

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060419\
 Data File : VD062600.D
 Acq On : 4 Jun 2019 16:11
 Operator : FY/SY
 Sample : VD0604SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0604SBS01

Quant Time: Jun 05 03:48:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	782586	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1034105	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	899795	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	507916	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	537319	58.56	ug/l	-0.02
Spiked Amount			Recovery	=	117.12%	
35) Dibromofluoromethane	6.92	113	551638	58.54	ug/l	-0.02
Spiked Amount			Recovery	=	117.08%	
50) Toluene-d8	10.40	98	1116199	54.06	ug/l	-0.02
Spiked Amount			Recovery	=	108.12%	
62) 4-Bromofluorobenzene	13.55	95	535256	57.49	ug/l	-0.01
Spiked Amount			Recovery	=	114.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	195549	21.544	ug/l	96
3) Chloromethane	1.75	50	146277	13.960	ug/l	96
4) Vinyl Chloride	1.85	62	147802	21.318	ug/l	93
5) Bromomethane	2.14	94	65565	29.120	ug/l	99
6) Chloroethane	2.26	64	63649	19.577	ug/l	91
7) Trichlorofluoromethane	2.53	101	314434	21.460	ug/l	94
8) Diethyl Ether	2.86	74	43331	23.053	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	181616	20.990	ug/l	95
10) Methyl Iodide	3.29	142	221566	22.568	ug/l	97
11) Tert butyl alcohol	4.07	59	40882	104.456	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	133221	21.765	ug/l	89
13) Acrolein	3.04	56	16667	97.735	ug/l #	60
14) Allyl chloride	3.61	41	202854	21.216	ug/l	98
15) Acrylonitrile	4.19	53	97987	104.730	ug/l	94
16) Acetone	3.22	43	169234	93.867	ug/l	100
17) Carbon Disulfide	3.36	76	375115	18.853	ug/l	98
18) Methyl Acetate	3.63	43	67490	22.935	ug/l #	90
19) Methyl tert-butyl Ether	4.23	73	292193	19.706	ug/l	100
20) Methylene Chloride	3.80	84	141449	21.194	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	142485	20.513	ug/l	80
22) Diisopropyl ether	5.12	45	414632	21.227	ug/l	95
23) Vinyl Acetate	5.05	43	1255691	106.006	ug/l	99
24) 1,1-Dichloroethane	4.98	63	257491	20.428	ug/l	98
25) 2-Butanone	6.07	43	165029	97.192	ug/l	96
26) 2,2-Dichloropropane	6.01	77	295449	21.128	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	149107	20.883	ug/l	99
28) Bromochloromethane	6.42	49	100695	23.118	ug/l	93
29) Tetrahydrofuran	6.44	42	83091	109.243	ug/l	99
30) Chloroform	6.66	83	325059	21.401	ug/l	96
31) Cyclohexane	6.95	56	157535	18.485	ug/l #	85
32) 1,1,1-Trichloroethane	6.86	97	332538	21.037	ug/l	95
36) 1,1-Dichloropropene	7.13	75	212092	20.603	ug/l	92
37) Ethyl Acetate	6.18	43	83504	19.241	ug/l #	97
38) Carbon Tetrachloride	7.10	117	344585	22.483	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	190238	21.828	ug/l	90
40) Benzene	7.45	78	425039	21.037	ug/l	96
41) Methacrylonitrile	6.44	41	117615	23.030	ug/l #	88
42) 1,2-Dichloroethane	7.58	62	240117	21.336	ug/l	98
43) Isopropyl Acetate	9.23	43	116898	21.642	ug/l #	95
44) Trichloroethene	8.53	130	171576	21.257	ug/l	92
45) 1,2-Dichloropropane	8.94	63	102096	20.611	ug/l	99
46) Dibromomethane	9.06	93	87551	21.043	ug/l	96
47) Bromodichloromethane	9.37	83	251627	21.950	ug/l	98
48) Methyl methacrylate	9.11	41	74477	20.702	ug/l	88
49) 1,4-Dioxane	9.08	88	13787	471.812	ug/l	93
51) 4-Methyl-2-Pentanone	10.29	43	379380	100.672	ug/l	99
52) Toluene	10.50	92	287455	20.861	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	208308	21.507	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	217764	21.625	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	99761	22.049	ug/l	93
56) Ethyl methacrylate	11.03	69	106118	22.005	ug/l	91
57) 1,3-Dichloropropane	11.41	76	140511	20.145	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	298508	120.692	ug/l	98
59) 2-Hexanone	11.52	43	281431	106.470	ug/l	93
60) Dibromochloromethane	11.68	129	182911	20.803	ug/l	99
61) 1,2-Dibromoethane	11.80	107	116014	21.315	ug/l	96
64) Tetrachloroethene	11.25	164	161244	20.272	ug/l	95
65) Chlorobenzene	12.39	112	335482	19.139	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.51	131	166727	20.112	ug/l	94
67) Ethyl Benzene	12.52	91	621785	19.361	ug/l	99
68) m/p-Xylenes	12.67	106	460394	41.440	ug/l	96
69) o-Xylene	13.04	106	191508	18.070	ug/l	80
70) Styrene	13.07	104	353606	19.650	ug/l	97
71) Bromoform	13.23	173	115054	19.771	ug/l #	91
73) Isopropylbenzene	13.39	105	657361	19.632	ug/l	97
74) N-amyl acetate	13.26	43	162080	18.984	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	108635	20.456	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	120898	19.840	ug/l	92
77) Bromobenzene	13.67	156	187931	20.470	ug/l	93
78) n-propylbenzene	13.77	91	787104	20.393	ug/l	98
79) 2-Chlorotoluene	13.84	91	442458	19.771	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	599950	20.968	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	30795	17.637	ug/l #	78
82) 4-Chlorotoluene	13.95	91	573883	21.420	ug/l	96
83) tert-Butylbenzene	14.18	119	668999	20.954	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	602744	20.673	ug/l	99
85) sec-Butylbenzene	14.36	105	680235	20.113	ug/l	97
86) p-Isopropyltoluene	14.49	119	652202	20.640	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	327655	20.588	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	314725	19.734	ug/l	98
89) n-Butylbenzene	14.79	91	614337	21.779	ug/l	100
90) Hexachloroethane	15.01	117	166423	19.852	ug/l	97
91) 1,2-Dichlorobenzene	14.80	146	293499	21.923	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	21175	19.230	ug/l	94

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Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration

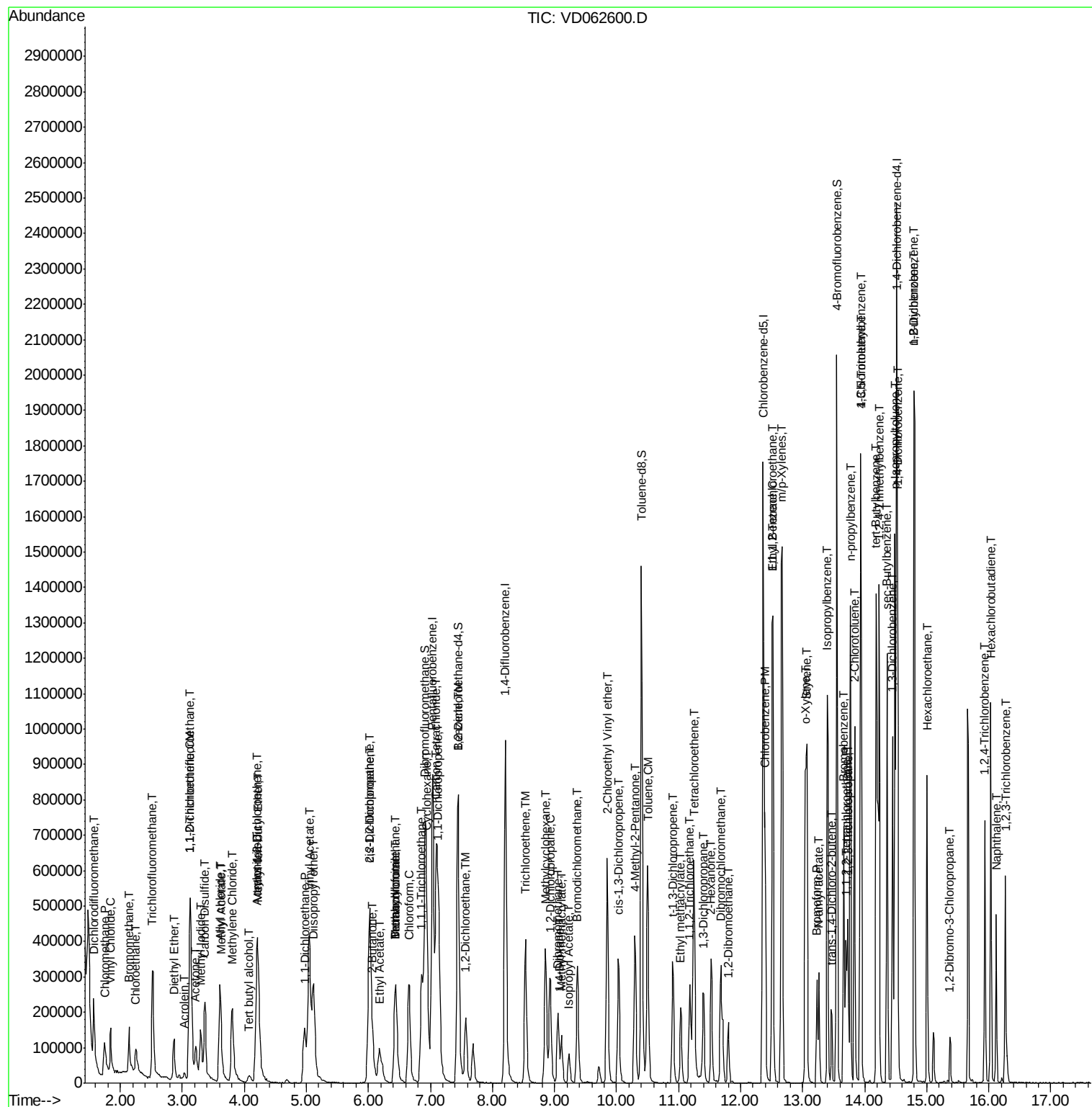
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	193033	18.032	ug/l	96
94) Hexachlorobutadiene	16.03	225	162520	20.565	ug/l	99
95) Naphthalene	16.12	128	273849	18.784	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	151420	18.936	ug/l	97

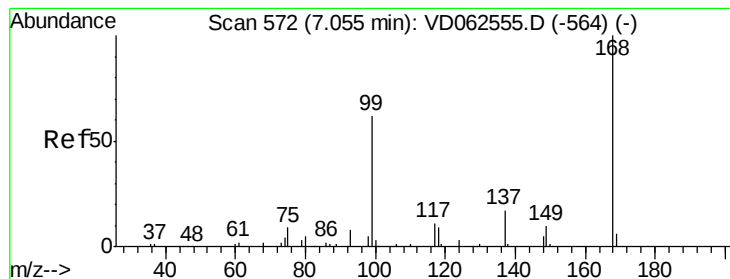
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060419\
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Instrument :
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ClientSampleId :
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Quant Time: Jun 05 03:48:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

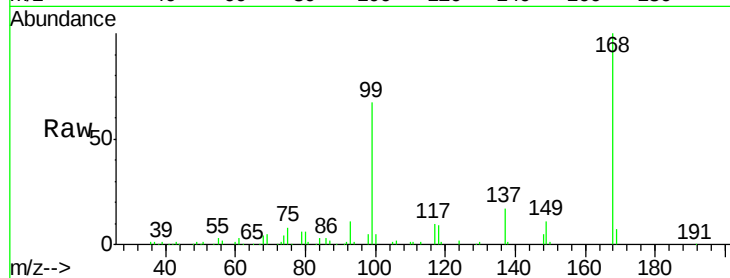
VD0604SBSD01

Tot Ion:168 Resp: 782586

Ion Ratio Lower Upper

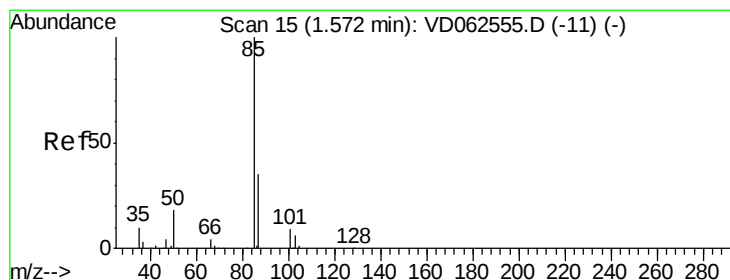
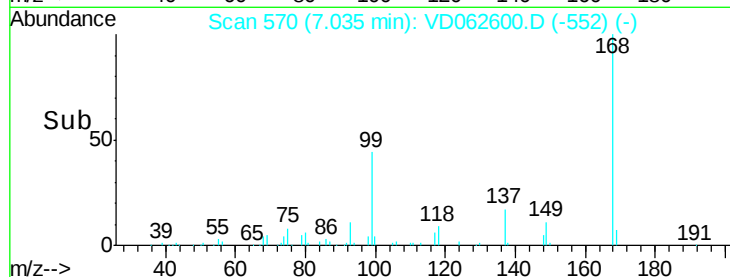
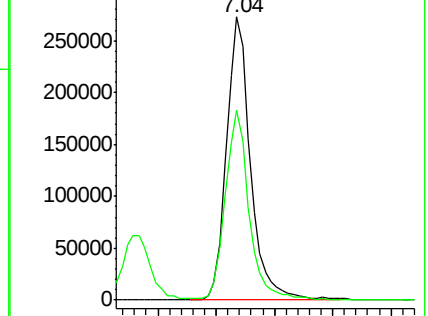
168 100

99 67.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.544 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062600.D

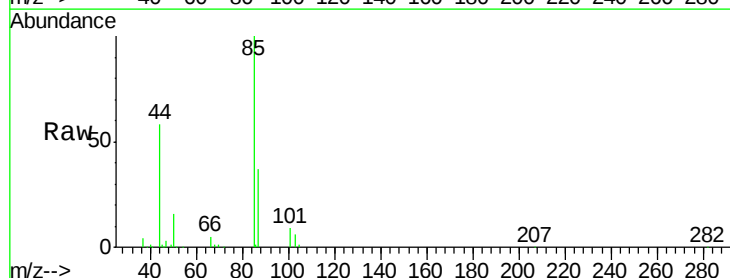
Acq: 4 Jun 2019 16:11

Tgt Ion: 85 Resp: 195549

Ion Ratio Lower Upper

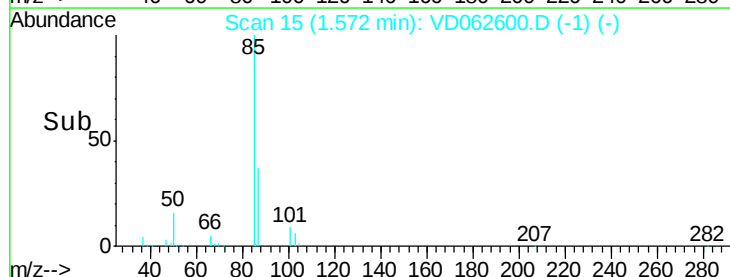
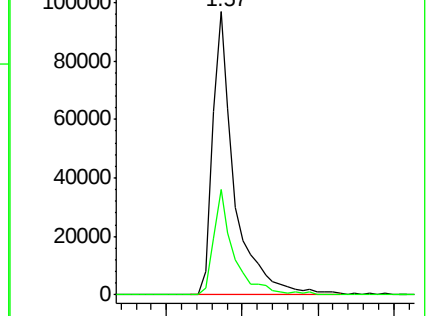
85 100

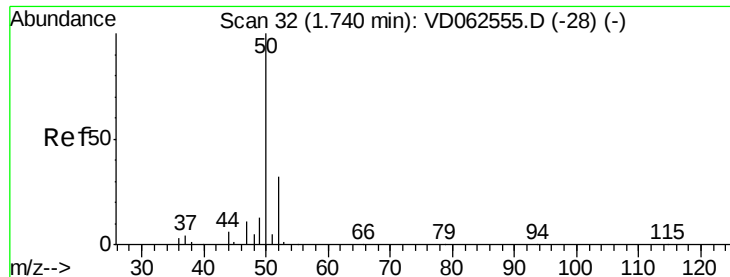
87 37.2 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 13.960 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

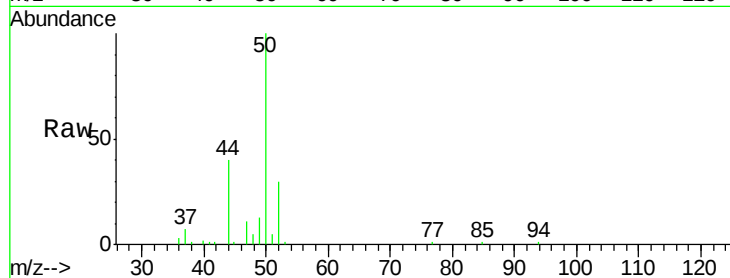
VD0604SBSD01

Tot Ion: 50 Resp: 146277

Ion Ratio Lower Upper

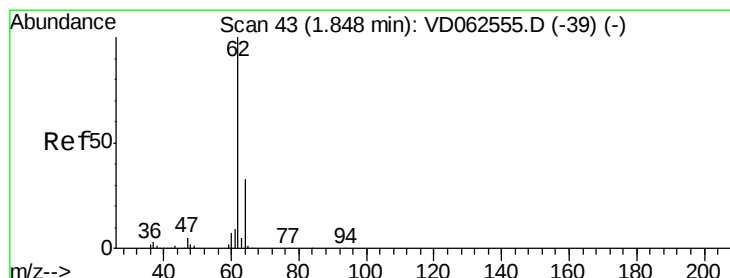
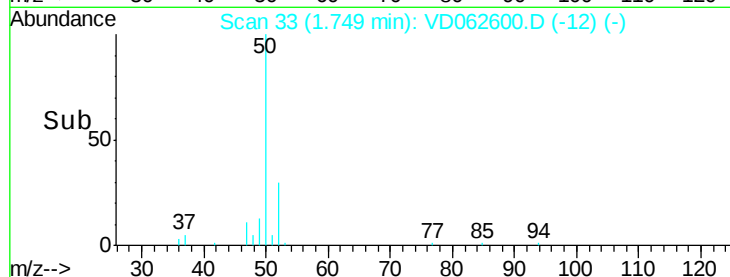
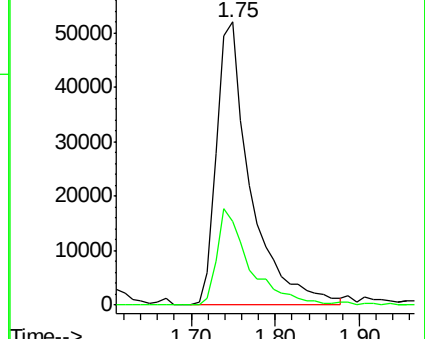
50 100

52 29.6 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.318 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062600.D

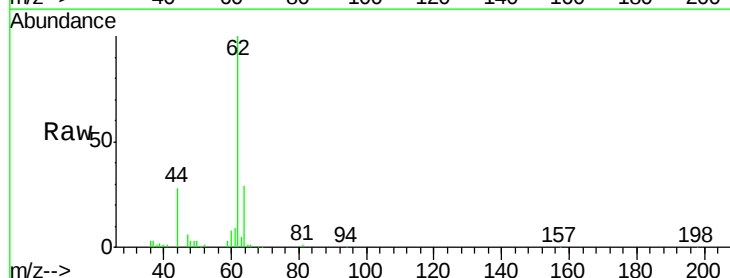
Acq: 4 Jun 2019 16:11

Tgt Ion: 62 Resp: 147802

Ion Ratio Lower Upper

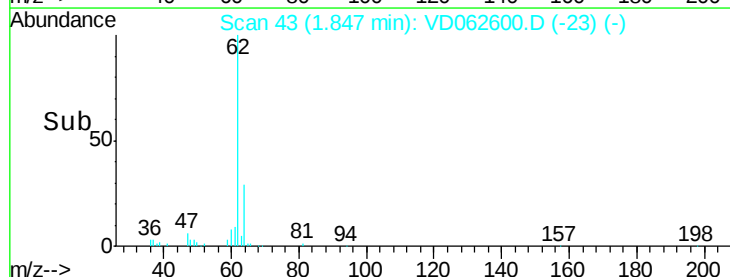
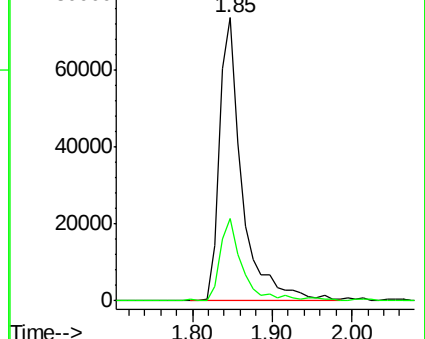
62 100

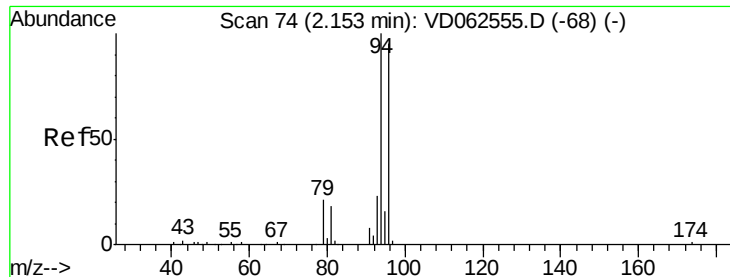
64 29.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 29.120 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

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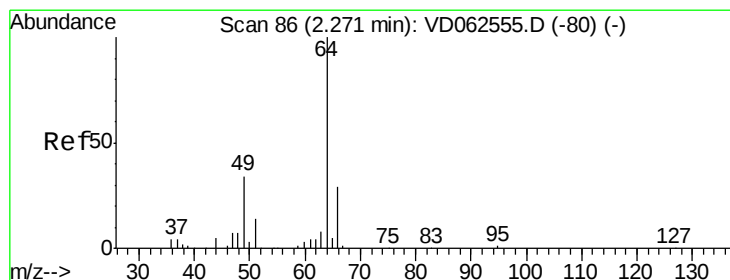
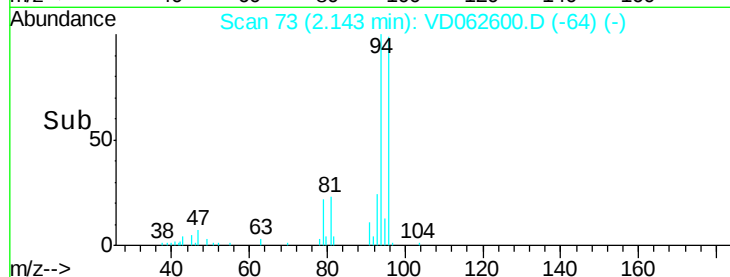
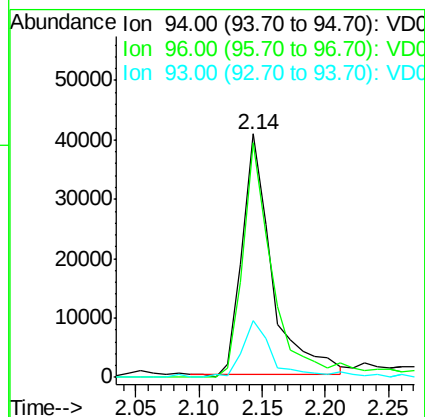
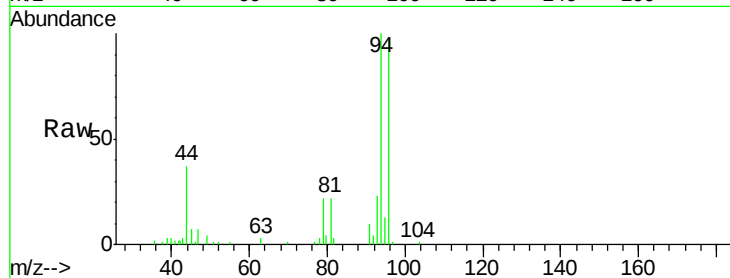
Tot Ion: 94 Resp: 65565

Ion Ratio Lower Upper

94 100

96 96.5 76.2 114.4

93 23.4 18.4 27.6



#6

Chloroethane

Concen: 19.577 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD062600.D

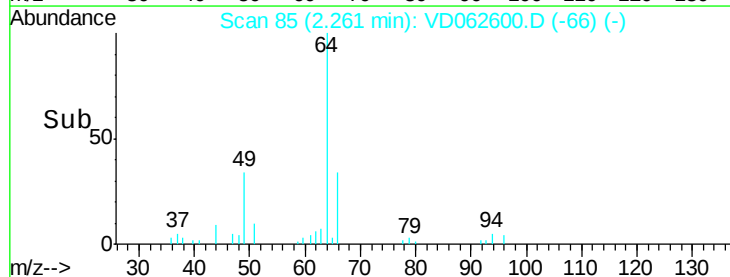
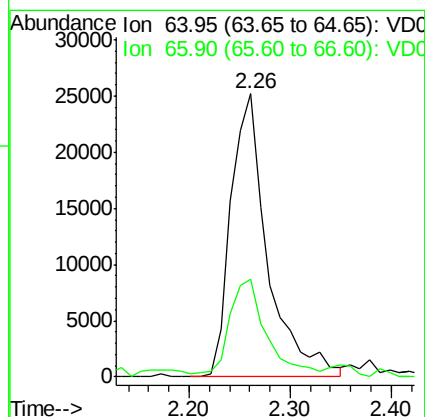
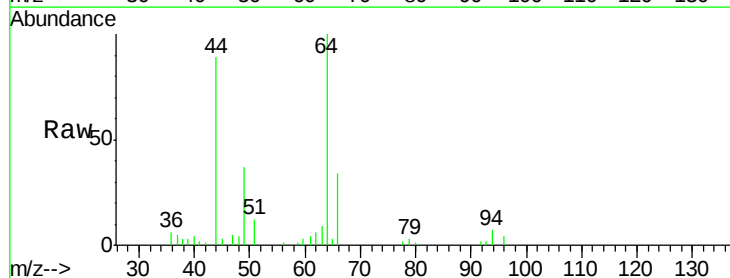
Acq: 4 Jun 2019 16:11

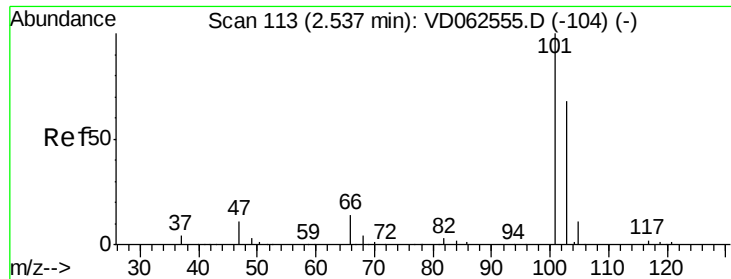
Tgt Ion: 64 Resp: 63649

Ion Ratio Lower Upper

64 100

66 34.3 23.4 35.2



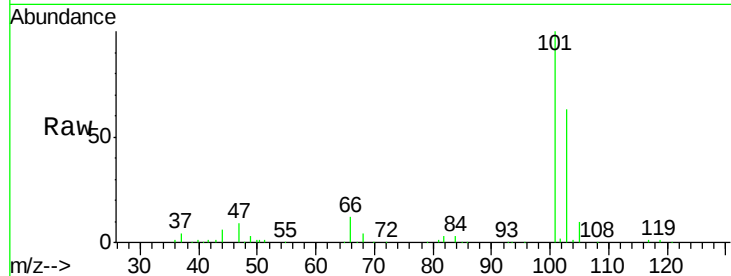


#7

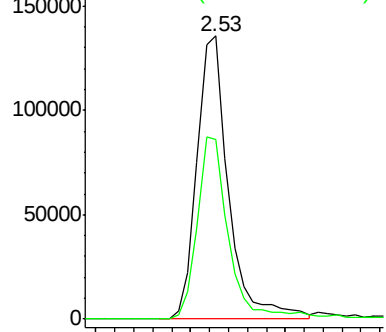
Trichlorofluoromethane
 Concen: 21.460 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

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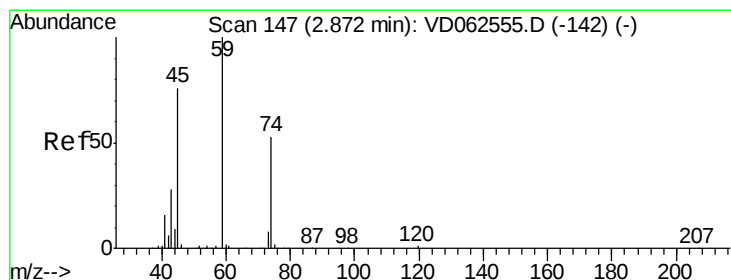
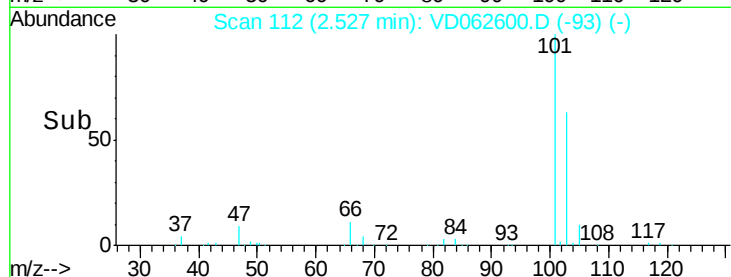
Tot Ion:101 Resp: 314434
 Ion Ratio Lower Upper
 101 100
 103 63.3 54.3 81.5



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



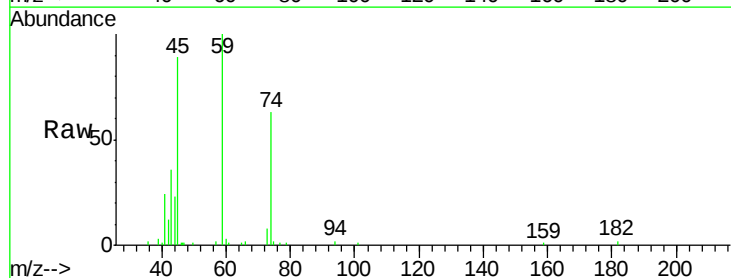
Time-->



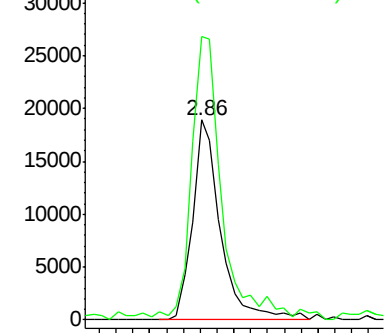
#8

Diethyl Ether
 Concen: 23.053 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

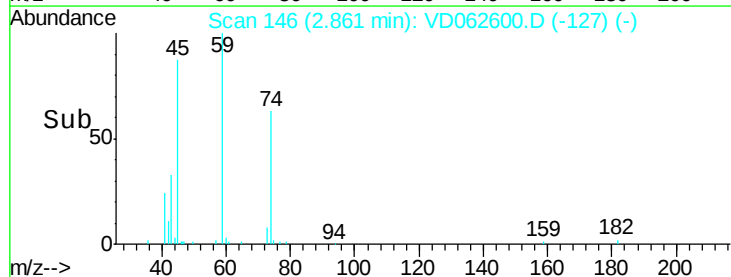
Tgt Ion: 74 Resp: 43331
 Ion Ratio Lower Upper
 74 100
 45 141.7 71.9 215.7

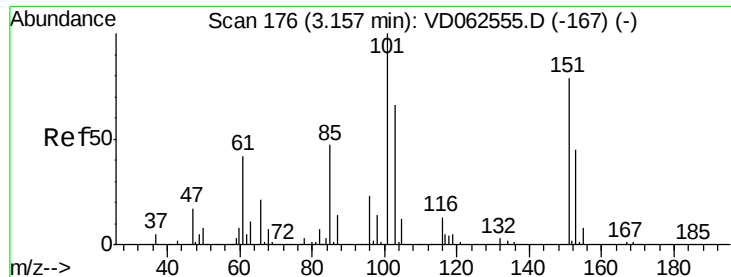


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.990 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBSD01

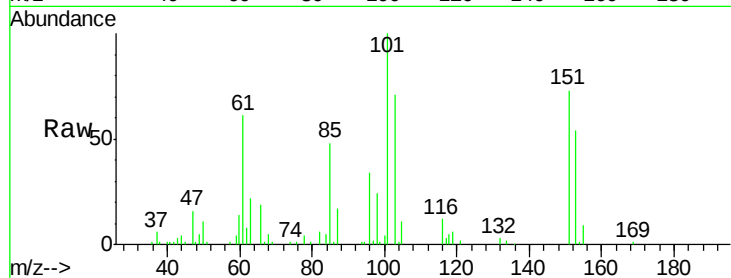
Tot Ion:101 Resp: 181616

Ion Ratio Lower Upper

101 100

85 48.2 37.6 56.4

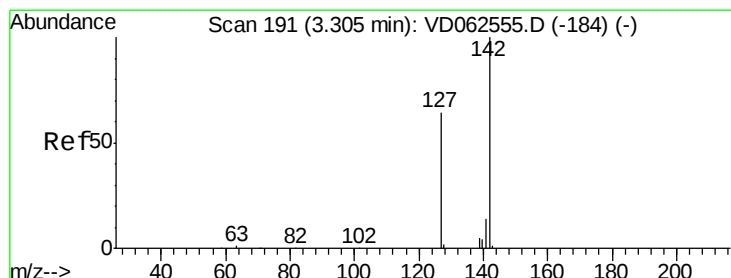
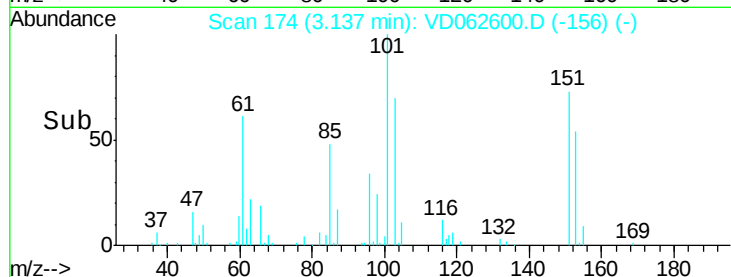
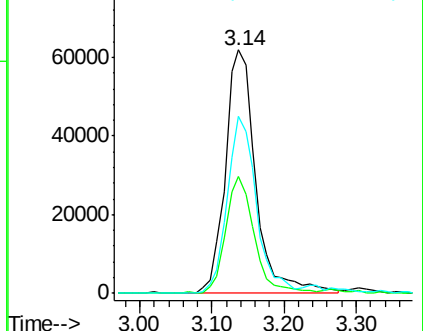
151 72.8 63.0 94.4



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: 22.568 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

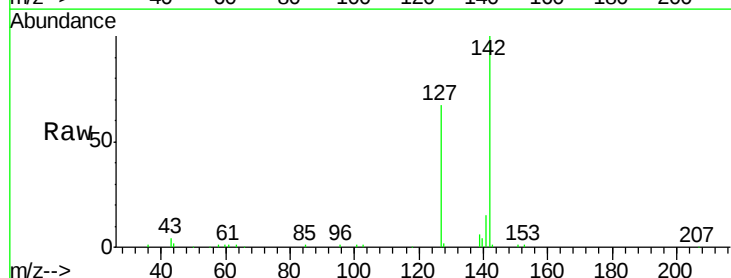
Tgt Ion:142 Resp: 221566

Ion Ratio Lower Upper

142 100

127 66.6 51.2 76.8

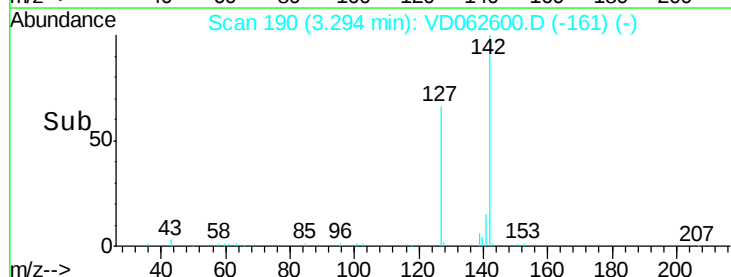
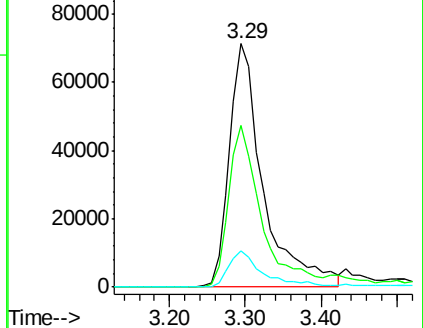
141 14.7 11.0 16.4

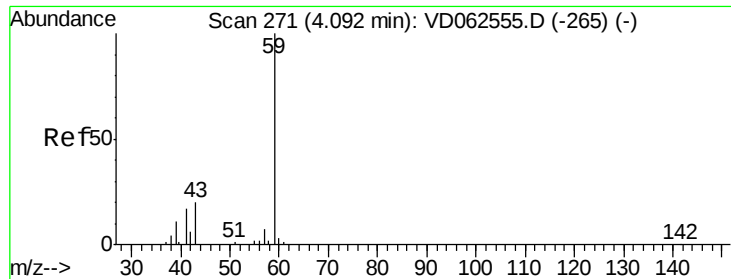


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



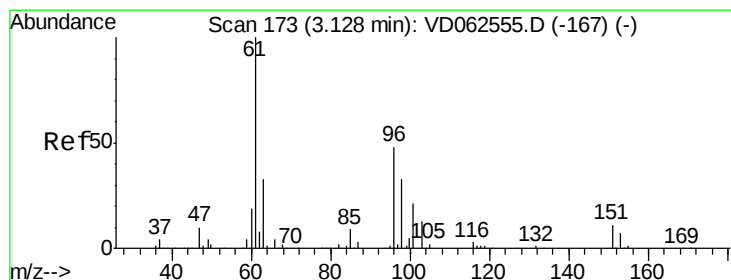
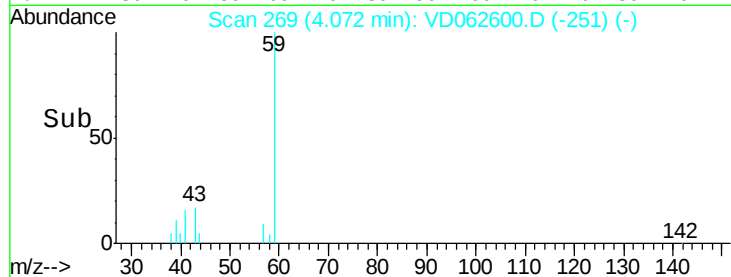
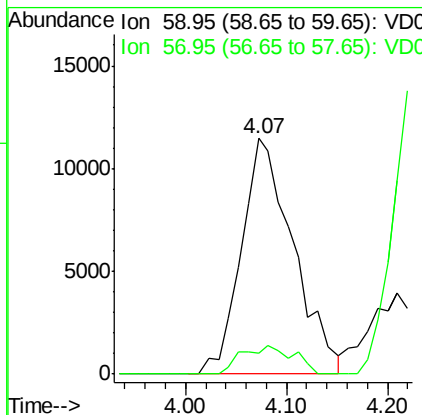
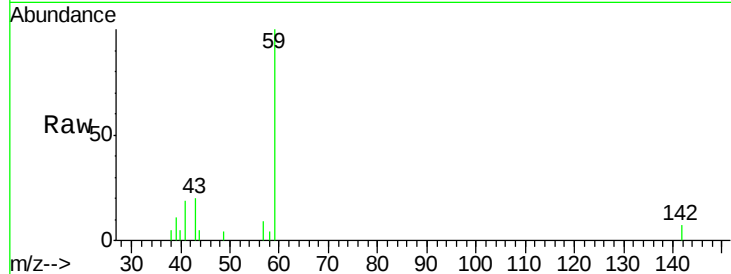


#11

Tert butyl alcohol
 Concen: 104.456 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.02 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0604SBSD01

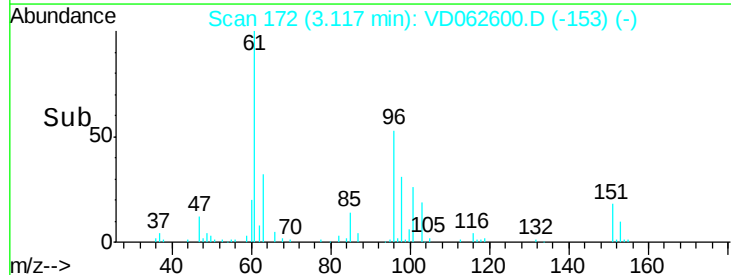
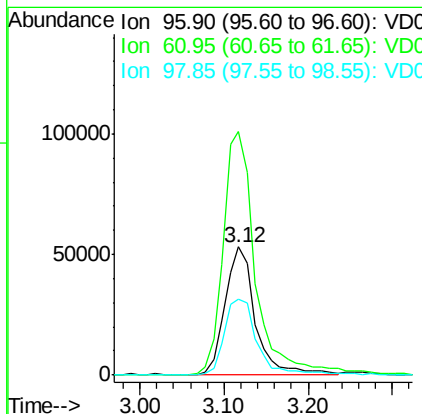
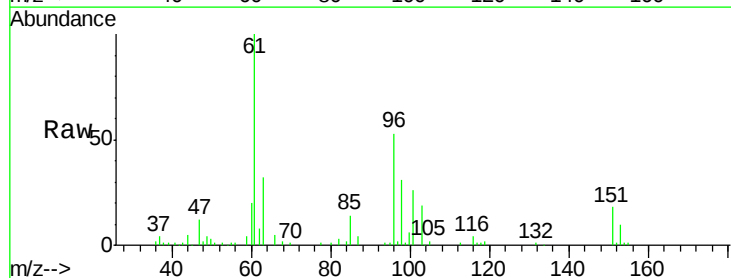
Tot Ion: 59 Resp: 40882
 Ion Ratio Lower Upper
 59 100
 57 8.9 5.4 8.0#

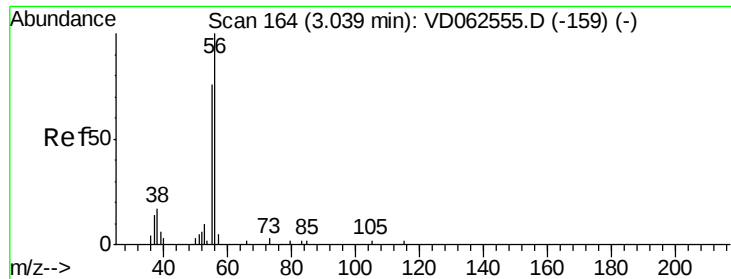


#12

1,1-Dichloroethene
 Concen: 21.765 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

Tgt Ion: 96 Resp: 133221
 Ion Ratio Lower Upper
 96 100
 61 190.5 166.6 250.0
 98 59.2 54.4 81.6





#13

Acrolein

Concen: 97.735 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

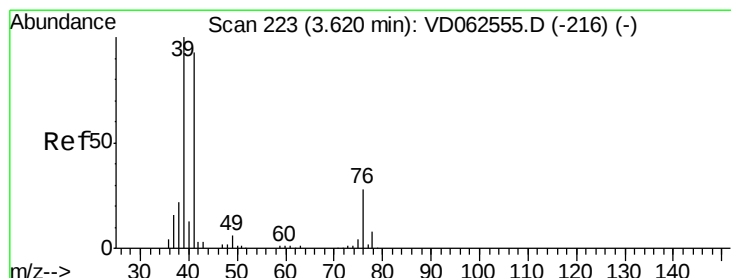
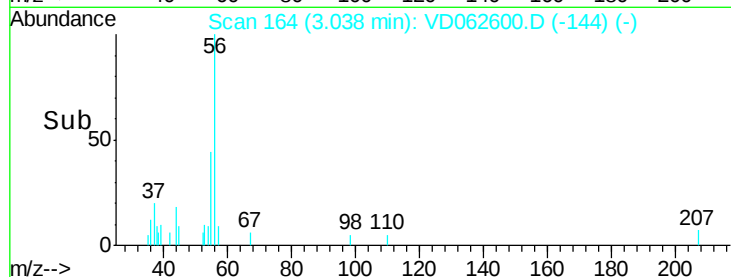
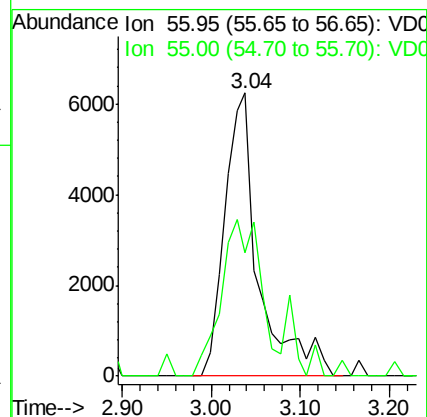
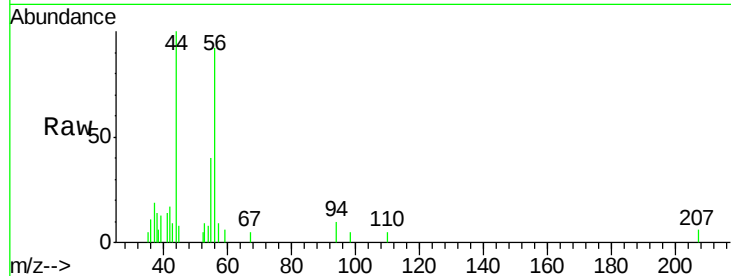
VD0604SBSD01

Tot Ion: 56 Resp: 16667

Ion Ratio Lower Upper

56 100

55 43.7 62.6 93.8#



#14

Allyl chloride

Concen: 21.216 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

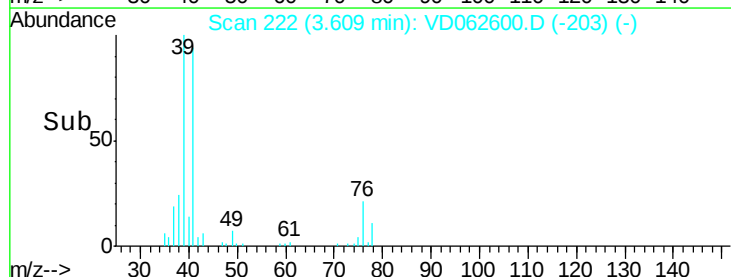
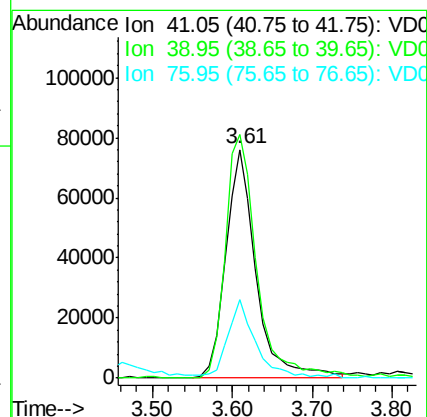
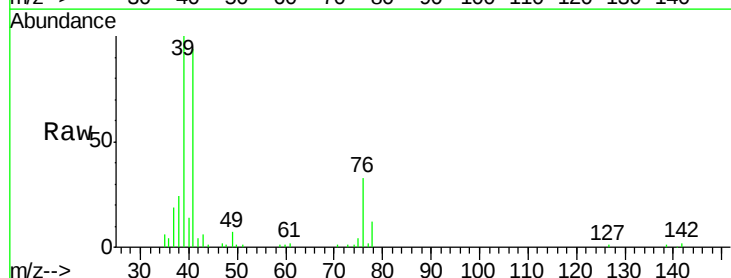
Tgt Ion: 41 Resp: 202854

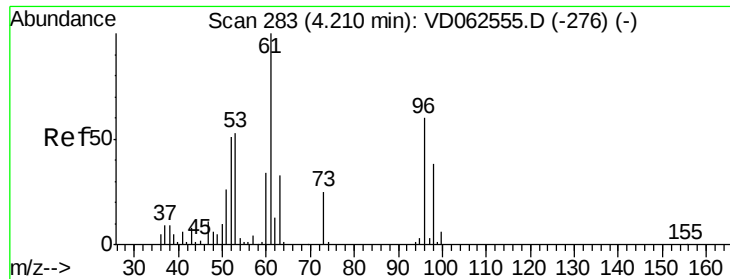
Ion Ratio Lower Upper

41 100

39 106.6 86.3 129.5

76 34.6 25.5 38.3





#15

Acrylonitrile

Concen: 104.730 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBSD01

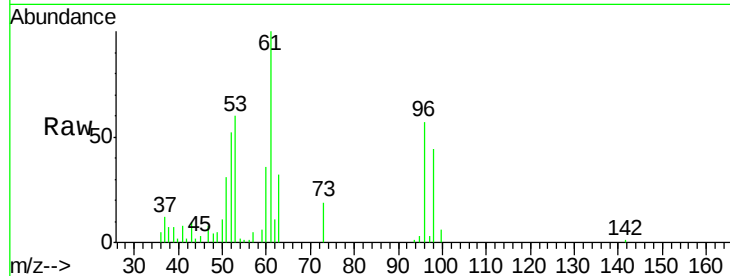
Tot Ion: 53 Resp: 97987

Ion Ratio Lower Upper

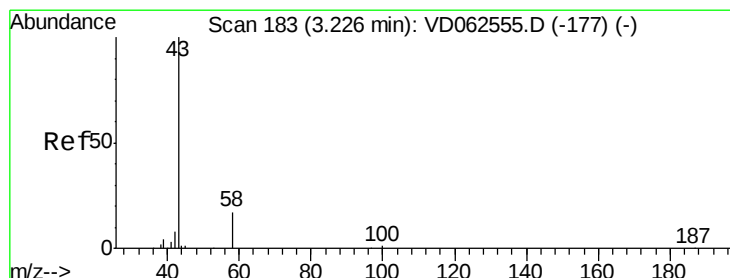
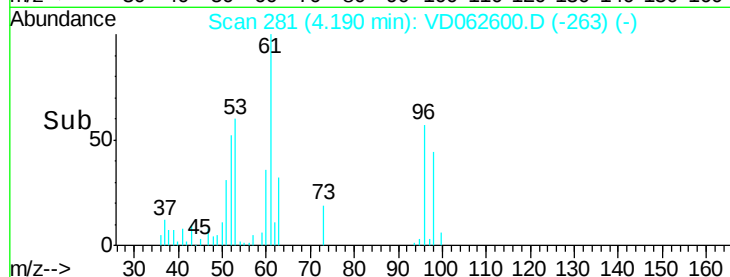
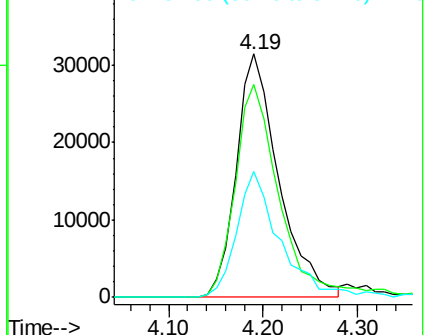
53 100

52 87.6 76.2 114.2

51 51.8 40.2 60.4



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: 93.867 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062600.D

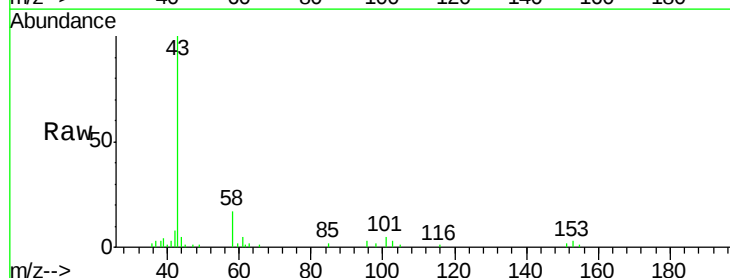
Acq: 4 Jun 2019 16:11

Tgt Ion: 43 Resp: 169234

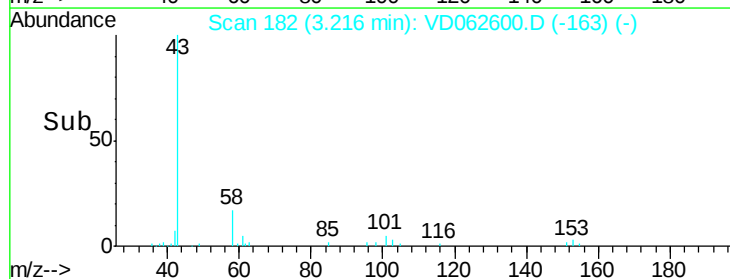
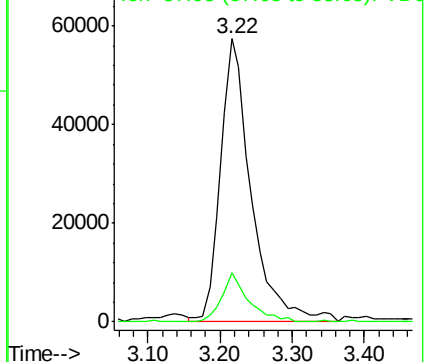
Ion Ratio Lower Upper

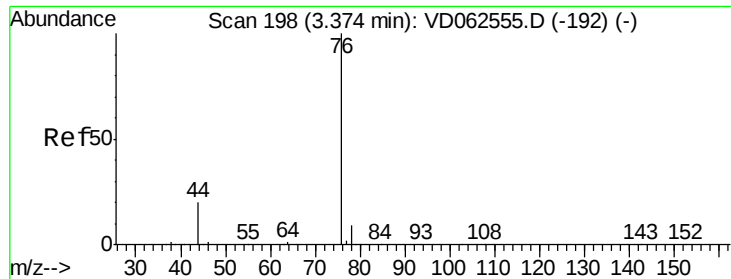
43 100

58 17.2 13.8 20.8



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

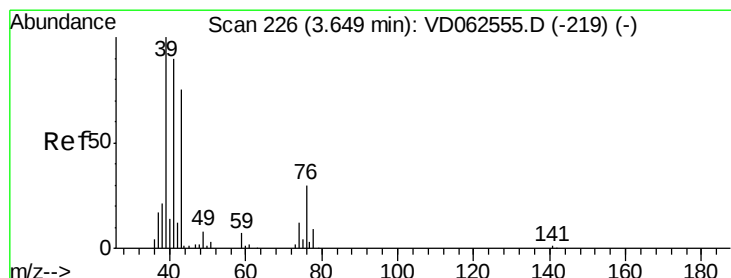
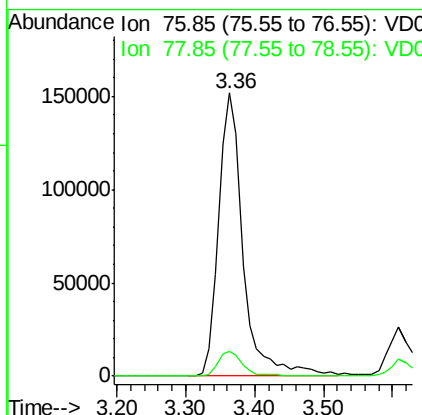
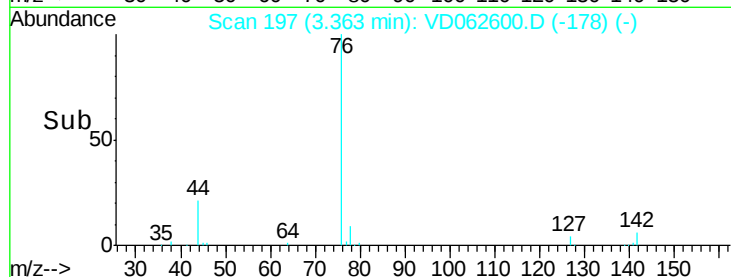
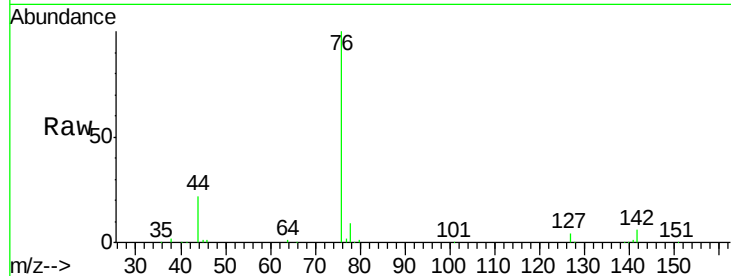




#17
Carbon Disulfide
Concen: 18.853 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

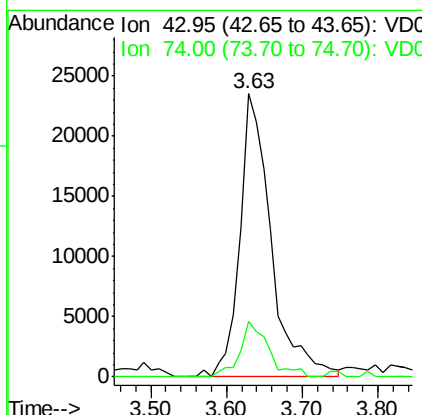
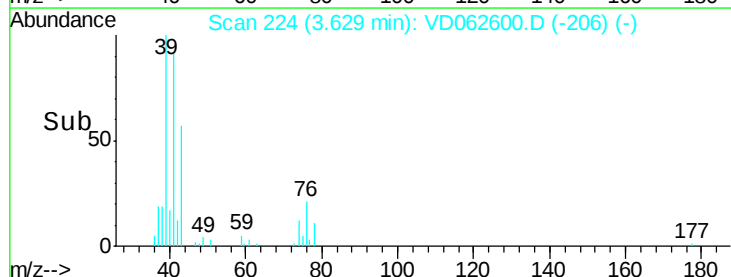
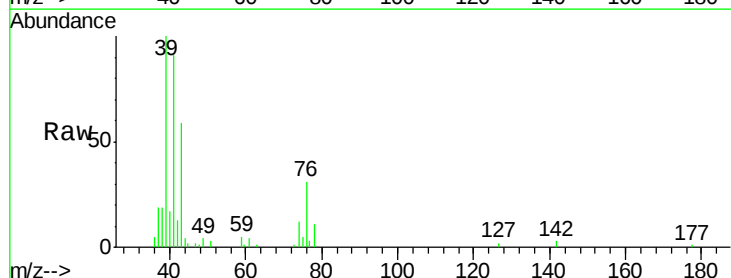
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

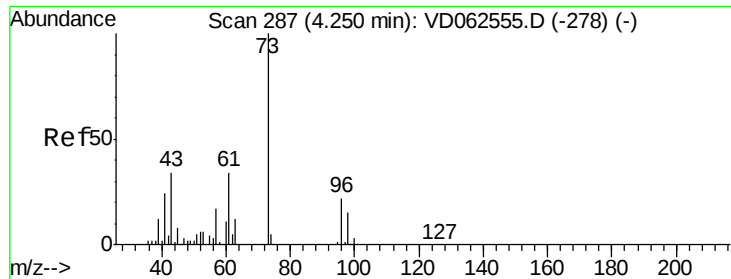
Tot Ion: 76 Resp: 375115
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#18
Methyl Acetate
Concen: 22.935 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion: 43 Resp: 67490
Ion Ratio Lower Upper
43 100
74 19.7 12.5 18.7#

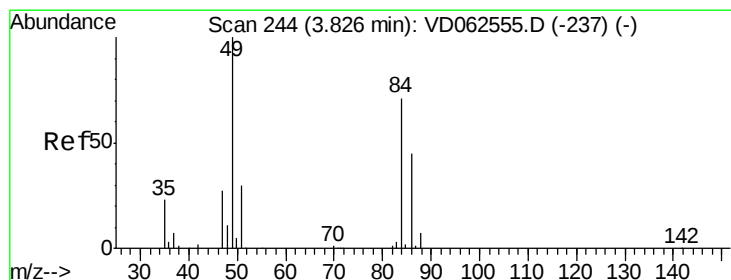
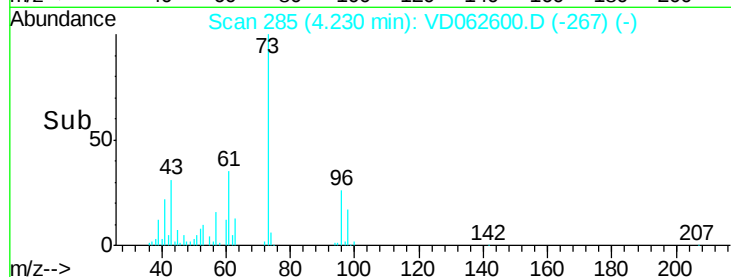
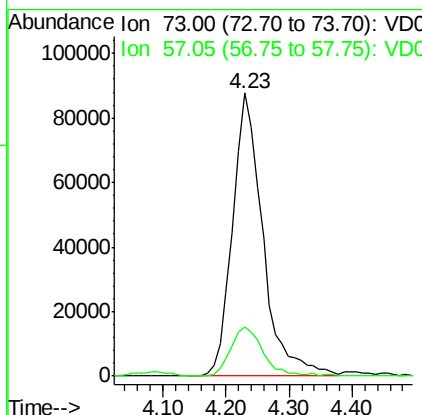
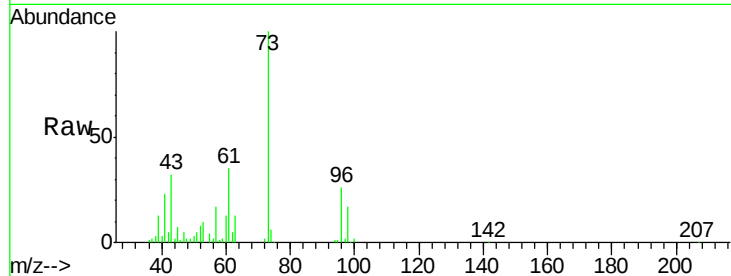




#19
Methyl tert-butyl Ether
Concen: 19.706 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

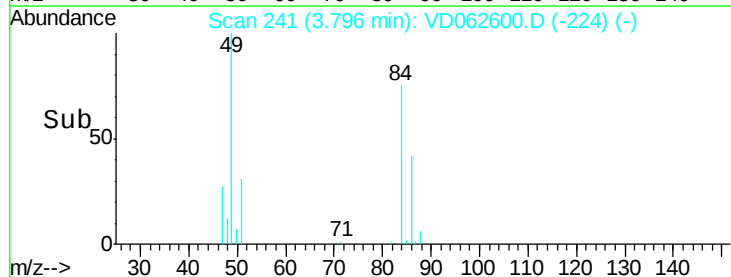
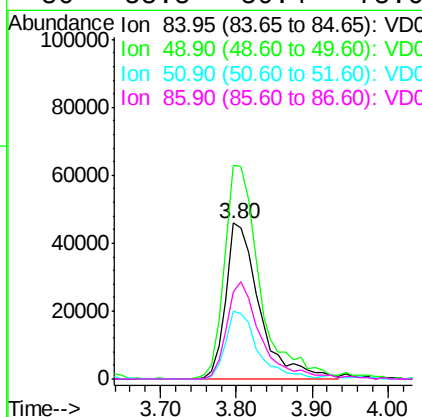
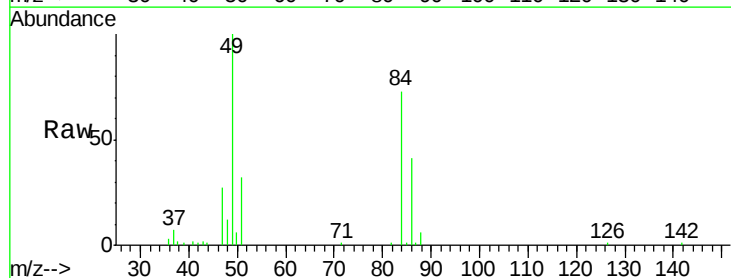
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

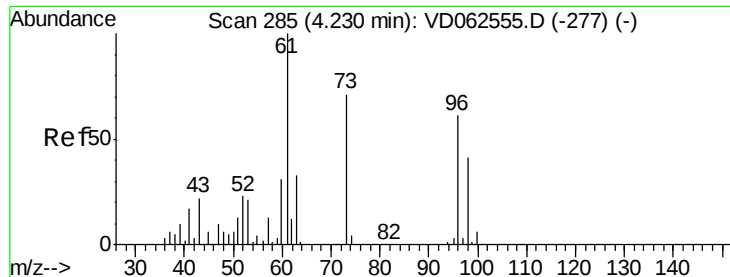
Tot Ion: 73 Resp: 292193
Ion Ratio Lower Upper
73 100
57 17.3 13.8 20.8



#20
Methylene Chloride
Concen: 21.194 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion: 84 Resp: 141449
Ion Ratio Lower Upper
84 100
49 137.0 112.3 168.5
51 43.3 33.6 50.4
86 55.5 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.513 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBSD01

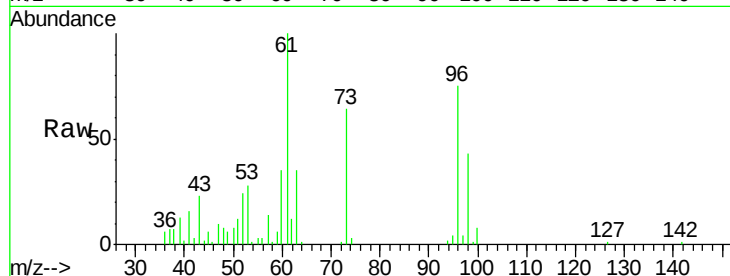
Tot Ion: 96 Resp: 142485

Ion Ratio Lower Upper

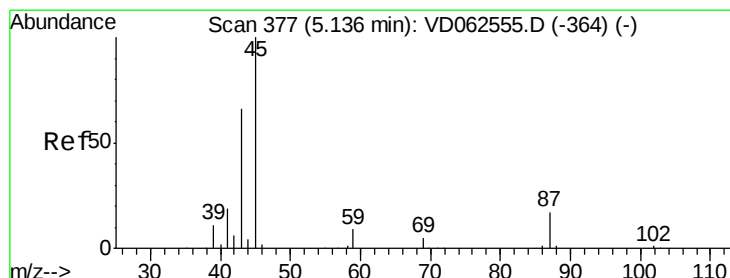
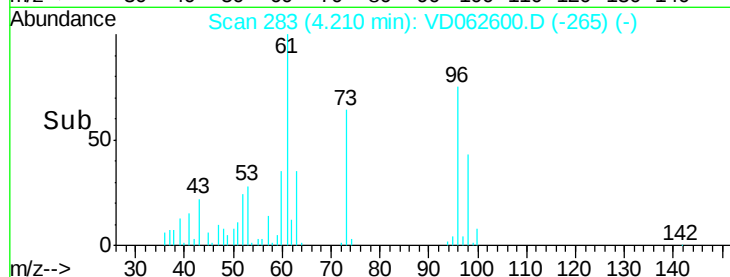
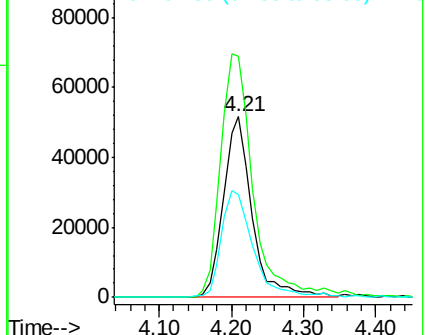
96 100

61 133.1 131.1 196.7

98 56.9 54.2 81.4



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: 21.227 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Tgt Ion: 45 Resp: 414632

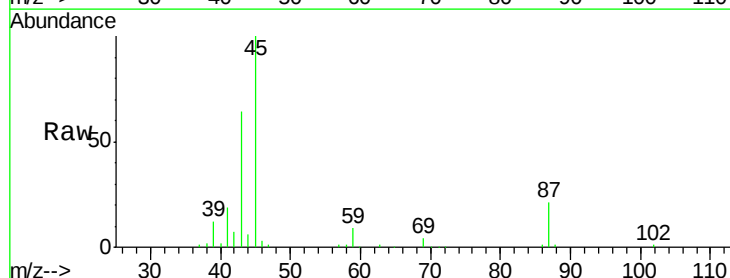
Ion Ratio Lower Upper

45 100

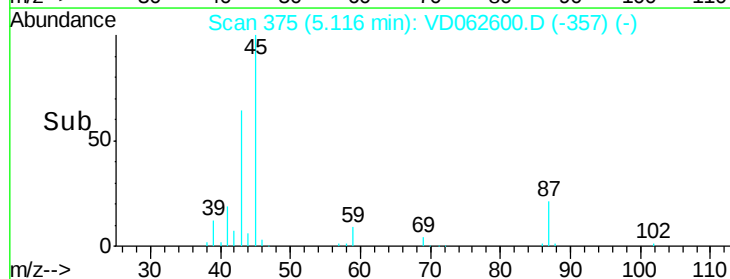
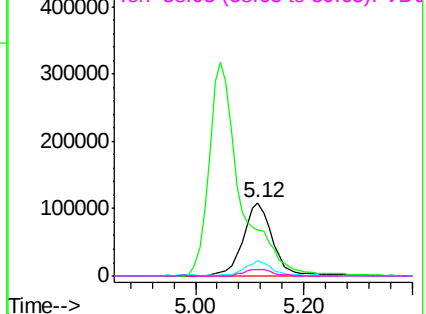
43 63.5 53.6 80.4

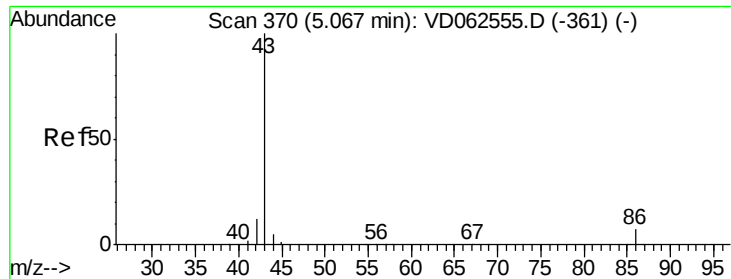
87 21.3 14.2 21.4

59 9.0 7.3 10.9



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





#23

Vinyl Acetate

Concen: 106.006 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

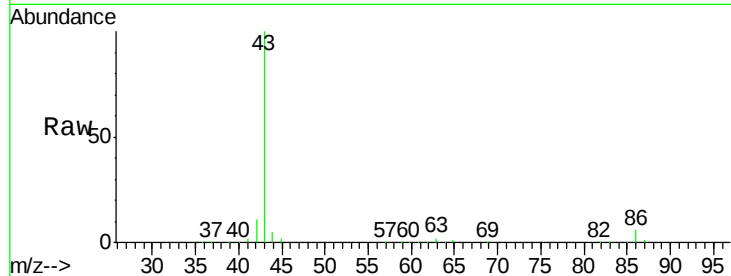
VD0604SBSD01

Tot Ion: 43 Resp: 1255691

Ion Ratio Lower Upper

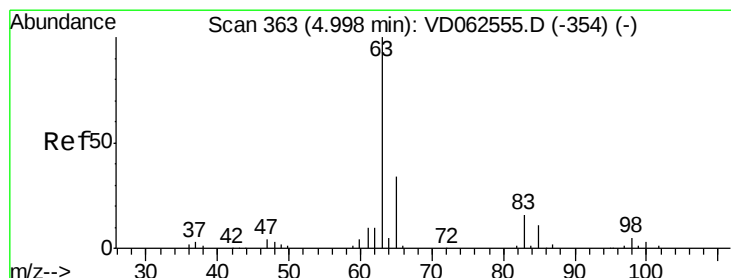
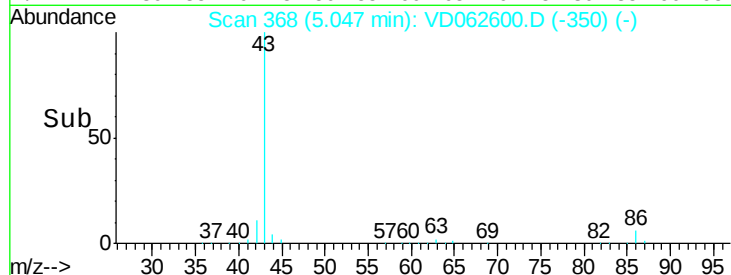
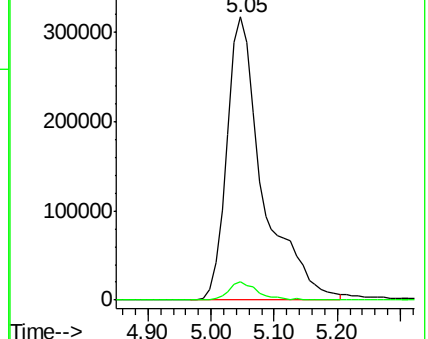
43 100

86 6.5 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.428 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

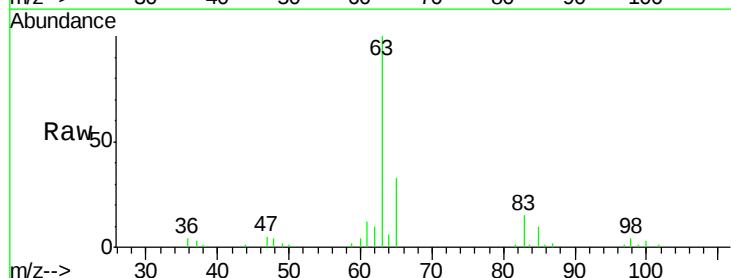
Tgt Ion: 63 Resp: 257491

Ion Ratio Lower Upper

63 100

98 4.2 2.5 7.5

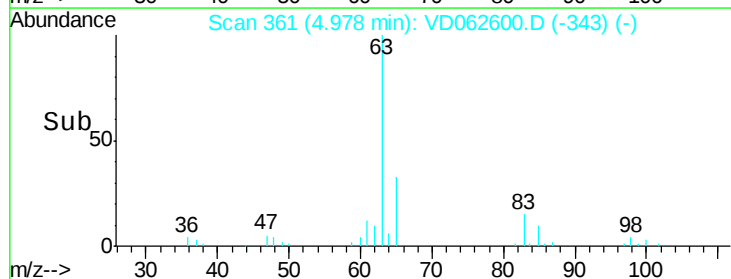
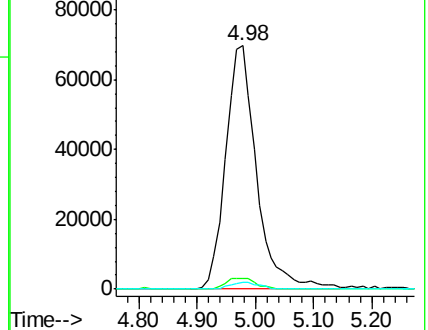
100 2.6 1.6 4.7

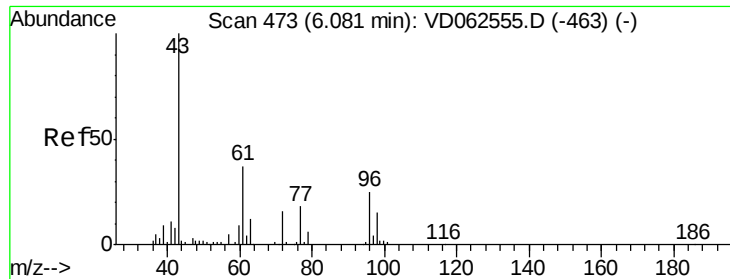


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 97.192 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

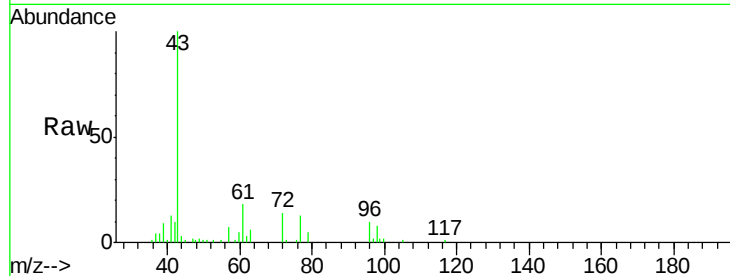
VD0604SBSD01

Tot Ion: 43 Resp: 165029

Ion Ratio Lower Upper

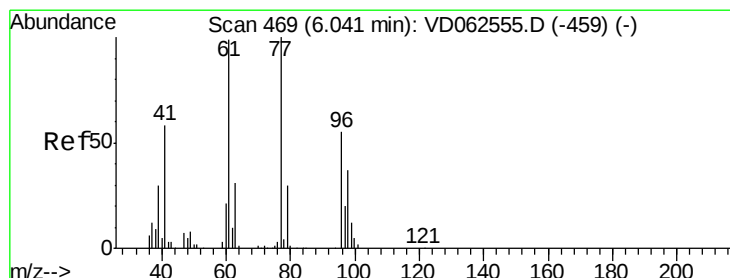
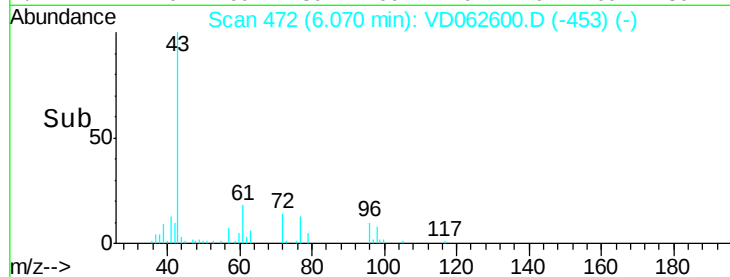
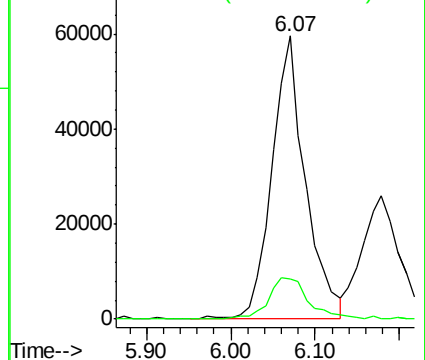
43 100

72 14.1 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.128 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD062600.D

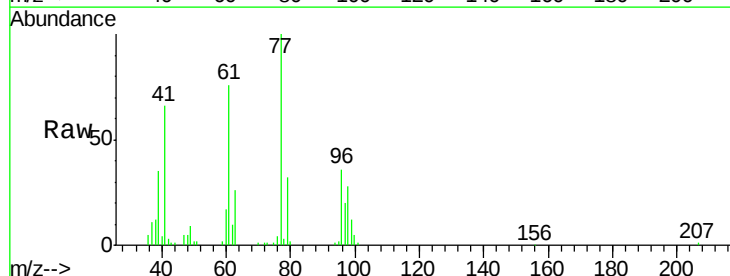
Acq: 4 Jun 2019 16:11

Tgt Ion: 77 Resp: 295449

Ion Ratio Lower Upper

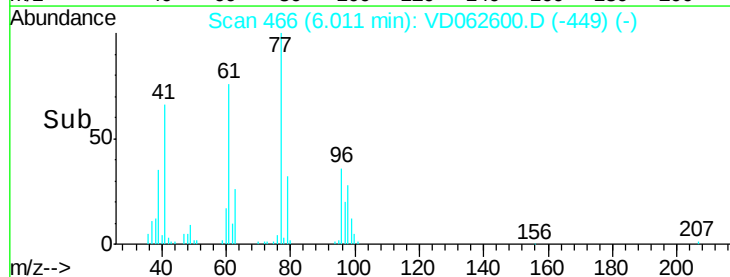
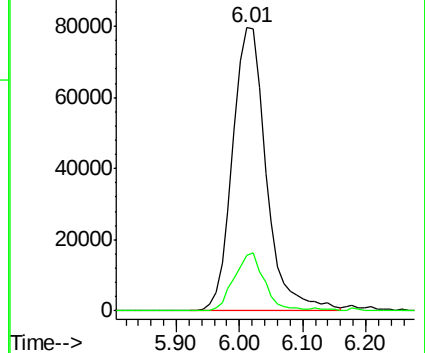
77 100

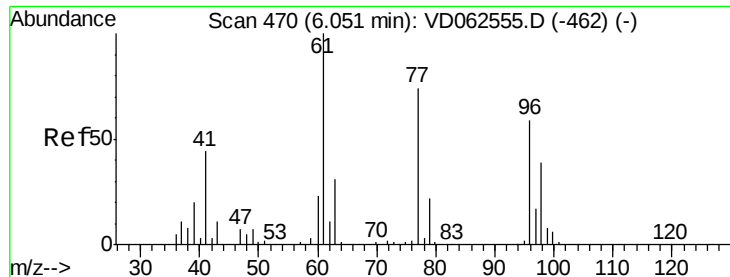
97 19.8 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



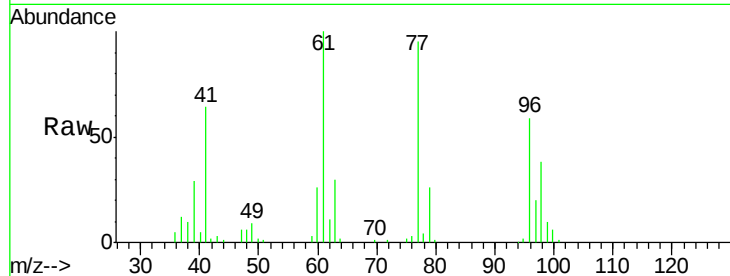


#27

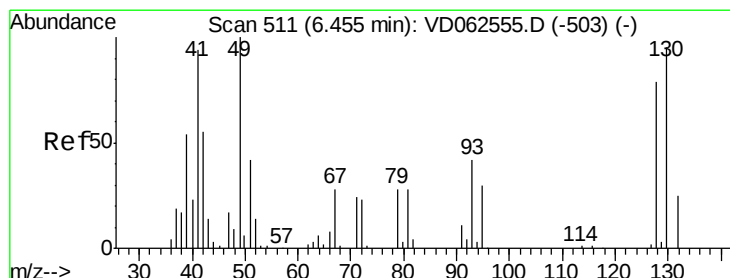
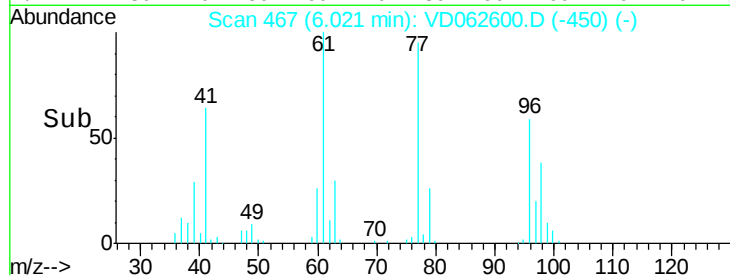
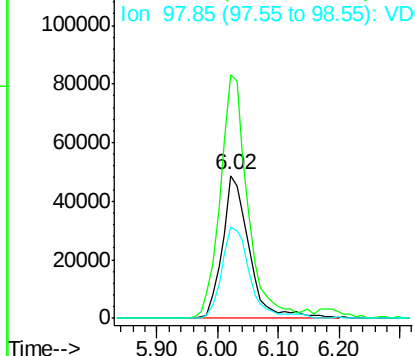
cis-1,2-Dichloroethene
Concen: 20.883 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

Tot Ion: 96 Resp: 149107
Ion Ratio Lower Upper
96 100
61 170.8 0.0 342.4
98 64.3 0.0 134.6



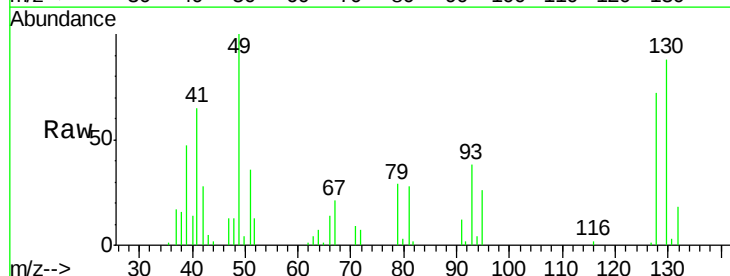
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



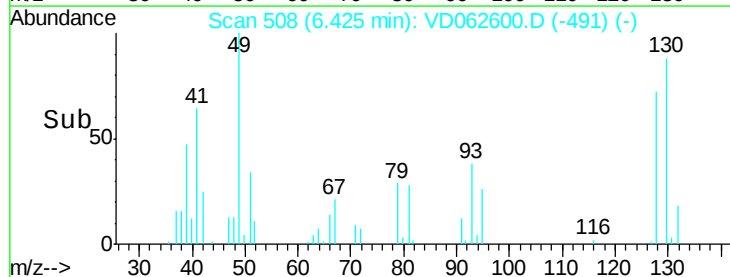
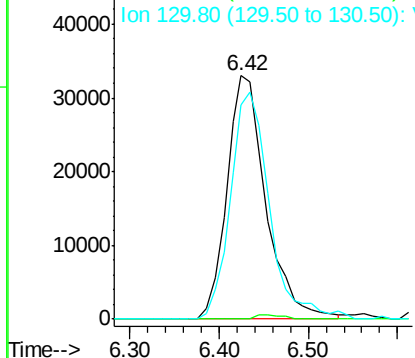
#28

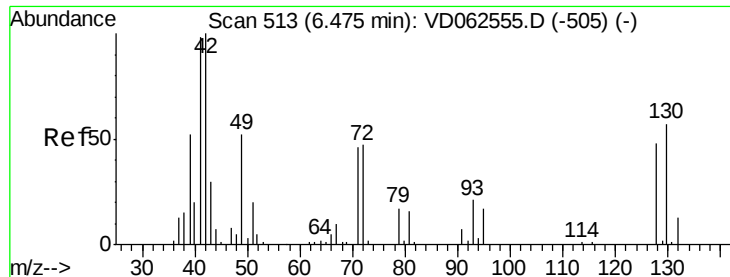
Bromochloromethane
Concen: 23.118 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion: 49 Resp: 100695
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 87.9 75.8 113.8



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

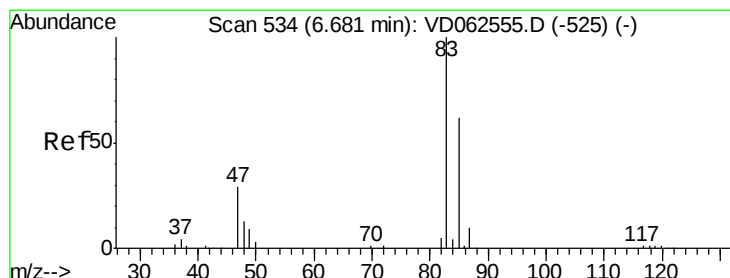
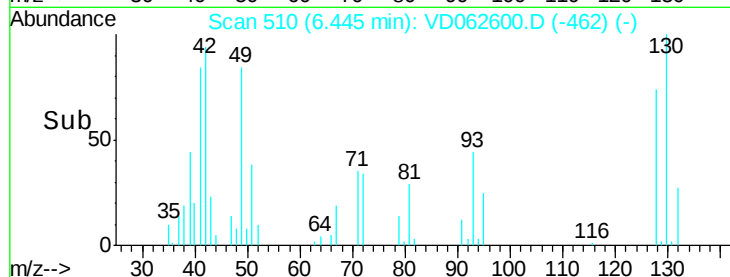
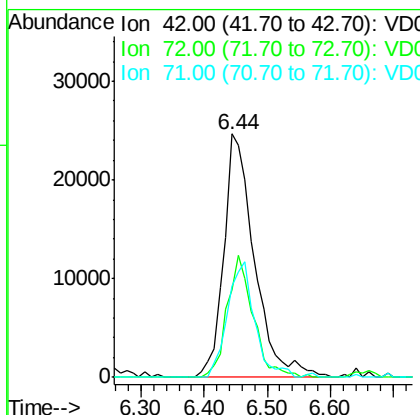
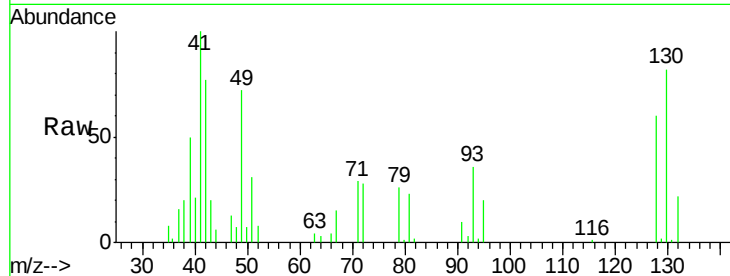




#29
Tetrahydrofuran
Concen: 109.243 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.03 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

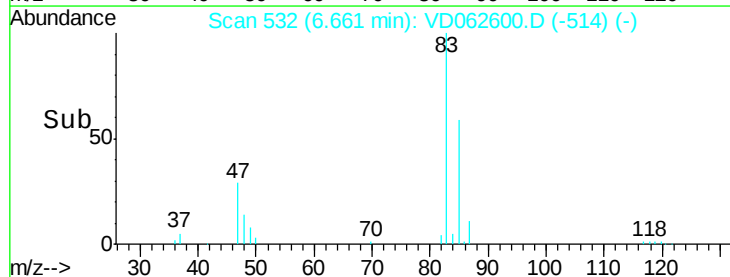
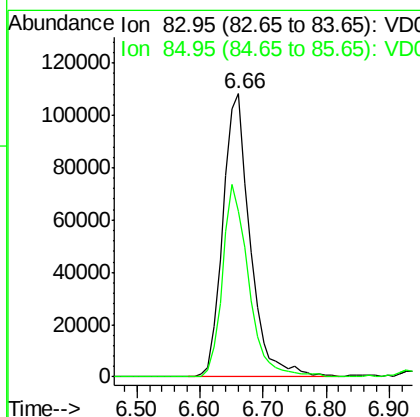
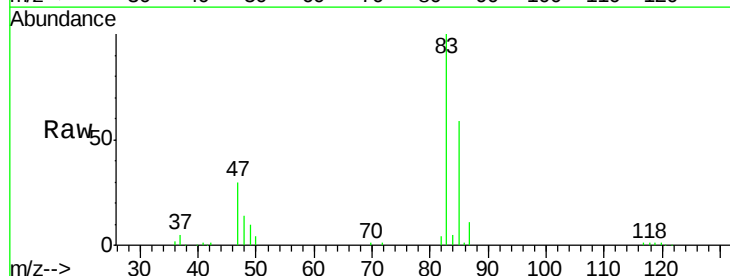
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

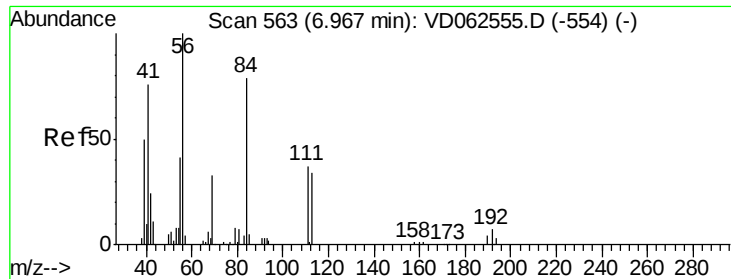
Tot Ion: 42 Resp: 83091
Ion Ratio Lower Upper
42 100
72 42.2 34.5 51.7
71 41.7 33.0 49.6



#30
Chloroform
Concen: 21.401 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion: 83 Resp: 325059
Ion Ratio Lower Upper
83 100
85 58.5 49.4 74.0

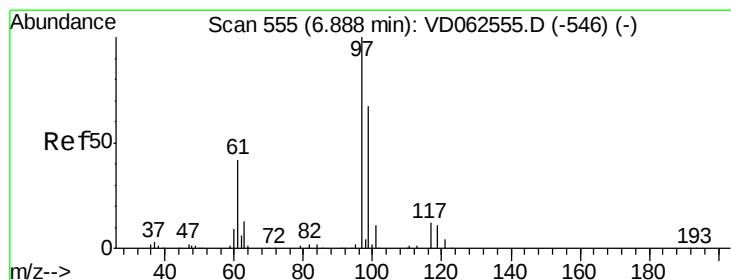
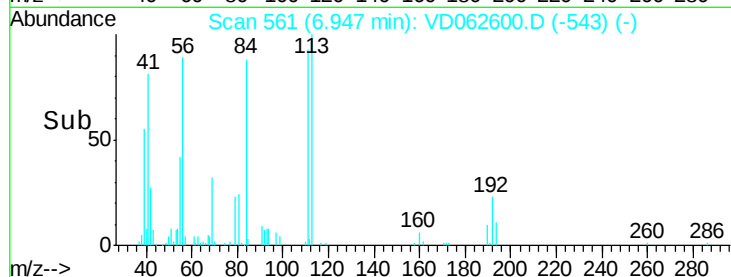
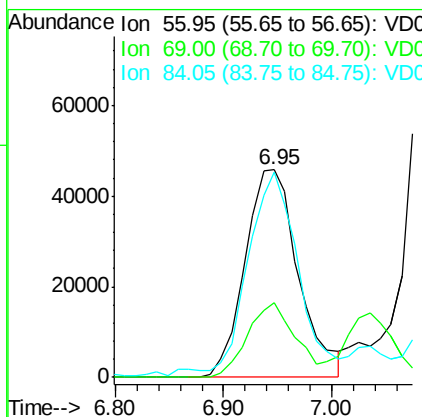
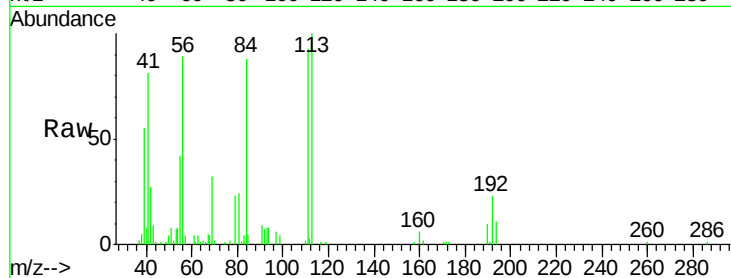




#31
Cyclohexane
Concen: 18.485 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

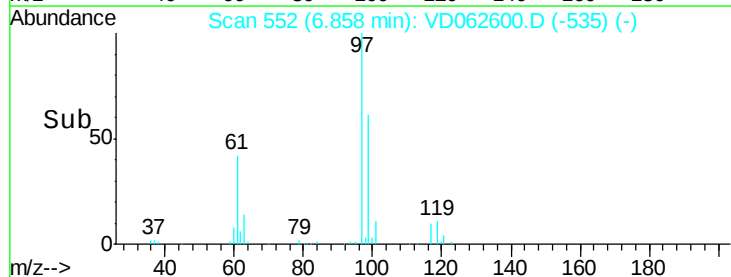
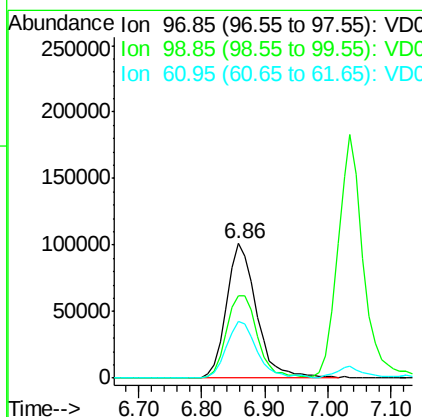
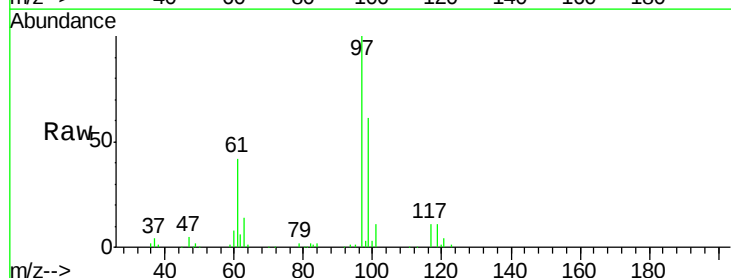
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

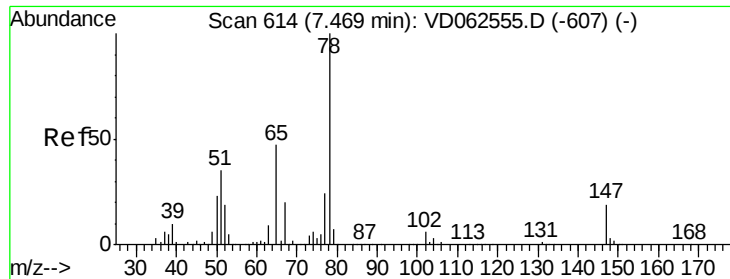
Tot Ion: 56 Resp: 157535
Ion Ratio Lower Upper
56 100
69 36.1 26.2 39.2
84 98.7 65.2 97.8#



#32
1,1,1-Trichloroethane
Concen: 21.037 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.03 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion: 97 Resp: 332538
Ion Ratio Lower Upper
97 100
99 61.4 53.6 80.4
61 41.7 33.9 50.9

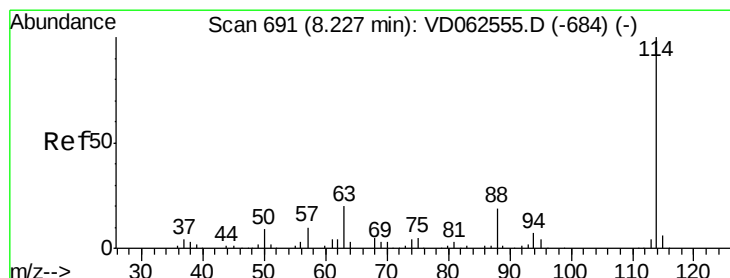
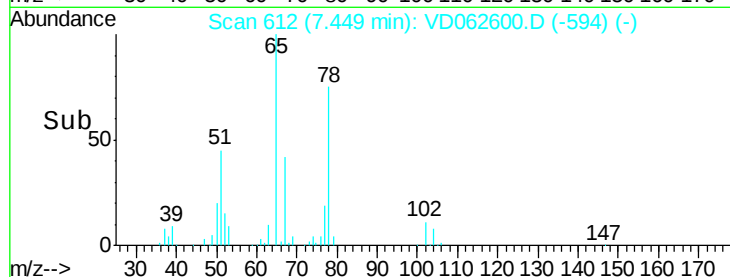
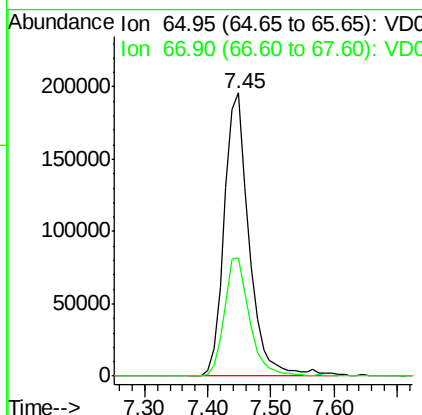
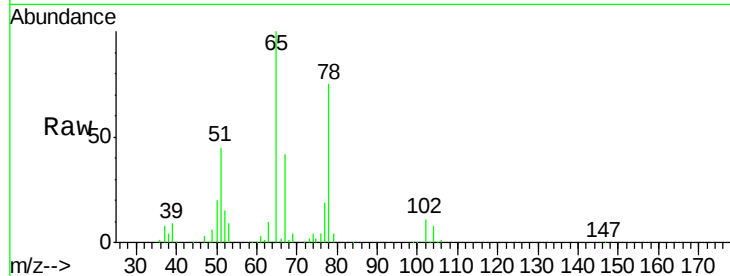




#33
 1,2-Dichloroethane-d4
 Concen: 58.557 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

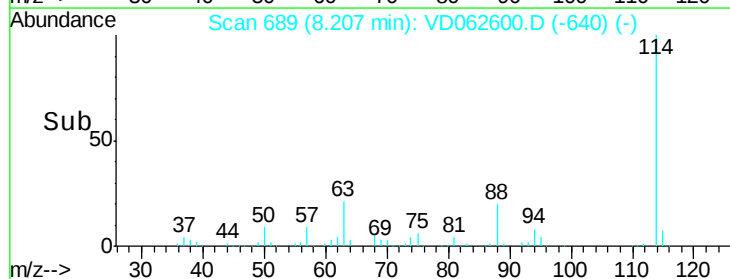
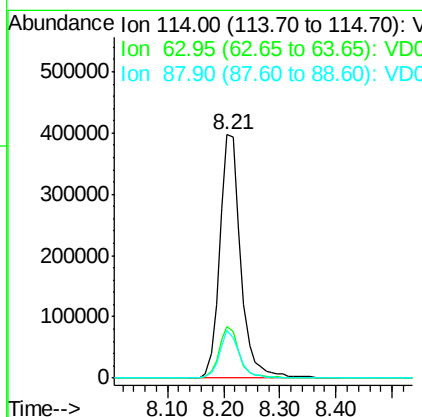
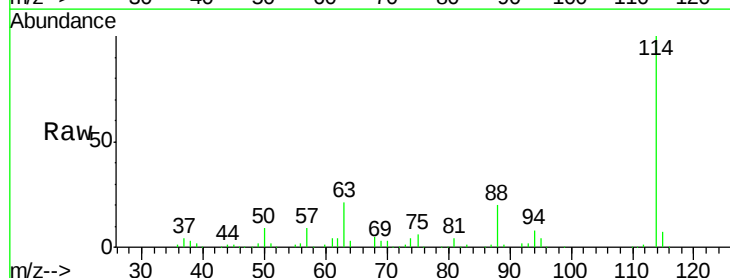
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0604SBSD01

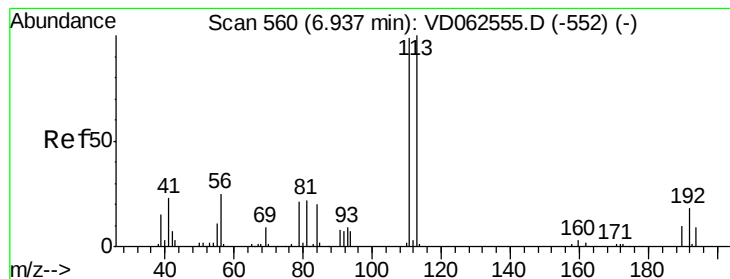
Tot Ion: 65 Resp: 537319
 Ion Ratio Lower Upper
 65 100
 67 41.6 0.0 83.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

Tgt Ion: 114 Resp: 1034105
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.6
 88 19.6 0.0 37.6





#35

Dibromofluoromethane

Concen: 58.539 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBSD01

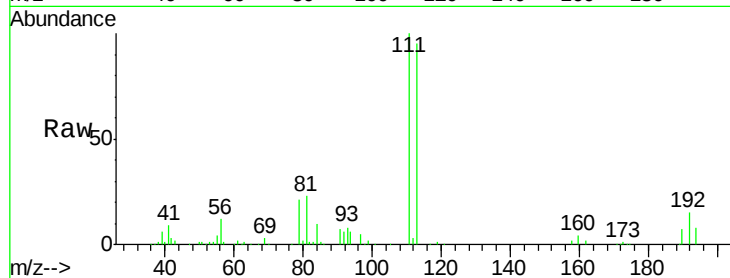
Tot Ion:113 Resp: 551638

Ion Ratio Lower Upper

113 100

111 105.2 78.8 118.2

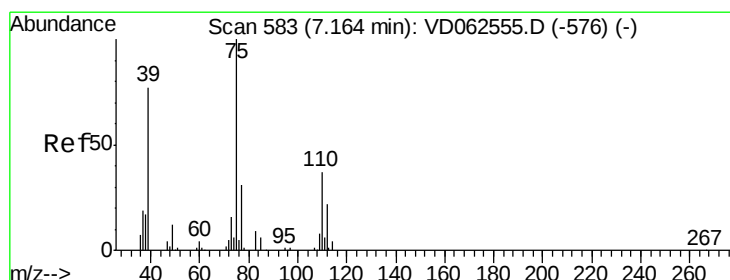
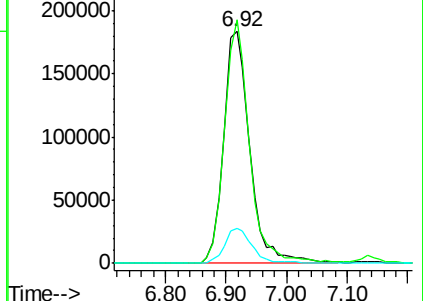
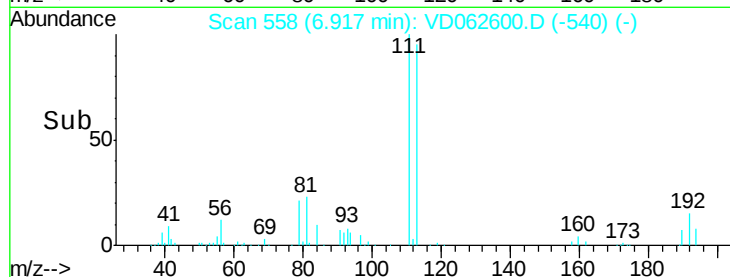
192 15.3 14.6 22.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.603 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

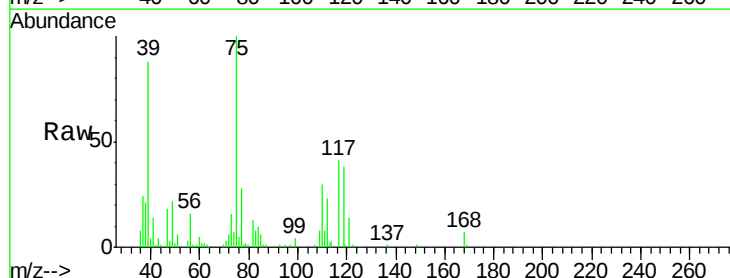
Tgt Ion: 75 Resp: 212092

Ion Ratio Lower Upper

75 100

110 30.0 18.3 54.8

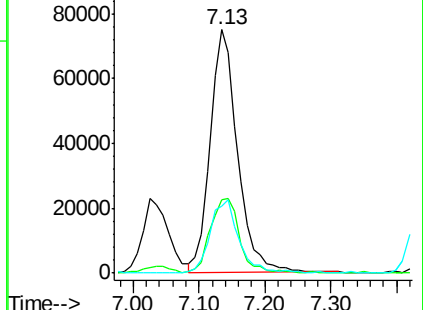
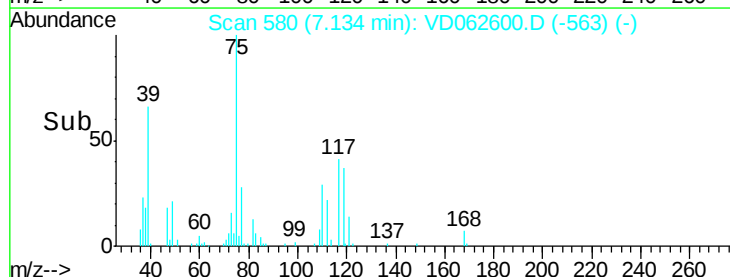
77 27.7 24.4 36.6

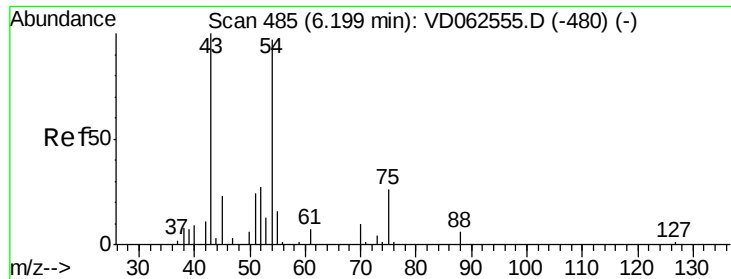


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

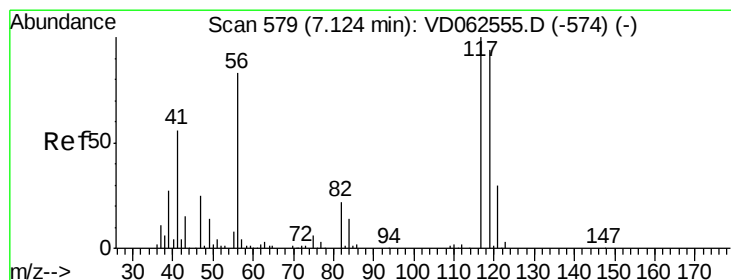
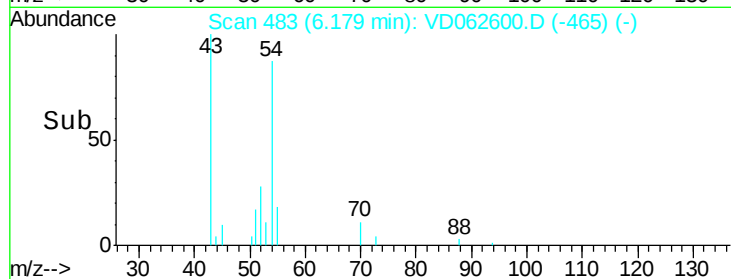
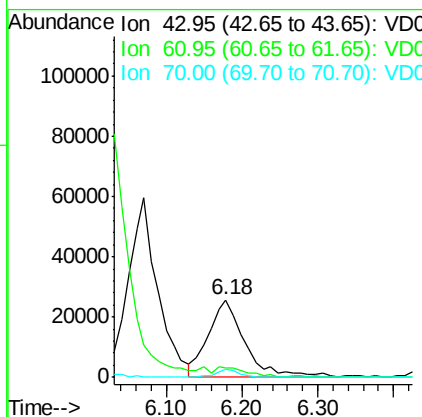
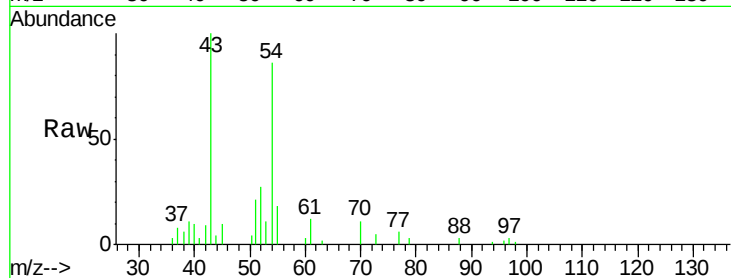




#37
Ethyl Acetate
Concen: 19.241 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

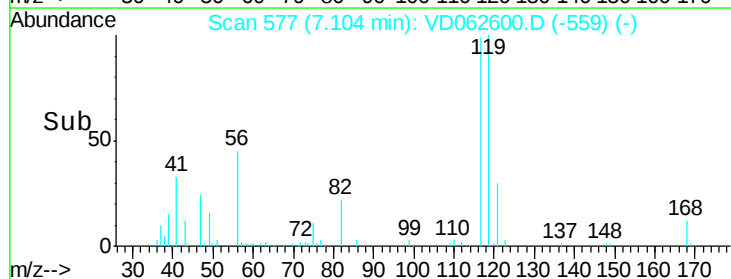
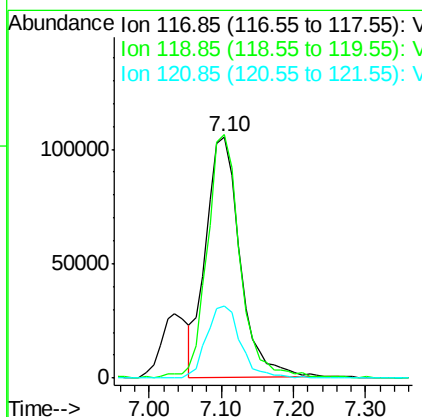
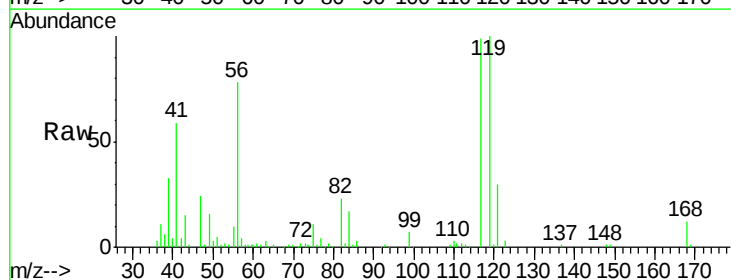
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

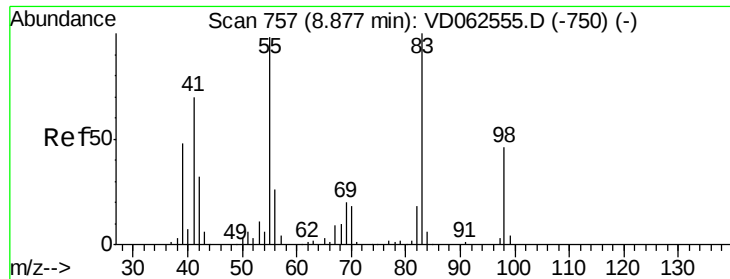
Tot Ion: 43 Resp: 83504
Ion Ratio Lower Upper
43 100
61 12.2 9.8 14.8
70 10.8 6.5 9.7#



#38
Carbon Tetrachloride
Concen: 22.483 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion: 117 Resp: 344585
Ion Ratio Lower Upper
117 100
119 101.0 71.4 107.2
121 29.8 22.5 33.7

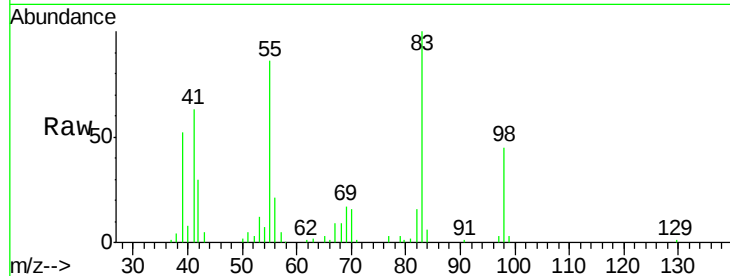




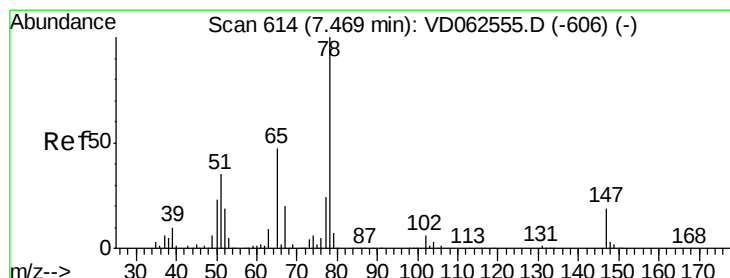
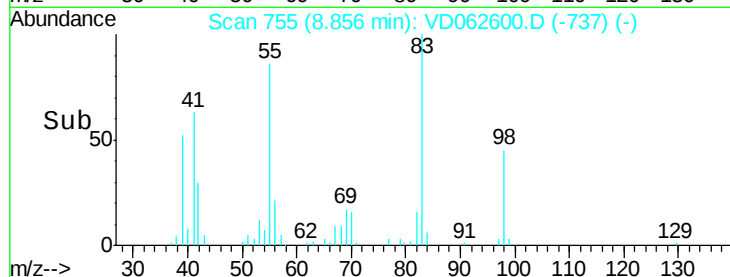
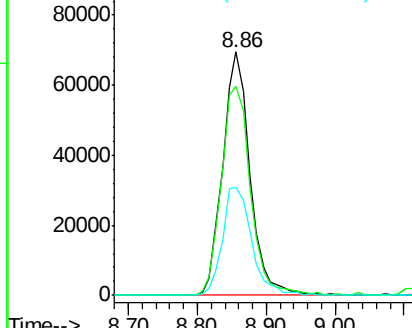
#39
Methvlcvclohexane
Concen: 21.828 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

Tot Ion: 83 Resp: 190238
Ion Ratio Lower Upper
83 100
55 85.8 78.7 118.1
98 44.5 37.2 55.8

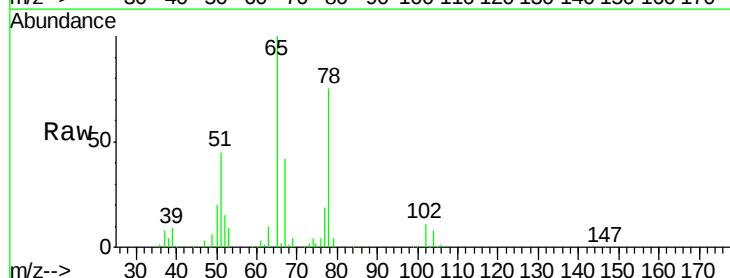


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

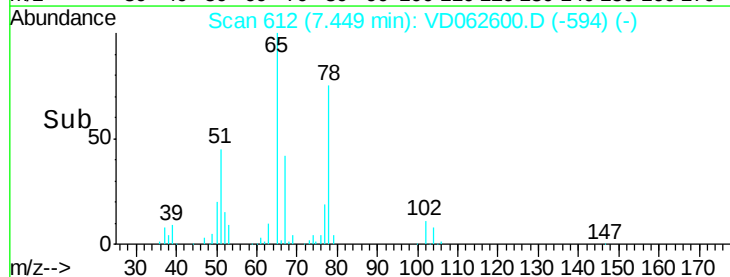
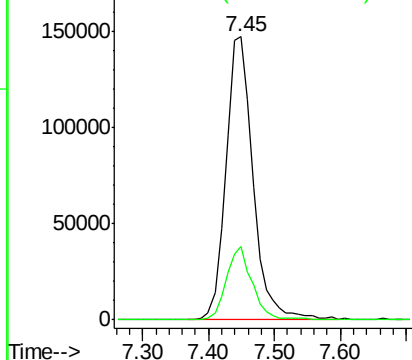


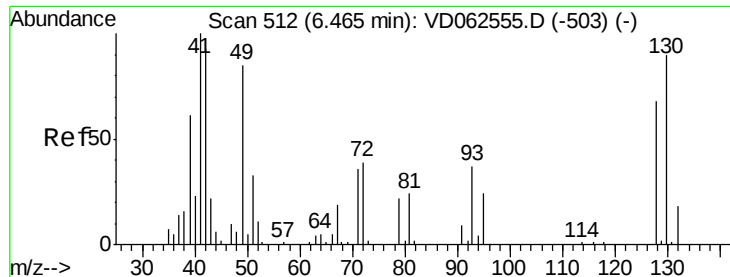
#40
Benzene
Concen: 21.037 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion: 78 Resp: 425039
Ion Ratio Lower Upper
78 100
77 25.9 19.1 28.7



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

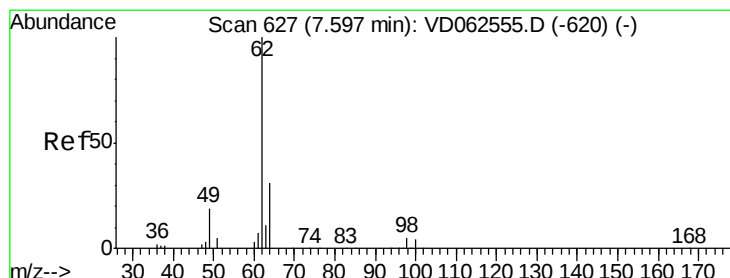
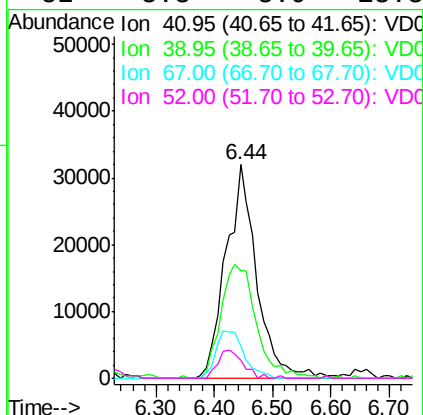
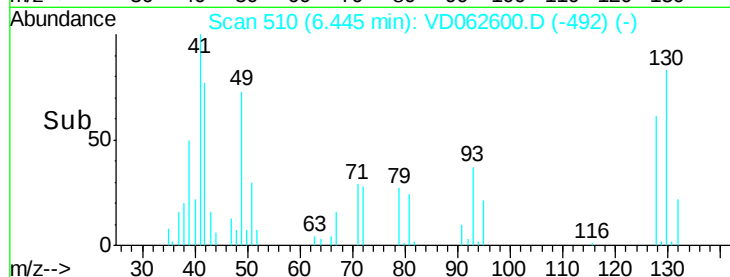
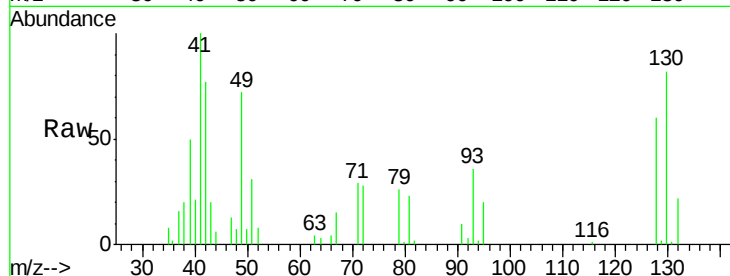




#41
Methacrylonitrile
Concen: 23.030 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

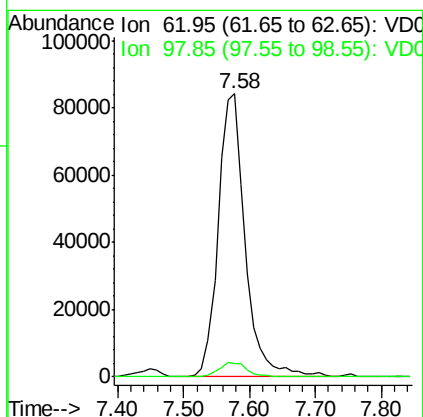
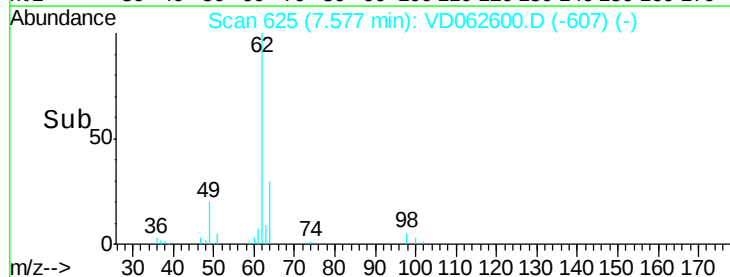
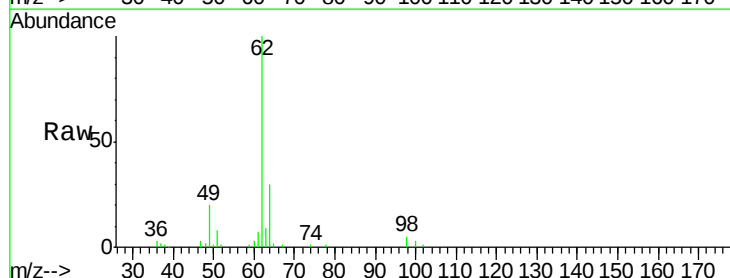
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

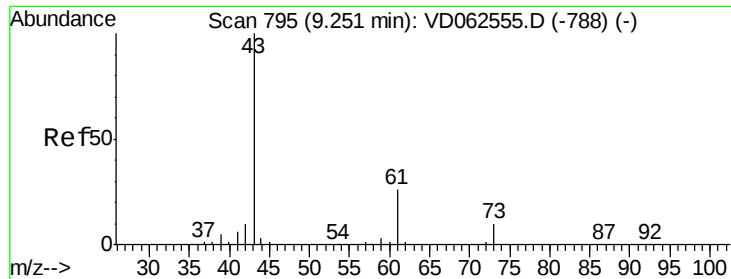
Tot Ion: 41 Resp: 117615
Ion Ratio Lower Upper
41 100
39 50.3 49.0 73.6
67 15.3 15.5 23.3#
52 8.3 8.9 13.3#



#42
1,2-Dichloroethane
Concen: 21.336 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion: 62 Resp: 240117
Ion Ratio Lower Upper
62 100
98 4.8 0.0 11.0





#43

Isopropyl Acetate

Concen: 21.642 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBSD01

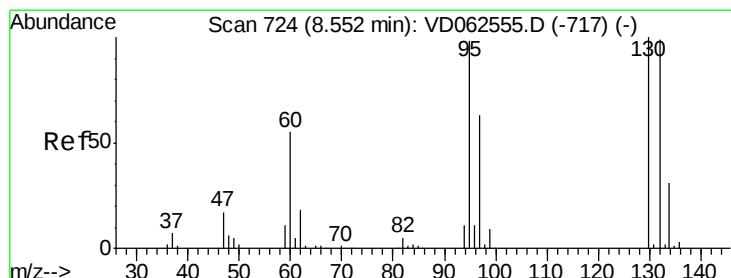
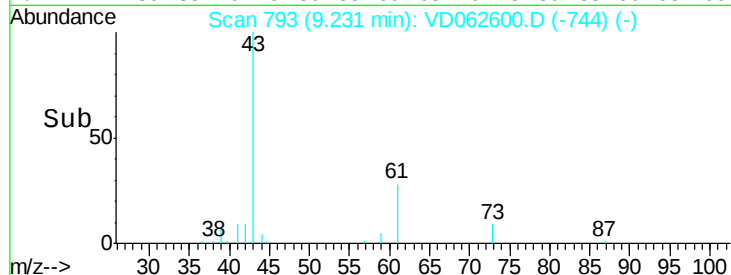
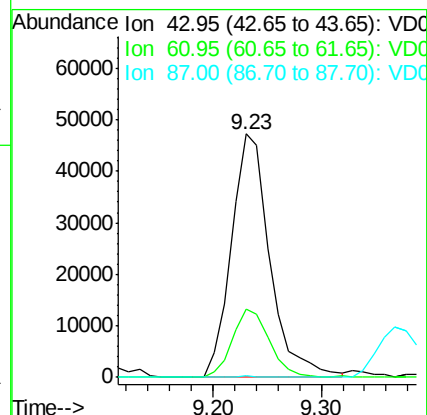
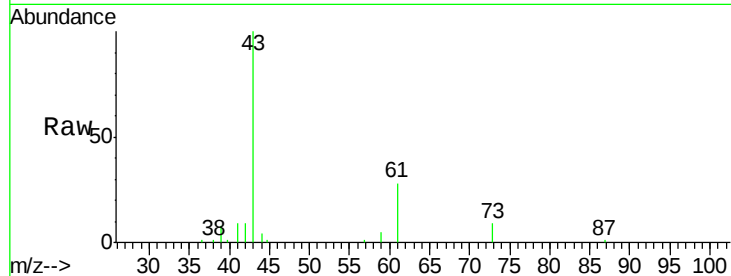
Tot Ion: 43 Resp: 116898

Ion Ratio Lower Upper

43 100

61 28.1 20.5 30.7

87 0.7 0.2 0.2#



#44

Trichloroethene

Concen: 21.257 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD062600.D

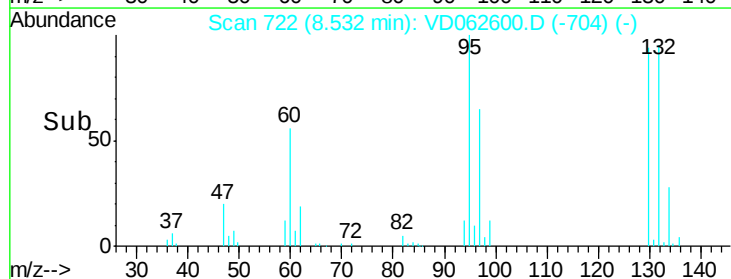
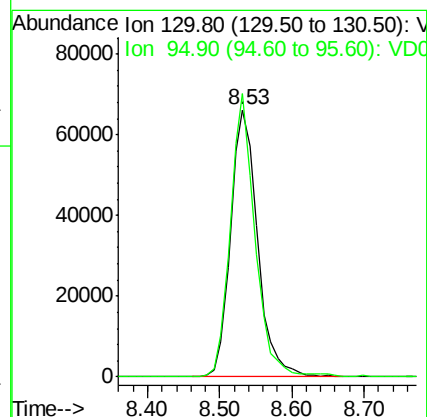
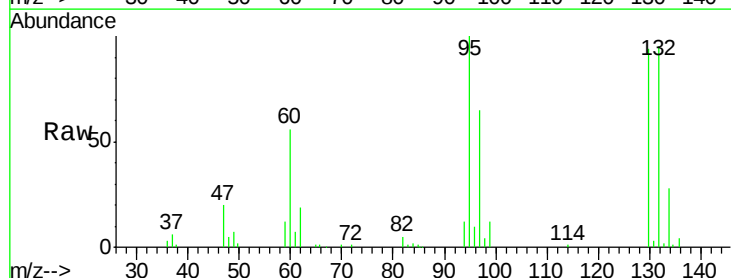
Acq: 4 Jun 2019 16:11

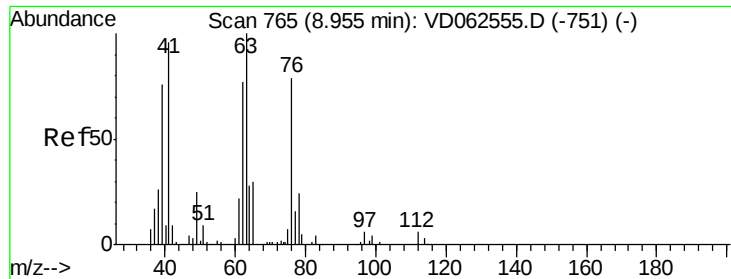
Tgt Ion:130 Resp: 171576

Ion Ratio Lower Upper

130 100

95 106.0 0.0 196.6





#45

1,2-Dichloropropane

Concen: 20.611 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

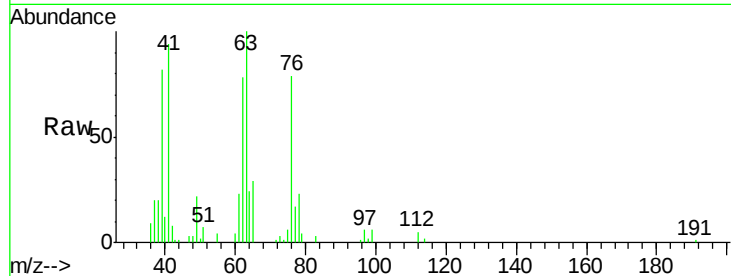
VD0604SBSD01

Tot Ion: 63 Resp: 102096

Ion Ratio Lower Upper

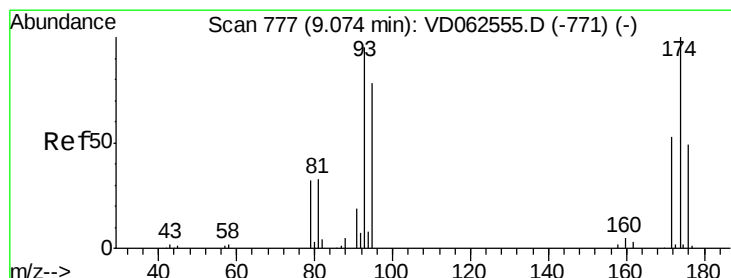
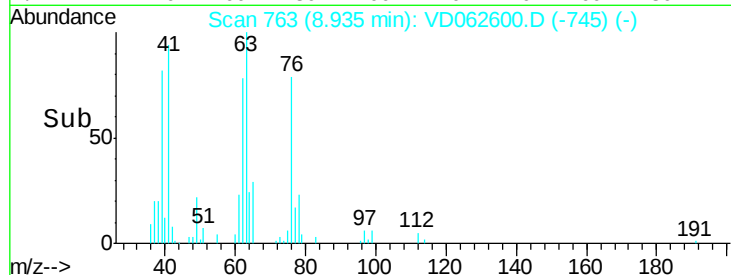
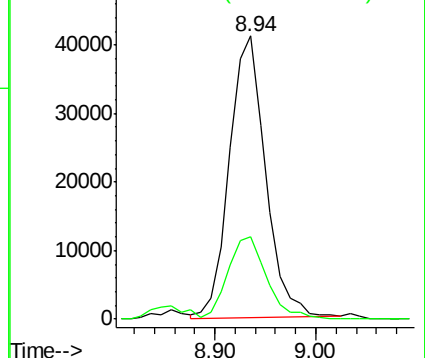
63 100

65 29.0 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.043 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

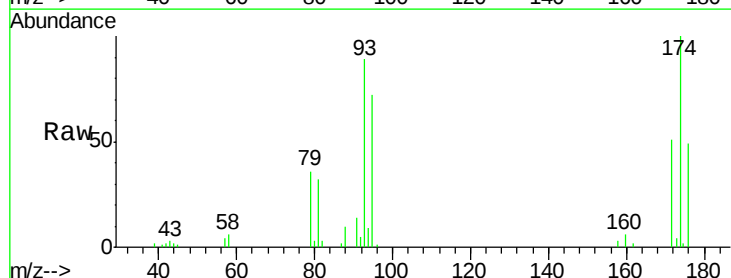
Tgt Ion: 93 Resp: 87551

Ion Ratio Lower Upper

93 100

95 81.6 66.1 99.1

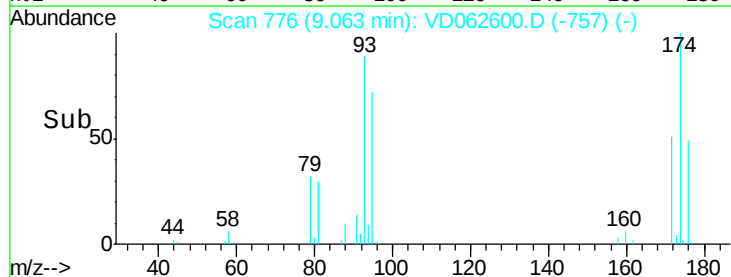
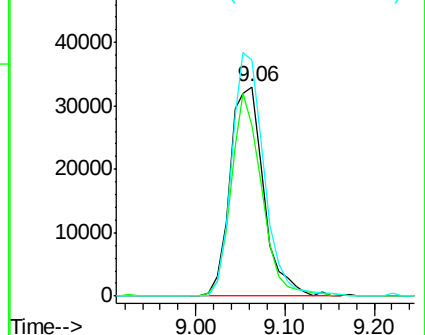
174 112.6 84.2 126.4

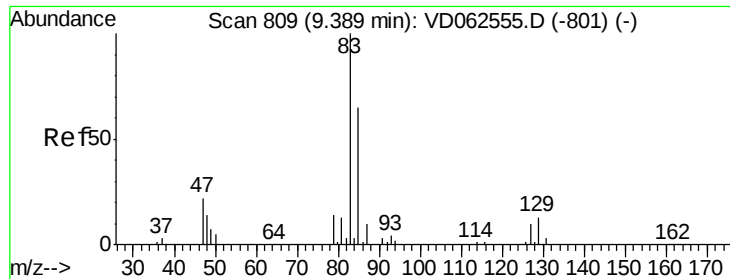


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.950 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBSD01

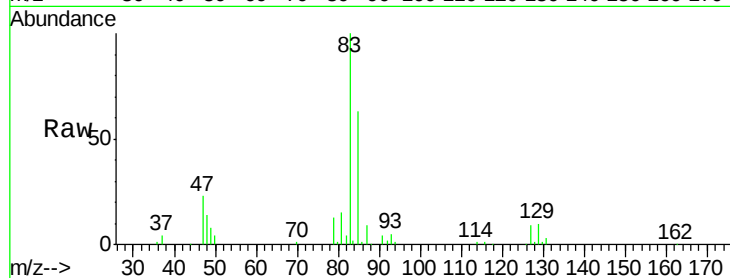
Tot Ion: 83 Resp: 251627

Ion Ratio Lower Upper

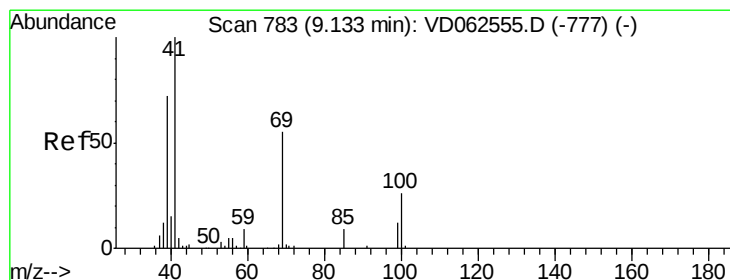
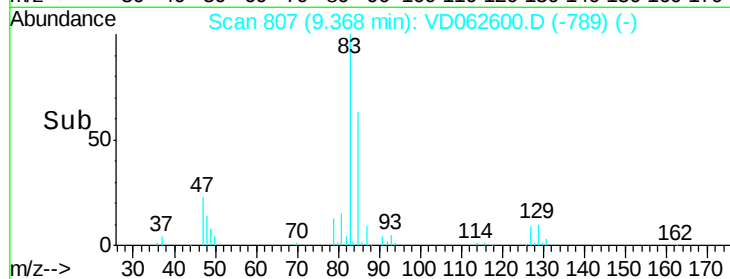
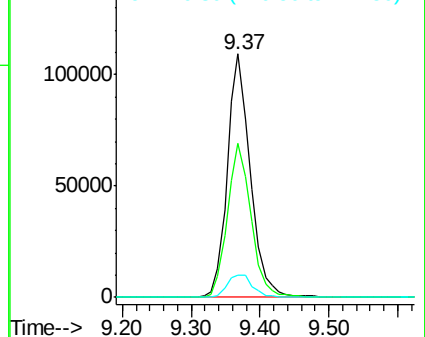
83 100

85 63.1 51.8 77.8

127 9.4 7.8 11.6



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



#48

Methyl methacrylate

Concen: 20.702 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

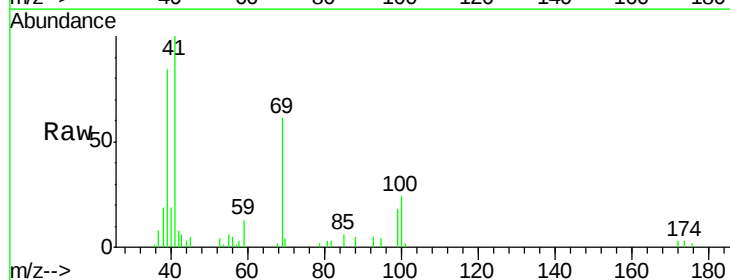
Tgt Ion: 41 Resp: 74477

Ion Ratio Lower Upper

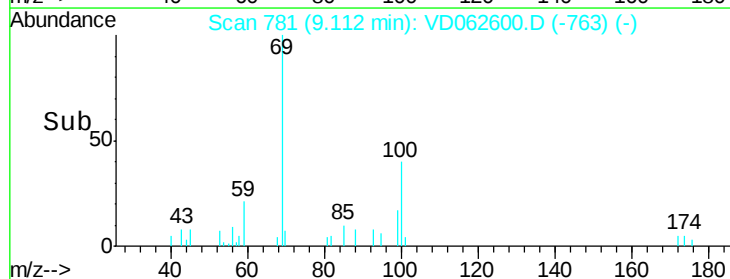
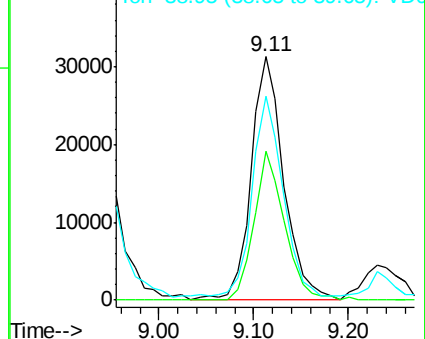
41 100

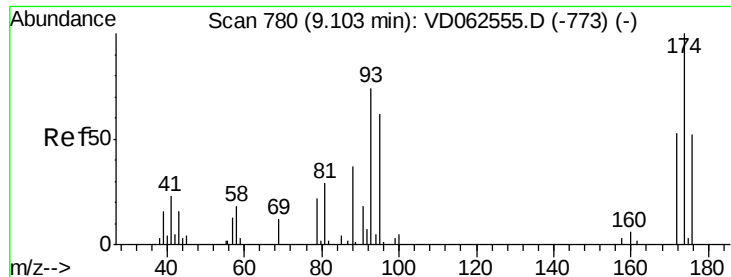
69 61.0 43.6 65.4

39 84.0 58.1 87.1



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

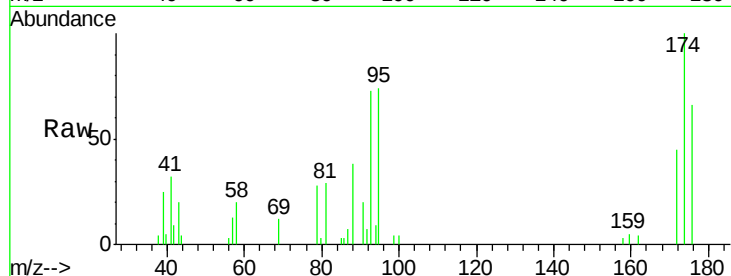




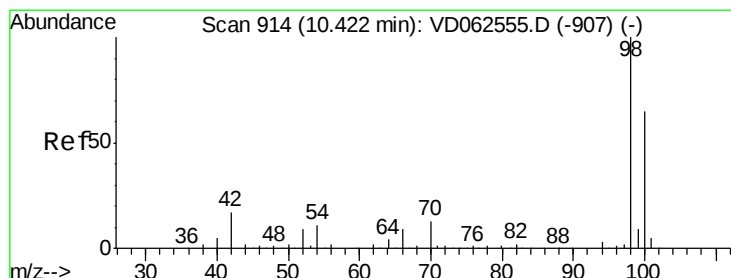
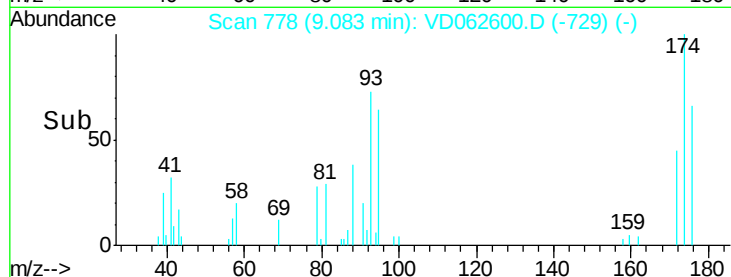
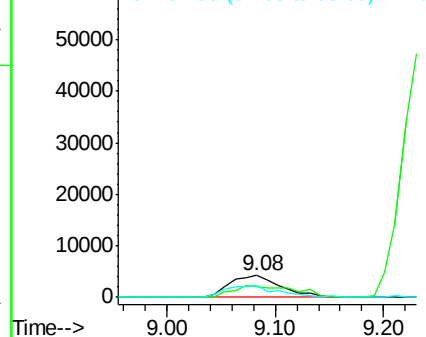
#49
1,4-Dioxane
Concen: 471.812 ug/l
RT: 9.08 min Scan# 778
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

Tot Ion: 88 Resp: 13787
Ion Ratio Lower Upper
88 100
43 51.7 37.1 55.7
58 53.8 39.3 58.9

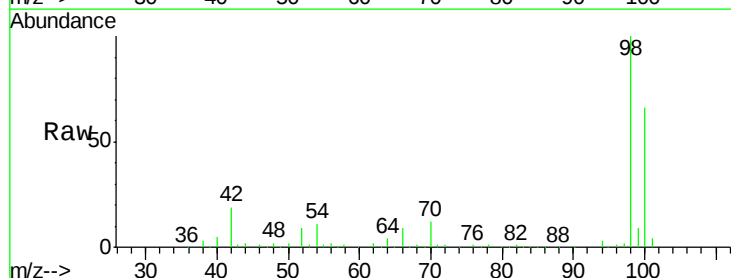


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

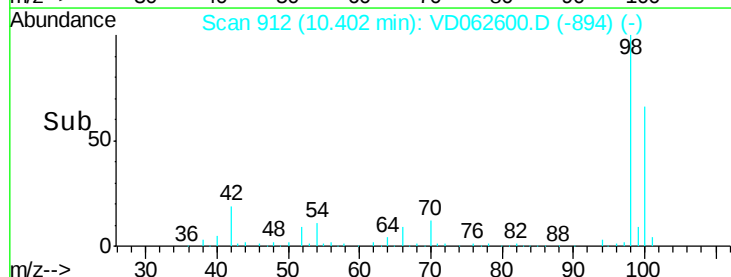
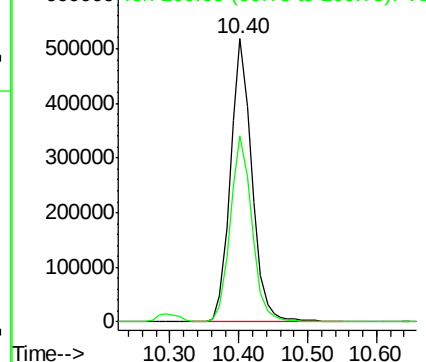


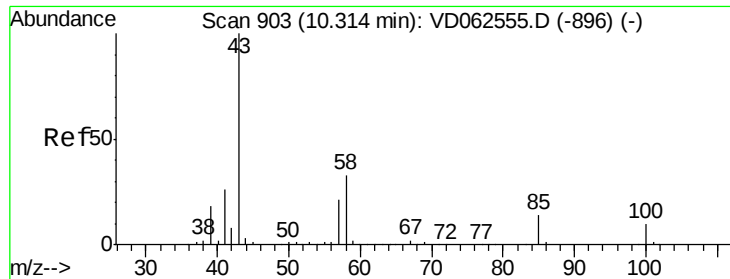
#50
Toluene-d8
Concen: 54.061 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion: 98 Resp: 1116199
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



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: 100.672 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

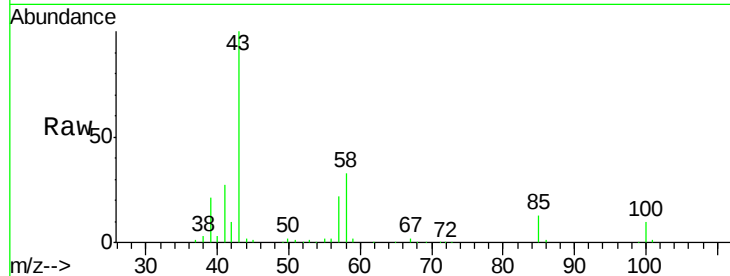
VD0604SBSD01

Tot Ion: 43 Resp: 379380

Ion Ratio Lower Upper

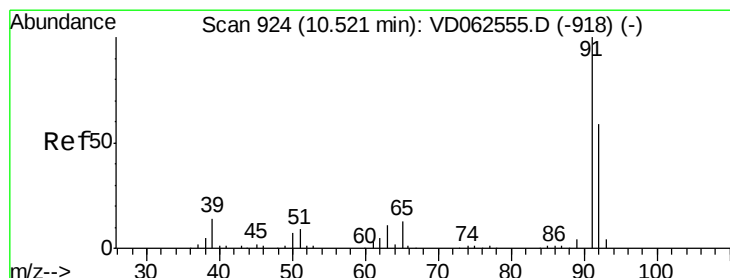
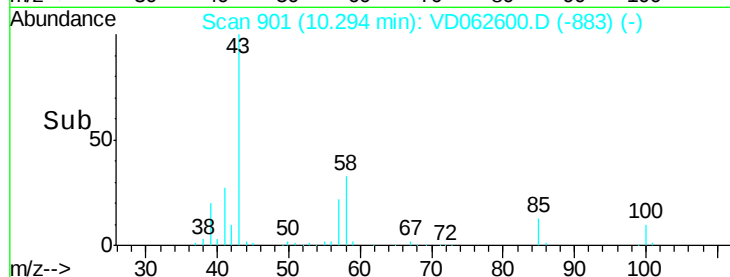
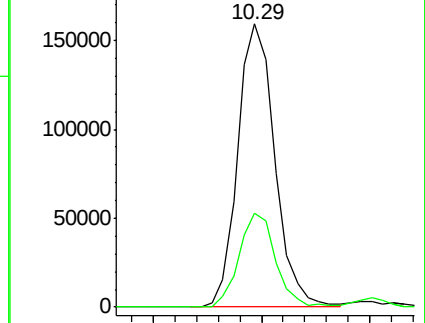
43 100

58 33.1 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.861 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD062600.D

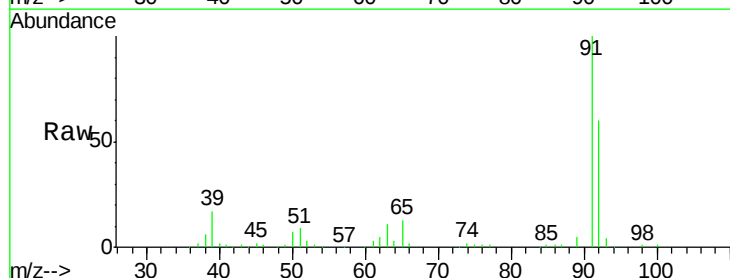
Acq: 4 Jun 2019 16:11

Tgt Ion: 92 Resp: 287455

Ion Ratio Lower Upper

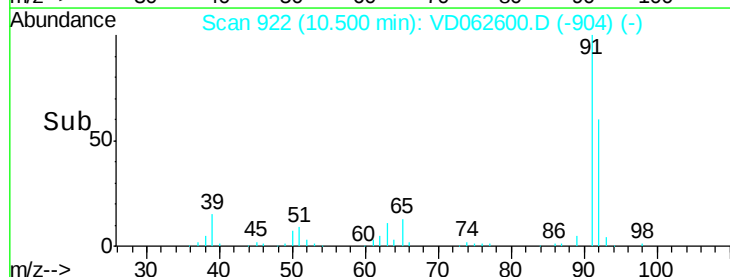
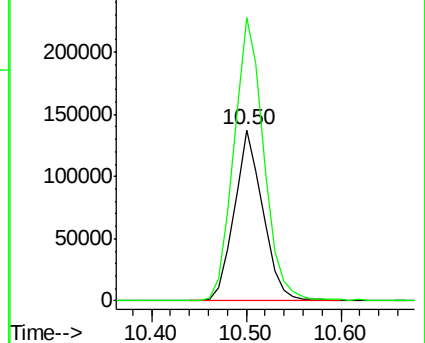
92 100

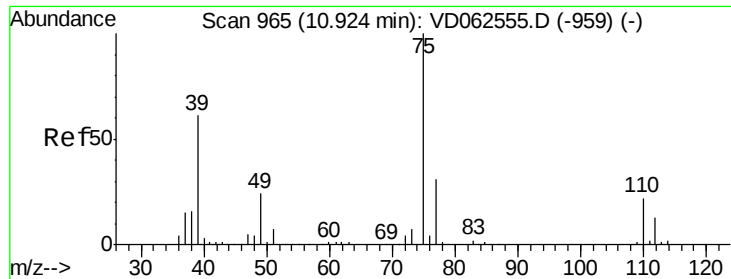
91 165.8 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

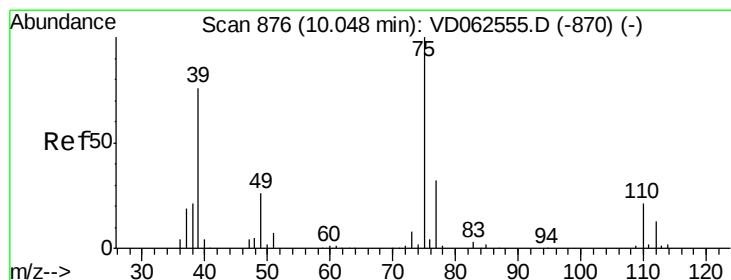
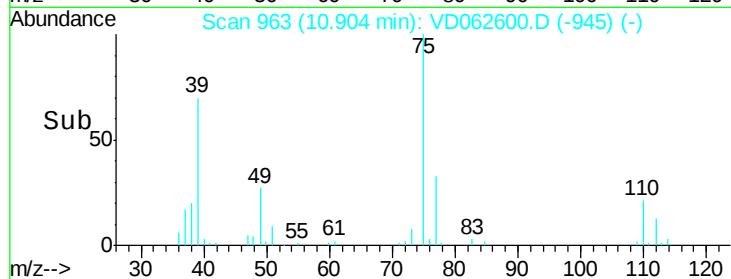
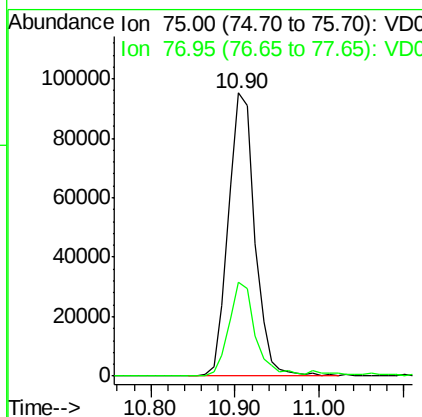
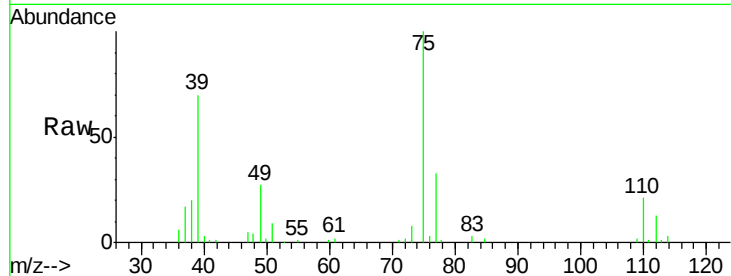




#53
 t-1,3-Dichloropropene
 Concen: 21.507 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

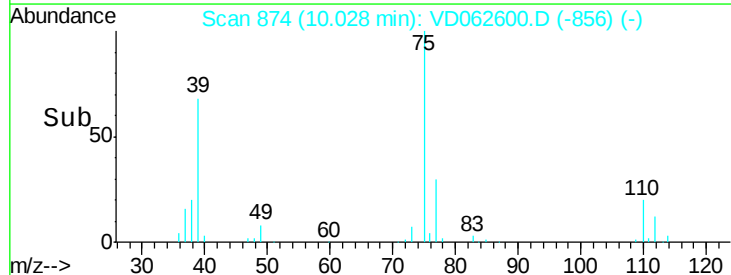
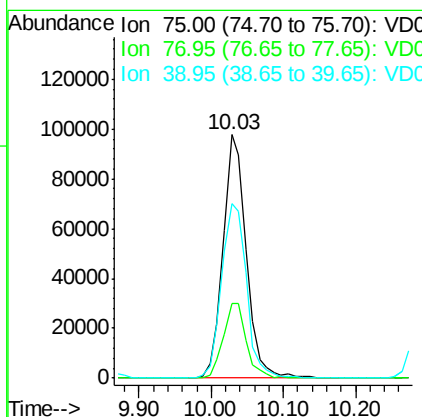
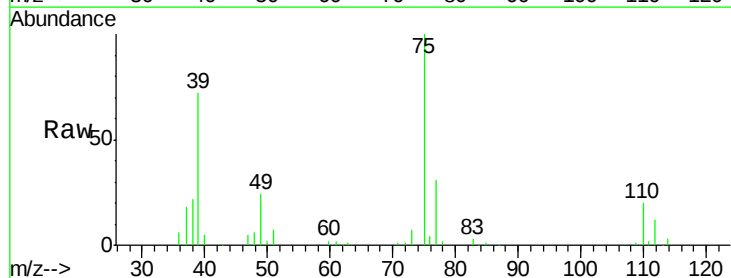
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0604SBSD01

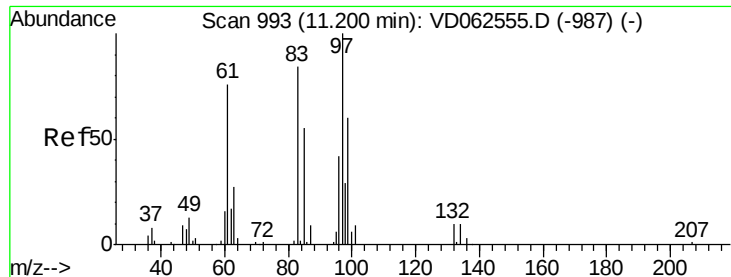
Tot Ion: 75 Resp: 208308
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 21.625 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

Tgt Ion: 75 Resp: 217764
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.7 38.5
 39 71.8 61.0 91.6





#55

1,1,2-Trichloroethane

Concen: 22.049 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBS01

Tot Ion: 97 Resp: 99761

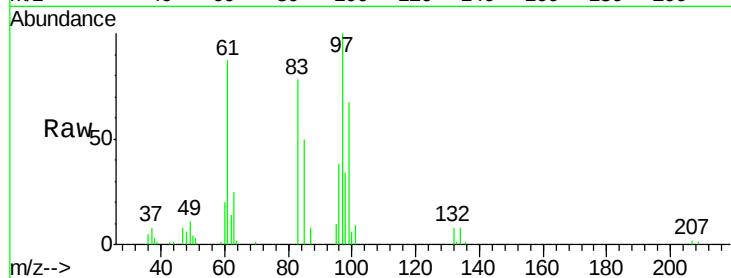
Ion Ratio Lower Upper

97 100

83 78.4 67.3 100.9

85 49.9 43.8 65.8

99 66.8 48.2 72.2

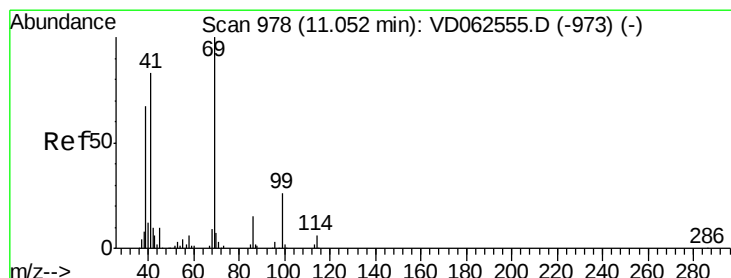
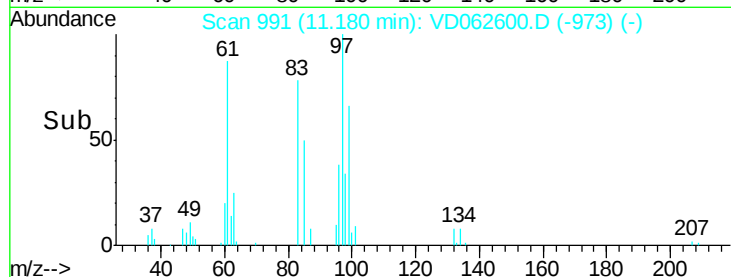
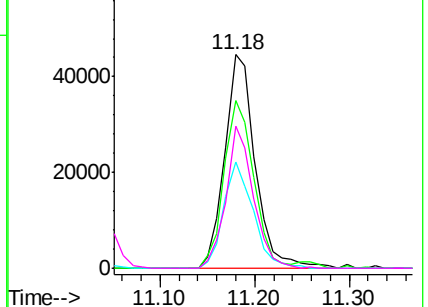


Abundance Ion 96.85 (96.55 to 97.55): VD0

Ion 82.95 (82.65 to 83.65): VD0

Ion 84.95 (84.65 to 85.65): VD0

Ion 98.85 (98.55 to 99.55): VD0



#56

Ethyl methacrylate

Concen: 22.005 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

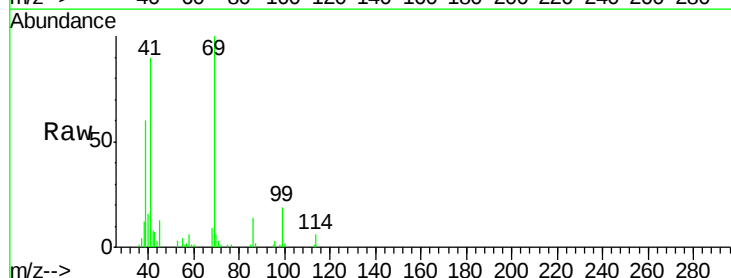
Tgt Ion: 69 Resp: 106118

Ion Ratio Lower Upper

69 100

41 90.1 66.1 99.1

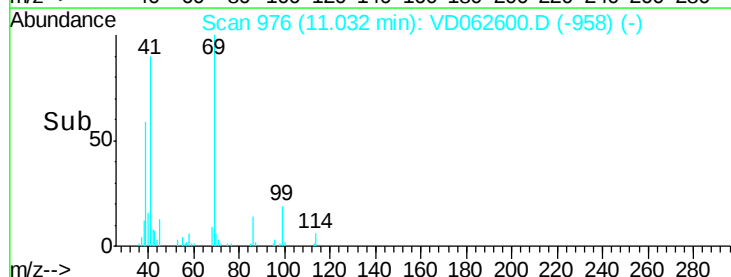
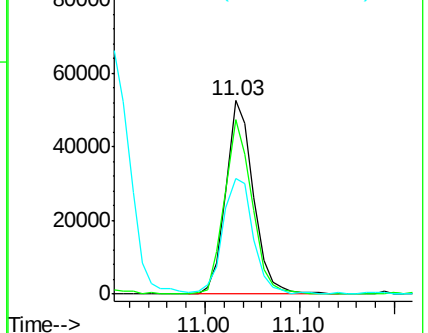
39 60.1 54.2 81.2

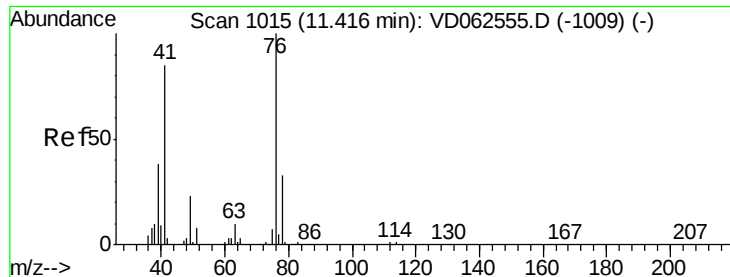


Abundance Ion 69.00 (68.70 to 69.70): VD0

Ion 41.05 (40.75 to 41.75): VD0

Ion 38.95 (38.65 to 39.65): VD0

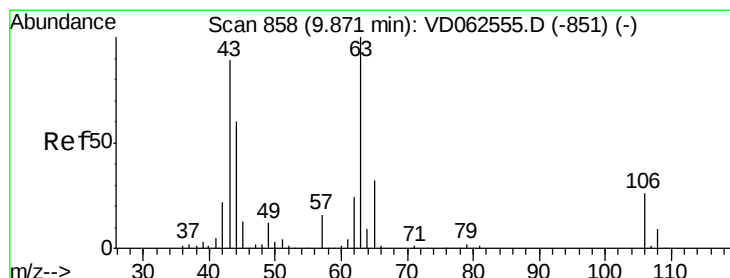
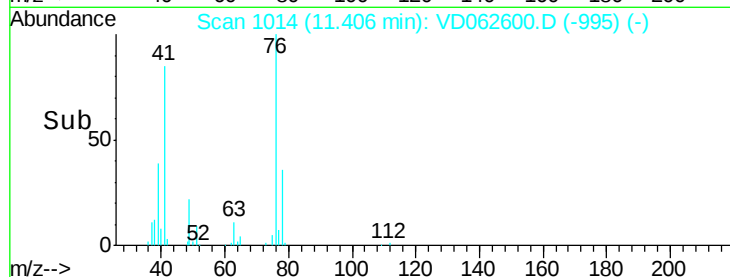
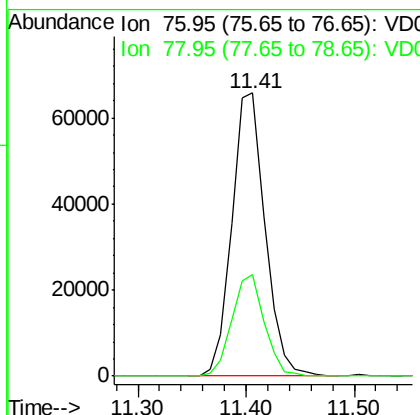
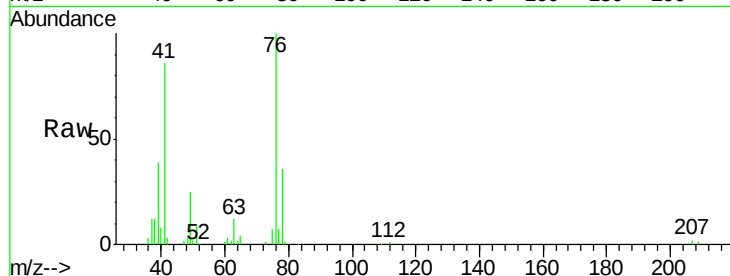




#57
 1,3-Dichloropropane
 Concen: 20.145 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

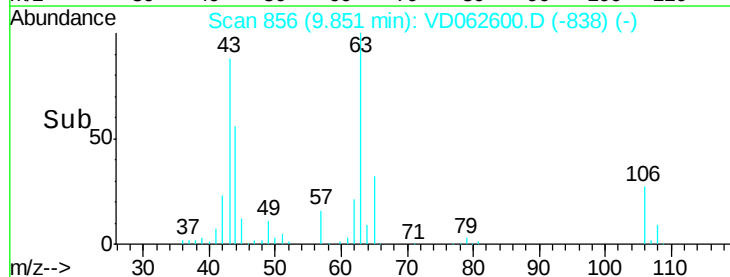
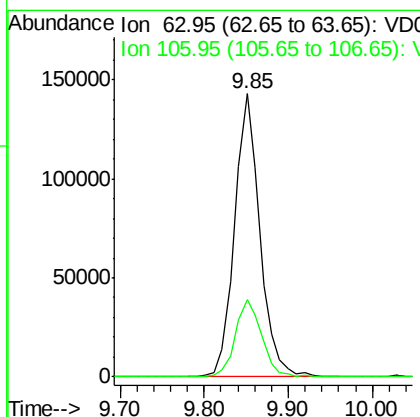
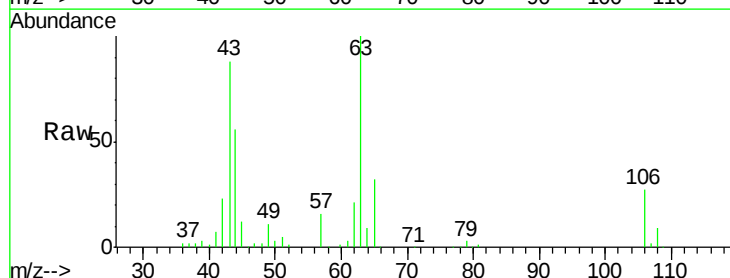
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0604SBSD01

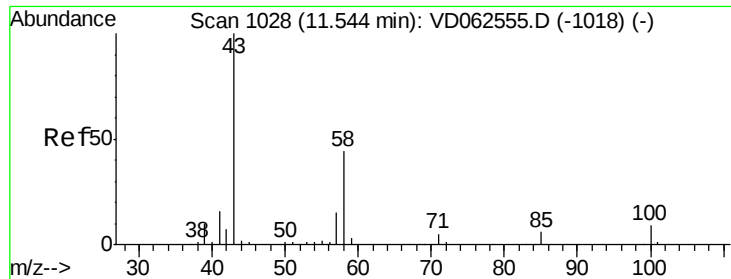
Tot Ion: 76 Resp: 140511
 Ion Ratio Lower Upper
 76 100
 78 35.7 26.7 40.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.692 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.02 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

Tgt Ion: 63 Resp: 298508
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.0 31.4

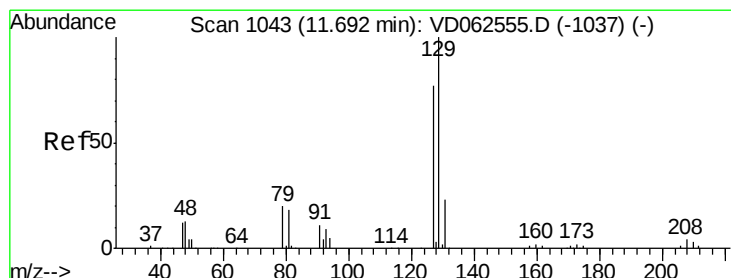
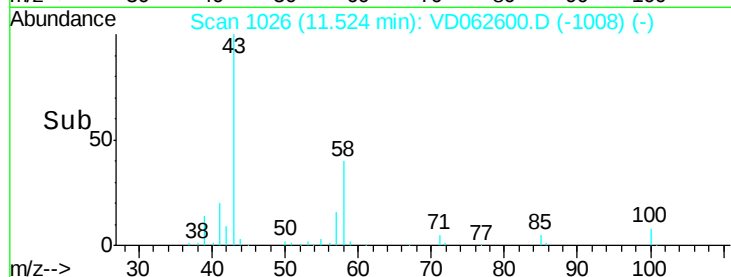
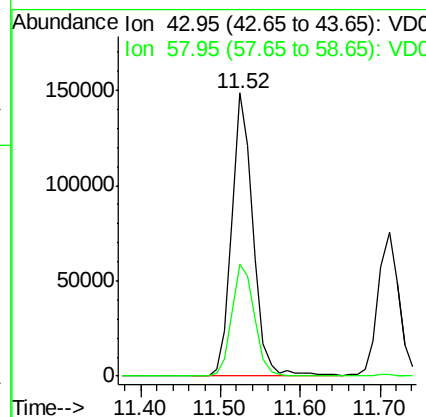
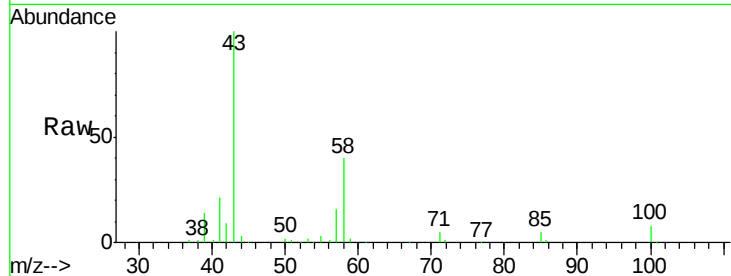




#59
2-Hexanone
Concen: 106.470 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

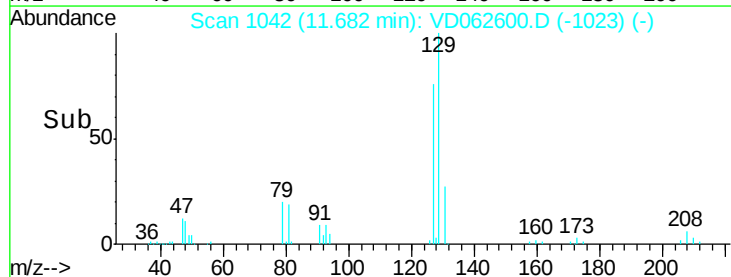
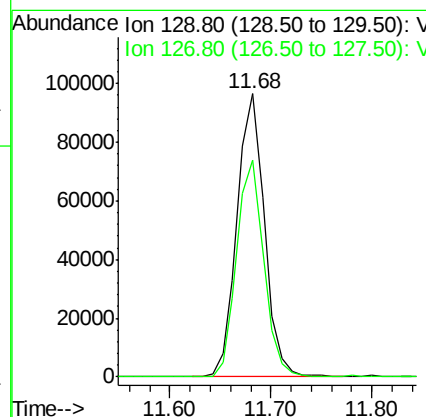
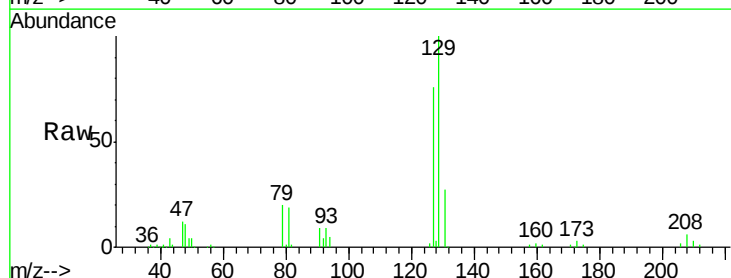
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

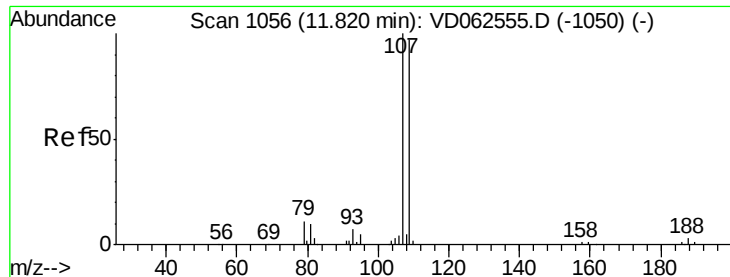
Tot Ion: 43 Resp: 281431
Ion Ratio Lower Upper
43 100
58 39.7 22.0 66.0



#60
Dibromochloromethane
Concen: 20.803 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion: 129 Resp: 182911
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8

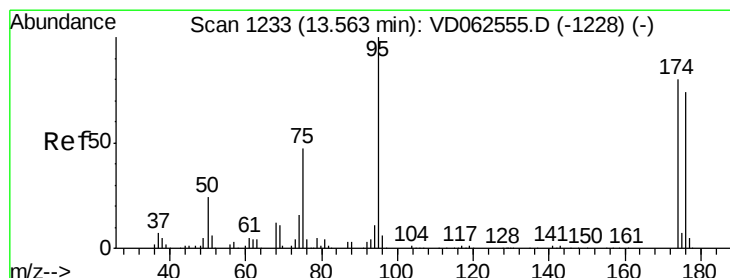
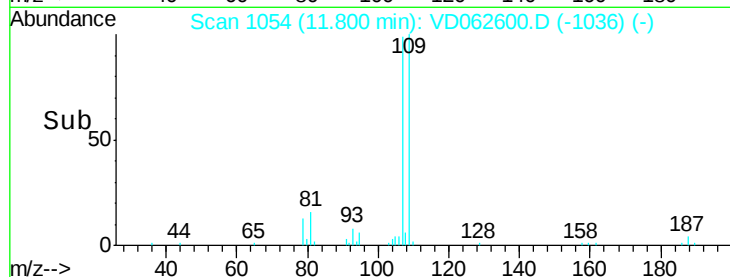
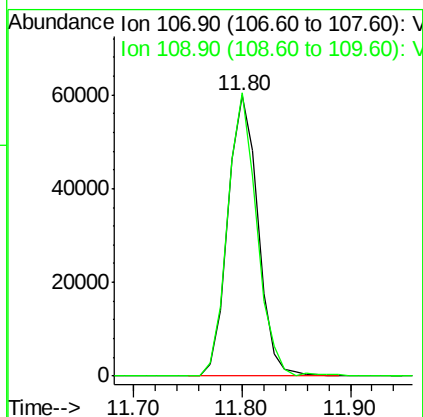
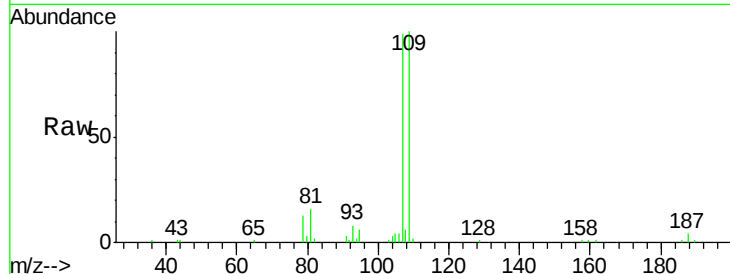




#61
1,2-Dibromoethane
Concen: 21.315 ug/l
RT: 11.80 min Scan# 1054
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

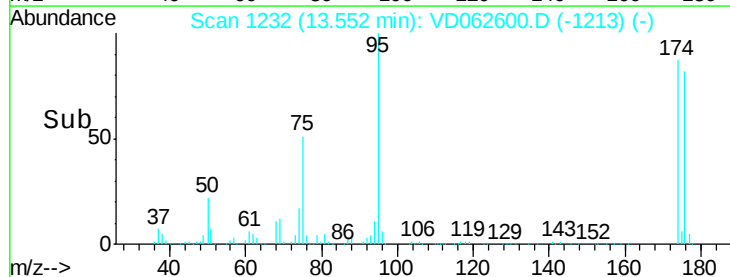
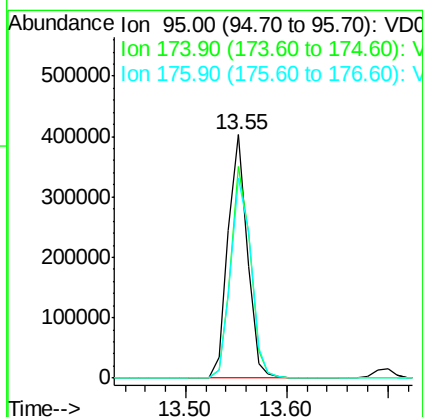
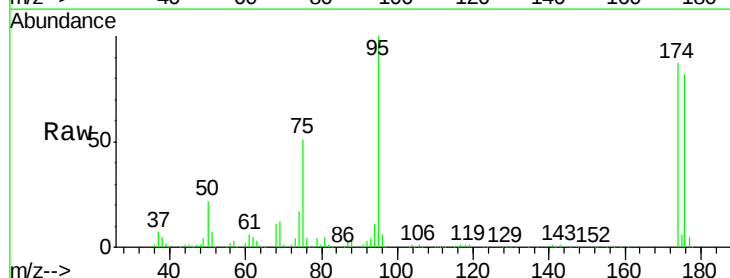
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

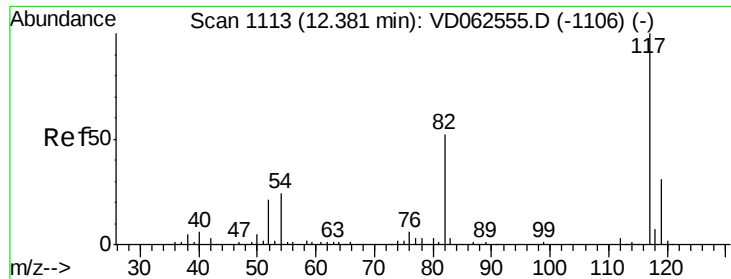
Tot Ion:107 Resp: 116014
Ion Ratio Lower Upper
107 100
109 100.9 77.3 115.9



#62
4-Bromofluorobenzene
Concen: 57.485 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion: 95 Resp: 535256
Ion Ratio Lower Upper
95 100
174 87.2 0.0 160.2
176 82.3 0.0 148.0

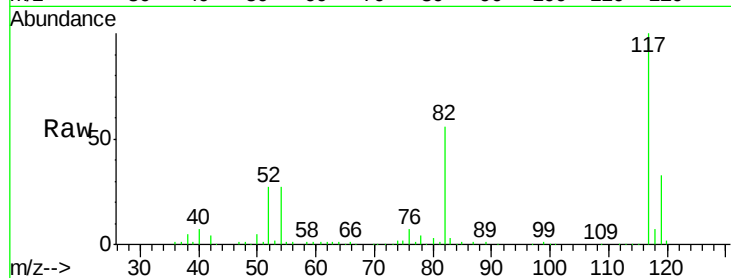




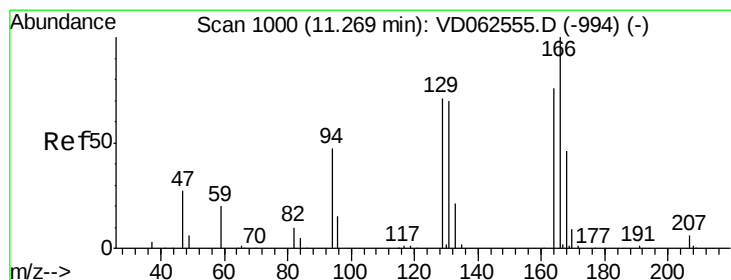
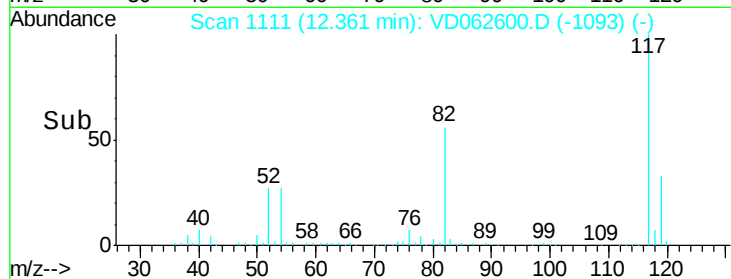
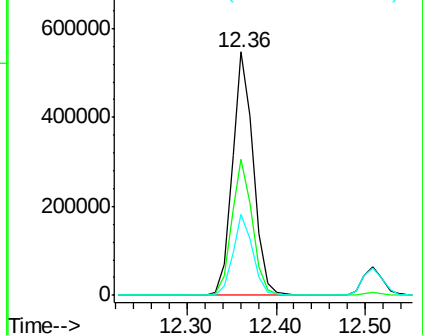
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

Tot Ion:117 Resp: 899795
Ion Ratio Lower Upper
117 100
82 55.9 41.4 62.2
119 33.1 24.9 37.3

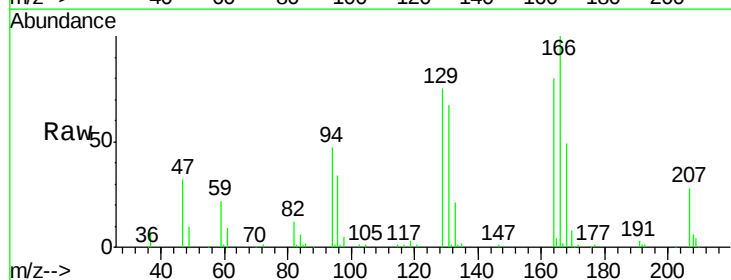


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

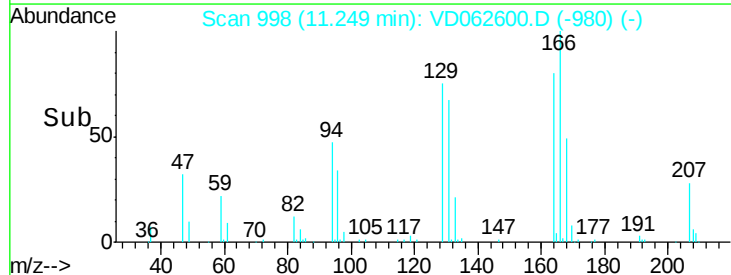
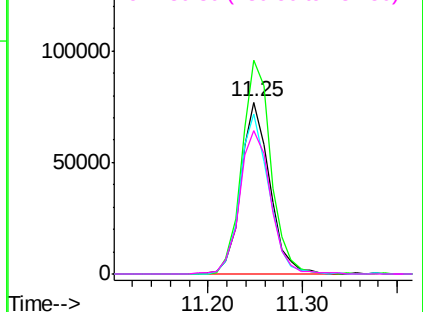


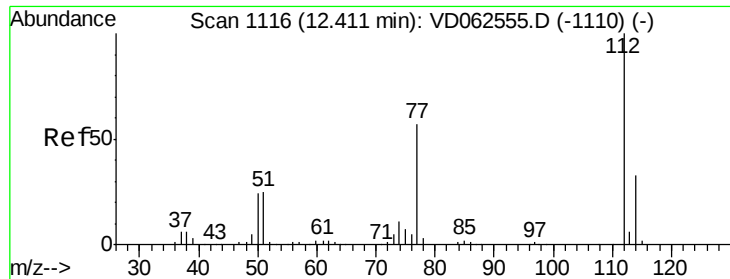
#64
Tetrachloroethene
Concen: 20.272 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion:164 Resp: 161244
Ion Ratio Lower Upper
164 100
166 124.4 105.3 157.9
129 93.1 75.3 112.9
131 83.4 73.3 109.9



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

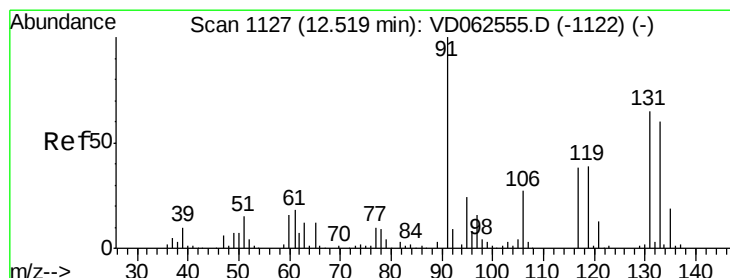
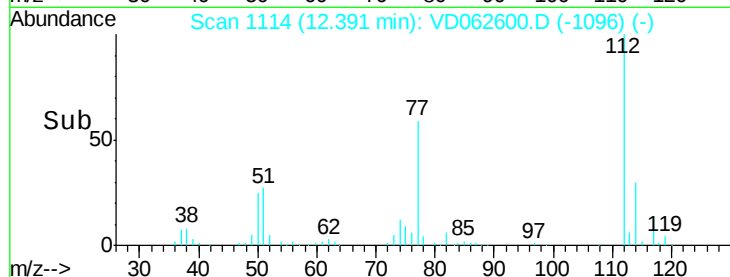
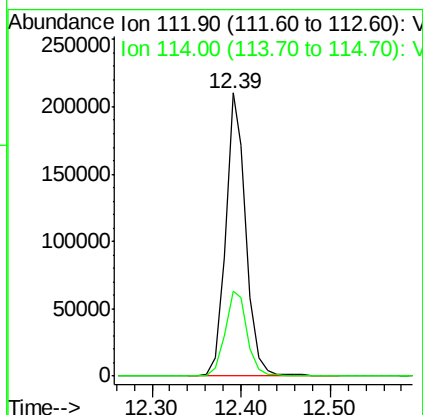
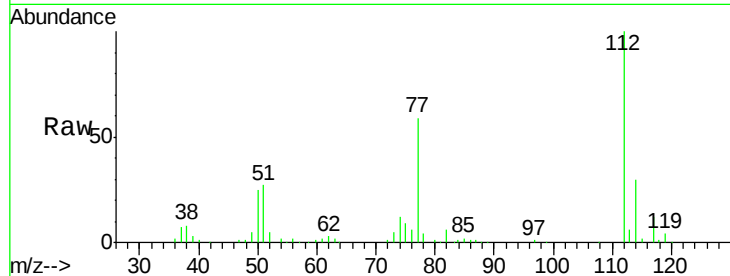




#65
Chlorobenzene
Concen: 19.139 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

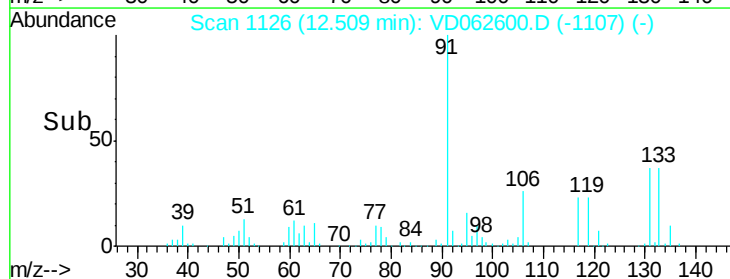
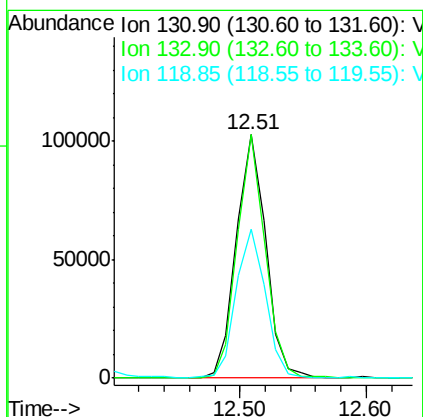
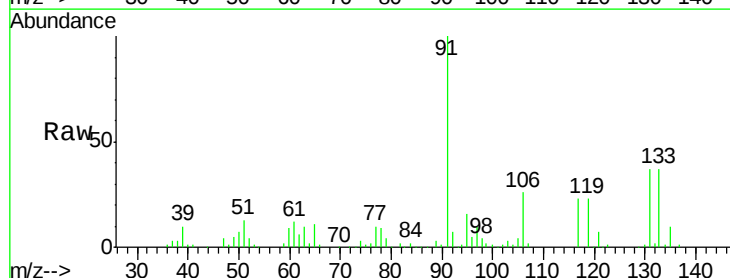
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

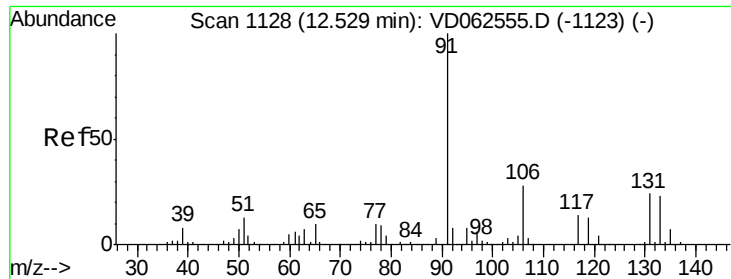
Tot Ion:112 Resp: 335482
Ion Ratio Lower Upper
112 100
114 30.2 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.112 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion:131 Resp: 166727
Ion Ratio Lower Upper
131 100
133 99.9 46.2 138.6
119 61.1 29.5 88.6

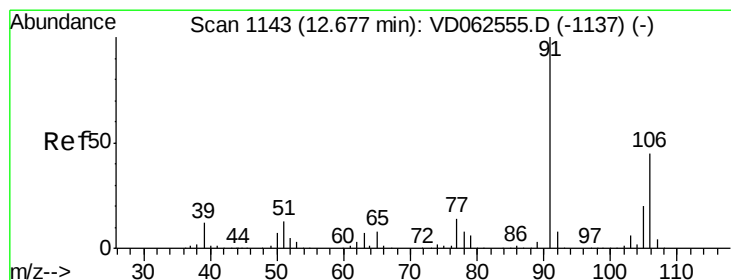
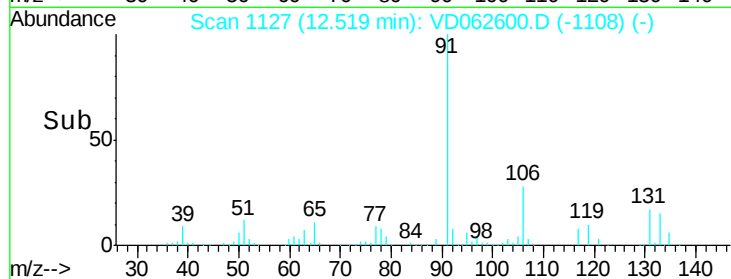
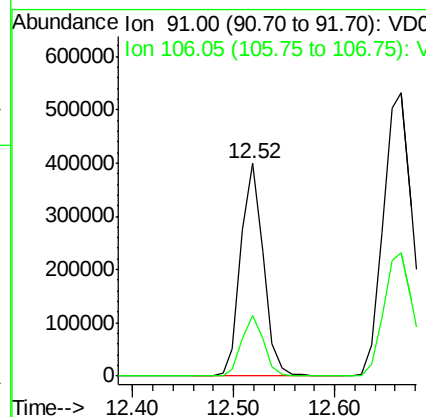
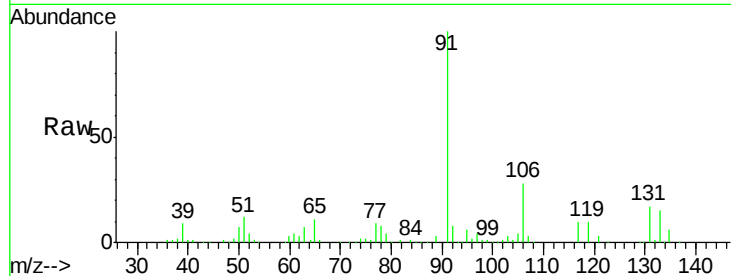




#67
Ethyl Benzene
Concen: 19.361 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

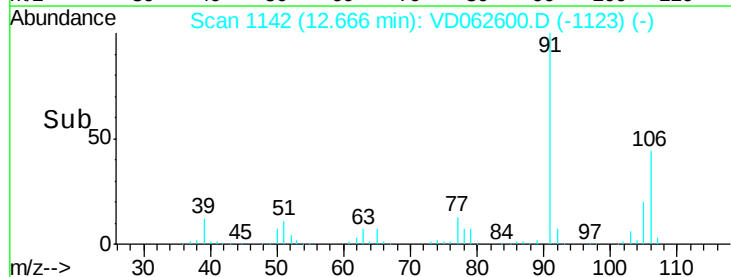
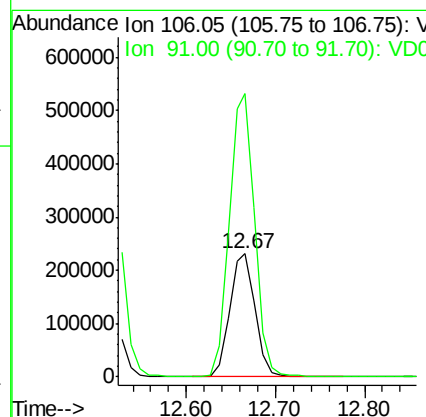
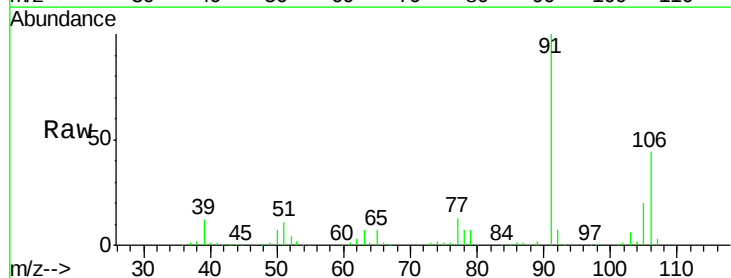
Instrument :
MSVOA_D
ClientSampleId :
VD0604SBS01

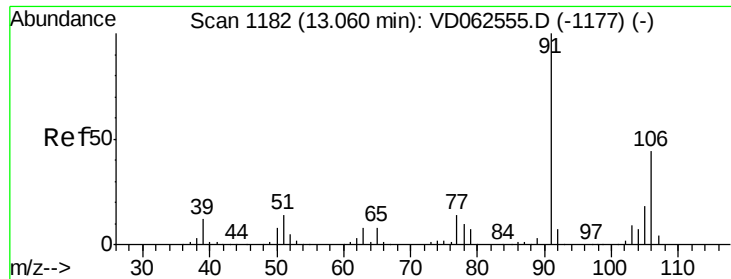
Tot Ion: 91 Resp: 621785
Ion Ratio Lower Upper
91 100
106 28.3 22.2 33.2



#68
m/p-Xylenes
Concen: 41.440 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion: 106 Resp: 460394
Ion Ratio Lower Upper
106 100
91 229.8 178.9 268.3

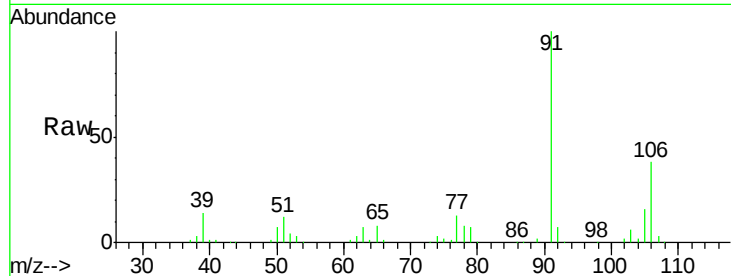




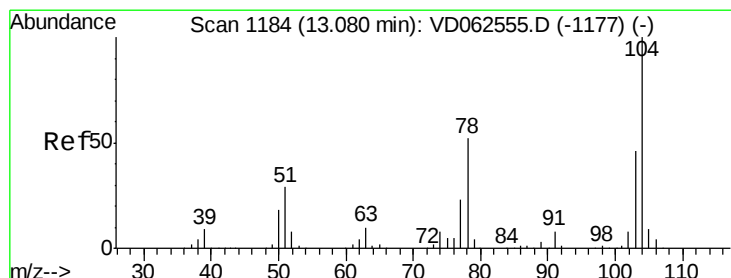
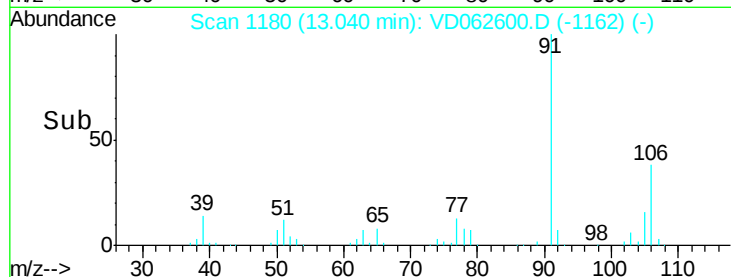
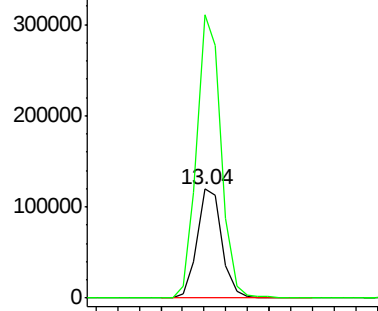
#69
o-Xylene
Concen: 18.070 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

Tot Ion:106 Resp: 191508
Ion Ratio Lower Upper
106 100
91 260.1 113.9 341.8

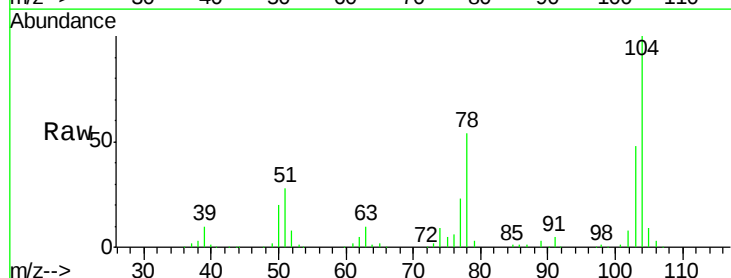


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

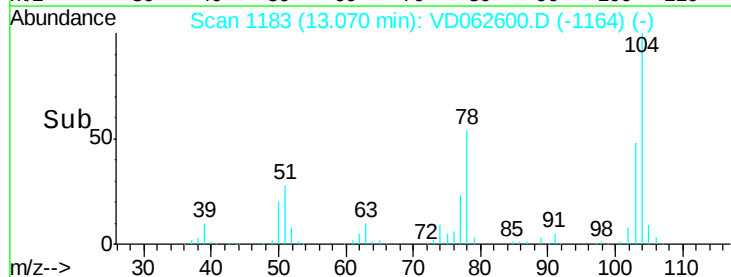
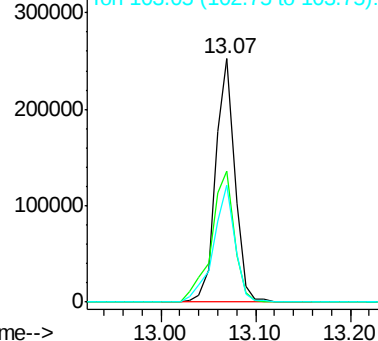


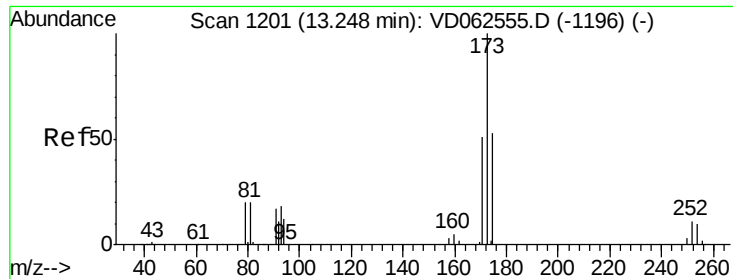
#70
Styrene
Concen: 19.650 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion:104 Resp: 353606
Ion Ratio Lower Upper
104 100
78 54.0 41.5 62.3
103 48.1 36.6 55.0



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





#71

Bromoform

Concen: 19.771 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBSD01

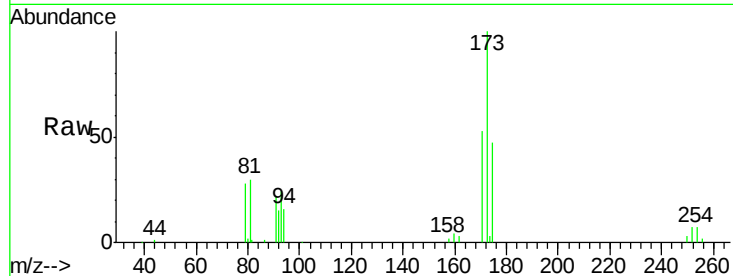
Tot Ion:173 Resp: 115054

Ion Ratio Lower Upper

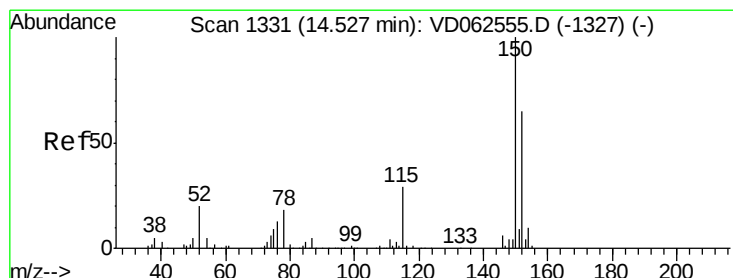
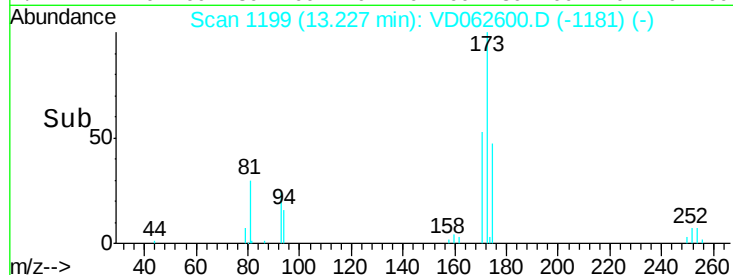
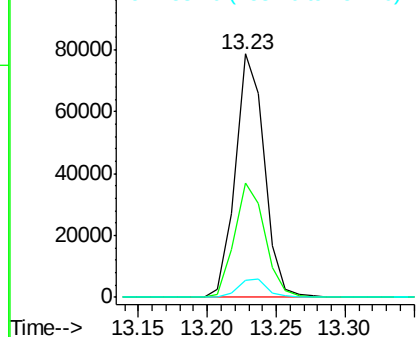
173 100

175 46.8 26.6 79.7

254 6.8 8.1 12.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

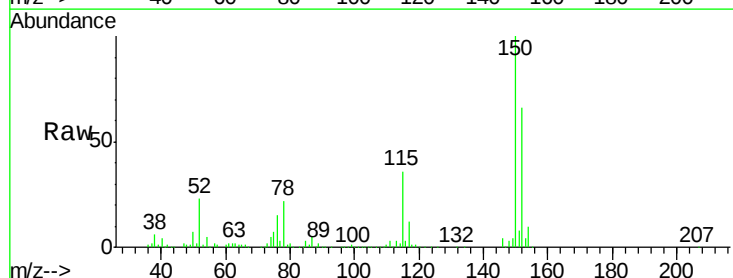
Tgt Ion:152 Resp: 507916

Ion Ratio Lower Upper

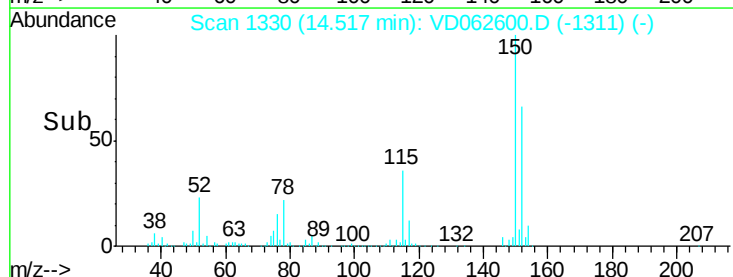
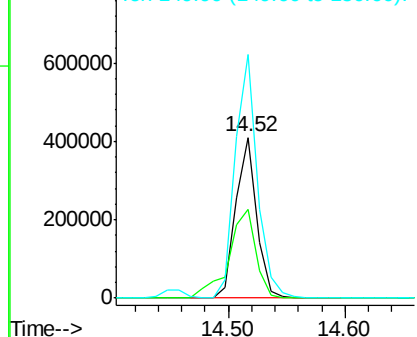
152 100

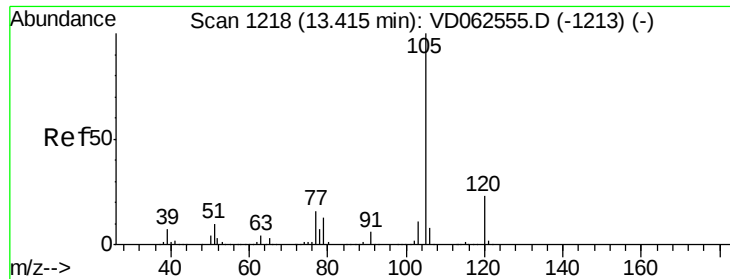
115 55.2 28.4 85.3

150 151.8 0.0 310.4



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: 19.632 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

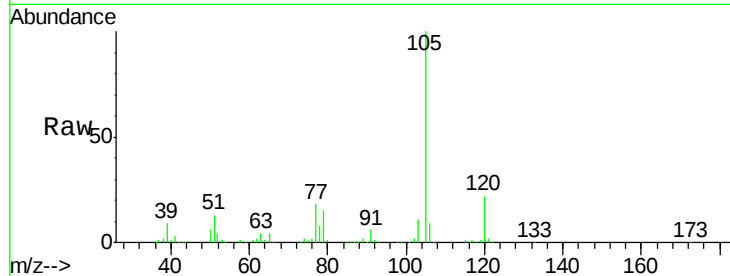
VD0604SBSD01

Tot Ion:105 Resp: 657361

Ion Ratio Lower Upper

105 100

120 21.8 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

400000

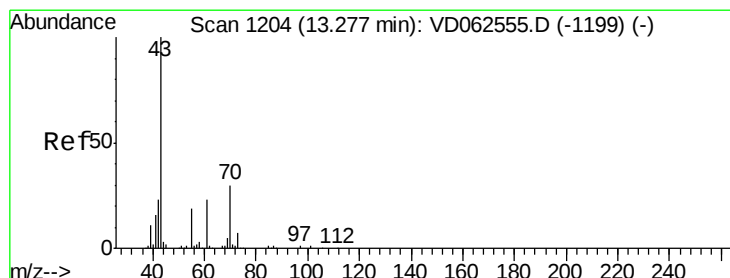
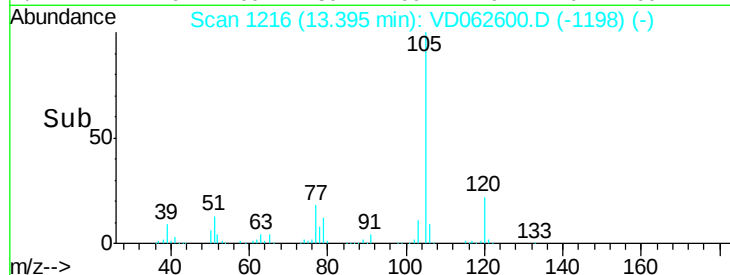
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.984 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Tgt Ion: 43 Resp: 162080

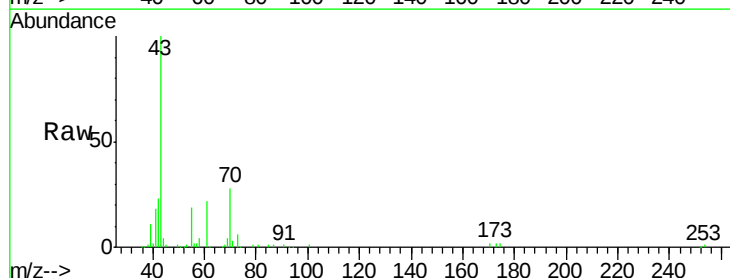
Ion Ratio Lower Upper

43 100

70 27.5 23.7 35.5

55 19.0 15.0 22.4

61 22.2 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.26

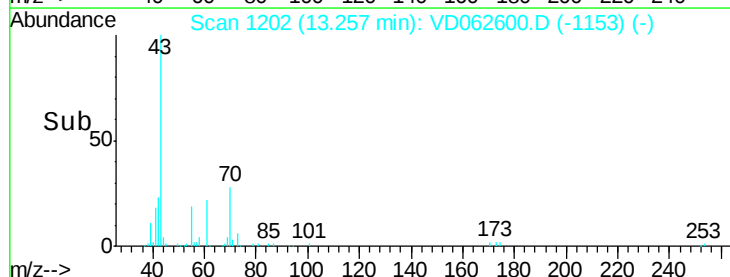
150000

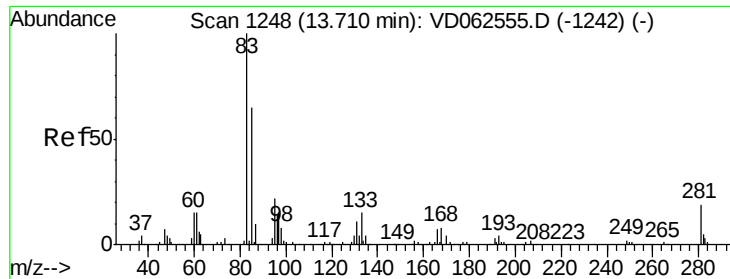
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.456 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBSD01

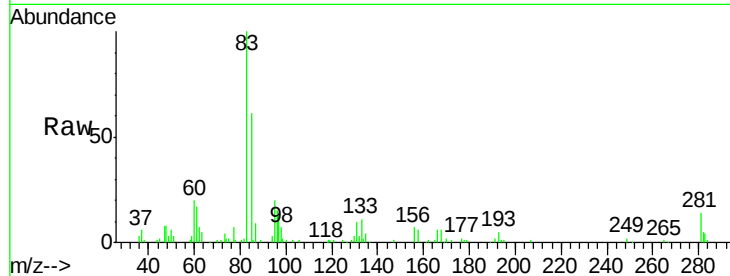
Tot Ion: 83 Resp: 108635

Ion Ratio Lower Upper

83 100

131 10.4 5.7 17.1

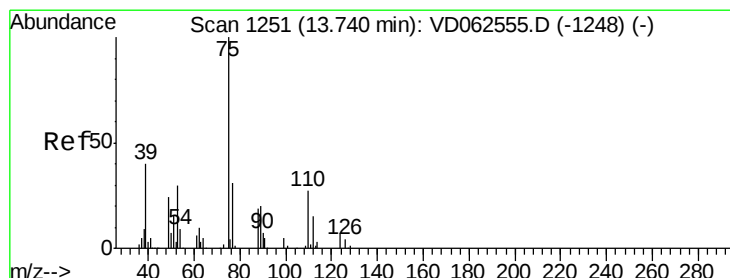
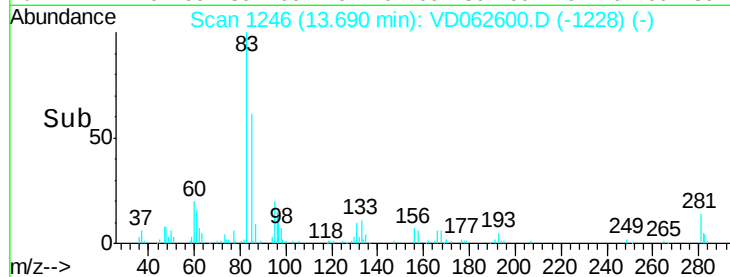
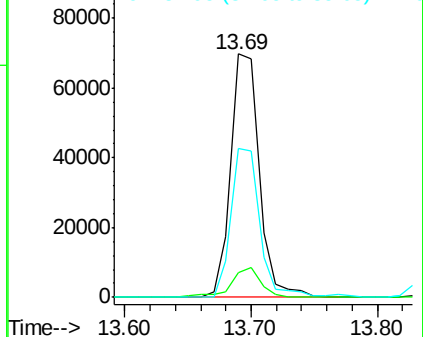
85 61.2 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.840 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD062600.D

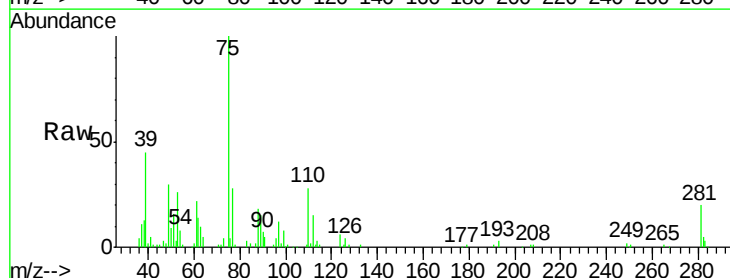
Acq: 4 Jun 2019 16:11

Tgt Ion: 75 Resp: 120898

Ion Ratio Lower Upper

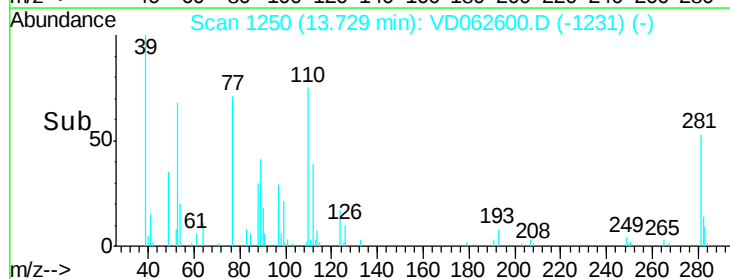
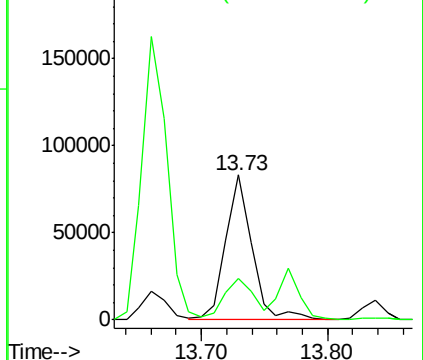
75 100

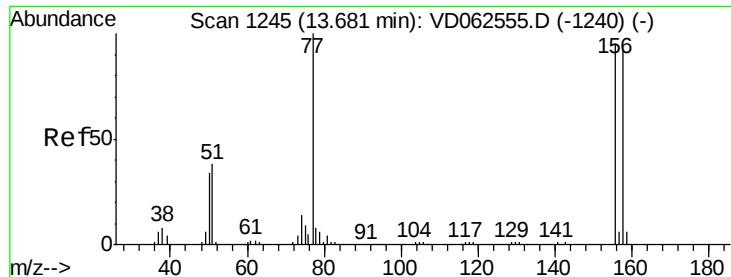
77 28.3 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.470 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBSD01

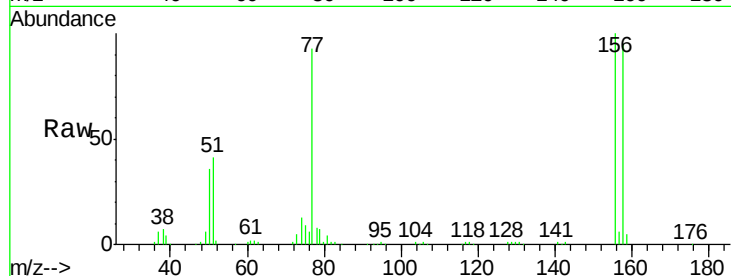
Tot Ion:156 Resp: 187931

Ion Ratio Lower Upper

156 100

77 93.3 52.9 158.7

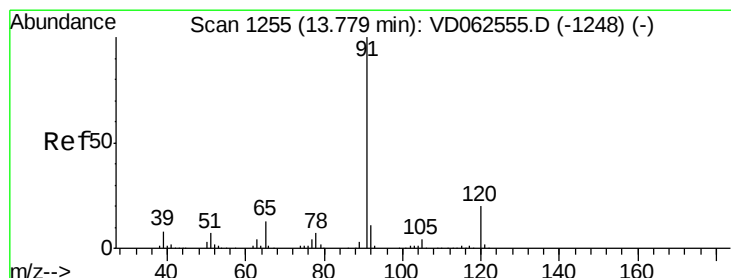
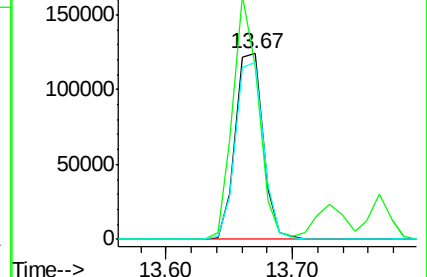
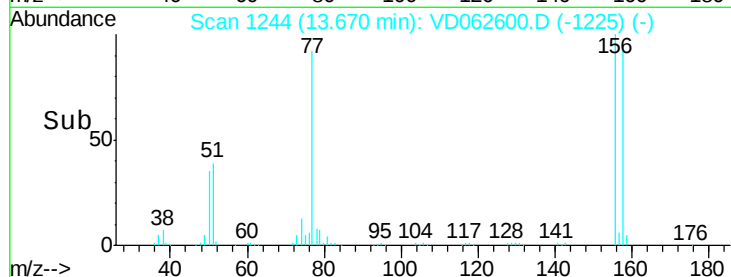
158 95.1 48.5 145.5



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: 20.393 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062600.D

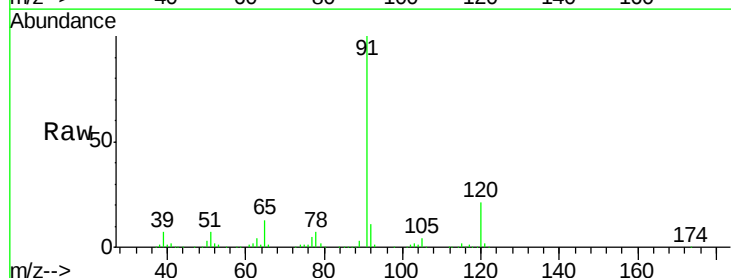
Acq: 4 Jun 2019 16:11

Tgt Ion: 91 Resp: 787104

Ion Ratio Lower Upper

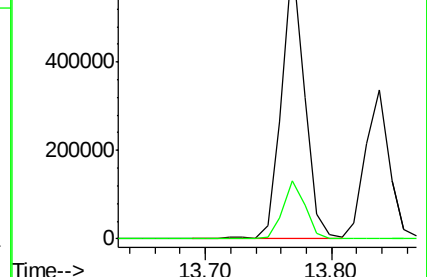
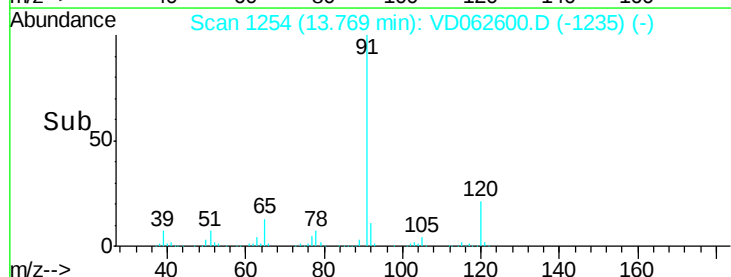
91 100

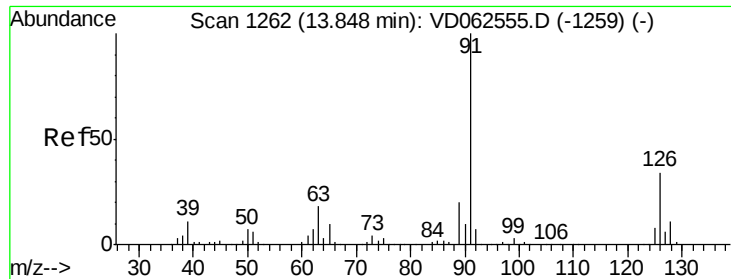
120 20.7 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.771 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

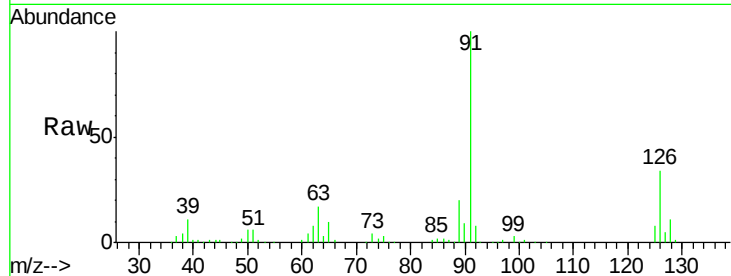
VD0604SBSD01

Tot Ion: 91 Resp: 442458

Ion Ratio Lower Upper

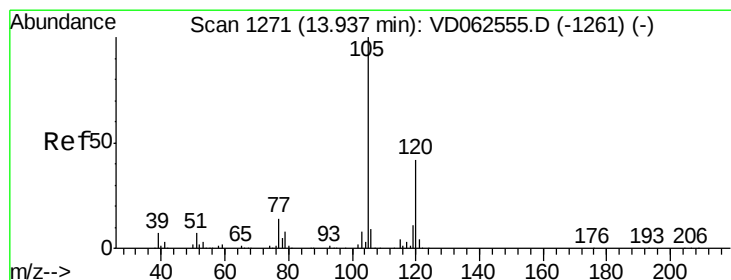
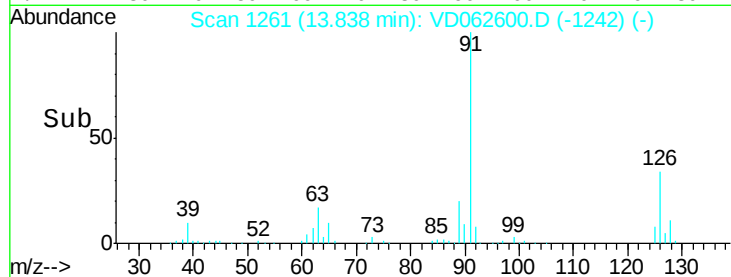
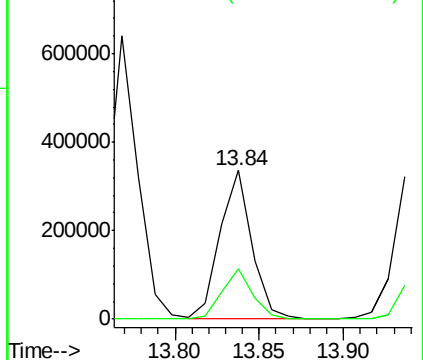
91 100

126 33.6 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VD062555.D (-1259) (-)

Ion 125.95 (125.65 to 126.65): VD062555.D (-1259) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.968 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062600.D

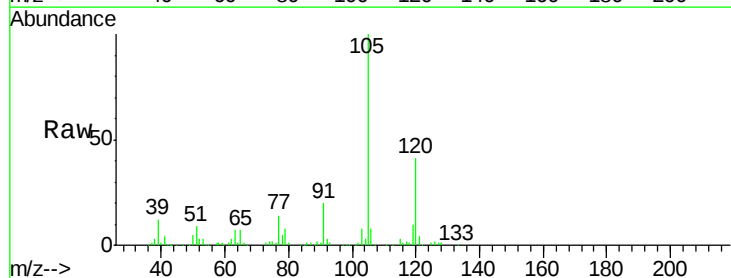
Acq: 4 Jun 2019 16:11

Tgt Ion:105 Resp: 599950

Ion Ratio Lower Upper

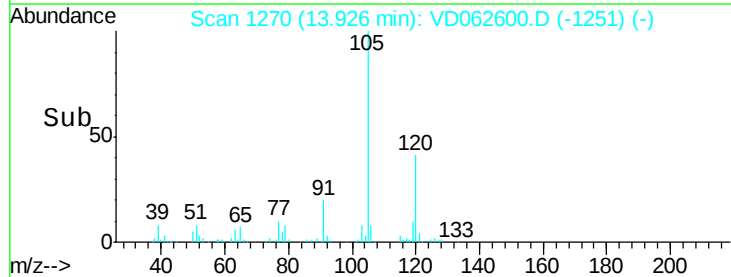
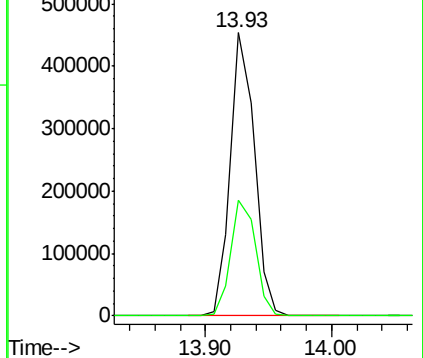
105 100

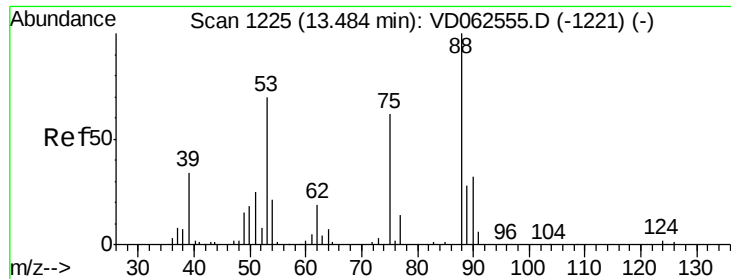
120 41.0 20.8 62.5



Abundance Ion 105.05 (104.75 to 105.75): VD062555.D (-1261) (-)

Ion 120.05 (119.75 to 120.75): VD062555.D (-1261) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.637 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBSD01

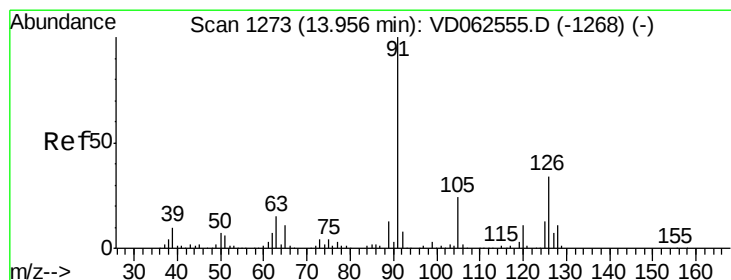
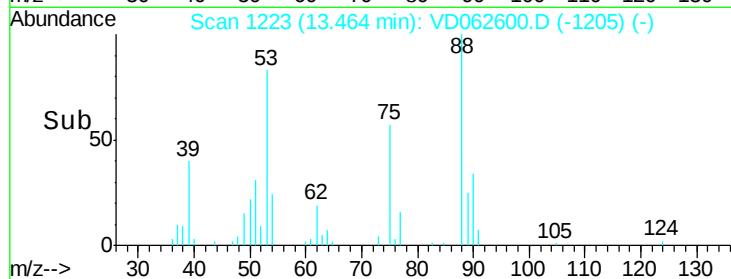
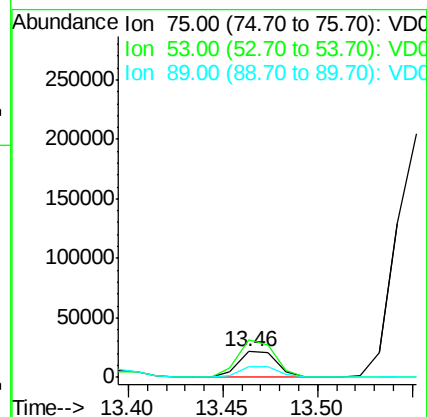
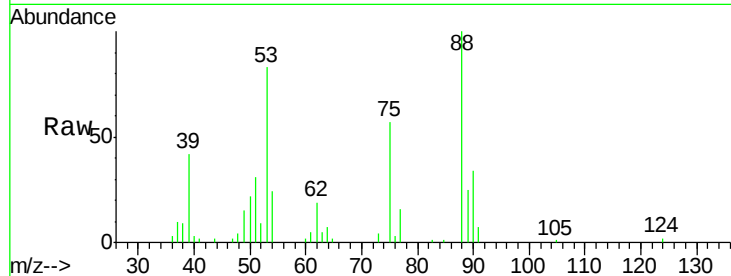
Tot Ion: 75 Resp: 30795

Ion Ratio Lower Upper

75 100

53 145.9 91.0 136.4#

89 44.0 36.9 55.3



#82

4-Chlorotoluene

Concen: 21.420 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VD062600.D

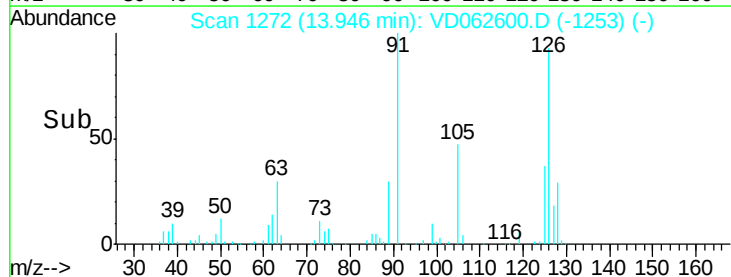
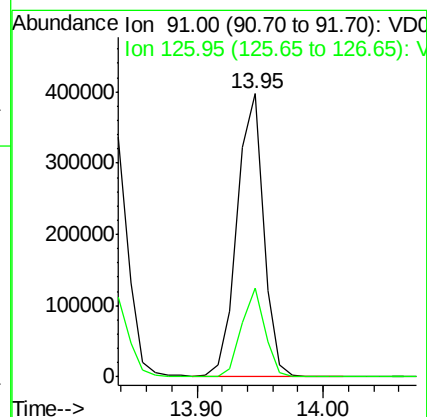
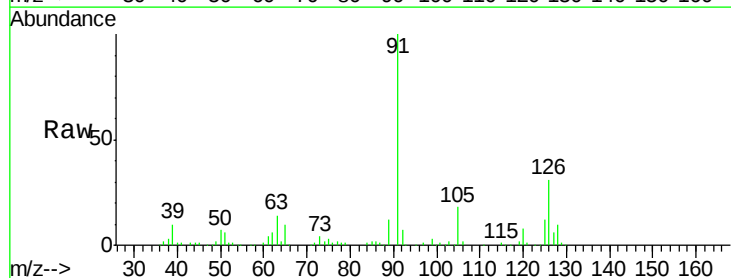
Acq: 4 Jun 2019 16:11

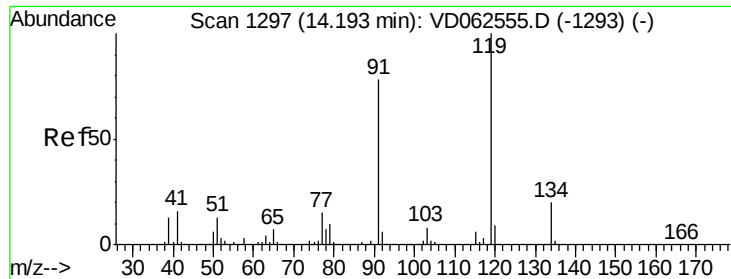
Tgt Ion: 91 Resp: 573883

Ion Ratio Lower Upper

91 100

126 31.3 16.9 50.7

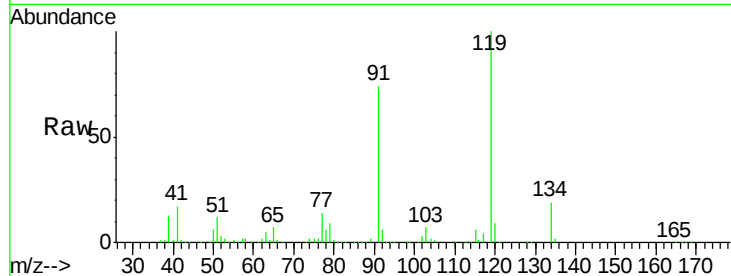




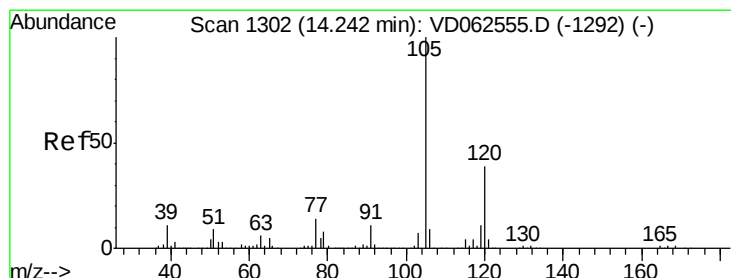
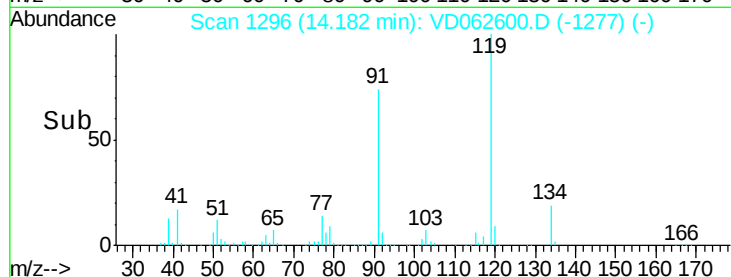
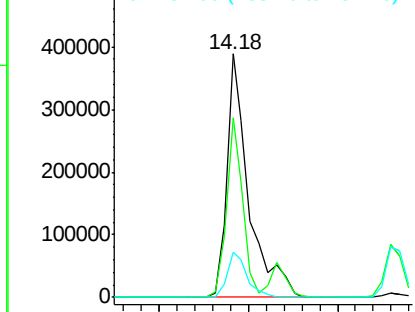
#83
tert-Butylbenzene
Concen: 20.954 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

Tot Ion:119 Resp: 668999
Ion Ratio Lower Upper
119 100
91 74.0 39.1 117.5
134 18.5 10.1 30.3

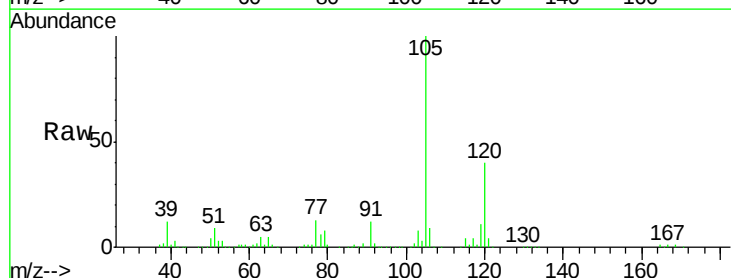


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

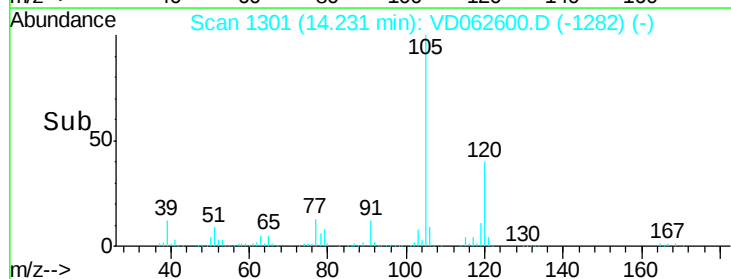
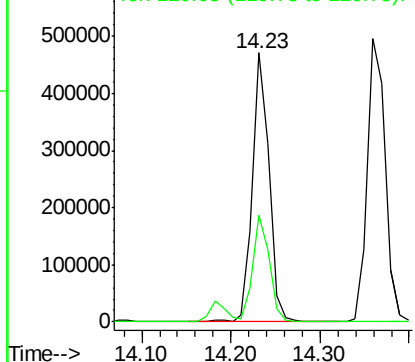


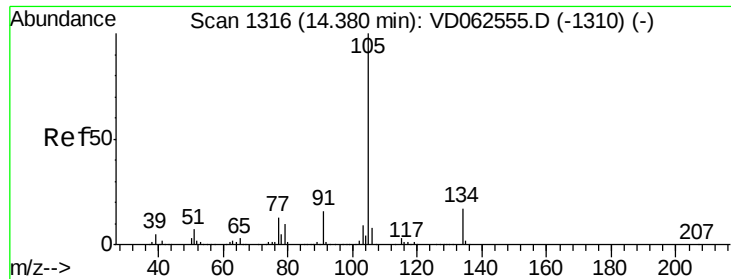
#84
1,2,4-Trimethylbenzene
Concen: 20.673 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion:105 Resp: 602744
Ion Ratio Lower Upper
105 100
120 39.8 19.6 58.8



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





#85

sec-Butylbenzene

Concen: 20.113 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

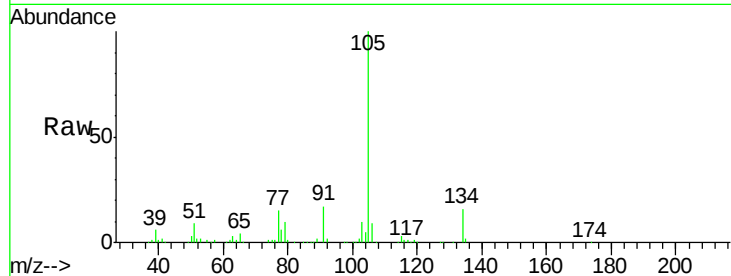
VD0604SBSD01

Tot Ion:105 Resp: 680235

Ion Ratio Lower Upper

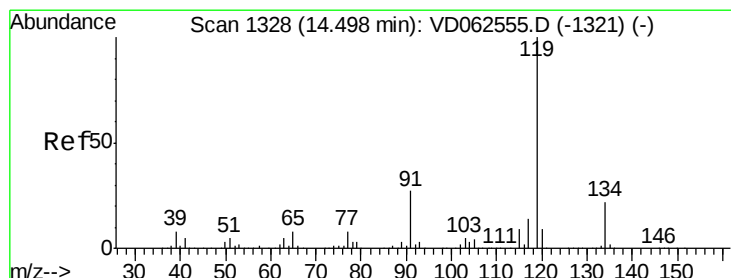
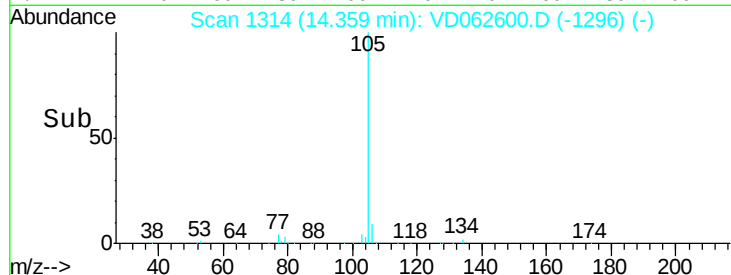
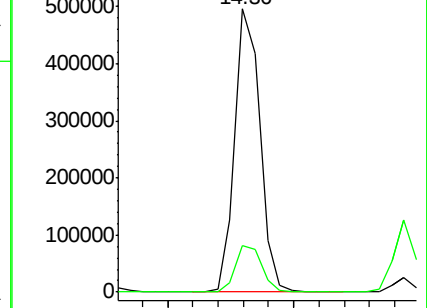
105 100

134 16.3 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.640 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

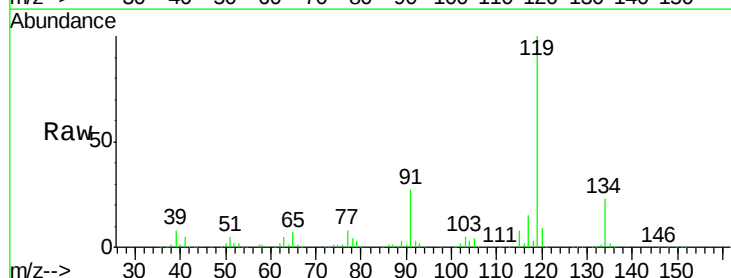
Tgt Ion:119 Resp: 652202

Ion Ratio Lower Upper

119 100

134 22.7 11.2 33.6

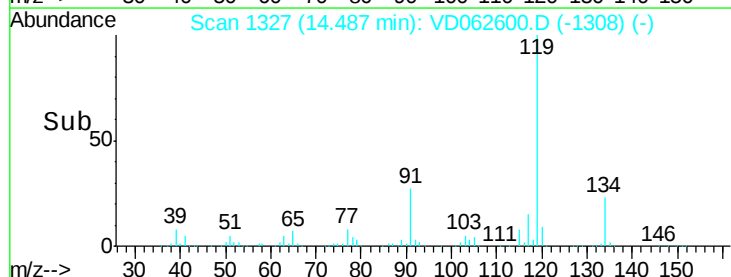
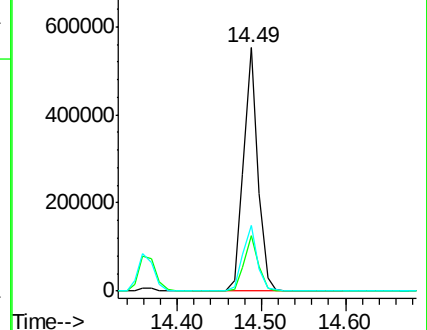
91 27.0 13.6 40.7

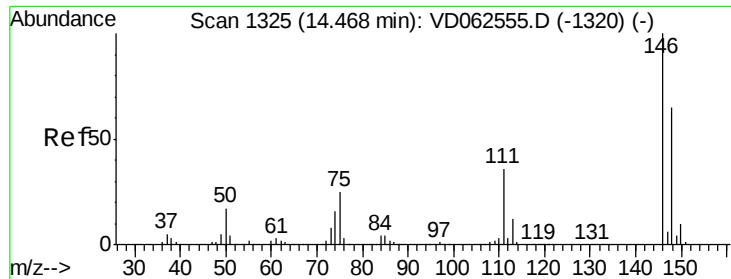


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

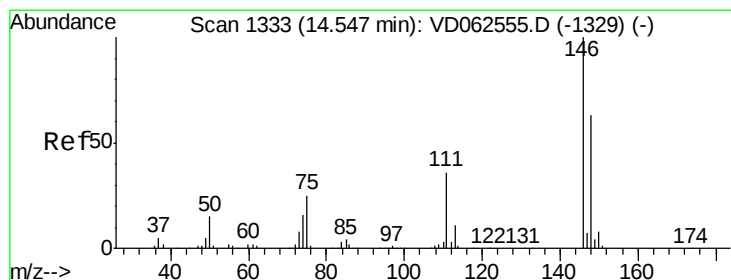
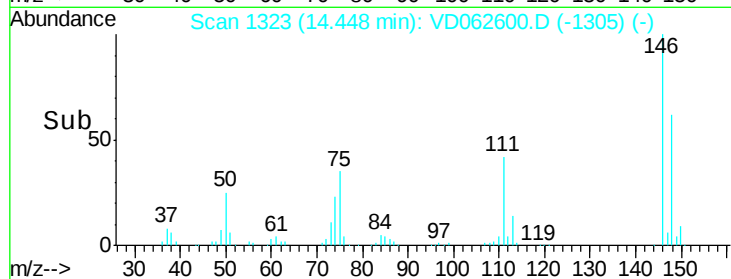
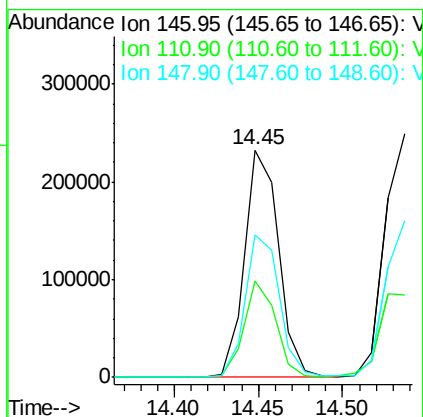
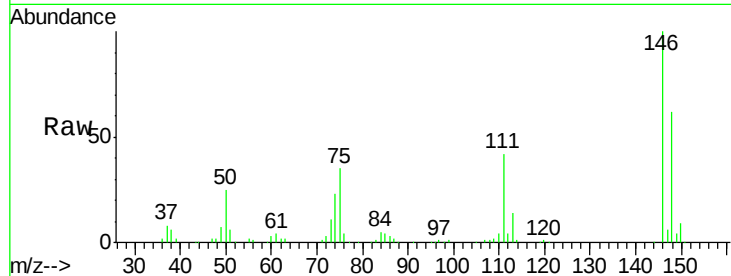




#87
 1,3-Dichlorobenzene
 Concen: 20.588 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

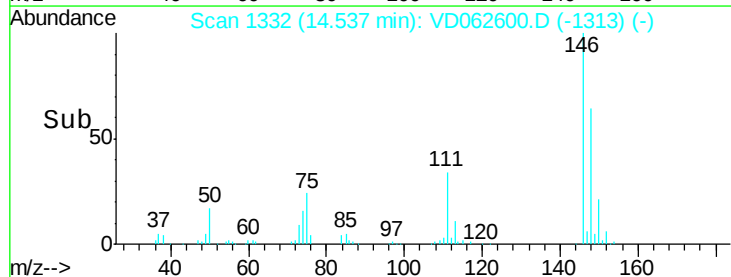
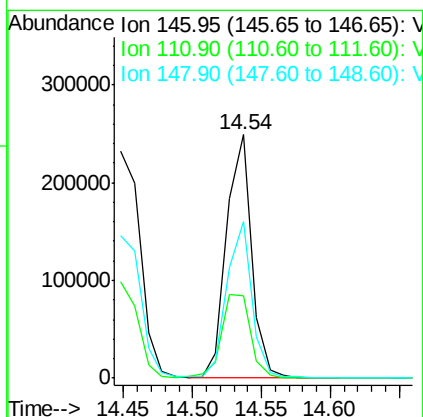
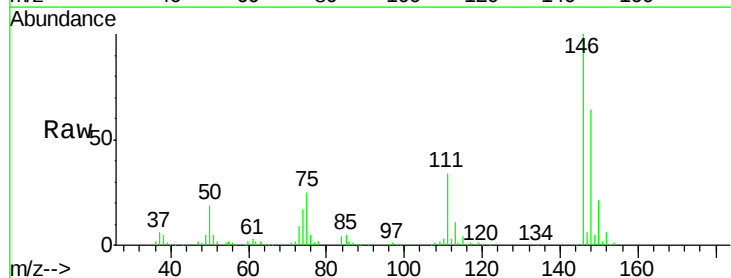
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0604SBSD01

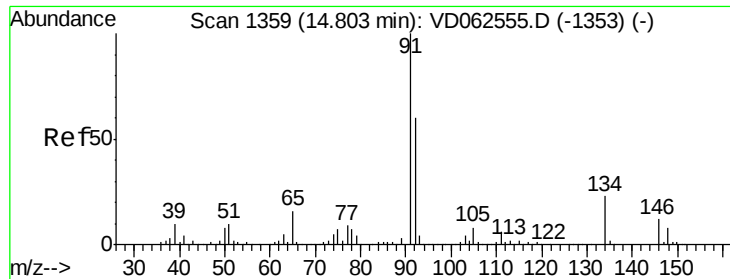
Tot Ion:146 Resp: 327655
 Ion Ratio Lower Upper
 146 100
 111 42.4 18.1 54.4
 148 62.4 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 19.734 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

Tgt Ion:146 Resp: 314725
 Ion Ratio Lower Upper
 146 100
 111 33.8 18.2 54.6
 148 64.2 31.6 94.8





#89

n-Butylbenzene

Concen: 21.779 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBS01

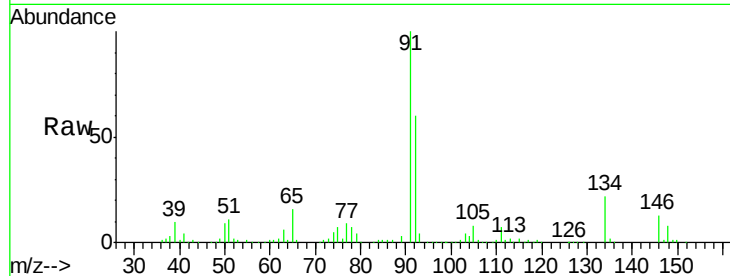
Tot Ion: 91 Resp: 614337

Ion Ratio Lower Upper

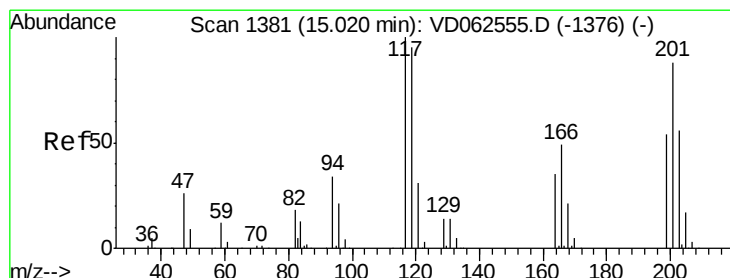
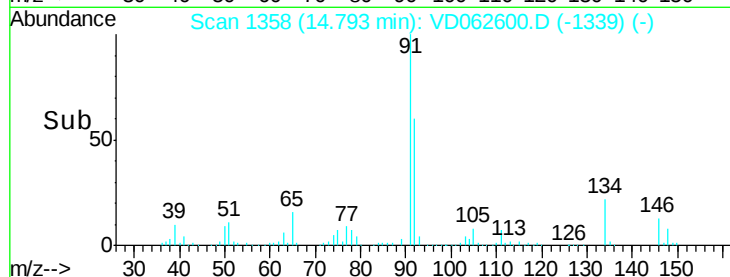
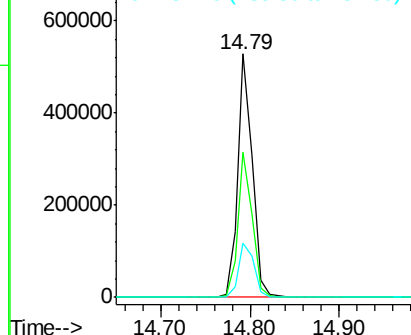
91 100

92 59.8 29.8 89.4

134 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.852 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD062600.D

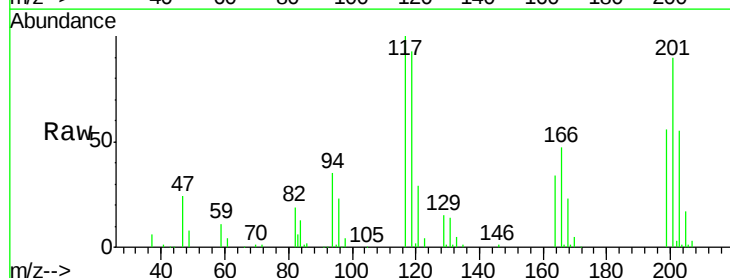
Acq: 4 Jun 2019 16:11

Tgt Ion: 117 Resp: 166423

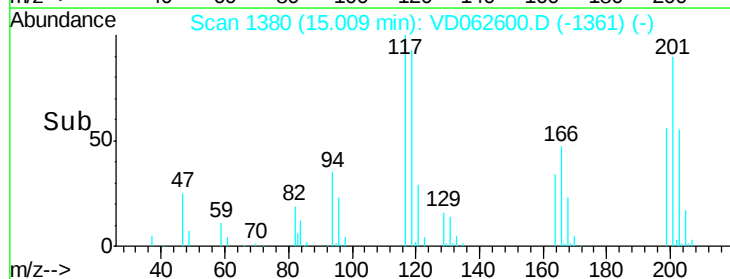
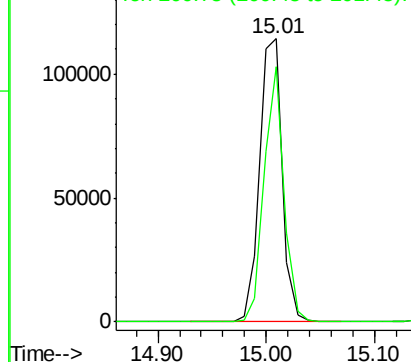
Ion Ratio Lower Upper

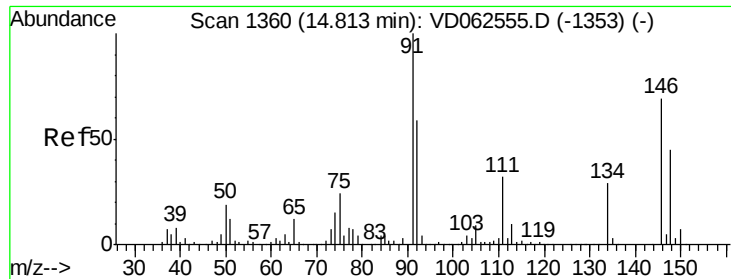
117 100

201 90.0 43.8 131.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 21.923 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

VD0604SBSD01

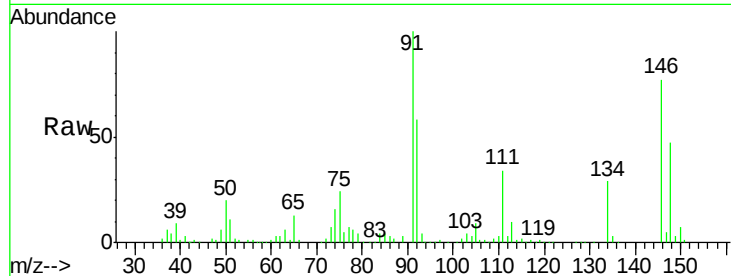
Tot Ion:146 Resp: 293499

Ion Ratio Lower Upper

146 100

111 43.6 22.8 68.4

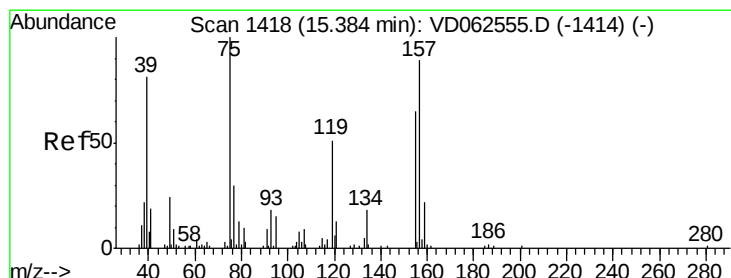
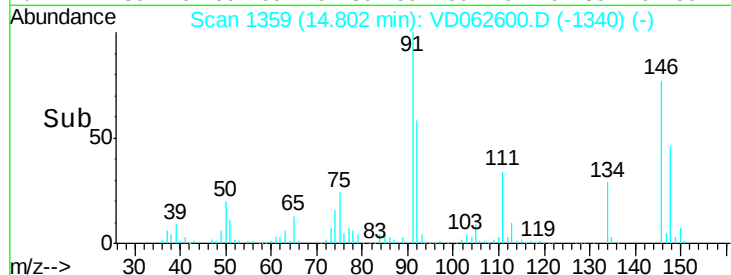
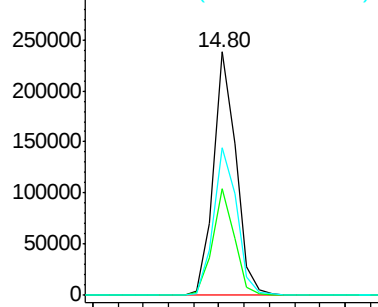
148 60.6 32.3 96.9



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: 19.230 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VD062600.D

Acq: 4 Jun 2019 16:11

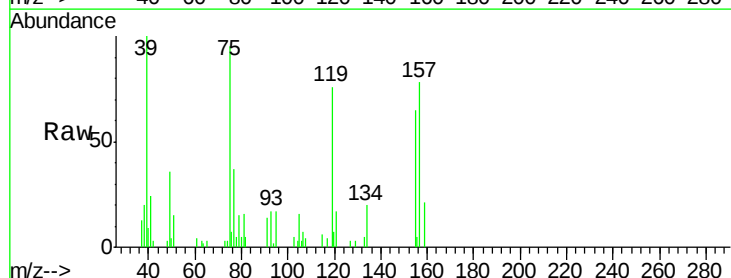
Tgt Ion: 75 Resp: 21175

Ion Ratio Lower Upper

75 100

155 68.6 32.6 97.8

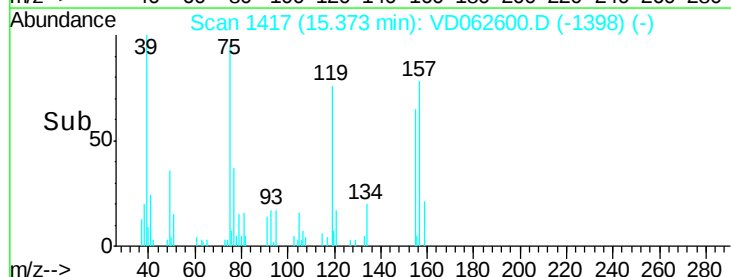
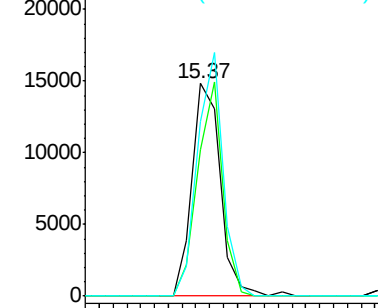
157 82.0 44.5 133.7

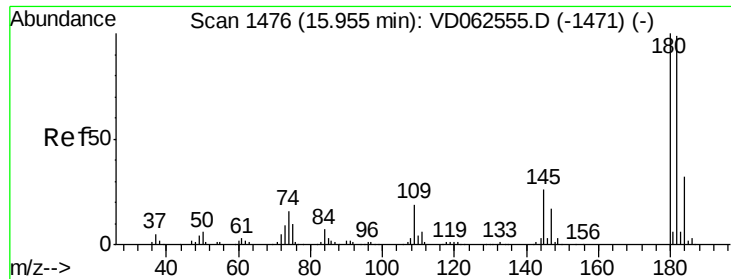


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

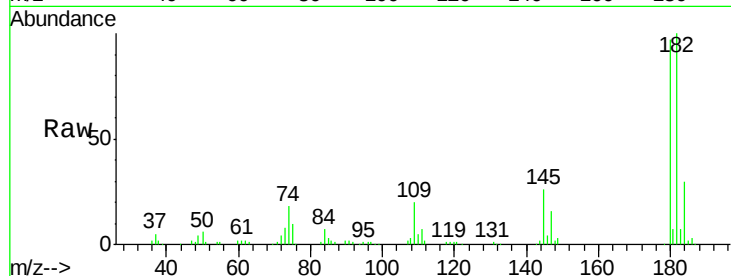




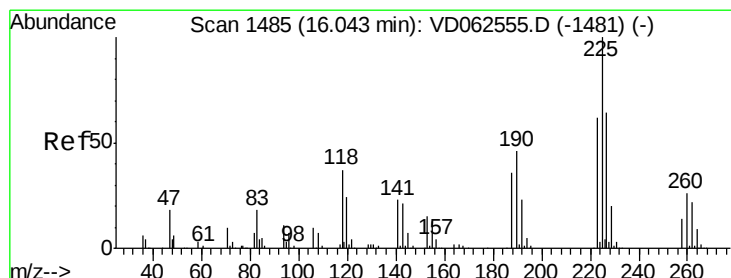
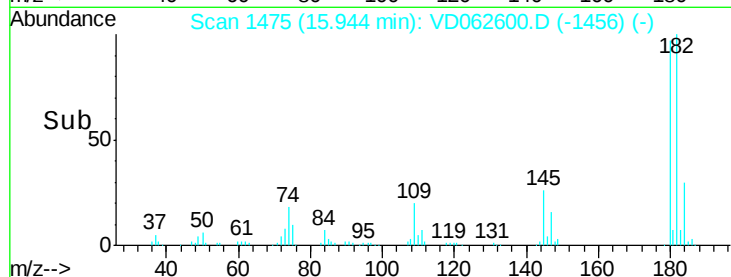
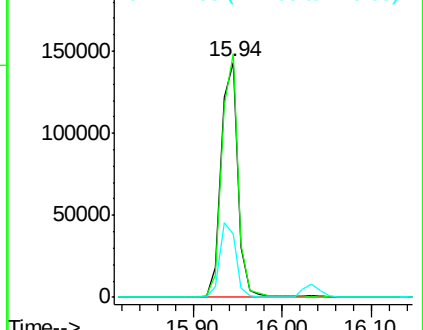
#93
 1,2,4-Trichlorobenzene
 Concen: 18.032 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0604SBS01

Tot Ion:180 Resp: 193033
 Ion Ratio Lower Upper
 180 100
 182 103.6 49.5 148.3
 145 26.9 13.1 39.3

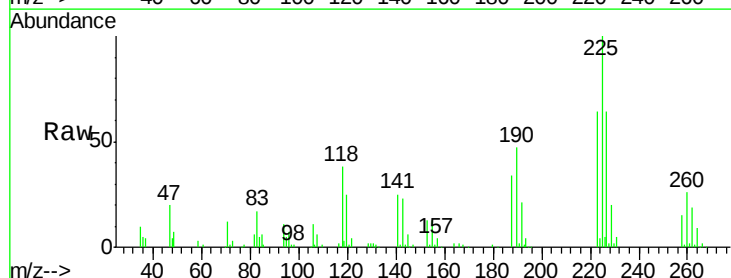


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

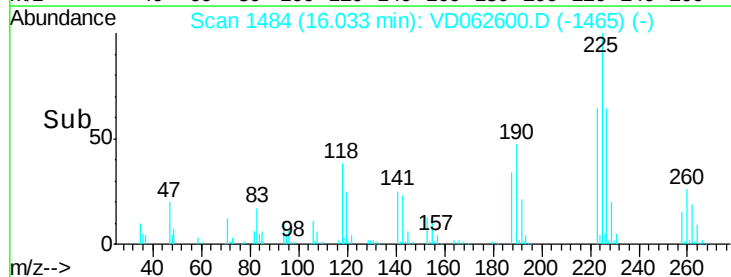
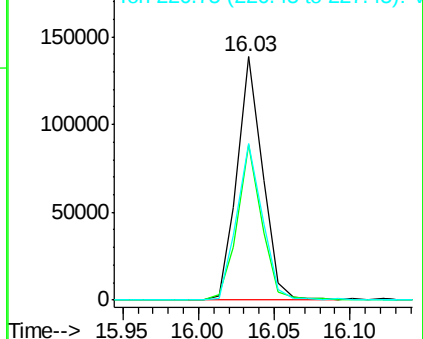


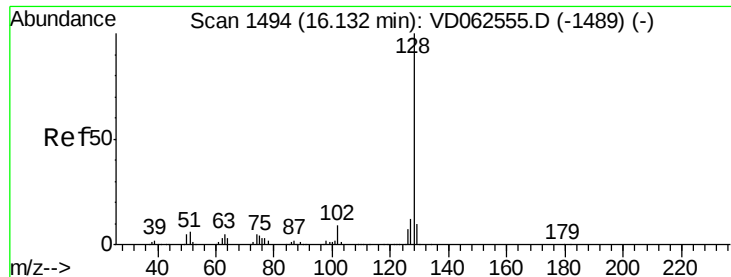
#94
 Hexachlorobutadiene
 Concen: 20.565 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062600.D
 Acq: 4 Jun 2019 16:11

Tgt Ion:225 Resp: 162520
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.1 93.5
 227 64.2 32.1 96.5



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

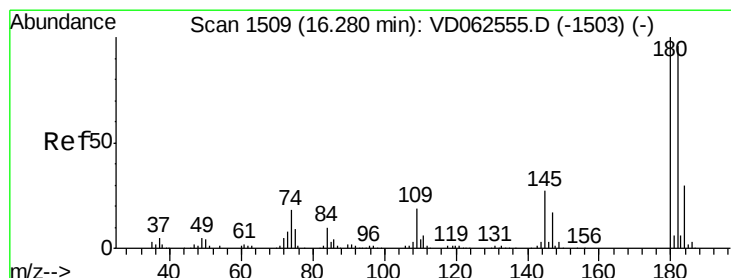
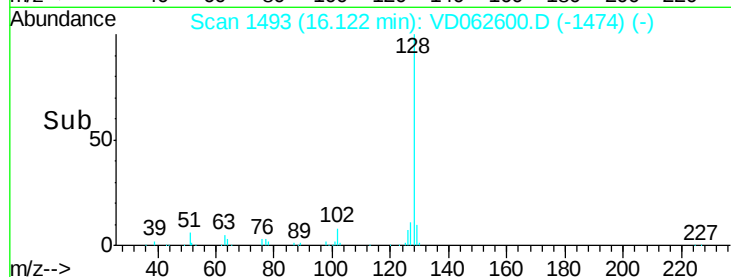
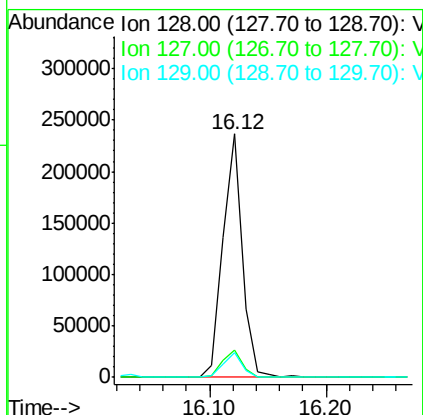
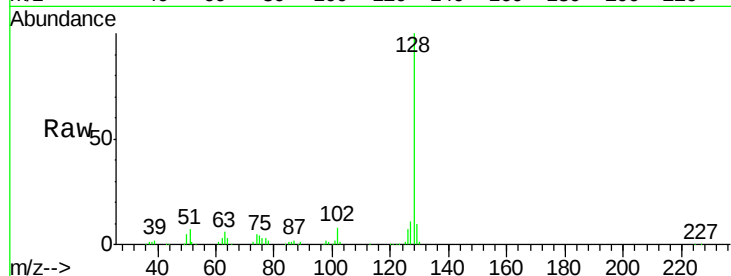




#95
Naphthalene
Concen: 18.784 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Instrument :
MSVOA_D
ClientSampleId :
VD0604SBSD01

Tot Ion:128 Resp: 273849
Ion Ratio Lower Upper
128 100
127 11.4 9.7 14.5
129 10.0 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 18.936 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD062600.D
Acq: 4 Jun 2019 16:11

Tgt Ion:180 Resp: 151420
Ion Ratio Lower Upper
180 100
182 98.4 48.1 144.3
145 29.1 13.3 39.9

