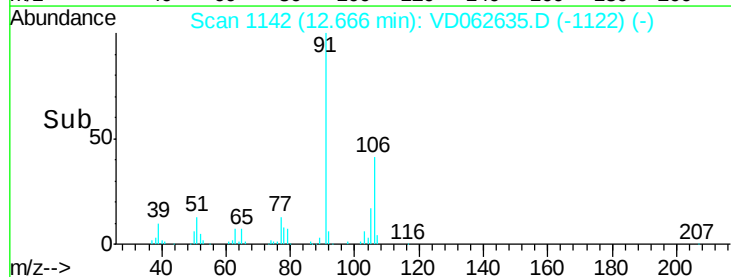
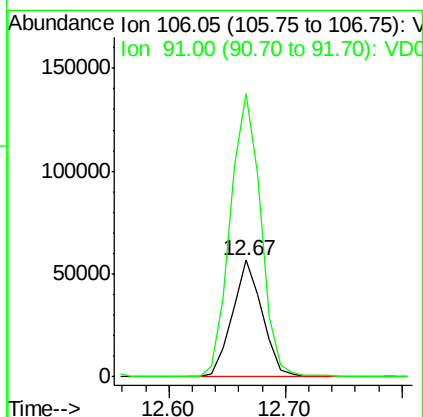
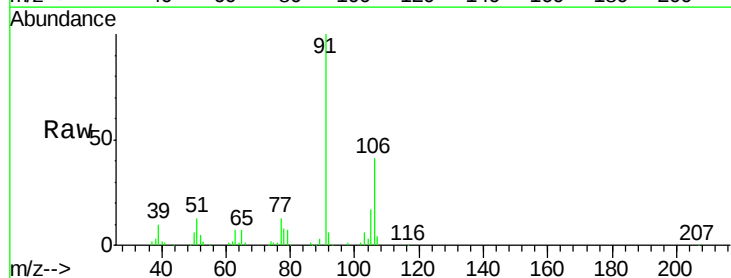
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

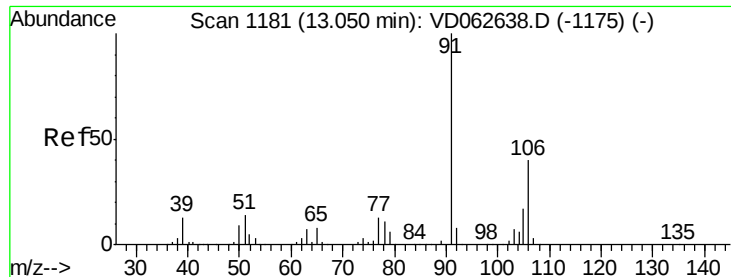
Tot Ion: 91 Resp: 145858
Ion Ratio Lower Upper
91 100
106 28.9 22.1 33.1



#68
m/p-Xylenes
Concen: 9.636 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion: 106 Resp: 101025
Ion Ratio Lower Upper
106 100
91 243.1 180.2 270.4

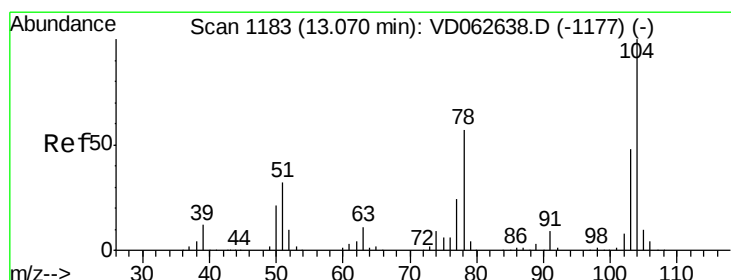
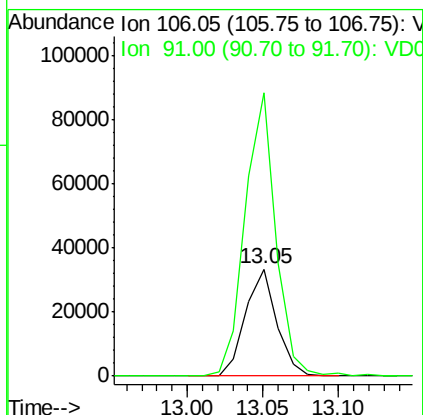
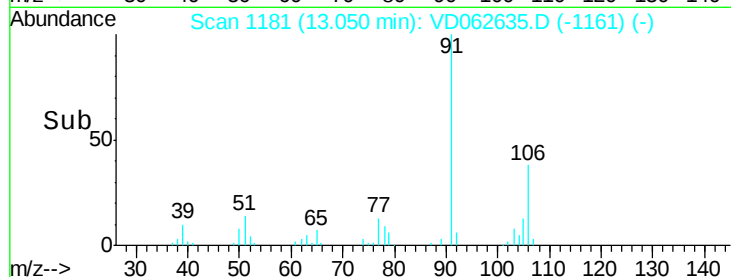
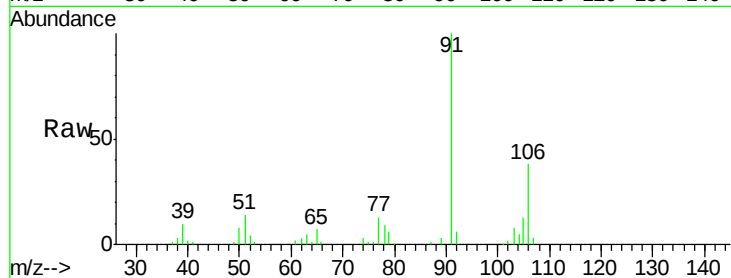




#69
o-Xylene
Concen: 4.904 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

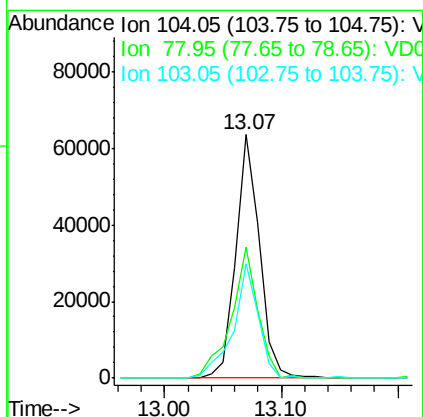
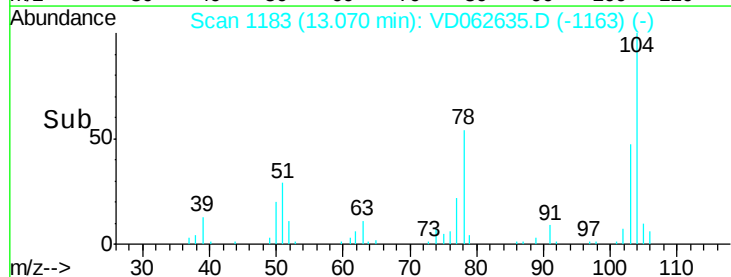
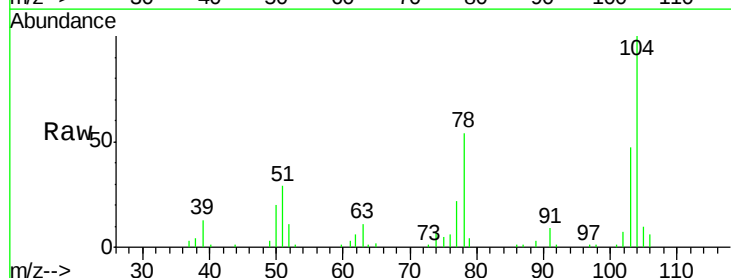
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

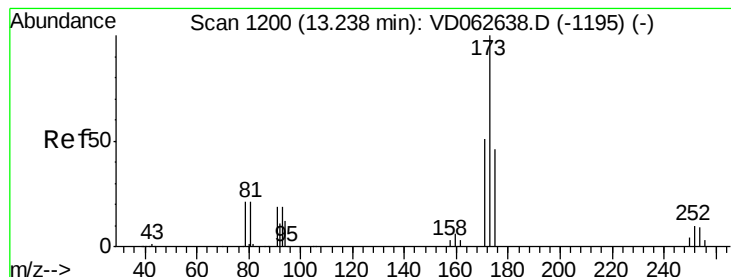
Tot Ion:106 Resp: 48261
Ion Ratio Lower Upper
106 100
91 264.5 124.1 372.1



#70
Styrene
Concen: 5.106 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion:104 Resp: 89590
Ion Ratio Lower Upper
104 100
78 53.7 45.9 68.9
103 46.8 38.4 57.6





#71

Bromoform

Concen: 4.658 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

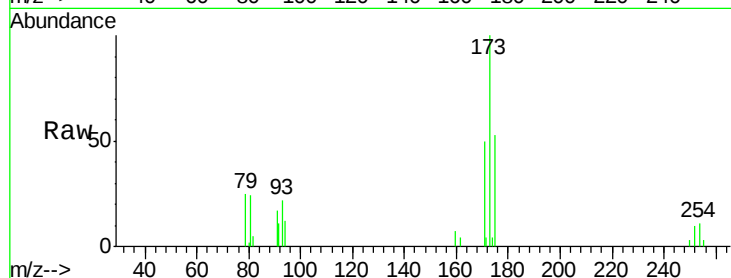
Tot Ion:173 Resp: 26074

Ion Ratio Lower Upper

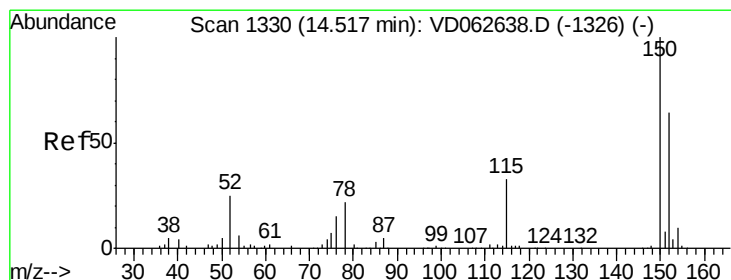
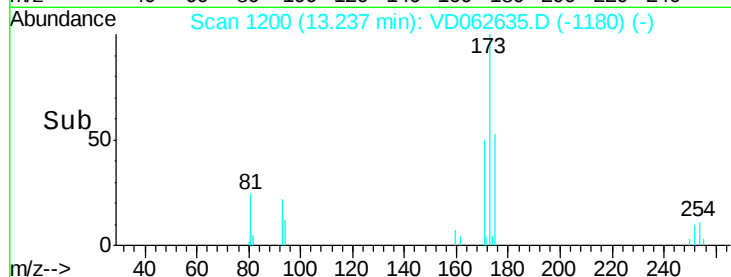
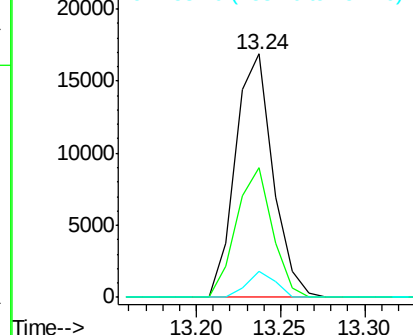
173 100

175 53.4 22.9 68.7

254 10.9 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: VD062635.D

Acq: 7 Jun 2019 10:53

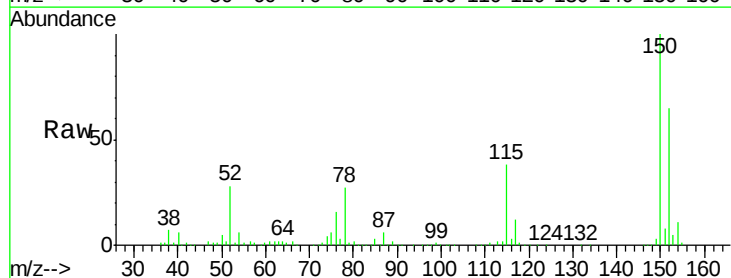
Tgt Ion:152 Resp: 431856

Ion Ratio Lower Upper

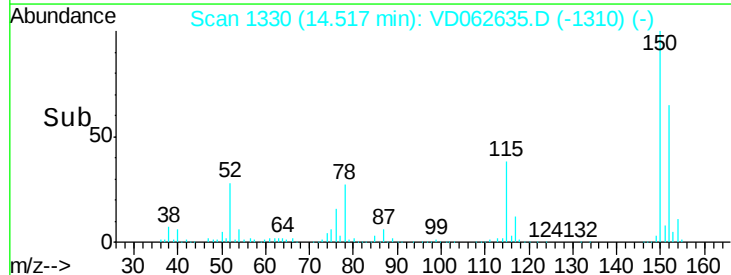
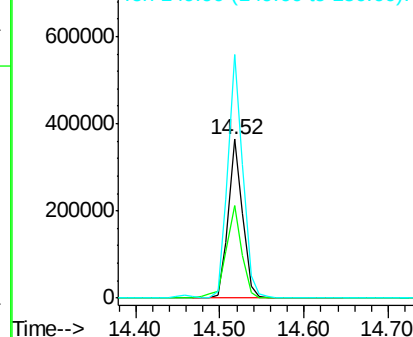
152 100

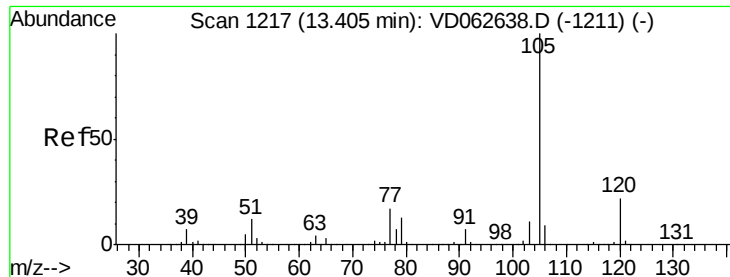
115 58.5 30.1 90.5

150 153.3 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: 5.251 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

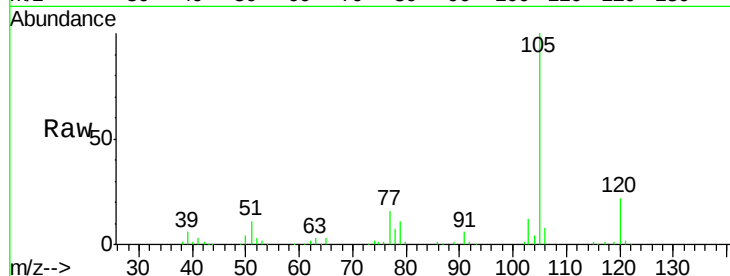
VSTDIC005

Tot Ion:105 Resp: 165114

Ion Ratio Lower Upper

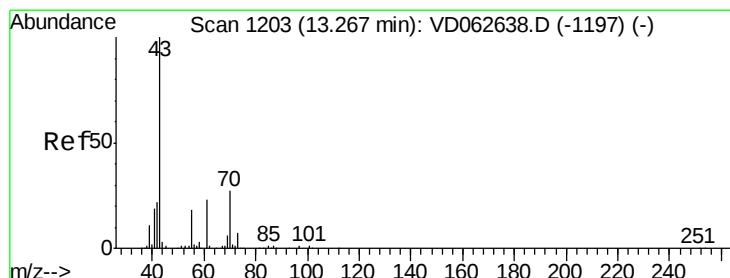
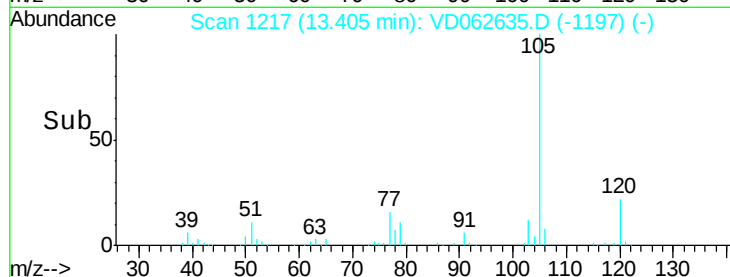
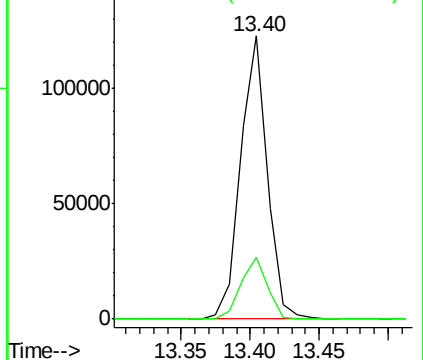
105 100

120 22.0 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: 4.984 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Tgt Ion: 43 Resp: 42201

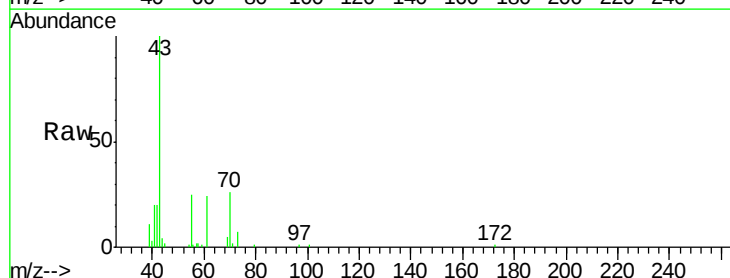
Ion Ratio Lower Upper

43 100

70 26.3 21.8 32.8

55 24.9 14.6 21.8#

61 23.6 18.4 27.6

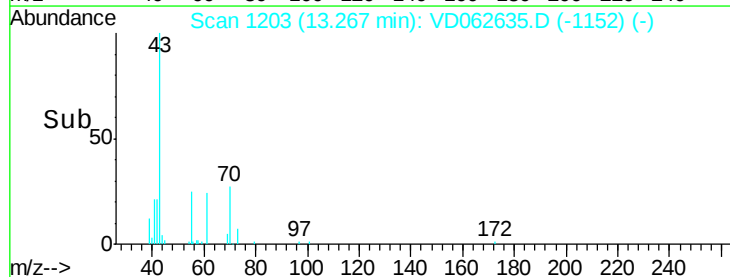
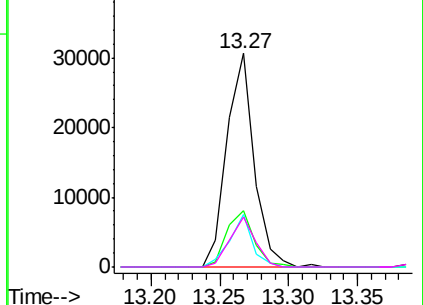


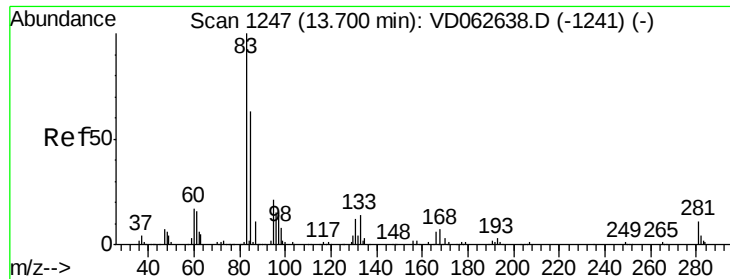
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 4.790 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

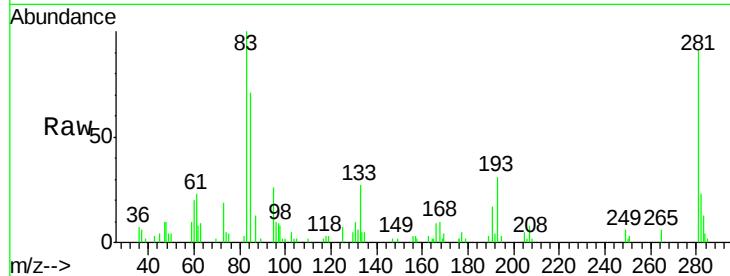
Tot Ion: 83 Resp: 25482

Ion Ratio Lower Upper

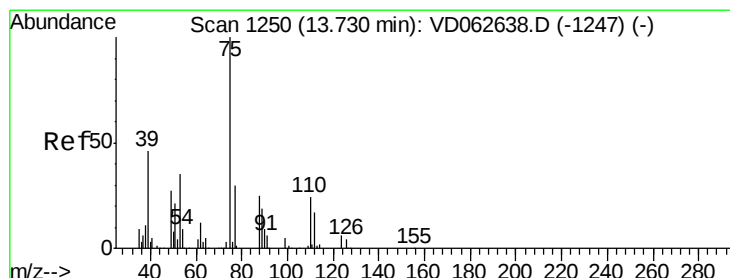
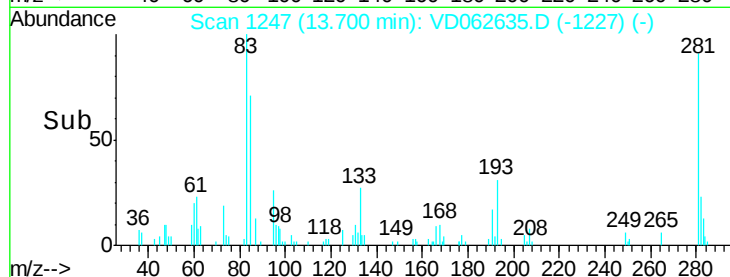
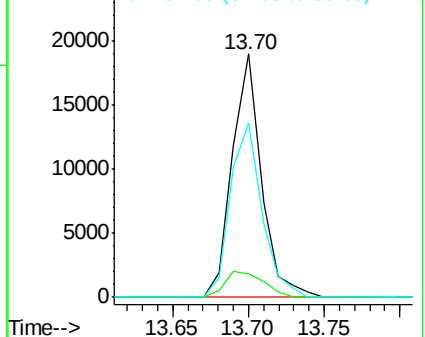
83 100

131 9.8 5.9 17.7

85 71.5 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: 5.061 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062635.D

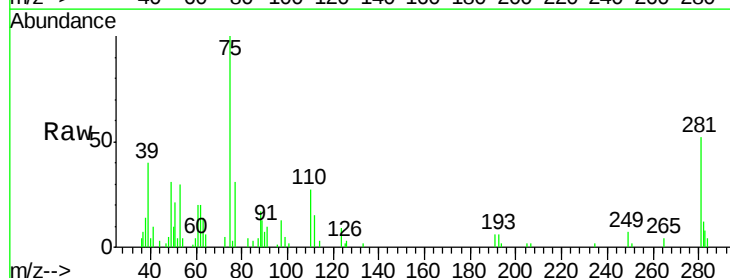
Acq: 7 Jun 2019 10:53

Tgt Ion: 75 Resp: 30154

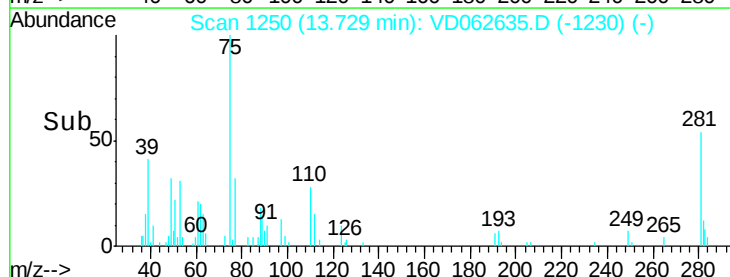
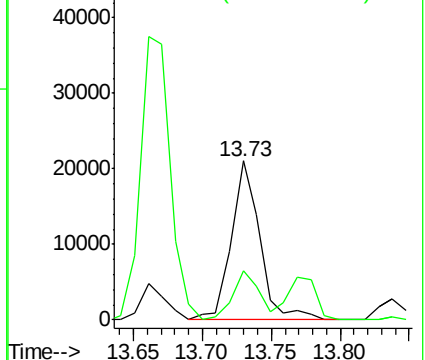
Ion Ratio Lower Upper

75 100

77 30.8 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: 4.700 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

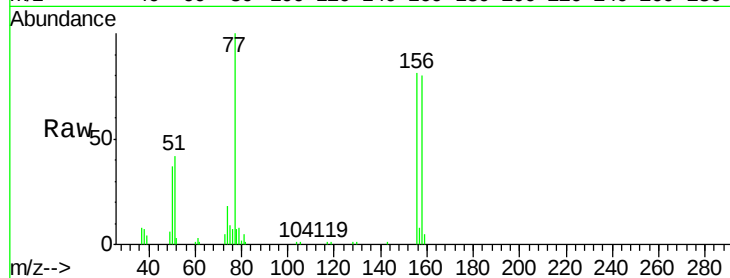
Tot Ion:156 Resp: 41587

Ion Ratio Lower Upper

156 100

77 123.3 56.3 168.8

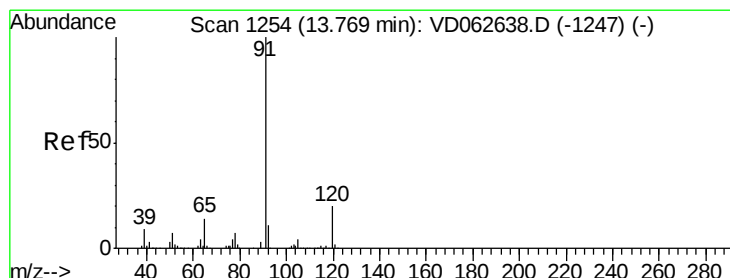
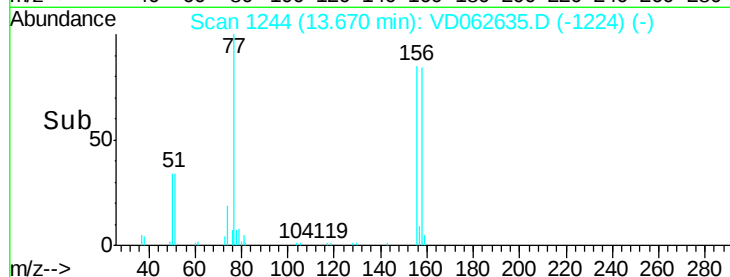
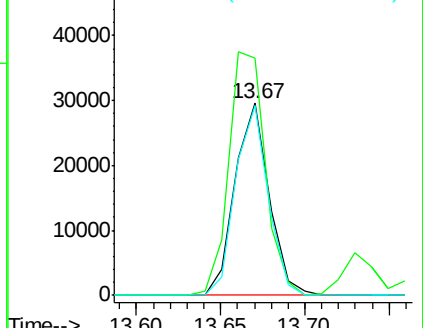
158 99.0 49.6 148.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 4.800 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD062635.D

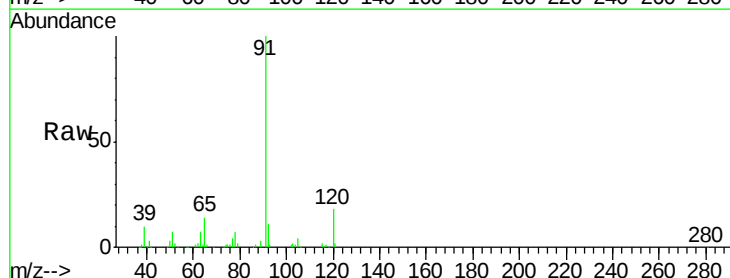
Acq: 7 Jun 2019 10:53

Tgt Ion: 91 Resp: 182704

Ion Ratio Lower Upper

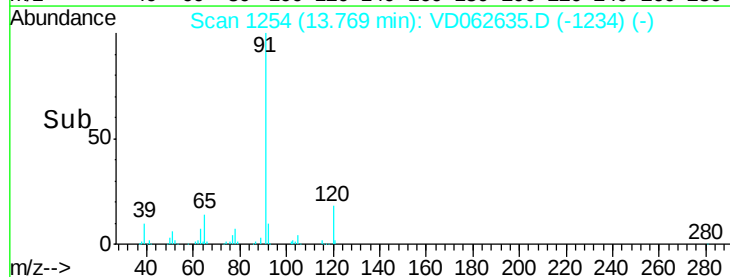
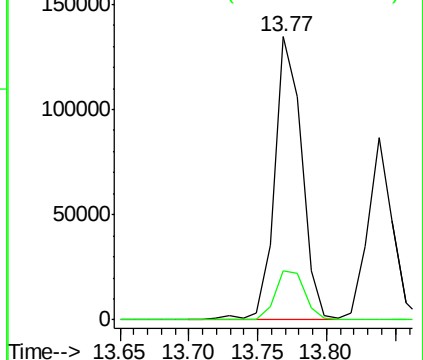
91 100

120 17.5 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 4.895 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

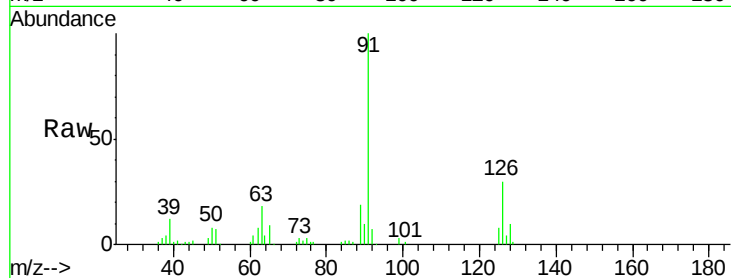
VSTDIC005

Tot Ion: 91 Resp: 108701

Ion Ratio Lower Upper

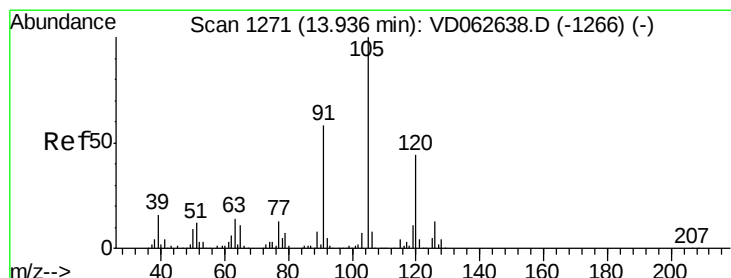
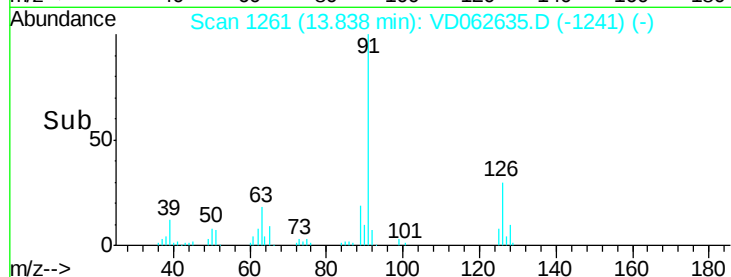
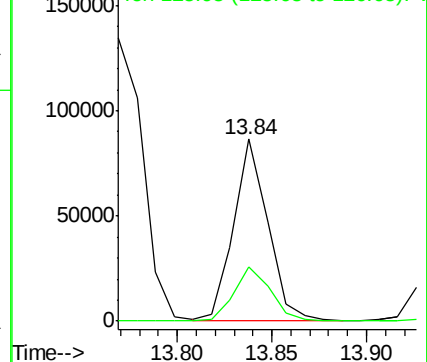
91 100

126 29.7 15.8 47.4



Abundance Ion 91.00 (90.70 to 91.70): VD062635.D (-1241) (-)

Ion 125.95 (125.65 to 126.65): VD062635.D (-1241) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.921 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062635.D

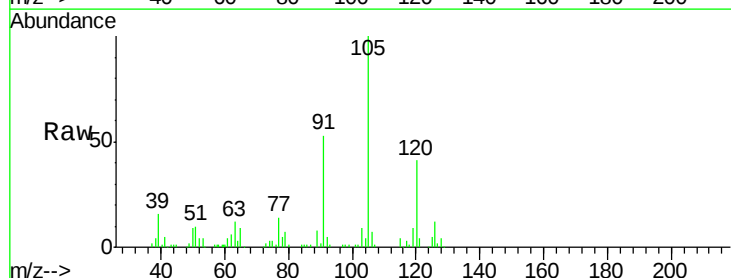
Acq: 7 Jun 2019 10:53

Tgt Ion: 105 Resp: 135050

Ion Ratio Lower Upper

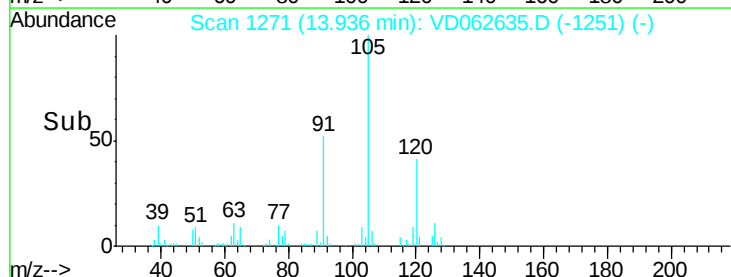
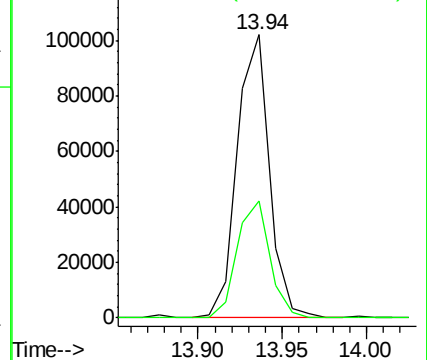
105 100

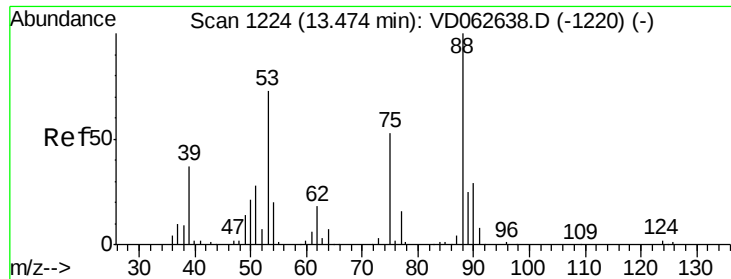
120 41.3 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062635.D (-1251) (-)

Ion 120.05 (119.75 to 120.75): VD062635.D (-1251) (-)

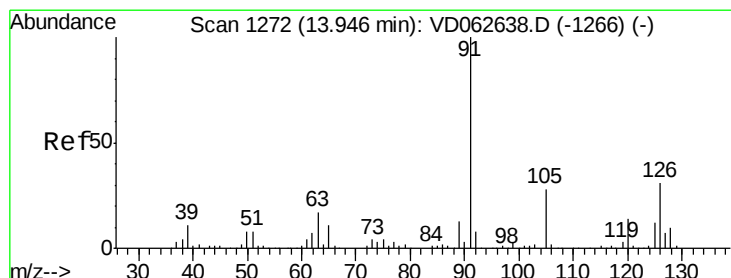
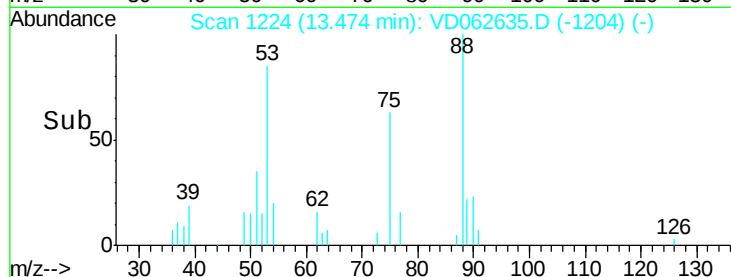
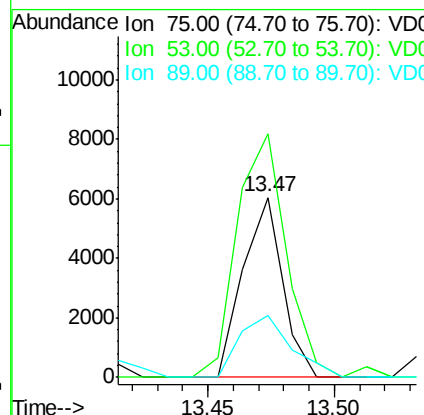
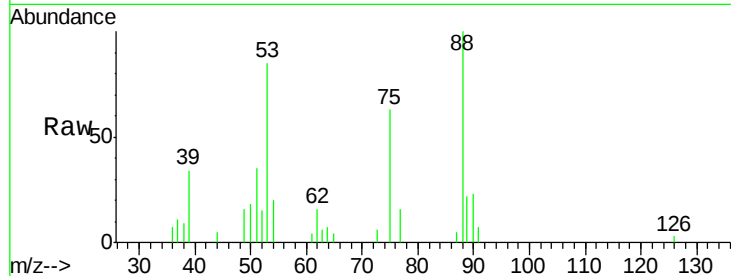




#81
trans-1,4-Dichloro-2-butene
Concen: 4.280 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

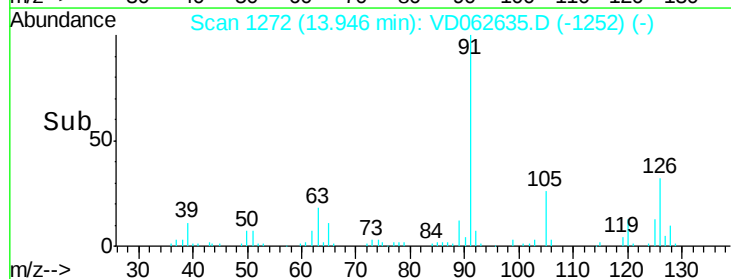
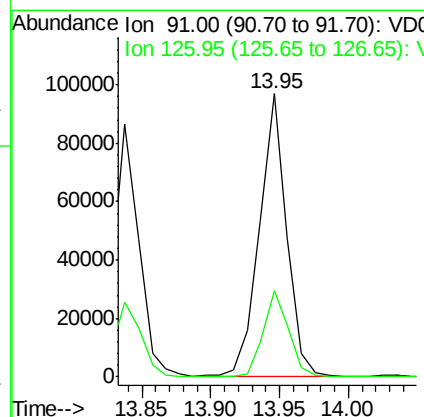
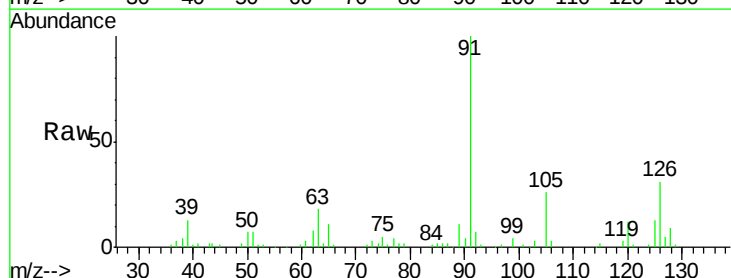
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 6569
Ion Ratio Lower Upper
75 100
53 135.1 109.4 164.2
89 34.6 37.0 55.6#



#82
4-Chlorotoluene
Concen: 5.028 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion: 91 Resp: 134340
Ion Ratio Lower Upper
91 100
126 30.6 15.6 46.8

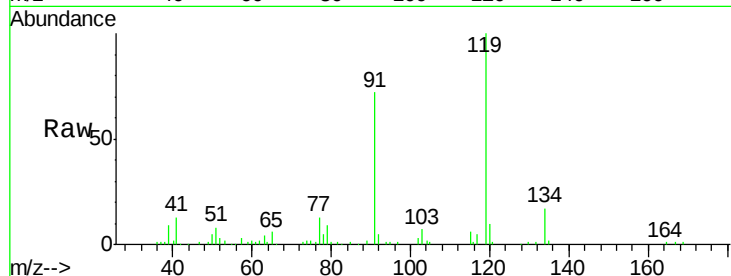




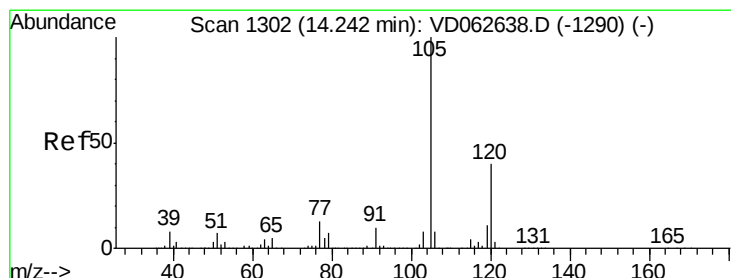
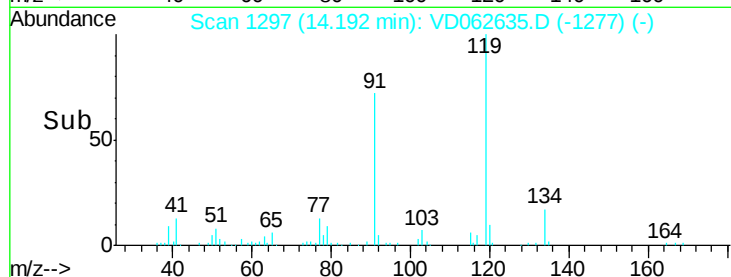
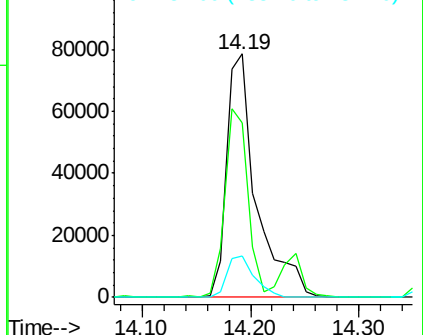
#83
tert-Butylbenzene
Concen: 4.925 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:119 Resp: 150795
Ion Ratio Lower Upper
119 100
91 71.7 35.4 106.1
134 16.8 10.8 32.3

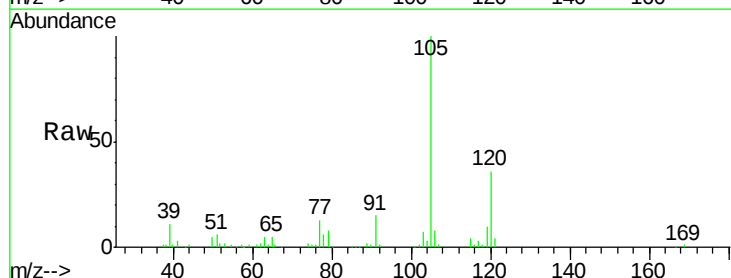


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

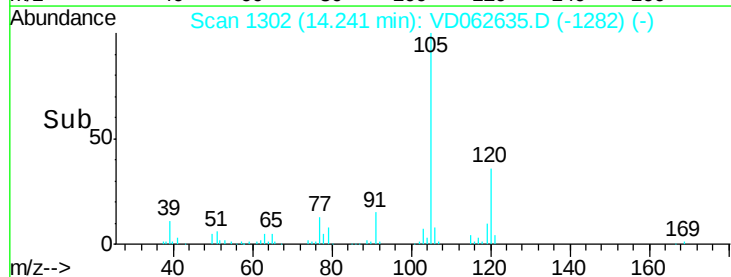
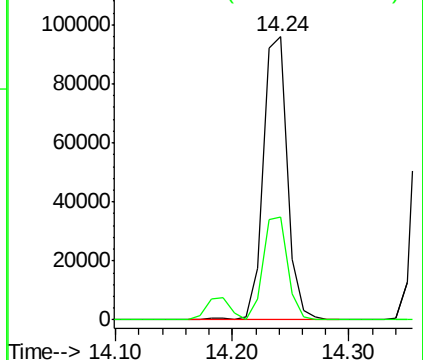


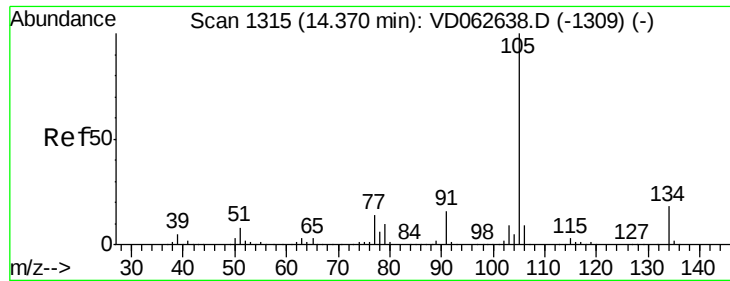
#84
1,2,4-Trimethylbenzene
Concen: 4.972 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion:105 Resp: 137087
Ion Ratio Lower Upper
105 100
120 36.2 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: 4.861 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

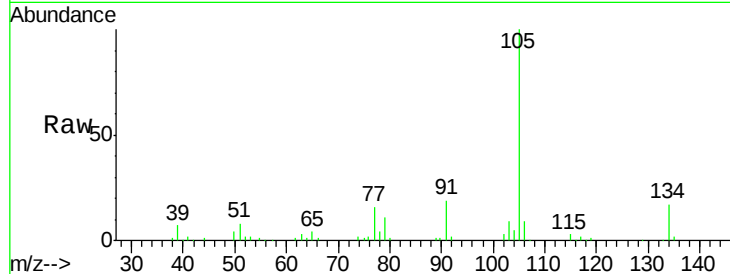
VSTDIC005

Tot Ion:105 Resp: 154798

Ion Ratio Lower Upper

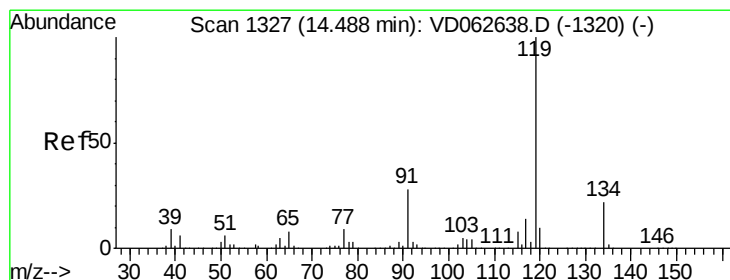
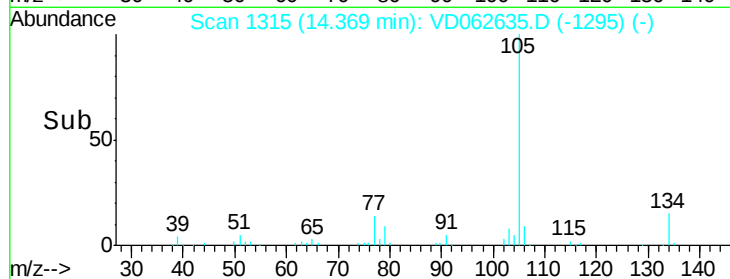
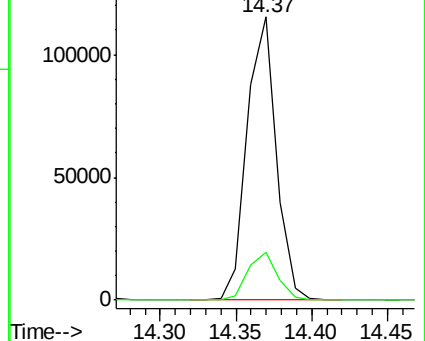
105 100

134 16.9 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 4.858 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

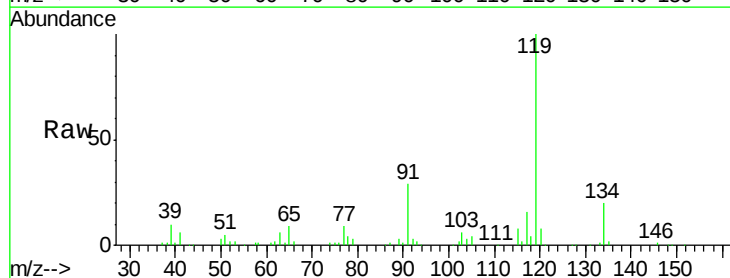
Tgt Ion:119 Resp: 150068

Ion Ratio Lower Upper

119 100

134 20.1 10.9 32.6

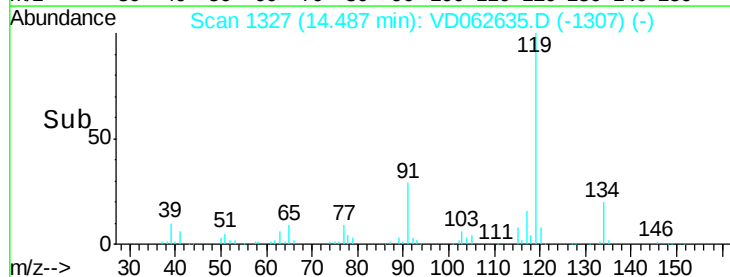
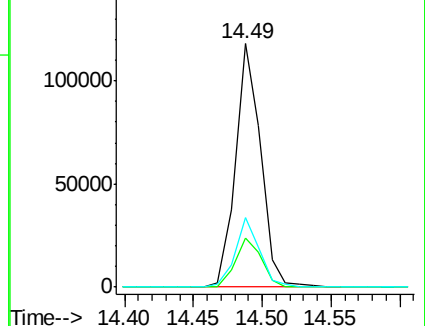
91 28.7 13.9 41.6

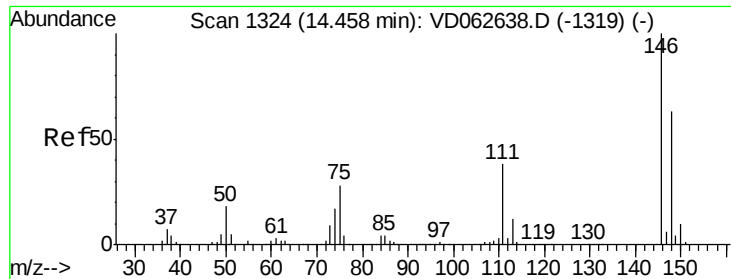


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

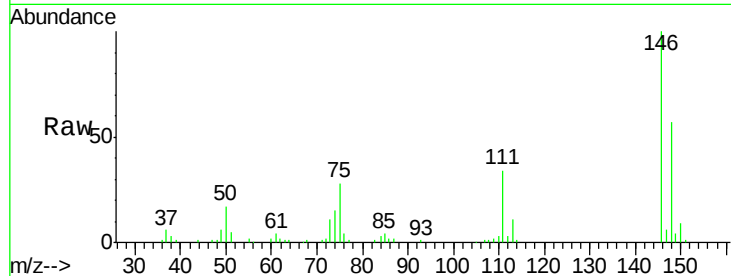




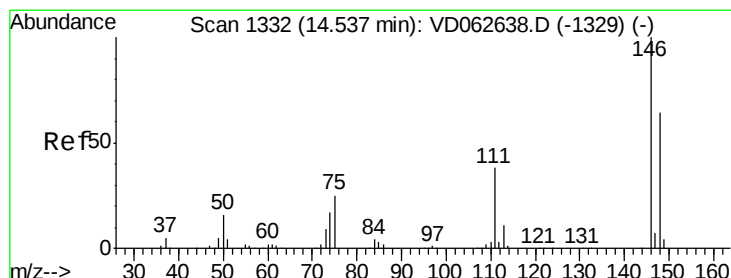
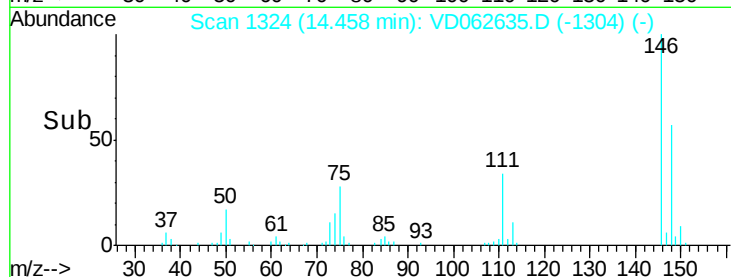
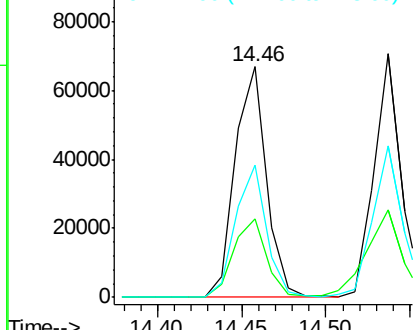
#87
 1,3-Dichlorobenzene
 Concen: 5.278 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 86381
 Ion Ratio Lower Upper
 146 100
 111 33.8 19.2 57.6
 148 57.5 31.6 95.0

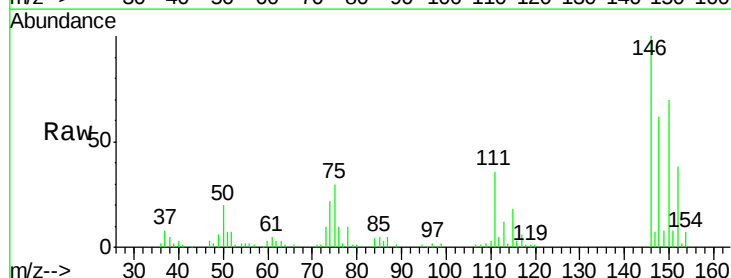


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

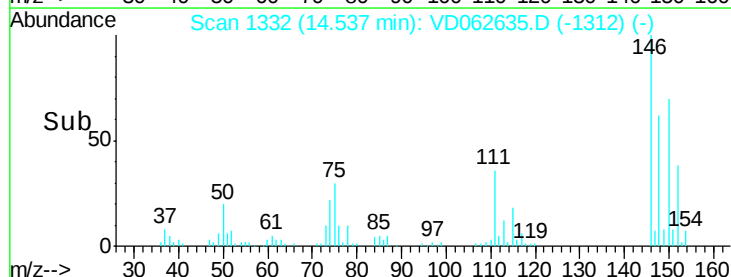
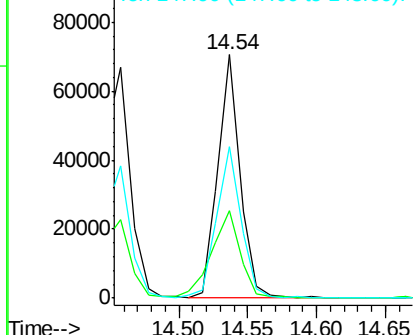


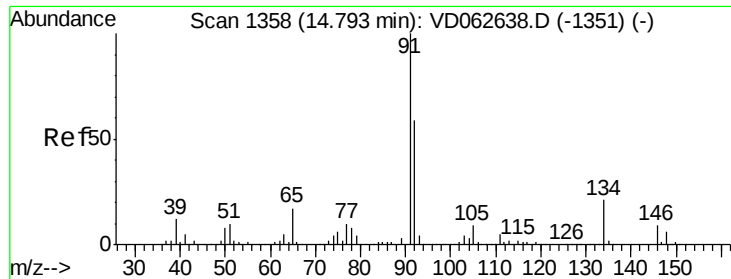
#88
 1,4-Dichlorobenzene
 Concen: 5.129 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

Tgt Ion:146 Resp: 78836
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.9 56.7
 148 62.4 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

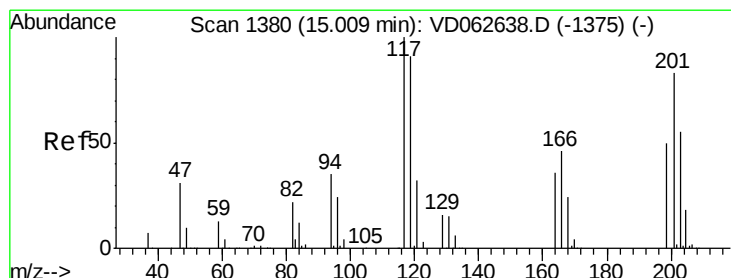
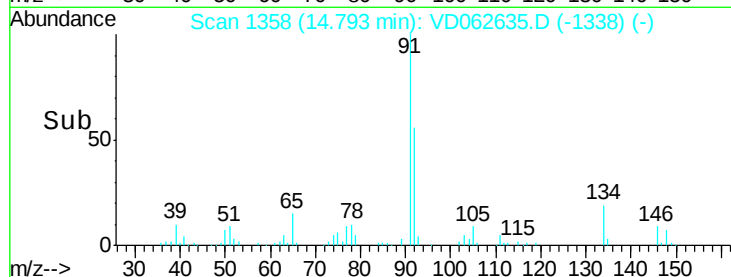
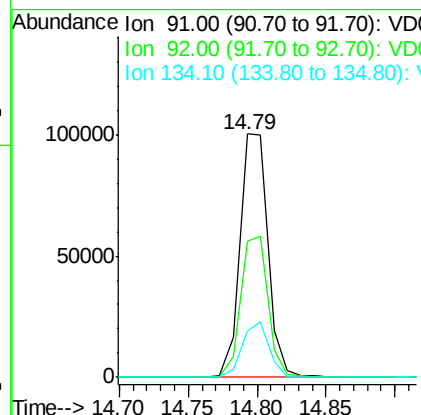
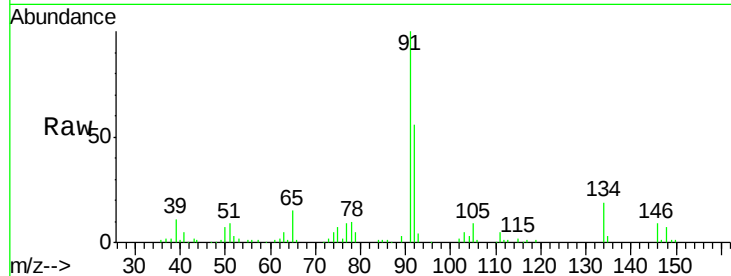




#89
n-Butylbenzene
Concen: 5.047 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

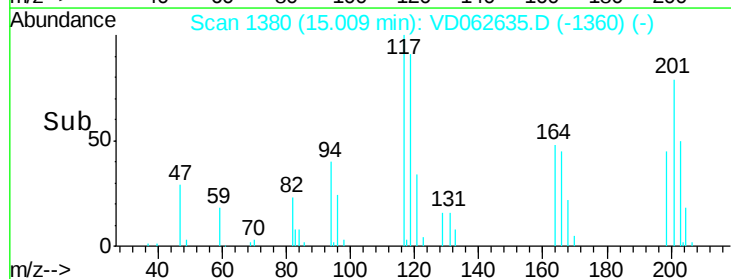
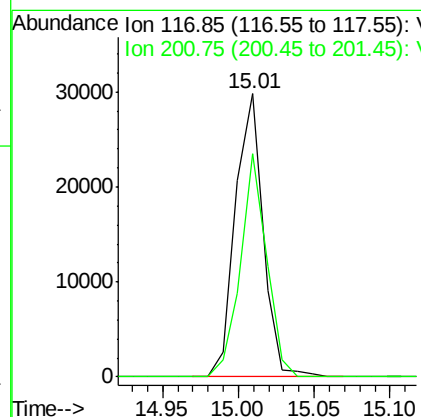
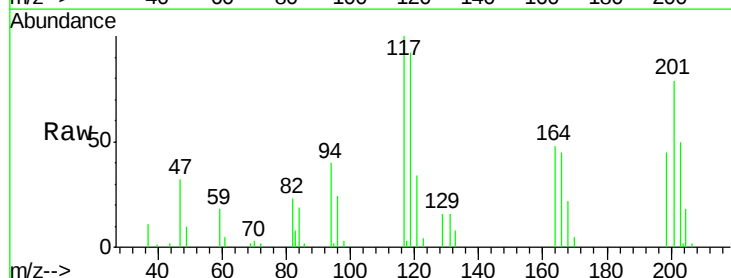
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

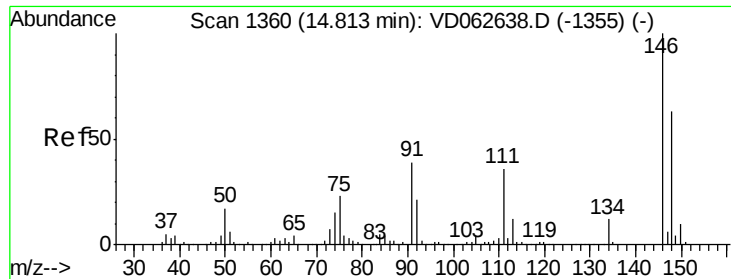
Tot Ion: 91 Resp: 142069
Ion Ratio Lower Upper
91 100
92 56.1 29.4 88.3
134 19.0 10.4 31.2



#90
Hexachloroethane
Concen: 4.629 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062635.D
Acq: 7 Jun 2019 10:53

Tgt Ion: 117 Resp: 37664
Ion Ratio Lower Upper
117 100
201 78.7 41.5 124.6





#91

1,2-Dichlorobenzene

Concen: 5.243 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

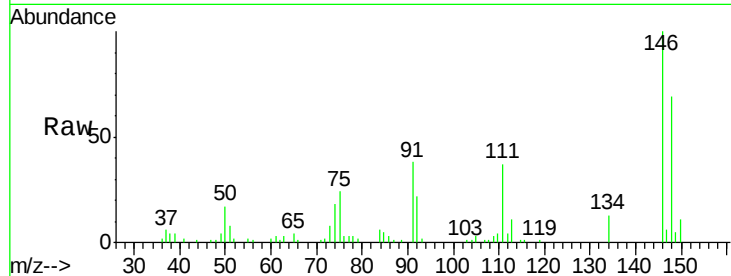
Tot Ion:146 Resp: 70514

Ion Ratio Lower Upper

146 100

111 37.1 18.1 54.3

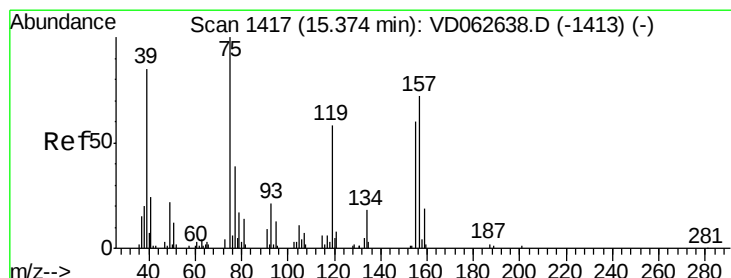
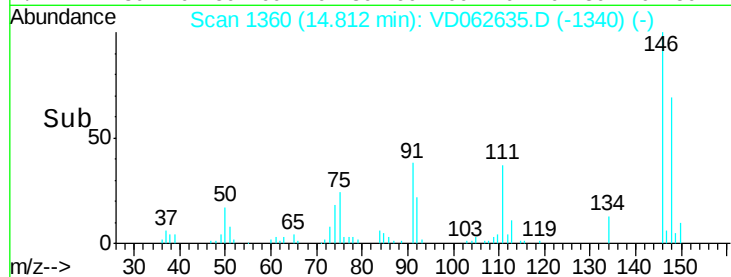
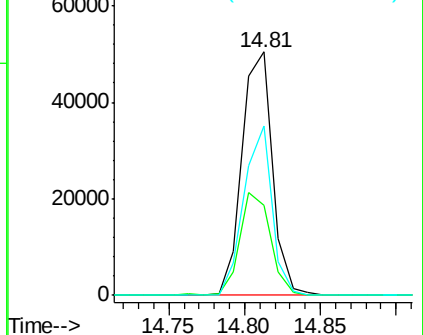
148 69.4 31.4 94.0



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: 5.923 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

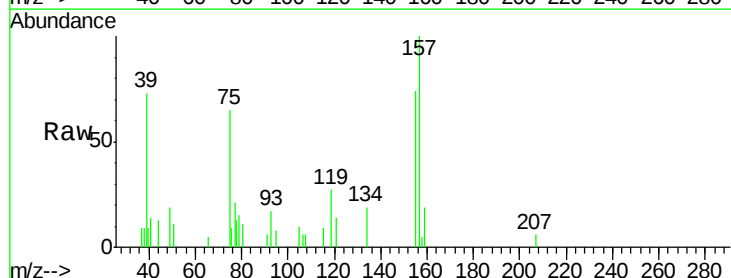
Tgt Ion: 75 Resp: 6959

Ion Ratio Lower Upper

75 100

155 100.0 30.1 90.5#

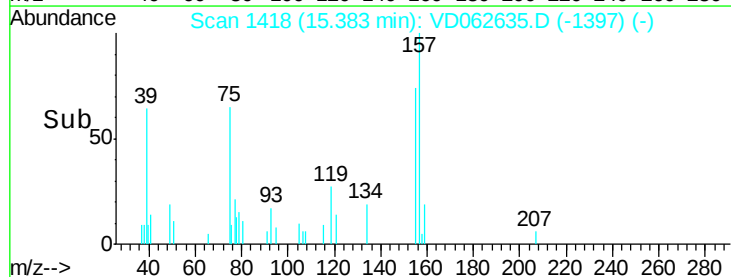
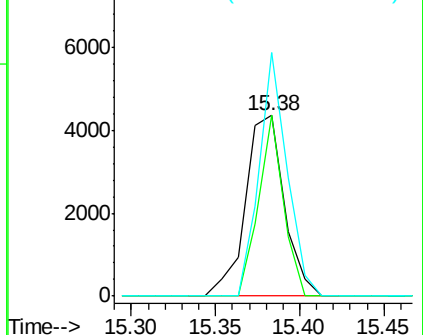
157 134.8 35.9 107.8#

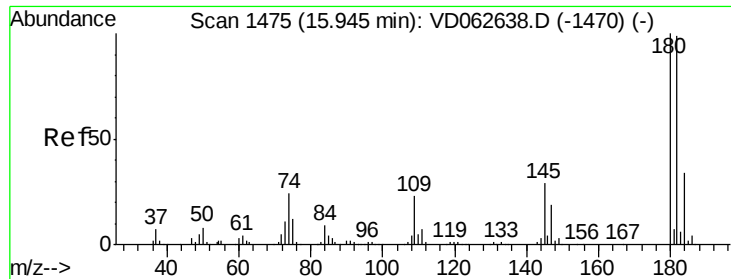


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

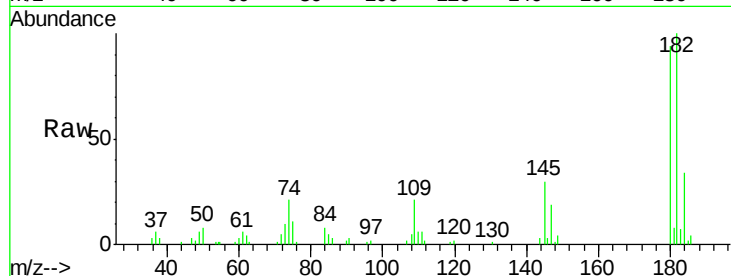




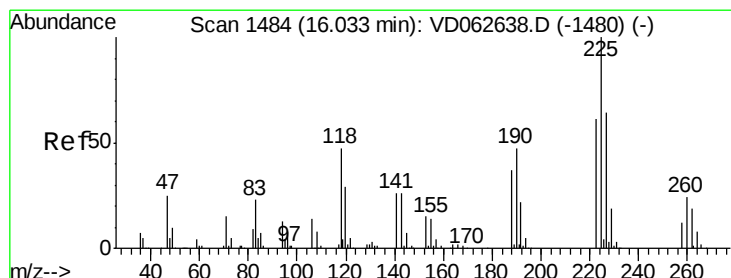
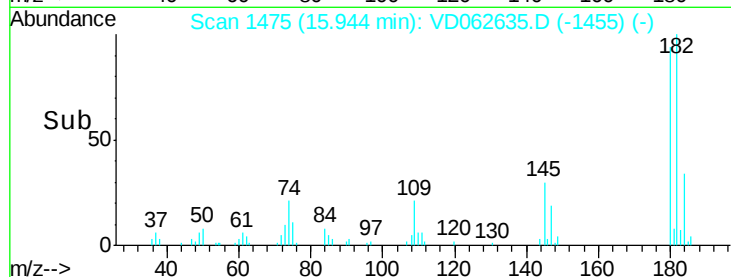
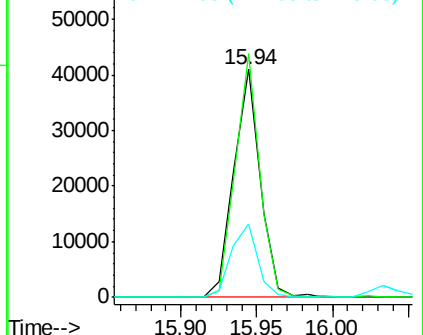
#93
 1,2,4-Trichlorobenzene
 Concen: 4.839 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 49378
 Ion Ratio Lower Upper
 180 100
 182 106.7 49.4 148.2
 145 32.2 14.5 43.6

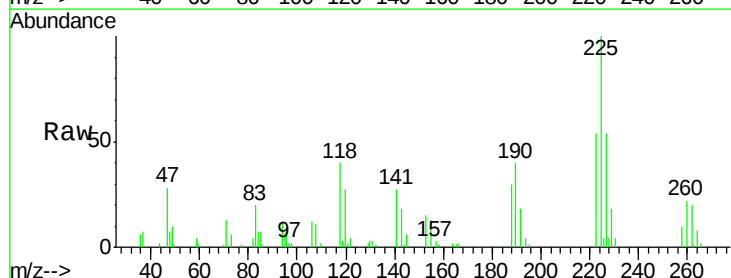


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

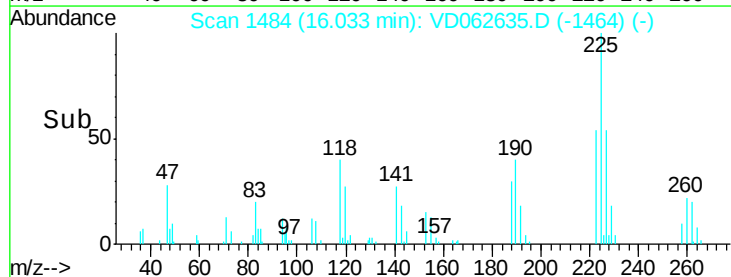
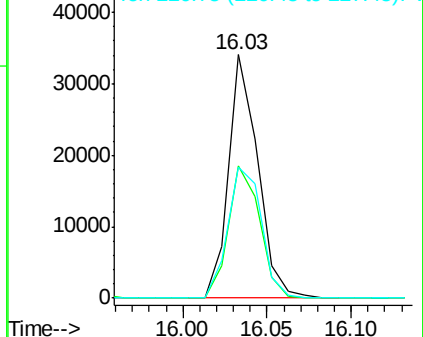


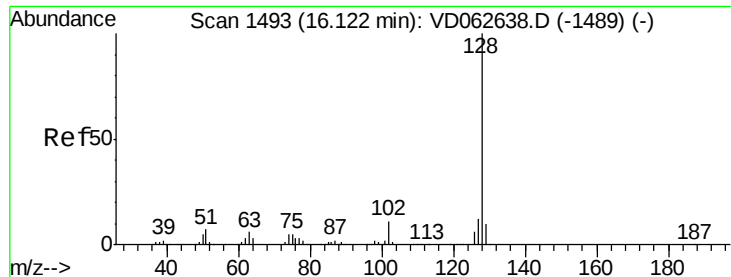
#94
 Hexachlorobutadiene
 Concen: 5.108 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062635.D
 Acq: 7 Jun 2019 10:53

Tgt Ion:225 Resp: 41155
 Ion Ratio Lower Upper
 225 100
 223 54.1 30.3 91.0
 227 54.0 31.8 95.4



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





#95

Naphthalene

Concen: 4.674 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

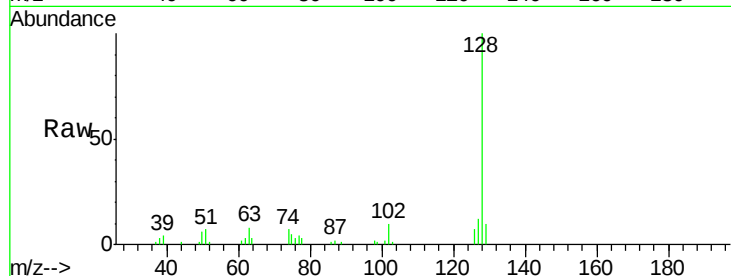
Tot Ion:128 Resp: 66265

Ion Ratio Lower Upper

128 100

127 11.5 9.7 14.5

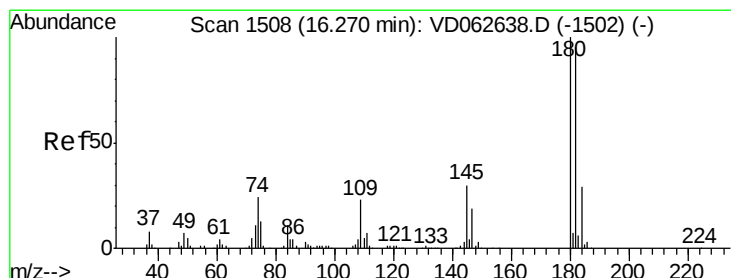
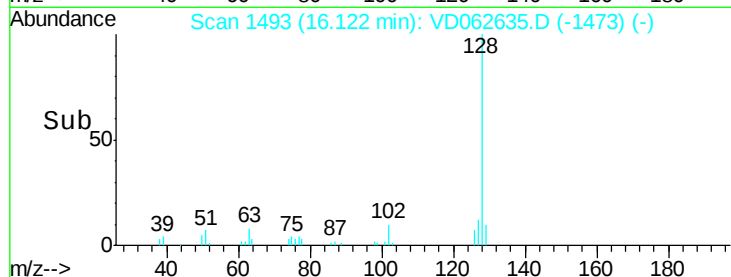
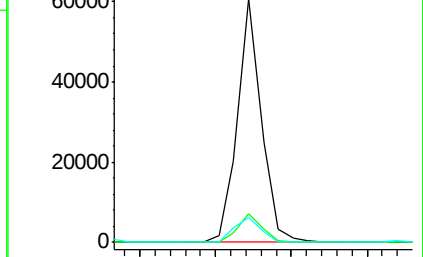
129 10.0 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.072 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD062635.D

Acq: 7 Jun 2019 10:53

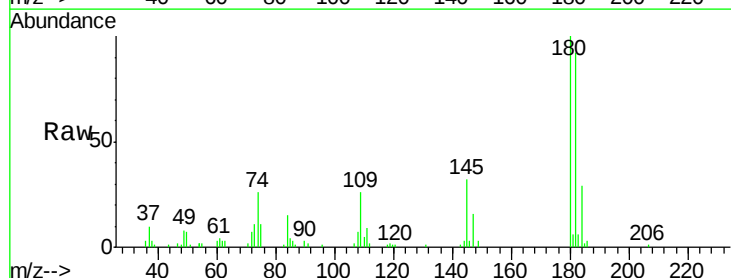
Tgt Ion:180 Resp: 39213

Ion Ratio Lower Upper

180 100

182 92.2 47.7 143.1

145 31.7 15.0 45.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

