

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062167.D
 Acq On : 8 May 2019 12:03
 Operator : FY/SY
 Sample : VD0508SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Quant Time: May 09 01:23:03 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	7.02	168	856332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1207619	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1026975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	502377	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	436399	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
35) Dibromofluoromethane	6.90	113	544398	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
50) Toluene-d8	10.39	98	1276550	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	13.54	95	528567	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	161051	19.664	ug/l	100
3) Chloromethane	1.73	50	107217	18.117	ug/l	98
4) Vinyl Chloride	1.83	62	102273	17.585	ug/l	98
5) Bromomethane	2.13	94	34041	24.979	ug/l	90
6) Chloroethane	2.23	64	36241	14.850	ug/l	97
7) Trichlorofluoromethane	2.50	101	202358	17.896	ug/l	97
8) Diethyl Ether	2.85	74	41609	19.080	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.13	101	155393	18.167	ug/l	96
10) Methyl Iodide	3.28	142	187992	14.542	ug/l	90
11) Tert butyl alcohol	4.04	59	40369	99.379	ug/l #	93
12) 1,1-Dichloroethene	3.11	96	111925	17.142	ug/l	97
13) Acrolein	3.01	56	46161	109.868	ug/l	95
14) Allyl chloride	3.59	41	164539	17.331	ug/l	87
15) Acrylonitrile	4.17	53	105469	98.780	ug/l	92
16) Acetone	3.21	43	166321	99.660	ug/l #	88
17) Carbon Disulfide	3.35	76	300571	16.002	ug/l	100
18) Methyl Acetate	3.62	43	53138	17.606	ug/l	93
19) Methyl tert-butyl Ether	4.21	73	267082	19.084	ug/l	97
20) Methylene Chloride	3.79	84	174736	25.076	ug/l	91
21) trans-1,2-Dichloroethene	4.19	96	130522	17.964	ug/l	94
22) Diisopropyl ether	5.09	45	391449	19.376	ug/l	97
23) Vinyl Acetate	5.03	43	1124408	105.489	ug/l	96
24) 1,1-Dichloroethane	4.95	63	234750	19.262	ug/l	99
25) 2-Butanone	6.04	43	189368	104.029	ug/l	97
26) 2,2-Dichloropropane	5.99	77	243294	20.041	ug/l	97
27) cis-1,2-Dichloroethene	6.01	96	155760	19.152	ug/l	93
28) Bromochloromethane	6.41	49	102166	21.307	ug/l	88
29) Tetrahydrofuran	6.42	42	84677	100.957	ug/l	94
30) Chloroform	6.64	83	300898	20.486	ug/l	97
31) Cyclohexane	6.93	56	153796	18.420	ug/l	96
32) 1,1,1-Trichloroethane	6.84	97	280143	20.179	ug/l	96
36) 1,1-Dichloropropene	7.11	75	196171	19.813	ug/l	94
37) Ethyl Acetate	6.15	43	88370	21.045	ug/l	95
38) Carbon Tetrachloride	7.08	117	263563	19.232	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	181562	19.139	ug/l	99
40) Benzene	7.43	78	446794	19.983	ug/l	98
41) Methacrylonitrile	6.42	41	105145	20.491	ug/l #	88
42) 1,2-Dichloroethane	7.55	62	181173	19.125	ug/l	93
43) Isopropyl Acetate	9.21	43	125544	21.082	ug/l	98
44) Trichloroethene	8.51	130	168151	19.737	ug/l	84
45) 1,2-Dichloropropane	8.91	63	112662	20.372	ug/l	96
46) Dibromomethane	9.04	93	92535	20.576	ug/l	91
47) Bromodichloromethane	9.36	83	224476	20.406	ug/l	97
48) Methyl methacrylate	9.10	41	89339	24.355	ug/l	88
49) 1,4-Dioxane	9.05	88	16092	406.596	ug/l #	85
51) 4-Methyl-2-Pentanone	10.28	43	422415	110.348	ug/l	96
52) Toluene	10.49	92	297643	20.460	ug/l	97
53) t-1,3-Dichloropropene	10.89	75	188631	19.840	ug/l	96
54) cis-1,3-Dichloropropene	10.02	75	220148	21.226	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	114076	22.163	ug/l	99
56) Ethyl methacrylate	11.02	69	109397	20.453	ug/l	90
57) 1,3-Dichloropropane	11.38	76	155289	19.970	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	313321	107.242	ug/l	100
59) 2-Hexanone	11.51	43	300153	106.385	ug/l	93
60) Dibromochloromethane	11.67	129	181700	20.426	ug/l	98
61) 1,2-Dibromoethane	11.79	107	130588	20.868	ug/l	96
64) Tetrachloroethene	11.24	164	153815	19.154	ug/l	95
65) Chlorobenzene	12.38	112	384574	20.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	160577	19.289	ug/l	98
67) Ethyl Benzene	12.51	91	643484	20.095	ug/l	98
68) m/p-Xylenes	12.65	106	475742	40.834	ug/l	95
69) o-Xylene	13.04	106	228078	21.057	ug/l	93
70) Styrene	13.06	104	375170	20.447	ug/l	96
71) Bromoform	13.22	173	112464	19.418	ug/l #	96
73) Isopropylbenzene	13.39	105	606344	20.135	ug/l	98
74) N-amyl acetate	13.25	43	178866	22.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	126603	22.207	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	132660	22.220	ug/l	99
77) Bromobenzene	13.66	156	179985	21.350	ug/l	95
78) n-propylbenzene	13.77	91	810018	22.549	ug/l	98
79) 2-Chlorotoluene	13.82	91	444851	21.622	ug/l	88
80) 1,3,5-Trimethylbenzene	13.92	105	496438	19.577	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.46	75	34669	20.569	ug/l #	82
82) 4-Chlorotoluene	13.93	91	501133	20.699	ug/l	87
83) tert-Butylbenzene	14.18	119	627997	22.033	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	517125	20.321	ug/l	94
85) sec-Butylbenzene	14.36	105	684328	21.898	ug/l	99
86) p-Isopropyltoluene	14.47	119	580142	20.778	ug/l	90
87) 1,3-Dichlorobenzene	14.44	146	339605	22.053	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	312523	20.654	ug/l	98
89) n-Butylbenzene	14.79	91	535467	21.367	ug/l	95
90) Hexachloroethane	15.00	117	172493	22.718	ug/l	90
91) 1,2-Dichlorobenzene	14.80	146	263193	20.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	18596	19.871	ug/l	92

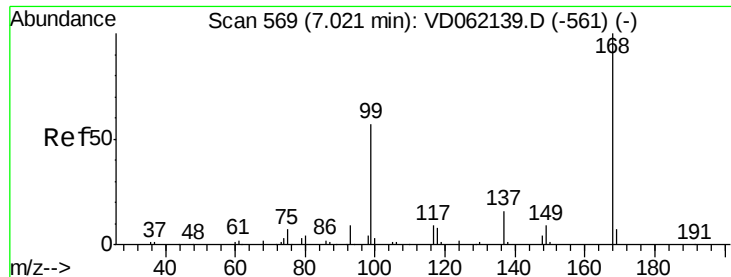
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
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QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	200363	21.705	ug/l	97
94) Hexachlorobutadiene	16.03	225	142980	20.825	ug/l	99
95) Naphthalene	16.11	128	238591	18.513	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	133967	23.082	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

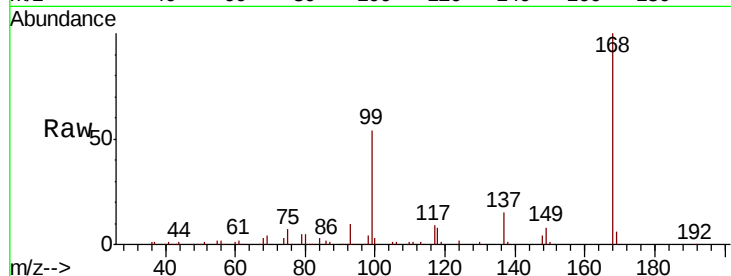
VD0508SBSD01

Tot Ion:168 Resp: 856332

Ion Ratio Lower Upper

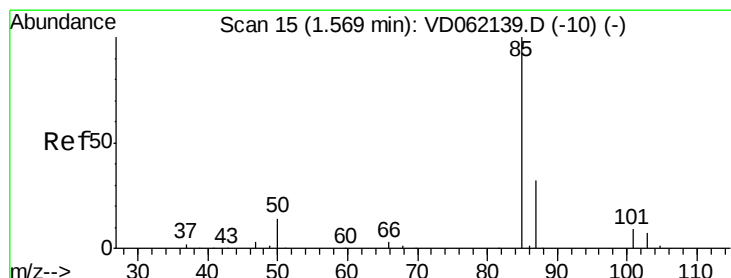
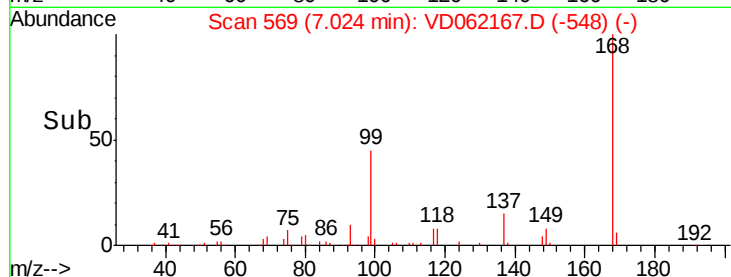
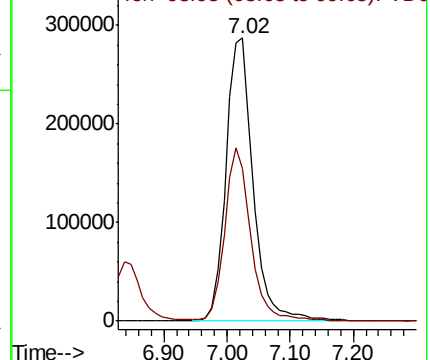
168 100

99 54.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.664 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD062167.D

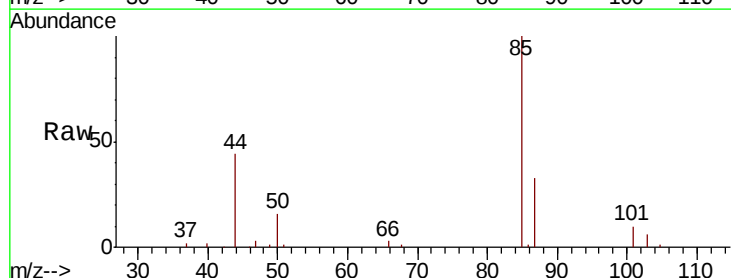
Acq: 8 May 2019 12:03

Tgt Ion: 85 Resp: 161051

Ion Ratio Lower Upper

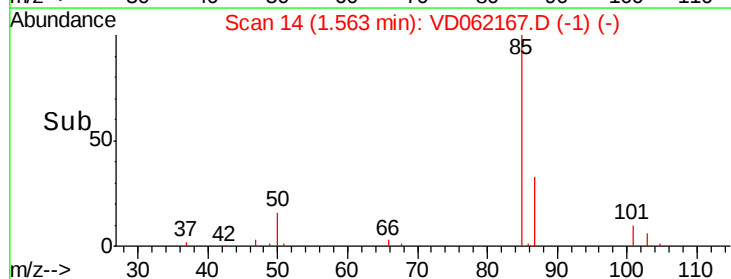
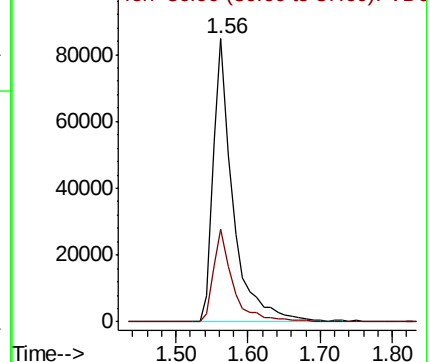
85 100

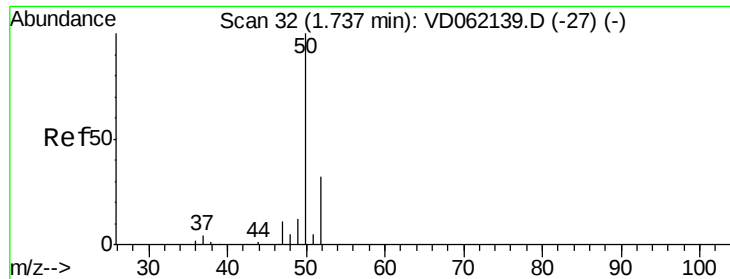
87 32.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.117 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

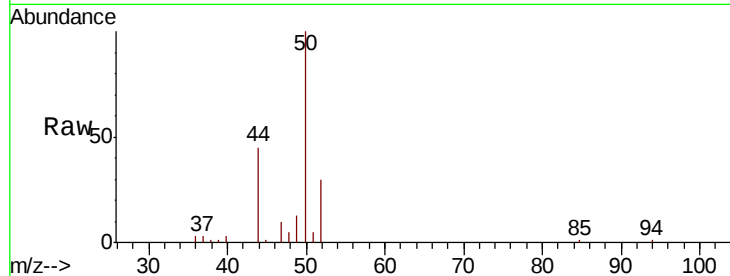
VD0508SBSD01

Tot Ion: 50 Resp: 107217

Ion Ratio Lower Upper

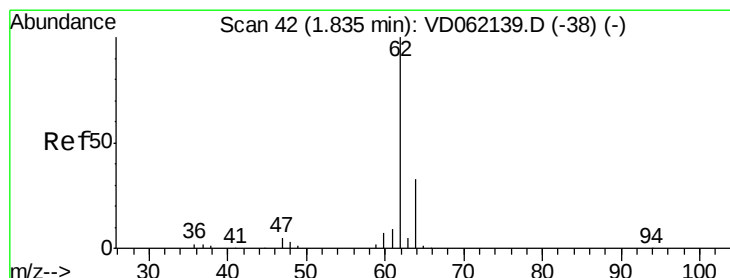
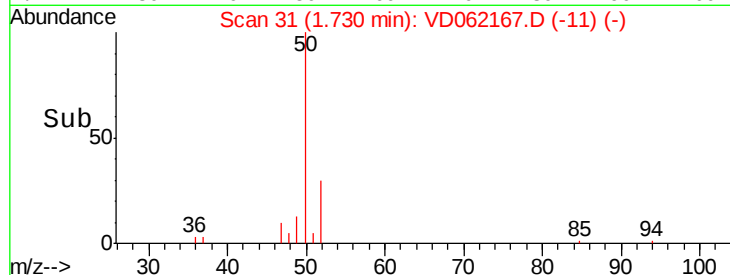
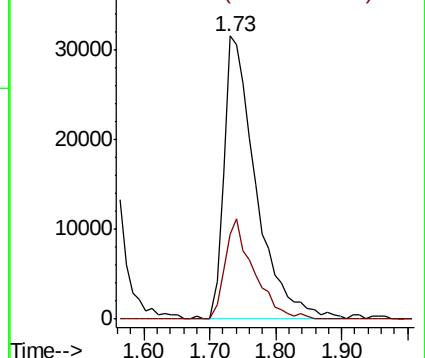
50 100

52 30.1 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: 17.585 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062167.D

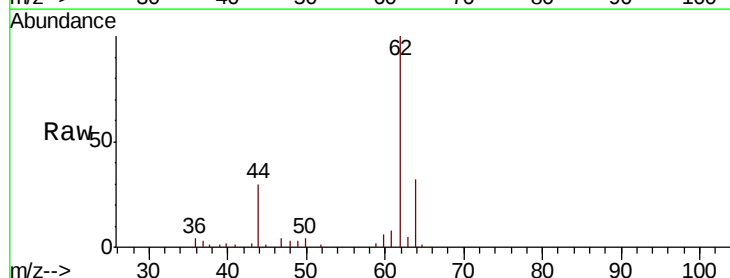
Acq: 8 May 2019 12:03

Tgt Ion: 62 Resp: 102273

Ion Ratio Lower Upper

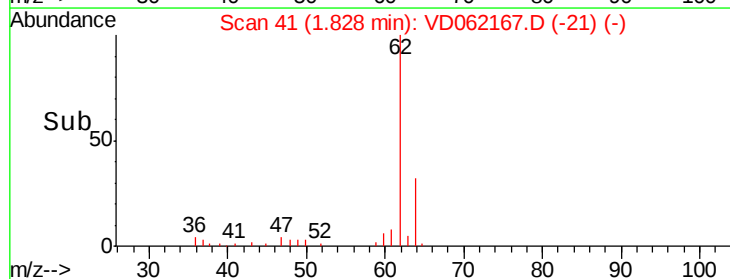
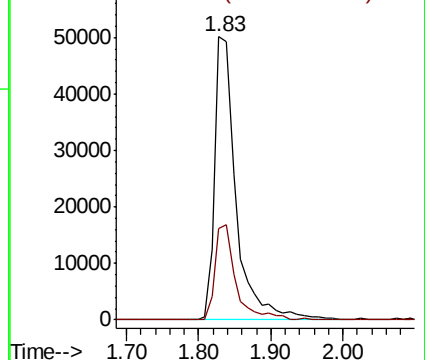
62 100

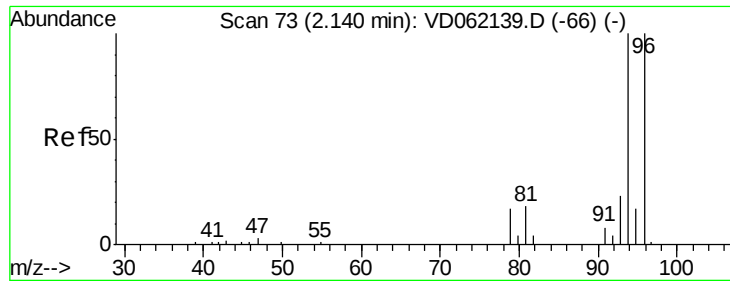
64 32.1 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 24.979 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

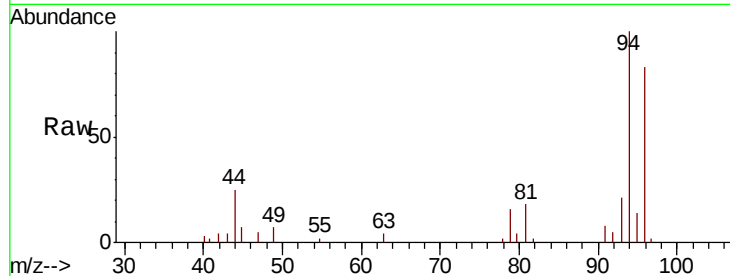
Tot Ion: 94 Resp: 34041

Ion Ratio Lower Upper

94 100

96 84.4 76.6 115.0

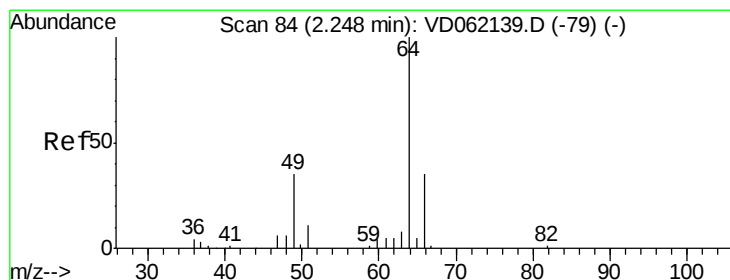
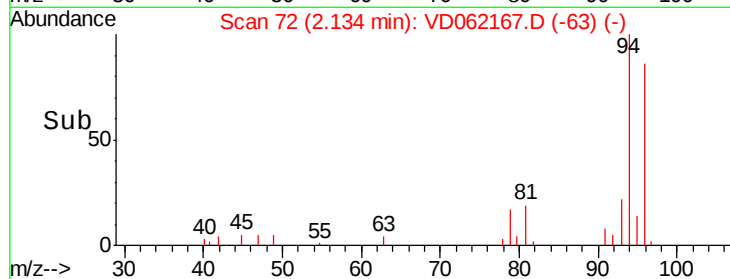
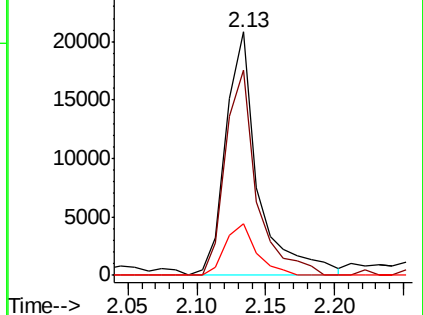
93 21.3 18.5 27.7



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: 14.850 ug/l

RT: 2.23 min Scan# 82

Delta R.T. -0.02 min

Lab File: VD062167.D

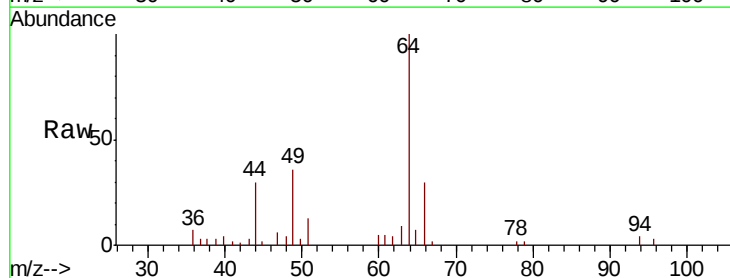
Acq: 8 May 2019 12:03

Tgt Ion: 64 Resp: 36241

Ion Ratio Lower Upper

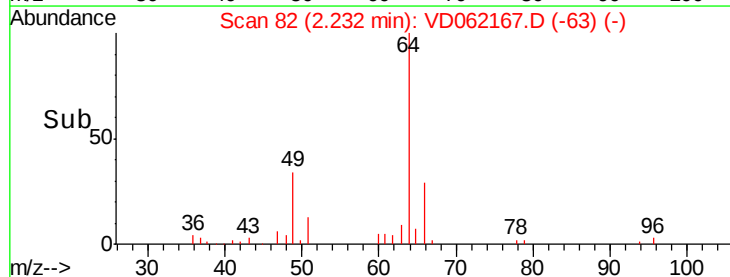
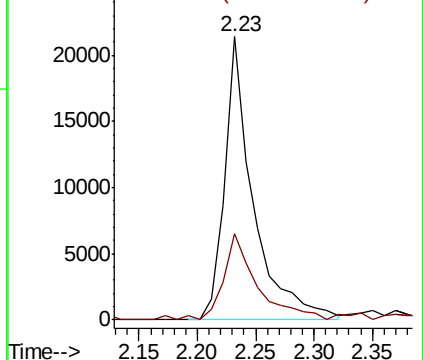
64 100

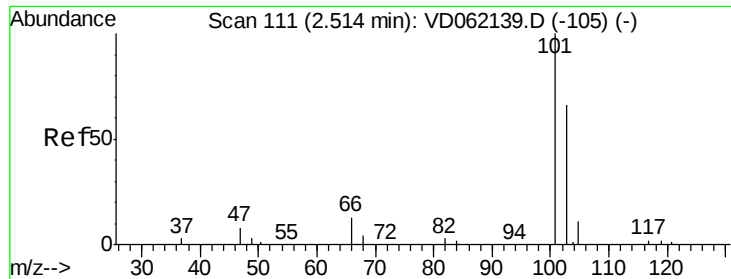
66 30.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



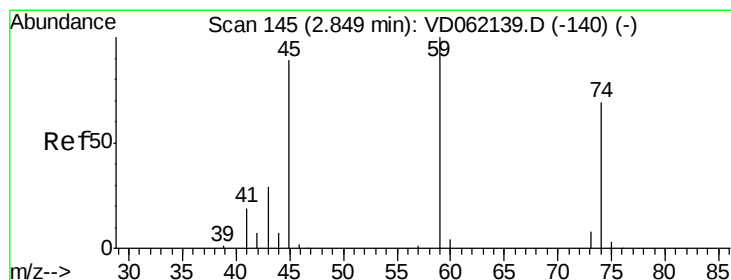
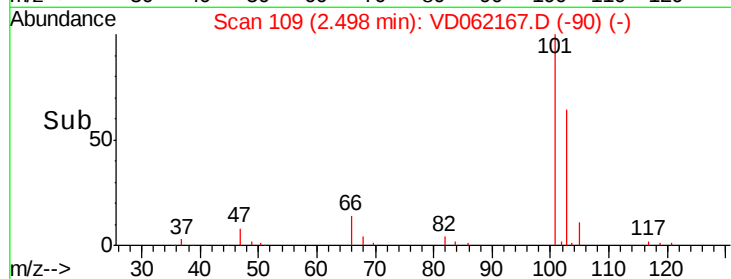
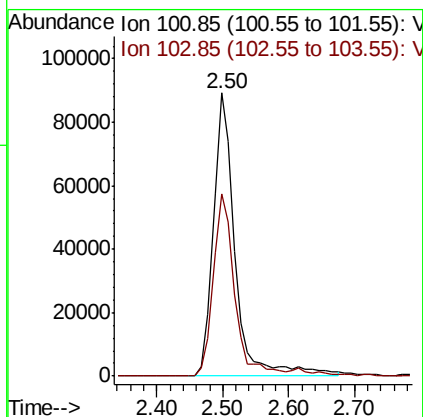
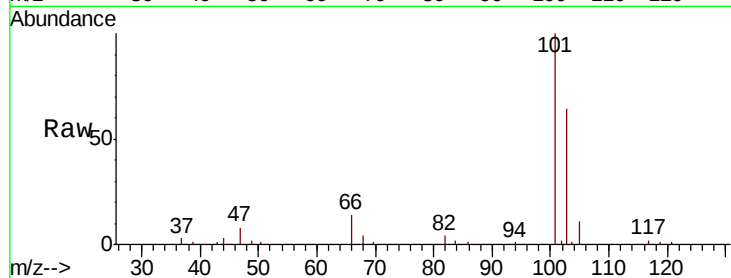


#7

Trichlorofluoromethane
 Concen: 17.896 ug/l
 RT: 2.50 min Scan# 109
 Delta R.T. -0.02 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Instrument :
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 VD0508SBSD01

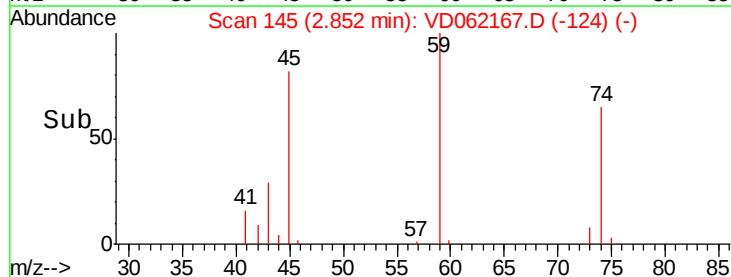
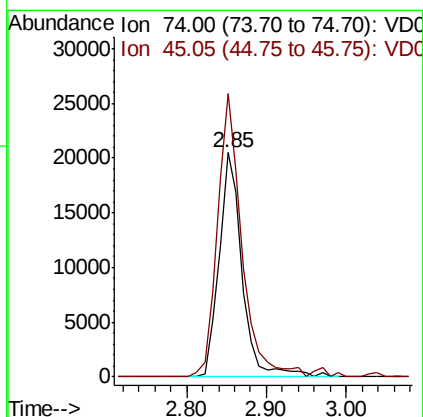
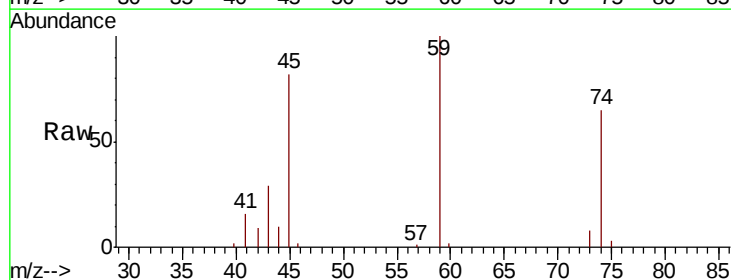
Tot Ion:101 Resp: 202358
 Ion Ratio Lower Upper
 101 100
 103 64.3 53.6 80.4

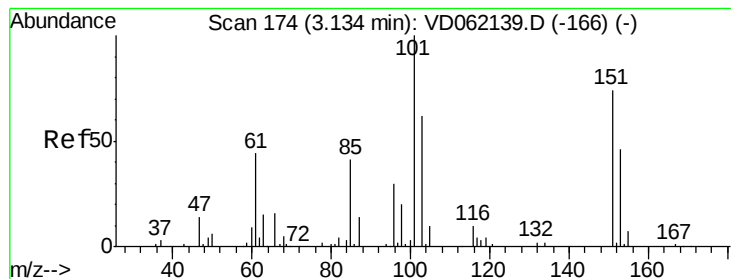


#8

Diethyl Ether
 Concen: 19.080 ug/l
 RT: 2.85 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Tgt Ion: 74 Resp: 41609
 Ion Ratio Lower Upper
 74 100
 45 128.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.167 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

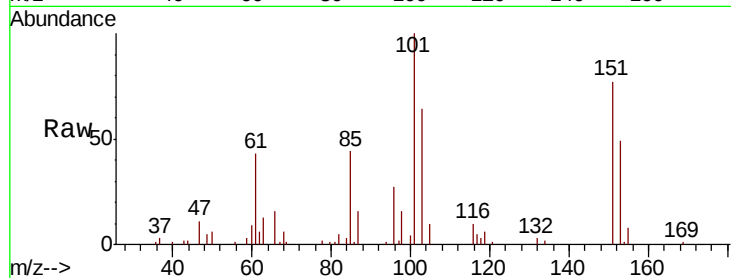
Tot Ion:101 Resp: 155393

Ion Ratio Lower Upper

101 100

85 43.9 32.4 48.6

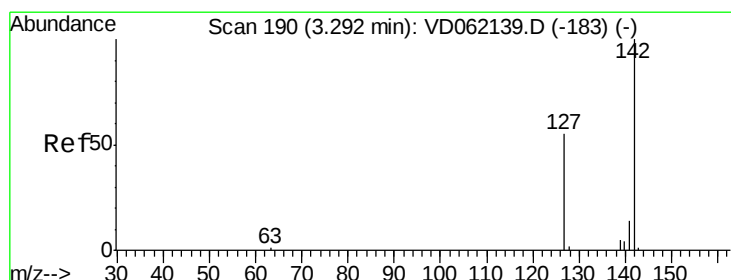
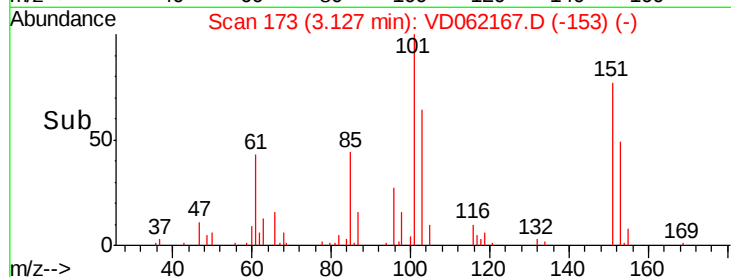
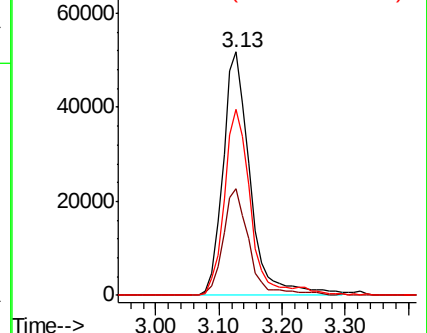
151 76.6 59.4 89.0



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: 14.542 ug/l

RT: 3.28 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

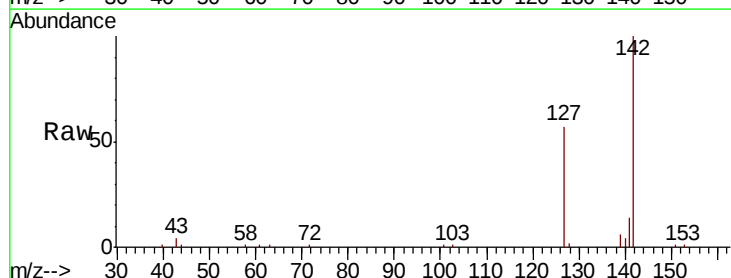
Tgt Ion:142 Resp: 187992

Ion Ratio Lower Upper

142 100

127 57.0 38.8 58.2

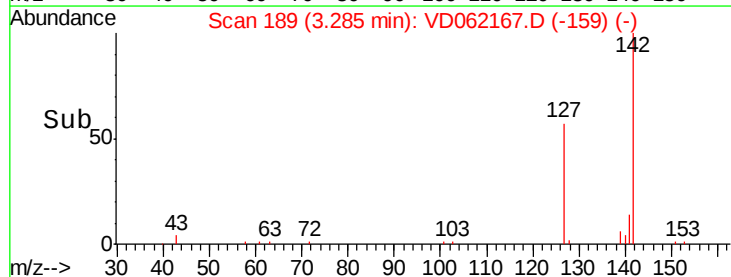
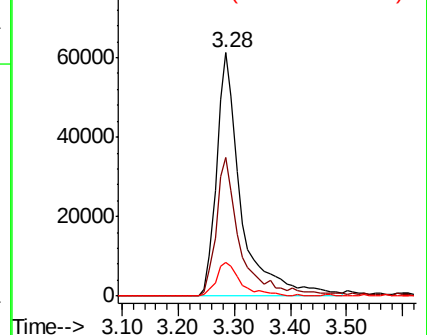
141 13.7 11.4 17.0

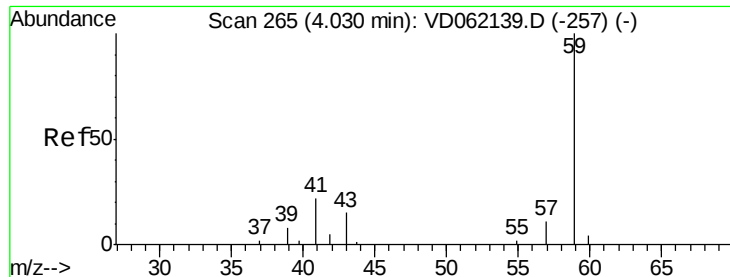


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



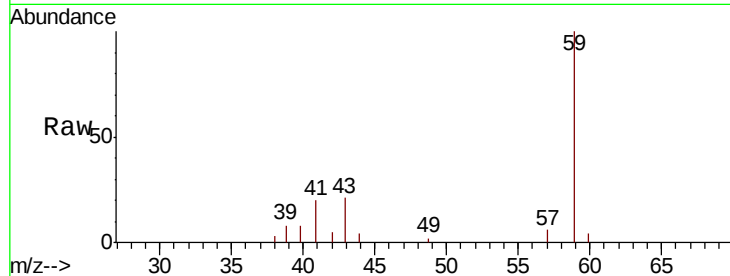


#11

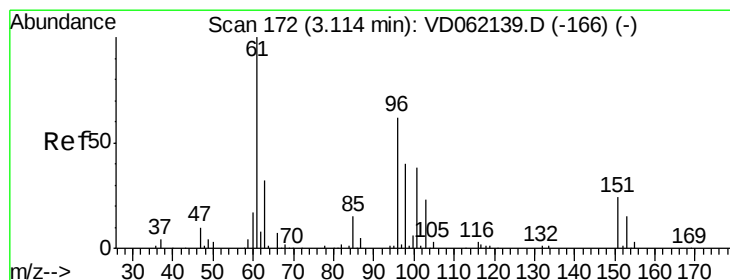
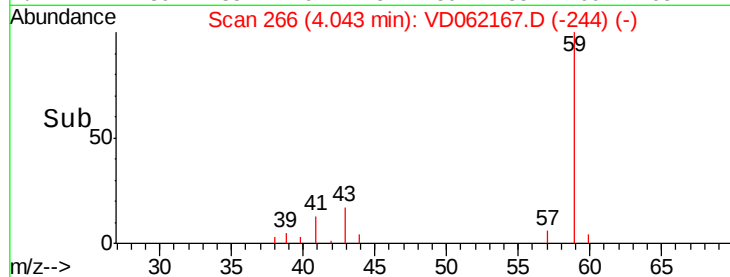
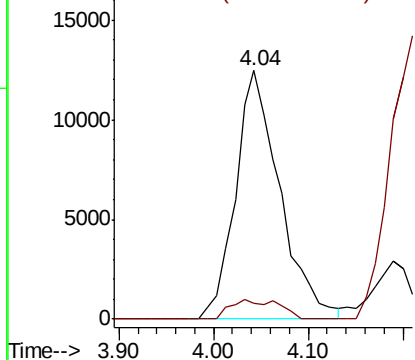
Tert butyl alcohol
 Concen: 99.379 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. 0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBSD01

Tot Ion: 59 Resp: 40369
 Ion Ratio Lower Upper
 59 100
 57 6.3 6.9 10.3#



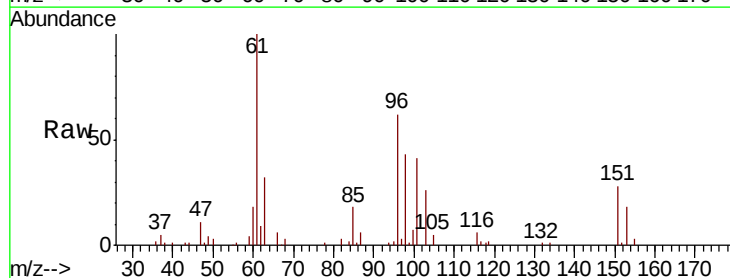
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



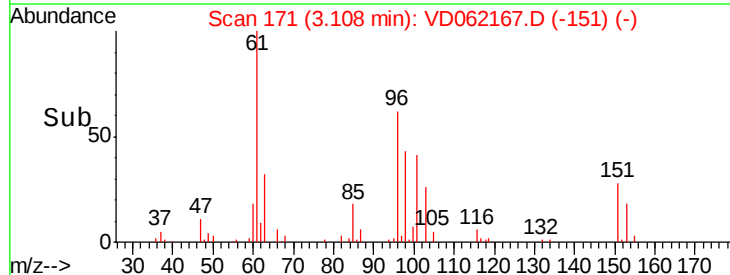
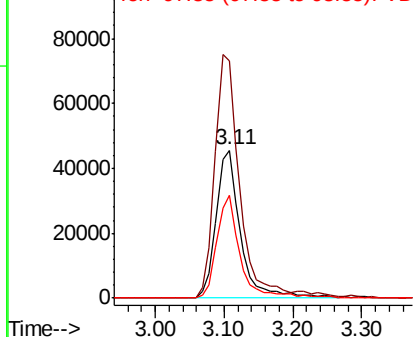
#12

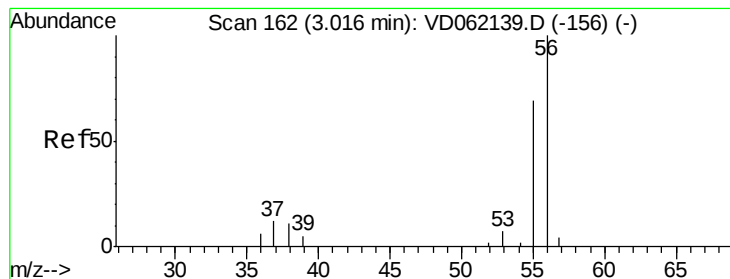
1,1-Dichloroethene
 Concen: 17.142 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Tgt Ion: 96 Resp: 111925
 Ion Ratio Lower Upper
 96 100
 61 160.6 129.8 194.8
 98 69.8 51.2 76.8



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





#13

Acrolein

Concen: 109.868 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

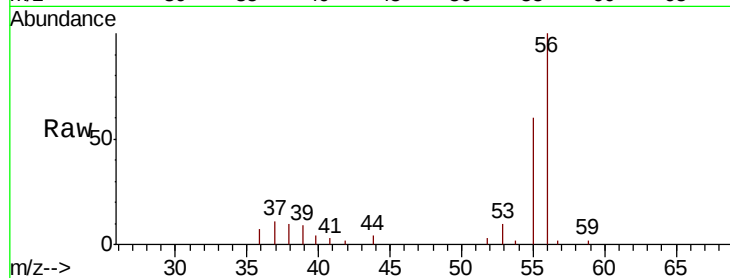
VD0508SBS01

Tot Ion: 56 Resp: 46161

Ion Ratio Lower Upper

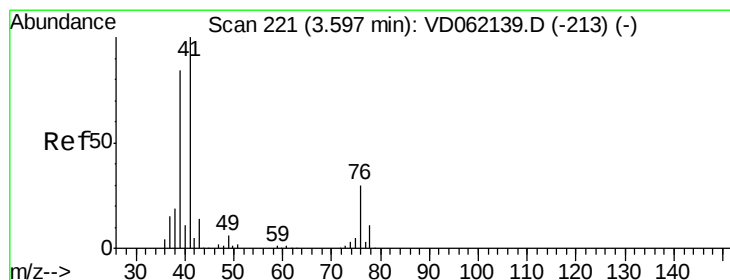
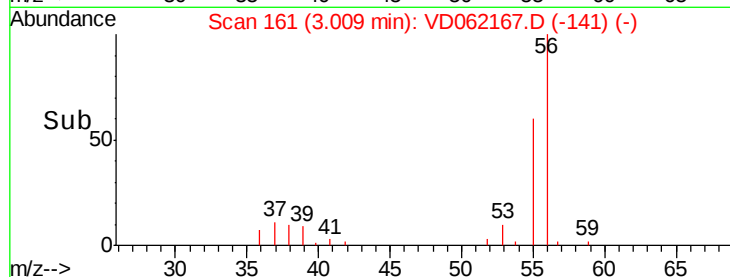
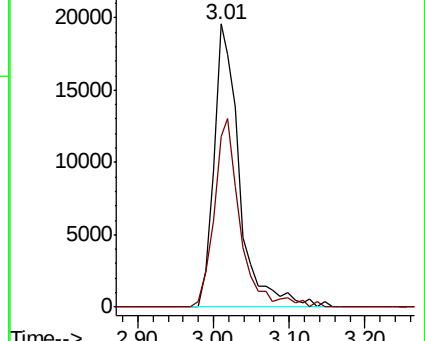
56 100

55 60.3 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.331 ug/l

RT: 3.59 min Scan# 220

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

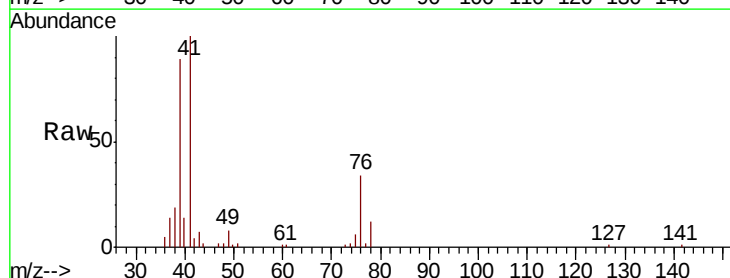
Tgt Ion: 41 Resp: 164539

Ion Ratio Lower Upper

41 100

39 89.1 60.5 90.7

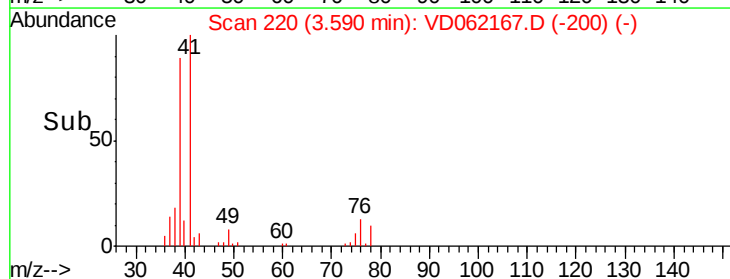
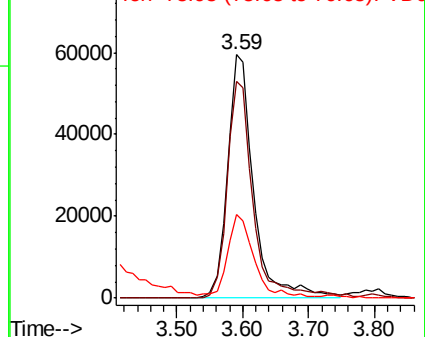
76 34.4 31.8 47.8

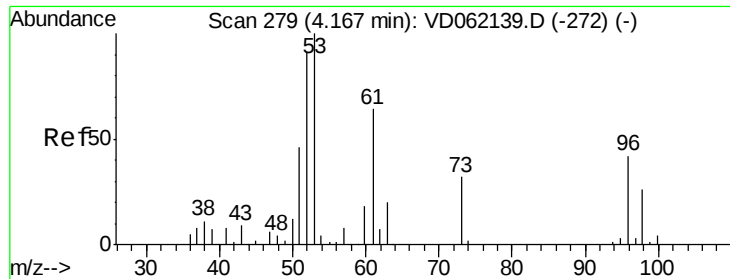


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 98.780 ug/l

RT: 4.17 min Scan# 279

Delta R.T. 0.00 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

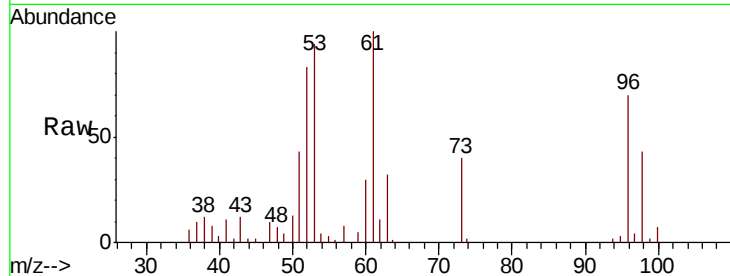
Tot Ion: 53 Resp: 105469

Ion Ratio Lower Upper

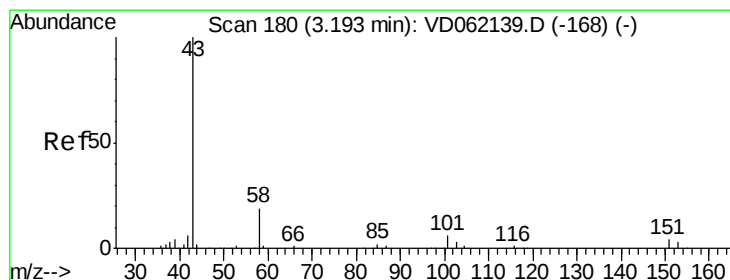
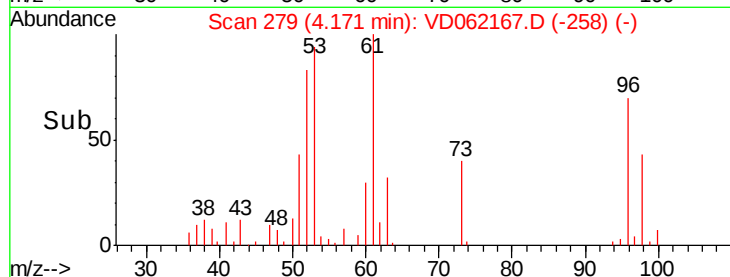
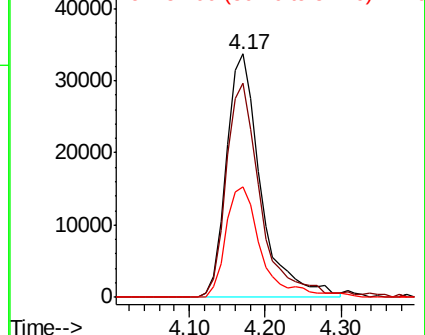
53 100

52 88.2 65.0 97.4

51 45.5 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: 99.660 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD062167.D

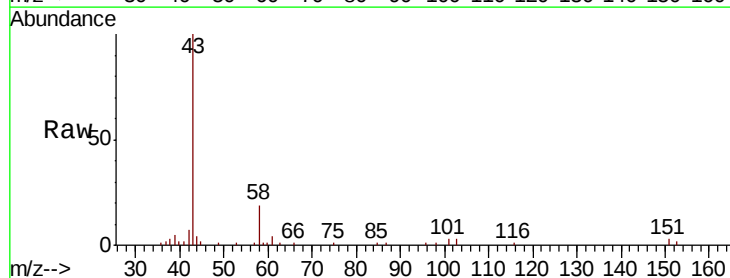
Acq: 8 May 2019 12:03

Tgt Ion: 43 Resp: 166321

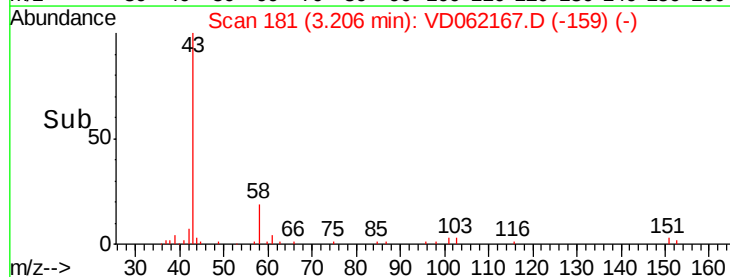
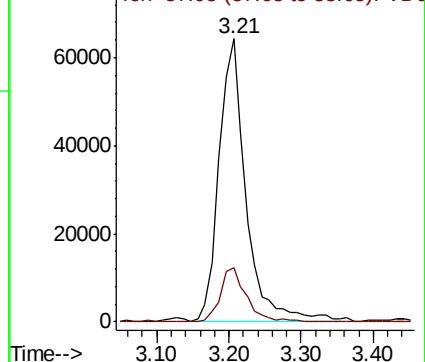
Ion Ratio Lower Upper

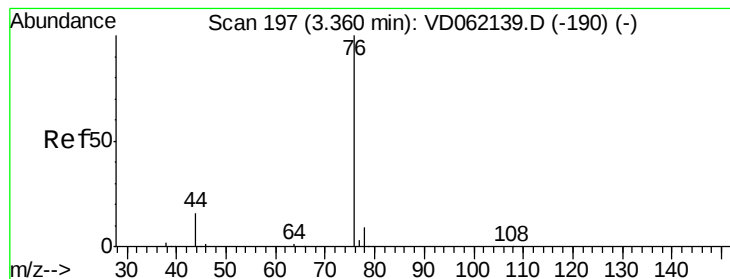
43 100

58 19.0 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: 16.002 ug/l

RT: 3.35 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

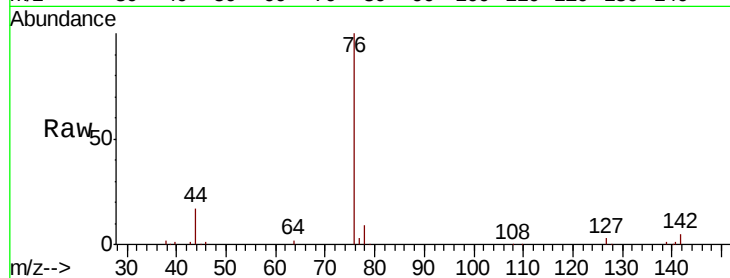
VD0508SBSD01

Tot Ion: 76 Resp: 300571

Ion Ratio Lower Upper

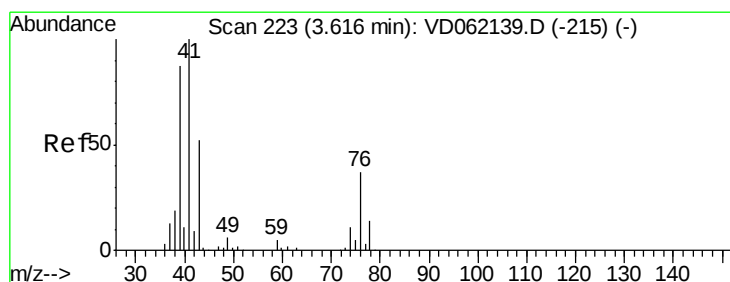
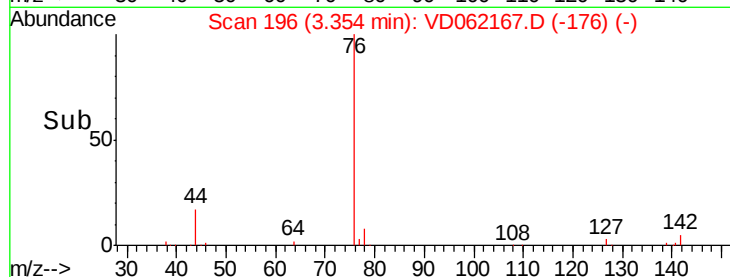
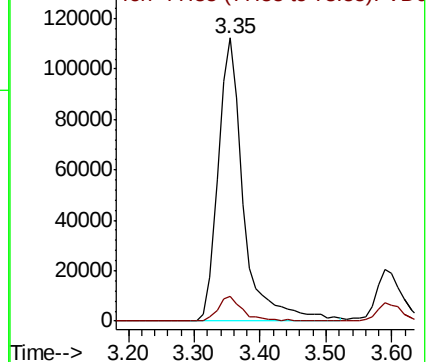
76 100

78 9.0 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: 17.606 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD062167.D

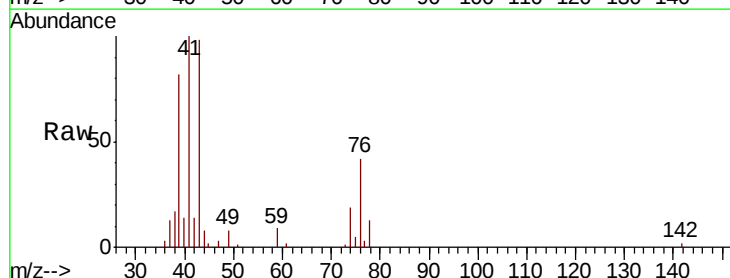
Acq: 8 May 2019 12:03

Tgt Ion: 43 Resp: 53138

Ion Ratio Lower Upper

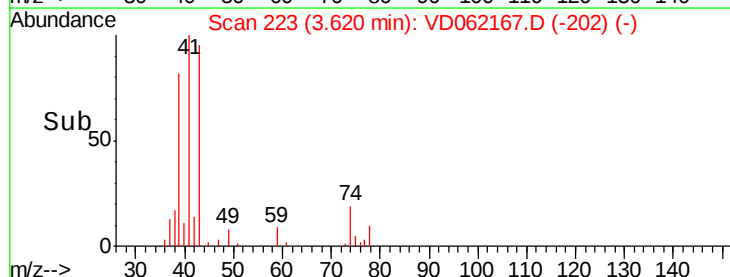
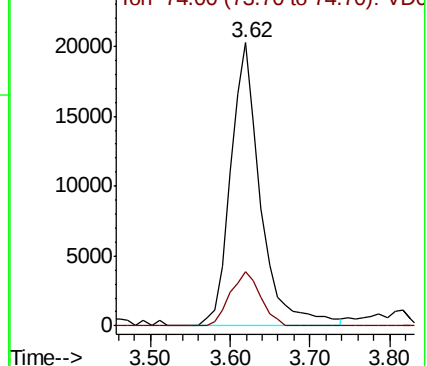
43 100

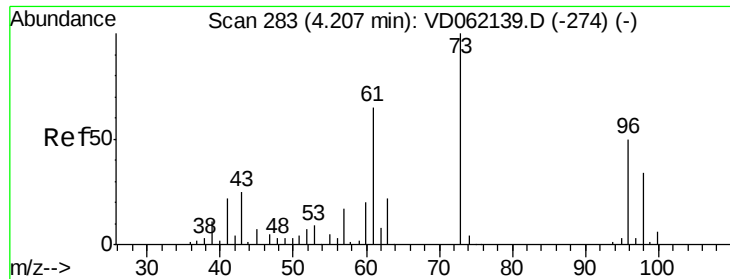
74 19.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

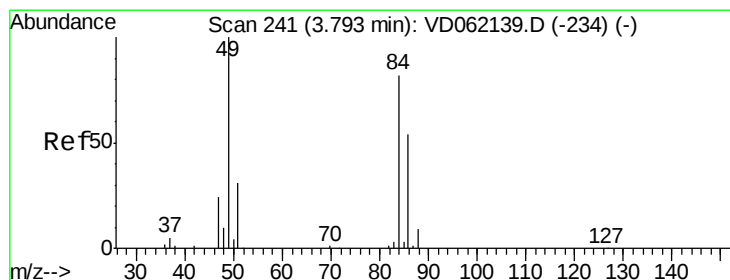
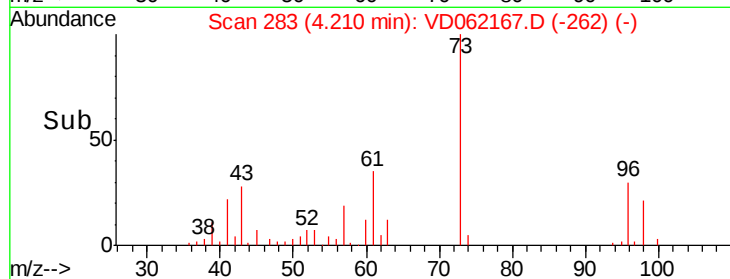
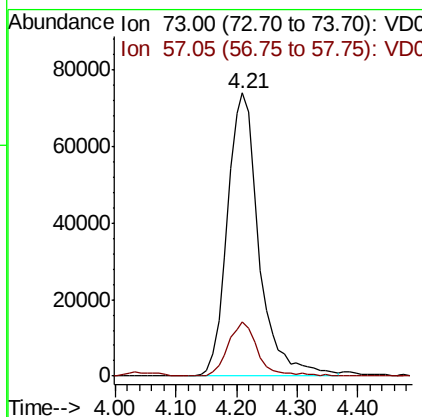
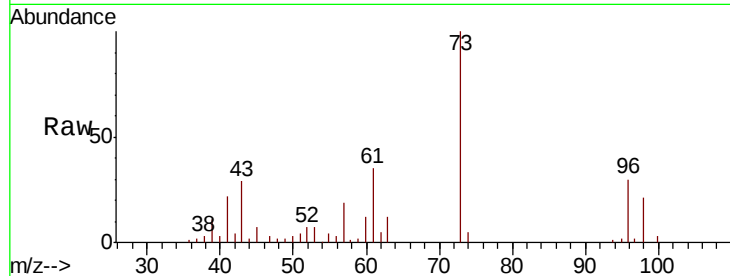




#19
Methyl tert-butyl Ether
Concen: 19.084 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.00 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

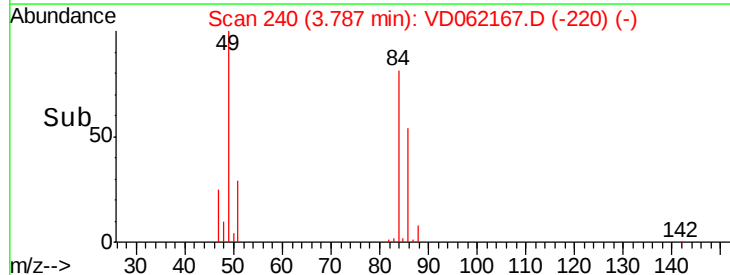
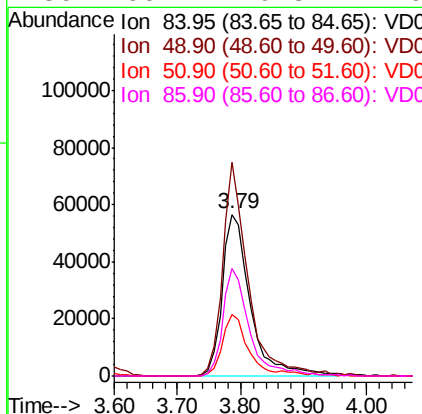
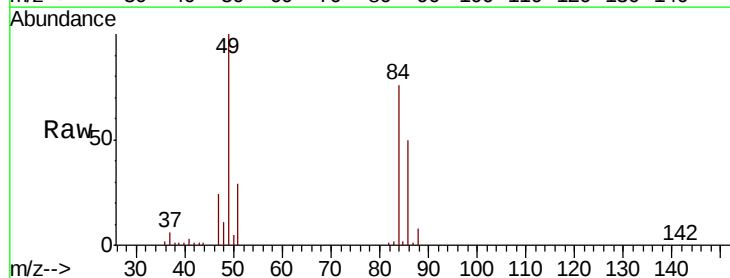
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBSD01

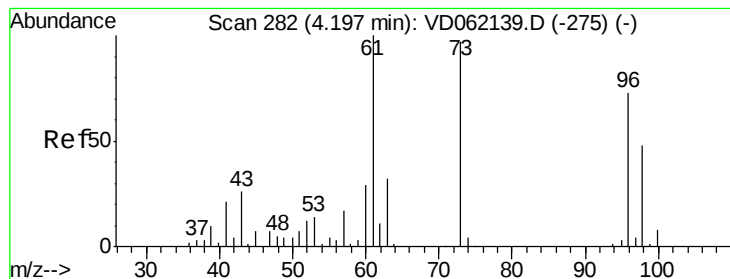
Tot Ion: 73 Resp: 267082
Ion Ratio Lower Upper
73 100
57 19.2 16.3 24.5



#20
Methylene Chloride
Concen: 25.076 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Tgt Ion: 84 Resp: 174736
Ion Ratio Lower Upper
84 100
49 132.2 94.0 141.0
51 38.0 29.0 43.4
86 66.4 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.964 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

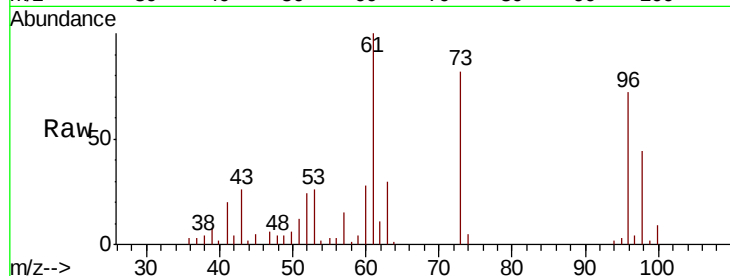
Tot Ion: 96 Resp: 130522

Ion Ratio Lower Upper

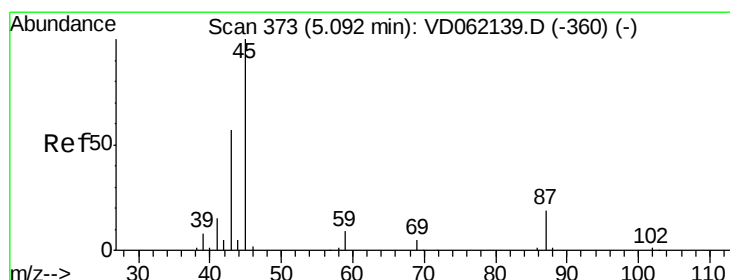
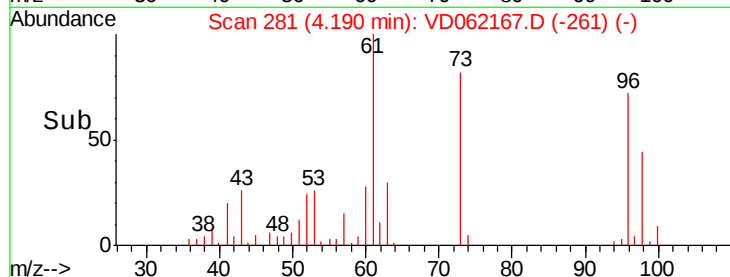
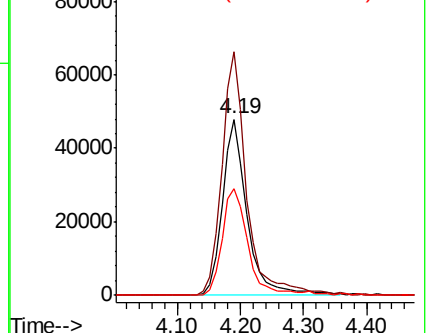
96 100

61 138.3 104.4 156.6

98 60.8 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: 19.376 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Tgt Ion: 45 Resp: 391449

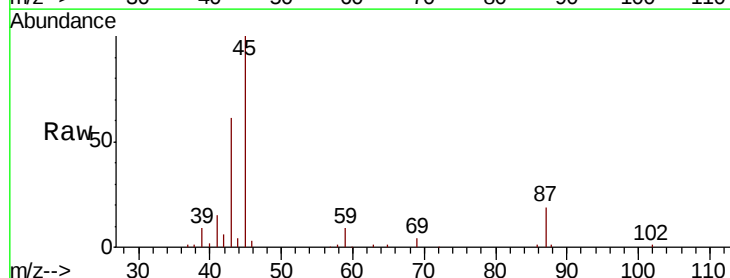
Ion Ratio Lower Upper

45 100

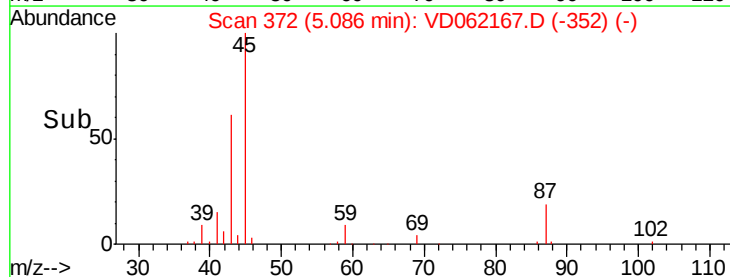
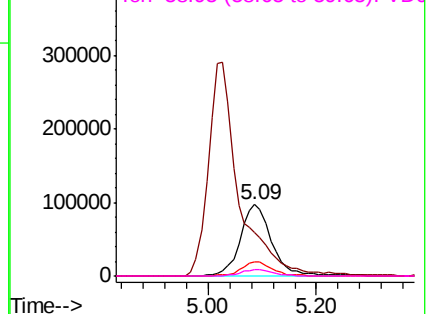
43 60.6 46.2 69.2

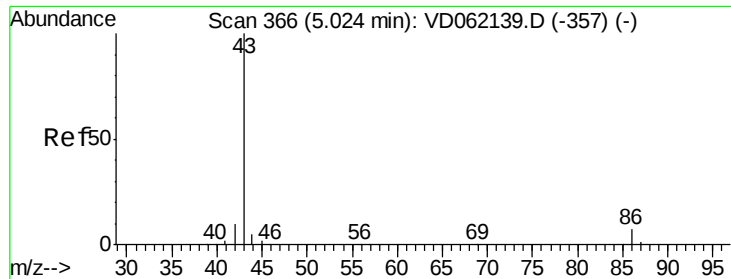
87 19.4 15.9 23.9

59 9.2 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: 105.489 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.00 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

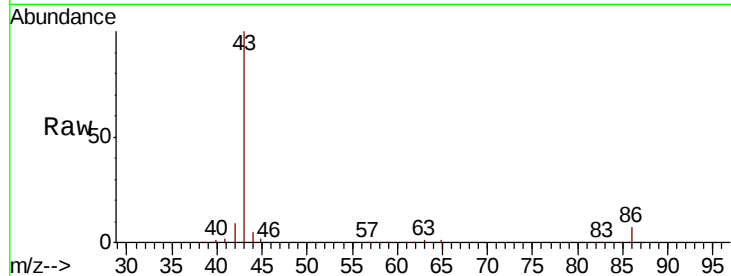
VD0508SBSD01

Tot Ion: 43 Resp: 1124408

Ion Ratio Lower Upper

43 100

86 6.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062139.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VD062139.D (-357) (-)

5.03

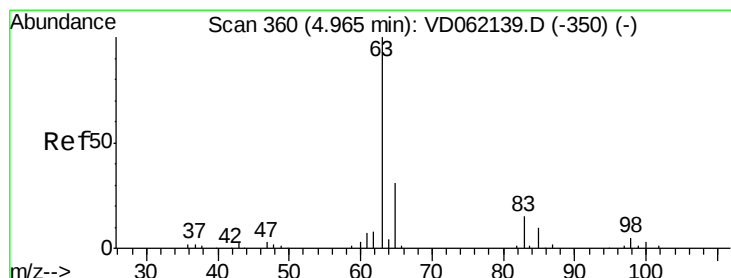
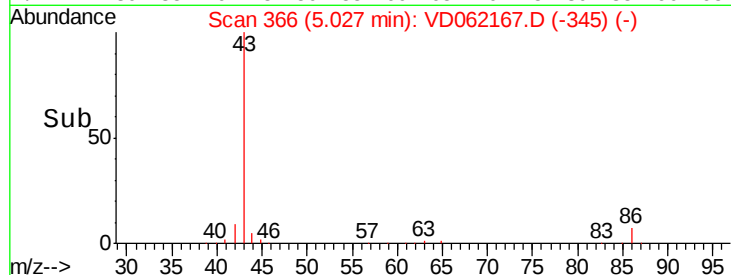
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.262 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.02 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

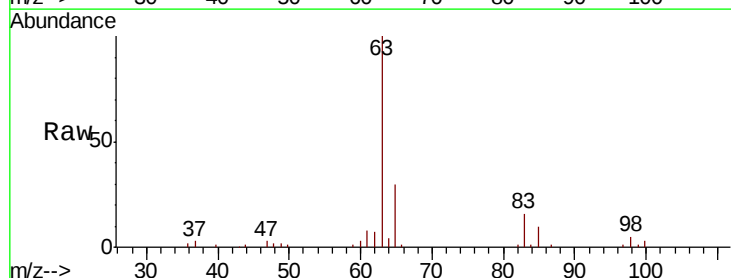
Tgt Ion: 63 Resp: 234750

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 3.2 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD062139.D (-350) (-)

Ion 97.95 (97.65 to 98.65): VD062139.D (-350) (-)

Ion 99.95 (99.65 to 100.65): VD062139.D (-350) (-)

4.95

80000

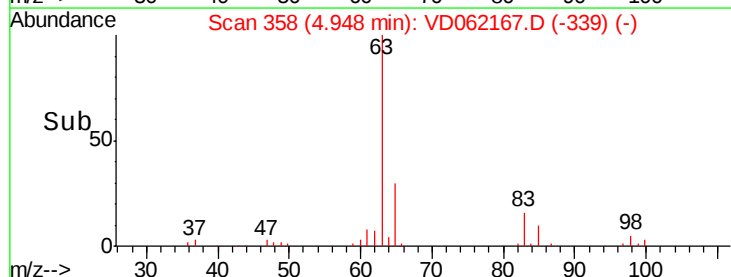
60000

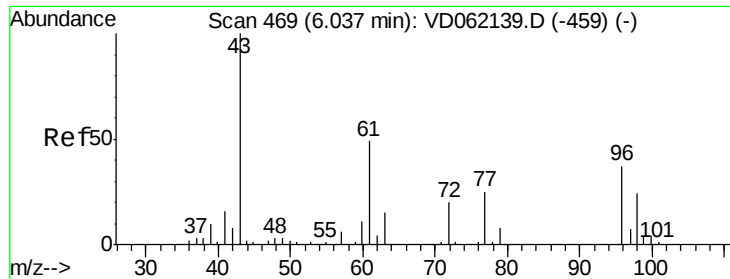
40000

20000

0

Time-->





#25

2-Butanone

Concen: 104.029 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

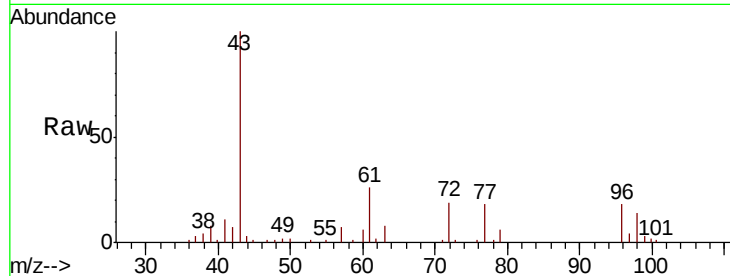
VD0508SBSD01

Tot Ion: 43 Resp: 189368

Ion Ratio Lower Upper

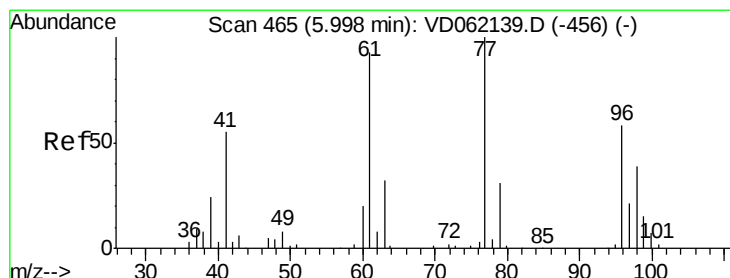
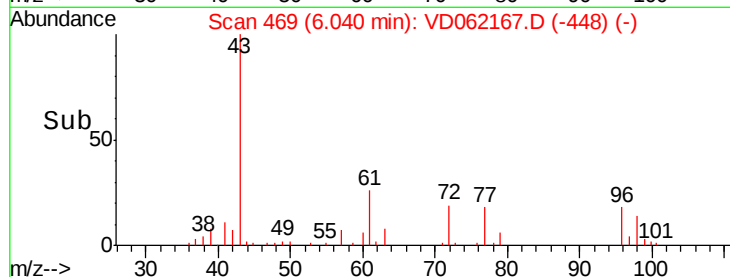
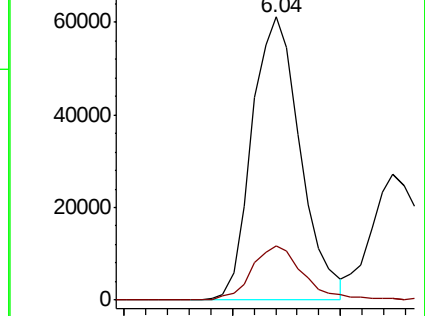
43 100

72 19.1 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: 20.041 ug/l

RT: 5.99 min Scan# 464

Delta R.T. -0.01 min

Lab File: VD062167.D

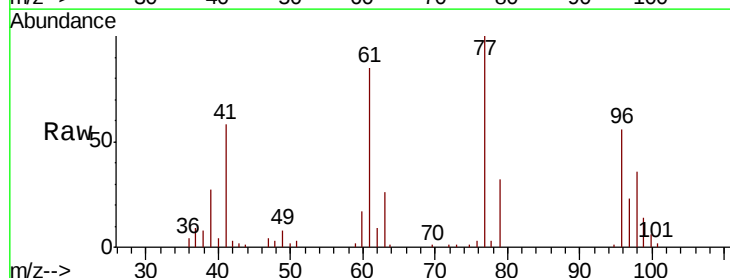
Acq: 8 May 2019 12:03

Tgt Ion: 77 Resp: 243294

Ion Ratio Lower Upper

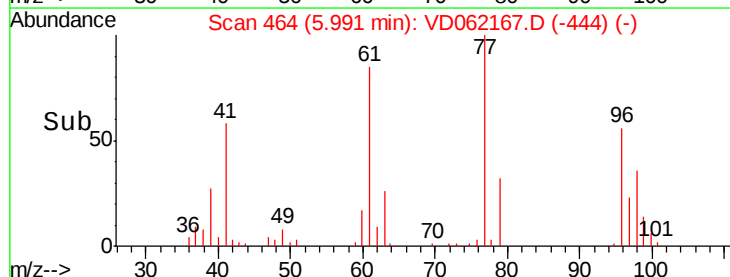
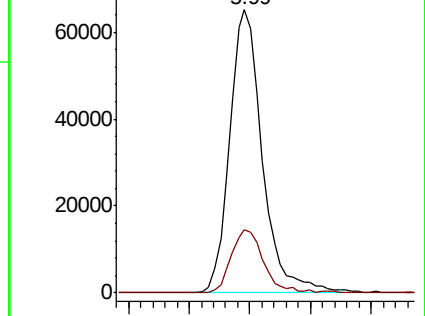
77 100

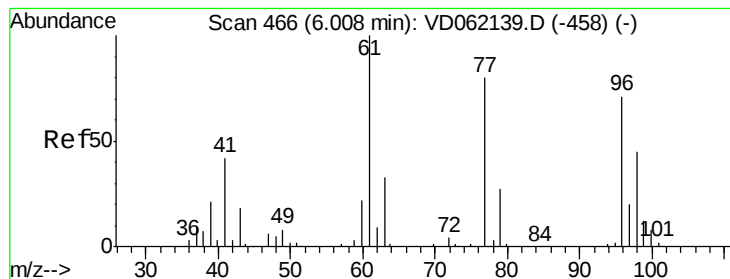
97 22.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



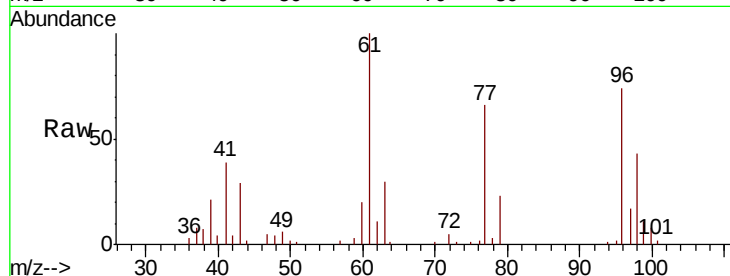


#27

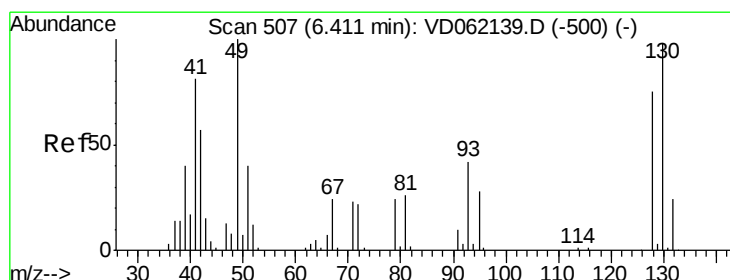
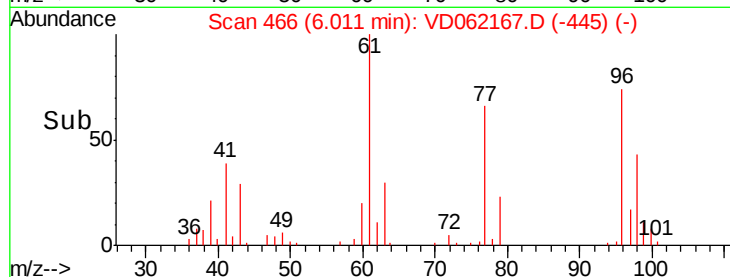
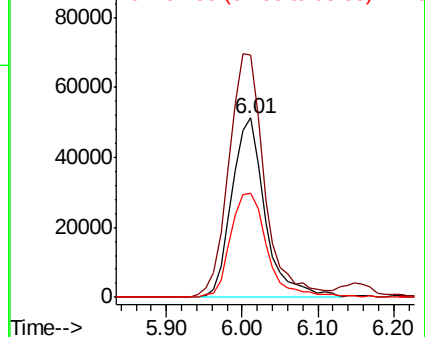
cis-1,2-Dichloroethene
Concen: 19.152 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBSD01

Tot Ion: 96 Resp: 155760
Ion Ratio Lower Upper
96 100
61 135.0 0.0 279.8
98 57.9 0.0 136.0



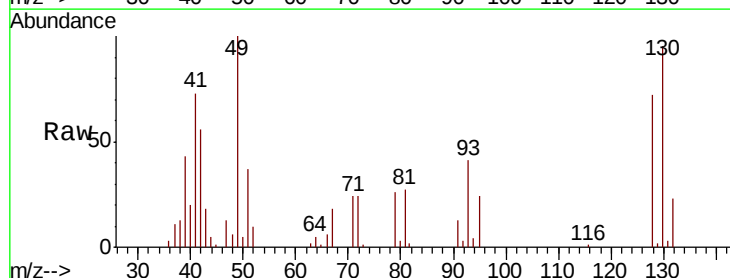
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



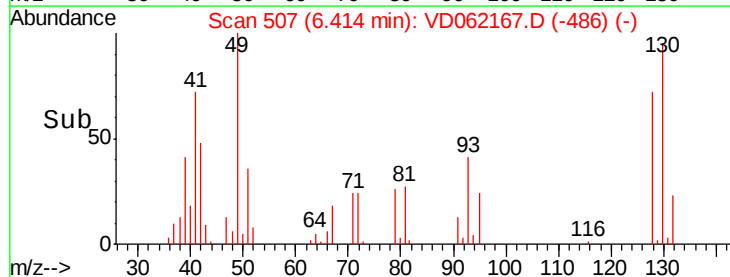
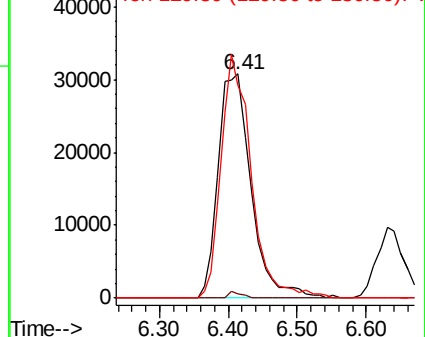
#28

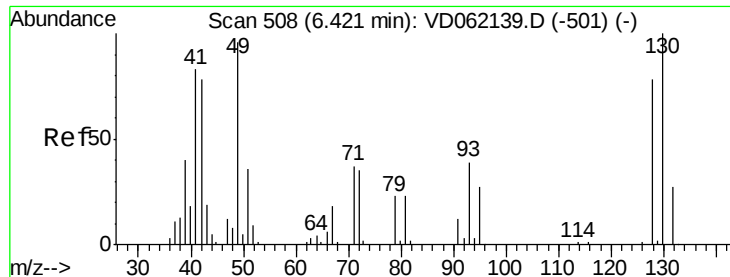
Bromochloromethane
Concen: 21.307 ug/l
RT: 6.41 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Tgt Ion: 49 Resp: 102166
Ion Ratio Lower Upper
49 100
129 1.9 0.0 6.6
130 95.2 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 100.957 ug/l

RT: 6.42 min Scan# 508

Delta R.T. 0.00 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

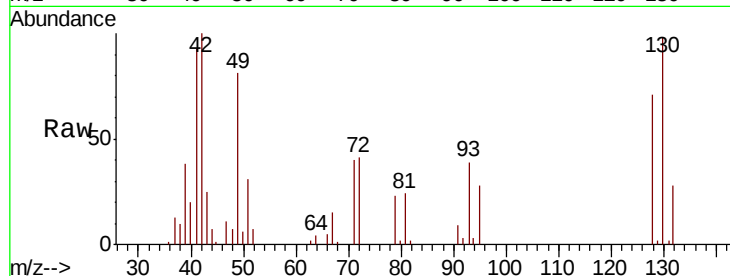
Tot Ion: 42 Resp: 84677

Ion Ratio Lower Upper

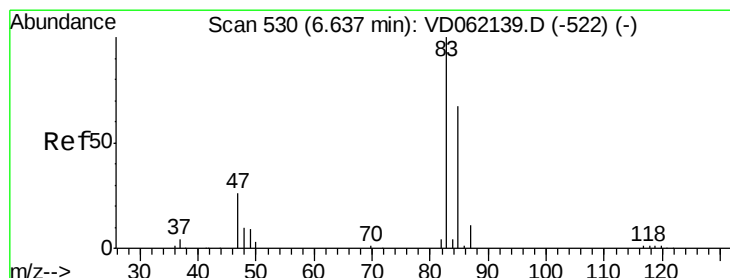
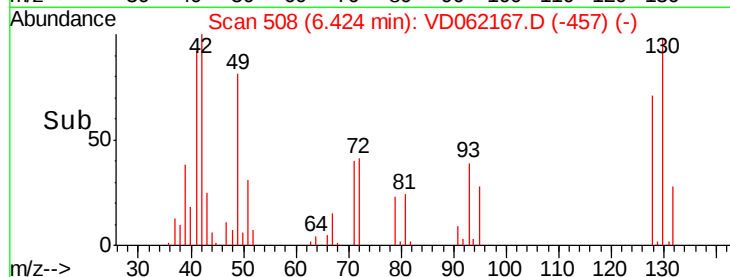
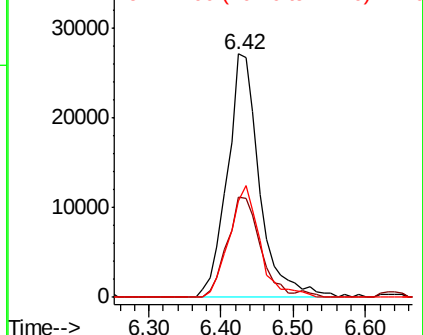
42 100

72 41.9 37.8 56.6

71 43.5 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: 20.486 ug/l

RT: 6.64 min Scan# 530

Delta R.T. 0.00 min

Lab File: VD062167.D

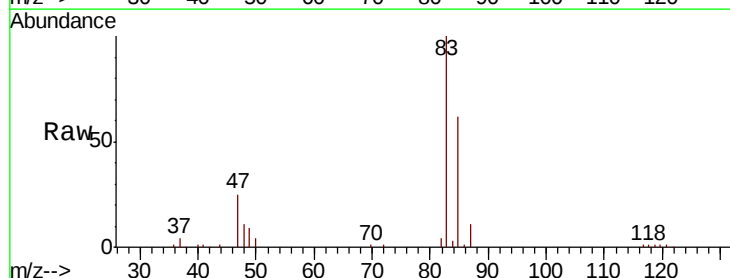
Acq: 8 May 2019 12:03

Tgt Ion: 83 Resp: 300898

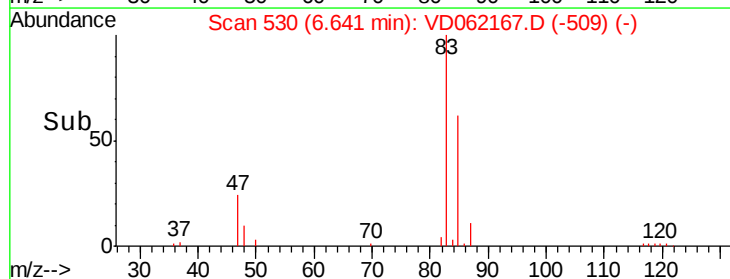
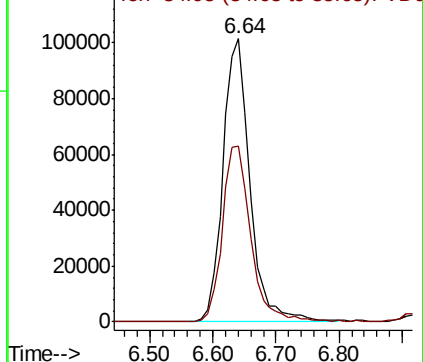
Ion Ratio Lower Upper

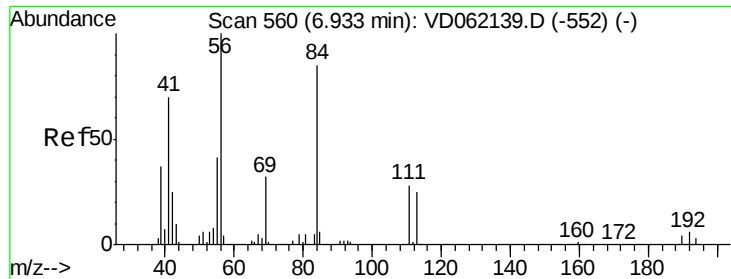
83 100

85 62.3 51.7 77.5



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

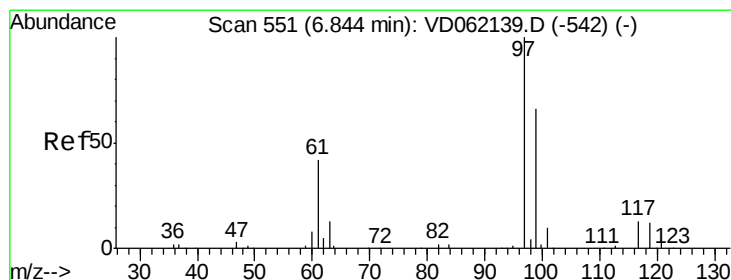
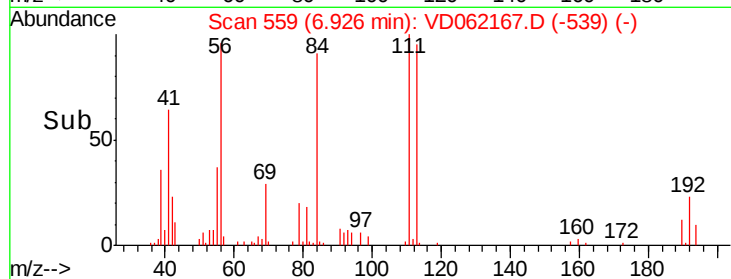
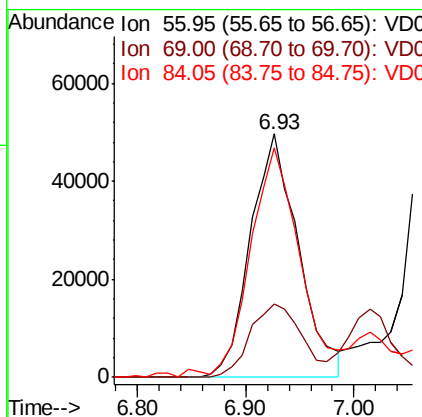
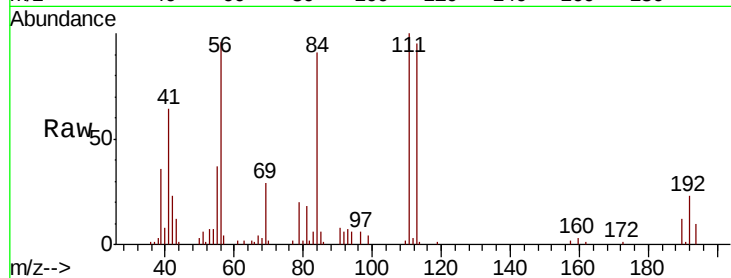




#31
Cyclohexane
Concen: 18.420 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

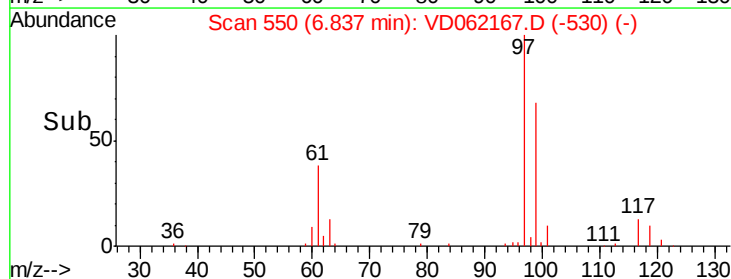
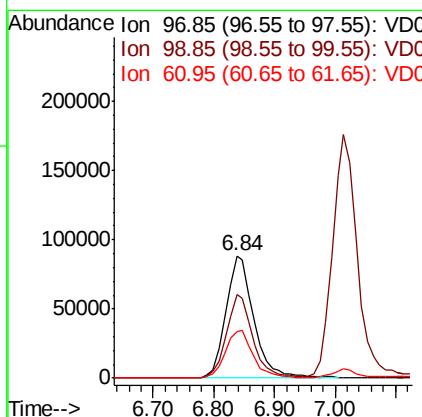
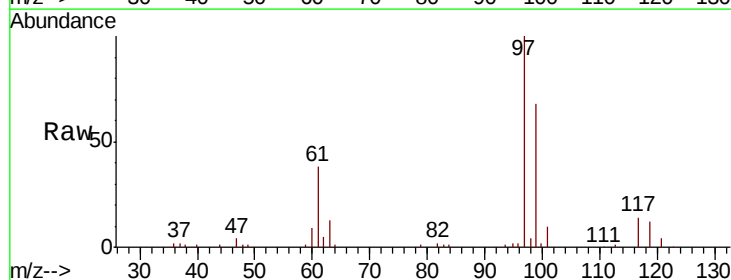
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBSD01

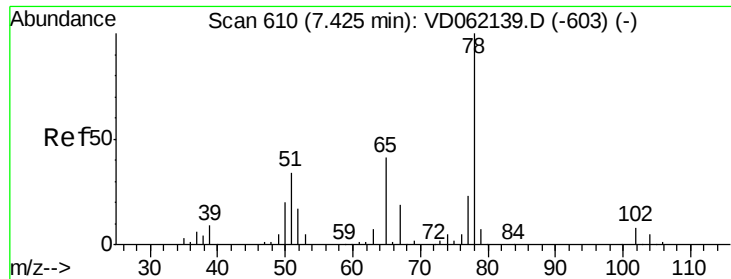
Tot Ion: 56 Resp: 153796
Ion Ratio Lower Upper
56 100
69 29.9 25.8 38.6
84 94.2 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 20.179 ug/l
RT: 6.84 min Scan# 550
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Tgt Ion: 97 Resp: 280143
Ion Ratio Lower Upper
97 100
99 68.4 52.2 78.2
61 38.3 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 54.838 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

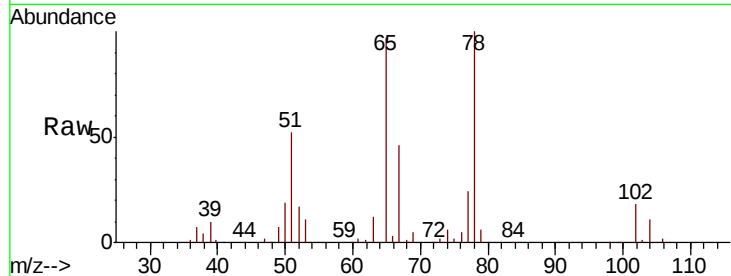
VD0508SBSD01

Tot Ion: 65 Resp: 436399

Ion Ratio Lower Upper

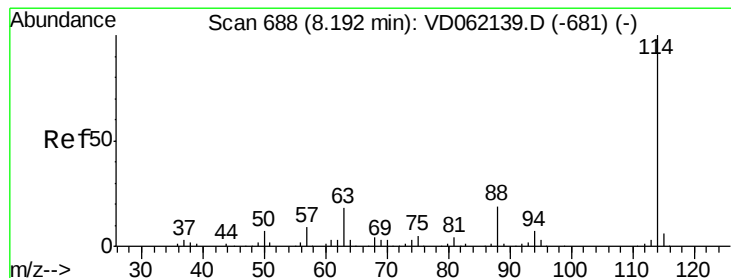
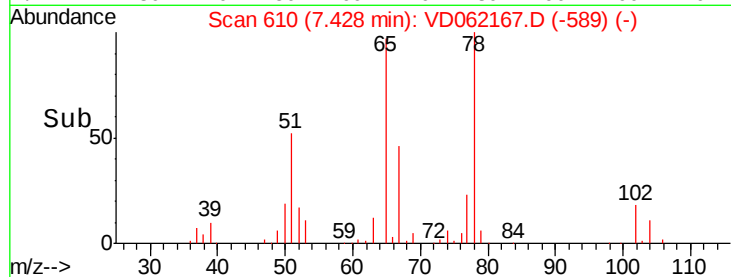
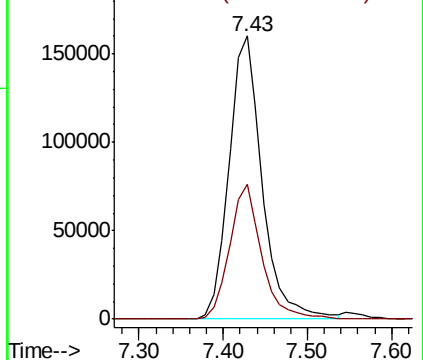
65 100

67 47.5 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: 8.20 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

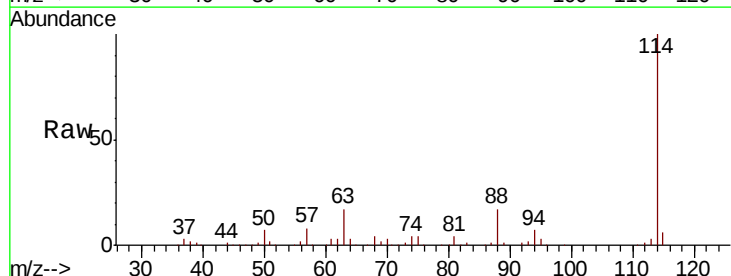
Tgt Ion: 114 Resp: 1207619

Ion Ratio Lower Upper

114 100

63 16.9 0.0 32.4

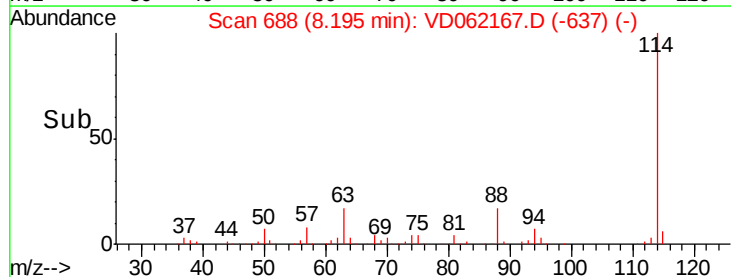
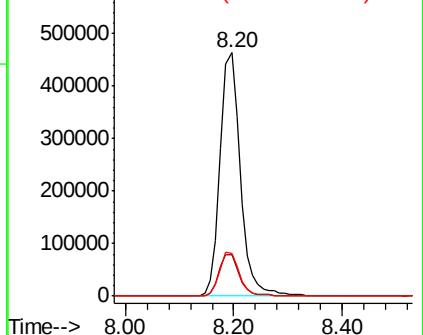
88 17.4 0.0 33.6

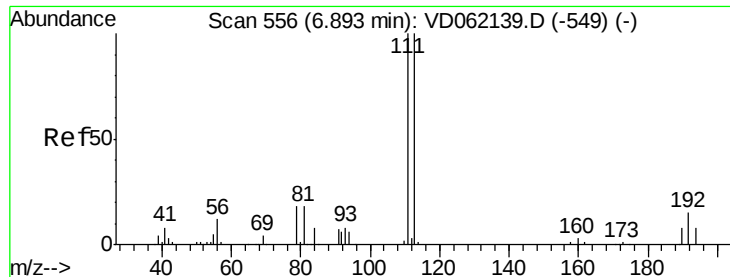


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 54.332 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

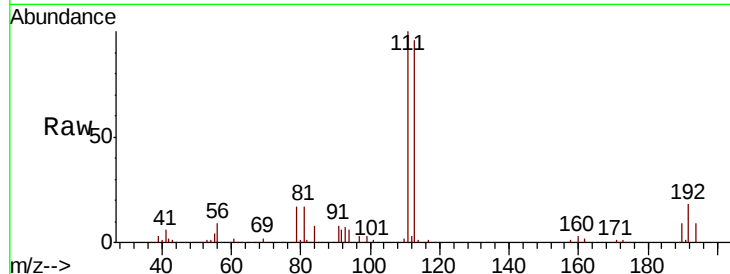
Tot Ion:113 Resp: 544398

Ion Ratio Lower Upper

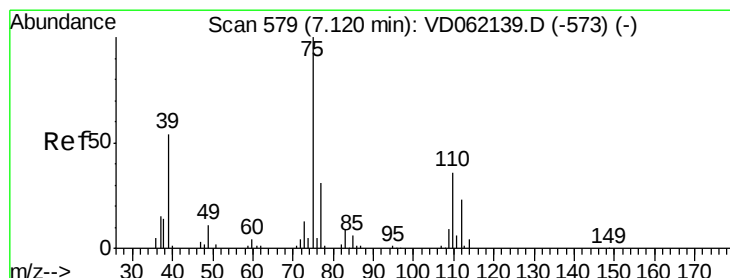
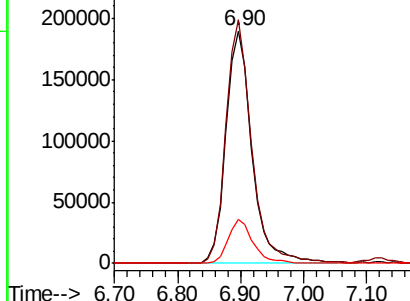
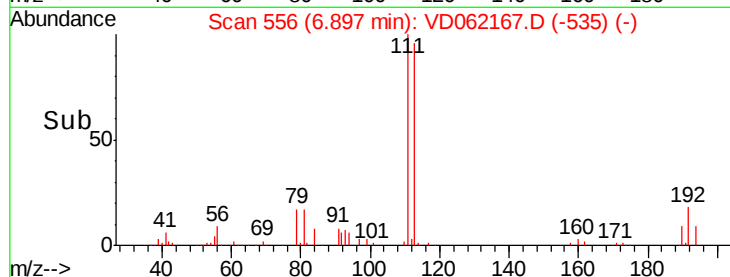
113 100

111 104.6 78.5 117.7

192 18.9 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: 19.813 ug/l

RT: 7.11 min Scan# 578

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

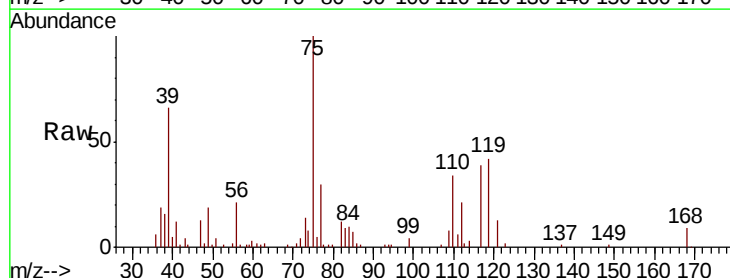
Tgt Ion: 75 Resp: 196171

Ion Ratio Lower Upper

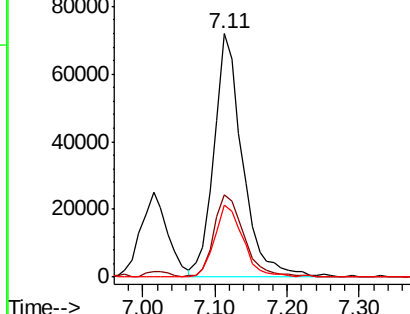
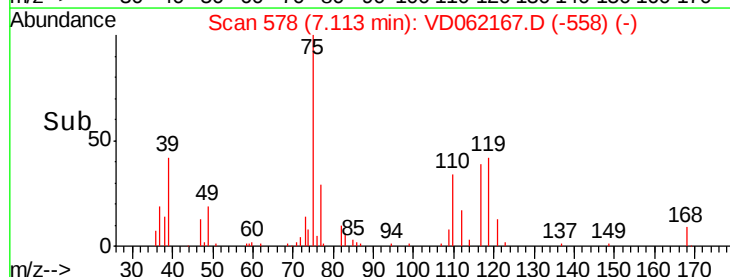
75 100

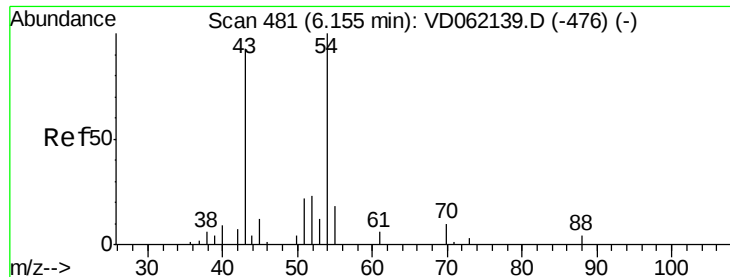
110 34.0 19.1 57.1

77 29.7 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

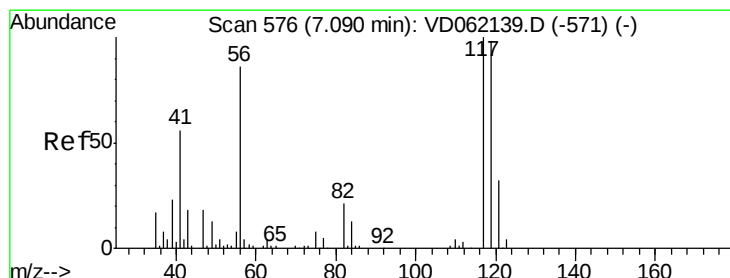
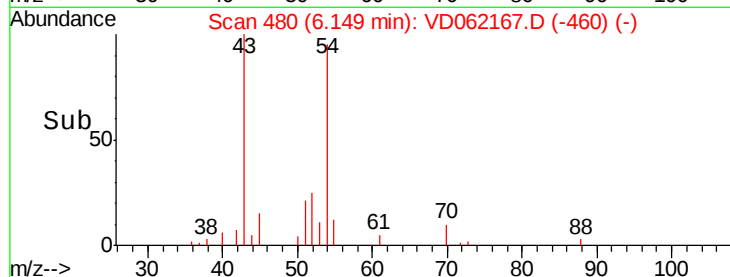
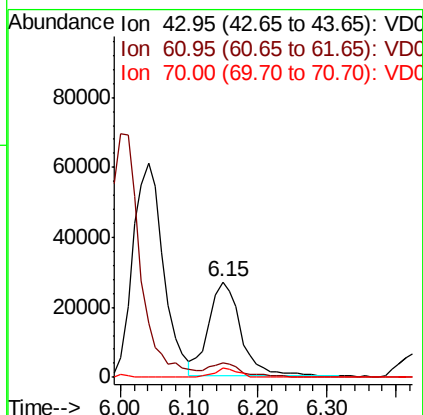
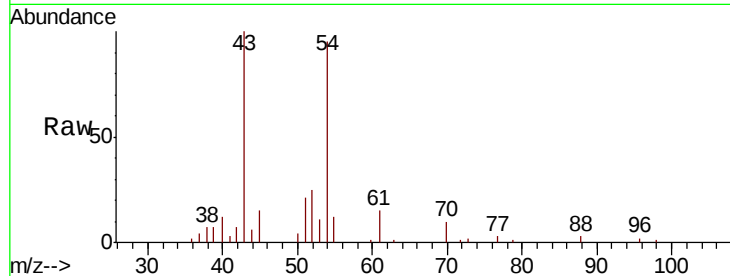




#37
Ethyl Acetate
Concen: 21.045 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

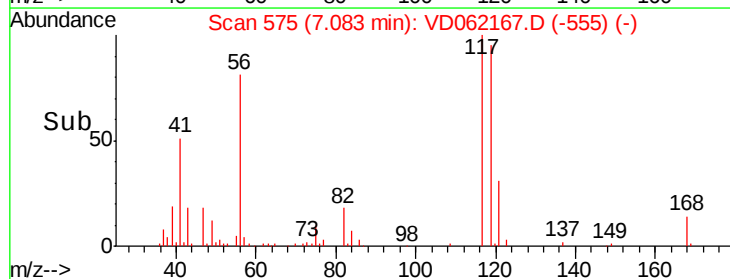
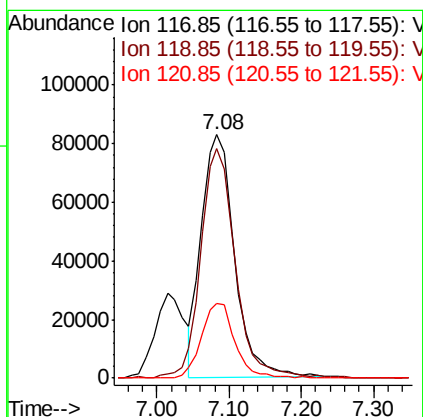
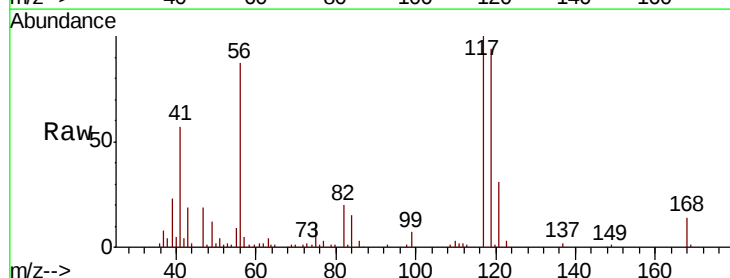
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

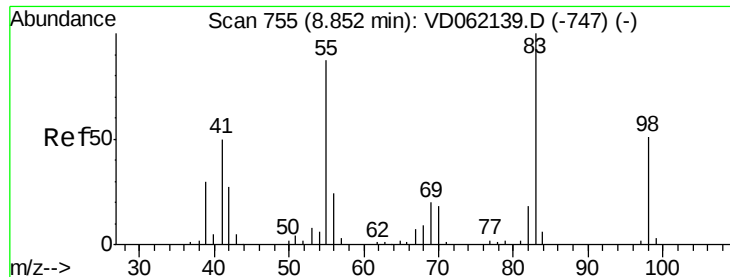
Tot Ion: 43 Resp: 88370
Ion Ratio Lower Upper
43 100
61 14.9 14.7 22.1
70 9.7 7.8 11.6



#38
Carbon Tetrachloride
Concen: 19.232 ug/l
RT: 7.08 min Scan# 575
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Tgt Ion: 117 Resp: 263563
Ion Ratio Lower Upper
117 100
119 94.5 75.8 113.8
121 30.7 25.9 38.9





#39

Methvlcvclohexane

Concen: 19.139 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.02 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

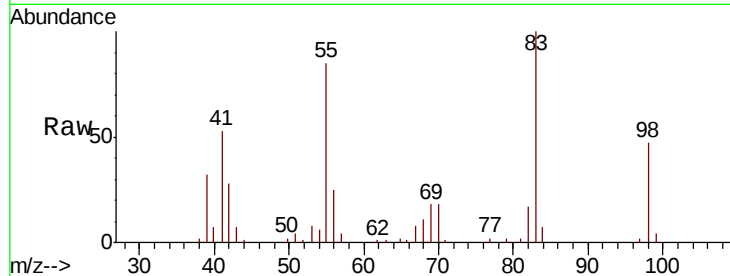
Tot Ion: 83 Resp: 181562

Ion Ratio Lower Upper

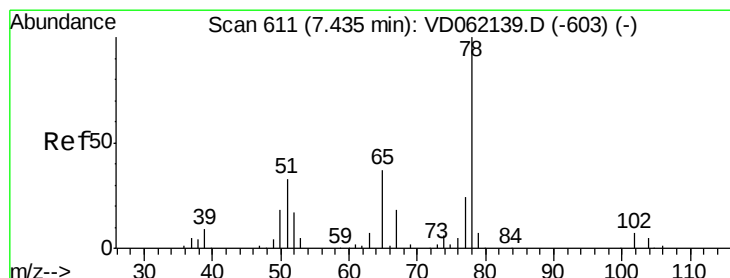
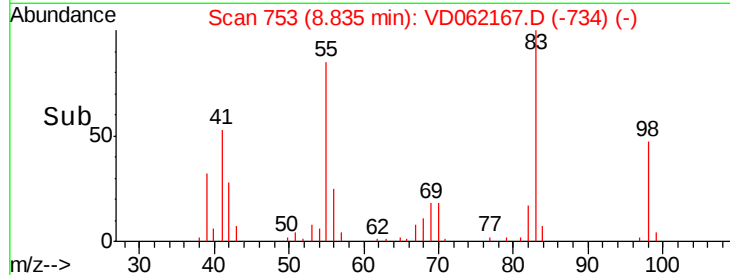
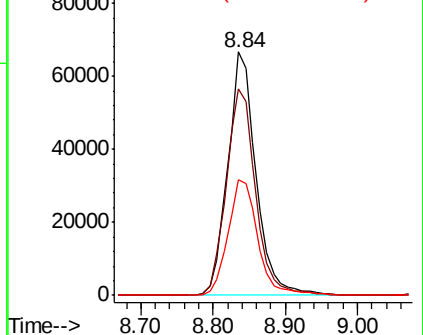
83 100

55 84.7 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: 19.983 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD062167.D

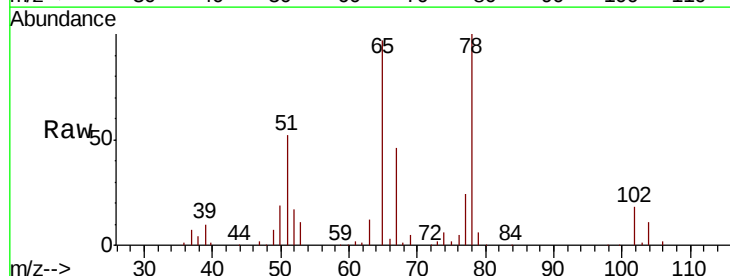
Acq: 8 May 2019 12:03

Tgt Ion: 78 Resp: 446794

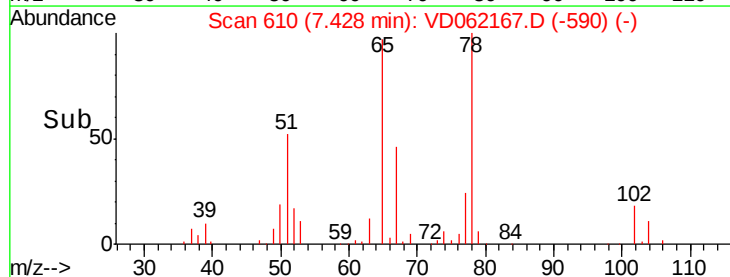
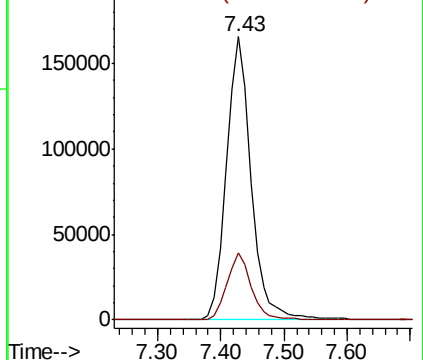
Ion Ratio Lower Upper

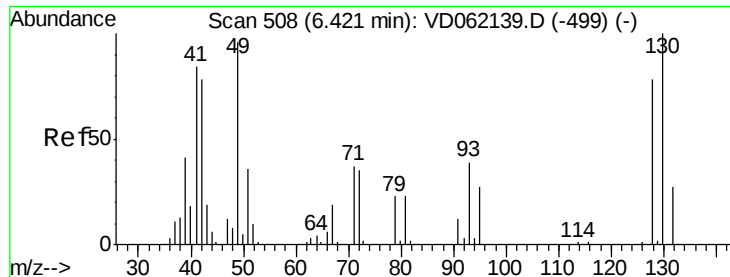
78 100

77 23.7 19.7 29.5



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

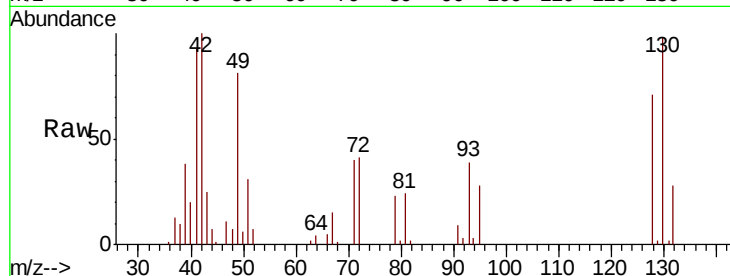




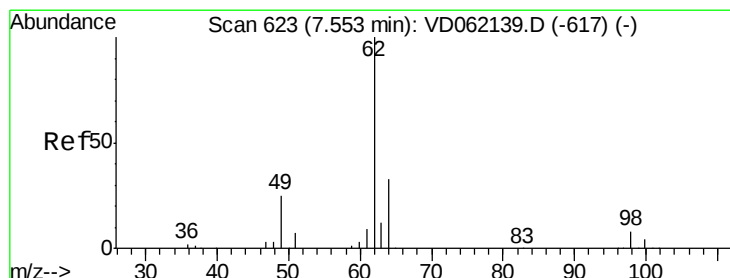
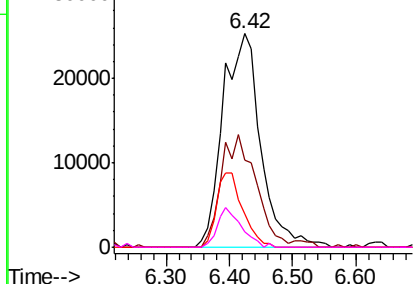
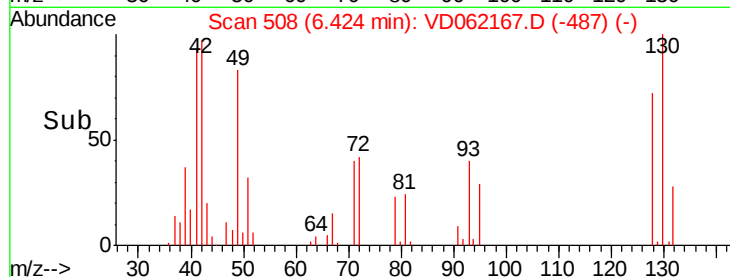
#41
Methacrylonitrile
Concen: 20.491 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBSD01

Tot Ion: 41 Resp: 105145
Ion Ratio Lower Upper
41 100
39 41.0 34.1 51.1
67 15.9 23.8 35.6#
52 7.3 8.8 13.2#

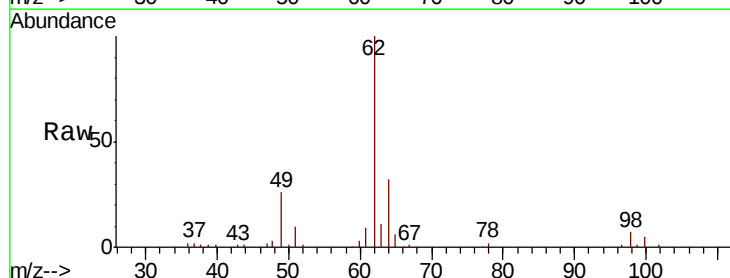


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

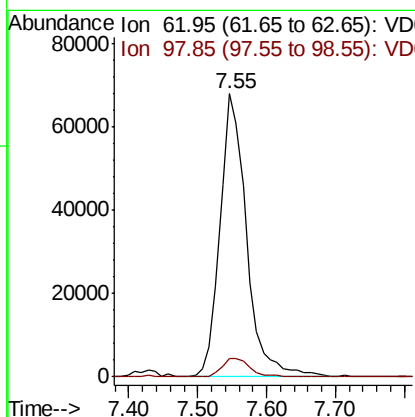
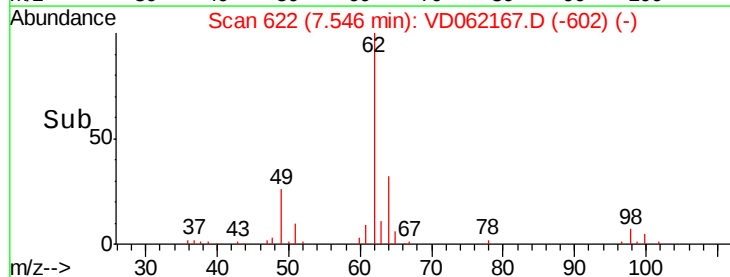


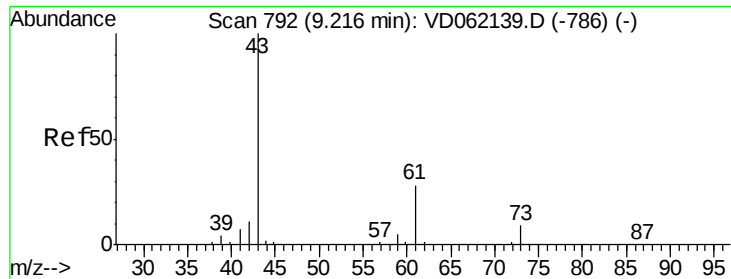
#42
1,2-Dichloroethane
Concen: 19.125 ug/l
RT: 7.55 min Scan# 622
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Tgt Ion: 62 Resp: 181173
Ion Ratio Lower Upper
62 100
98 6.5 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 21.082 ug/l

RT: 9.21 min Scan# 791

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBSD01

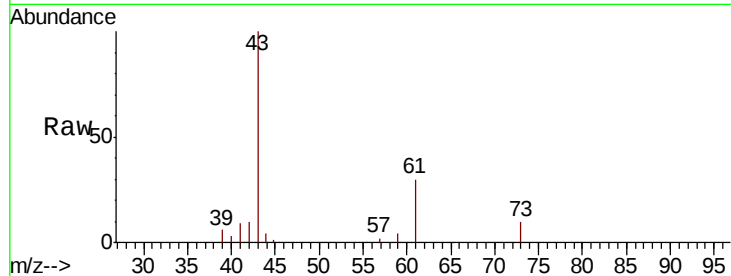
Tot Ion: 43 Resp: 125544

Ion Ratio Lower Upper

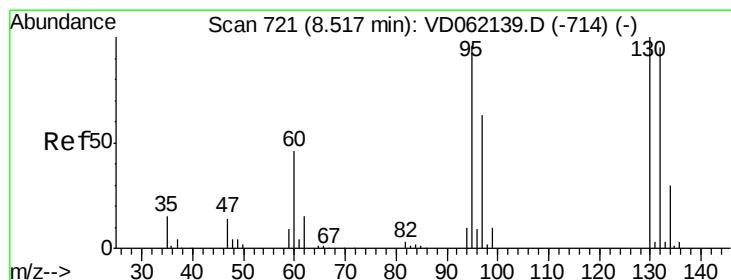
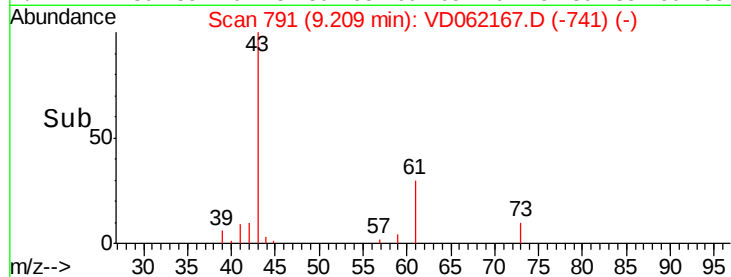
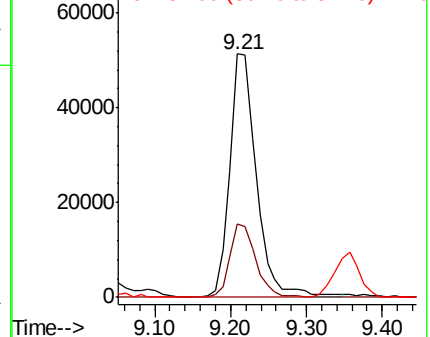
43 100

61 30.3 25.1 37.7

87 0.0 0.0 0.0



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



#44

Trichloroethene

Concen: 19.737 ug/l

RT: 8.51 min Scan# 720

Delta R.T. -0.01 min

Lab File: VD062167.D

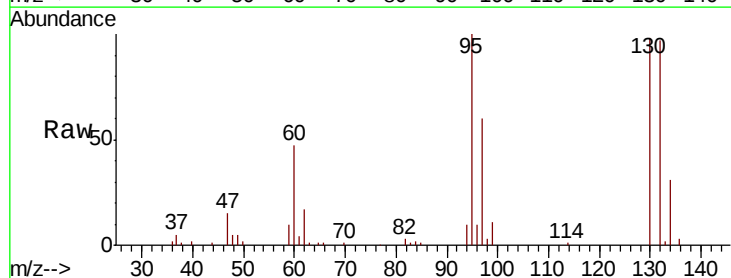
Acq: 8 May 2019 12:03

Tgt Ion:130 Resp: 168151

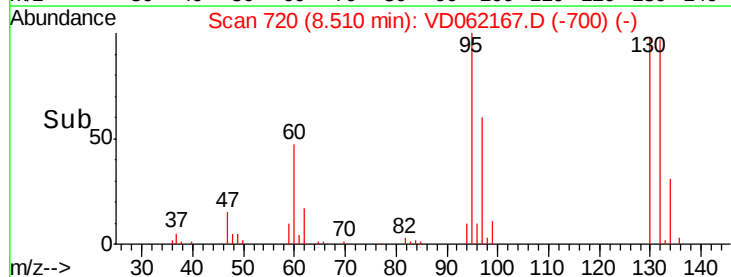
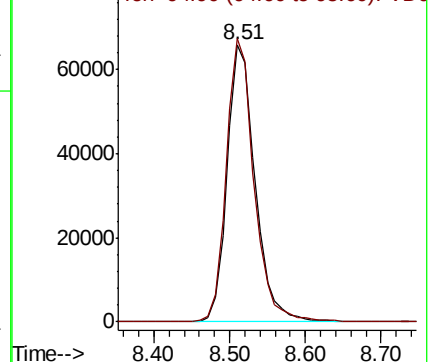
Ion Ratio Lower Upper

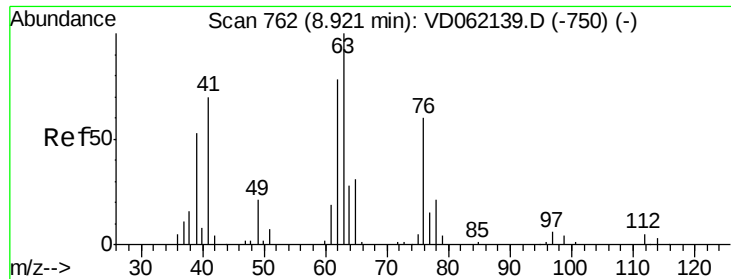
130 100

95 102.2 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.372 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

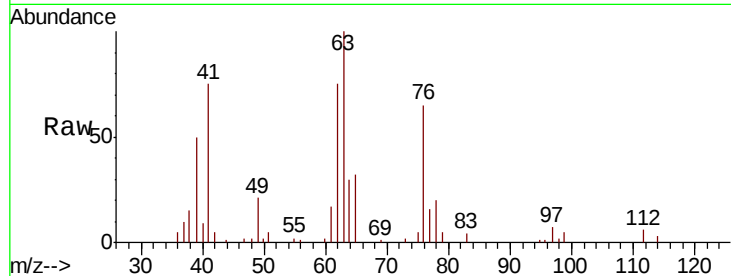
VD0508SBSD01

Tot Ion: 63 Resp: 112662

Ion Ratio Lower Upper

63 100

65 31.9 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.91

50000

40000

30000

20000

10000

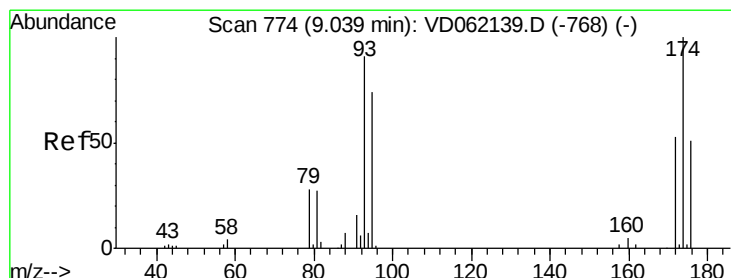
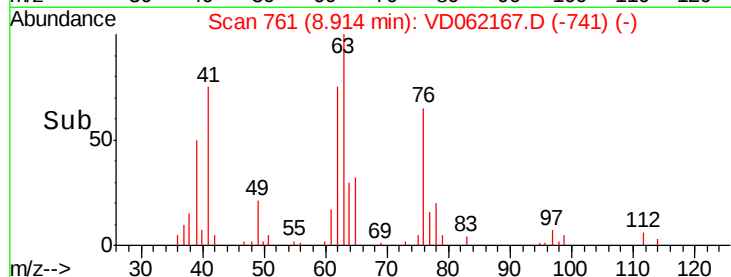
0

8.80

8.90

9.00

Time-->



#46

Dibromomethane

Concen: 20.576 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

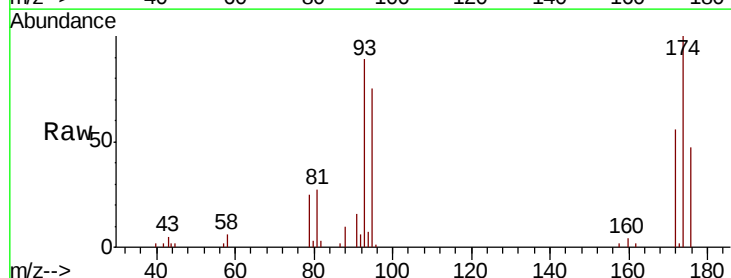
Tgt Ion: 93 Resp: 92535

Ion Ratio Lower Upper

93 100

95 84.1 64.8 97.2

174 112.8 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

60000

50000

40000

30000

20000

10000

0

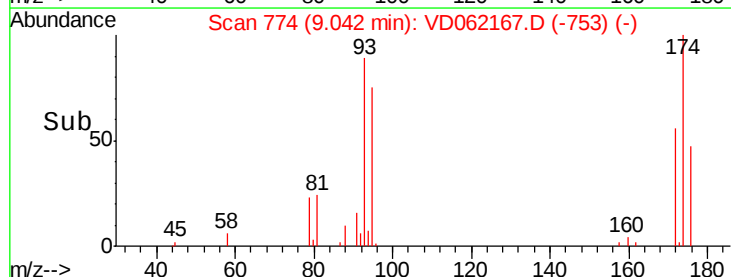
8.90

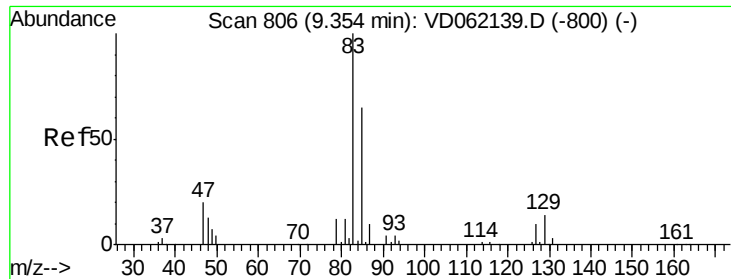
9.00

9.10

9.20

Time-->

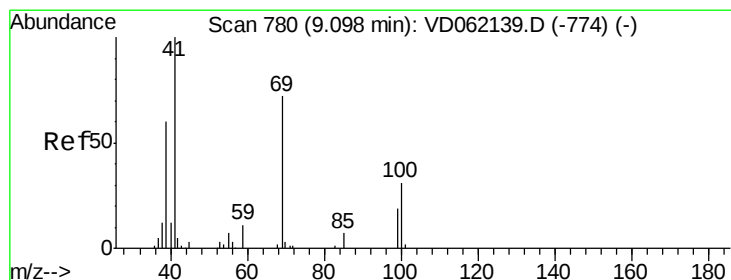
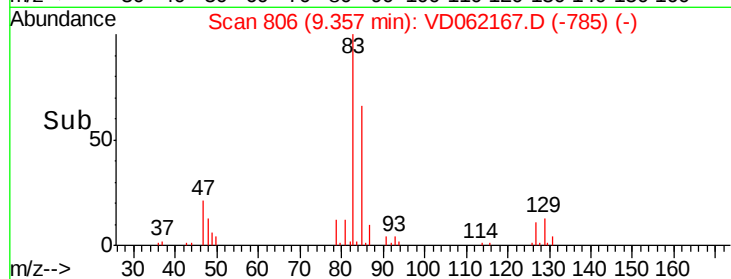
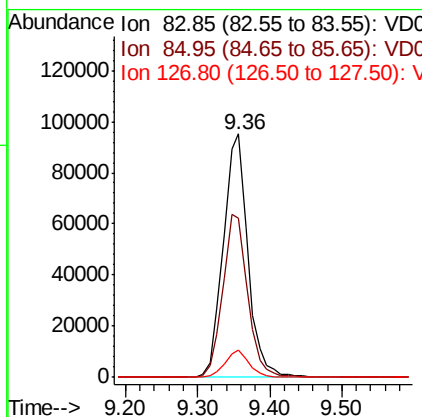
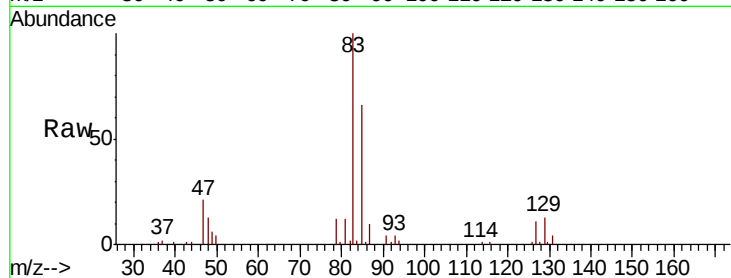




#47
Bromodichloromethane
Concen: 20.406 ug/l
RT: 9.36 min Scan# 806
Delta R.T. 0.00 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

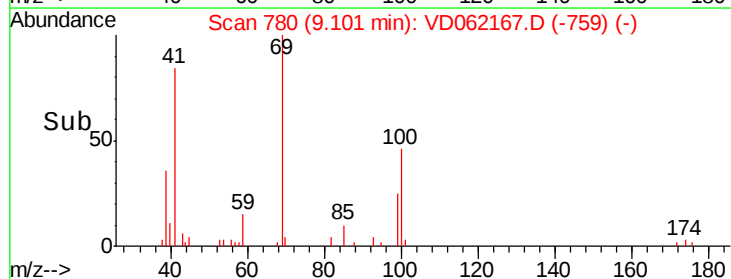
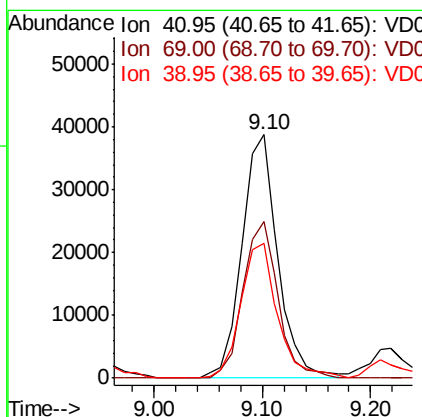
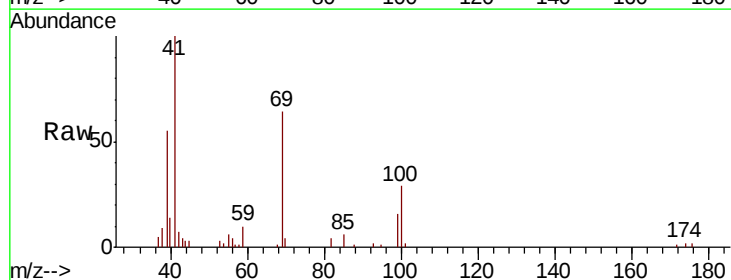
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBSD01

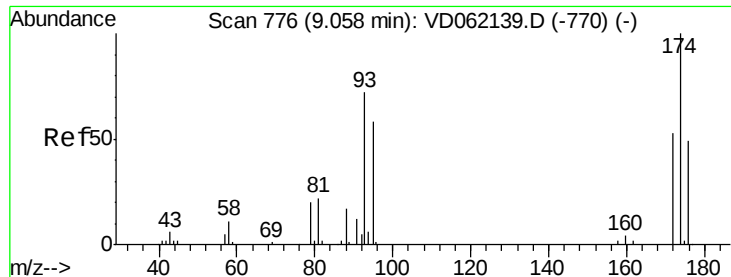
Tot Ion: 83 Resp: 224476
Ion Ratio Lower Upper
83 100
85 65.6 50.9 76.3
127 11.2 8.1 12.1



#48
Methyl methacrylate
Concen: 24.355 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.00 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Tgt Ion: 41 Resp: 89339
Ion Ratio Lower Upper
41 100
69 64.3 64.2 96.2
39 55.5 46.8 70.2

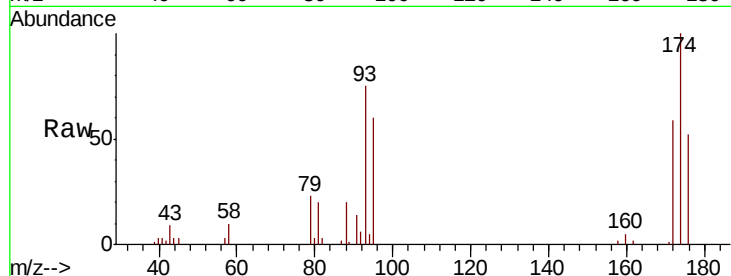




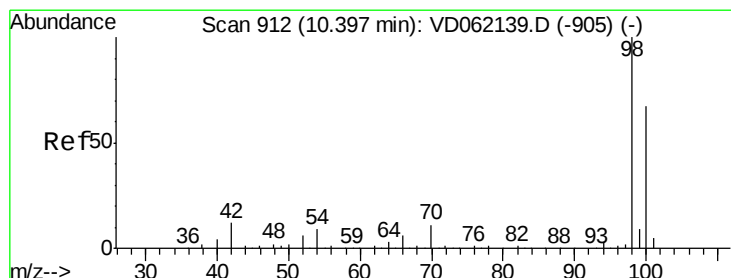
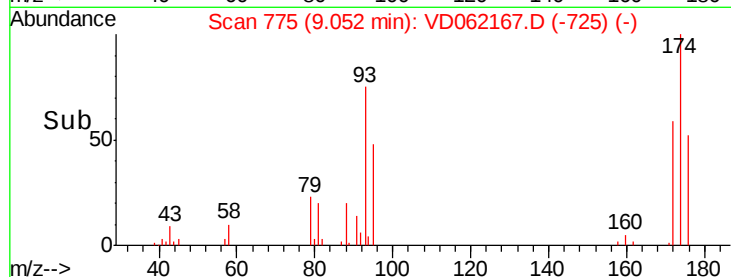
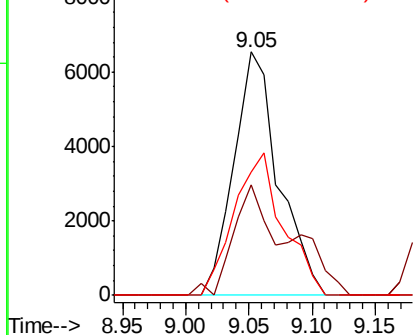
#49
1,4-Dioxane
Concen: 406.596 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBSD01

Tot Ion: 88 Resp: 16092
Ion Ratio Lower Upper
88 100
43 45.6 23.4 35.0#
58 50.7 44.0 66.0

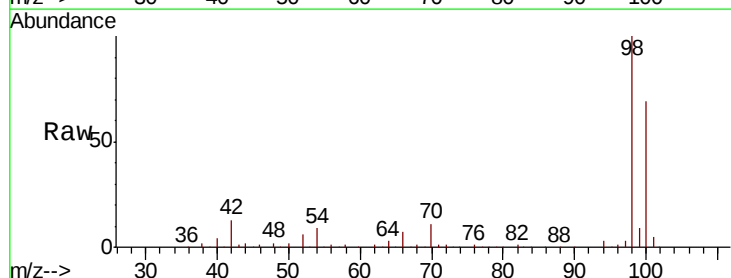


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

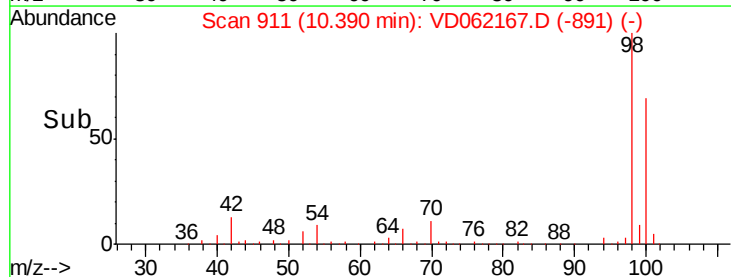
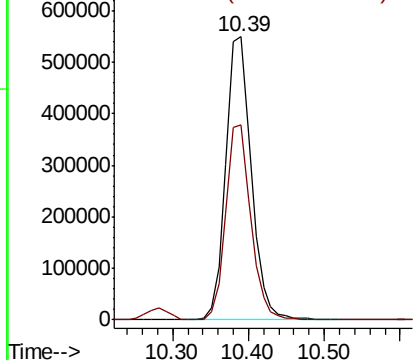


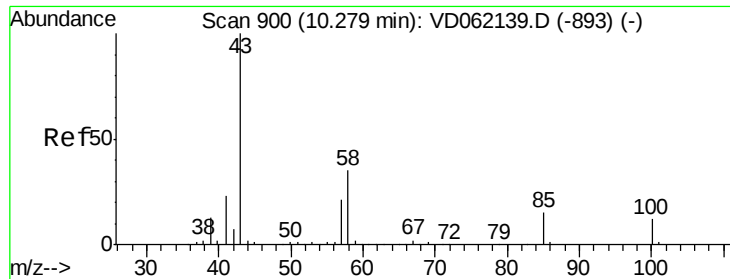
#50
Toluene-d8
Concen: 52.841 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Tgt Ion: 98 Resp: 1276550
Ion Ratio Lower Upper
98 100
100 69.0 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: 110.348 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

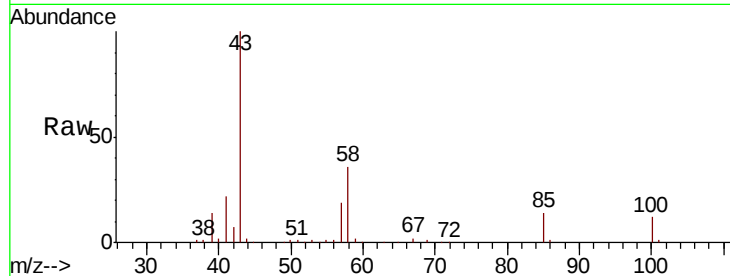
VD0508SBS01

Tot Ion: 43 Resp: 422415

Ion Ratio Lower Upper

43 100

58 35.8 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

200000

150000

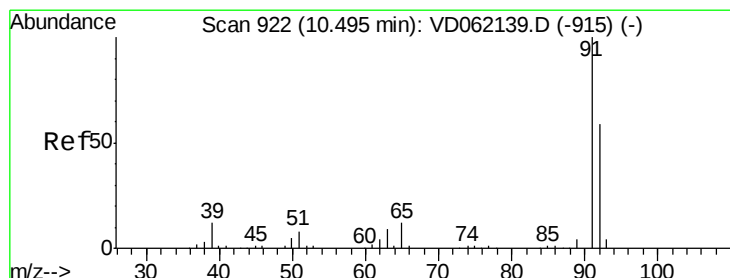
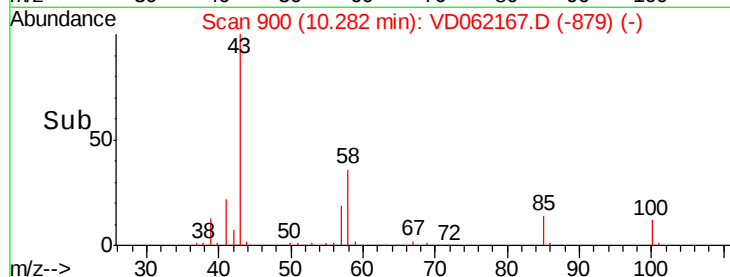
100000

50000

0

10.20 10.30 10.40

Time-->



#52

Toluene

Concen: 20.460 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.01 min

Lab File: VD062167.D

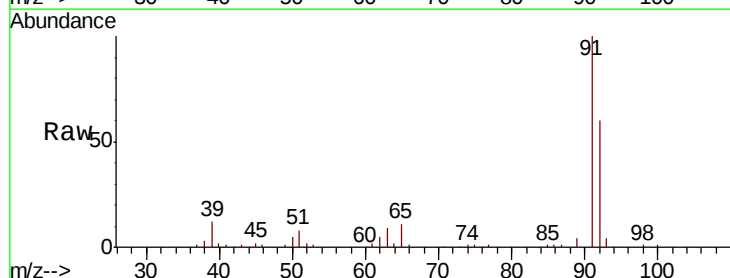
Acq: 8 May 2019 12:03

Tgt Ion: 92 Resp: 297643

Ion Ratio Lower Upper

92 100

91 167.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

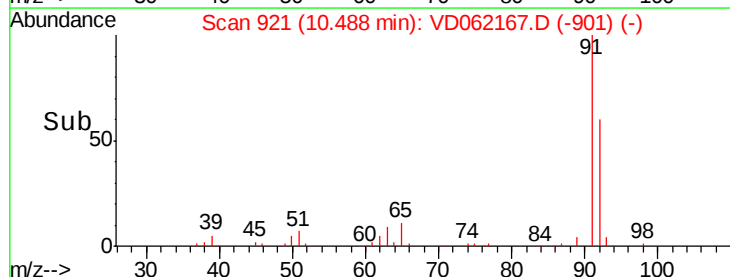
100000

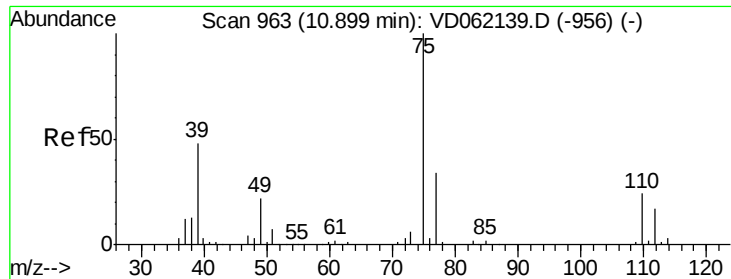
50000

0

10.40 10.50 10.60 10.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.840 ug/l

RT: 10.89 min Scan# 962

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

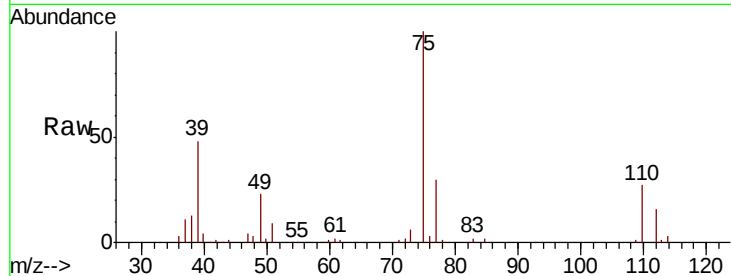
VD0508SBSD01

Tot Ion: 75 Resp: 188631

Ion Ratio Lower Upper

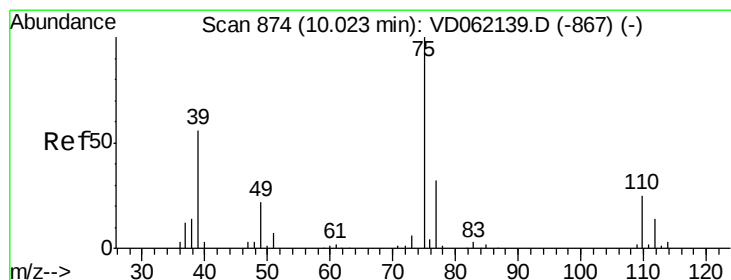
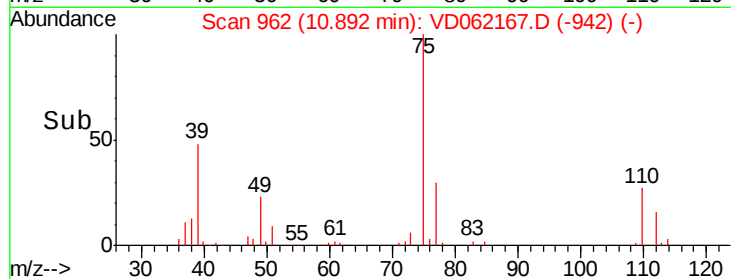
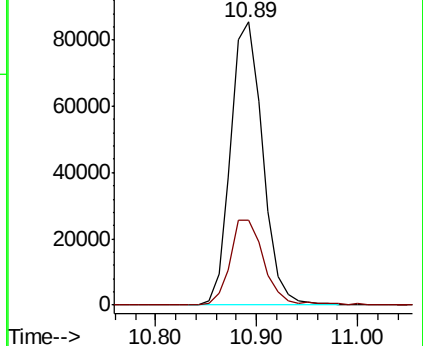
75 100

77 29.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.226 ug/l

RT: 10.02 min Scan# 873

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

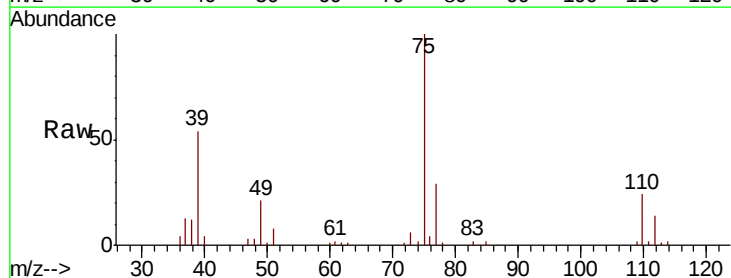
Tgt Ion: 75 Resp: 220148

Ion Ratio Lower Upper

75 100

77 29.2 25.5 38.3

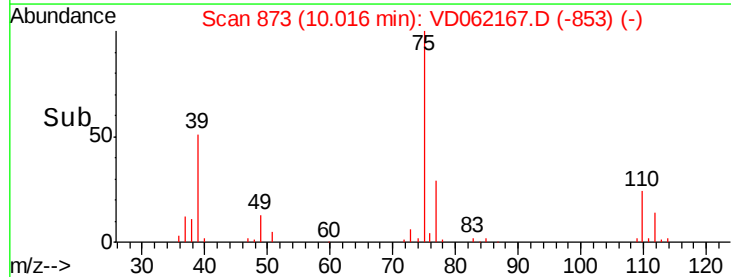
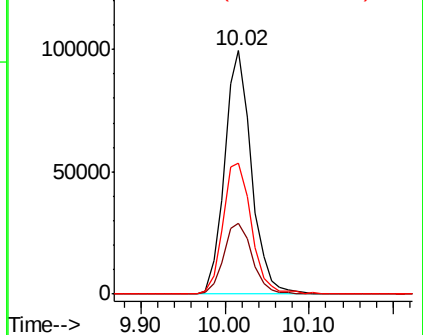
39 54.0 39.4 59.2

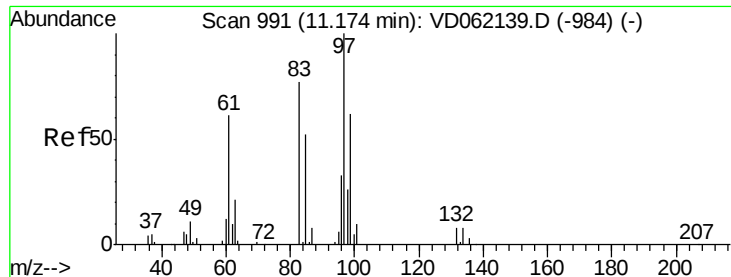


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

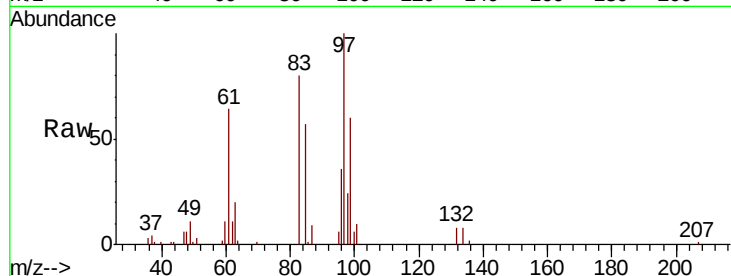




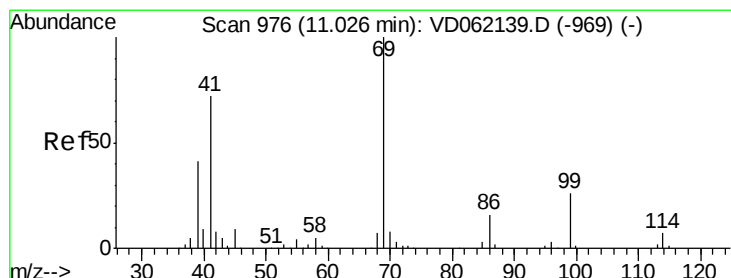
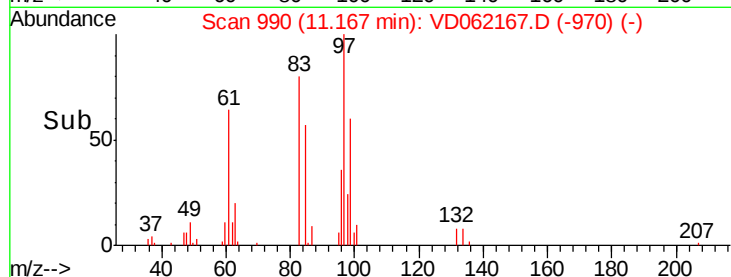
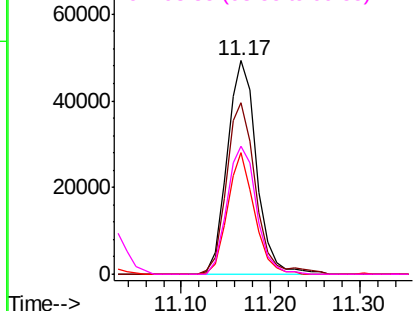
#55
 1,1,2-Trichloroethane
 Concen: 22.163 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBSD01

Tot Ion:	97	Resp:	114076
Ion	Ratio	Lower	Upper
97	100		
83	80.0	65.7	98.5
85	58.1	45.6	68.4
99	60.2	48.4	72.6

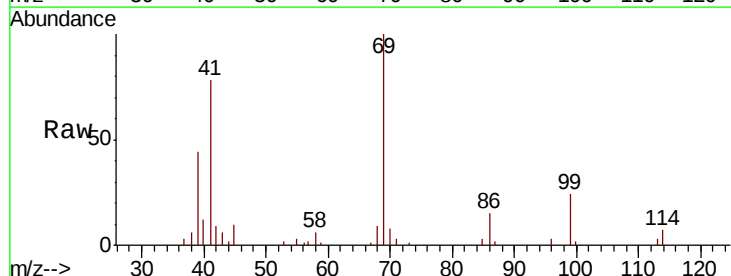


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

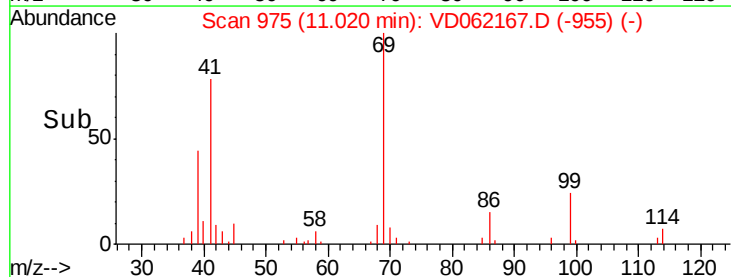
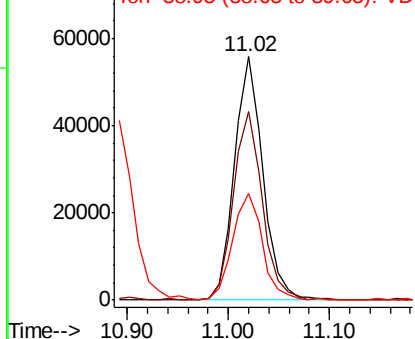


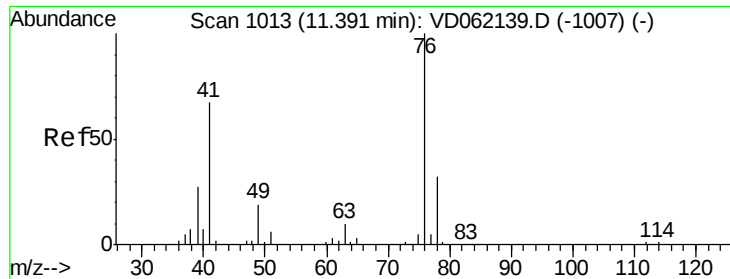
#56
 Ethyl methacrylate
 Concen: 20.453 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Tgt Ion:	69	Resp:	109397
Ion	Ratio	Lower	Upper
69	100		
41	77.6	56.3	84.5
39	44.0	29.4	44.2



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





#57

1,3-Dichloropropane

Concen: 19.970 ug/l

RT: 11.38 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

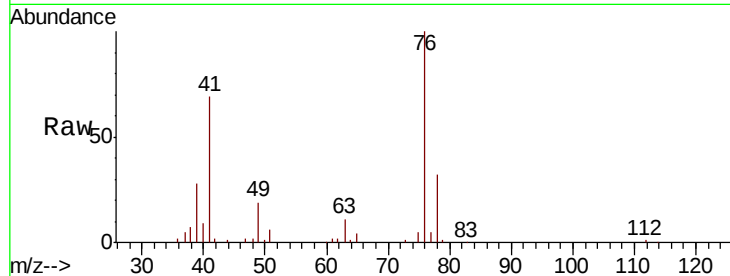
VD0508SBSD01

Tot Ion: 76 Resp: 155289

Ion Ratio Lower Upper

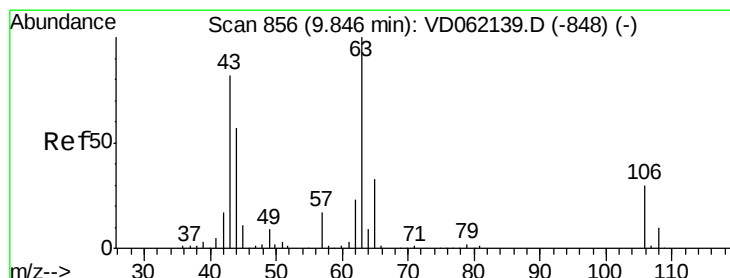
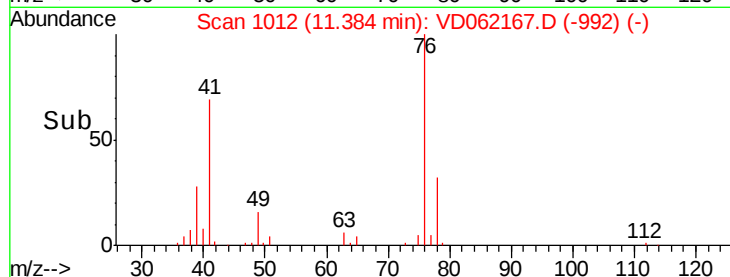
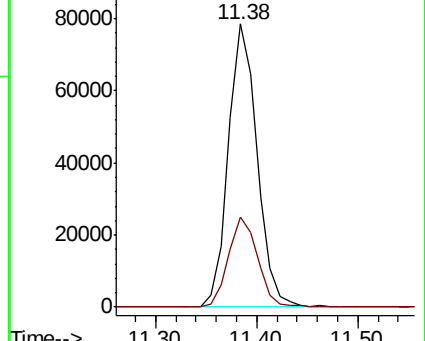
76 100

78 31.9 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: 107.242 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.02 min

Lab File: VD062167.D

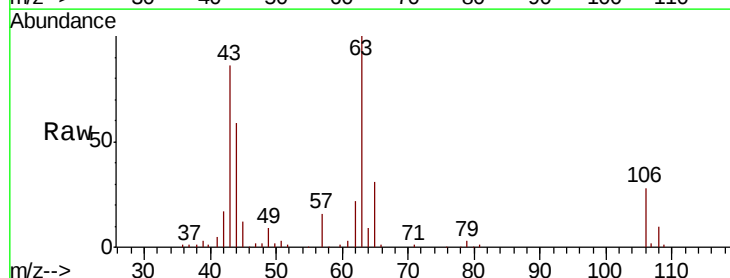
Acq: 8 May 2019 12:03

Tgt Ion: 63 Resp: 313321

Ion Ratio Lower Upper

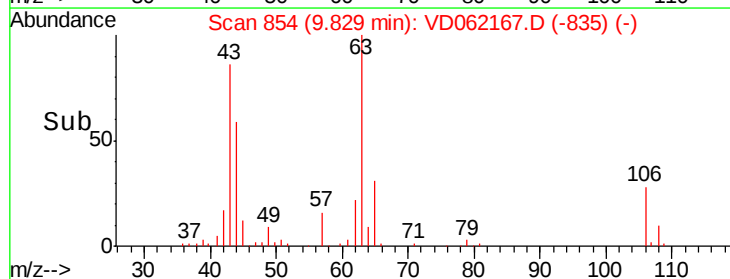
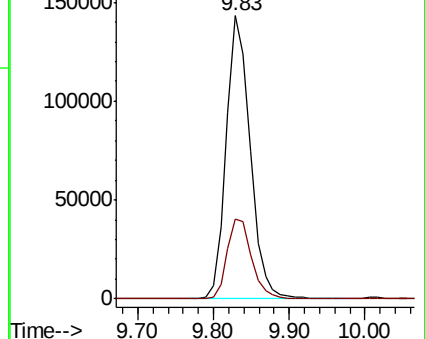
63 100

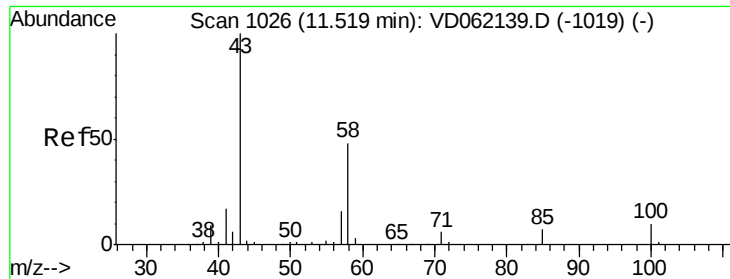
106 28.2 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

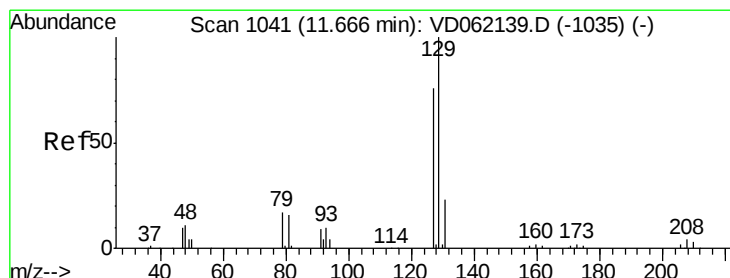
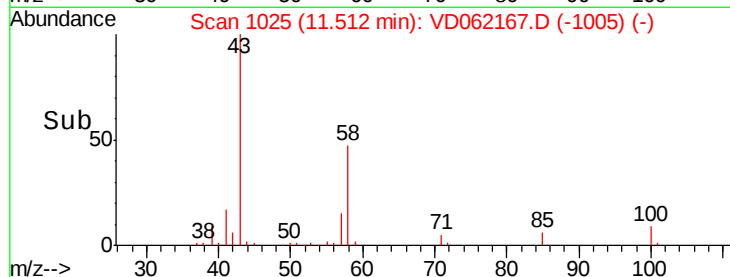
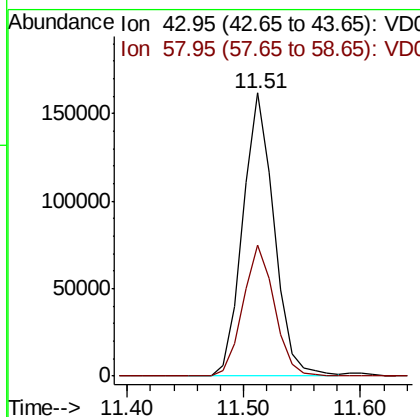
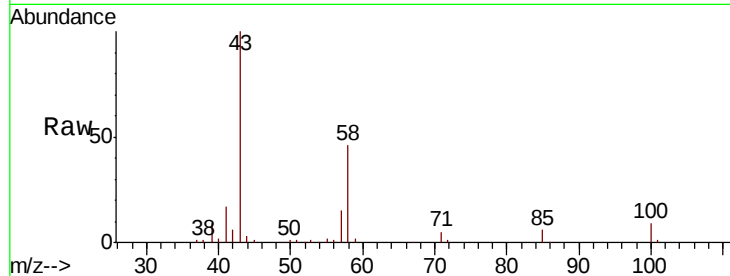




#59
2-Hexanone
Concen: 106.385 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

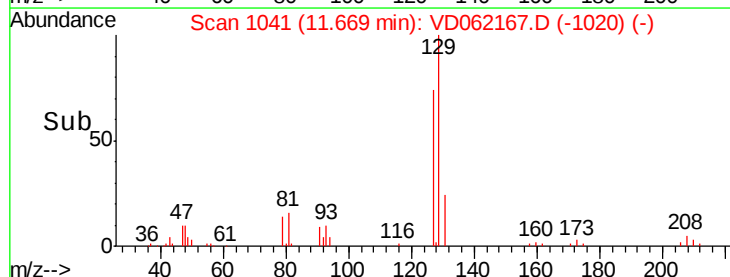
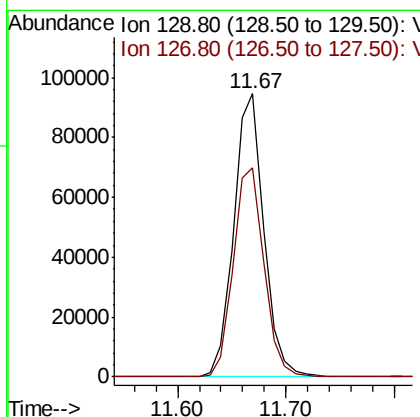
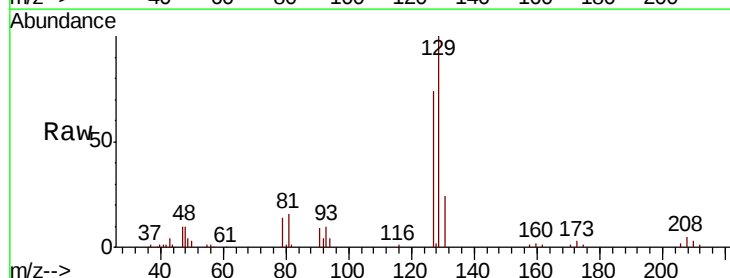
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBSD01

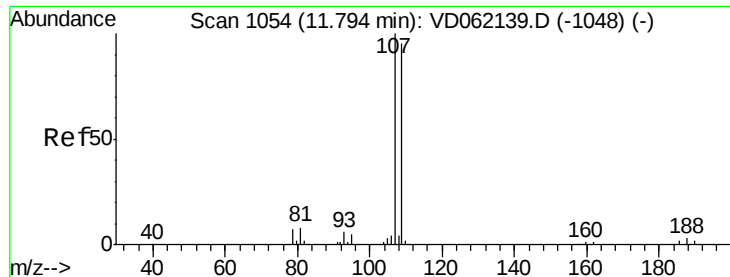
Tot Ion: 43 Resp: 300153
Ion Ratio Lower Upper
43 100
58 46.3 25.4 76.4



#60
Dibromochloromethane
Concen: 20.426 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Tgt Ion: 129 Resp: 181700
Ion Ratio Lower Upper
129 100
127 74.1 38.0 113.9

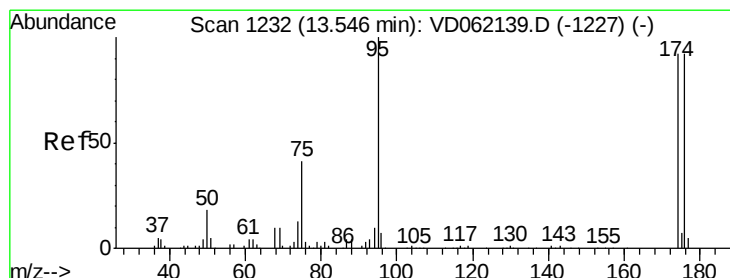
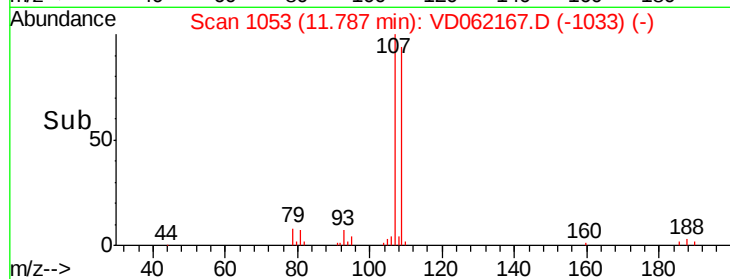
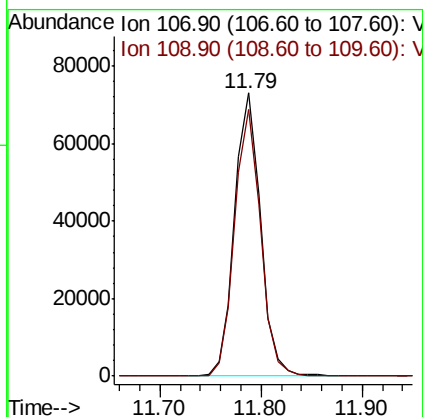
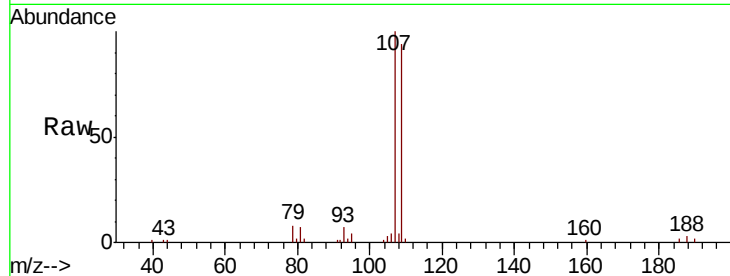




#61
 1,2-Dibromoethane
 Concen: 20.868 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

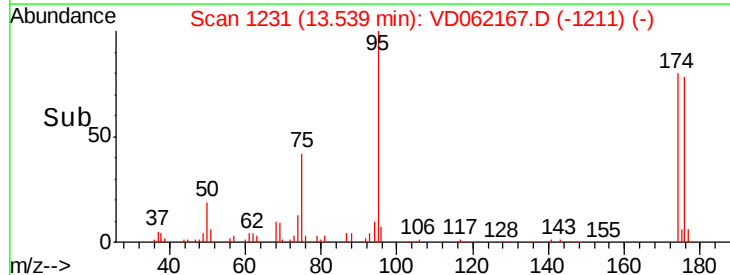
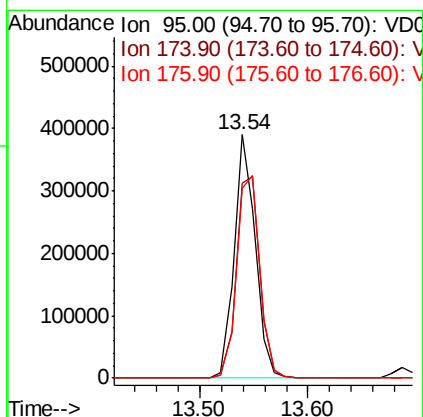
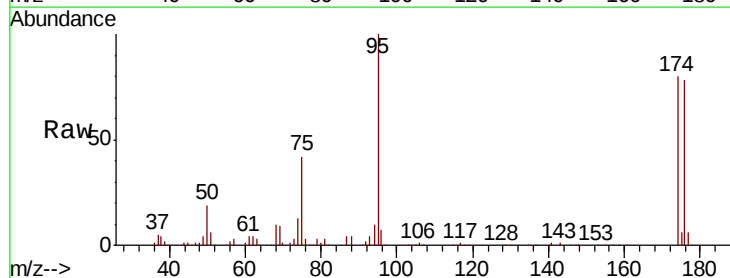
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBSD01

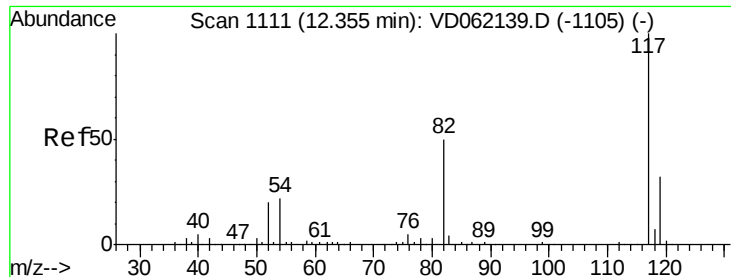
Tot Ion:107 Resp: 130588
 Ion Ratio Lower Upper
 107 100
 109 94.1 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 54.485 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Tgt Ion: 95 Resp: 528567
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 181.8
 176 78.0 0.0 174.4

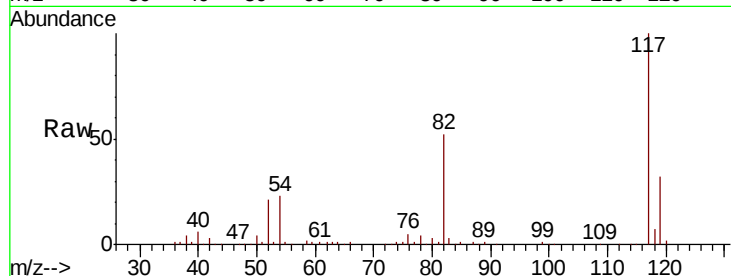




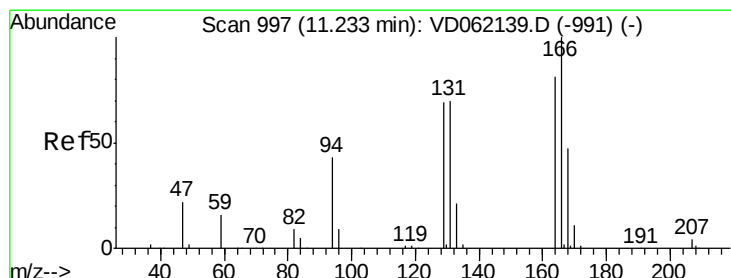
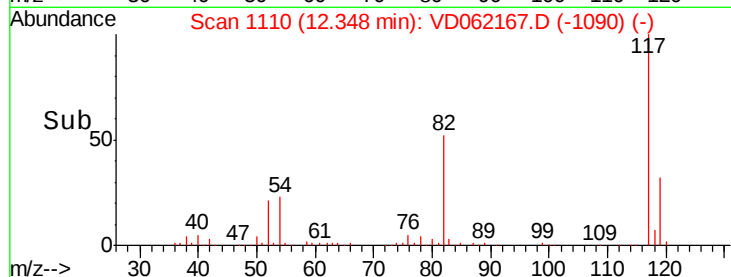
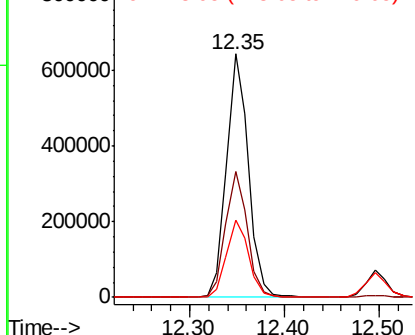
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

Tot Ion:117 Resp: 1026975
Ion Ratio Lower Upper
117 100
82 51.8 36.2 54.2
119 31.7 26.2 39.4

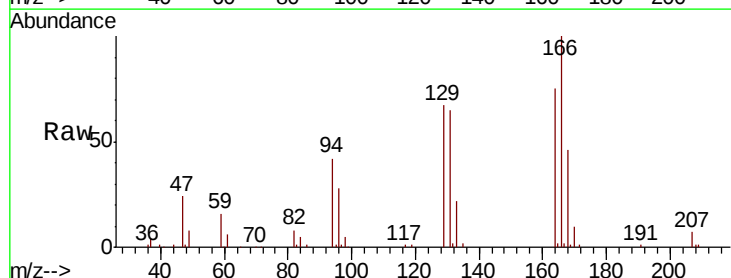


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

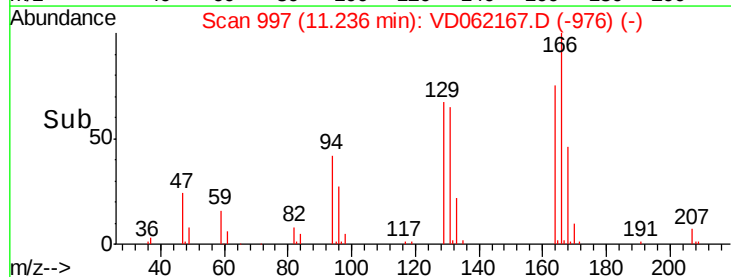
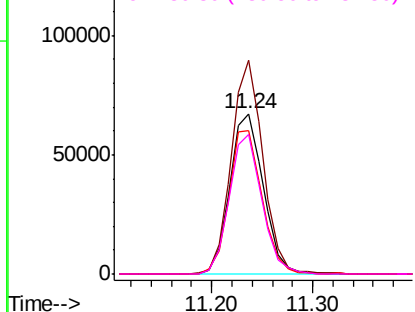


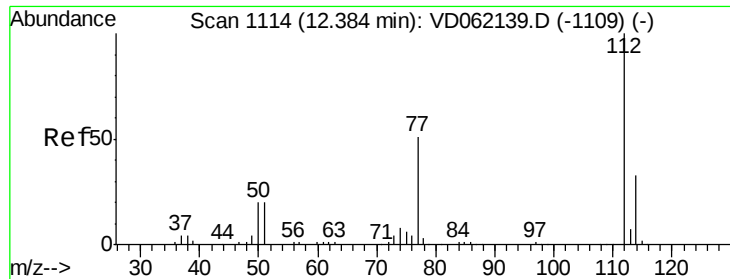
#64
Tetrachloroethene
Concen: 19.154 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Tgt Ion:164 Resp: 153815
Ion Ratio Lower Upper
164 100
166 133.3 101.5 152.3
129 89.8 74.6 112.0
131 86.9 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

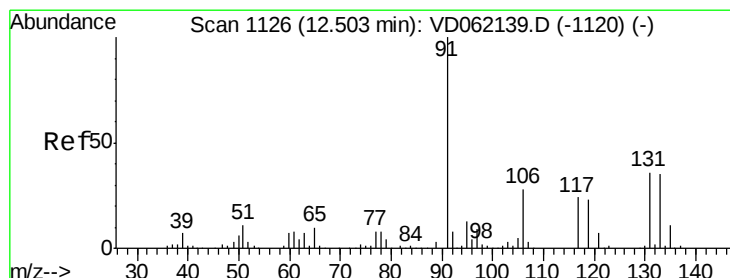
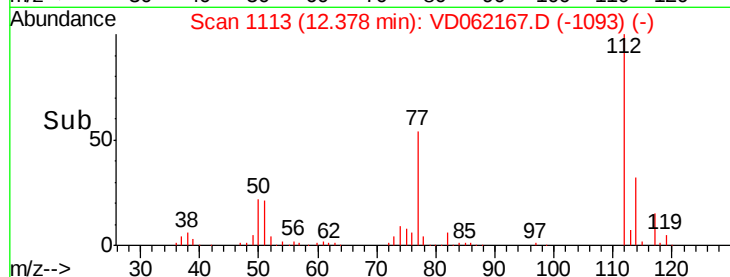
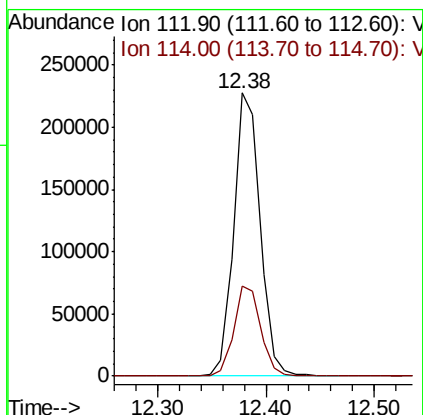
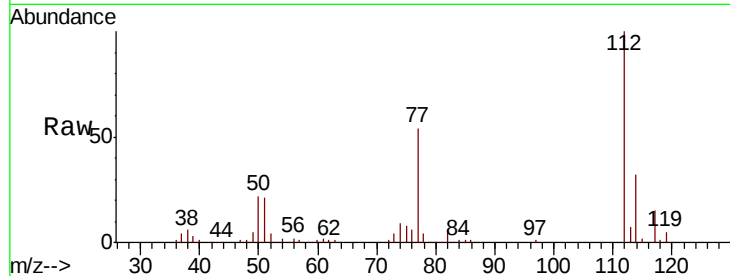




#65
Chlorobenzene
Concen: 20.106 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

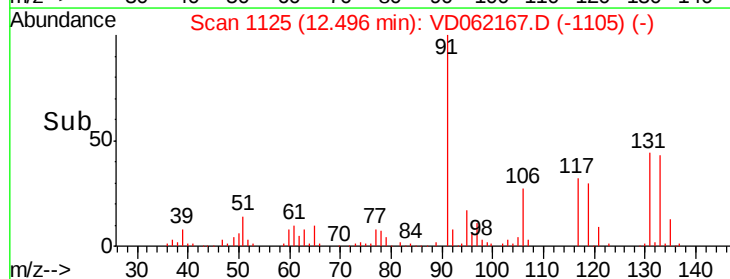
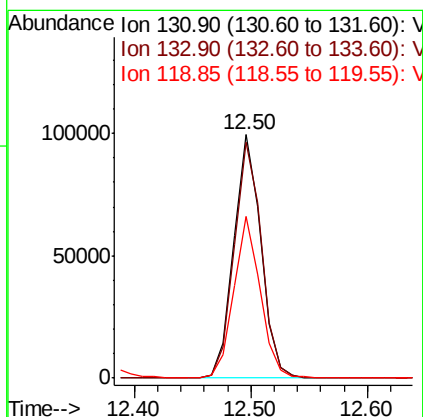
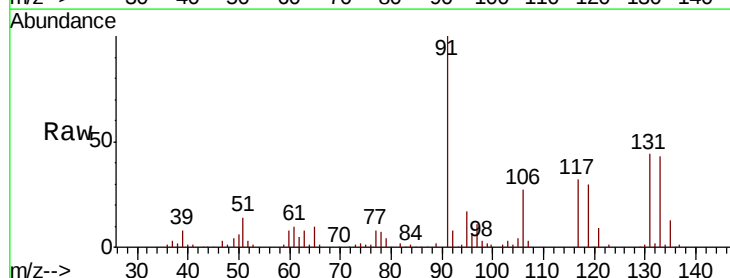
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBSD01

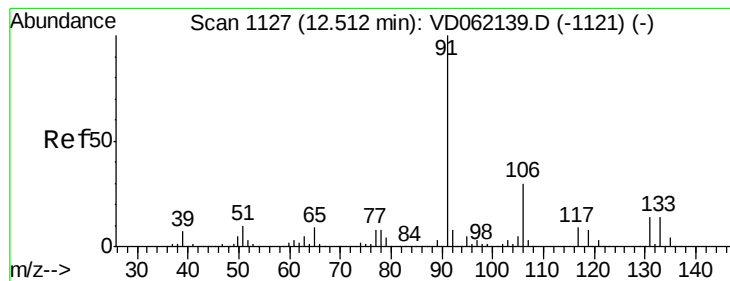
Tot Ion:112 Resp: 384574
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.289 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Tgt Ion:131 Resp: 160577
Ion Ratio Lower Upper
131 100
133 96.8 48.6 145.8
119 66.6 34.7 104.1





#67

Ethyl Benzene

Concen: 20.095 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

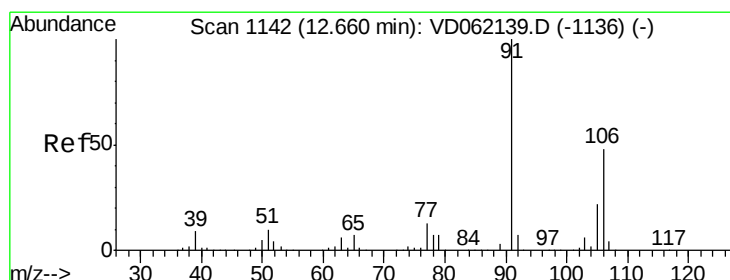
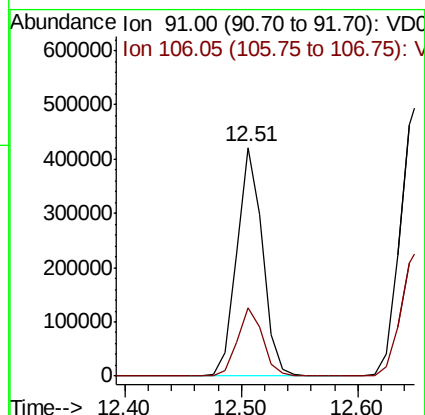
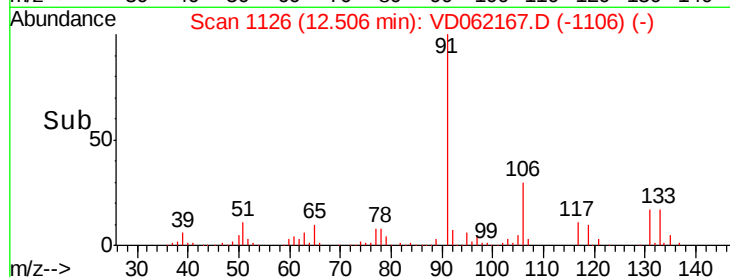
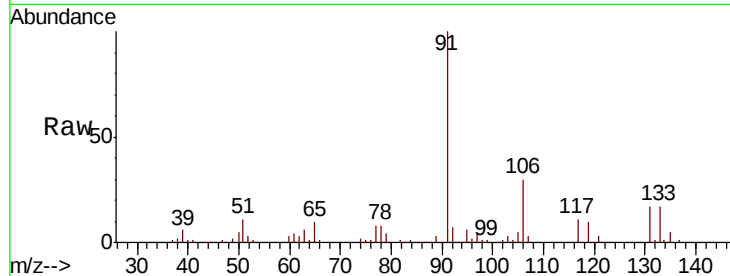
VD0508SBS01

Tot Ion: 91 Resp: 643484

Ion Ratio Lower Upper

91 100

106 30.0 24.7 37.1



#68

m/p-Xylenes

Concen: 40.834 ug/l

RT: 12.65 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VD062167.D

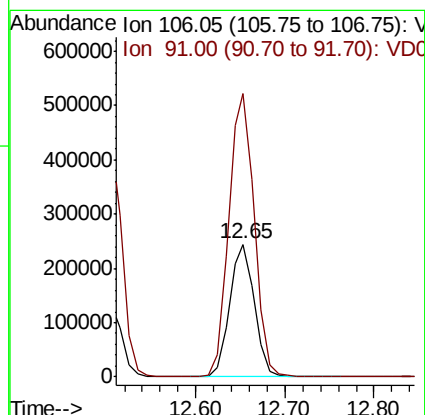
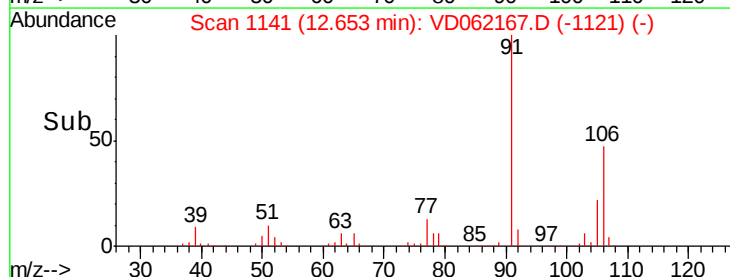
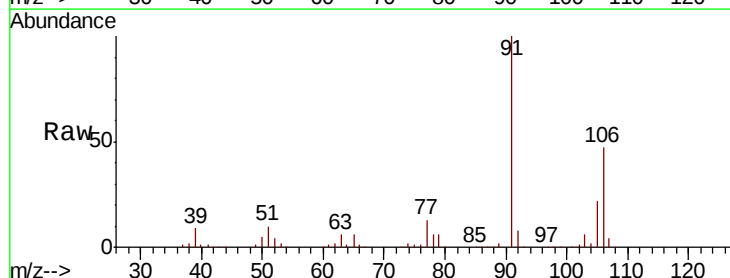
Acq: 8 May 2019 12:03

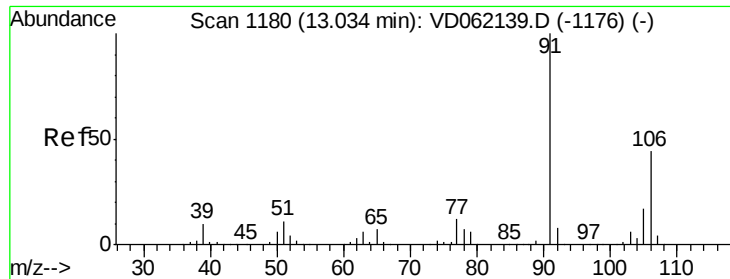
Tgt Ion: 106 Resp: 475742

Ion Ratio Lower Upper

106 100

91 213.3 164.0 246.0

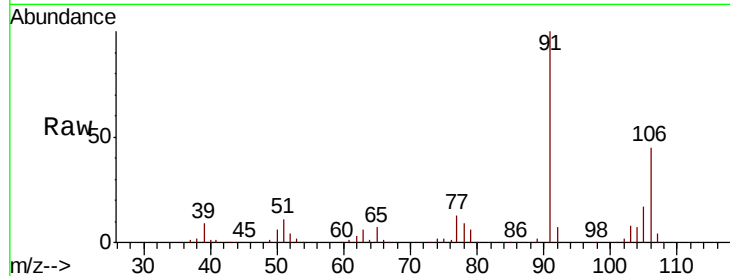




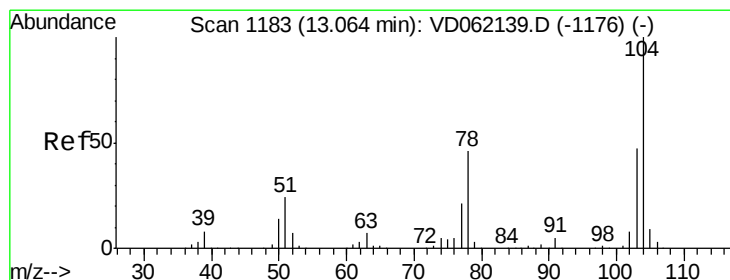
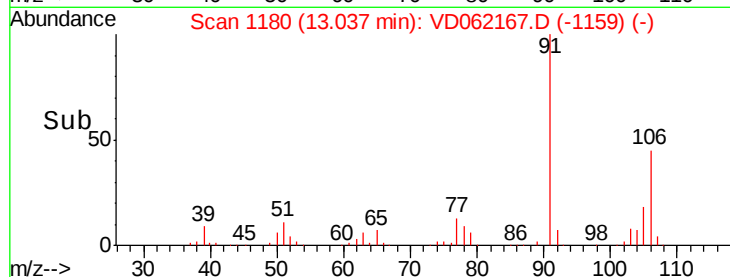
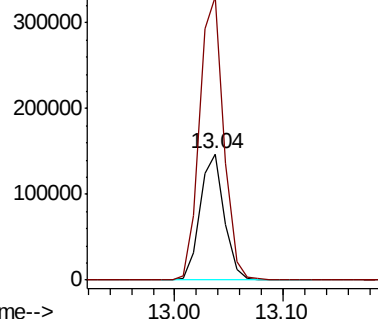
#69
o-Xylene
Concen: 21.057 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD0508SBSD01

Tot Ion:106 Resp: 228078
Ion Ratio Lower Upper
106 100
91 224.5 106.7 319.9

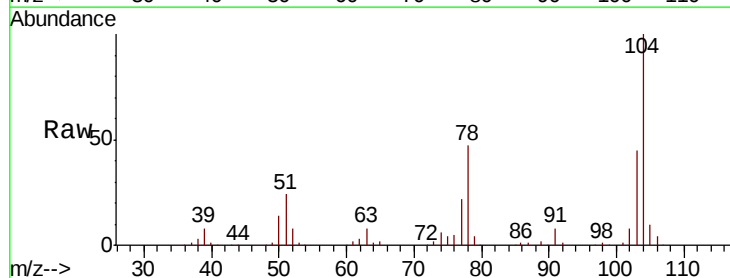


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

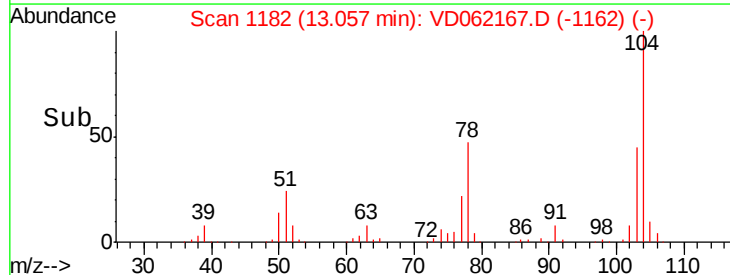
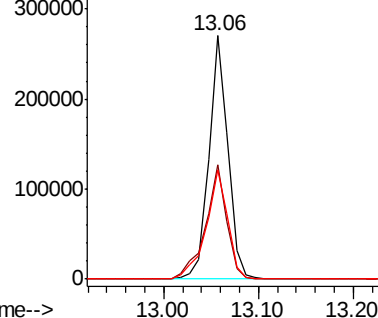


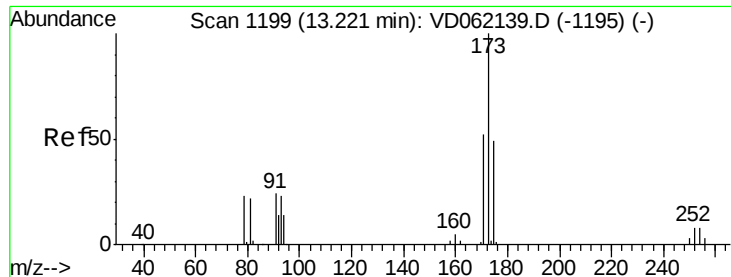
#70
Styrene
Concen: 20.447 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Tgt Ion:104 Resp: 375170
Ion Ratio Lower Upper
104 100
78 47.1 35.4 53.2
103 45.0 37.5 56.3



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





#71

Bromoform

Concen: 19.418 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

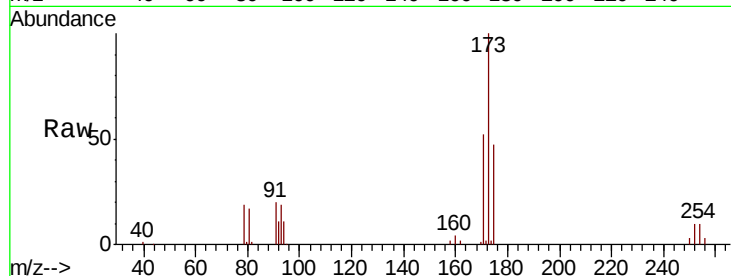
Tot Ion:173 Resp: 112464

Ion Ratio Lower Upper

173 100

175 46.8 24.4 73.4

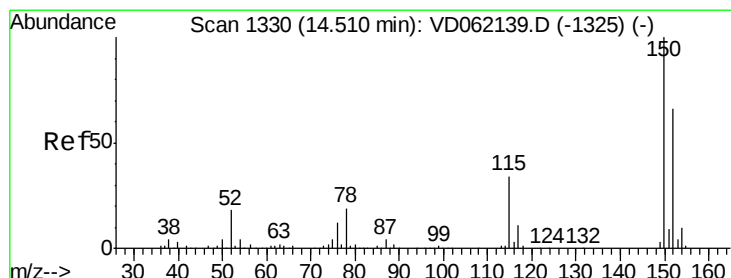
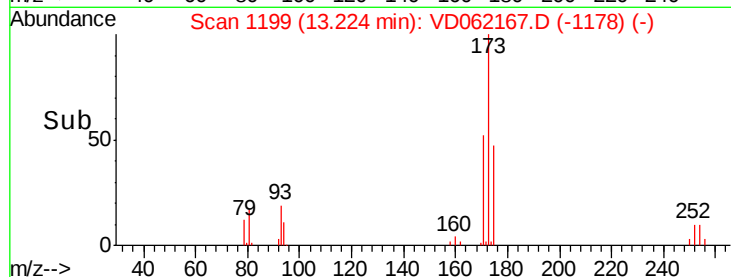
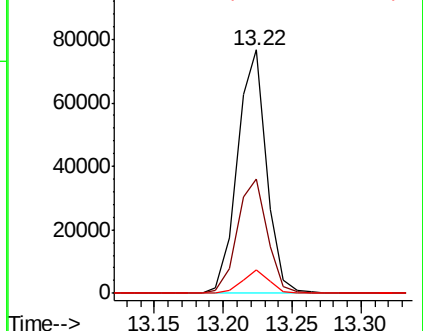
254 9.8 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

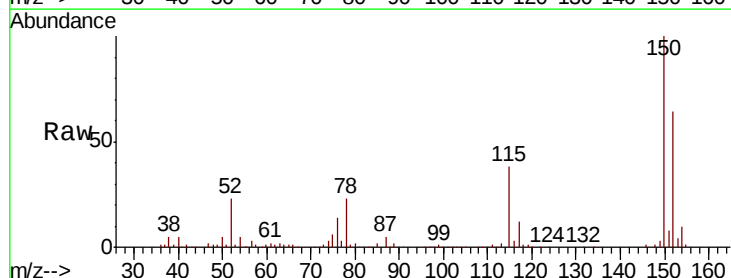
Tgt Ion:152 Resp: 502377

Ion Ratio Lower Upper

152 100

115 59.6 30.9 92.7

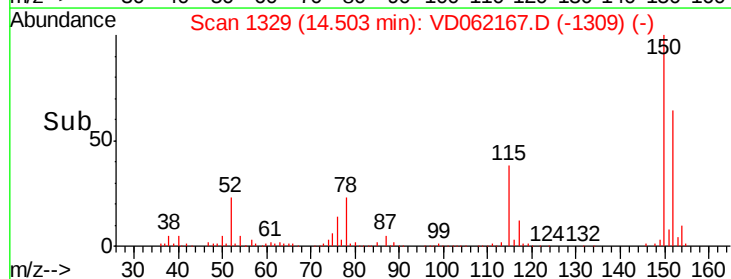
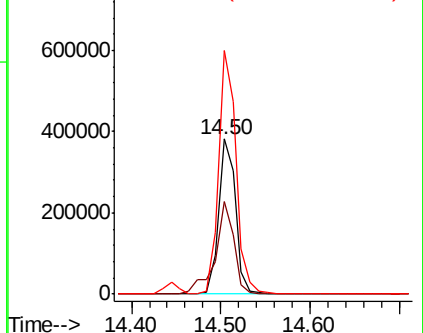
150 156.9 0.0 314.8

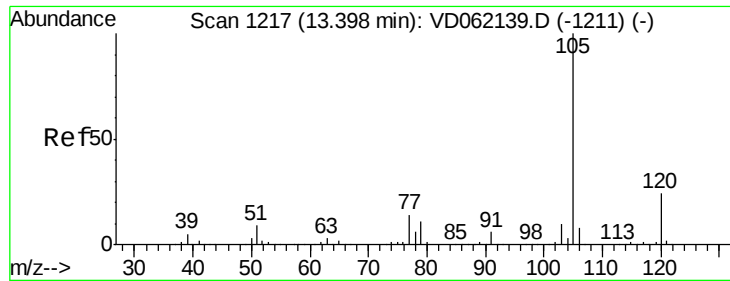


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.135 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

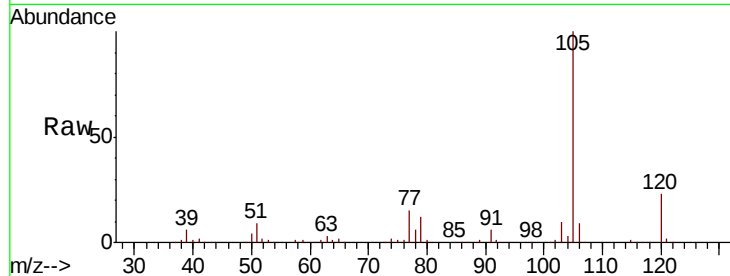
VD0508SBSD01

Tot Ion:105 Resp: 606344

Ion Ratio Lower Upper

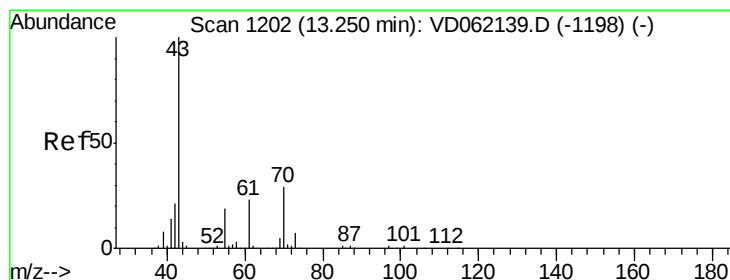
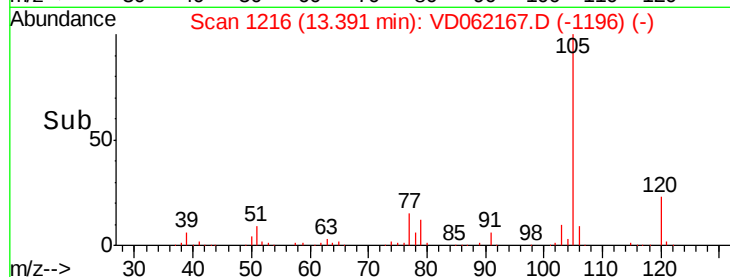
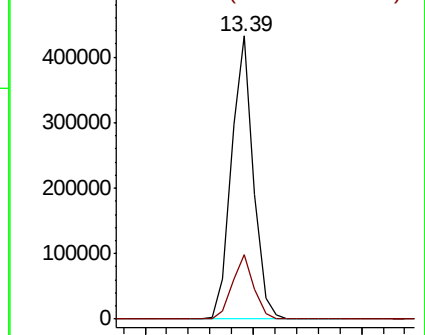
105 100

120 22.9 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: 22.655 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Tgt Ion: 43 Resp: 178866

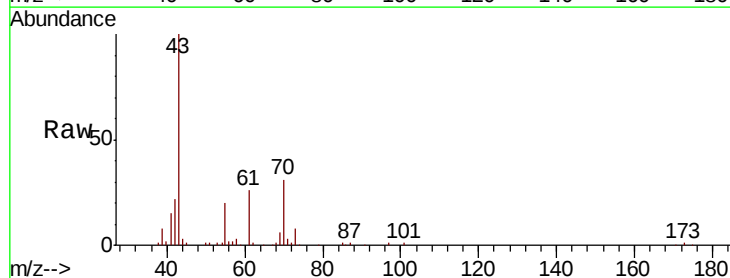
Ion Ratio Lower Upper

43 100

70 30.7 24.2 36.4

55 19.7 16.0 24.0

61 26.0 21.6 32.4

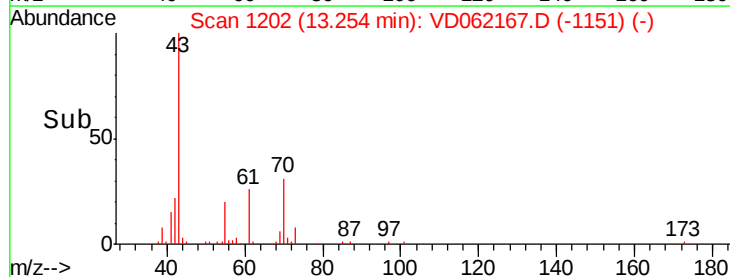
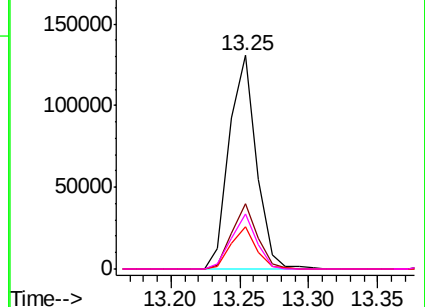


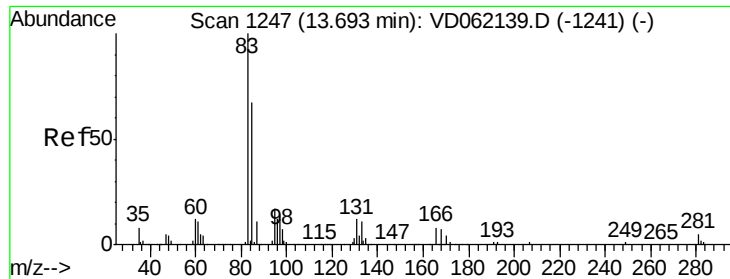
Abundance Ion 42.95 (42.65 to 43.65): VDC

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

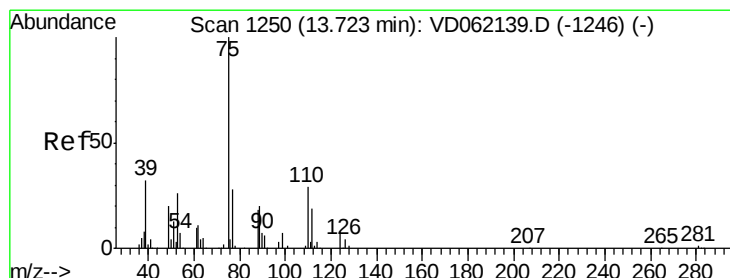
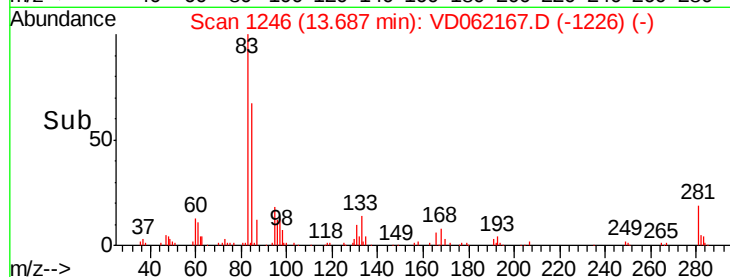
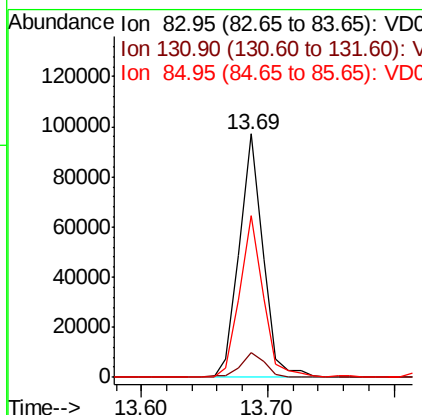
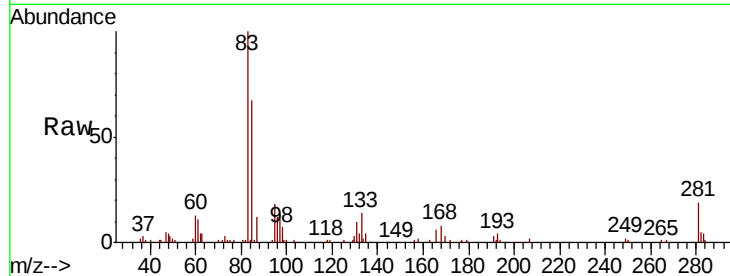




#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.207 ug/l
 RT: 13.69 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

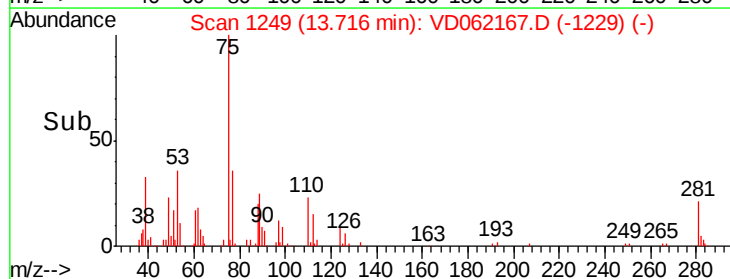
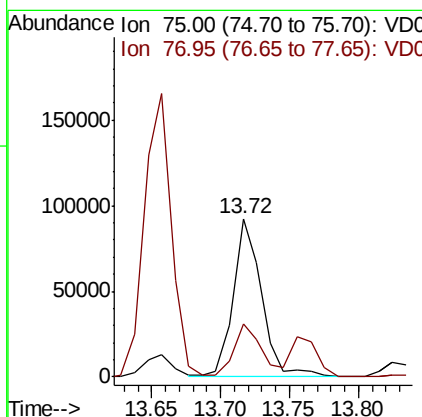
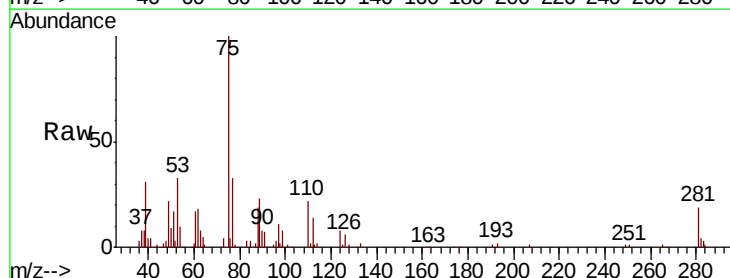
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

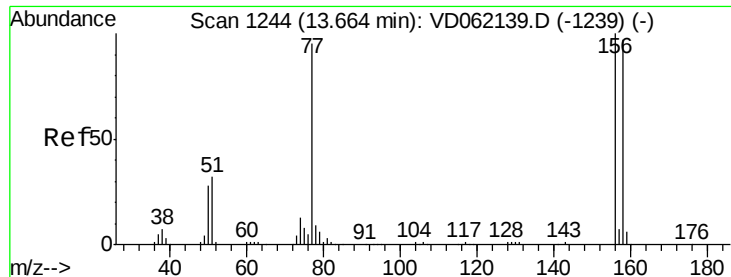
Tot Ion	83	Resp	126603
Ion Ratio	100		
Lower	5.0		
Upper	14.9		
85	67.8	32.6	97.7



#76
 1,2,3-Trichloropropane
 Concen: 22.220 ug/l
 RT: 13.72 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Tgt Ion	75	Resp	132660
Ion Ratio	100		
Lower	16.4		
Upper	49.4		
77	33.4		





#77

Bromobenzene

Concen: 21.350 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

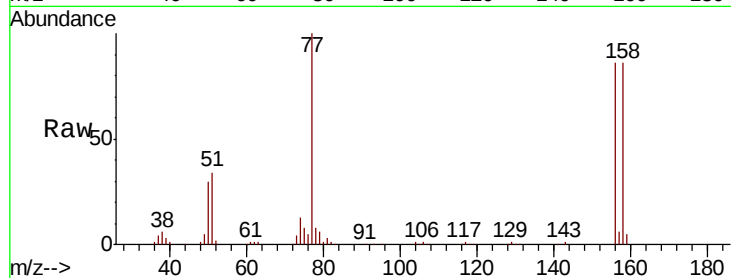
Tot Ion:156 Resp: 179985

Ion Ratio Lower Upper

156 100

77 115.6 53.1 159.4

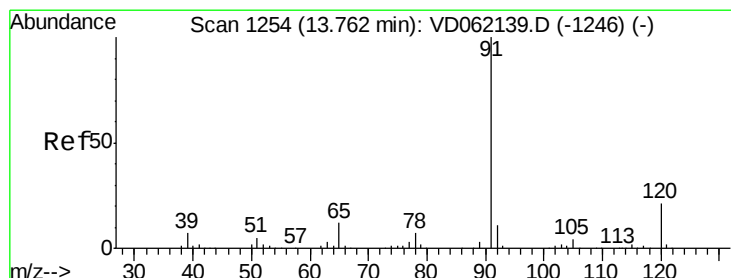
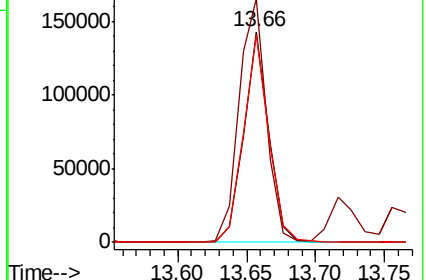
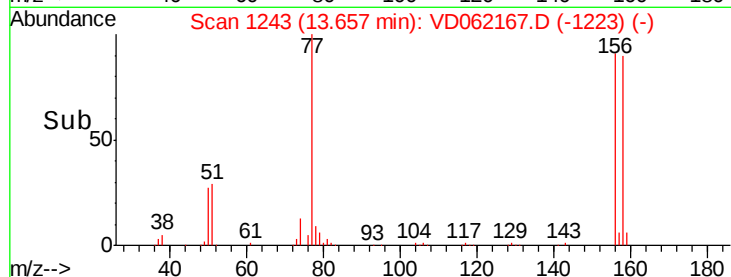
158 98.9 49.4 148.0



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: 22.549 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD062167.D

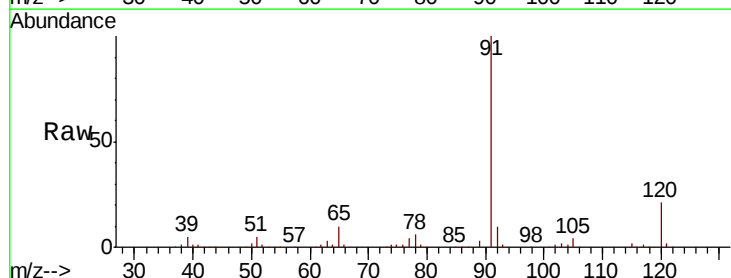
Acq: 8 May 2019 12:03

Tgt Ion: 91 Resp: 810018

Ion Ratio Lower Upper

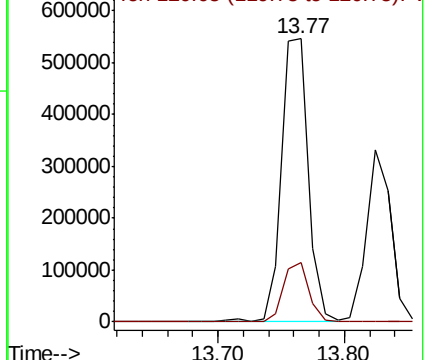
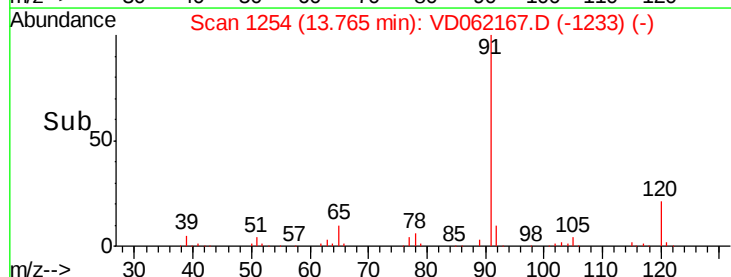
91 100

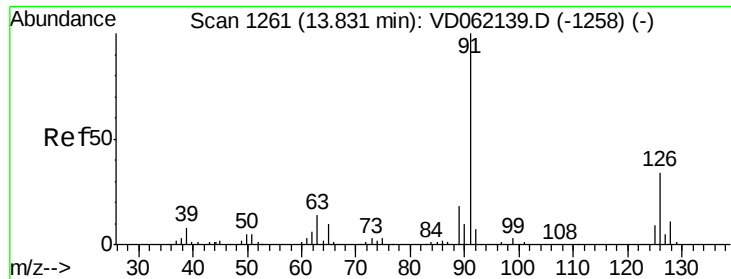
120 21.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.622 ug/l

RT: 13.82 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

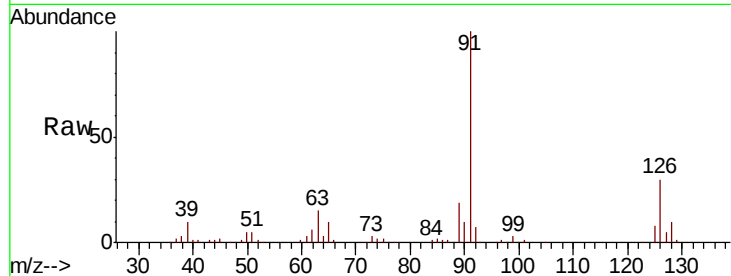
VD0508SBS01

Tot Ion: 91 Resp: 444851

Ion Ratio Lower Upper

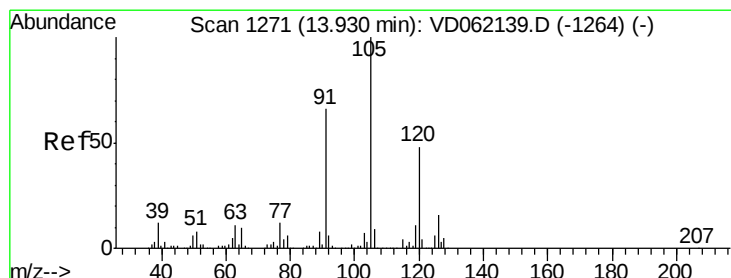
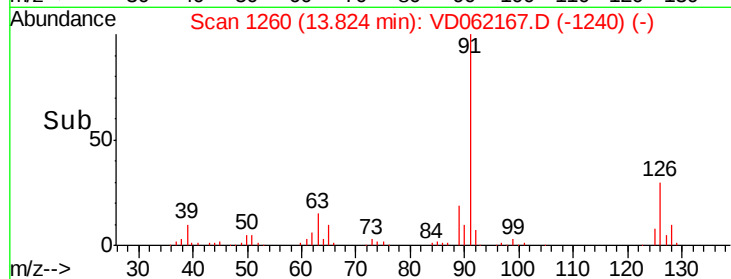
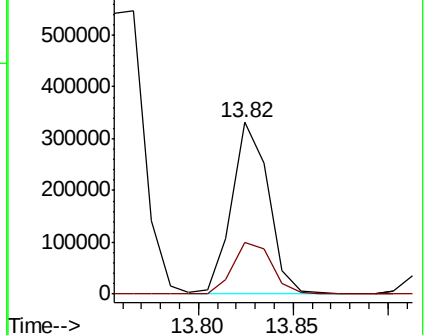
91 100

126 29.8 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: 19.577 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062167.D

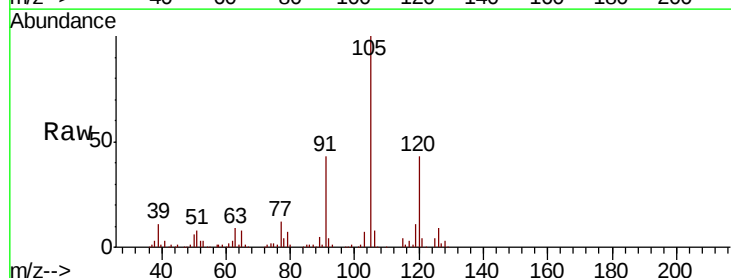
Acq: 8 May 2019 12:03

Tgt Ion:105 Resp: 496438

Ion Ratio Lower Upper

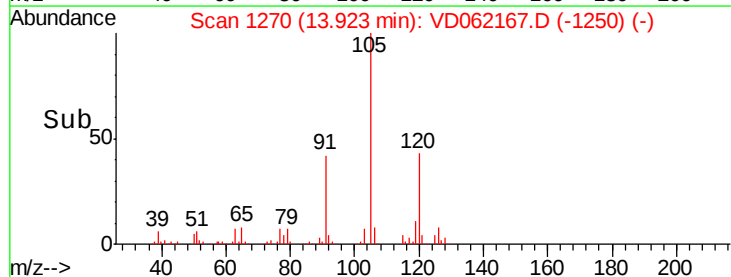
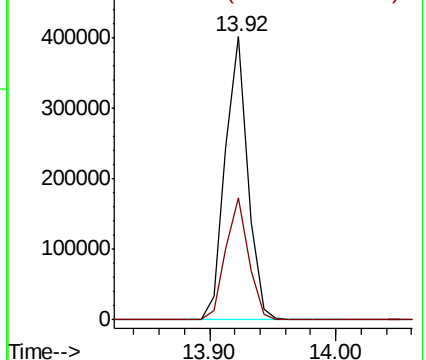
105 100

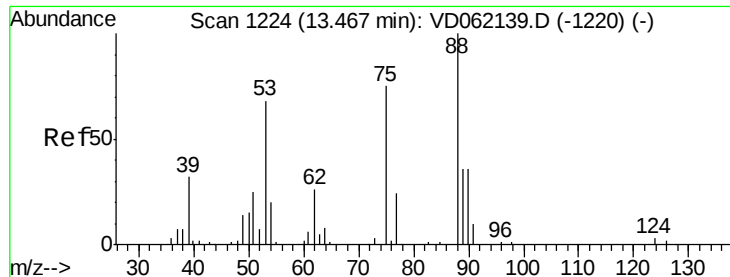
120 43.3 24.0 72.0



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: 20.569 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBS01

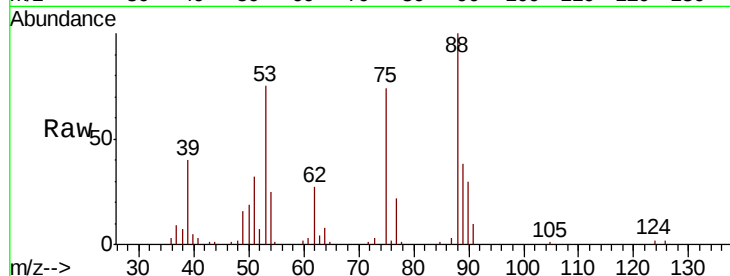
Tot Ion: 75 Resp: 34669

Ion Ratio Lower Upper

75 100

53 101.6 65.8 98.8#

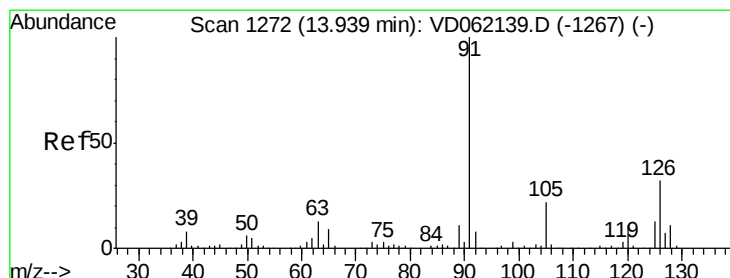
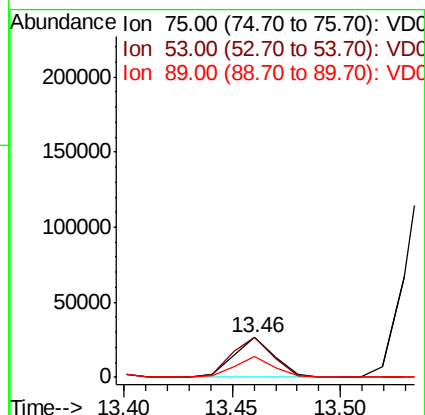
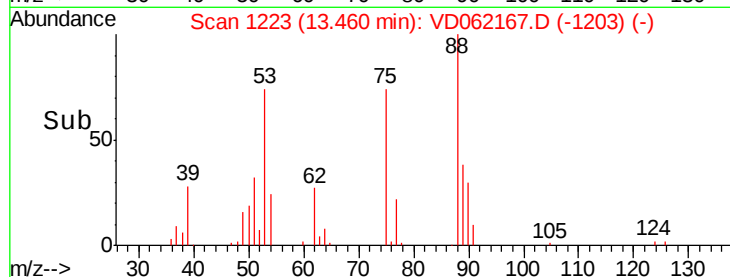
89 51.5 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.699 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD062167.D

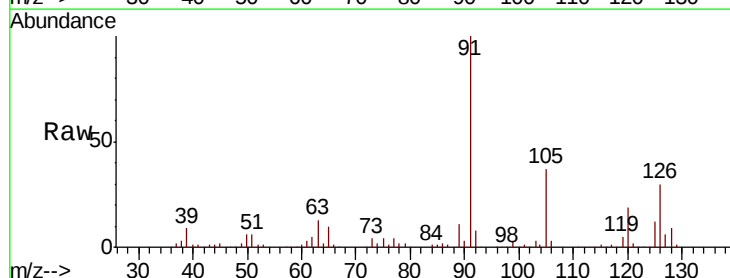
Acq: 8 May 2019 12:03

Tgt Ion: 91 Resp: 501133

Ion Ratio Lower Upper

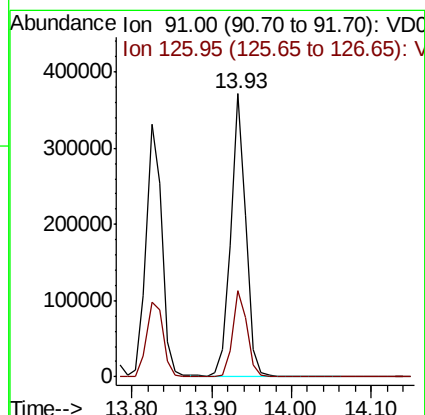
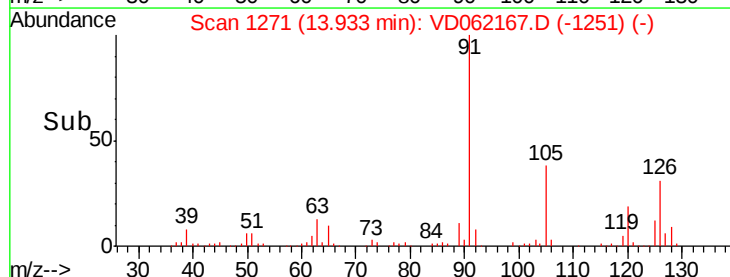
91 100

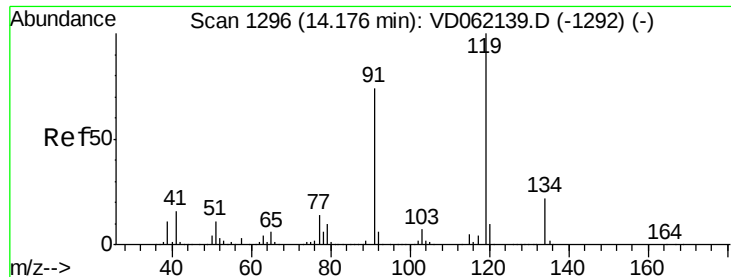
126 30.4 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

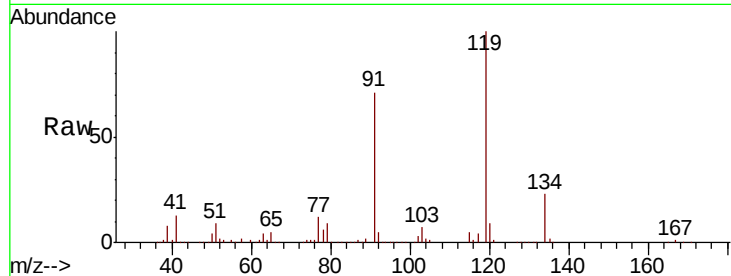




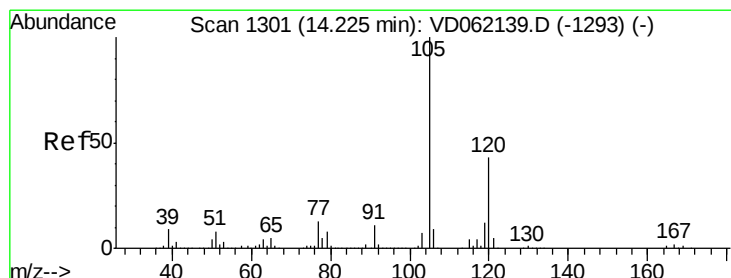
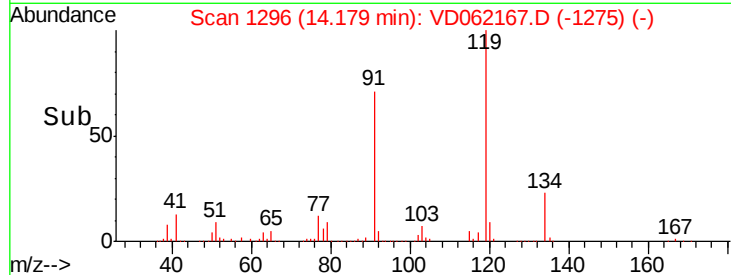
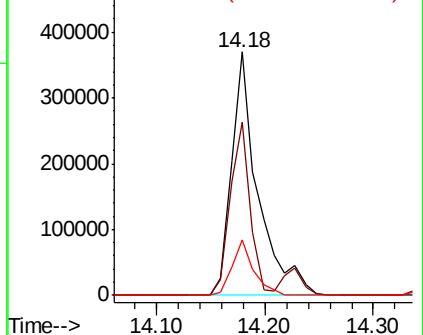
#83
 tert-Butylbenzene
 Concen: 22.033 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Tot Ion:119 Resp: 627997
 Ion Ratio Lower Upper
 119 100
 91 71.3 34.2 102.6
 134 22.6 12.0 36.0

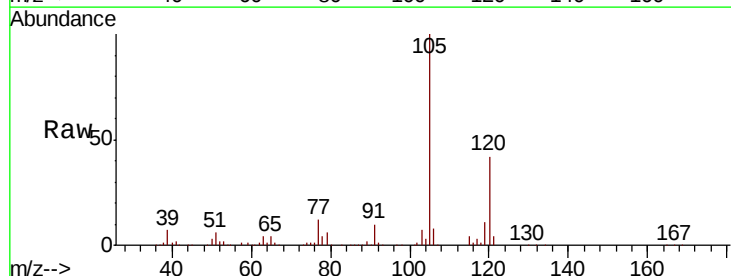


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

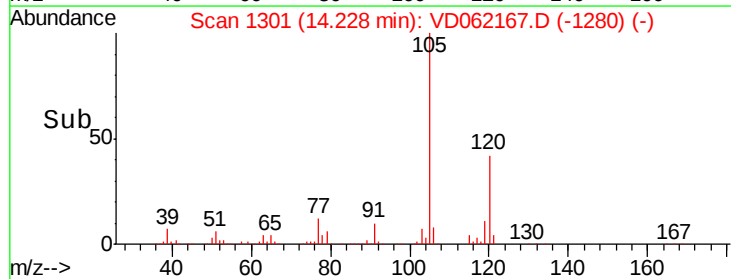
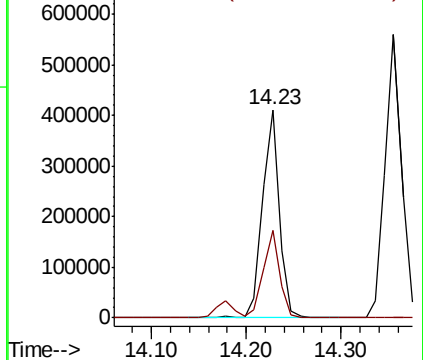


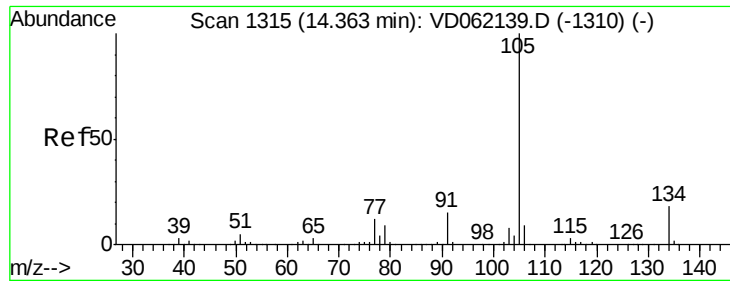
#84
 1,2,4-Trimethylbenzene
 Concen: 20.321 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Tgt Ion:105 Resp: 517125
 Ion Ratio Lower Upper
 105 100
 120 42.1 23.1 69.2



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

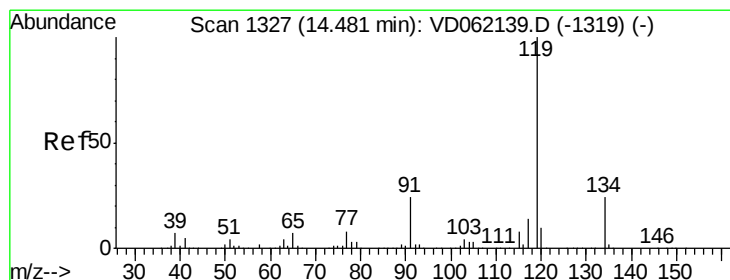
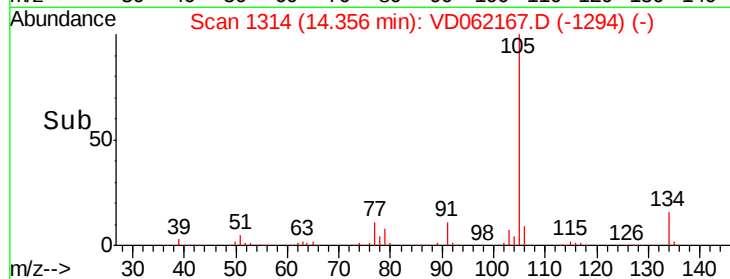
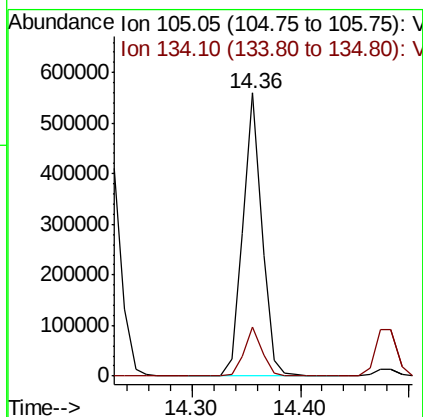
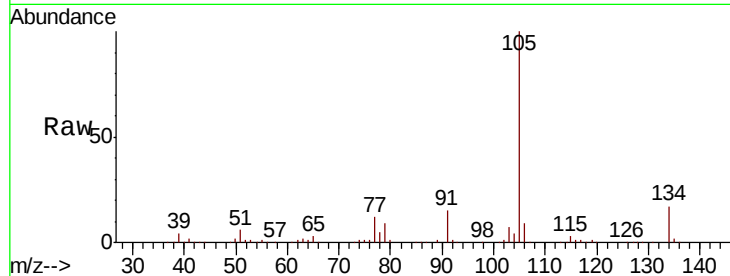




#85
 sec-Butylbenzene
 Concen: 21.898 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

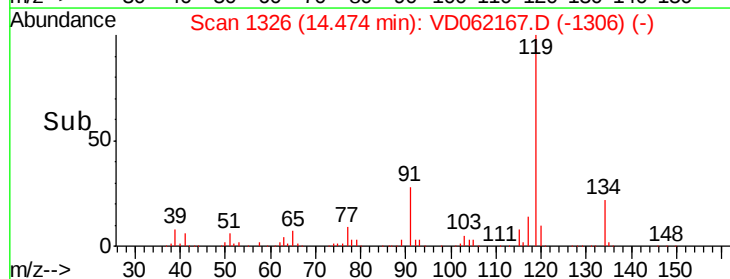
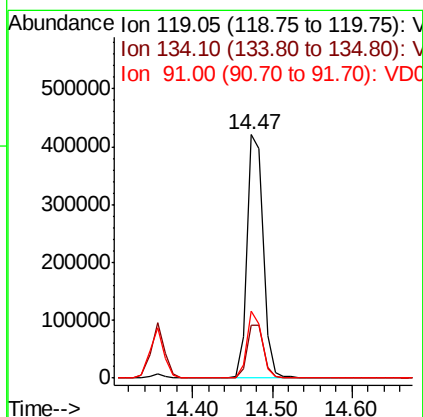
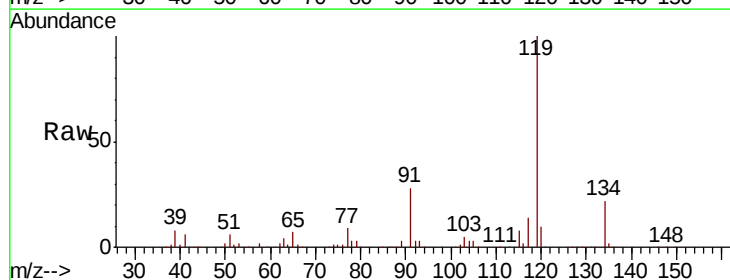
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

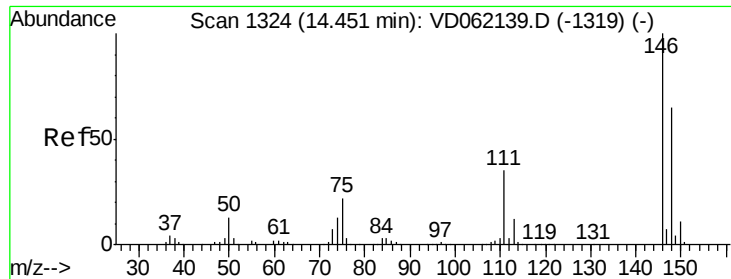
Tot Ion:105 Resp: 684328
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 20.778 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Tgt Ion:119 Resp: 580142
 Ion Ratio Lower Upper
 119 100
 134 21.7 12.8 38.3
 91 27.7 10.7 32.1

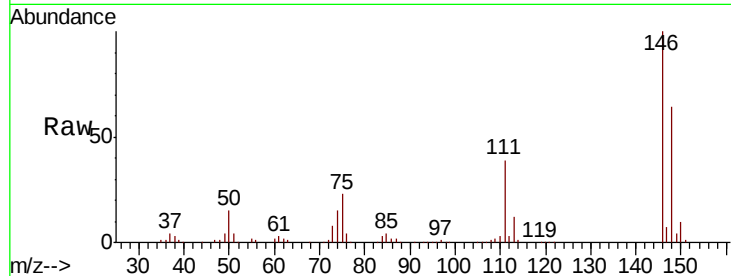




#87
 1,3-Dichlorobenzene
 Concen: 22.053 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.0	60.0
148	63.6	31.8	95.4

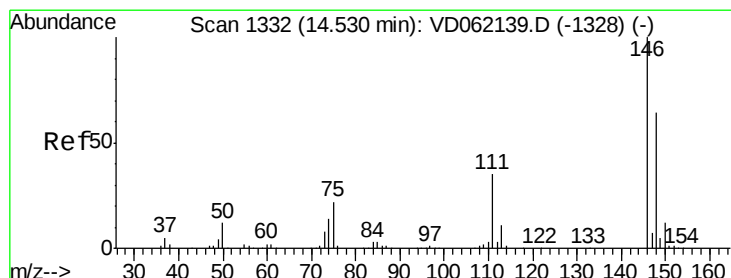
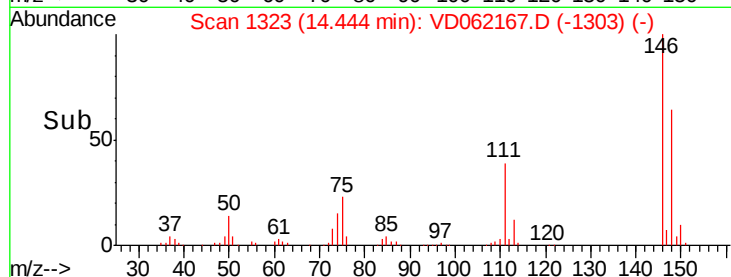
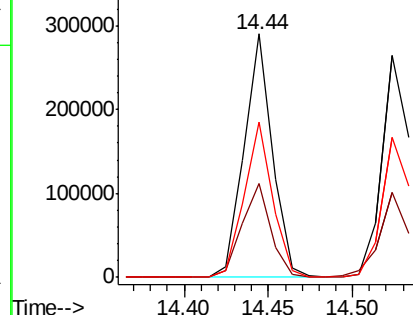


Abundance

Ion 145.95 (145.65 to 146.65): V

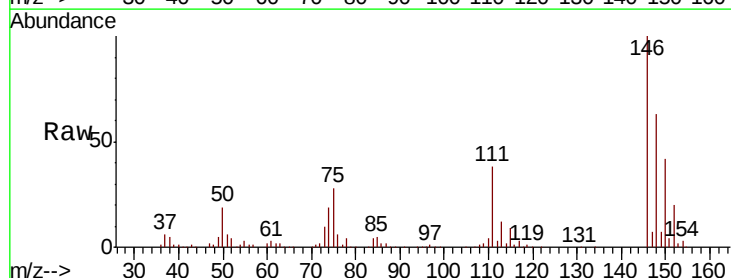
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 20.654 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.2	60.5
148	62.8	32.0	96.2

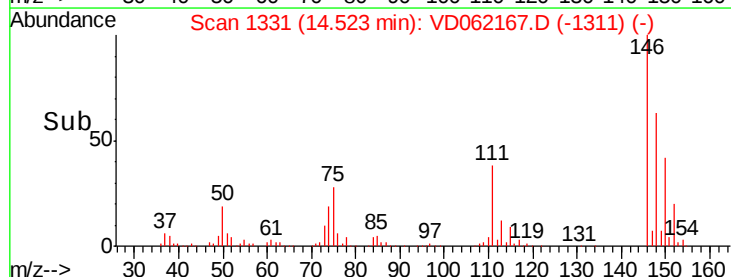
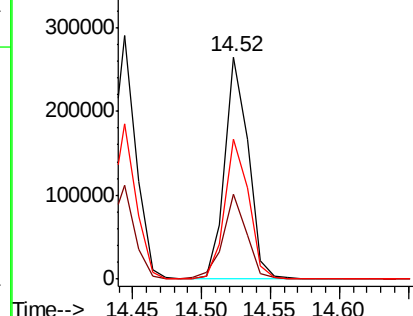


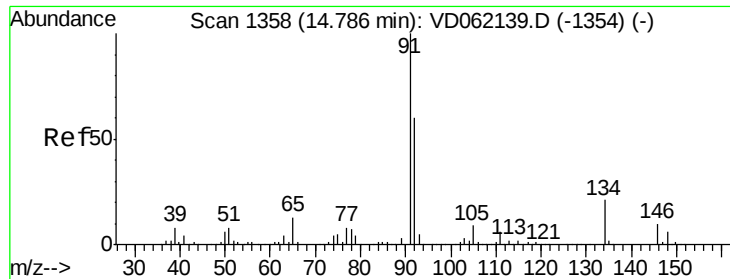
Abundance

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

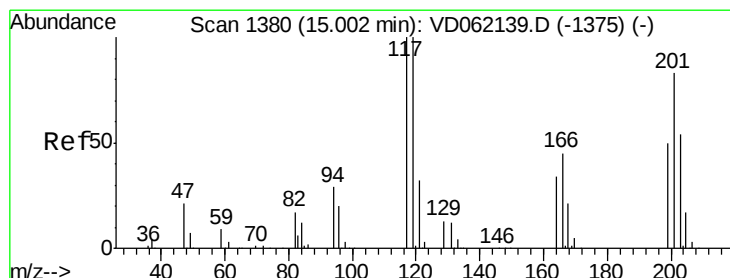
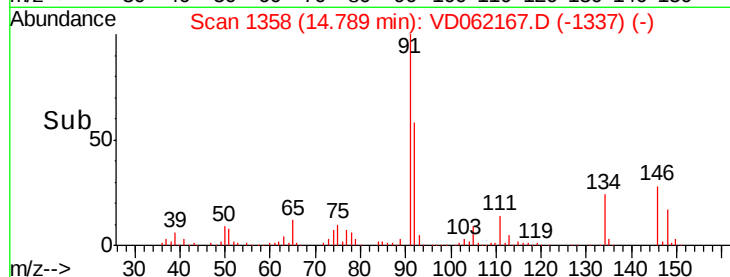
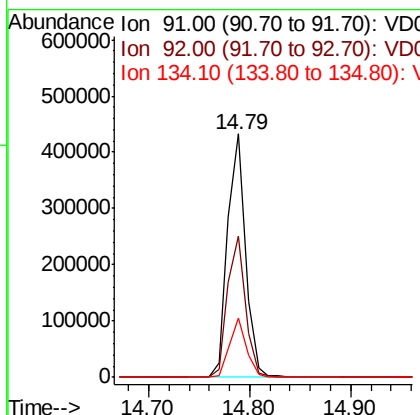
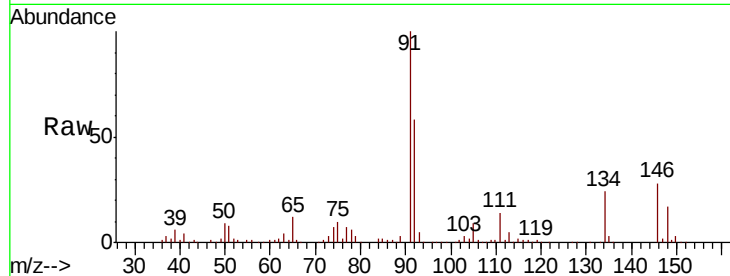




#89
n-Butylbenzene
Concen: 21.367 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

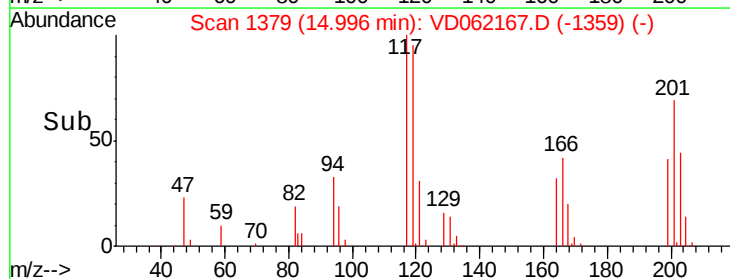
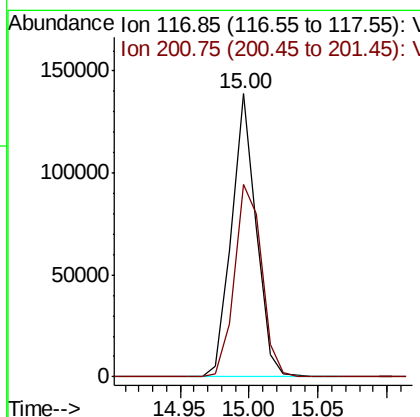
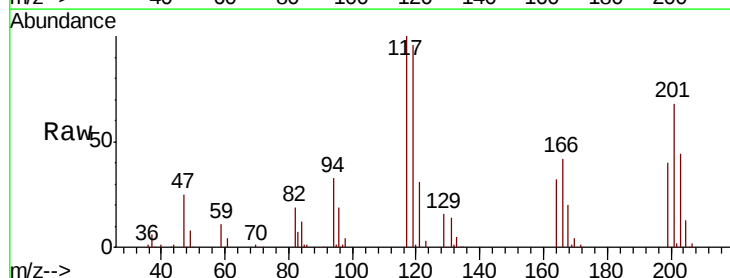
Instrument :
MSVOA_D
ClientSampleId :
VD0508SBS01

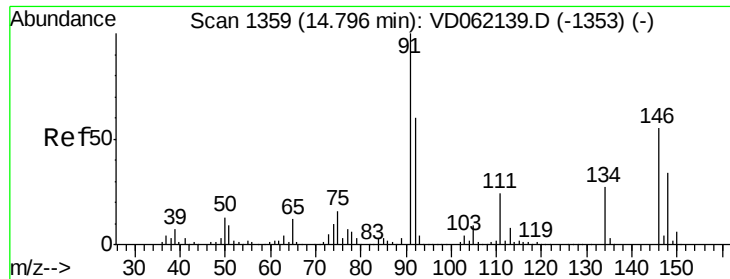
Tot Ion: 91 Resp: 535467
Ion Ratio Lower Upper
91 100
92 58.2 30.3 91.0
134 24.3 14.5 43.6



#90
Hexachloroethane
Concen: 22.718 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062167.D
Acq: 8 May 2019 12:03

Tgt Ion: 117 Resp: 172493
Ion Ratio Lower Upper
117 100
201 68.1 30.2 90.6

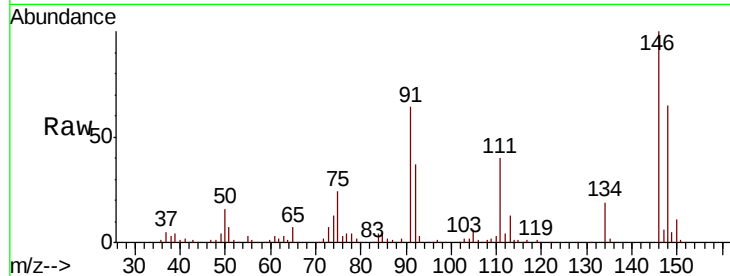




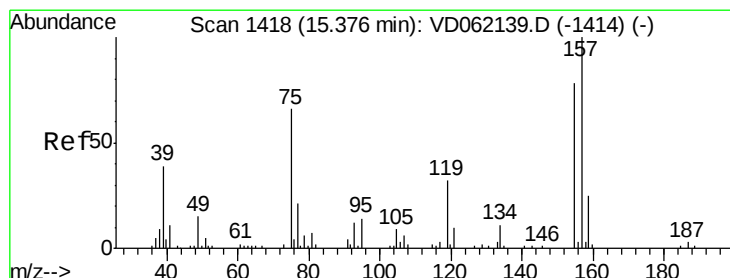
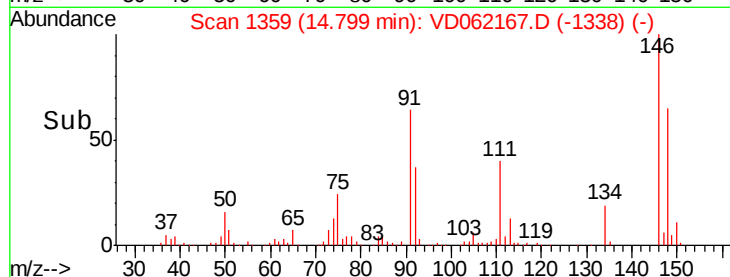
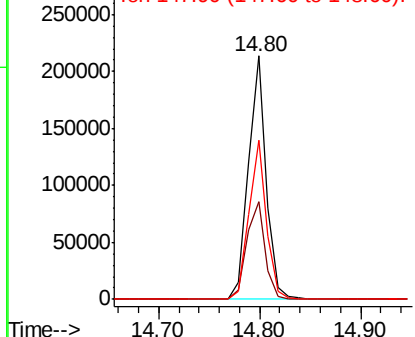
#91
 1,2-Dichlorobenzene
 Concen: 20.752 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBSD01

Tot Ion:146 Resp: 263193
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 65.2 32.3 96.8

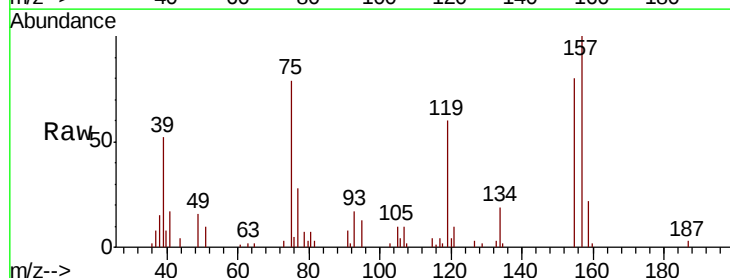


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

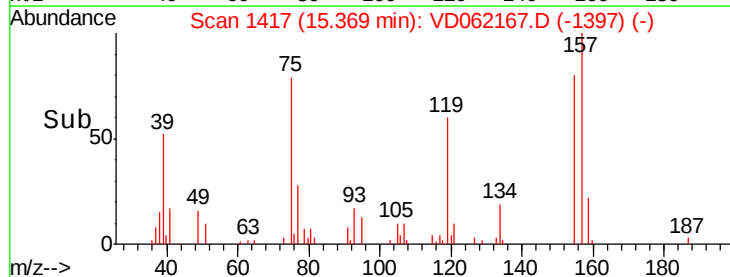
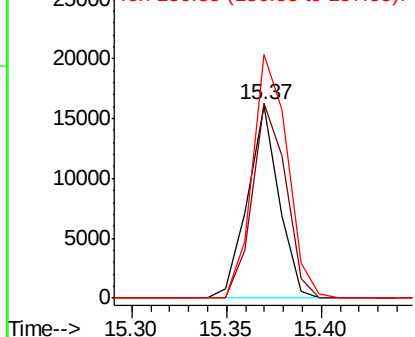


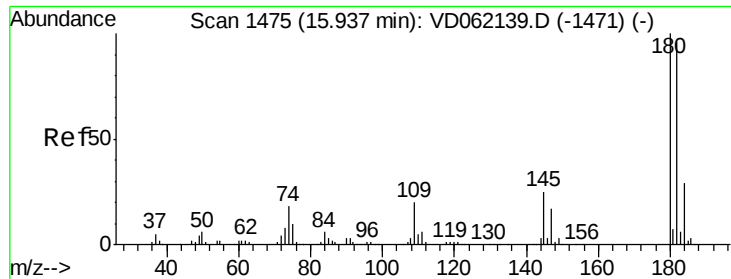
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.871 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Tgt Ion: 75 Resp: 18596
 Ion Ratio Lower Upper
 75 100
 155 101.2 55.3 165.8
 157 126.4 67.8 203.2



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

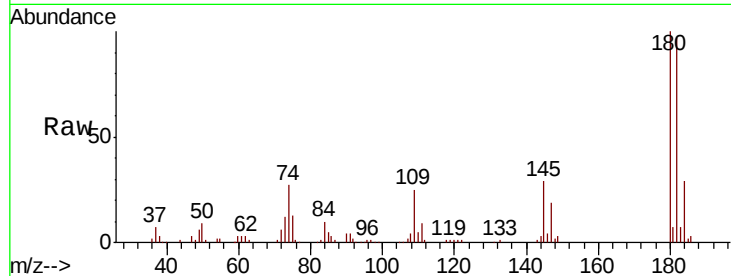




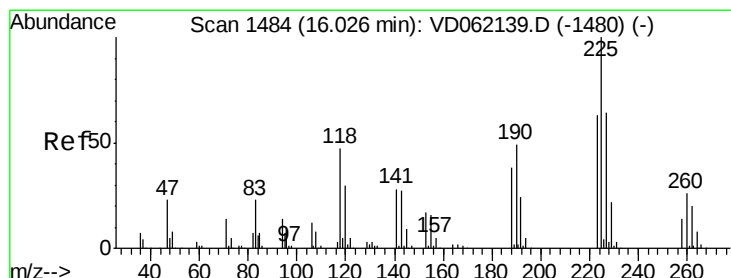
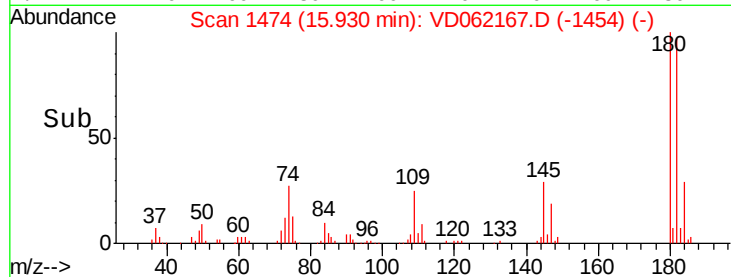
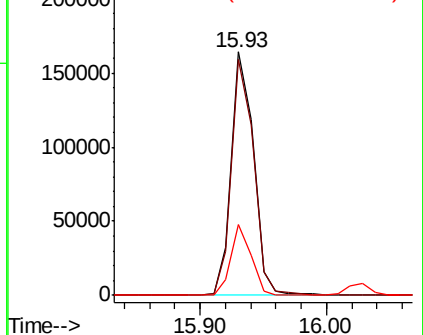
#93
 1,2,4-Trichlorobenzene
 Concen: 21.705 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Tot Ion:180 Resp: 200363
 Ion Ratio Lower Upper
 180 100
 182 96.7 49.3 147.8
 145 29.1 16.2 48.6

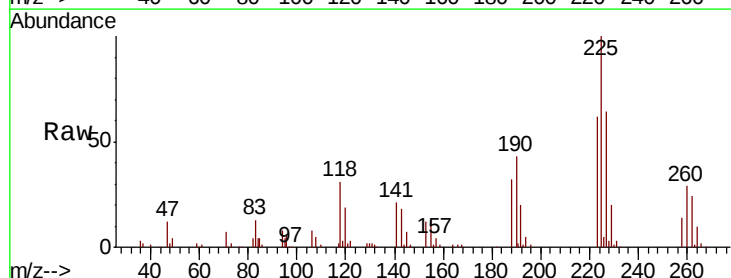


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

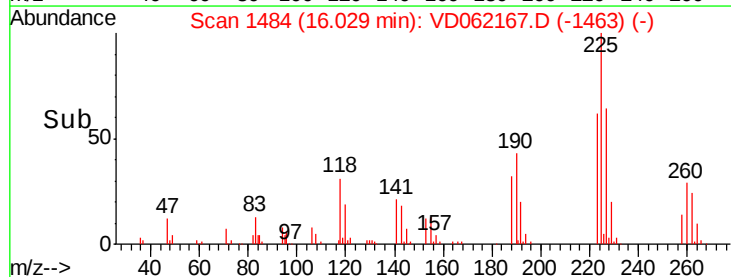
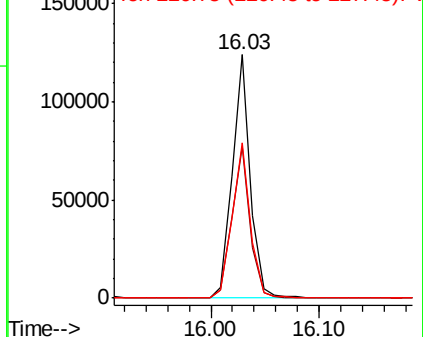


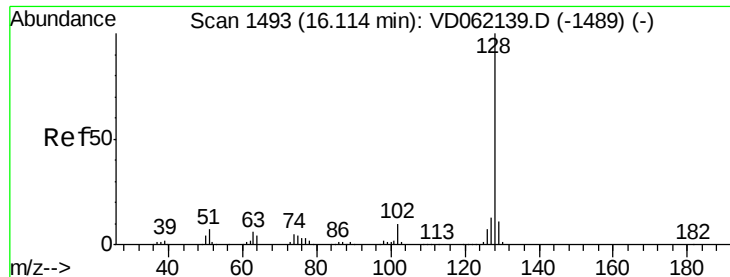
#94
 Hexachlorobutadiene
 Concen: 20.825 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD062167.D
 Acq: 8 May 2019 12:03

Tgt Ion:225 Resp: 142980
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.6 92.0
 227 63.9 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: 18.513 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD0508SBSD01

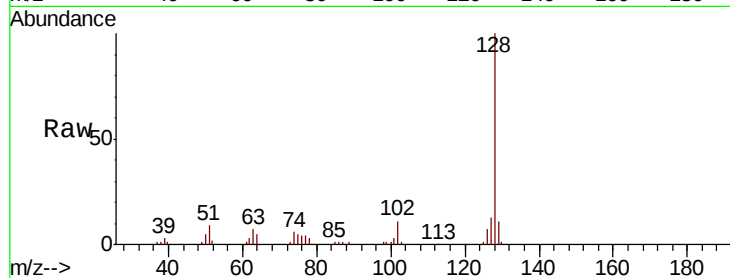
Tot Ion:128 Resp: 238591

Ion Ratio Lower Upper

128 100

127 12.5 9.8 14.8

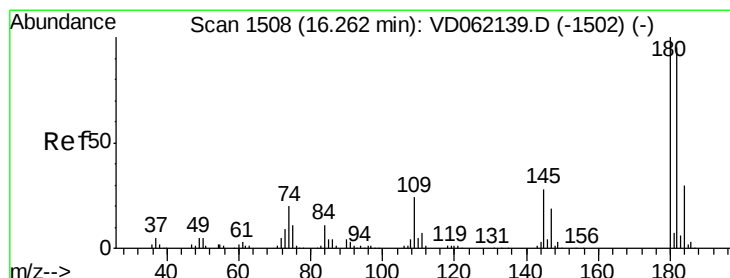
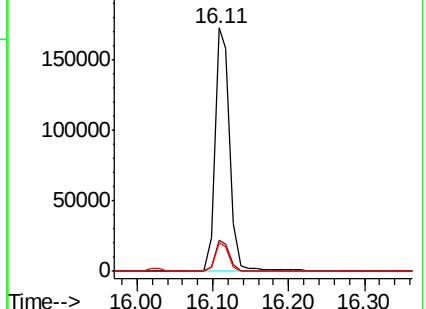
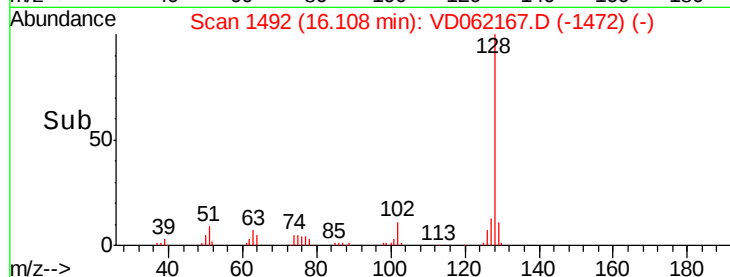
129 11.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.082 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD062167.D

Acq: 8 May 2019 12:03

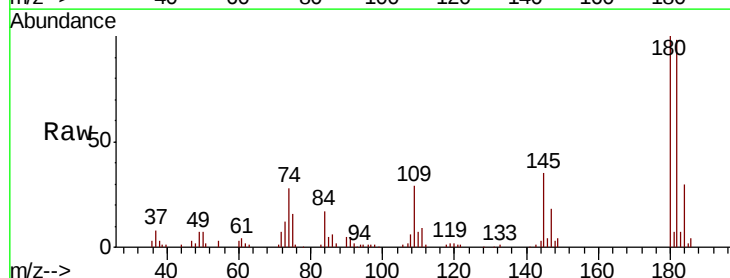
Tgt Ion:180 Resp: 133967

Ion Ratio Lower Upper

180 100

182 98.0 47.0 141.0

145 35.3 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

