

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051119\
 Data File : VD062230.D
 Acq On : 11 May 2019 11:55
 Operator : FY/SY
 Sample : VD0511SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBS01

Quant Time: May 11 22:19:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	834201	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1140499	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	954988	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	467720	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	357076	46.06	ug/l	0.03
Spiked Amount	50.000		Recovery	=	92.12%	
35) Dibromofluoromethane	6.92	113	452610	47.83	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.66%	
50) Toluene-d8	10.41	98	1040684	45.61	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.22%	
62) 4-Bromofluorobenzene	13.56	95	436607	47.65	ug/l	0.01
Spiked Amount	50.000		Recovery	=	95.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	165275	20.715	ug/l	96
3) Chloromethane	1.76	50	111186	19.286	ug/l	96
4) Vinyl Chloride	1.86	62	111552	19.689	ug/l	96
5) Bromomethane	2.15	94	34030	25.633	ug/l	98
6) Chloroethane	2.26	64	51284	21.571	ug/l	98
7) Trichlorofluoromethane	2.53	101	246123	22.344	ug/l	99
8) Diethyl Ether	2.88	74	37367	17.590	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.14	101	189300	22.718	ug/l	96
10) Methyl Iodide	3.30	142	204043	16.202	ug/l #	88
11) Tert butyl alcohol	4.07	59	37596	95.008	ug/l #	86
12) 1,1-Dichloroethene	3.12	96	137512	21.619	ug/l	92
13) Acrolein	3.04	56	39554	96.641	ug/l	96
14) Allyl chloride	3.62	41	183286	19.818	ug/l	90
15) Acrylonitrile	4.20	53	102201	98.259	ug/l	91
16) Acetone	3.22	43	186667	114.819	ug/l	91
17) Carbon Disulfide	3.38	76	342574	18.722	ug/l	99
18) Methyl Acetate	3.65	43	51129	17.386	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	274406	20.127	ug/l	94
20) Methylene Chloride	3.81	84	144204	21.244	ug/l	90
21) trans-1,2-Dichloroethene	4.22	96	142399	20.119	ug/l	96
22) Diisopropyl ether	5.11	45	405448	20.602	ug/l #	86
23) Vinyl Acetate	5.05	43	1110581	106.956	ug/l	99
24) 1,1-Dichloroethane	4.98	63	240813	20.283	ug/l	99
25) 2-Butanone	6.08	43	180479	101.776	ug/l	96
26) 2,2-Dichloropropane	6.02	77	265647	22.462	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	155276	19.599	ug/l	97
28) Bromochloromethane	6.43	49	109955	23.540	ug/l	86
29) Tetrahydrofuran	6.46	42	78925	96.596	ug/l	95
30) Chloroform	6.67	83	305800	21.372	ug/l	99
31) Cyclohexane	6.96	56	159169	19.569	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	319314	23.611	ug/l	98
36) 1,1-Dichloropropene	7.15	75	213018	22.780	ug/l	96
37) Ethyl Acetate	6.18	43	80777	20.369	ug/l #	91
38) Carbon Tetrachloride	7.11	117	295912	22.863	ug/l	100

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 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBS01

Quant Time: May 11 22:19:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	188036	20.988	ug/l	97
40) Benzene	7.45	78	437405	20.715	ug/l	97
41) Methacrylonitrile	6.45	41	103705	21.399	ug/l #	86
42) 1,2-Dichloroethane	7.58	62	200213	22.379	ug/l	94
43) Isopropyl Acetate	9.24	43	112135	19.938	ug/l	92
44) Trichloroethene	8.54	130	165101	20.519	ug/l	90
45) 1,2-Dichloropropane	8.94	63	109219	20.911	ug/l	100
46) Dibromomethane	9.07	93	87921	20.701	ug/l	93
47) Bromodichloromethane	9.37	83	231412	22.275	ug/l	96
48) Methyl methacrylate	9.12	41	70030	20.215	ug/l #	85
49) 1,4-Dioxane	9.08	88	13805	369.339	ug/l #	63
51) 4-Methyl-2-Pentanone	10.30	43	361257	99.926	ug/l	96
52) Toluene	10.51	92	302048	21.985	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	193852	21.590	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	207059	21.138	ug/l #	87
55) 1,1,2-Trichloroethane	11.19	97	96248	19.800	ug/l	99
56) Ethyl methacrylate	11.04	69	98096	19.420	ug/l #	85
57) 1,3-Dichloropropane	11.41	76	154576	21.048	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	284436	103.085	ug/l	99
59) 2-Hexanone	11.53	43	286879	107.664	ug/l	92
60) Dibromochloromethane	11.69	129	178023	21.191	ug/l	98
61) 1,2-Dibromoethane	11.80	107	122336	20.700	ug/l	93
64) Tetrachloroethene	11.25	164	161557	21.634	ug/l	96
65) Chlorobenzene	12.39	112	378078	21.256	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	162316	20.968	ug/l	95
67) Ethyl Benzene	12.52	91	639266	21.468	ug/l	95
68) m/p-Xylenes	12.67	106	445934	41.161	ug/l	95
69) o-Xylene	13.04	106	228470	22.683	ug/l	89
70) Styrene	13.07	104	363969	21.332	ug/l	98
71) Bromoform	13.23	173	115167	21.384	ug/l	99
73) Isopropylbenzene	13.40	105	682314	24.337	ug/l	96
74) N-amyl acetate	13.26	43	147894	20.120	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	109859	20.698	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	119548	21.507	ug/l	96
77) Bromobenzene	13.67	156	189835	24.188	ug/l	93
78) n-propylbenzene	13.77	91	800619	23.939	ug/l	97
79) 2-Chlorotoluene	13.84	91	448619	23.421	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	531109	22.496	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.47	75	30535	19.459	ug/l #	87
82) 4-Chlorotoluene	13.95	91	550238	24.412	ug/l	92
83) tert-Butylbenzene	14.19	119	602438	22.702	ug/l	90
84) 1,2,4-Trimethylbenzene	14.23	105	537151	22.673	ug/l	90
85) sec-Butylbenzene	14.36	105	731187	25.131	ug/l	97
86) p-Isopropyltoluene	14.49	119	551647	21.222	ug/l	93
87) 1,3-Dichlorobenzene	14.45	146	345733	24.114	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	299704	21.275	ug/l	96
89) n-Butylbenzene	14.80	91	559166	23.966	ug/l	94
90) Hexachloroethane	15.00	117	161453	22.839	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	273284	23.145	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	18640	21.394	ug/l	75

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ClientSampleId :
VD0511SBS01

Quant Time: May 11 22:19:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

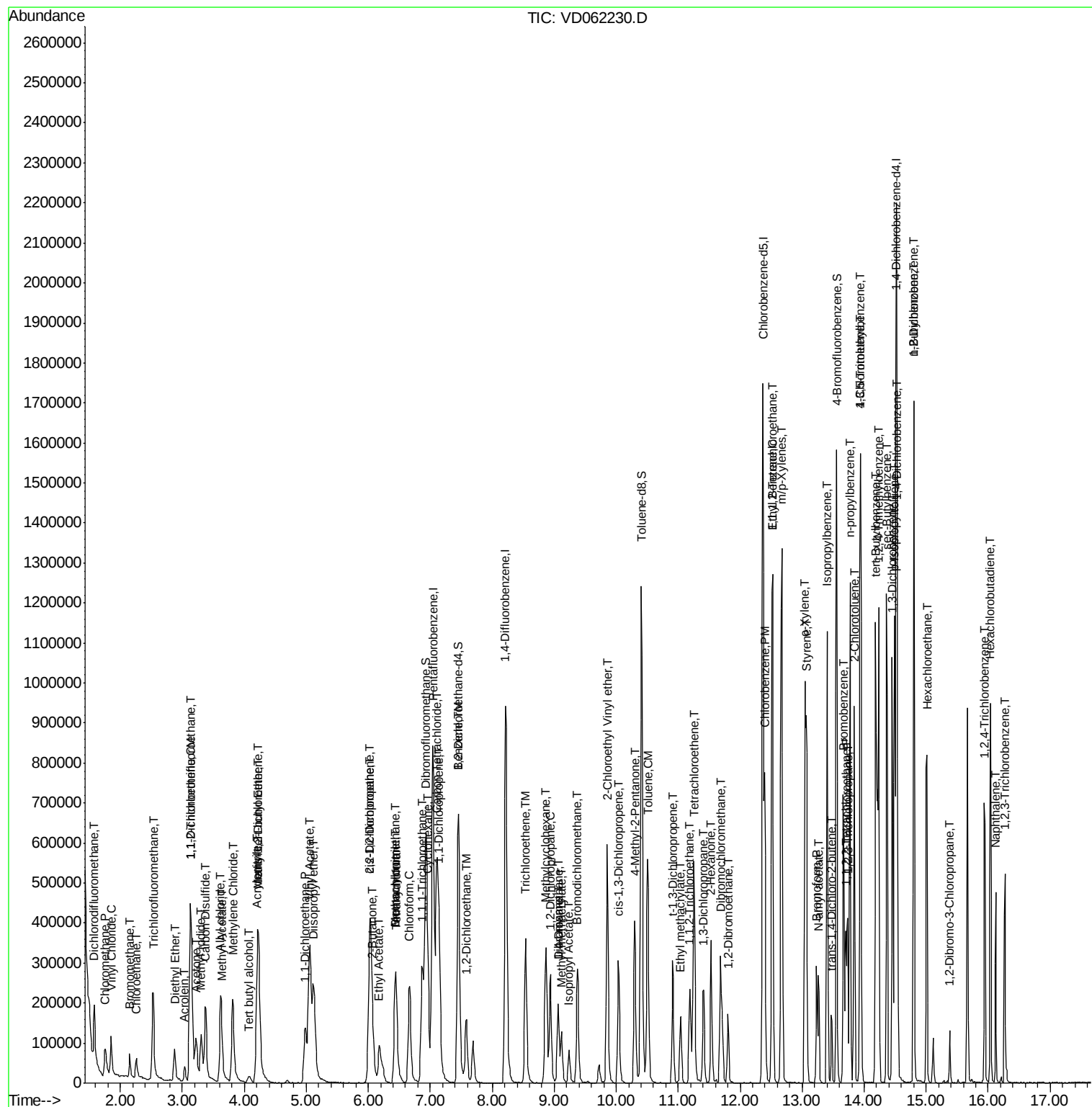
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	199627	23.228	ug/l	93
94) Hexachlorobutadiene	16.04	225	155133	24.269	ug/l	99
95) Naphthalene	16.12	128	277582	23.134	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	145666	26.957	ug/l	96

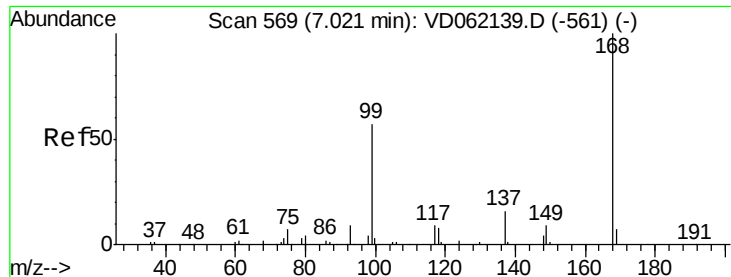
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051119\
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

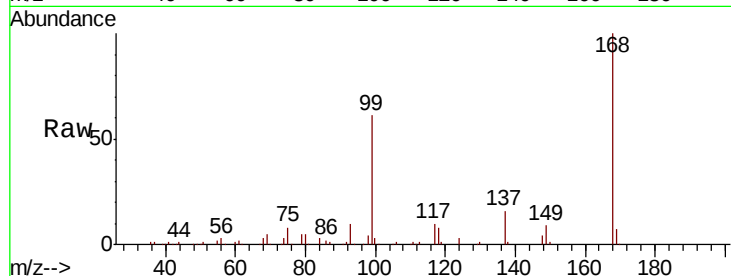
VD0511SBS01

Tot Ion:168 Resp: 834201

Ion Ratio Lower Upper

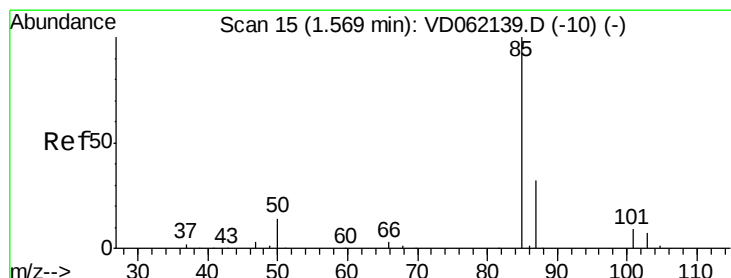
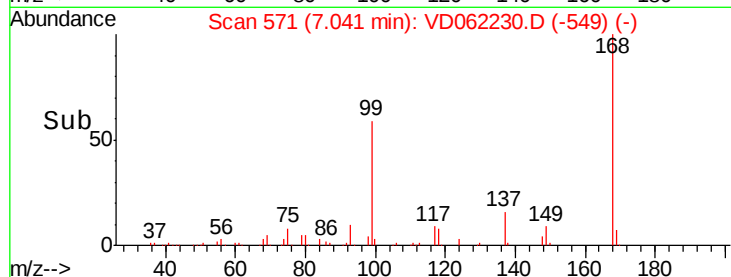
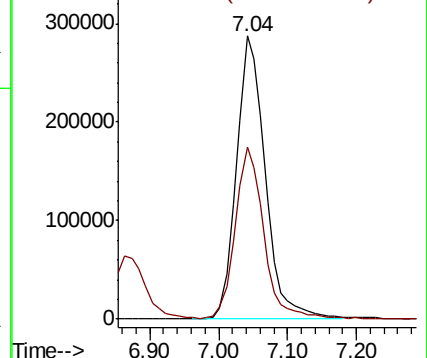
168 100

99 60.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#2

Dichlorodifluoromethane

Concen: 20.715 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062230.D

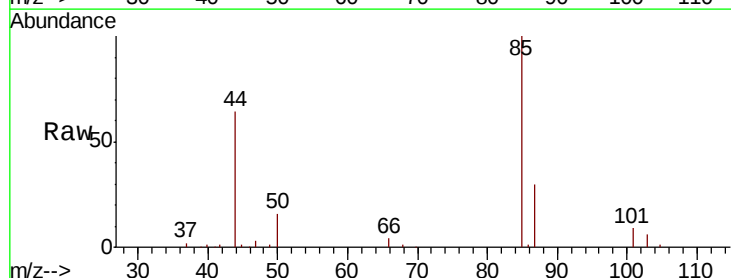
Acq: 11 May 2019 11:55

Tgt Ion: 85 Resp: 165275

Ion Ratio Lower Upper

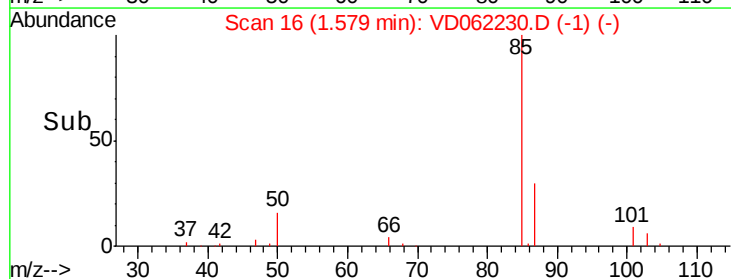
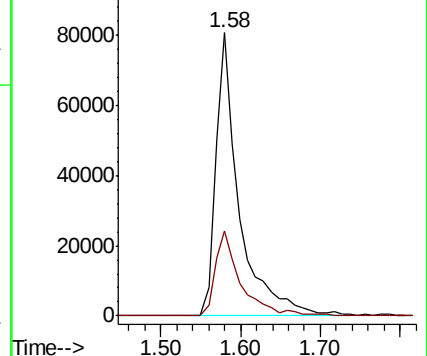
85 100

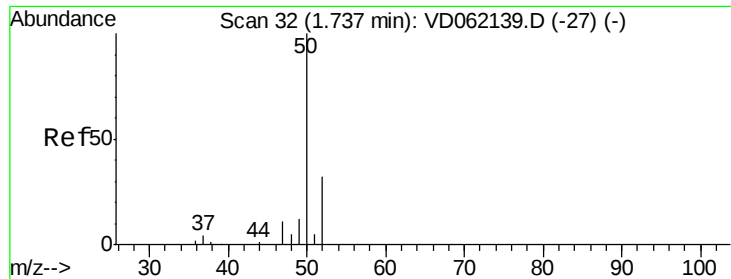
87 30.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V





#3

Chloromethane

Concen: 19.286 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

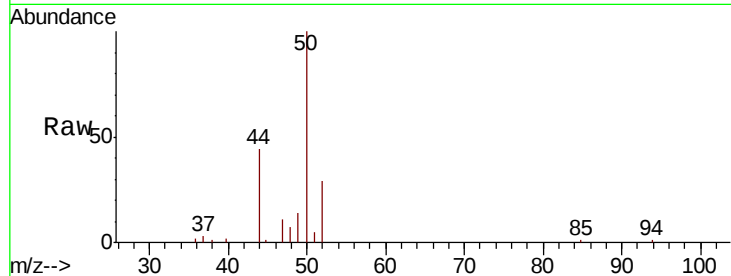
VD0511SBS01

Tot Ion: 50 Resp: 111186

Ion Ratio Lower Upper

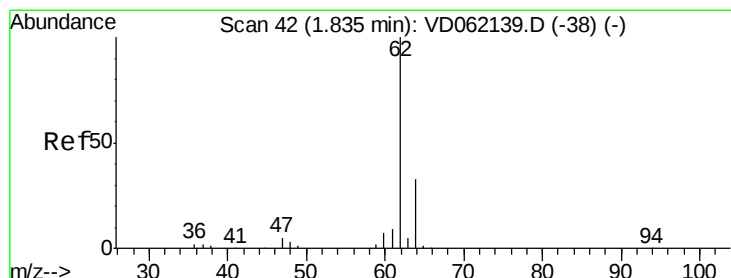
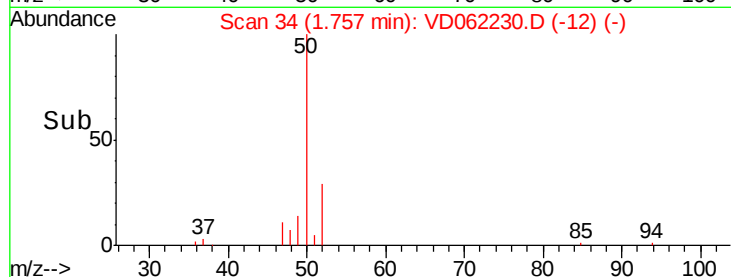
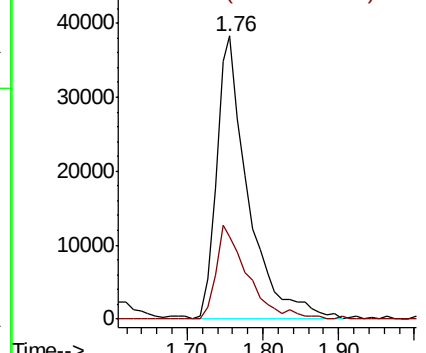
50 100

52 29.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.689 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062230.D

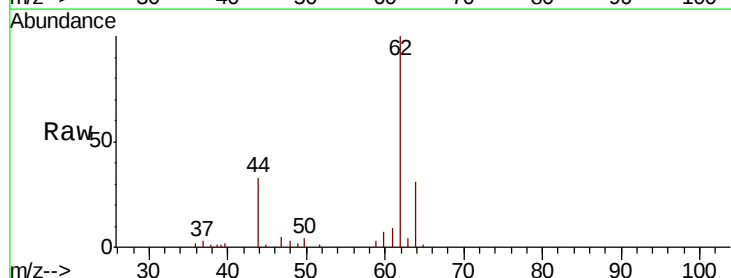
Acq: 11 May 2019 11:55

Tgt Ion: 62 Resp: 111552

Ion Ratio Lower Upper

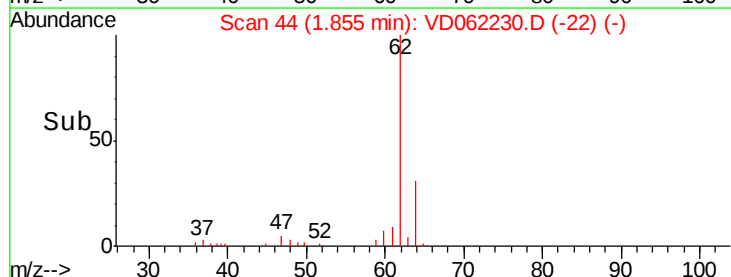
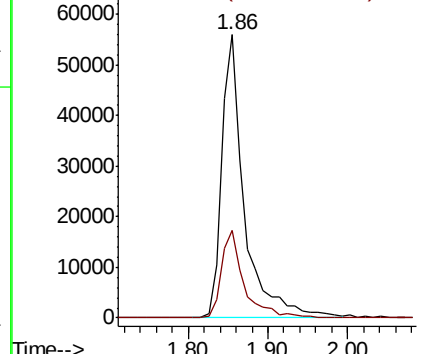
62 100

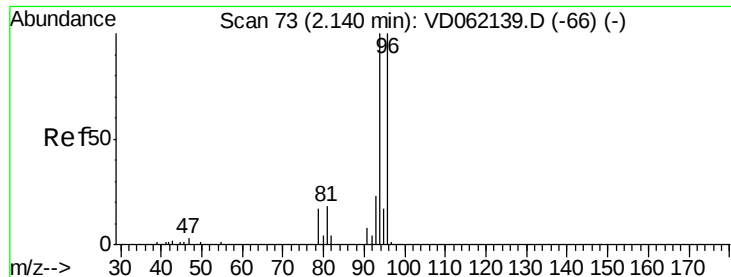
64 30.9 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 25.633 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

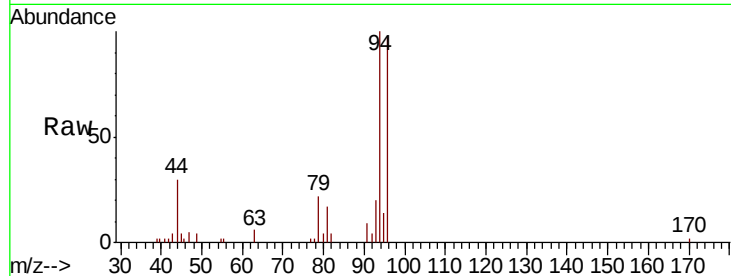
Tot Ion: 94 Resp: 34030

Ion Ratio Lower Upper

94 100

96 96.7 76.6 115.0

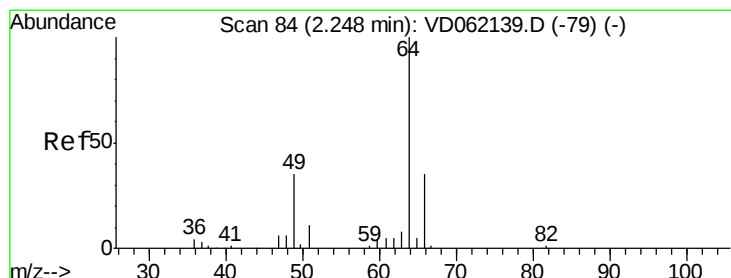
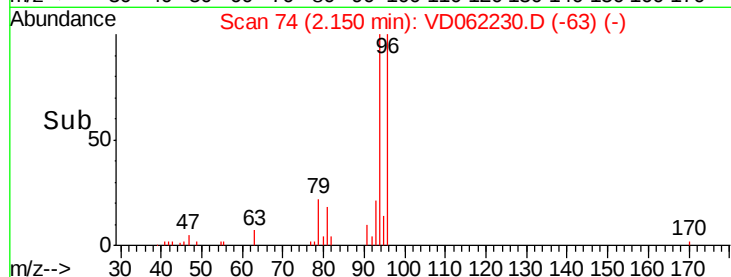
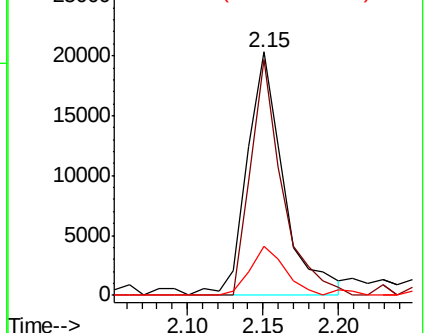
93 20.3 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 21.571 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062230.D

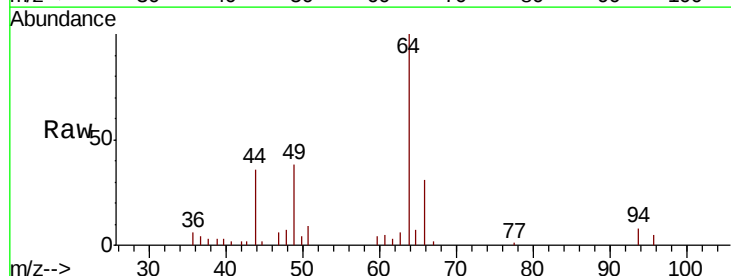
Acq: 11 May 2019 11:55

Tgt Ion: 64 Resp: 51284

Ion Ratio Lower Upper

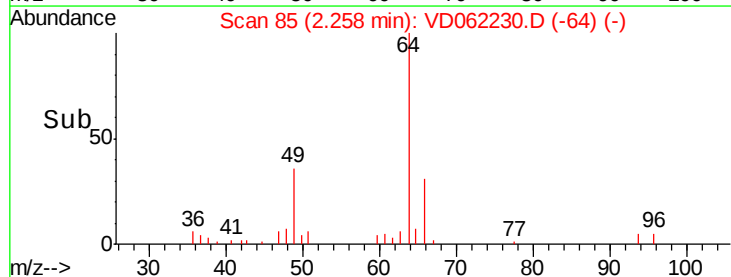
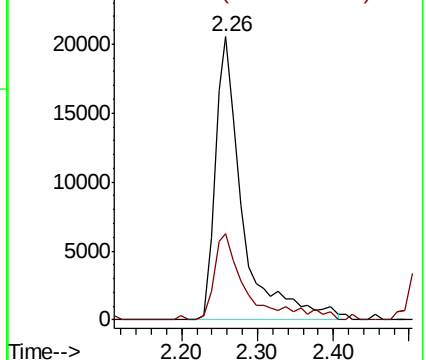
64 100

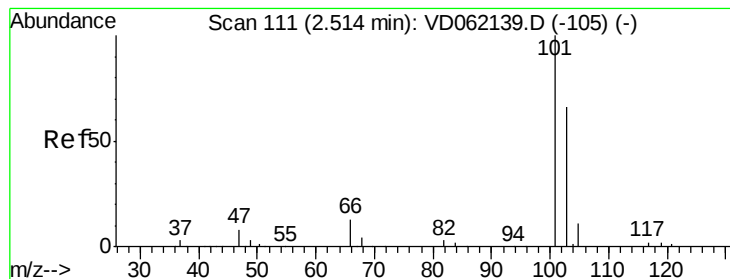
66 30.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



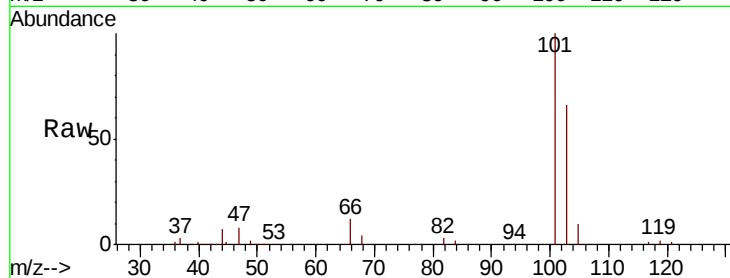


#7

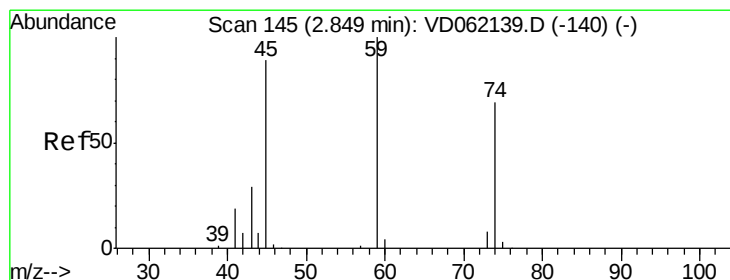
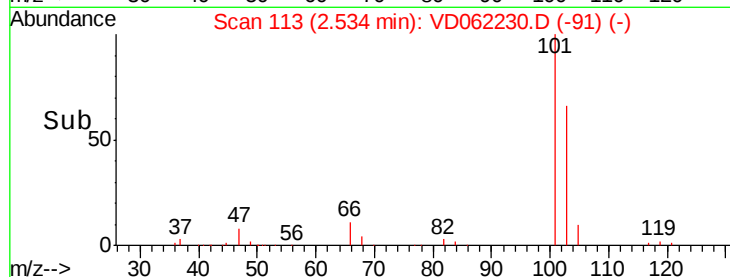
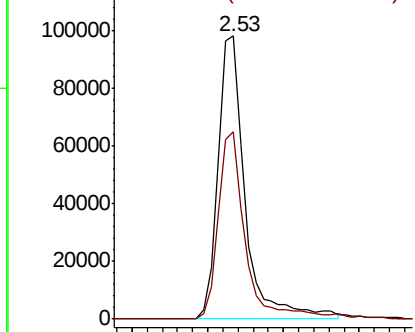
Trichlorofluoromethane
 Concen: 22.344 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBS01

Tot Ion:101 Resp: 246123
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.6 80.4



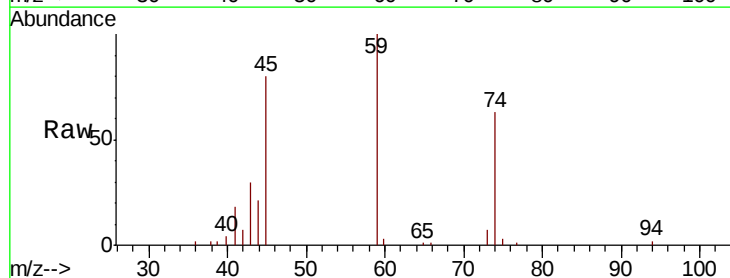
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



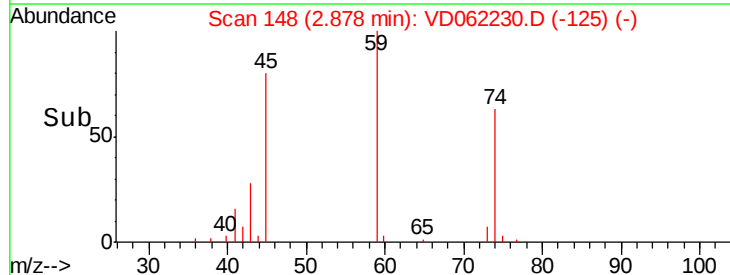
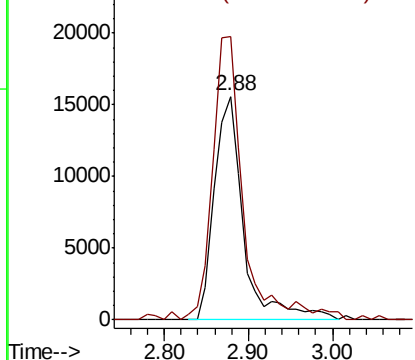
#8

Diethyl Ether
 Concen: 17.590 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Tgt Ion: 74 Resp: 37367
 Ion Ratio Lower Upper
 74 100
 45 126.5 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.718 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

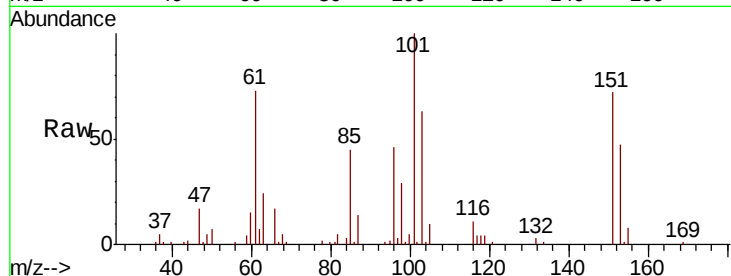
Tot Ion:101 Resp: 189300

Ion Ratio Lower Upper

101 100

85 45.3 32.4 48.6

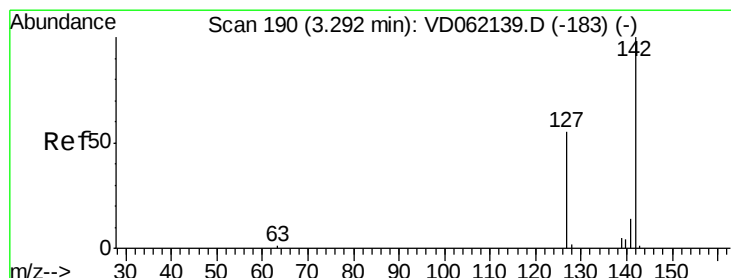
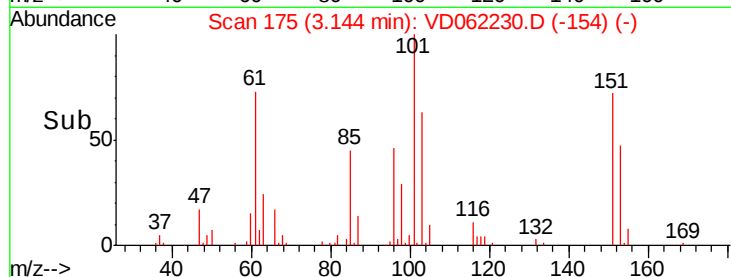
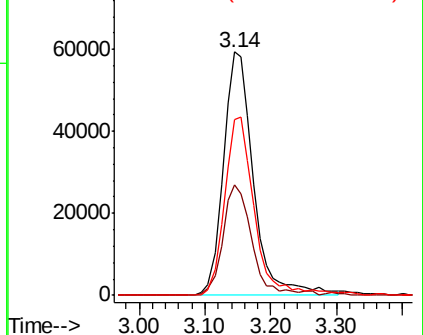
151 71.9 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.202 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

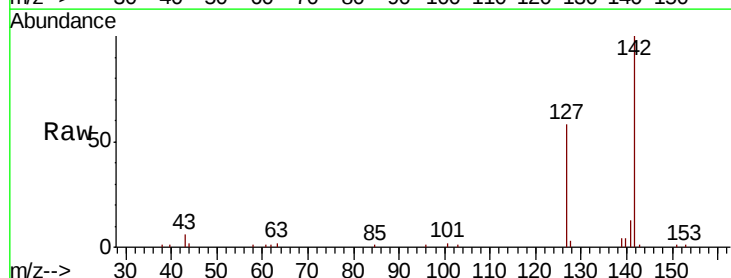
Tgt Ion:142 Resp: 204043

Ion Ratio Lower Upper

142 100

127 58.3 38.8 58.2#

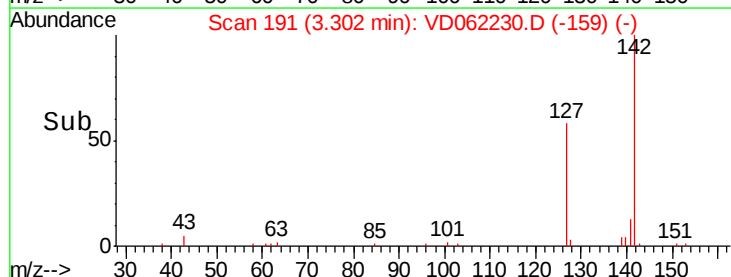
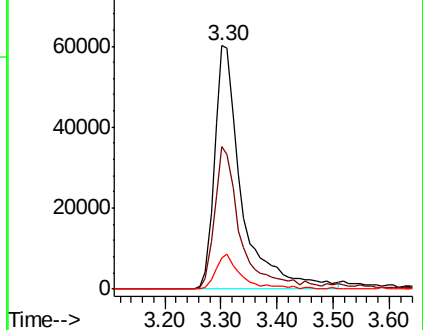
141 12.7 11.4 17.0



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

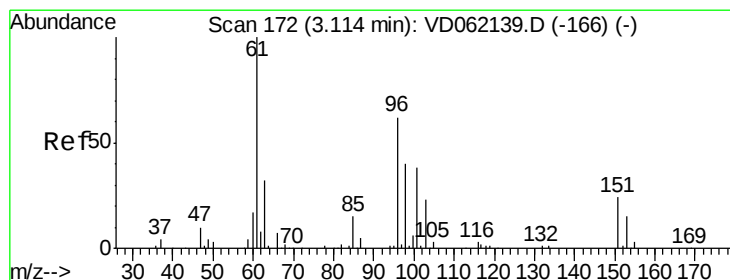
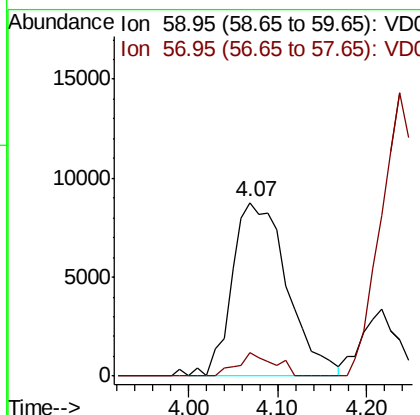
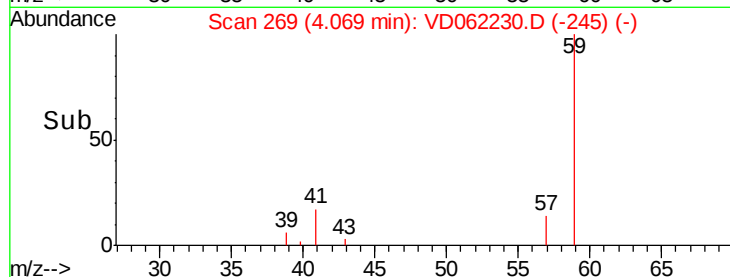
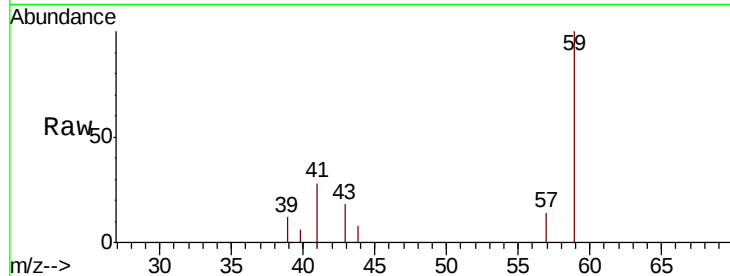




#11
Tert butyl alcohol
Concen: 95.008 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.04 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

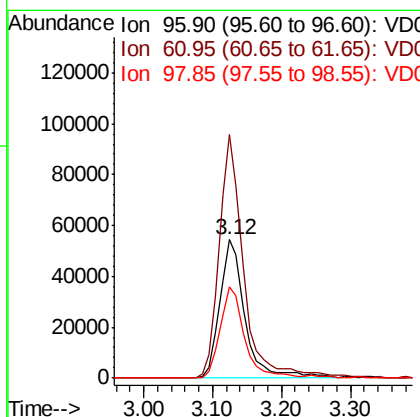
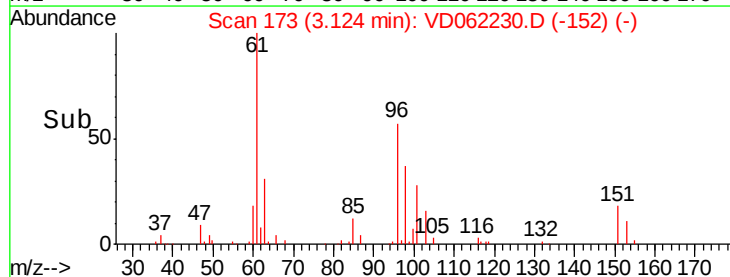
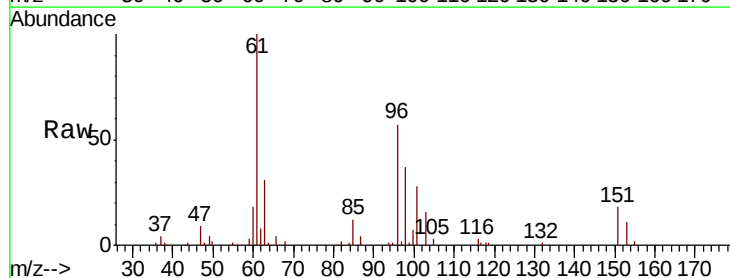
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

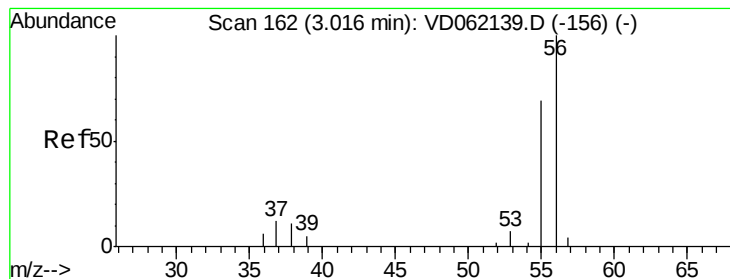
Tot Ion: 59 Resp: 37596
Ion Ratio Lower Upper
59 100
57 13.7 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 21.619 ug/l
RT: 3.12 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion: 96 Resp: 137512
Ion Ratio Lower Upper
96 100
61 176.4 129.8 194.8
98 66.0 51.2 76.8





#13

Acrolein

Concen: 96.641 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

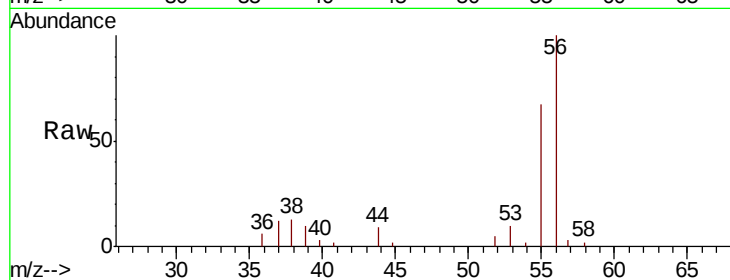
VD0511SBS01

Tot Ion: 56 Resp: 39554

Ion Ratio Lower Upper

56 100

55 67.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

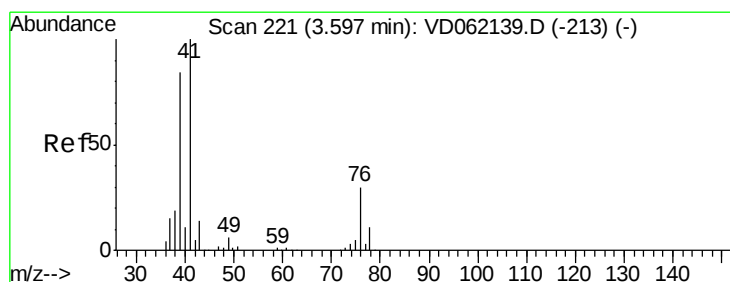
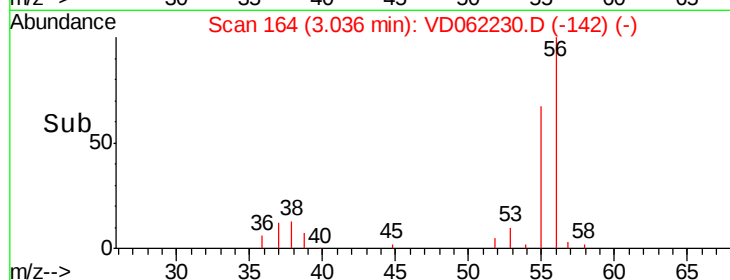
10000

5000

0

Time--> 2.90 3.00 3.10 3.20

3.04



#14

Allyl chloride

Concen: 19.818 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

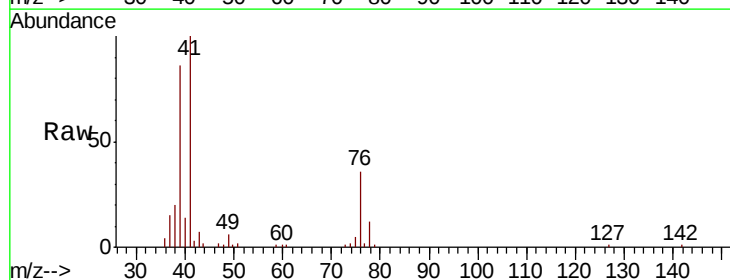
Tgt Ion: 41 Resp: 183286

Ion Ratio Lower Upper

41 100

39 86.1 60.5 90.7

76 35.9 31.8 47.8



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

80000

60000

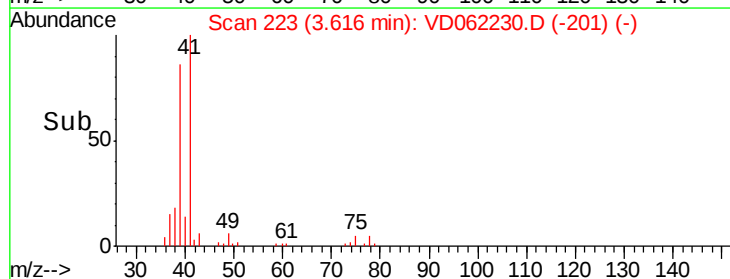
40000

20000

0

Time--> 3.50 3.60 3.70 3.80

3.62





#15

Acrylonitrile

Concen: 98.259 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

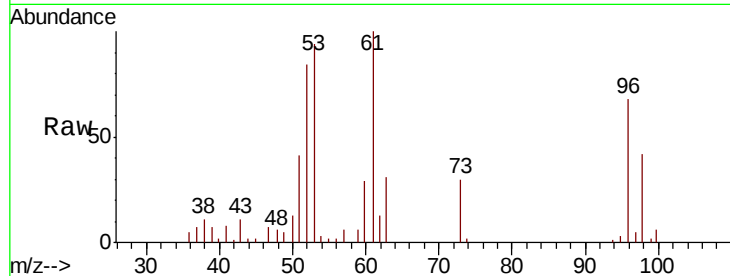
Tot Ion: 53 Resp: 102201

Ion Ratio Lower Upper

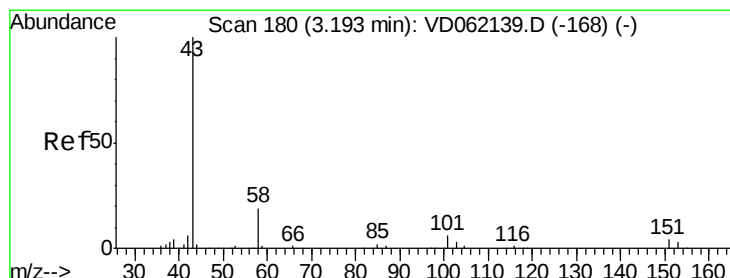
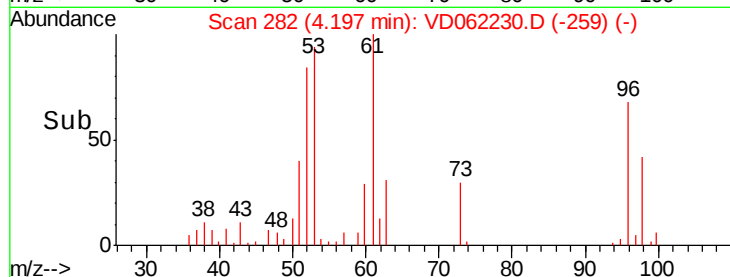
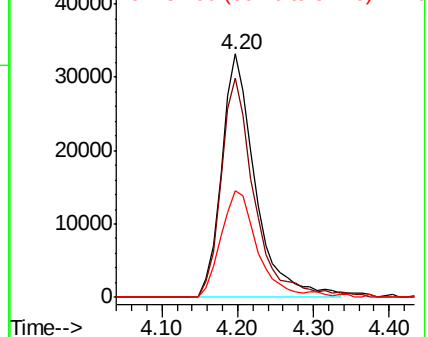
53 100

52 90.3 65.0 97.4

51 44.0 32.6 48.8



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



#16

Acetone

Concen: 114.819 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062230.D

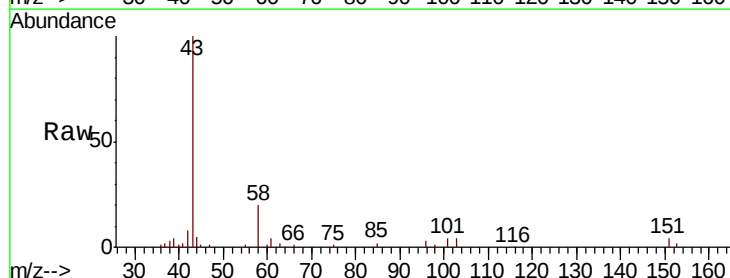
Acq: 11 May 2019 11:55

Tgt Ion: 43 Resp: 186667

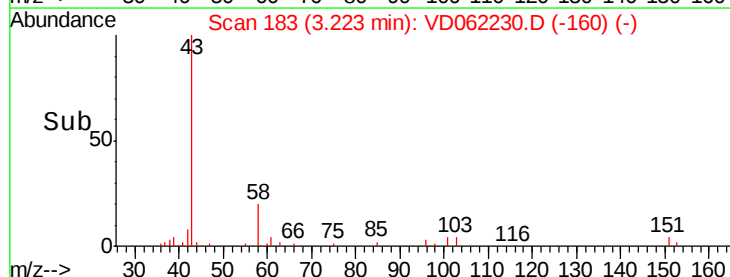
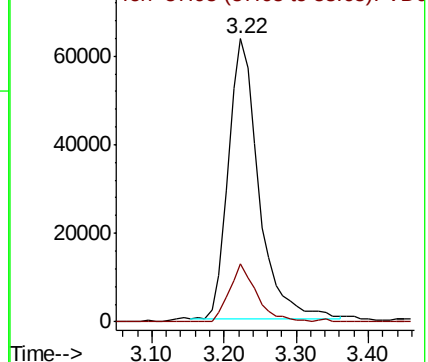
Ion Ratio Lower Upper

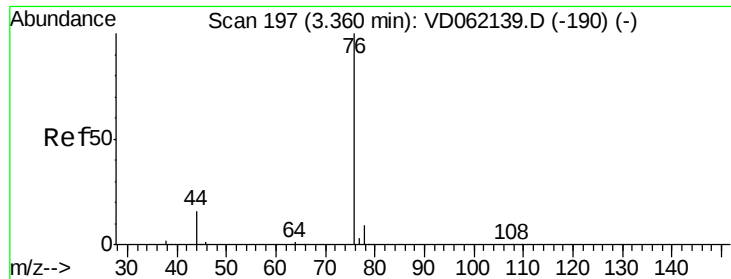
43 100

58 20.4 19.9 29.9



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

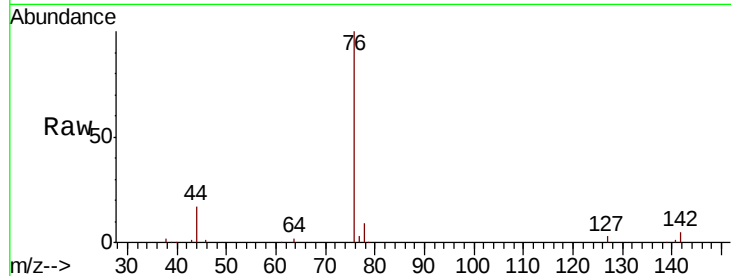




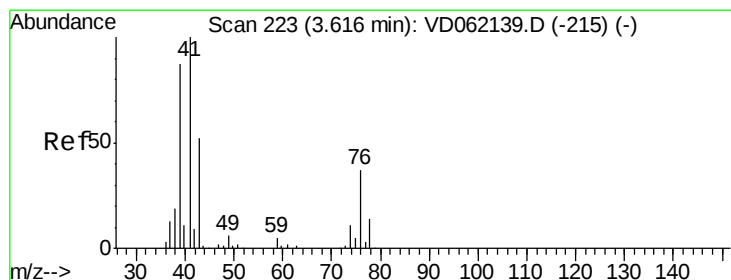
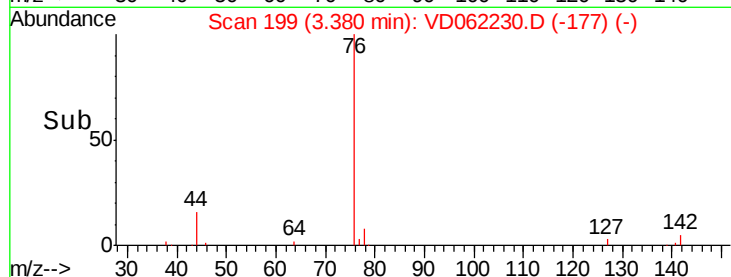
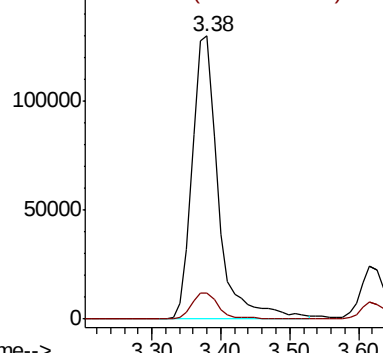
#17
Carbon Disulfide
Concen: 18.722 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tot Ion: 76 Resp: 342574
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

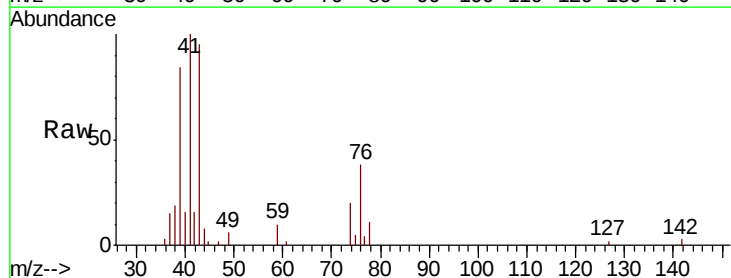


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

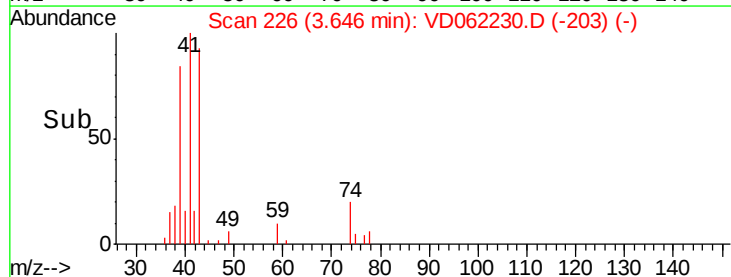
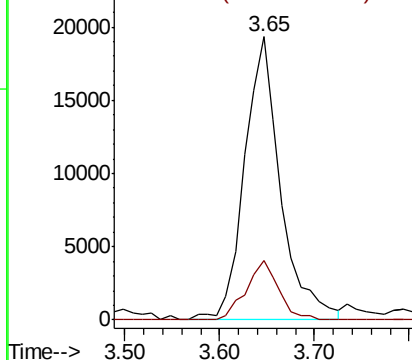


#18
Methyl Acetate
Concen: 17.386 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion: 43 Resp: 51129
Ion Ratio Lower Upper
43 100
74 21.1 18.0 27.0



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

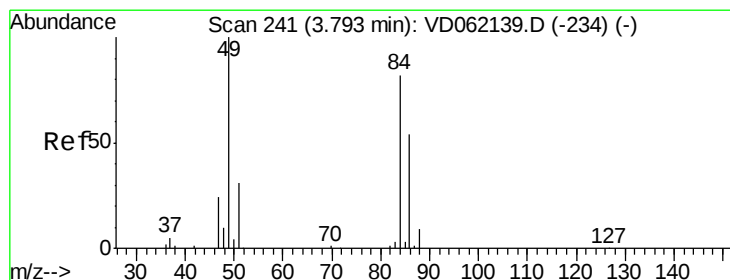
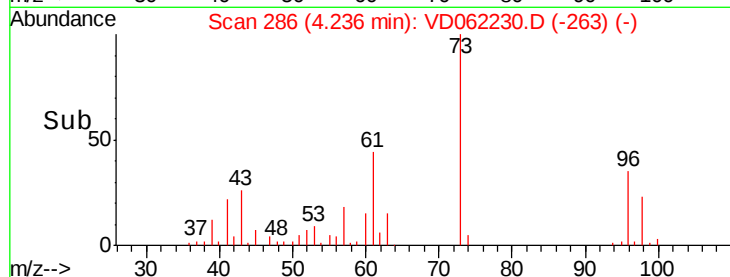
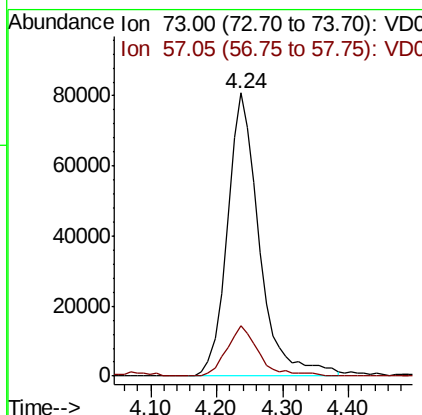
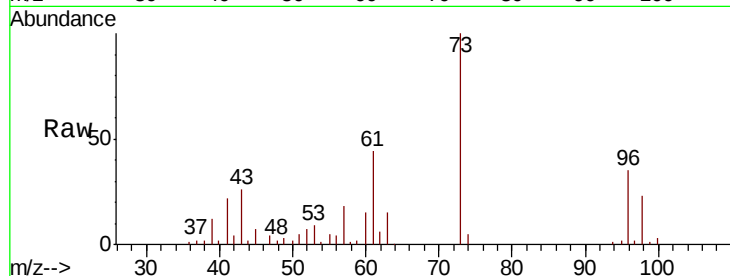




#19
Methvl tert-butvl Ether
Concen: 20.127 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.03 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

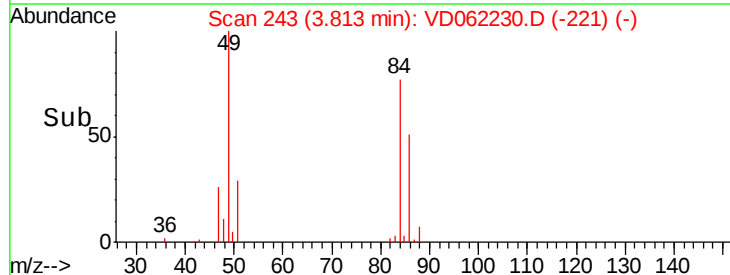
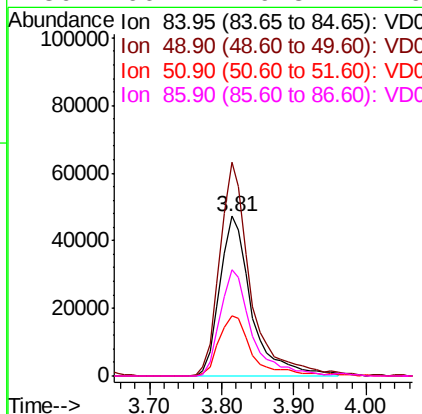
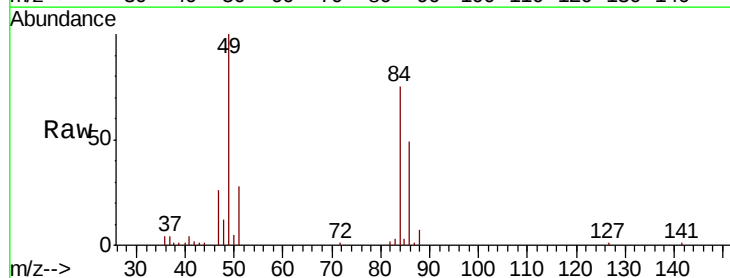
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tot Ion: 73 Resp: 274406
Ion Ratio Lower Upper
73 100
57 17.7 16.3 24.5



#20
Methylene Chloride
Concen: 21.244 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion: 84 Resp: 144204
Ion Ratio Lower Upper
84 100
49 133.7 94.0 141.0
51 38.0 29.0 43.4
86 66.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.119 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

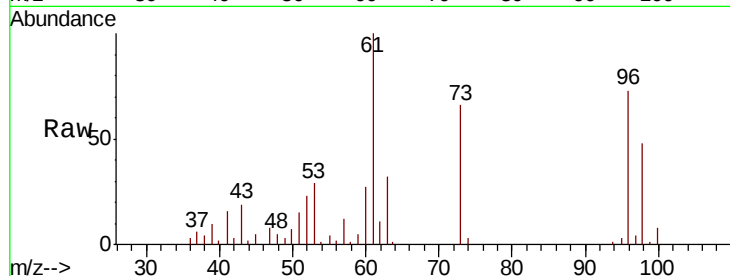
Tot Ion: 96 Resp: 142399

Ion Ratio Lower Upper

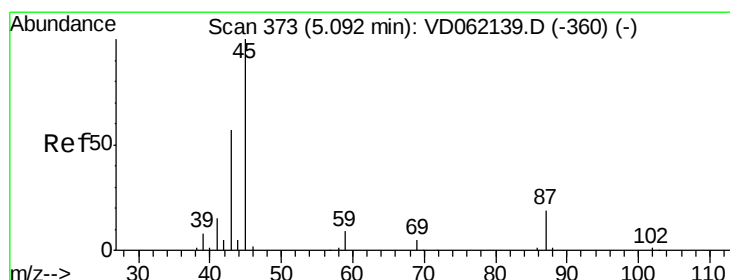
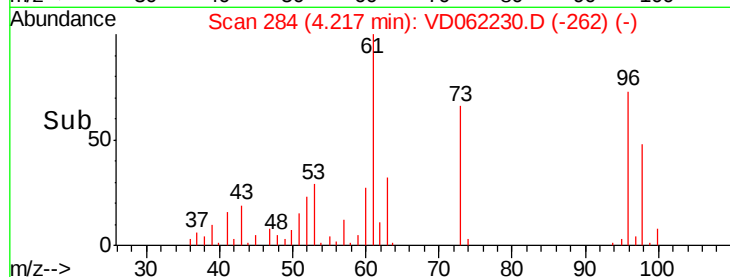
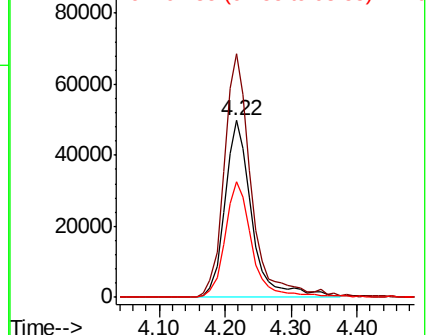
96 100

61 137.7 104.4 156.6

98 65.6 51.8 77.8



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



#22

Diisopropyl ether

Concen: 20.602 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Tgt Ion: 45 Resp: 405448

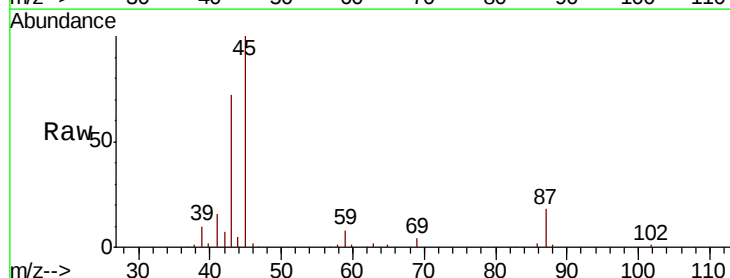
Ion Ratio Lower Upper

45 100

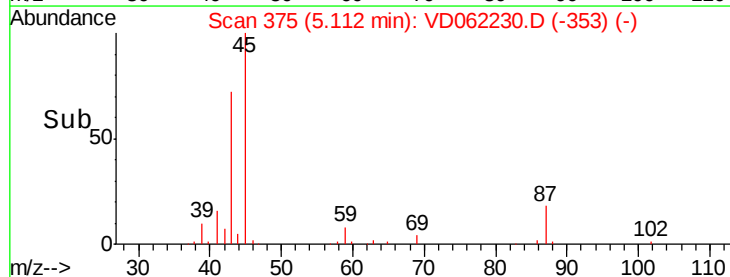
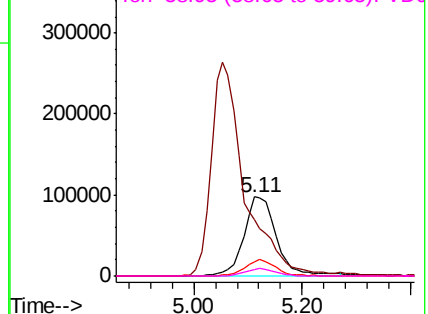
43 71.7 46.2 69.2#

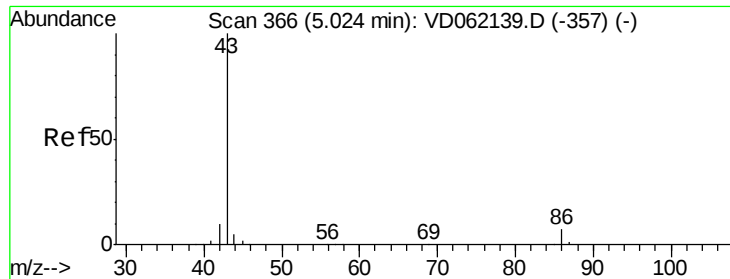
87 18.3 15.9 23.9

59 8.1 7.9 11.9



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





#23

Vinyl Acetate

Concen: 106.956 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

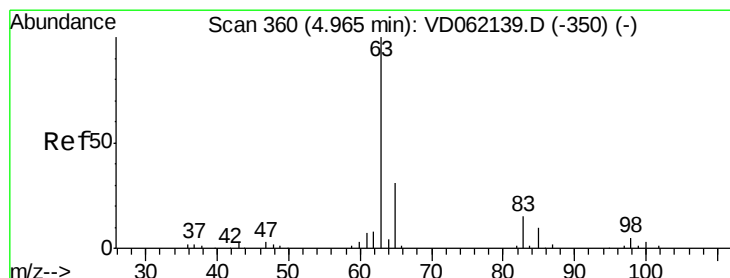
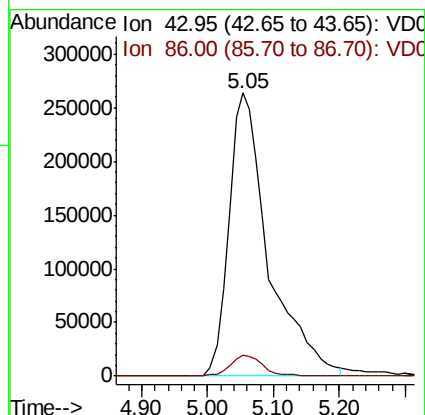
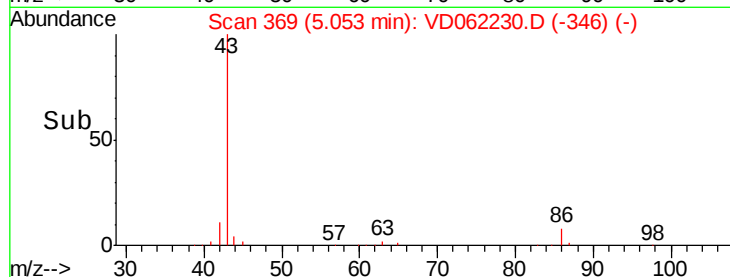
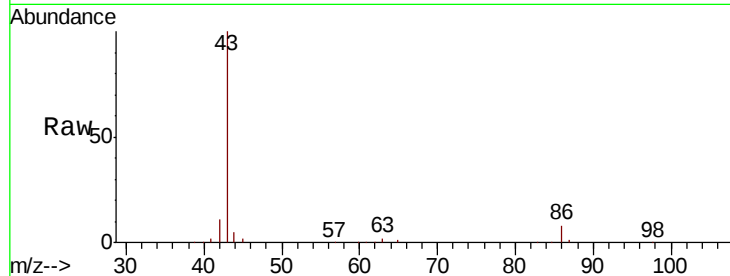
VD0511SBS01

Tot Ion: 43 Resp: 1110581

Ion Ratio Lower Upper

43 100

86 7.5 6.4 9.6



#24

1,1-Dichloroethane

Concen: 20.283 ug/l

RT: 4.98 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

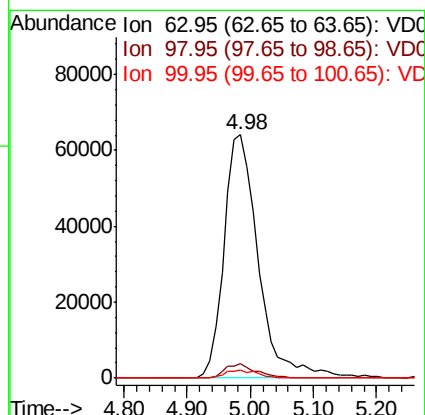
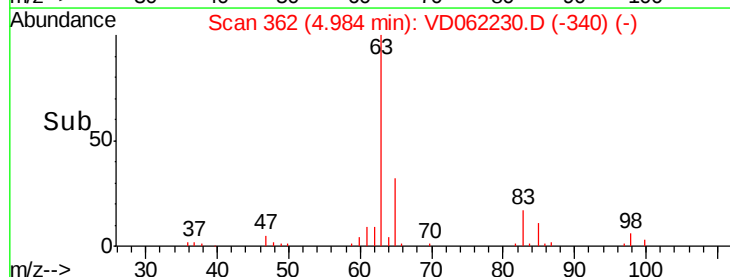
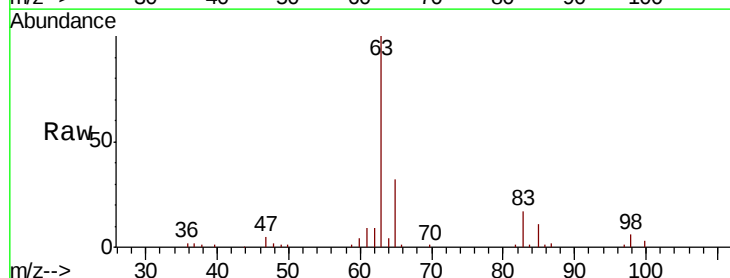
Tgt Ion: 63 Resp: 240813

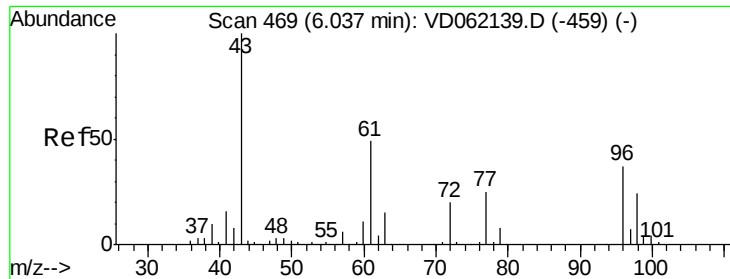
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.2 1.8 5.5

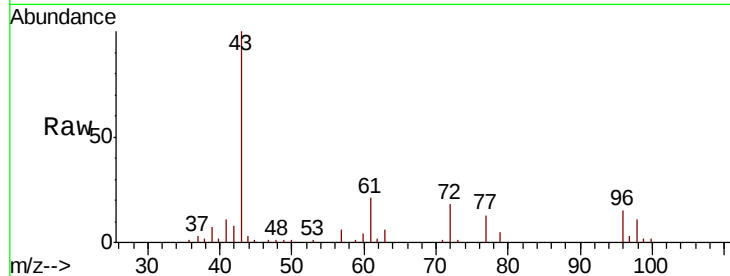




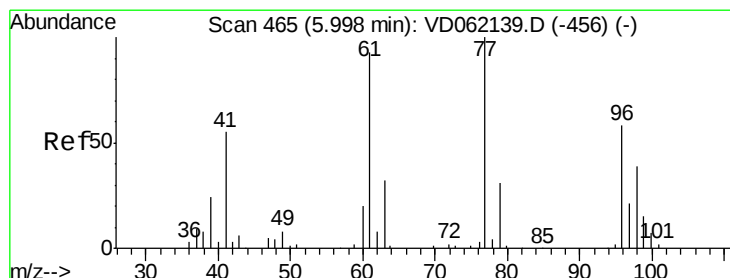
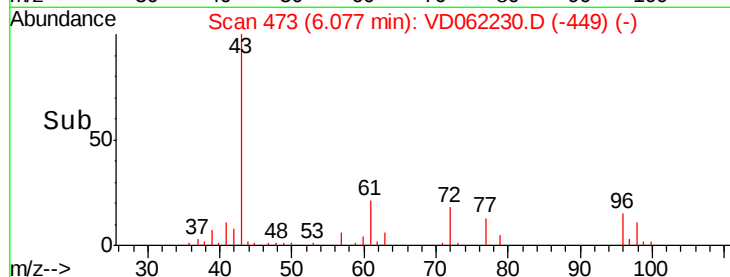
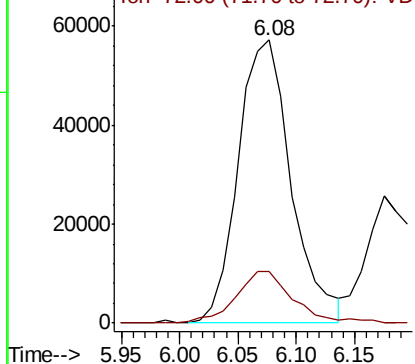
#25
2-Butanone
Concen: 101.776 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.04 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tot Ion: 43 Resp: 180479
Ion Ratio Lower Upper
43 100
72 18.4 16.2 24.4

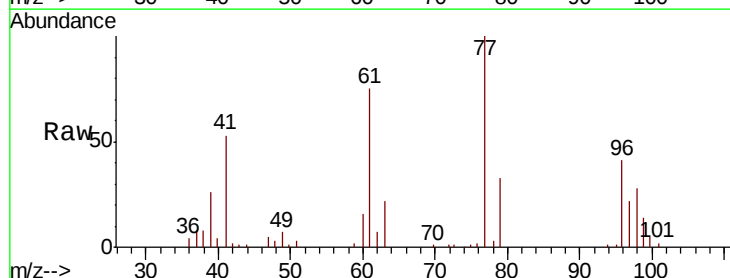


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

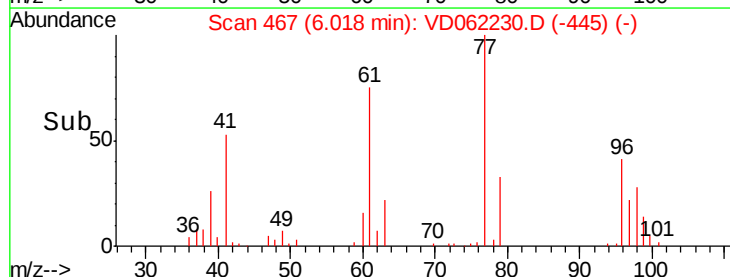
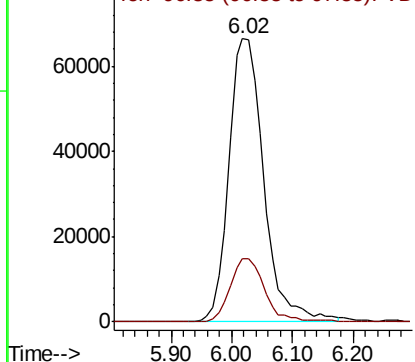


#26
2,2-Dichloropropane
Concen: 22.462 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion: 77 Resp: 265647
Ion Ratio Lower Upper
77 100
97 22.4 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



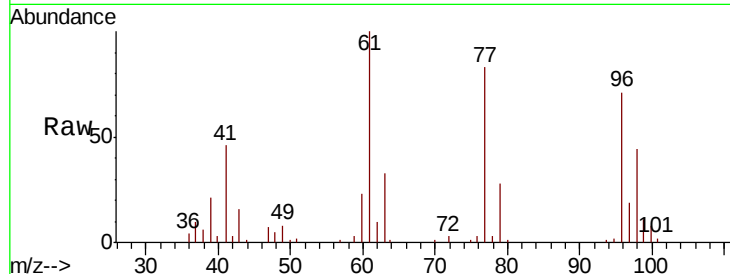


#27

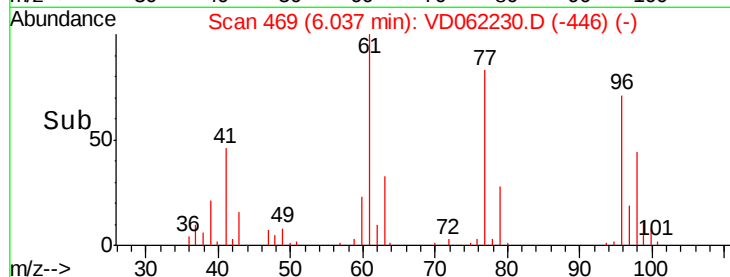
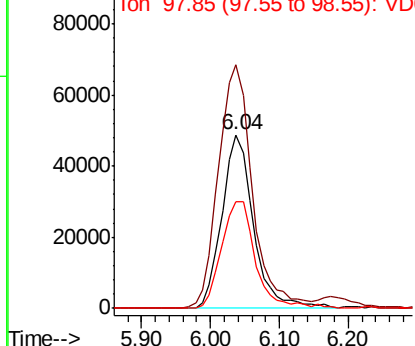
cis-1,2-Dichloroethene
Concen: 19.599 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.03 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tot Ion: 96 Resp: 155276
Ion Ratio Lower Upper
96 100
61 140.1 0.0 279.8
98 61.2 0.0 136.0



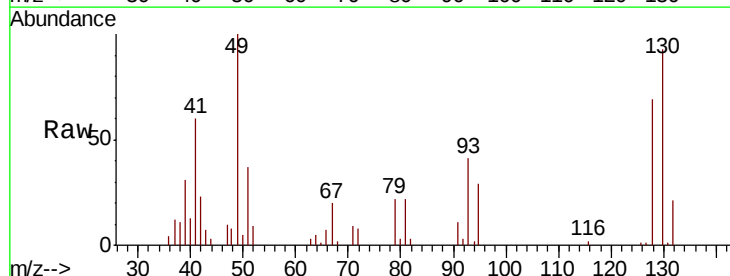
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



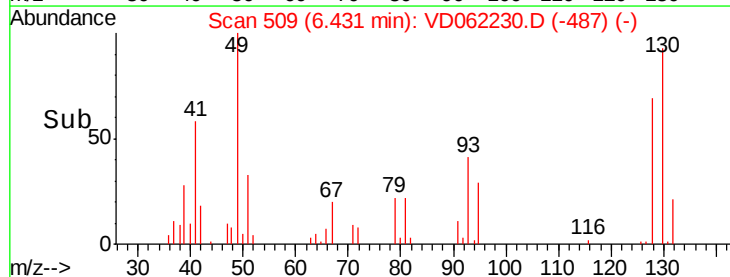
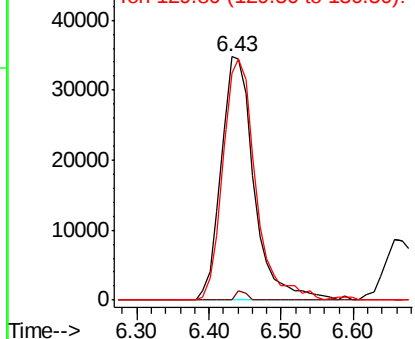
#28

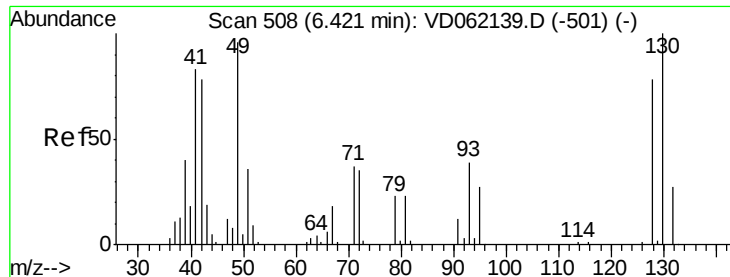
Bromochloromethane
Concen: 23.540 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion: 49 Resp: 109955
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 93.3 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 96.596 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.04 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

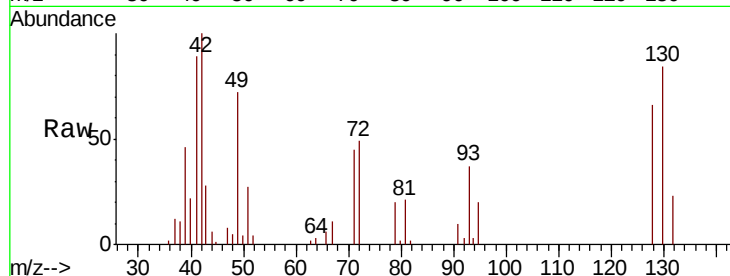
Tot Ion: 42 Resp: 78925

Ion Ratio Lower Upper

42 100

72 44.0 37.8 56.6

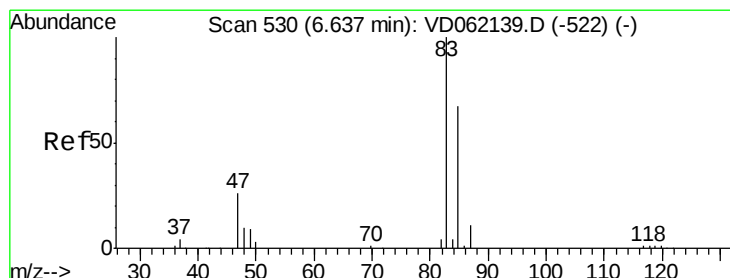
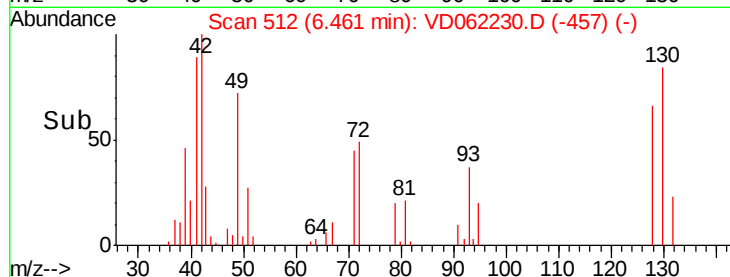
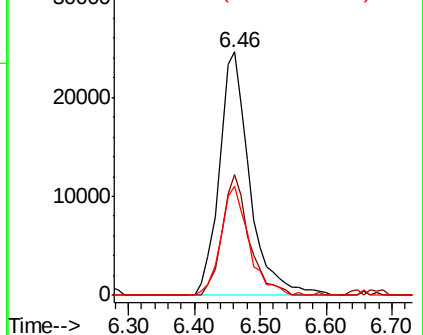
71 41.9 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.372 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.03 min

Lab File: VD062230.D

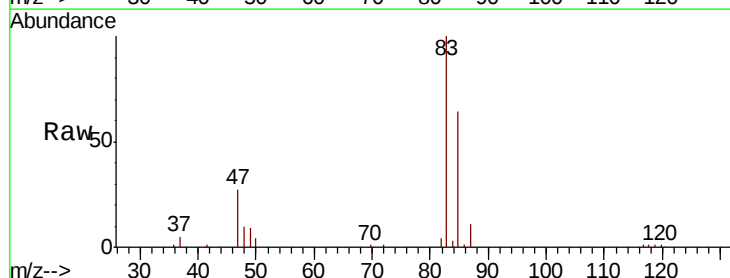
Acq: 11 May 2019 11:55

Tgt Ion: 83 Resp: 305800

Ion Ratio Lower Upper

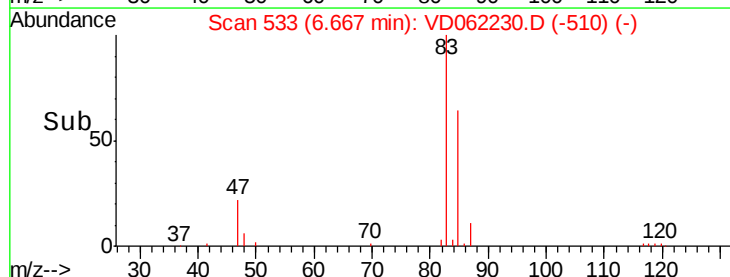
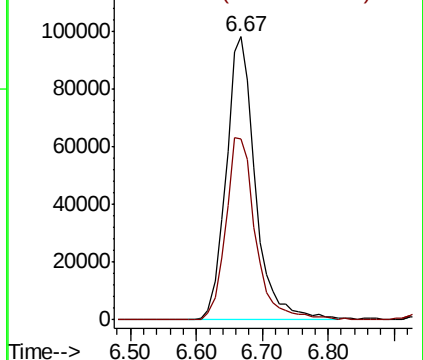
83 100

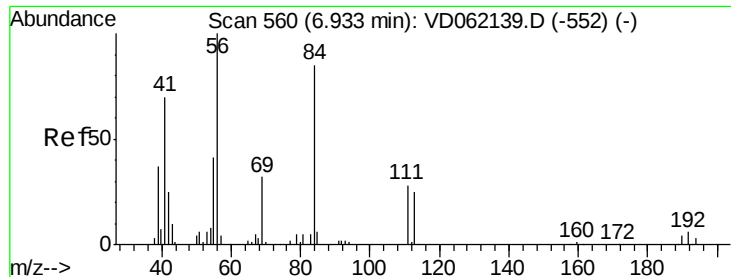
85 64.1 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

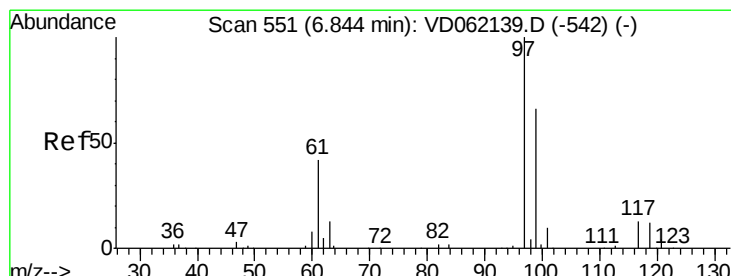
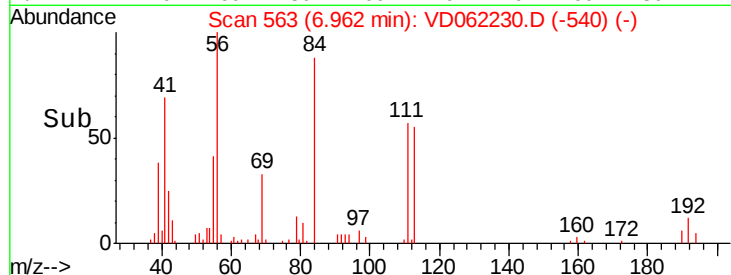
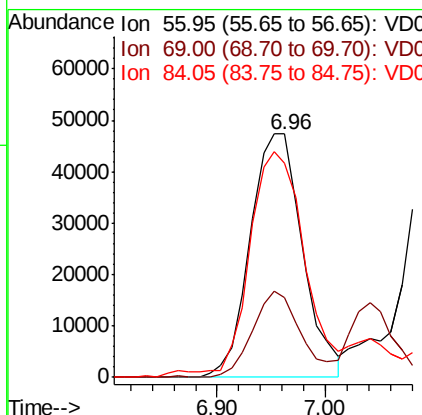
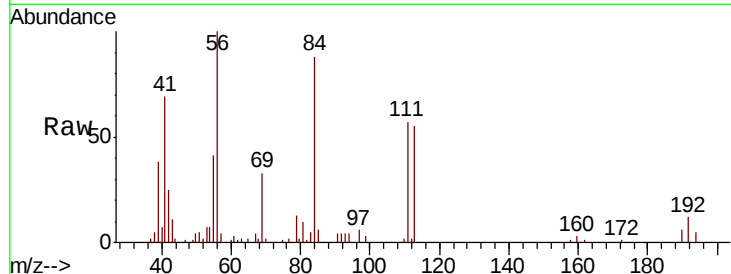




#31
Cvclohexane
Concen: 19.569 ug/l
RT: 6.96 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

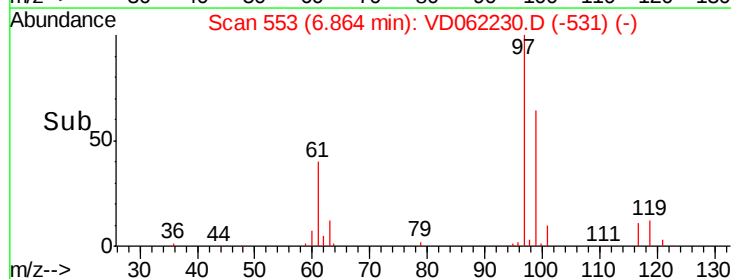
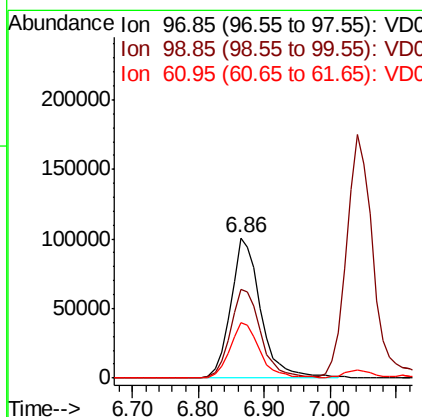
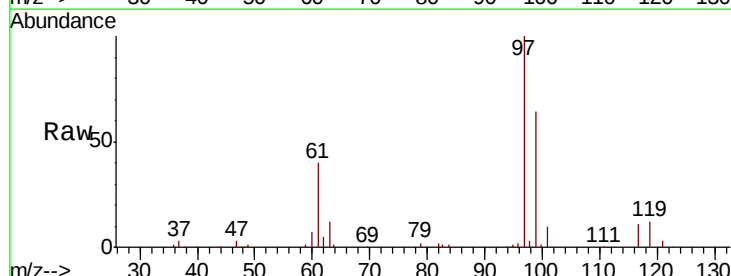
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

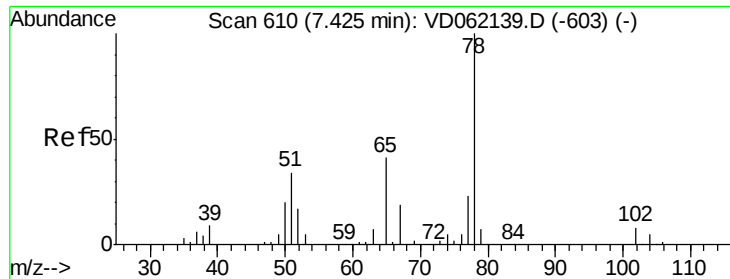
Tot Ion: 56 Resp: 159169
Ion Ratio Lower Upper
56 100
69 32.7 25.8 38.6
84 87.9 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 23.611 ug/l
RT: 6.86 min Scan# 553
Delta R.T. 0.02 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion: 97 Resp: 319314
Ion Ratio Lower Upper
97 100
99 63.5 52.2 78.2
61 39.5 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 46.060 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

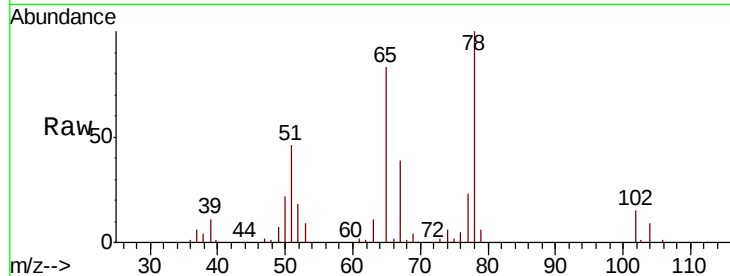
VD0511SBS01

Tot Ion: 65 Resp: 357076

Ion Ratio Lower Upper

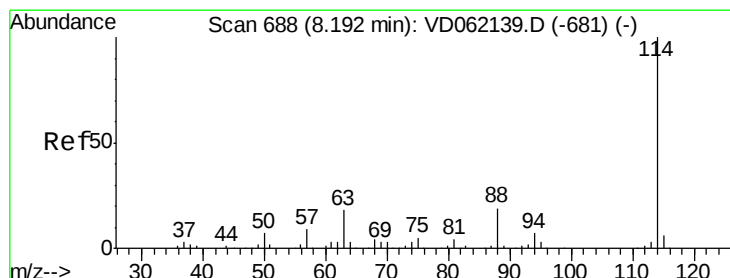
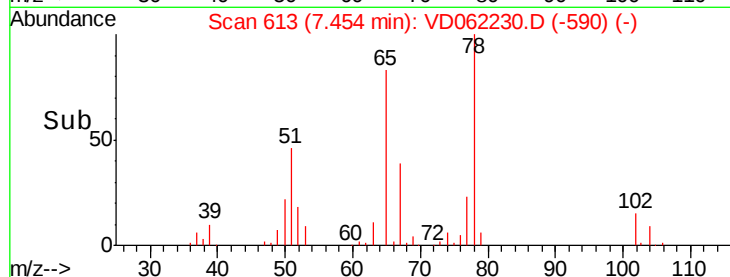
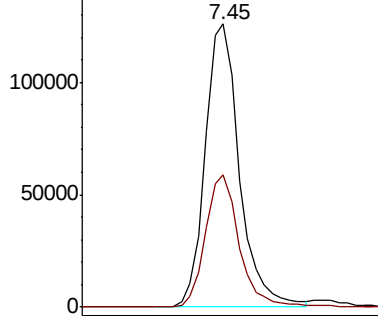
65 100

67 46.8 0.0 98.0



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: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

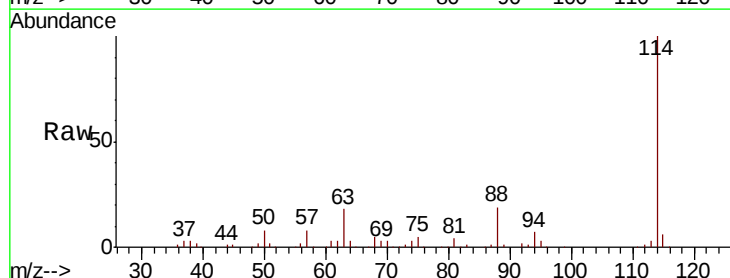
Tgt Ion: 114 Resp: 1140499

Ion Ratio Lower Upper

114 100

63 18.1 0.0 32.4

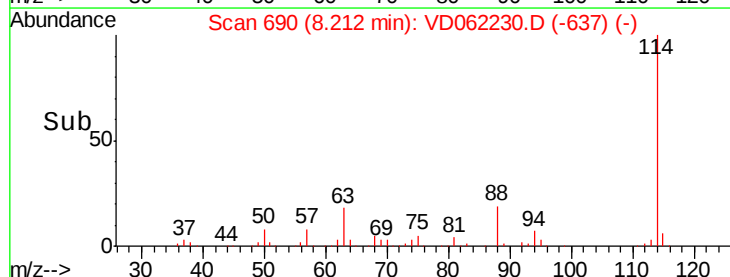
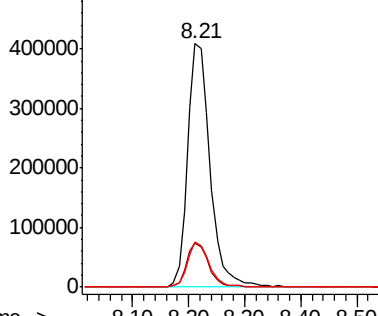
88 18.8 0.0 33.6

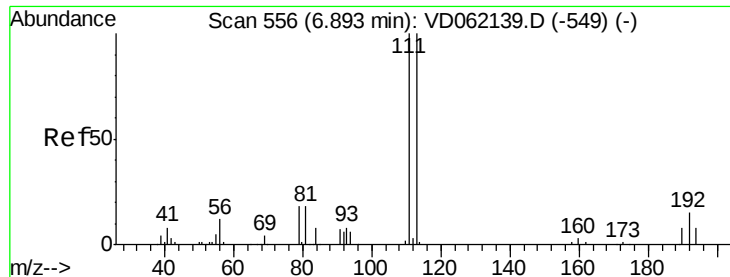


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 47.830 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

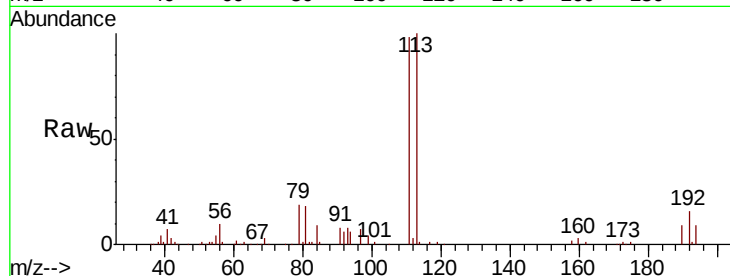
Tot Ion:113 Resp: 452610

Ion Ratio Lower Upper

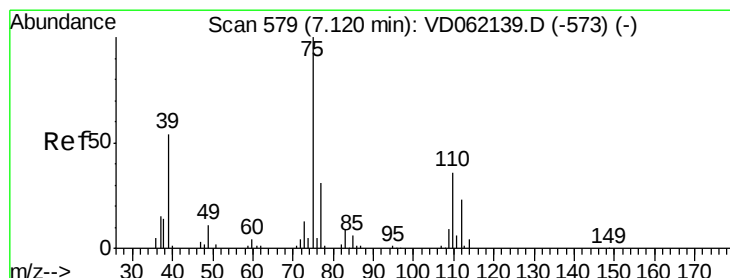
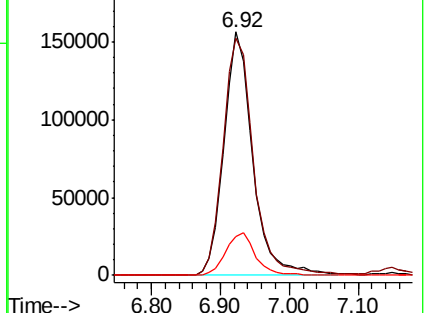
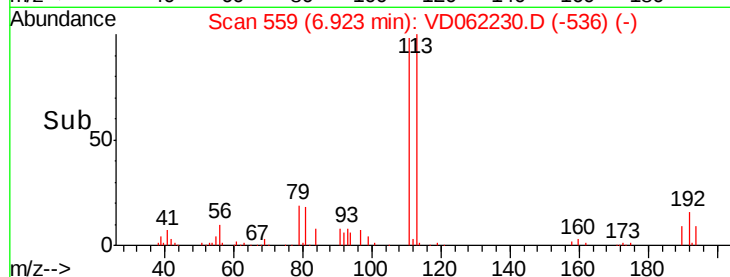
113 100

111 97.7 78.5 117.7

192 16.1 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 22.780 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

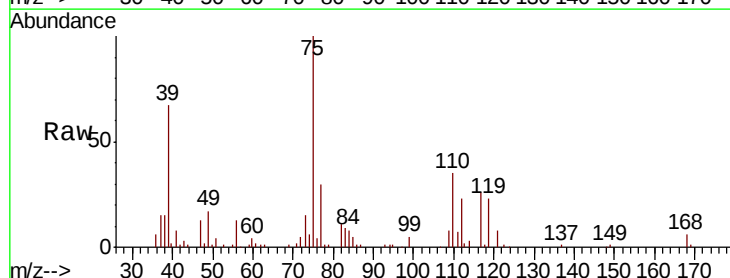
Tgt Ion: 75 Resp: 213018

Ion Ratio Lower Upper

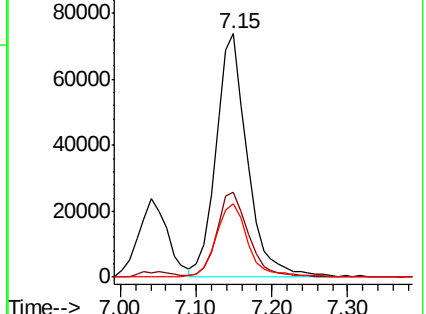
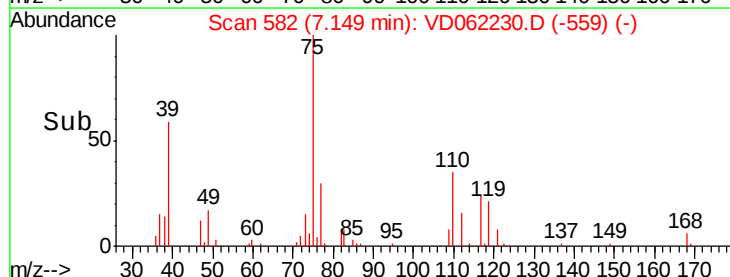
75 100

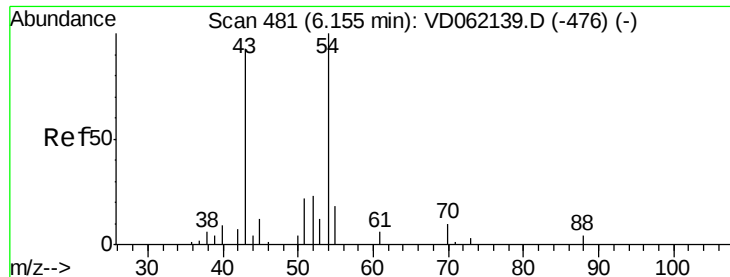
110 35.1 19.1 57.1

77 30.3 25.6 38.4



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





#37

Ethyl Acetate

Concen: 20.369 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

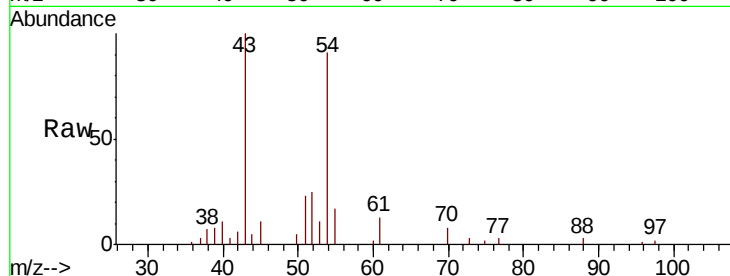
Tot Ion: 43 Resp: 80777

Ion Ratio Lower Upper

43 100

61 13.4 14.7 22.1#

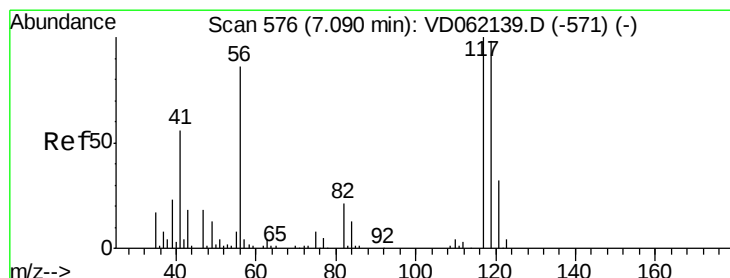
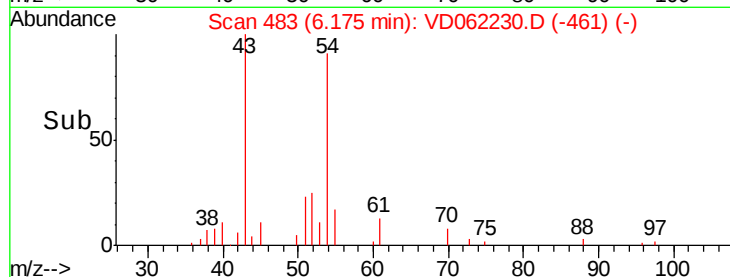
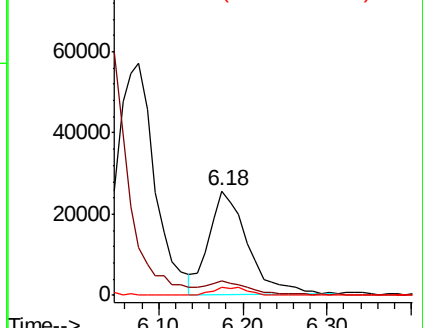
70 7.8 7.8 11.6



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: 22.863 ug/l

RT: 7.11 min Scan# 578

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

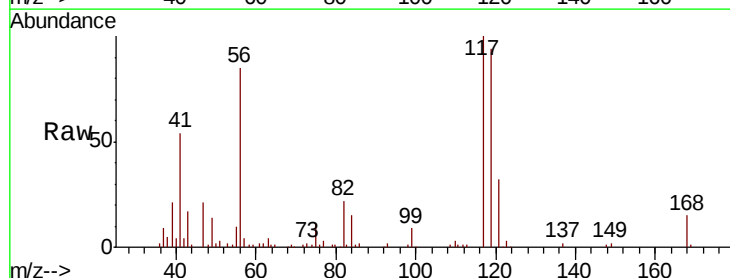
Tgt Ion: 117 Resp: 295912

Ion Ratio Lower Upper

117 100

119 94.4 75.8 113.8

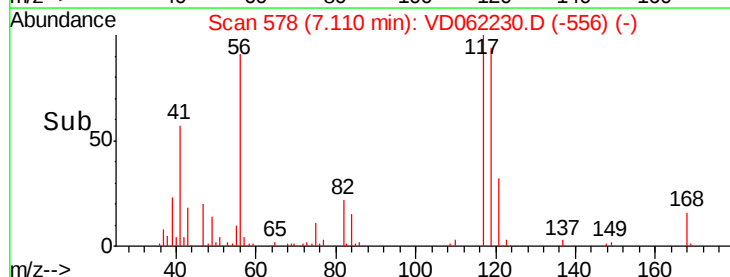
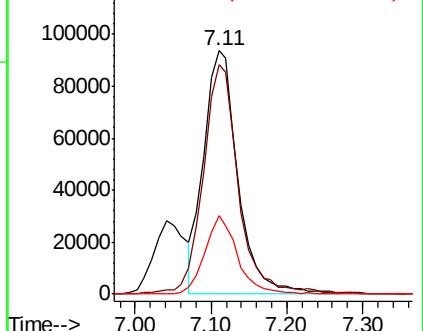
121 32.1 25.9 38.9

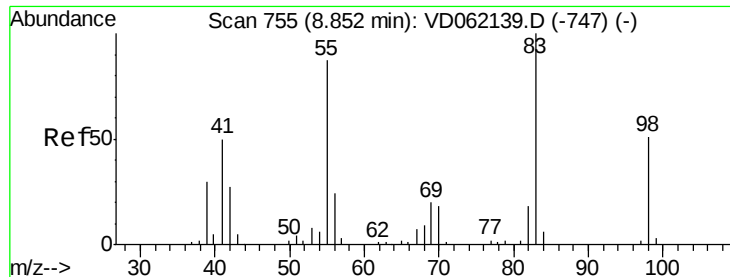


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

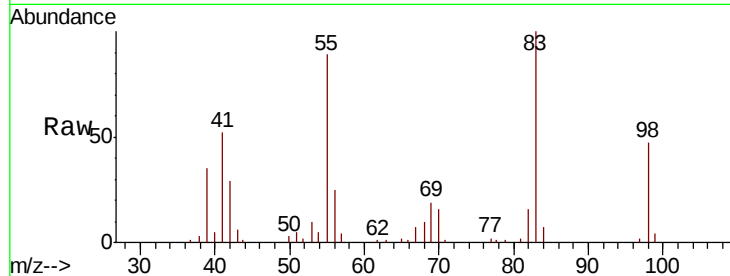




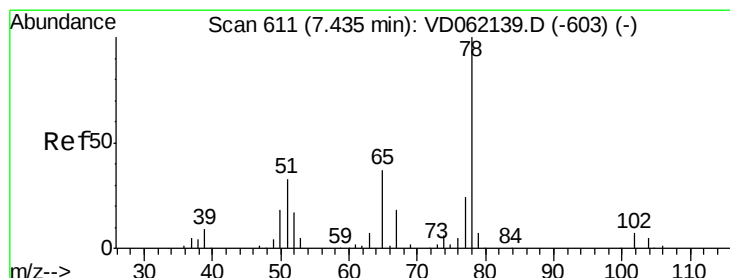
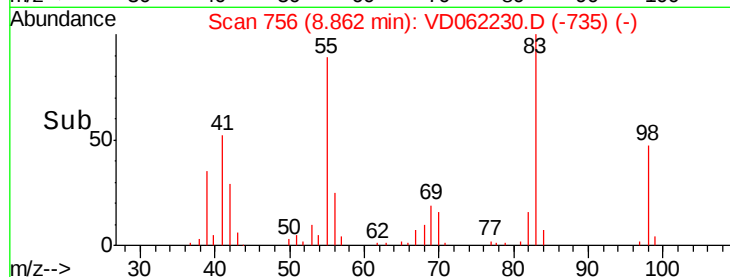
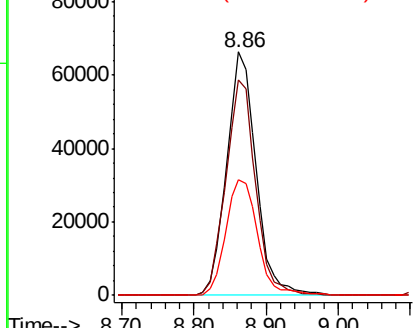
#39
Methvlcvclohexane
Concen: 20.988 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tot Ion: 83 Resp: 188036
Ion Ratio Lower Upper
83 100
55 88.7 68.2 102.4
98 47.4 38.2 57.4

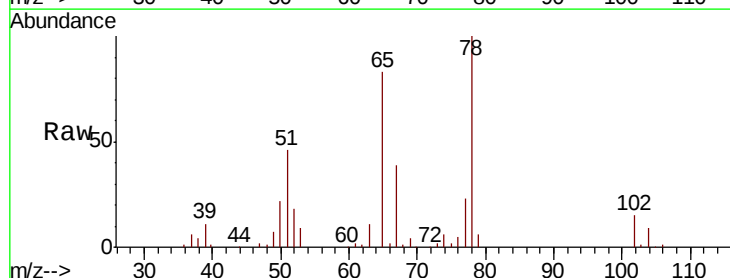


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

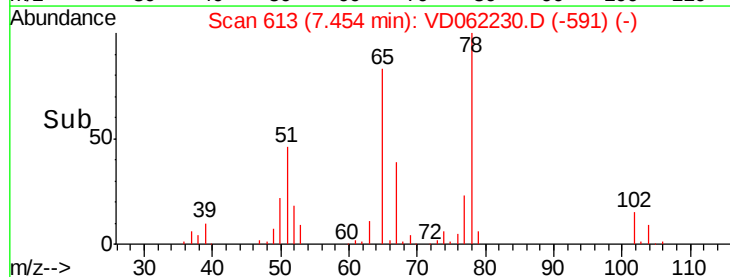
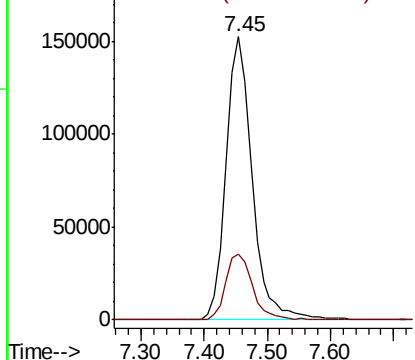


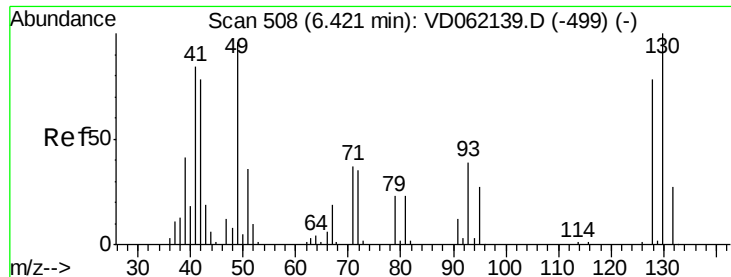
#40
Benzene
Concen: 20.715 ug/l
RT: 7.45 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion: 78 Resp: 437405
Ion Ratio Lower Upper
78 100
77 23.3 19.7 29.5



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

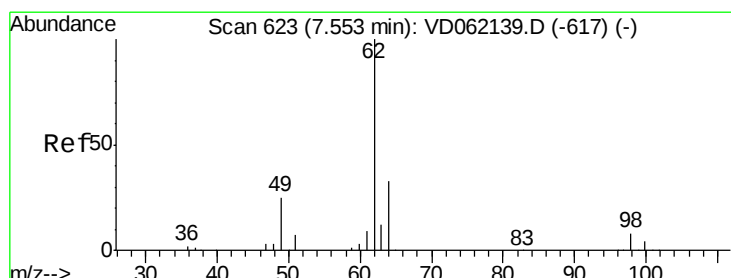
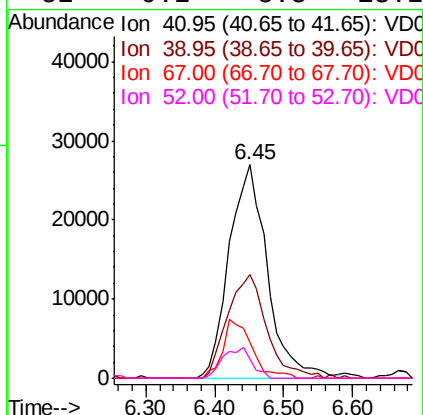
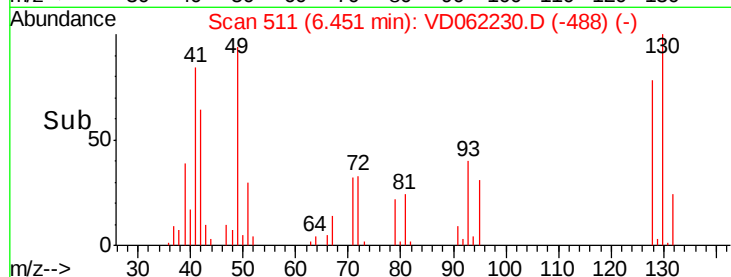
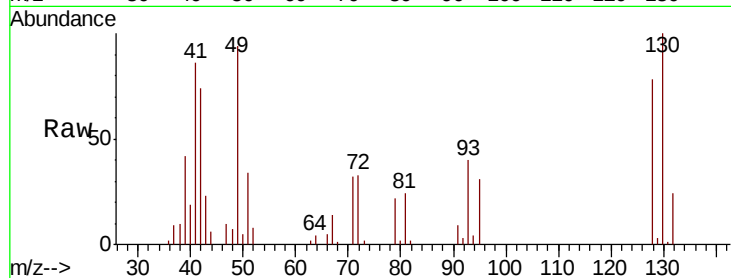




#41
Methacrylonitrile
Concen: 21.399 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

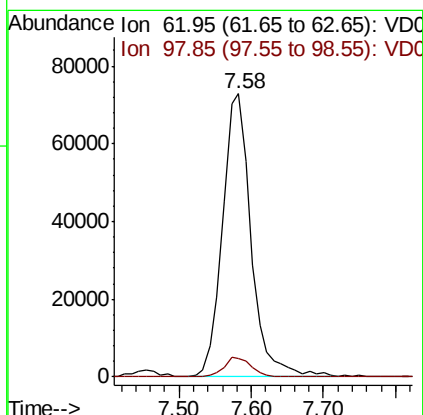
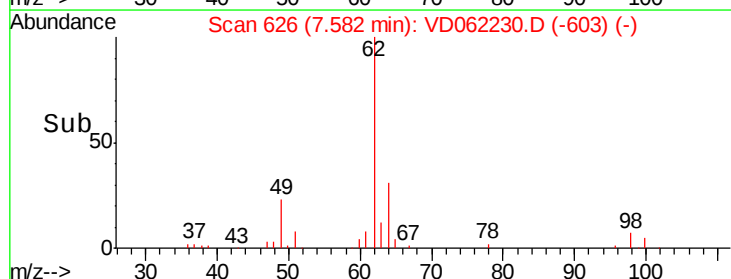
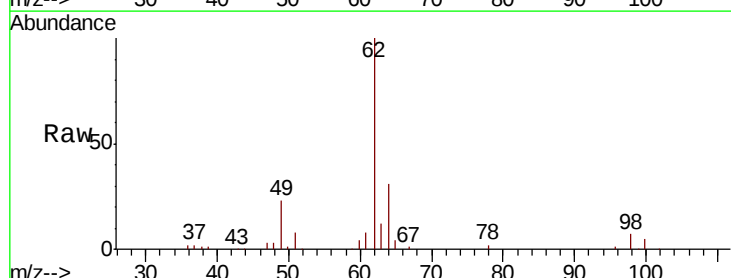
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tot Ion: 41 Resp: 103705
Ion Ratio Lower Upper
41 100
39 48.8 34.1 51.1
67 16.6 23.8 35.6#
52 9.2 8.8 13.2



#42
1,2-Dichloroethane
Concen: 22.379 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion: 62 Resp: 200213
Ion Ratio Lower Upper
62 100
98 6.7 0.0 17.8



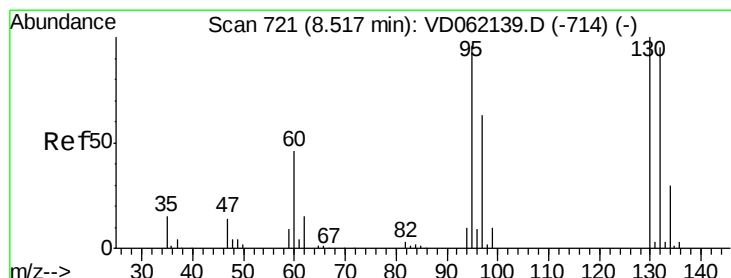
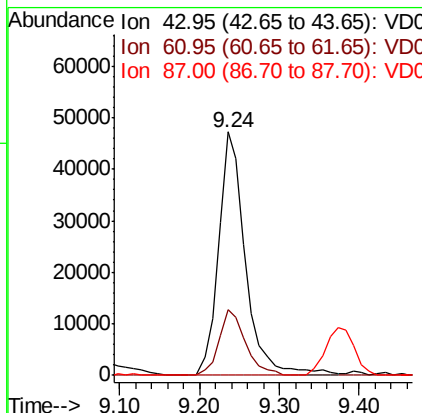
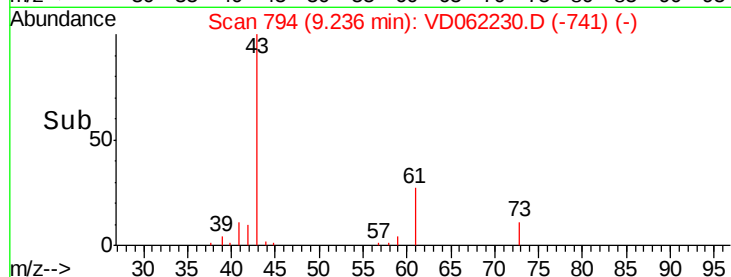
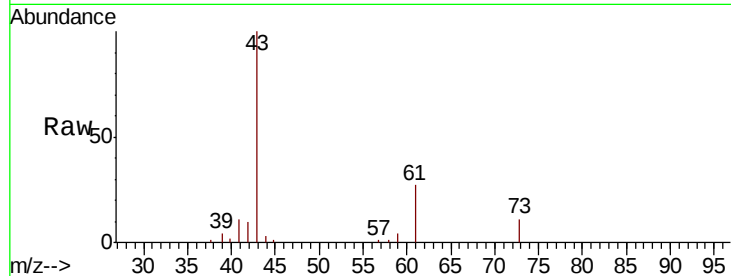


#43

Isopropyl Acetate
 Concen: 19.938 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBS01

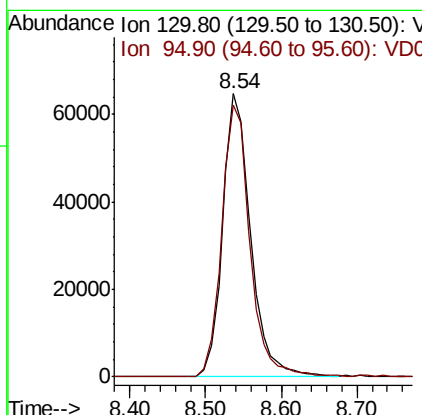
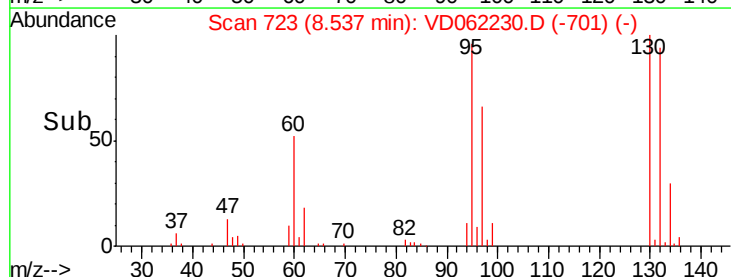
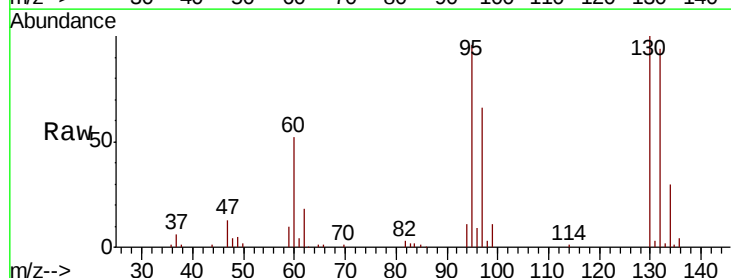
Tot Ion: 43 Resp: 112135
 Ion Ratio Lower Upper
 43 100
 61 26.9 25.1 37.7
 87 0.0 0.0 0.0



#44

Trichloroethene
 Concen: 20.519 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.02 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Tgt Ion: 130 Resp: 165101
 Ion Ratio Lower Upper
 130 100
 95 96.2 0.0 174.0





#45

1,2-Dichloropropane

Concen: 20.911 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

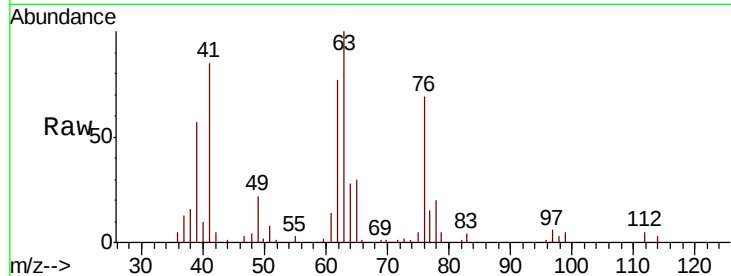
VD0511SBS01

Tot Ion: 63 Resp: 109219

Ion Ratio Lower Upper

63 100

65 29.6 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

40000

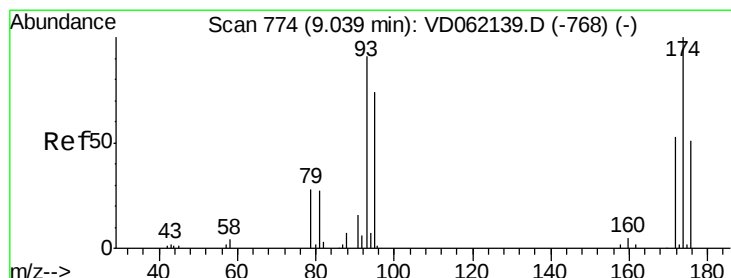
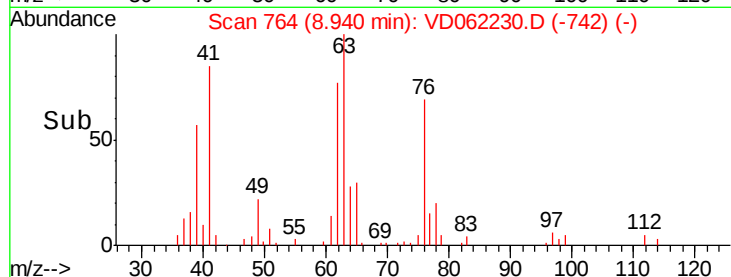
30000

20000

10000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 20.701 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

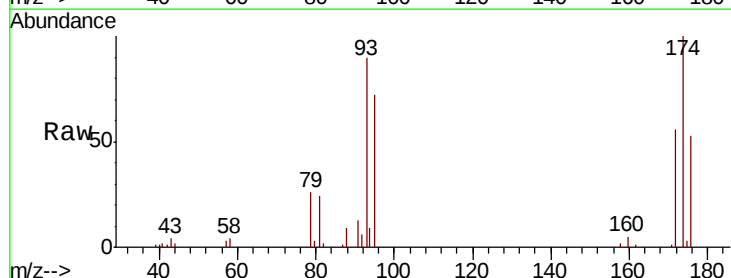
Tgt Ion: 93 Resp: 87921

Ion Ratio Lower Upper

93 100

95 80.1 64.8 97.2

174 111.6 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.07

40000

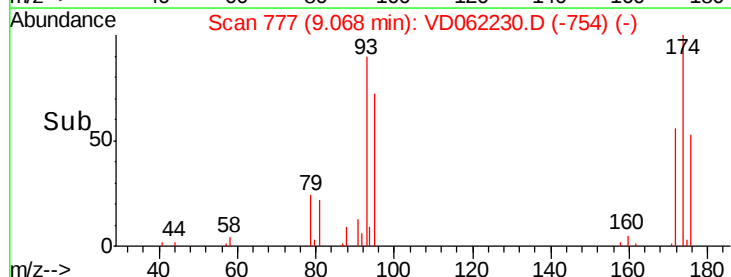
30000

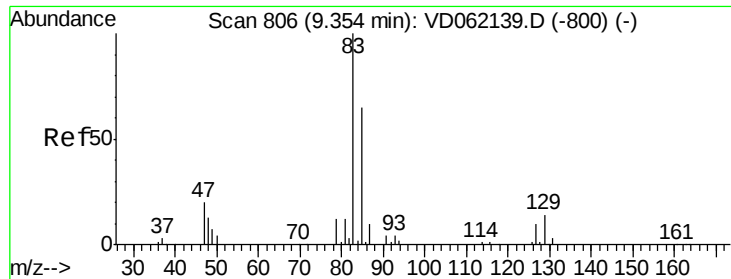
20000

10000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 22.275 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

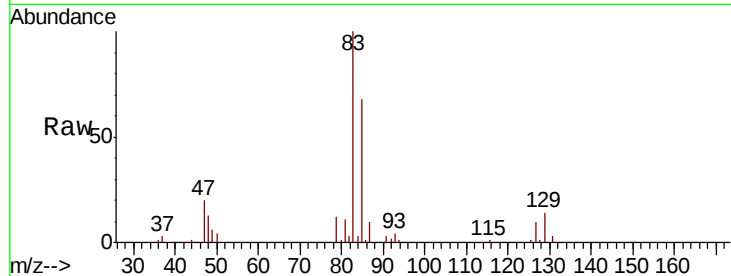
Tot Ion: 83 Resp: 231412

Ion Ratio Lower Upper

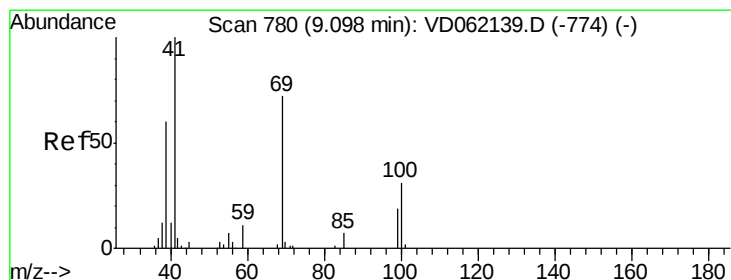
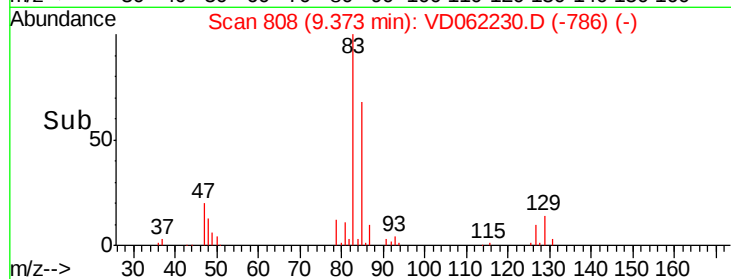
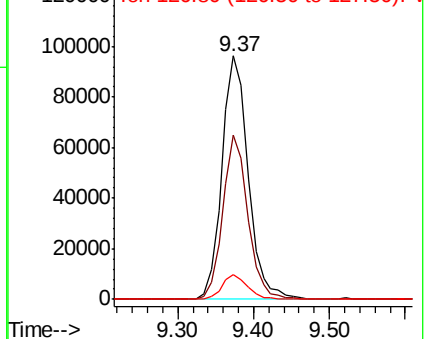
83 100

85 67.5 50.9 76.3

127 10.3 8.1 12.1



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



#48

Methyl methacrylate

Concen: 20.215 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

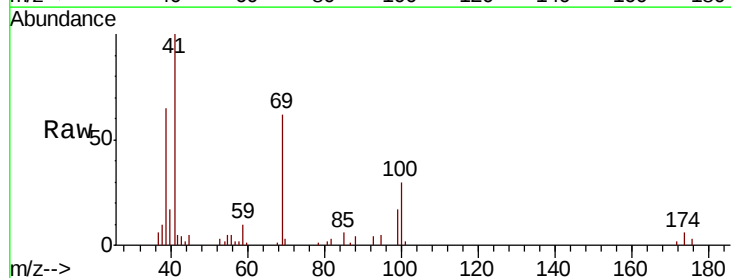
Tgt Ion: 41 Resp: 70030

Ion Ratio Lower Upper

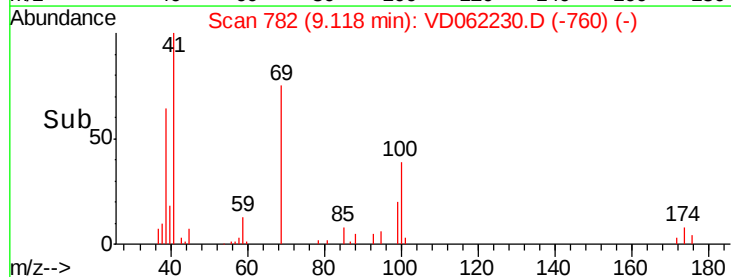
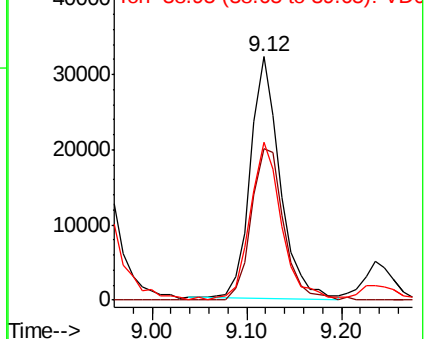
41 100

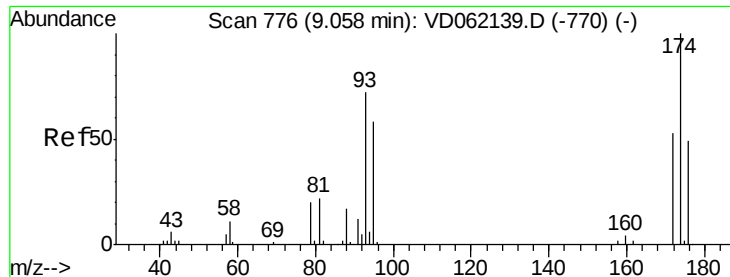
69 62.3 64.2 96.2#

39 64.8 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

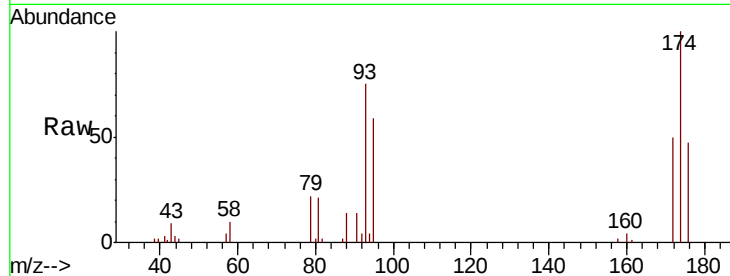




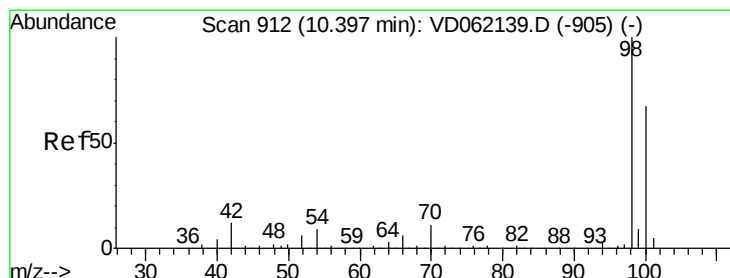
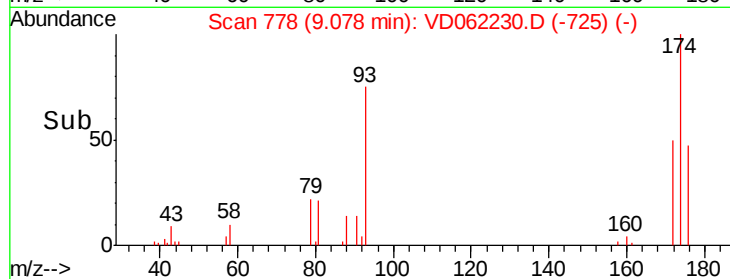
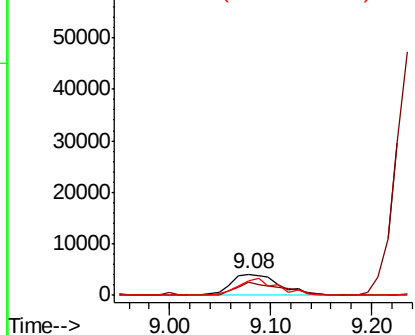
#49
1,4-Dioxane
Concen: 369.339 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.02 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tot Ion: 88 Resp: 13805
Ion Ratio Lower Upper
88 100
43 64.2 23.4 35.0#
58 70.9 44.0 66.0#

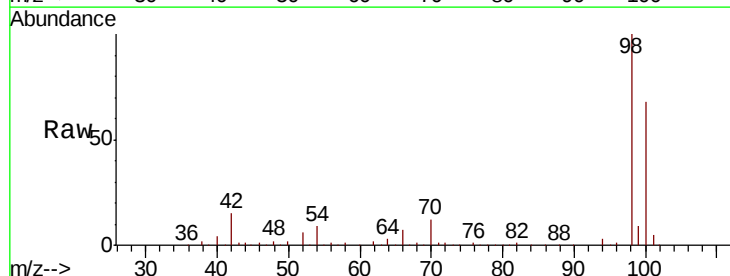


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

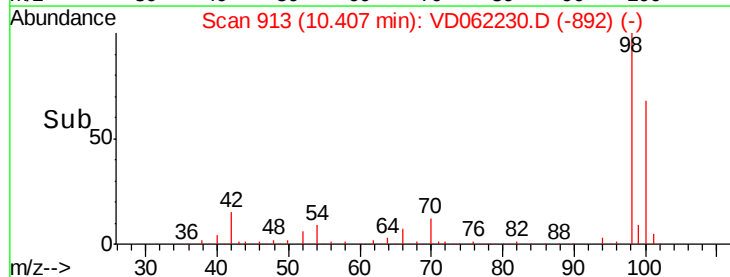
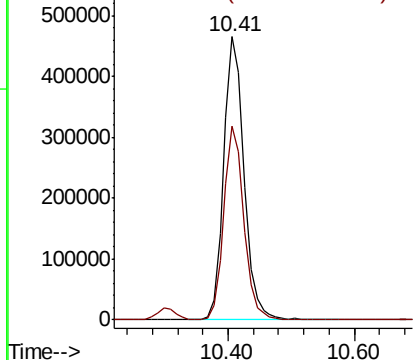


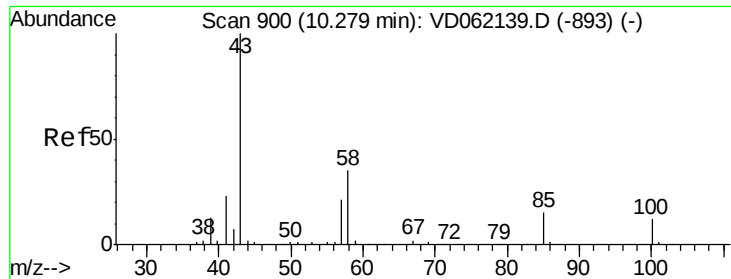
#50
Toluene-d8
Concen: 45.613 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion: 98 Resp: 1040684
Ion Ratio Lower Upper
98 100
100 68.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 99.926 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

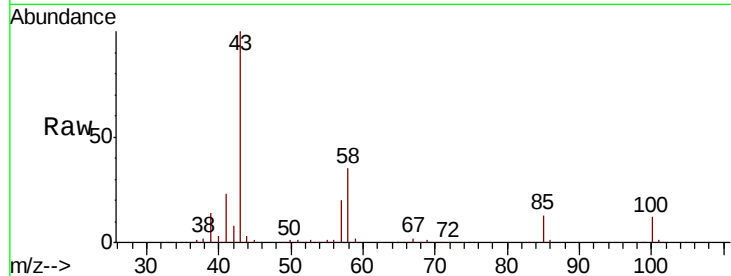
VD0511SBS01

Tot Ion: 43 Resp: 361257

Ion Ratio Lower Upper

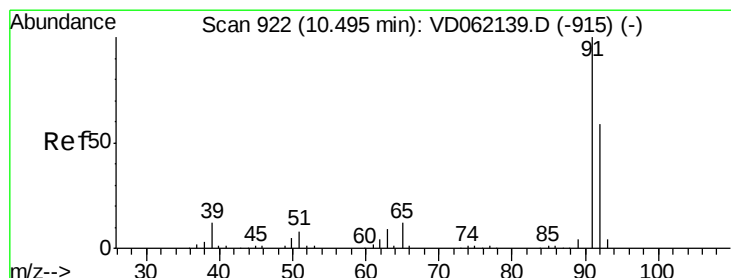
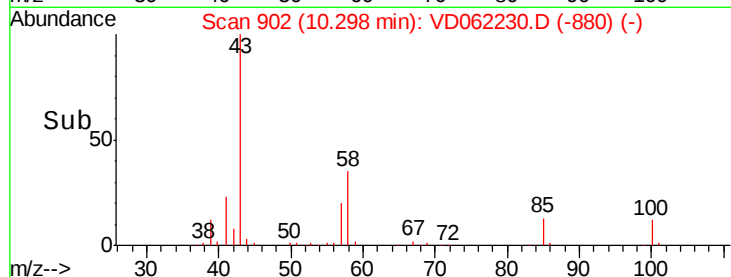
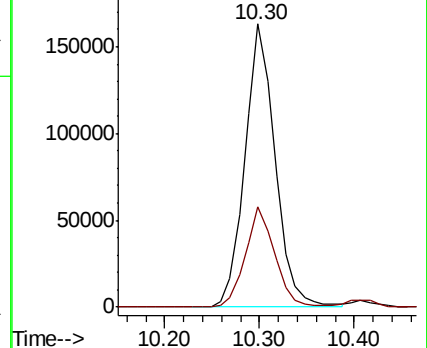
43 100

58 35.5 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.985 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD062230.D

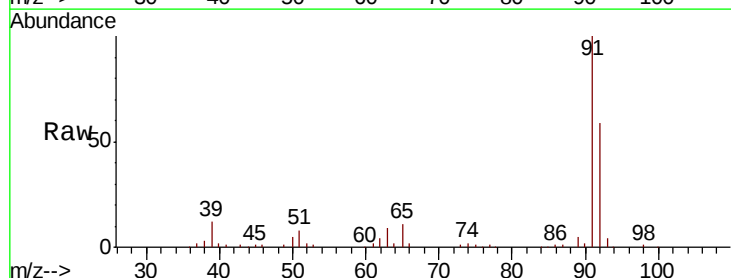
Acq: 11 May 2019 11:55

Tgt Ion: 92 Resp: 302048

Ion Ratio Lower Upper

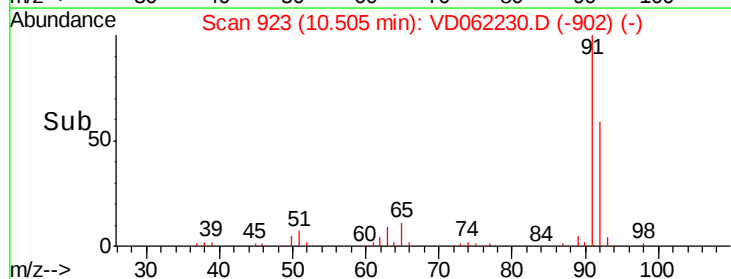
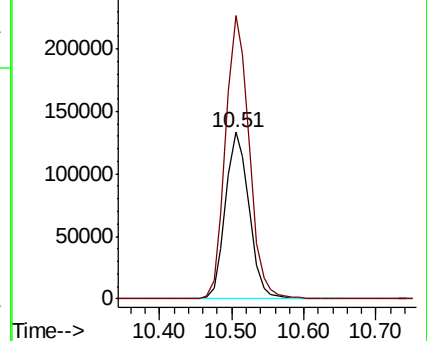
92 100

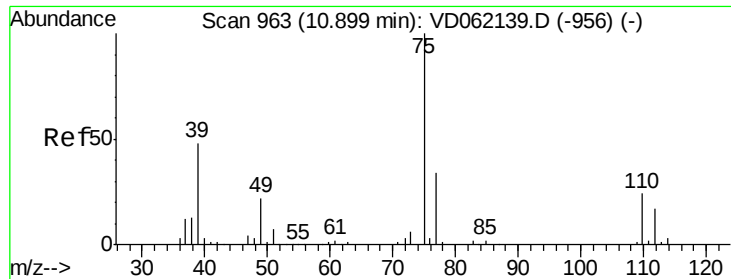
91 170.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

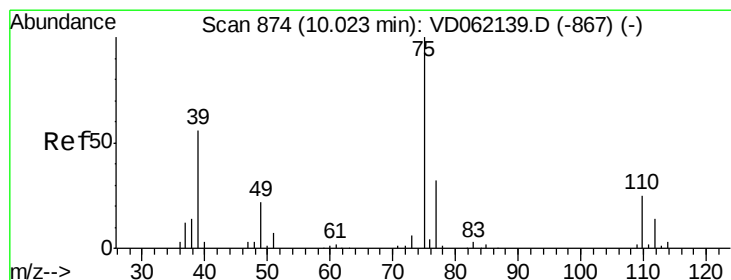
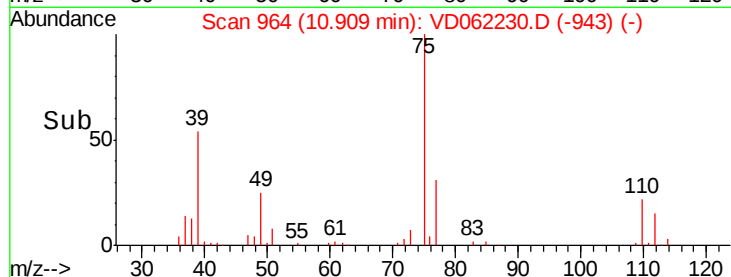
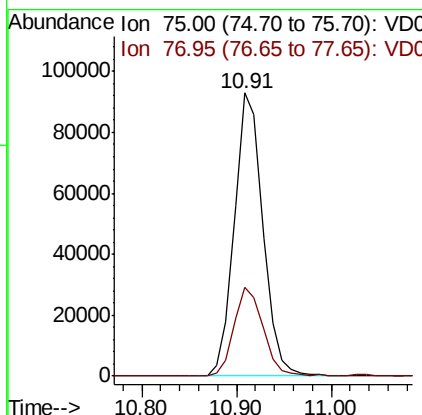
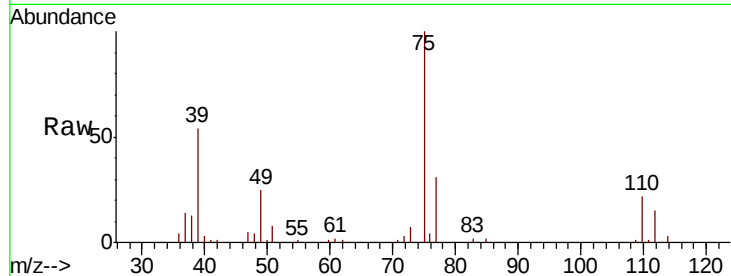




#53
 t-1,3-Dichloropropene
 Concen: 21.590 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

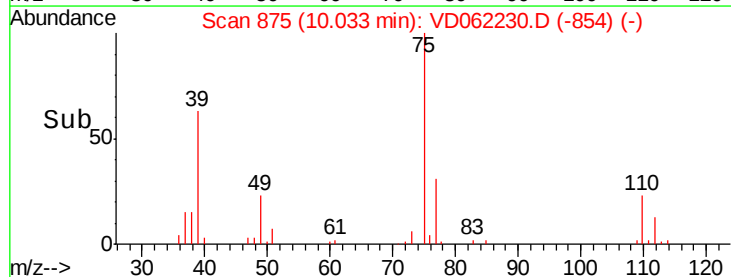
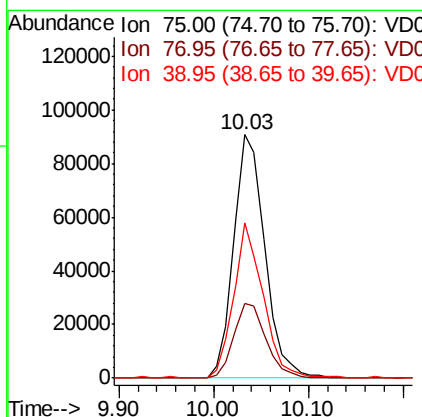
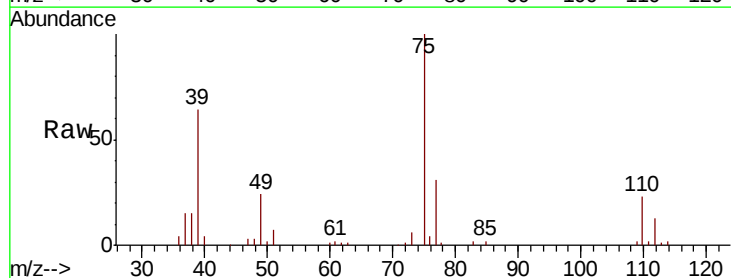
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBS01

Tot Ion: 75 Resp: 193852
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.138 ug/l
 RT: 10.03 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Tgt Ion: 75 Resp: 207059
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.5 38.3
 39 63.7 39.4 59.2#

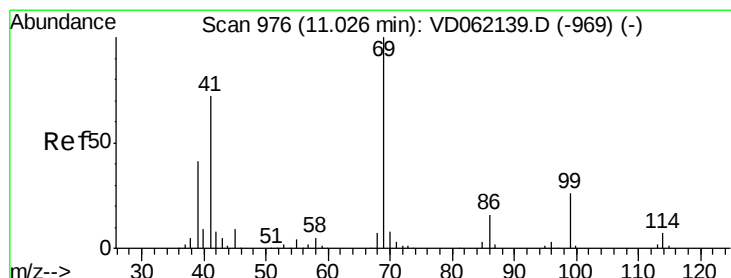
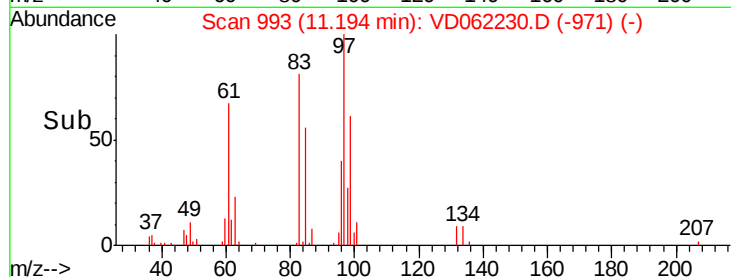
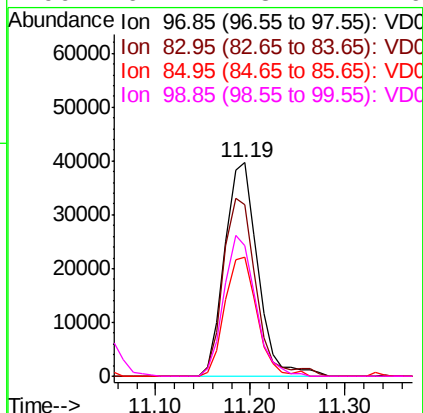
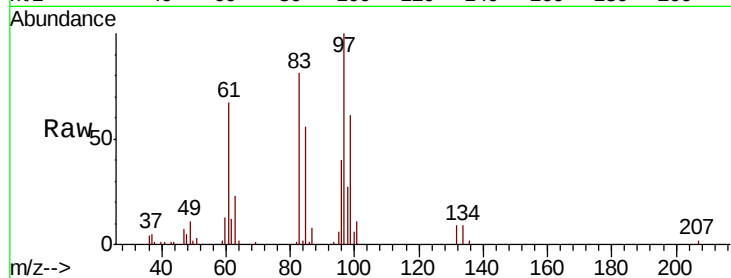




#55
 1,1,2-Trichloroethane
 Concen: 19.800 ug/l
 RT: 11.19 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

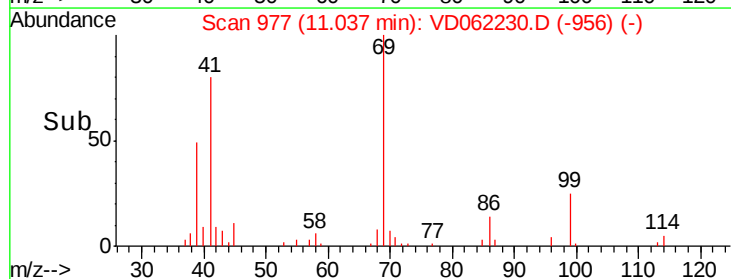
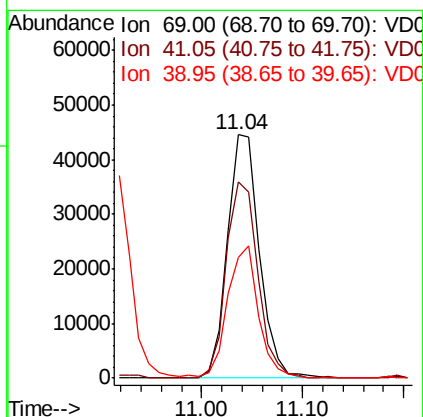
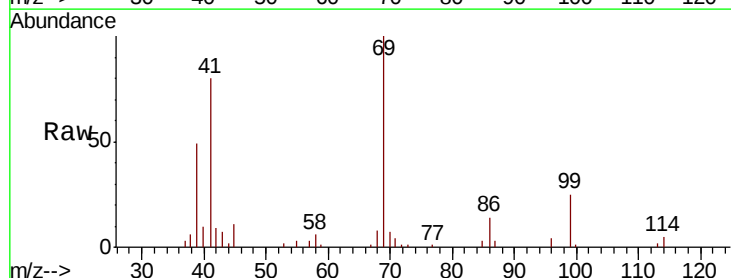
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBS01

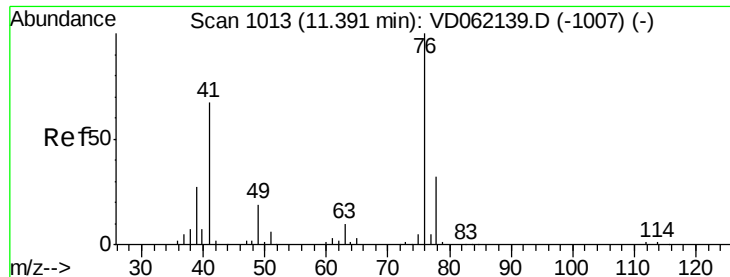
Tot Ion:	97	Resp:	96248
Ion	Ratio	Lower	Upper
97	100		
83	80.5	65.7	98.5
85	55.9	45.6	68.4
99	61.1	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 19.420 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Tgt Ion:	69	Resp:	98096
Ion	Ratio	Lower	Upper
69	100		
41	80.4	56.3	84.5
39	49.3	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 21.048 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

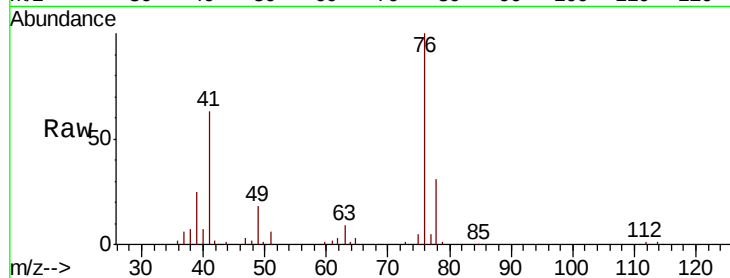
VD0511SBS01

Tot Ion: 76 Resp: 154576

Ion Ratio Lower Upper

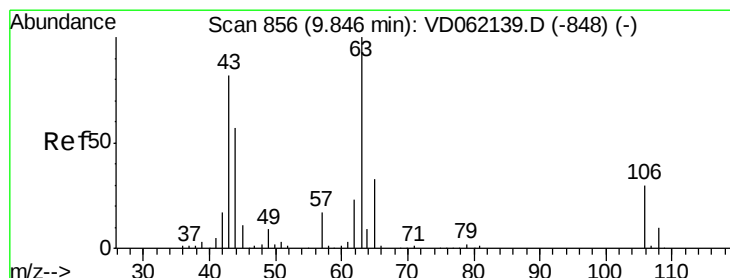
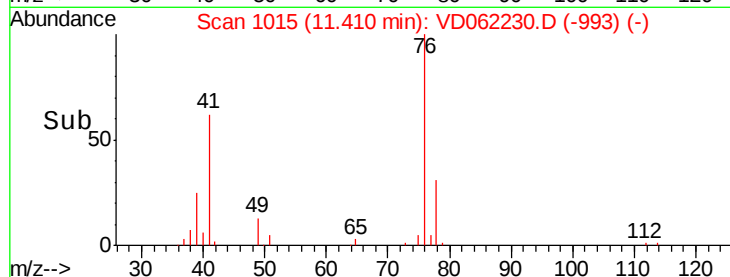
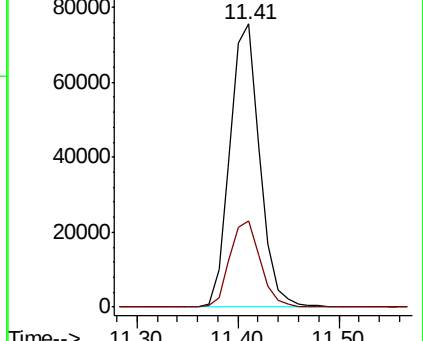
76 100

78 30.5 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 103.085 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062230.D

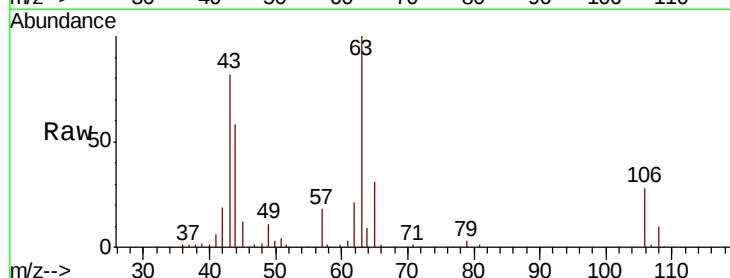
Acq: 11 May 2019 11:55

Tgt Ion: 63 Resp: 284436

Ion Ratio Lower Upper

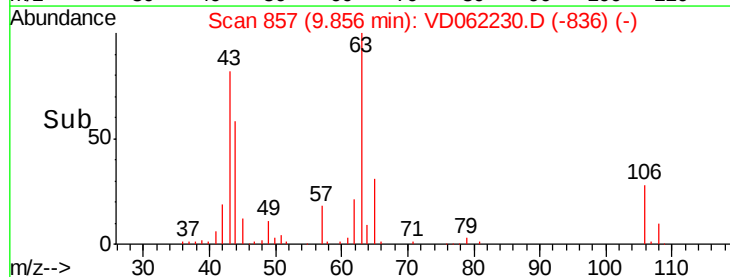
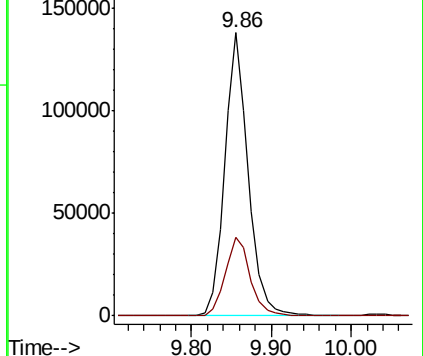
63 100

106 27.9 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

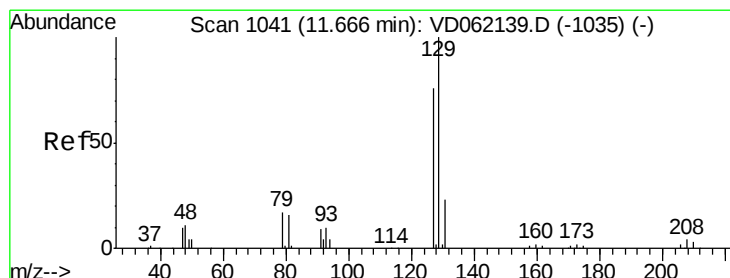
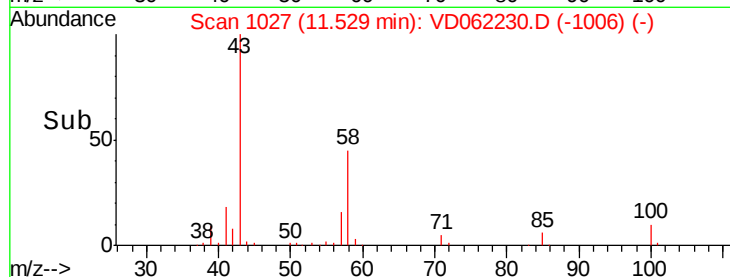
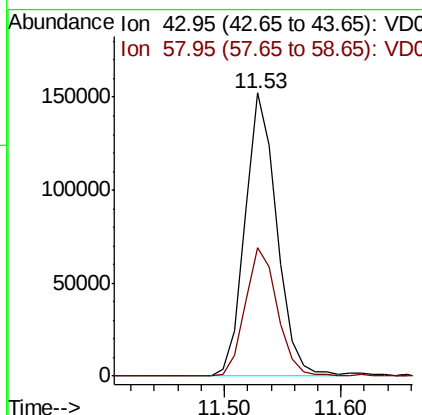
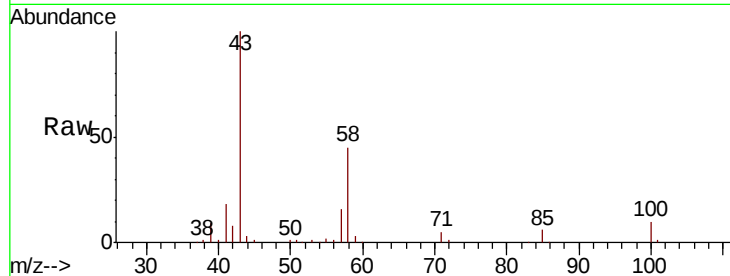




#59
2-Hexanone
Concen: 107.664 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

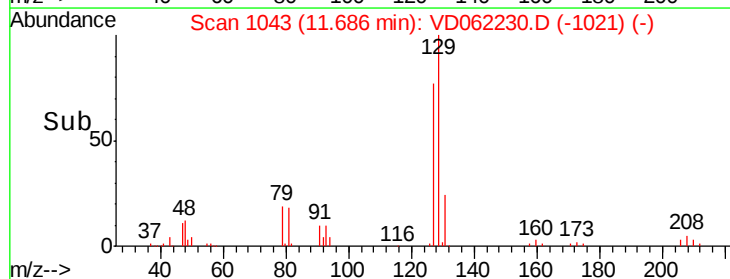
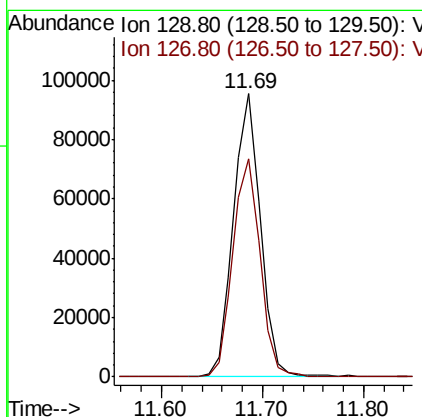
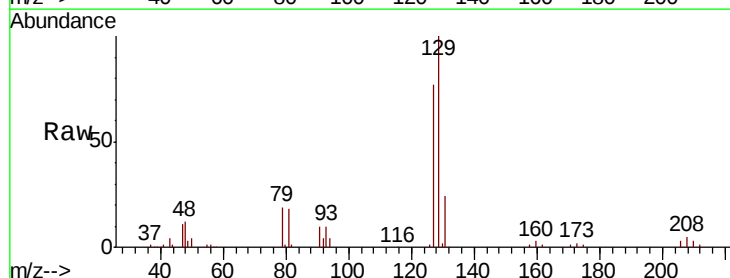
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tot Ion: 43 Resp: 286879
Ion Ratio Lower Upper
43 100
58 45.3 25.4 76.4



#60
Dibromochloromethane
Concen: 21.191 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion: 129 Resp: 178023
Ion Ratio Lower Upper
129 100
127 77.2 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.700 ug/l

RT: 11.80 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

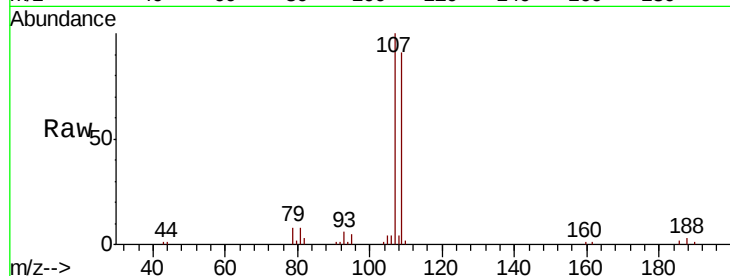
VD0511SBS01

Tot Ion:107 Resp: 122336

Ion Ratio Lower Upper

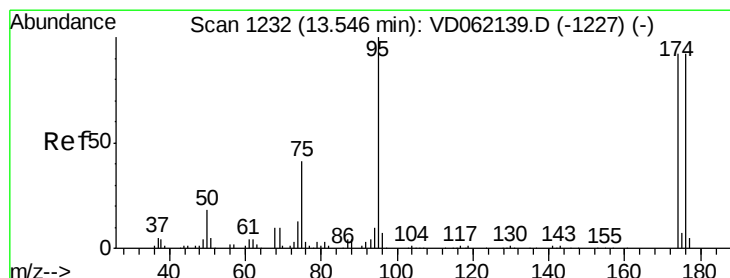
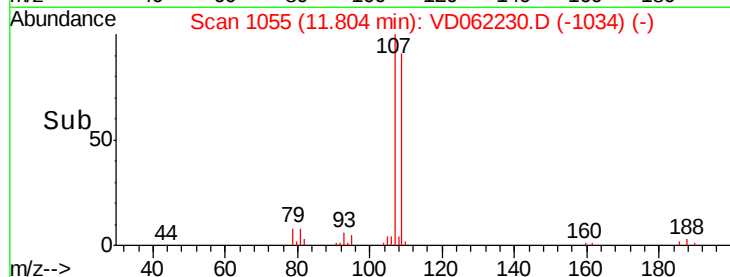
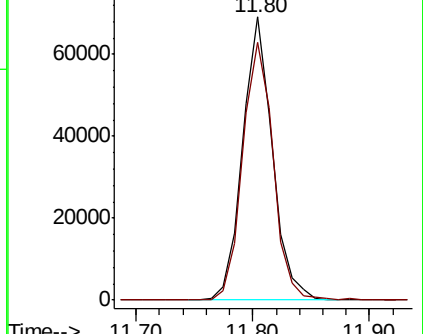
107 100

109 91.0 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 47.654 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

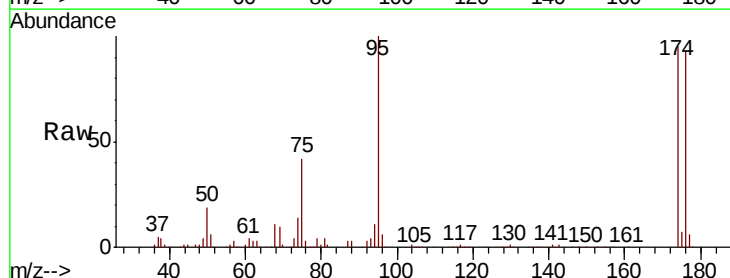
Tgt Ion: 95 Resp: 436607

Ion Ratio Lower Upper

95 100

174 95.4 0.0 181.8

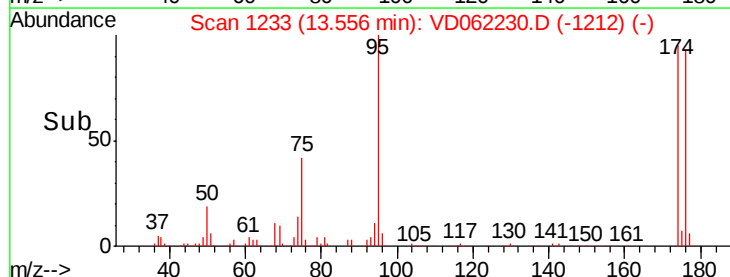
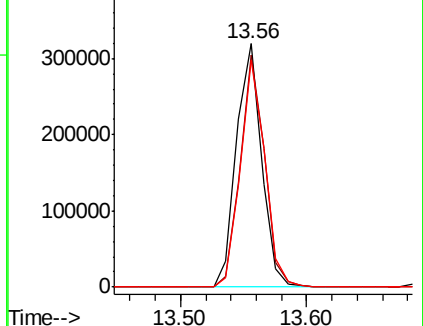
176 93.1 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

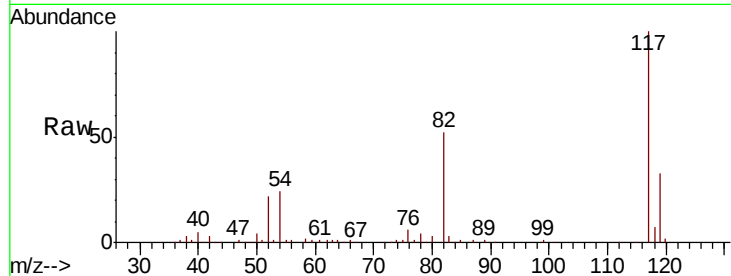




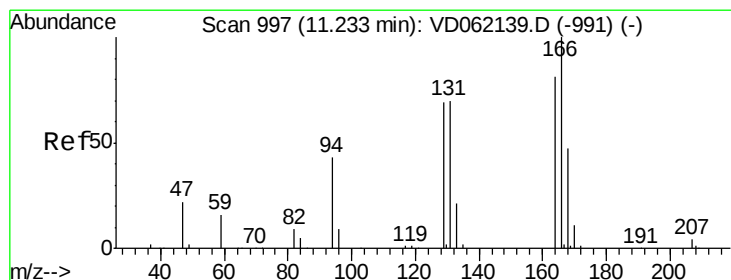
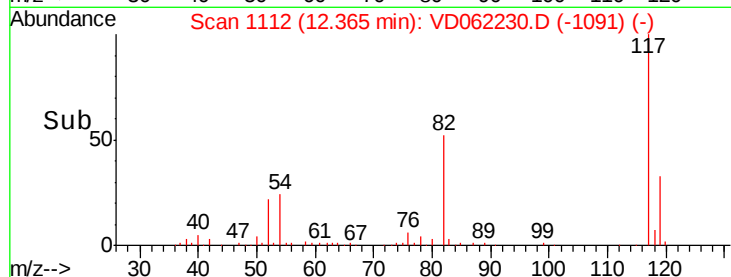
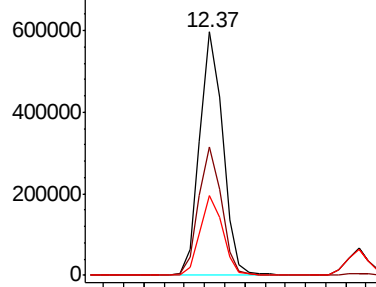
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tot Ion:117 Resp: 954988
Ion Ratio Lower Upper
117 100
82 52.5 36.2 54.2
119 32.7 26.2 39.4

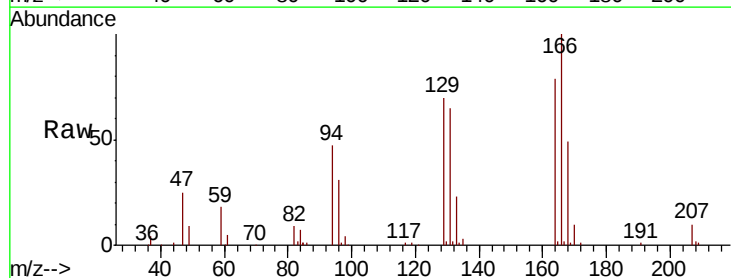


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

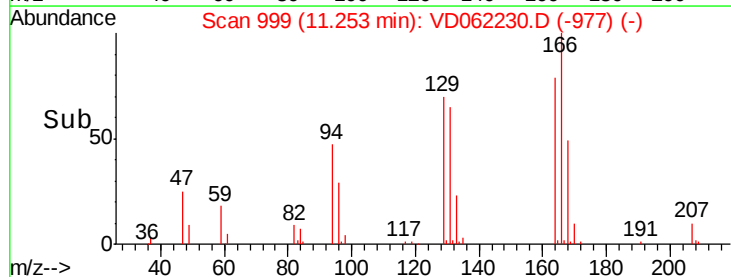
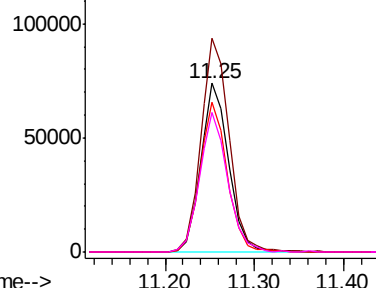


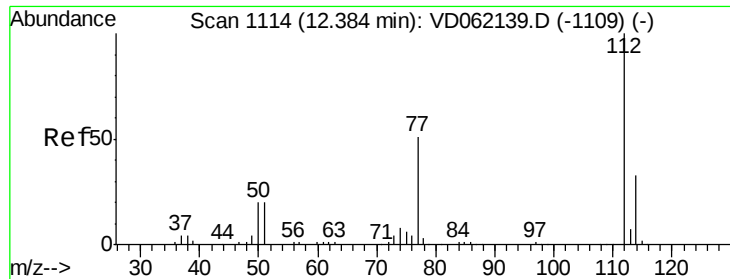
#64
Tetrachloroethene
Concen: 21.634 ug/l
RT: 11.25 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion:164 Resp: 161557
Ion Ratio Lower Upper
164 100
166 126.7 101.5 152.3
129 88.6 74.6 112.0
131 82.7 72.6 108.8



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

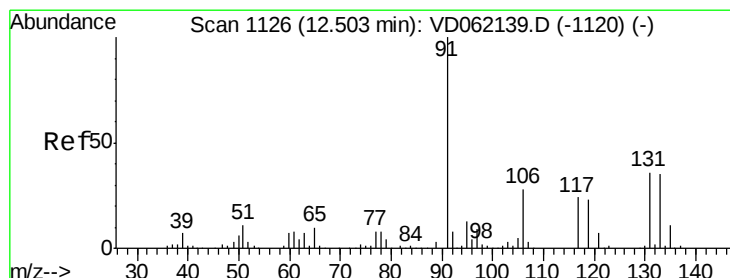
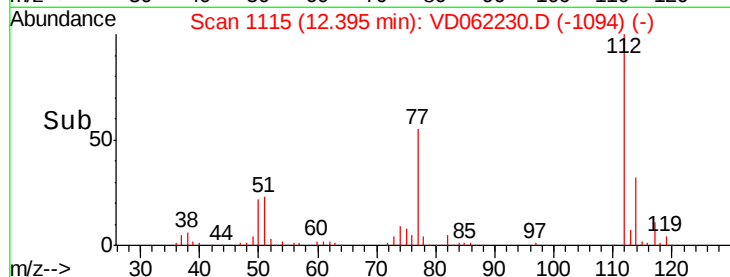
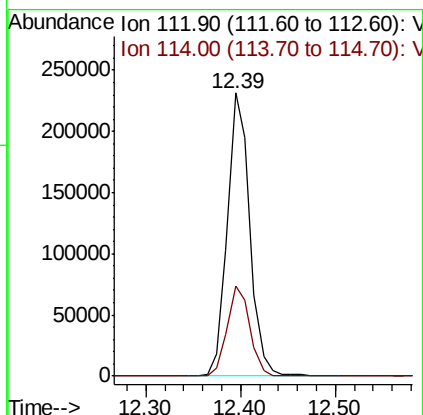
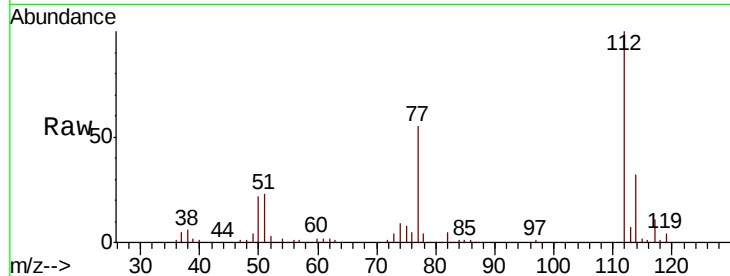




#65
Chlorobenzene
Concen: 21.256 ug/l
RT: 12.39 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

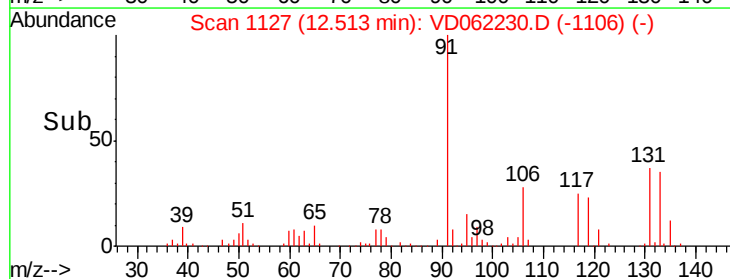
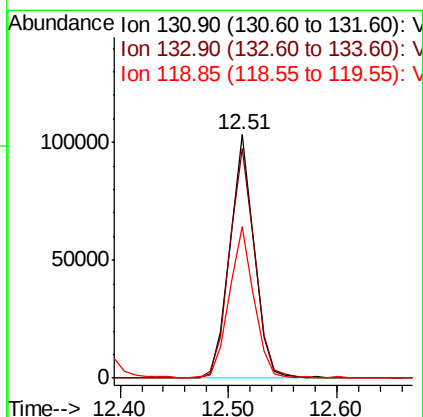
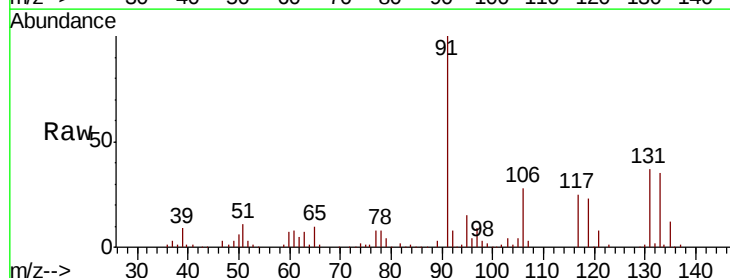
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tot Ion:112 Resp: 378078
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.968 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion:131 Resp: 162316
Ion Ratio Lower Upper
131 100
133 94.5 48.6 145.8
119 62.3 34.7 104.1

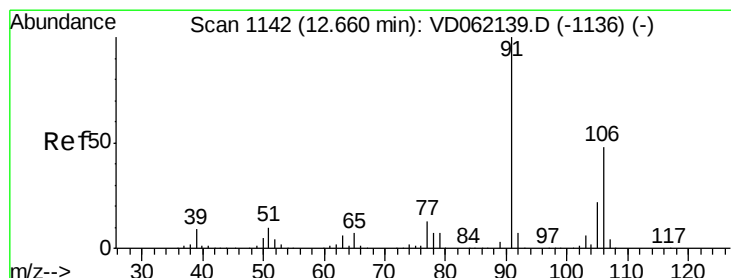
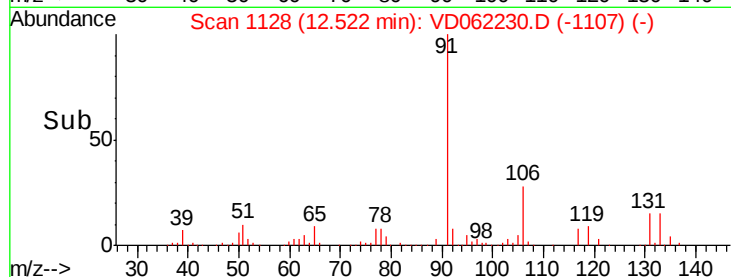
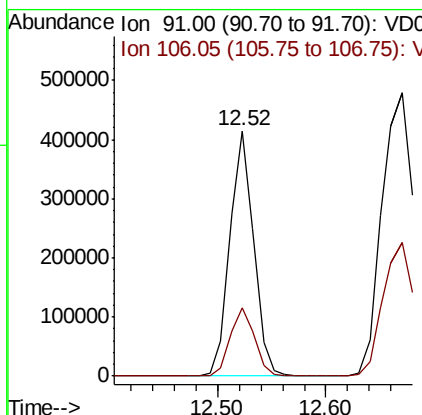
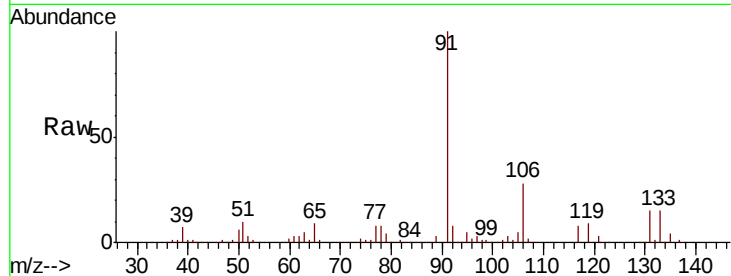




#67
Ethyl Benzene
Concen: 21.468 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

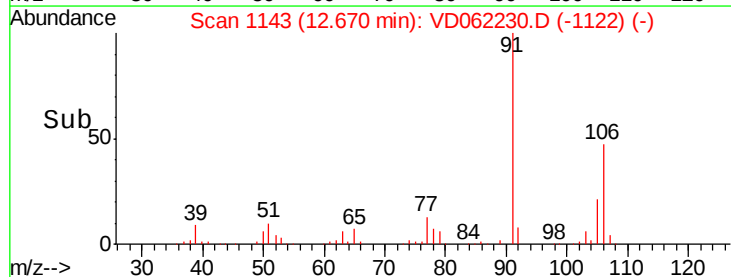
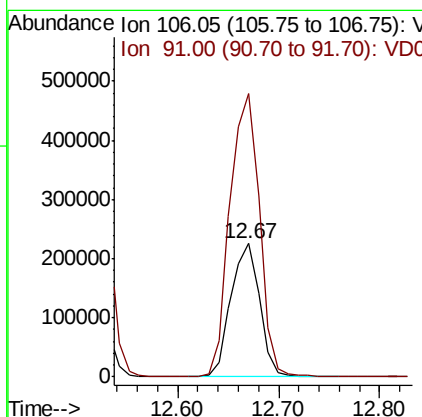
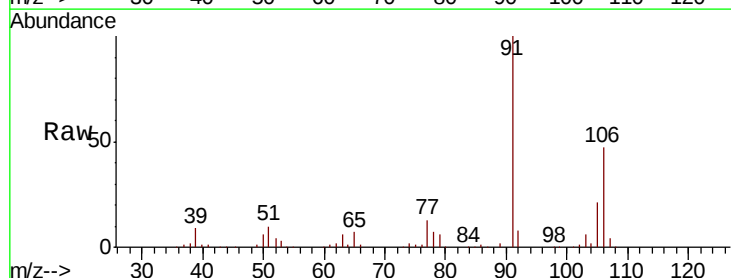
Instrument :
MSVOA_D
ClientSampleID :
VD0511SBS01

Tot Ion: 91 Resp: 639266
Ion Ratio Lower Upper
91 100
106 28.0 24.7 37.1



#68
m/p-Xylenes
Concen: 41.161 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion:106 Resp: 445934
Ion Ratio Lower Upper
106 100
91 212.8 164.0 246.0

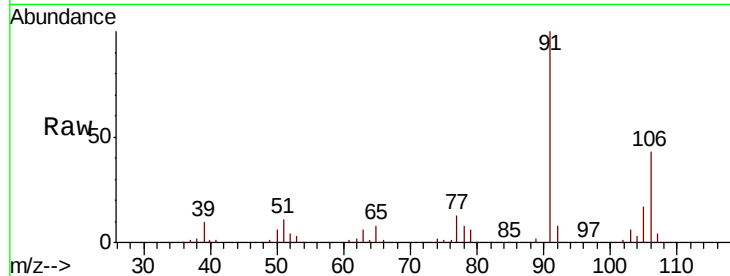




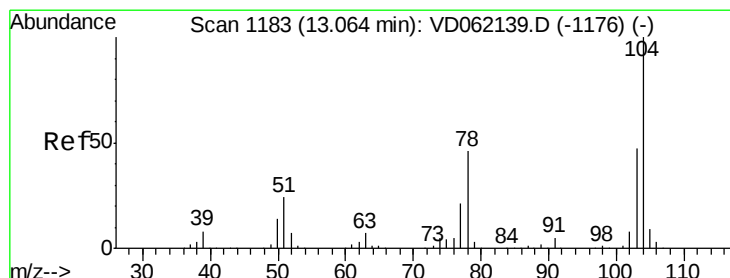
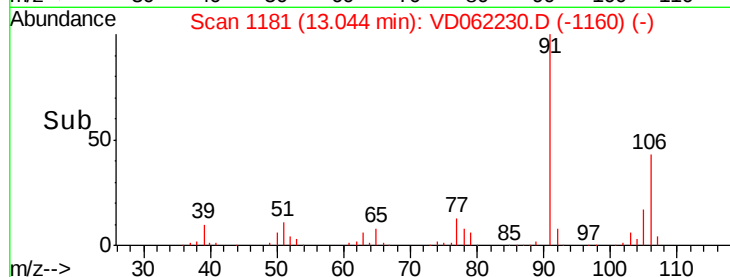
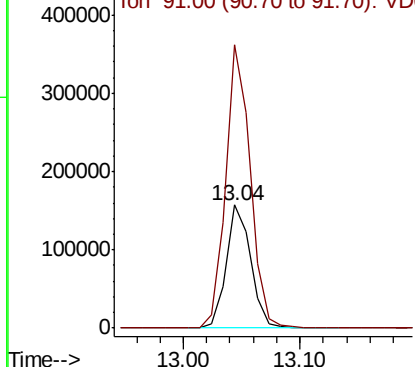
#69
o-Xylene
Concen: 22.683 ug/l
RT: 13.04 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tot Ion:106 Resp: 228470
Ion Ratio Lower Upper
106 100
91 230.5 106.7 319.9

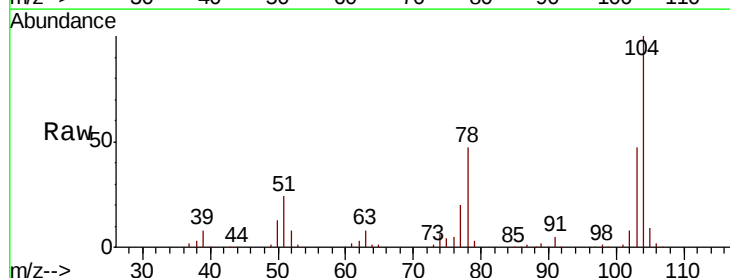


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

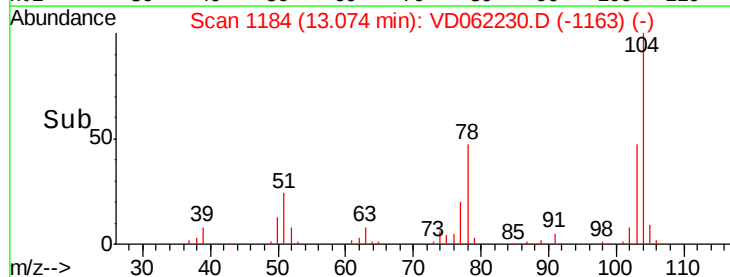
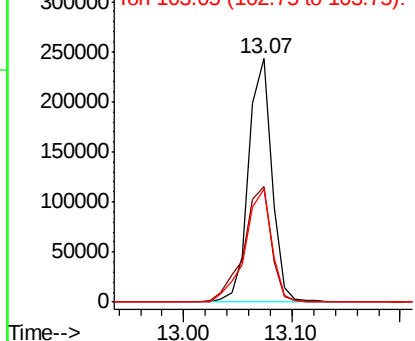


#70
Styrene
Concen: 21.332 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion:104 Resp: 363969
Ion Ratio Lower Upper
104 100
78 47.4 35.4 53.2
103 46.7 37.5 56.3



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

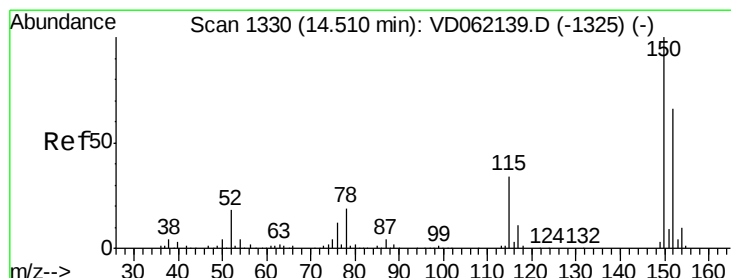
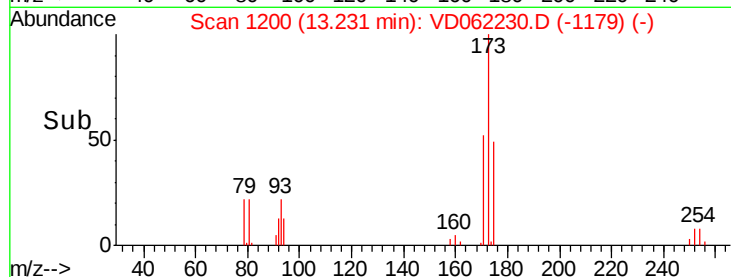
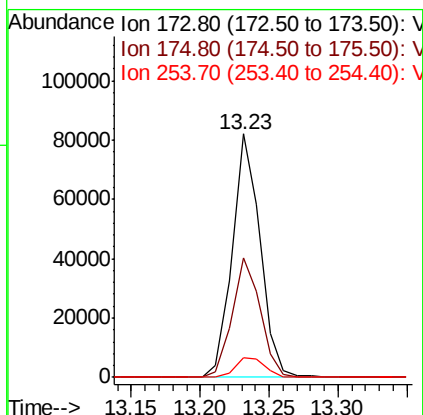
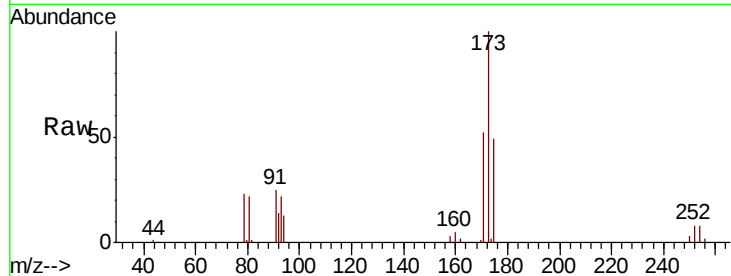




#71
Bromoform
Concen: 21.384 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

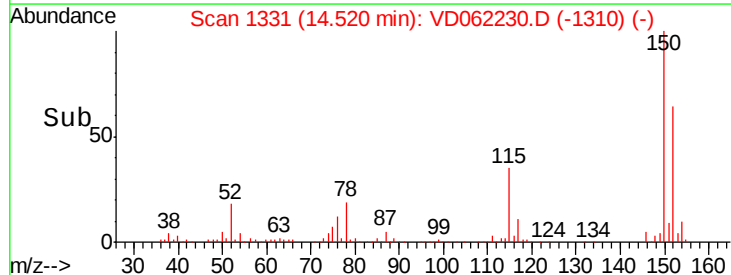
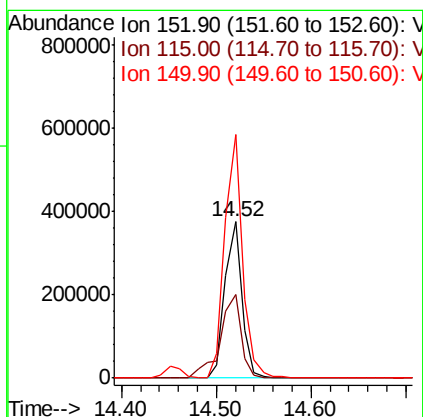
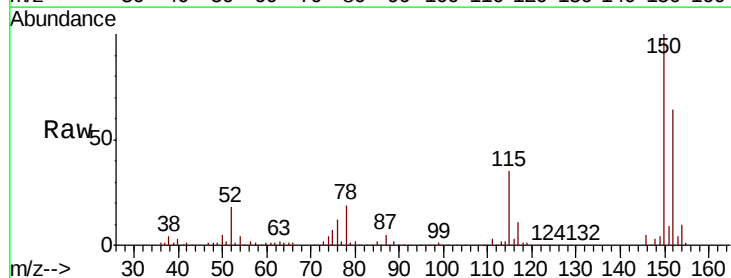
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

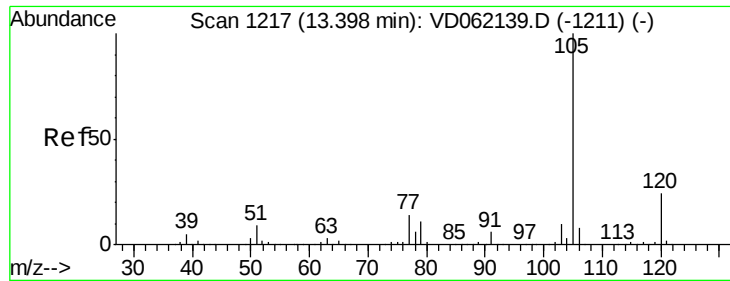
Tot Ion:173 Resp: 115167
Ion Ratio Lower Upper
173 100
175 48.8 24.4 73.4
254 7.9 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion:152 Resp: 467720
Ion Ratio Lower Upper
152 100
115 53.8 30.9 92.7
150 155.7 0.0 314.8





#73

Isopropylbenzene

Concen: 24.337 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

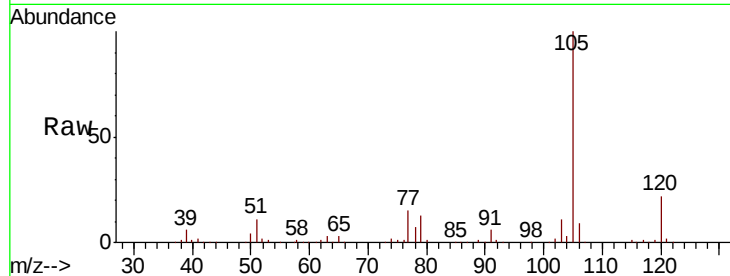
VD0511SBS01

Tot Ion:105 Resp: 682314

Ion Ratio Lower Upper

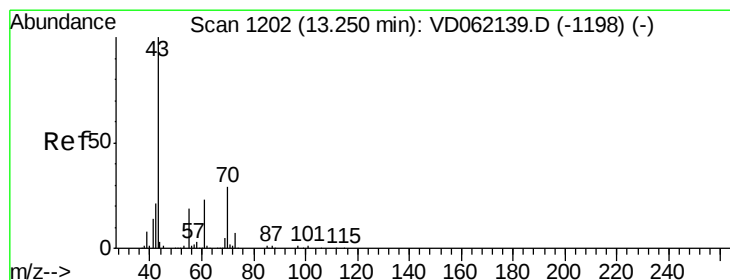
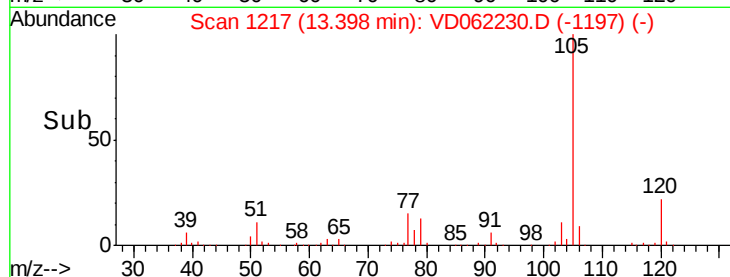
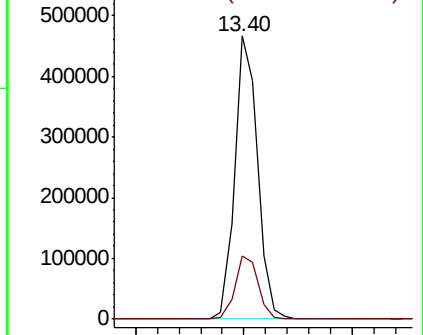
105 100

120 22.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.120 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Tgt Ion: 43 Resp: 147894

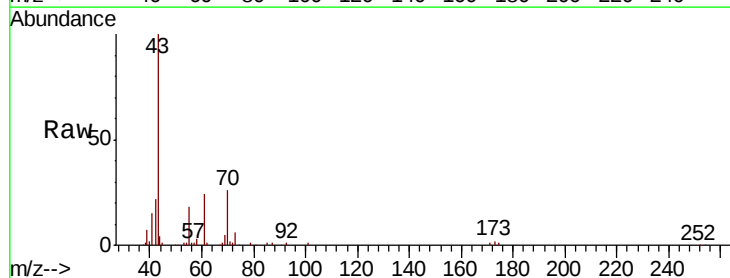
Ion Ratio Lower Upper

43 100

70 25.6 24.2 36.4

55 18.3 16.0 24.0

61 24.3 21.6 32.4

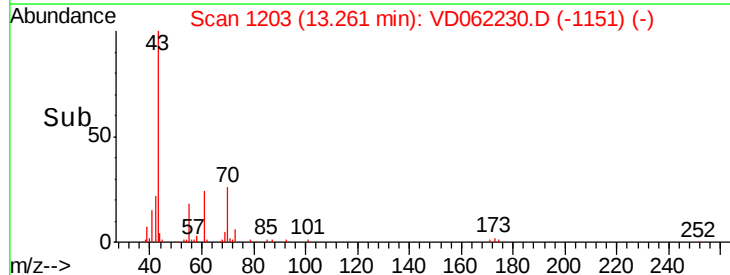
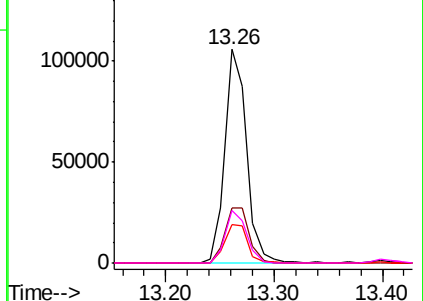


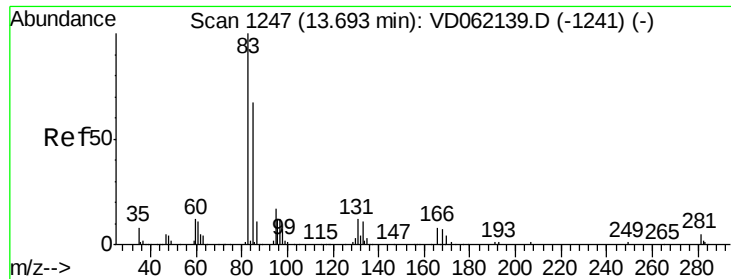
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 20.698 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

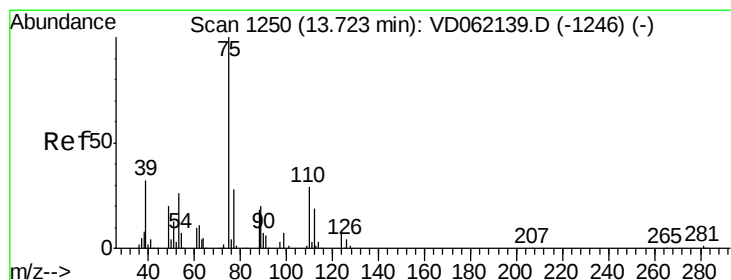
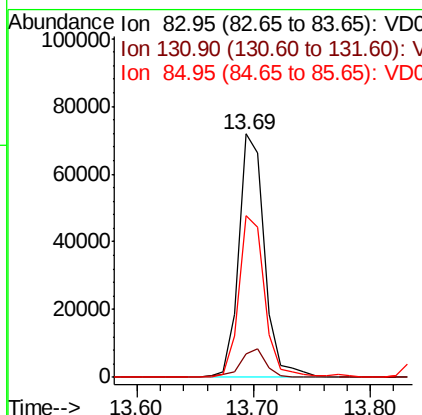
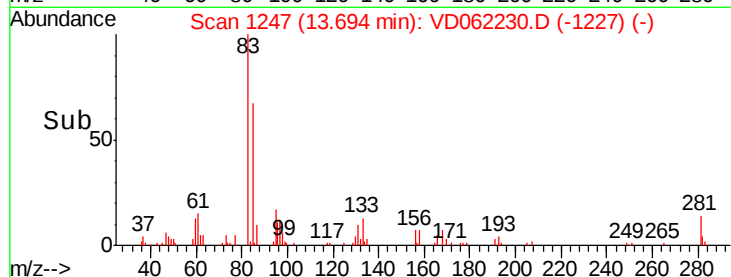
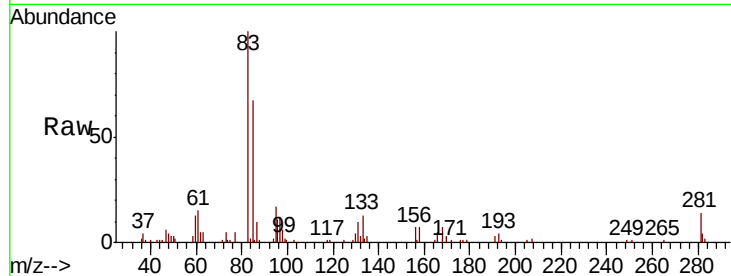
Tot Ion: 83 Resp: 109859

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

85 66.6 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 21.507 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062230.D

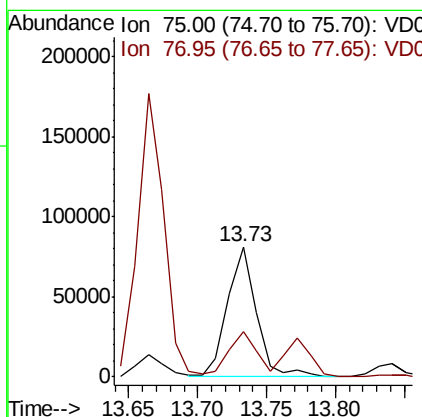
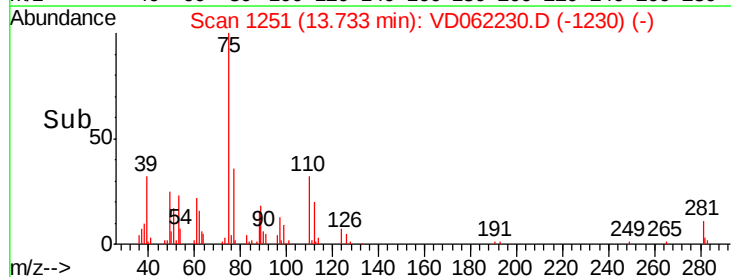
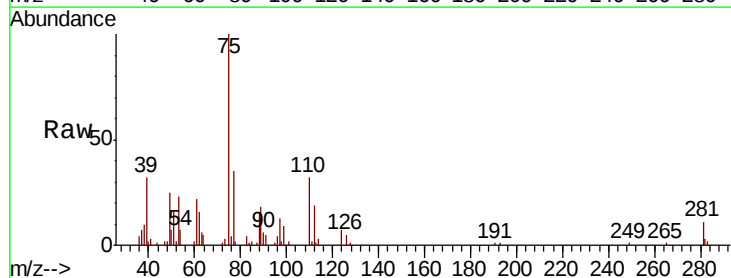
Acq: 11 May 2019 11:55

Tgt Ion: 75 Resp: 119548

Ion Ratio Lower Upper

75 100

77 35.2 16.4 49.4





#77

Bromobenzene

Concen: 24.188 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

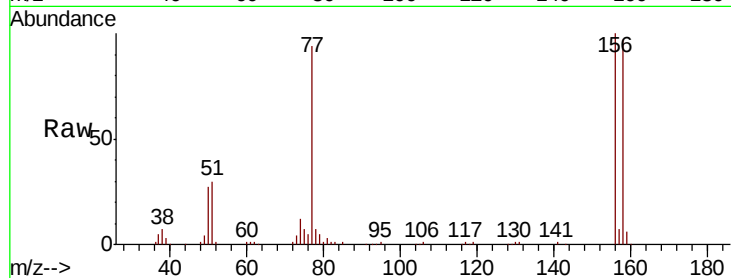
Tot Ion:156 Resp: 189835

Ion Ratio Lower Upper

156 100

77 93.5 53.1 159.4

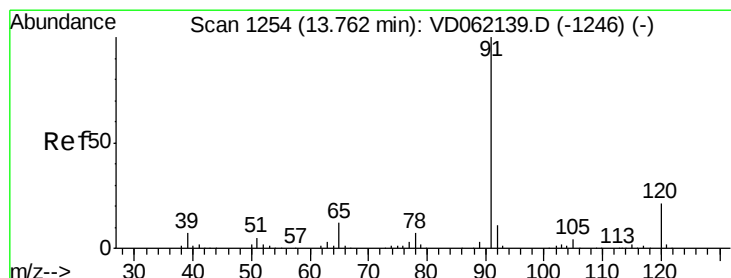
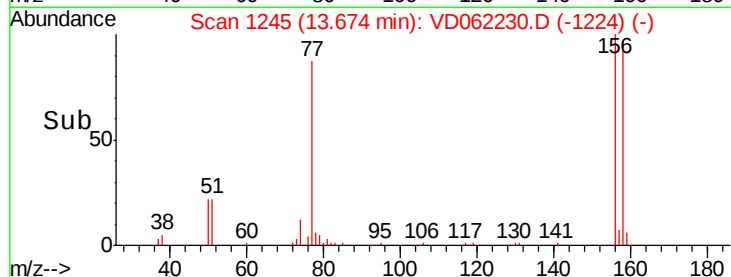
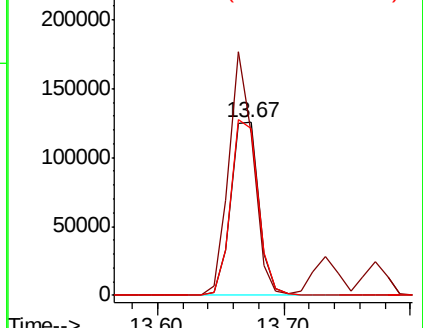
158 96.8 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.939 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062230.D

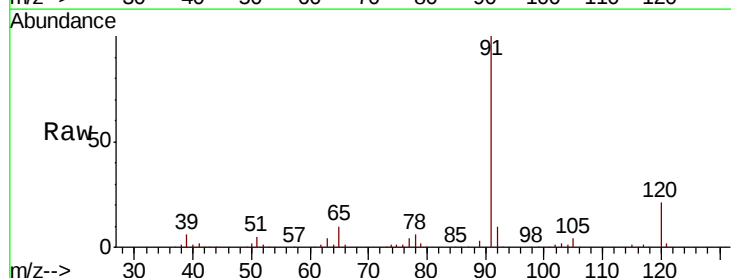
Acq: 11 May 2019 11:55

Tgt Ion: 91 Resp: 800619

Ion Ratio Lower Upper

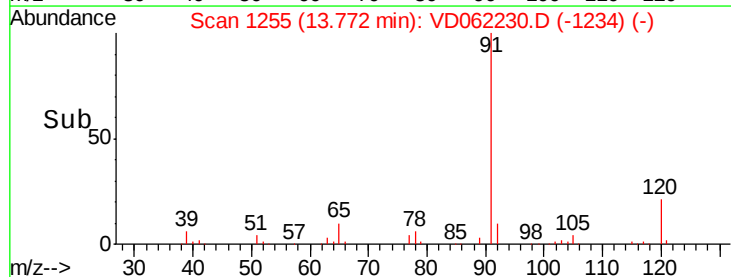
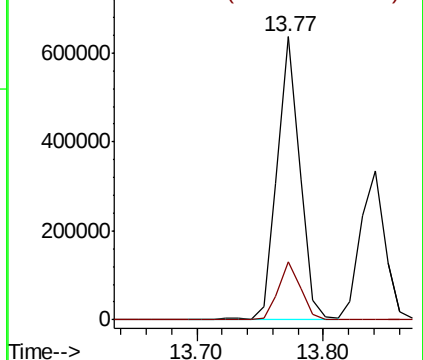
91 100

120 20.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

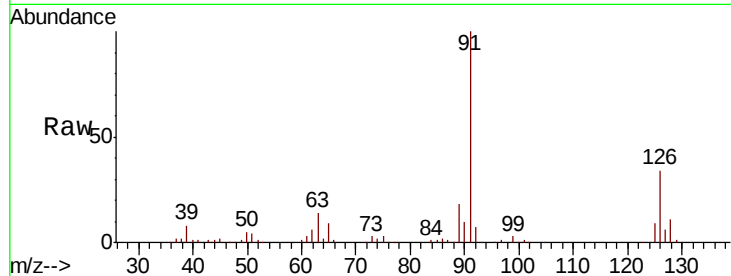




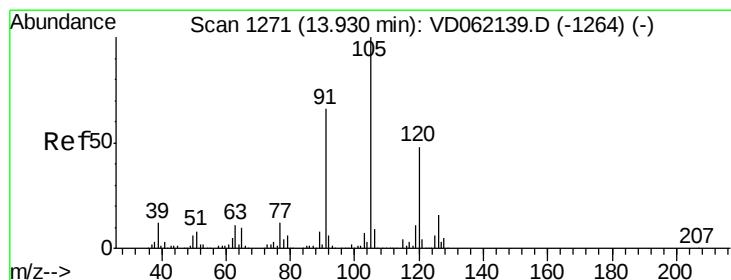
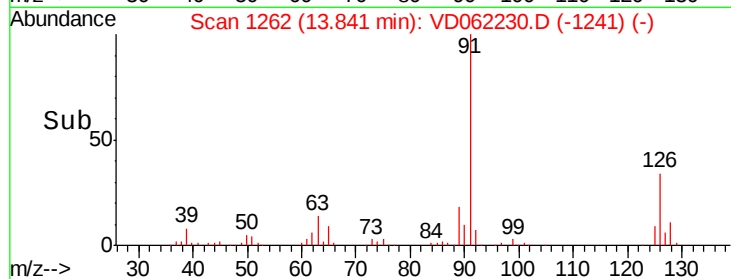
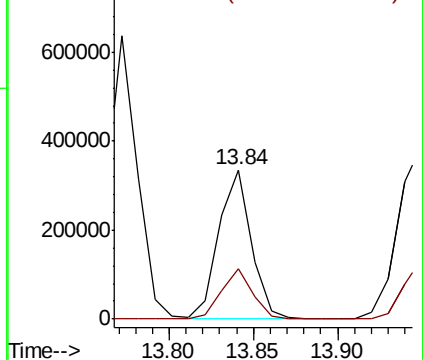
#79
 2-Chlorotoluene
 Concen: 23.421 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBS01

Tot Ion: 91 Resp: 448619
 Ion Ratio Lower Upper
 91 100
 126 34.0 18.6 55.8

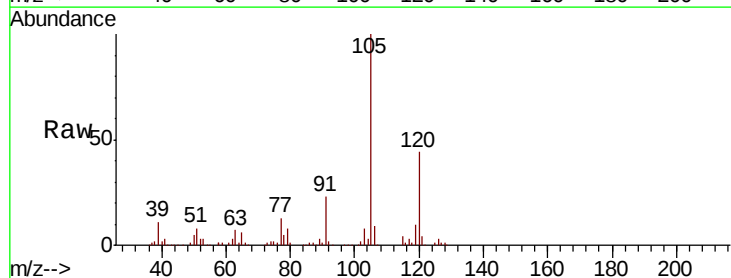


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

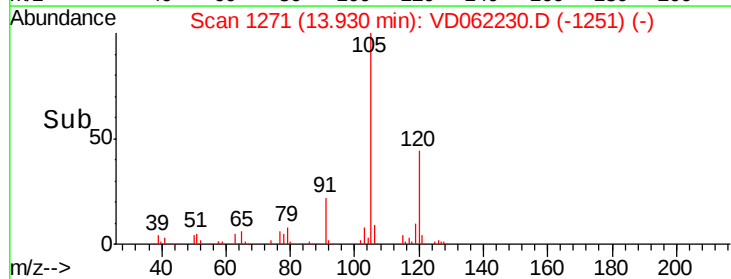
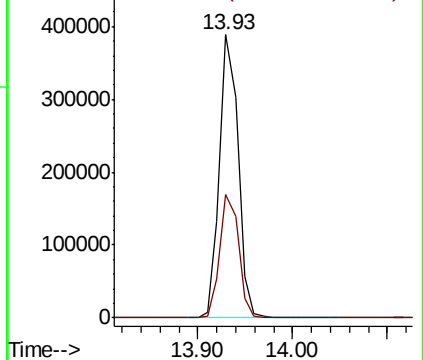


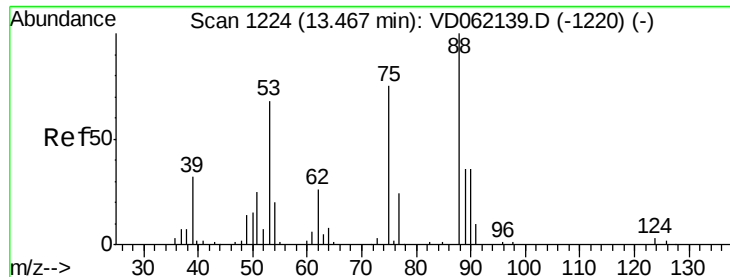
#80
 1,3,5-Trimethylbenzene
 Concen: 22.496 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Tgt Ion: 105 Resp: 531109
 Ion Ratio Lower Upper
 105 100
 120 43.6 24.0 72.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 19.459 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

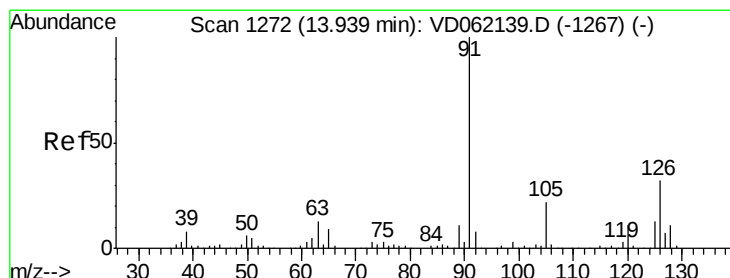
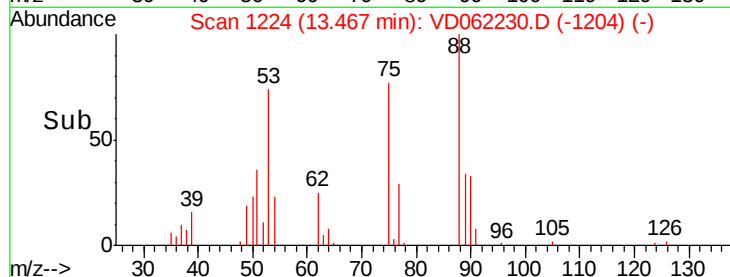
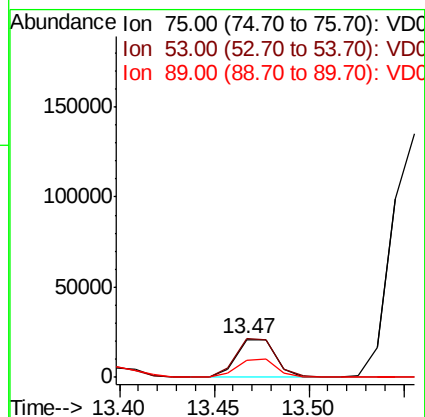
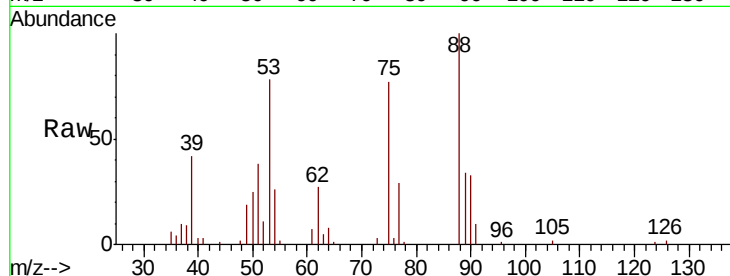
Tot Ion: 75 Resp: 30535

Ion Ratio Lower Upper

75 100

53 100.5 65.8 98.8#

89 44.2 35.0 52.6



#82

4-Chlorotoluene

Concen: 24.412 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062230.D

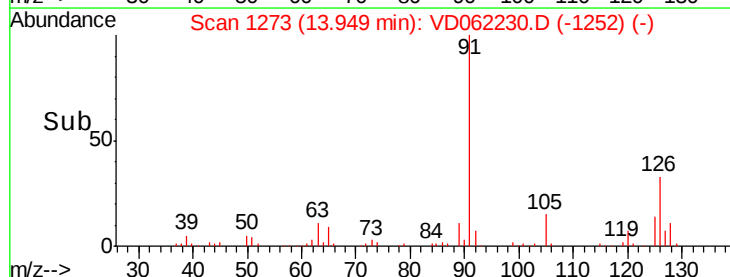
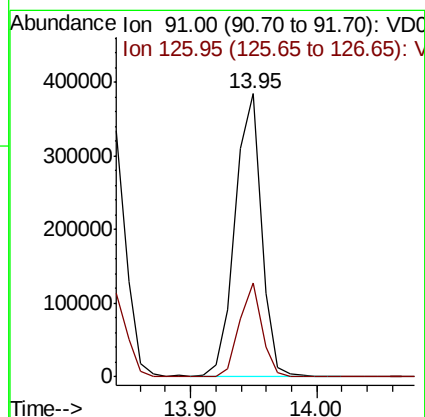
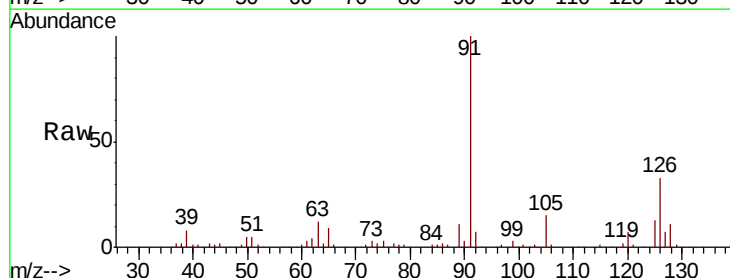
Acq: 11 May 2019 11:55

Tgt Ion: 91 Resp: 550238

Ion Ratio Lower Upper

91 100

126 33.3 19.1 57.5





#83

tert-Butylbenzene

Concen: 22.702 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0511SBS01

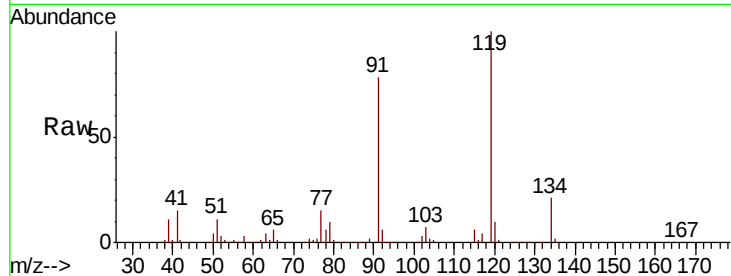
Tot Ion:119 Resp: 602438

Ion Ratio Lower Upper

119 100

91 78.1 34.2 102.6

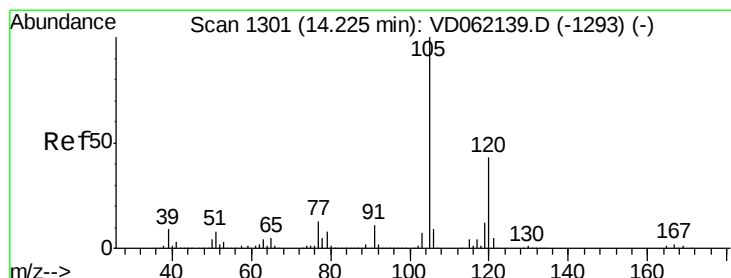
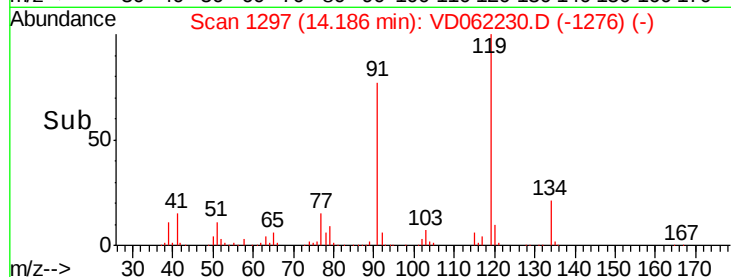
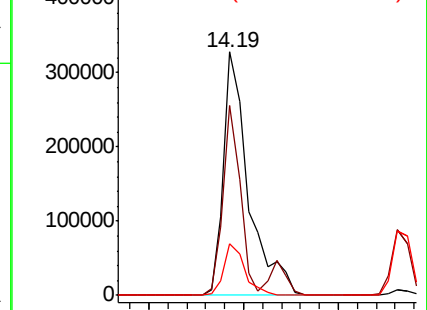
134 21.4 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.673 ug/l

RT: 14.23 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD062230.D

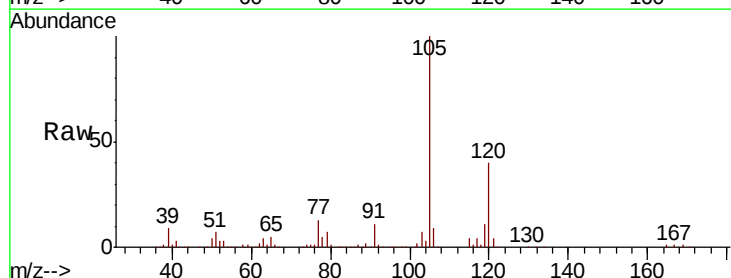
Acq: 11 May 2019 11:55

Tgt Ion:105 Resp: 537151

Ion Ratio Lower Upper

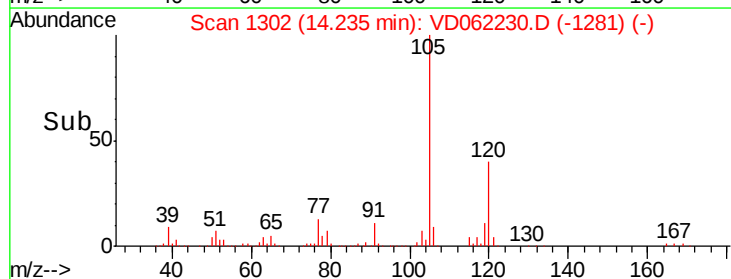
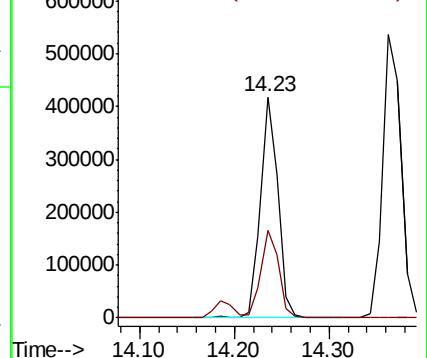
105 100

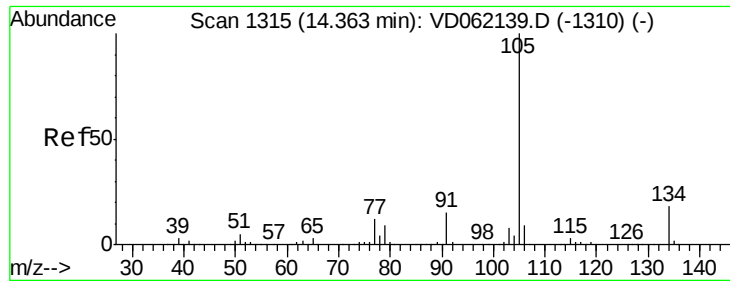
120 39.8 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 25.131 ug/l

RT: 14.36 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

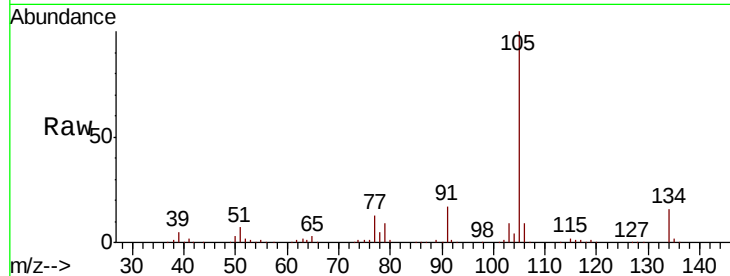
VD0511SBS01

Tot Ion:105 Resp: 731187

Ion Ratio Lower Upper

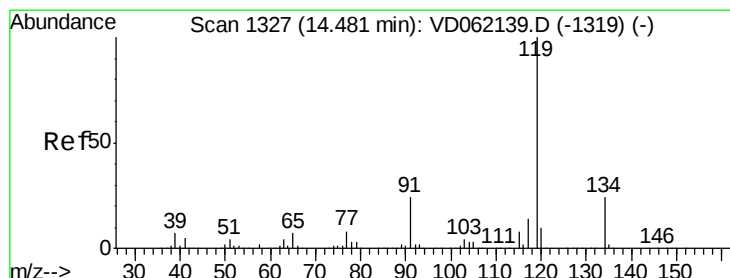
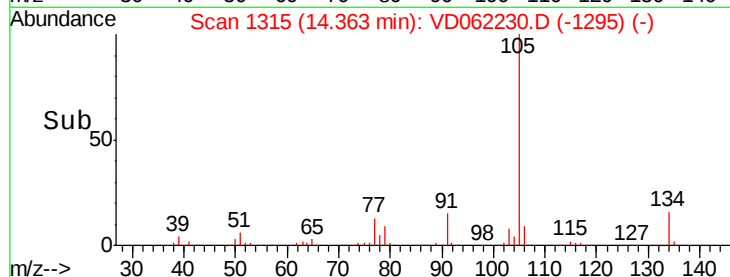
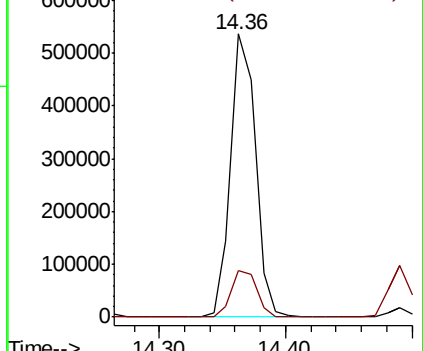
105 100

134 16.3 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.222 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

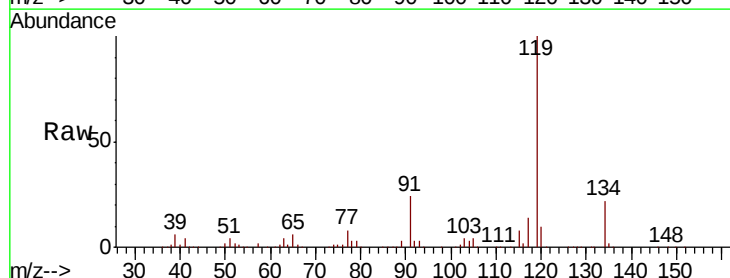
Tgt Ion:119 Resp: 551647

Ion Ratio Lower Upper

119 100

134 22.1 12.8 38.3

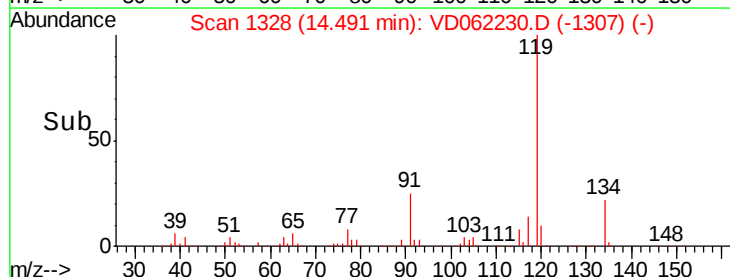
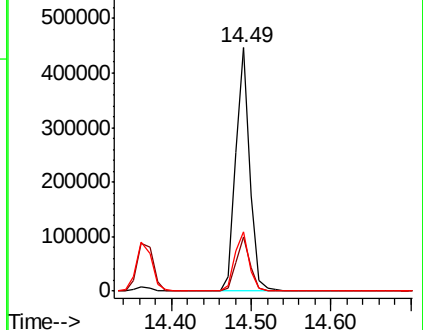
91 24.5 10.7 32.1



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

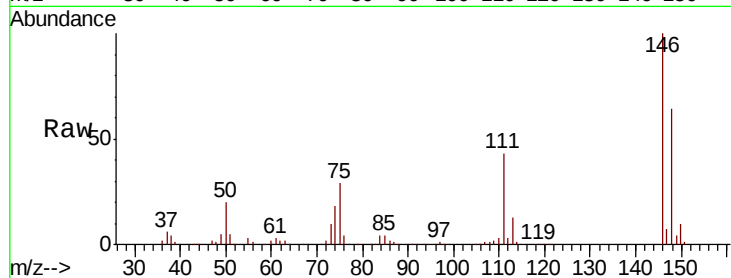




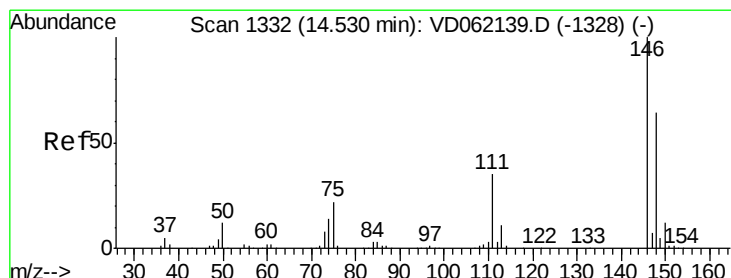
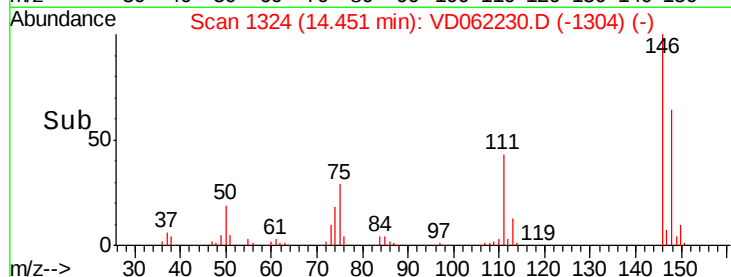
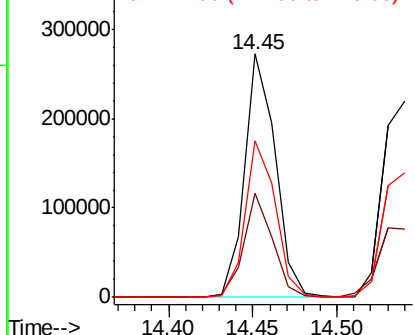
#87
 1,3-Dichlorobenzene
 Concen: 24.114 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBS01

Tot Ion:146 Resp: 345733
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.0 60.0
 148 64.1 31.8 95.4

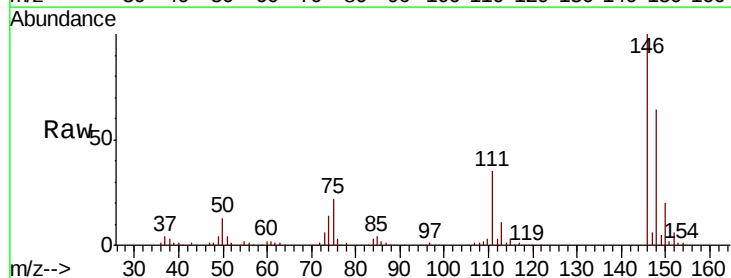


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

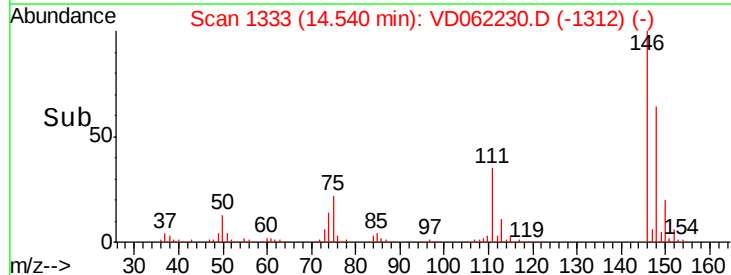
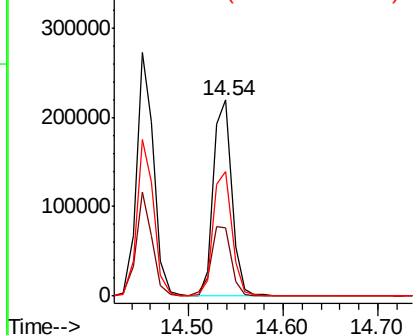


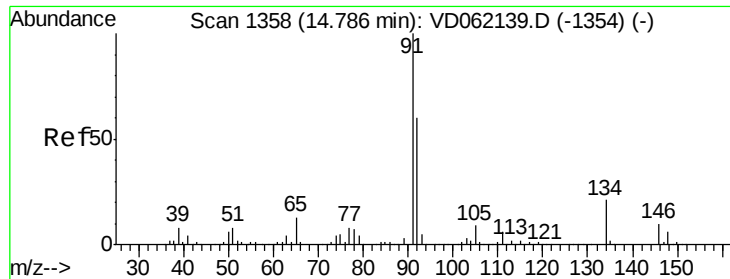
#88
 1,4-Dichlorobenzene
 Concen: 21.275 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Tgt Ion:146 Resp: 299704
 Ion Ratio Lower Upper
 146 100
 111 35.1 20.2 60.5
 148 63.7 32.0 96.2



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

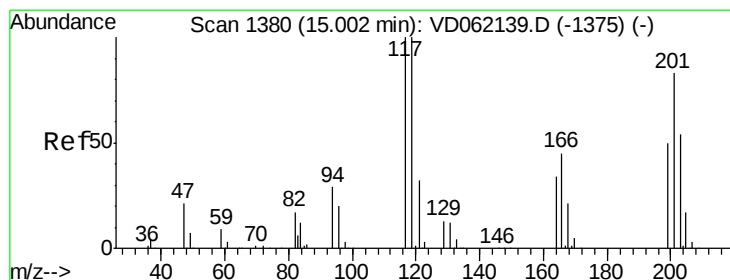
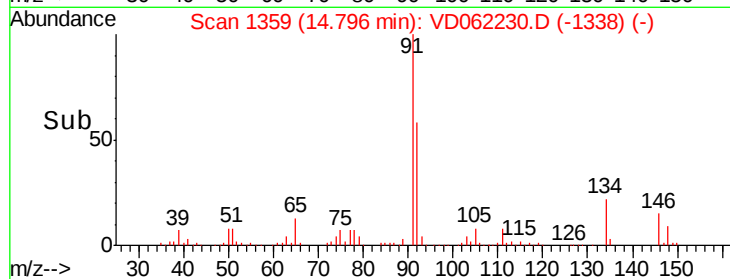
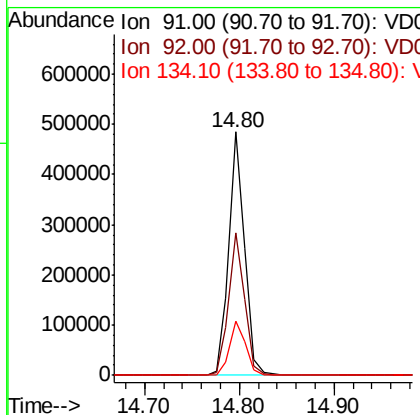
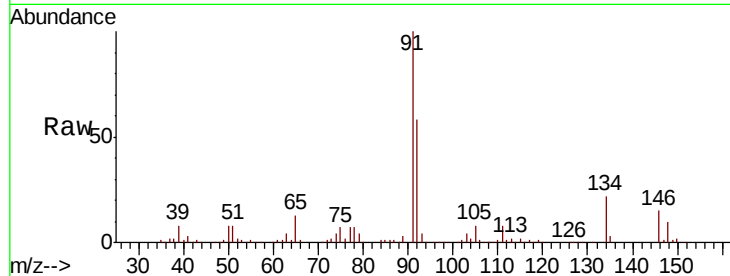




#89
n-Butylbenzene
Concen: 23.966 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

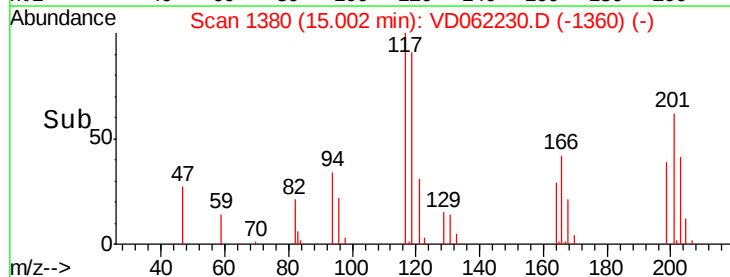
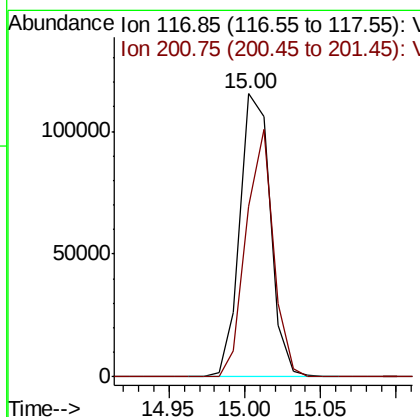
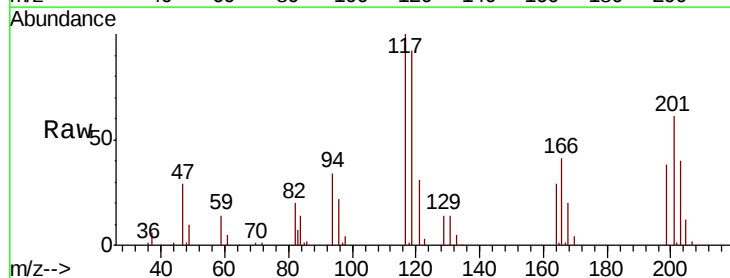
Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

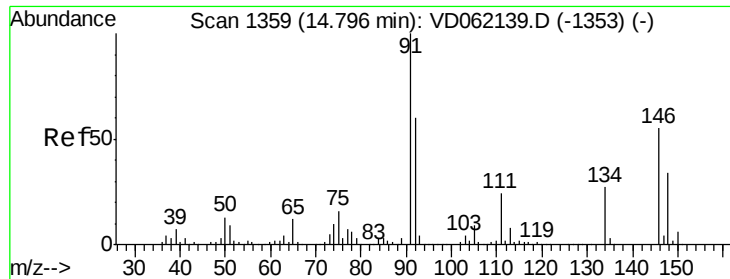
Tot Ion: 91 Resp: 559166
Ion Ratio Lower Upper
91 100
92 58.4 30.3 91.0
134 22.3 14.5 43.6



#90
Hexachloroethane
Concen: 22.839 ug/l
RT: 15.00 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion: 117 Resp: 161453
Ion Ratio Lower Upper
117 100
201 60.5 30.2 90.6

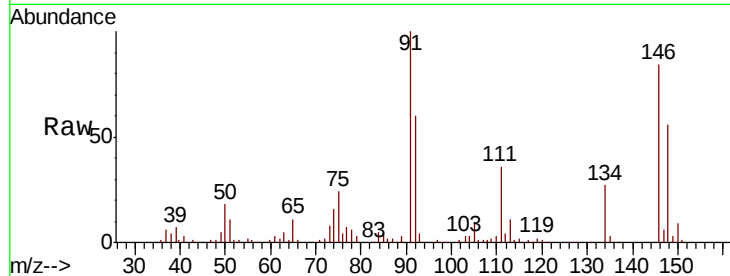




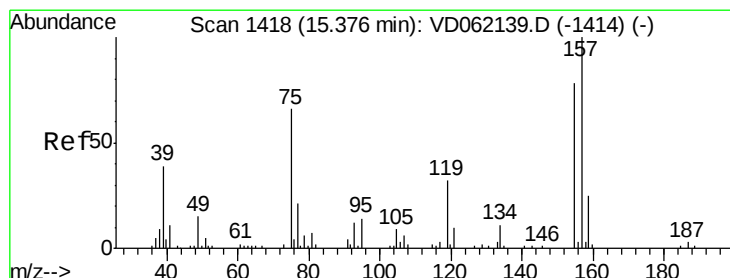
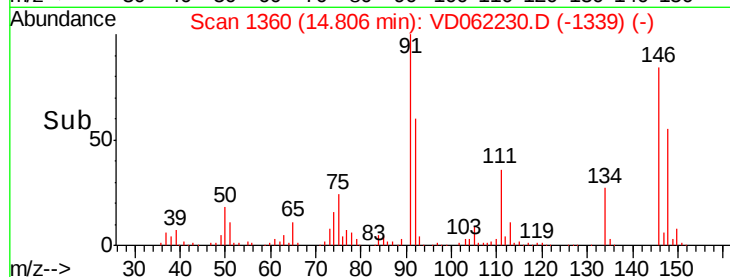
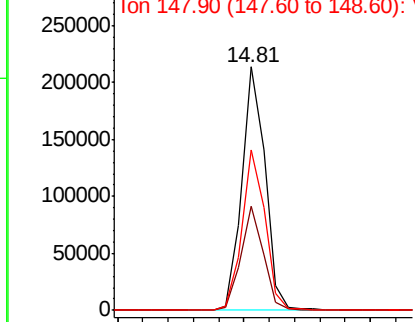
#91
 1,2-Dichlorobenzene
 Concen: 23.145 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBS01

Tot Ion:146 Resp: 273284
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.0 59.9
 148 65.8 32.3 96.8

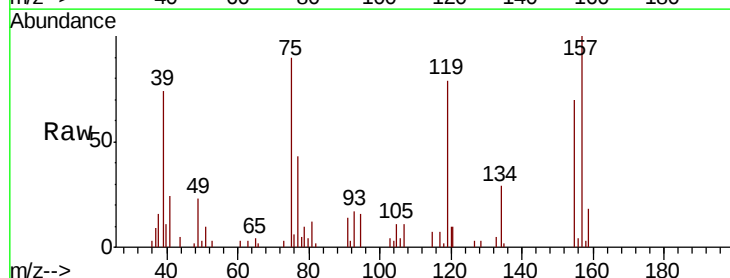


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

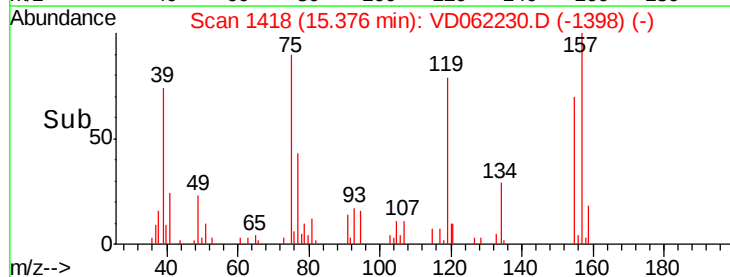
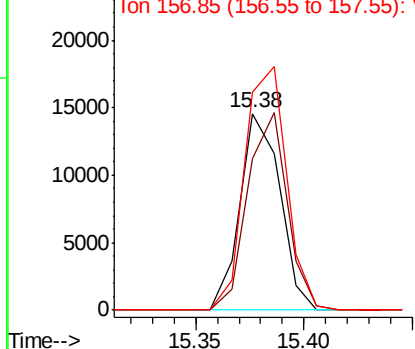


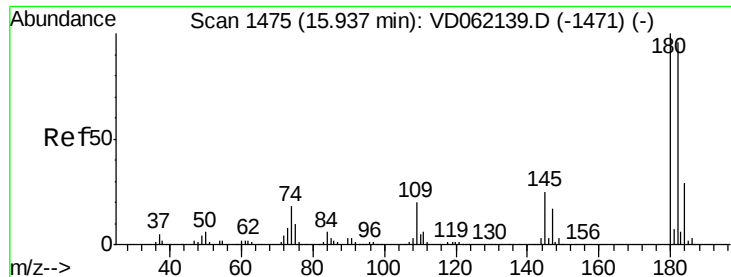
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.394 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Tgt Ion: 75 Resp: 18640
 Ion Ratio Lower Upper
 75 100
 155 77.3 55.3 165.8
 157 111.2 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

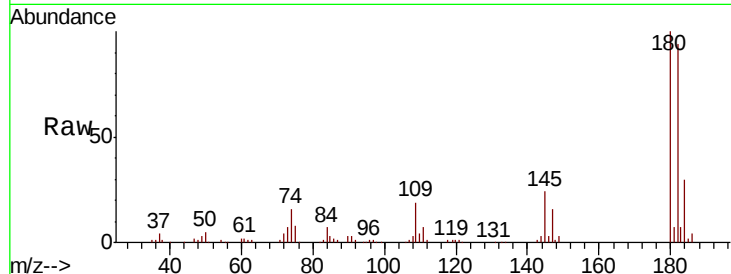




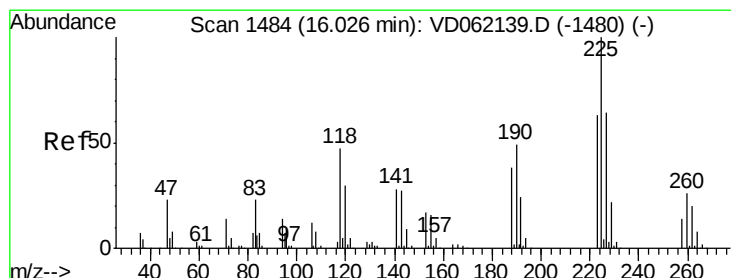
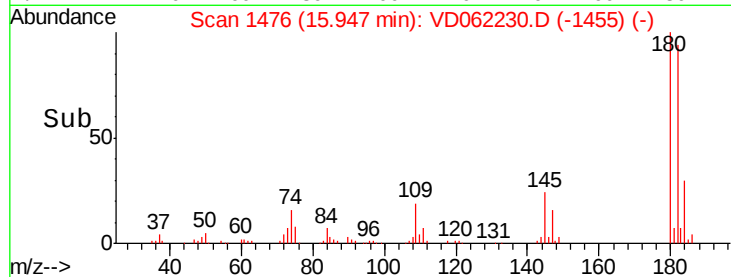
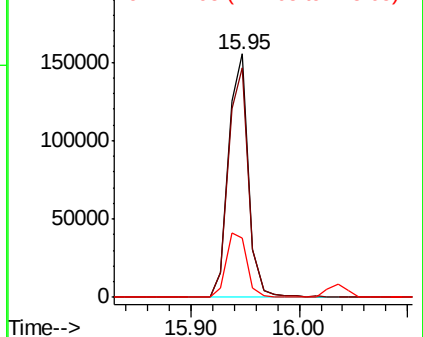
#93
 1,2,4-Trichlorobenzene
 Concen: 23.228 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0511SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	49.3	147.8
145	24.1	16.2	48.6

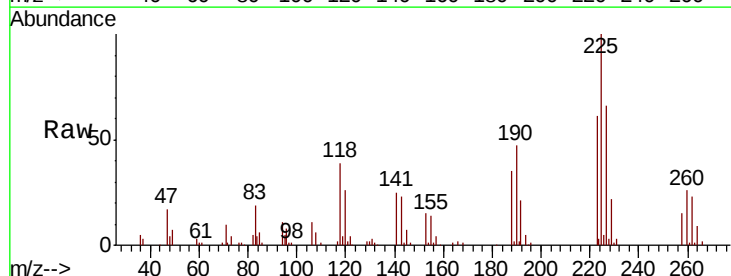


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

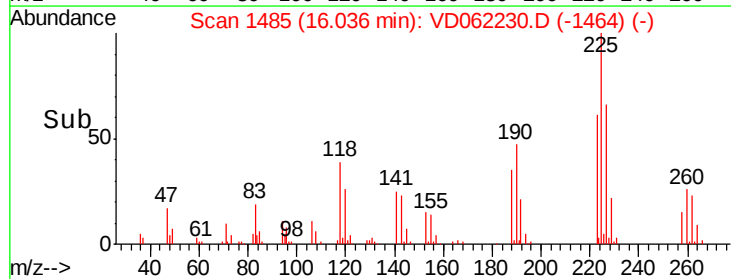
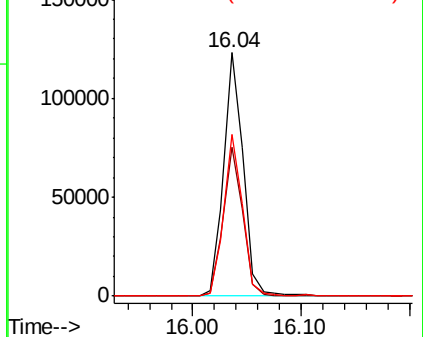


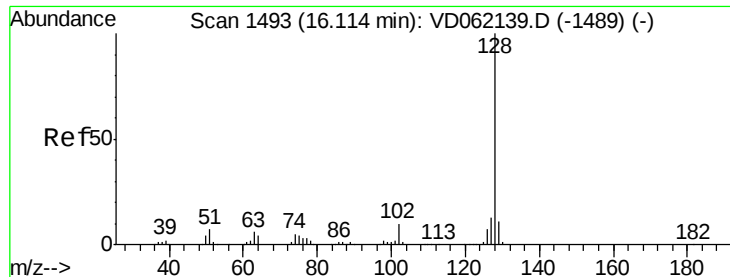
#94
 Hexachlorobutadiene
 Concen: 24.269 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062230.D
 Acq: 11 May 2019 11:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.6	92.0
227	66.4	32.0	96.2



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

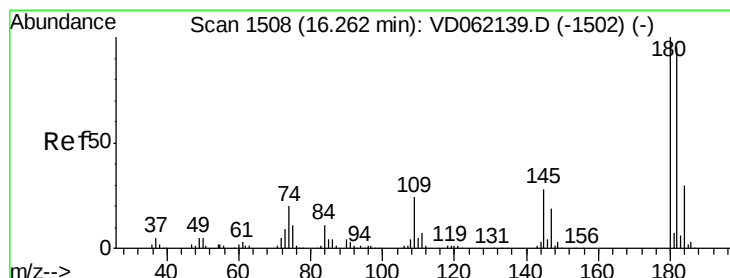
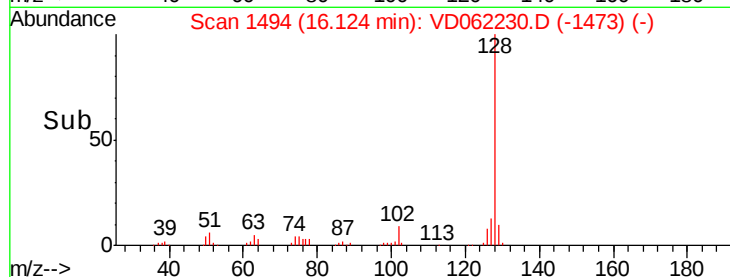
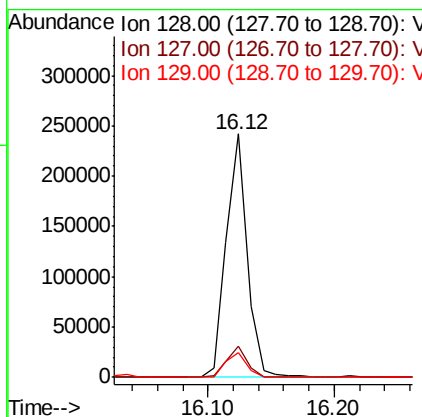
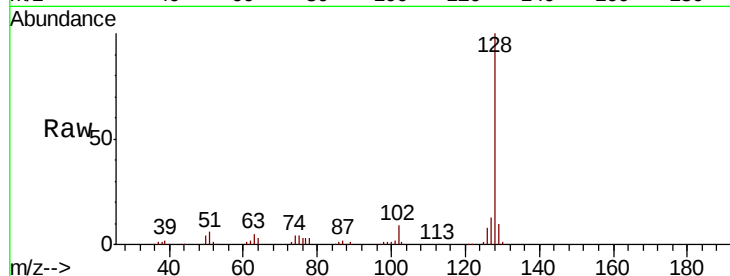




#95
Naphthalene
Concen: 23.134 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0511SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.8	14.8
129	10.2	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.957 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062230.D
Acq: 11 May 2019 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.0	141.0
145	28.5	17.0	51.0

