

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062131.D
 Acq On : 6 May 2019 15:26
 Operator : FY/SY
 Sample : VD0506SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Quant Time: May 07 05:09:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	531766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	853539	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	787048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	349802	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	178701	42.94	ug/l	0.00
Spiked Amount			Recovery	=	85.88%	
35) Dibromofluoromethane	6.91	113	263464	44.63	ug/l	-0.02
Spiked Amount			Recovery	=	89.26%	
50) Toluene-d8	10.41	98	573602	40.84	ug/l	0.00
Spiked Amount			Recovery	=	81.68%	
62) 4-Bromofluorobenzene	13.55	95	269519	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.84	62	6877	1.880	ug/l	97
5) Bromomethane	2.14	94	6516	5.322	ug/l	97
6) Chloroethane	2.25	64	7773	5.879	ug/l	96
7) Trichlorofluoromethane	2.52	101	47210	8.536	ug/l	98
8) Diethyl Ether	2.87	74	18957	12.789	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	67880	13.324	ug/l	97
10) Methyl Iodide	3.30	142	45770	10.685	ug/l	99
11) Tert butyl alcohol	4.07	59	24041	102.237	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	45149	10.416	ug/l	94
13) Acrolein	3.04	56	15547	63.722	ug/l	98
14) Allyl chloride	3.62	41	75063	12.682	ug/l	95
15) Acrylonitrile	4.19	53	64128	88.070	ug/l	87
16) Acetone	3.21	43	82181	82.699	ug/l	97
17) Carbon Disulfide	3.37	76	57889	4.622	ug/l #	94
18) Methyl Acetate	3.64	43	30462	15.406	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	144380	16.788	ug/l	95
20) Methylene Chloride	3.81	84	71191	12.312	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	63314	12.733	ug/l	99
22) Diisopropyl ether	5.11	45	212231	15.358	ug/l	97
23) Vinyl Acetate	5.04	43	565013	78.515	ug/l	100
24) 1,1-Dichloroethane	4.98	63	119449	14.302	ug/l	98
25) 2-Butanone	6.06	43	100730	83.605	ug/l	93
26) 2,2-Dichloropropane	6.02	77	114211	15.675	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	81318	14.376	ug/l	96
28) Bromochloromethane	6.43	49	59798	18.712	ug/l	98
29) Tetrahydrofuran	6.45	42	45477	76.605	ug/l	94
30) Chloroform	6.66	83	144802	15.264	ug/l	98
31) Cyclohexane	6.95	56	62764	10.124	ug/l	94
32) 1,1,1-Trichloroethane	6.87	97	124844	15.125	ug/l	97
36) 1,1-Dichloropropene	7.14	75	94595	14.225	ug/l	98
37) Ethyl Acetate	6.18	43	46329	16.349	ug/l #	91
38) Carbon Tetrachloride	7.10	117	127361	15.114	ug/l	92
39) Methylcyclohexane	8.86	83	86686	13.212	ug/l	96
40) Benzene	7.45	78	227794	13.837	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062131.D
 Acq On : 6 May 2019 15:26
 Operator : FY/SY
 Sample : VD0506SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Quant Time: May 07 05:09:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Methacrylonitrile	6.43	41	55374	16.747	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	93680	16.759	ug/l	98
43) Isopropyl Acetate	9.24	43	66709	16.111	ug/l	96
44) Trichloroethene	8.53	130	92917	14.558	ug/l	100
45) 1,2-Dichloropropane	8.93	63	64424	15.425	ug/l	99
46) Dibromomethane	9.06	93	47551	15.823	ug/l #	85
47) Bromodichloromethane	9.37	83	114710	16.154	ug/l	100
48) Methyl methacrylate	9.12	41	40084	16.967	ug/l	92
49) 1,4-Dioxane	9.07	88	9683	380.176	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	218127	86.141	ug/l	98
52) Toluene	10.51	92	168348	16.038	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	100812	16.914	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	124885	17.227	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	65122	18.479	ug/l	95
56) Ethyl methacrylate	11.04	69	63795	16.345	ug/l	96
57) 1,3-Dichloropropane	11.40	76	89624	16.466	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	188472	103.861	ug/l	95
59) 2-Hexanone	11.53	43	171299	90.181	ug/l	97
60) Dibromochloromethane	11.68	129	114049	19.559	ug/l	93
61) 1,2-Dibromoethane	11.80	107	76482	18.295	ug/l	96
64) Tetrachloroethene	11.26	164	81379	14.495	ug/l	95
65) Chlorobenzene	12.40	112	233919	15.728	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	100230	15.888	ug/l	99
67) Ethyl Benzene	12.53	91	380068	15.657	ug/l	98
68) m/p-Xylenes	12.66	106	257361	29.334	ug/l	96
69) o-Xylene	13.05	106	141486	17.625	ug/l	98
70) Styrene	13.07	104	227803	16.435	ug/l	98
71) Bromoform	13.23	173	65122	18.107	ug/l #	99
73) Isopropylbenzene	13.40	105	418813	17.948	ug/l	100
74) N-amyl acetate	13.26	43	101828	16.945	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	81122	17.741	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	70783	15.935	ug/l	95
77) Bromobenzene	13.67	156	116304	17.375	ug/l	95
78) n-propylbenzene	13.78	91	474113	17.749	ug/l	100
79) 2-Chlorotoluene	13.84	91	242746	15.003	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	338123	18.173	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	21921	16.285	ug/l	94
82) 4-Chlorotoluene	13.94	91	308936	17.338	ug/l	90
83) tert-Butylbenzene	14.19	119	388307	18.016	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	332151	18.696	ug/l	97
85) sec-Butylbenzene	14.37	105	420680	18.063	ug/l	100
86) p-Isopropyltoluene	14.49	119	322880	15.491	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	214077	18.263	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	197809	18.044	ug/l	96
89) n-Butylbenzene	14.80	91	350016	18.705	ug/l	97
90) Hexachloroethane	15.01	117	104458	18.534	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	182837	18.909	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12183	19.720	ug/l	87
93) 1,2,4-Trichlorobenzene	15.94	180	103621	19.861	ug/l	91
94) Hexachlorobutadiene	16.04	225	72253	18.714	ug/l	97

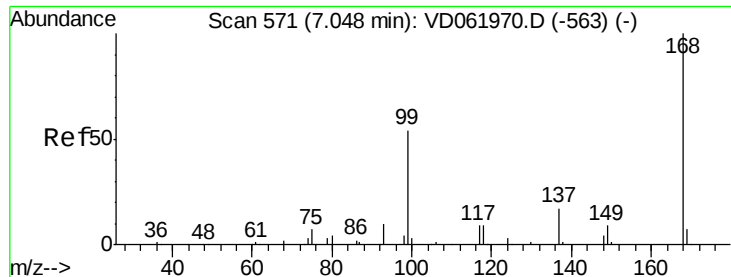
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050619\
Data File : VD062131.D
Acq On : 6 May 2019 15:26
Operator : FY/SY
Sample : VD0506SBSD01
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Quant Time: May 07 05:09:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	16.12	128	170148	20.198	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	70931	23.962	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

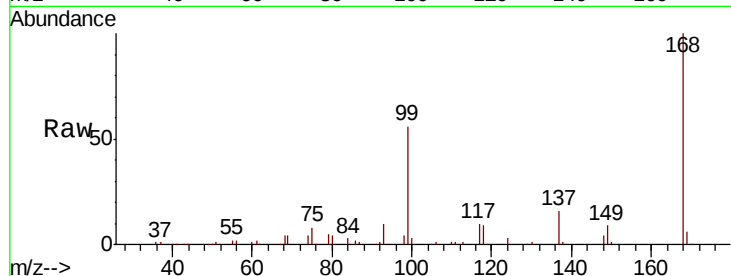
VD0506SBSD01

Tot Ion:168 Resp: 531766

Ion Ratio Lower Upper

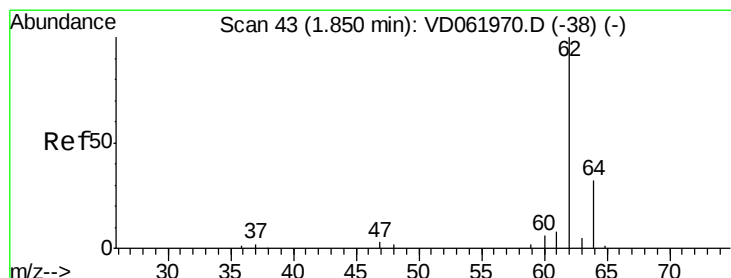
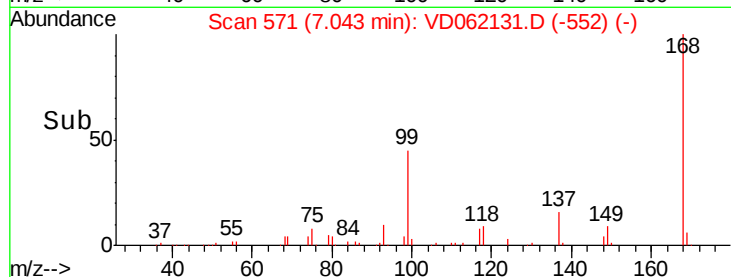
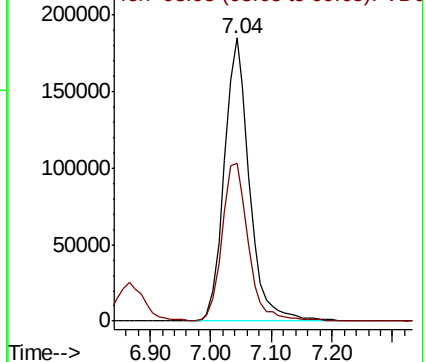
168 100

99 55.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#4

Vinyl Chloride

Concen: 1.880 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062131.D

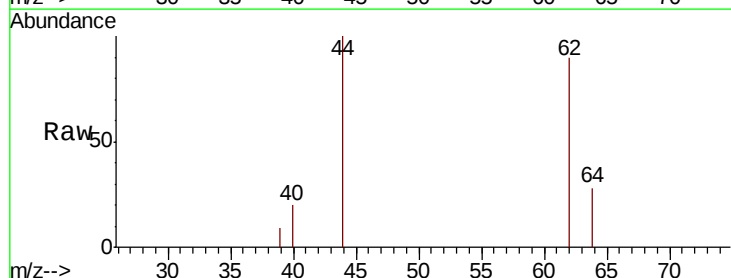
Acq: 6 May 2019 15:26

Tgt Ion: 62 Resp: 6877

Ion Ratio Lower Upper

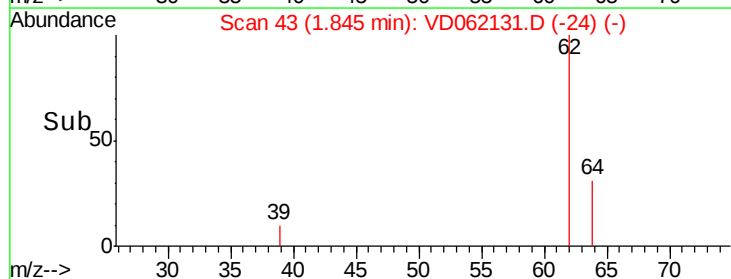
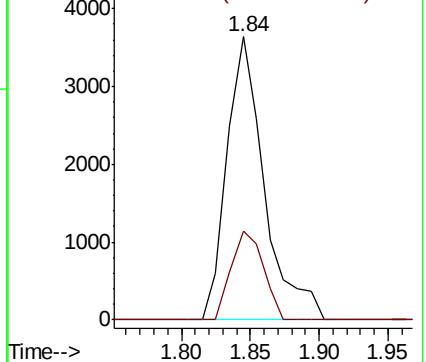
62 100

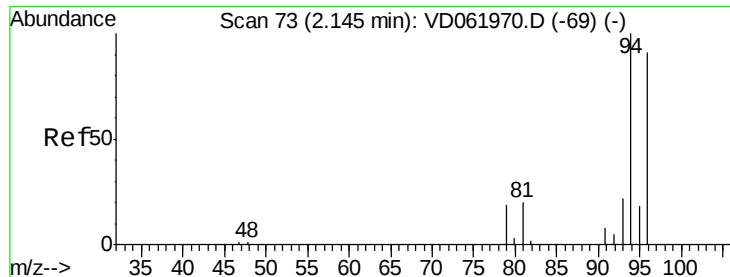
64 31.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 5.322 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

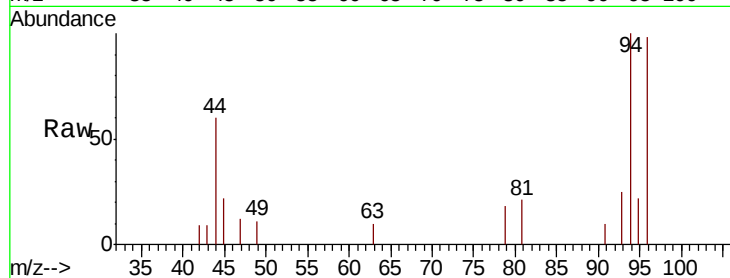
Tot Ion: 94 Resp: 6516

Ion Ratio Lower Upper

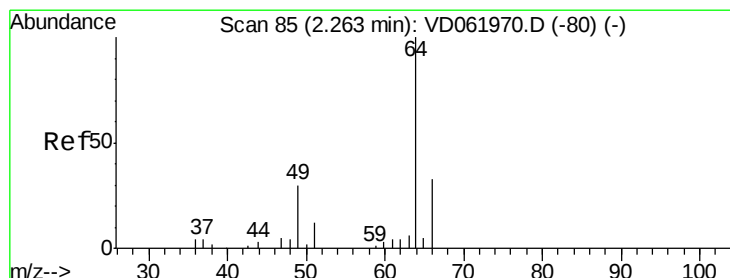
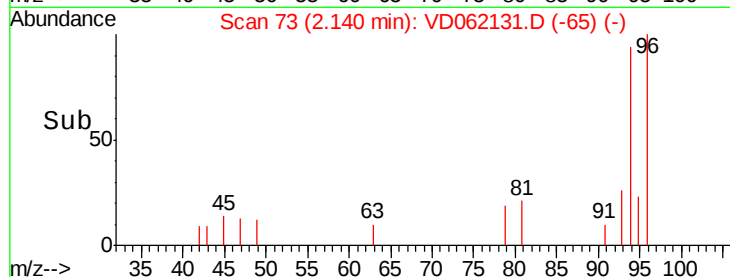
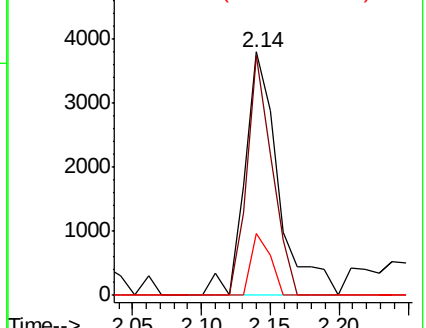
94 100

96 98.2 76.6 115.0

93 25.5 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 5.879 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.03 min

Lab File: VD062131.D

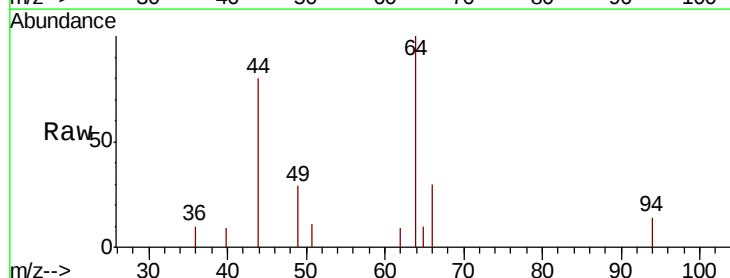
Acq: 6 May 2019 15:26

Tgt Ion: 64 Resp: 7773

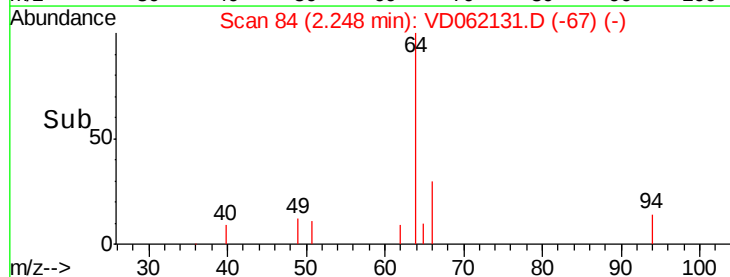
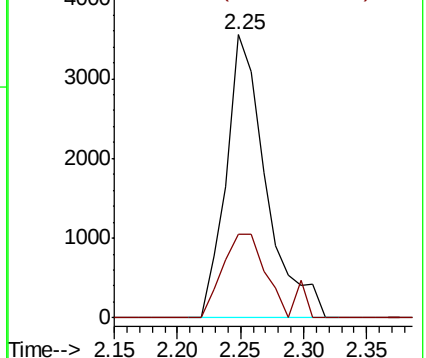
Ion Ratio Lower Upper

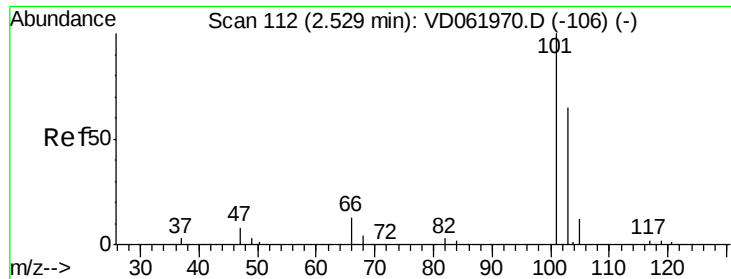
64 100

66 29.6 25.6 38.4



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



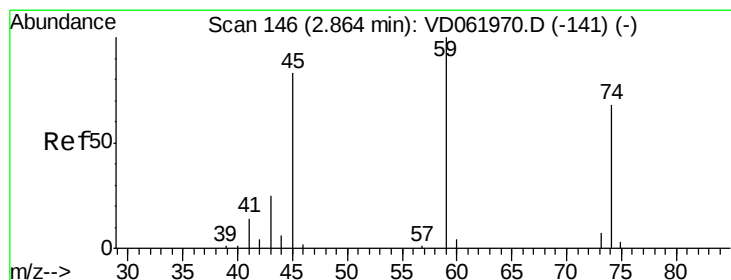
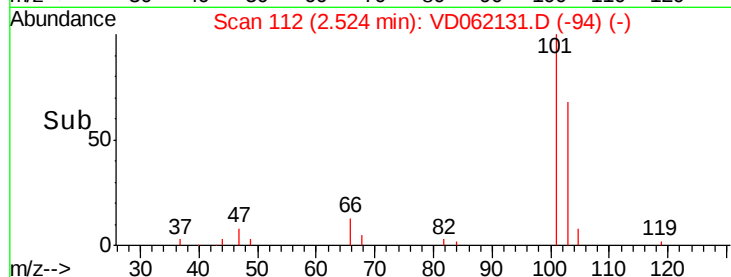
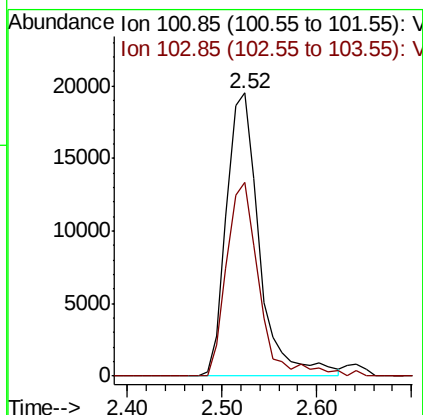
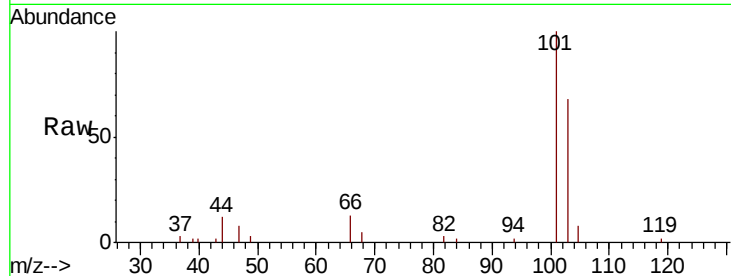


#7

Trichlorofluoromethane
 Concen: 8.536 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

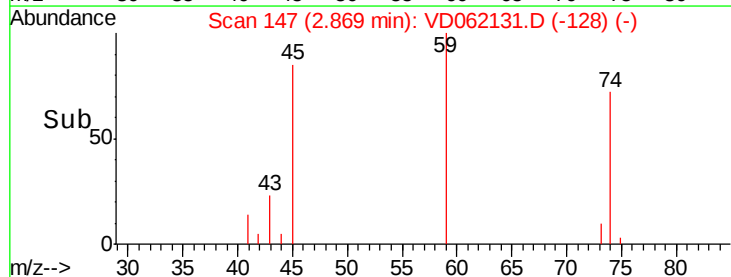
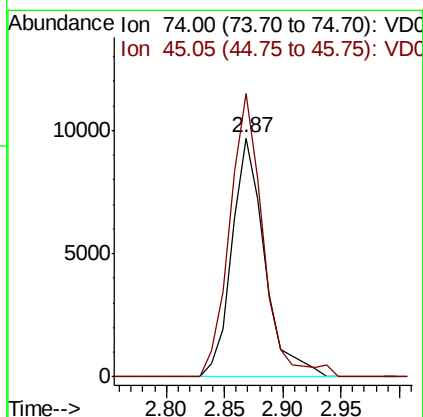
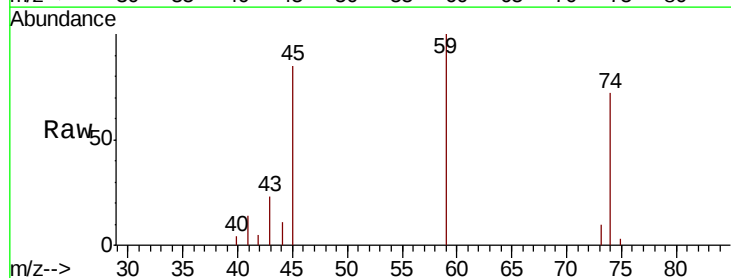
Tot Ion:101 Resp: 47210
 Ion Ratio Lower Upper
 101 100
 103 68.4 53.6 80.4

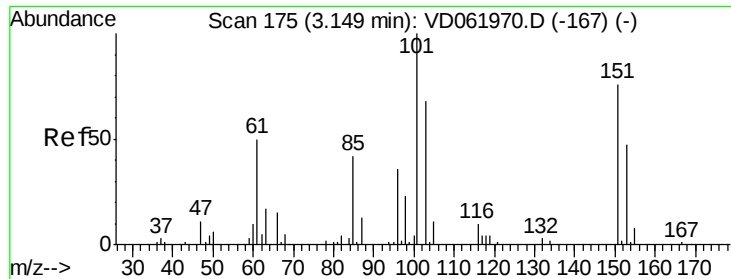


#8

Diethyl Ether
 Concen: 12.789 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Tgt Ion: 74 Resp: 18957
 Ion Ratio Lower Upper
 74 100
 45 118.6 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.324 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

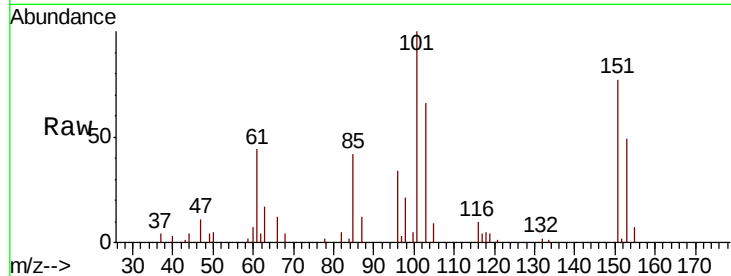
Tot Ion:101 Resp: 67880

Ion Ratio Lower Upper

101 100

85 41.9 32.4 48.6

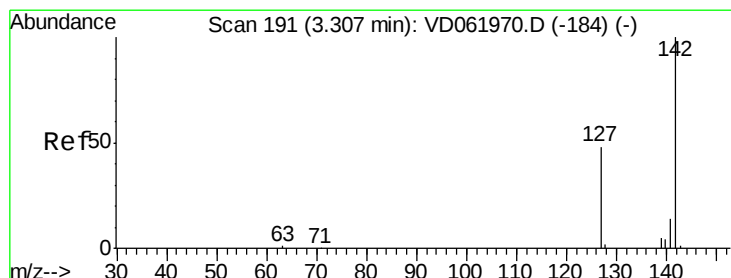
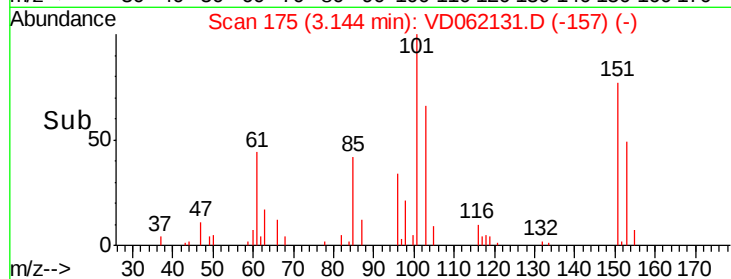
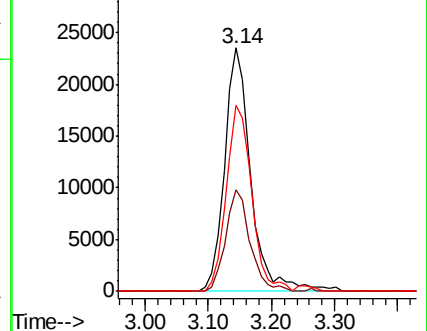
151 76.6 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 10.685 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

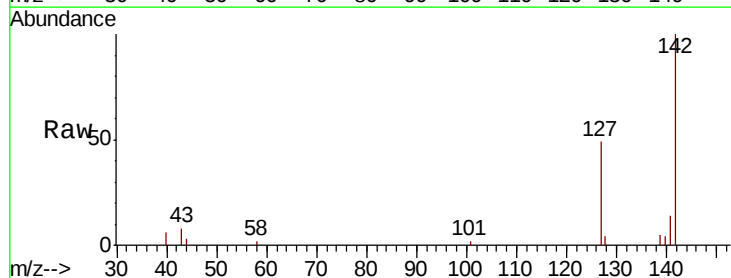
Tgt Ion:142 Resp: 45770

Ion Ratio Lower Upper

142 100

127 49.1 38.8 58.2

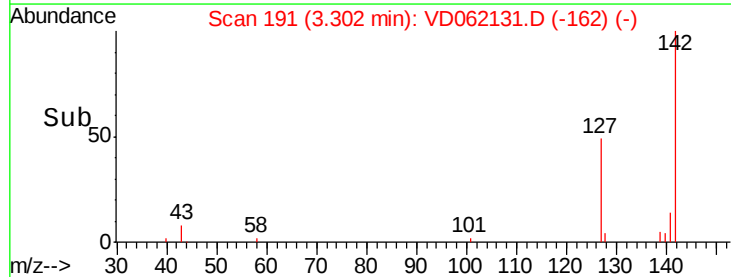
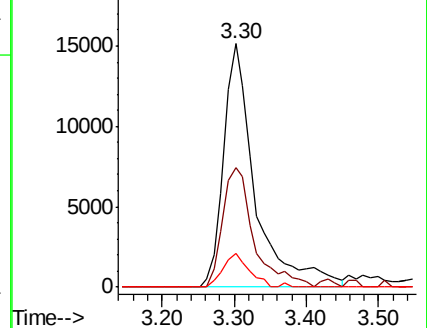
141 14.0 11.4 17.0

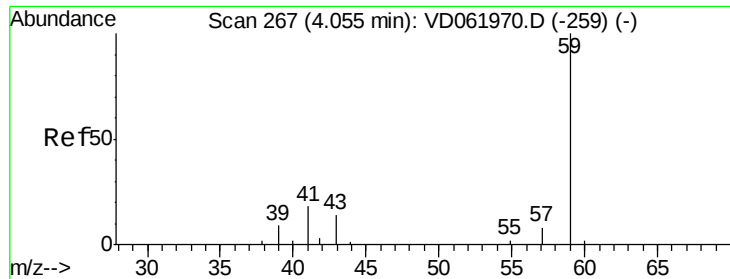


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



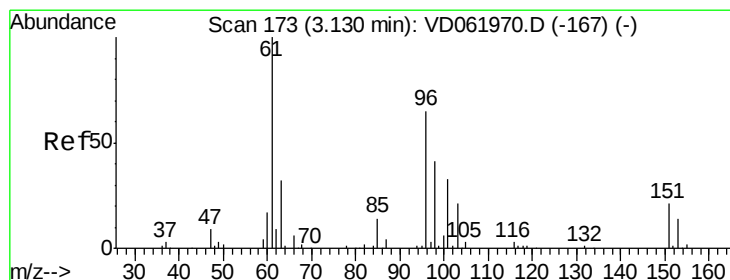
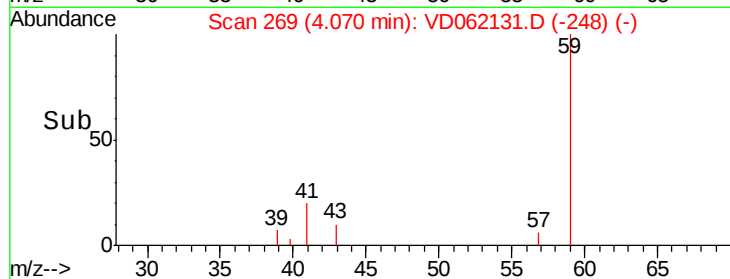
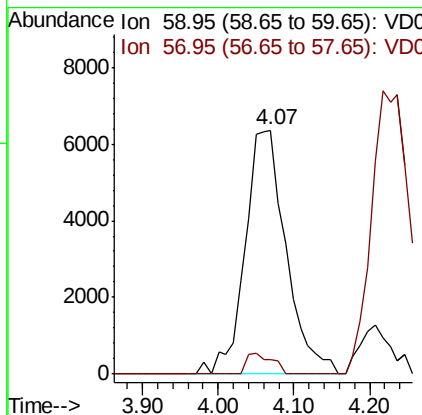
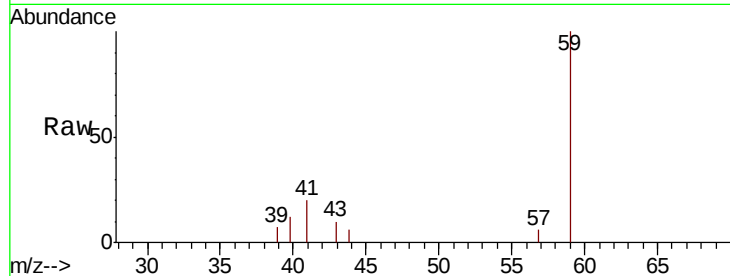


#11

Tert butyl alcohol
 Concen: 102.237 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

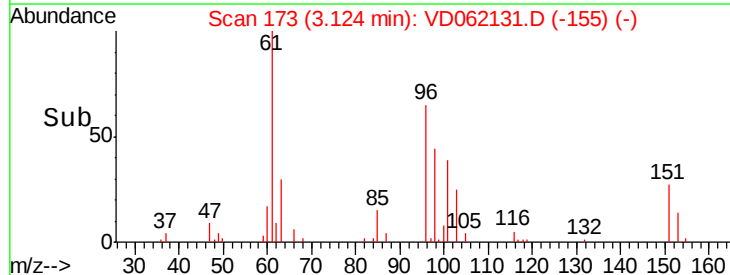
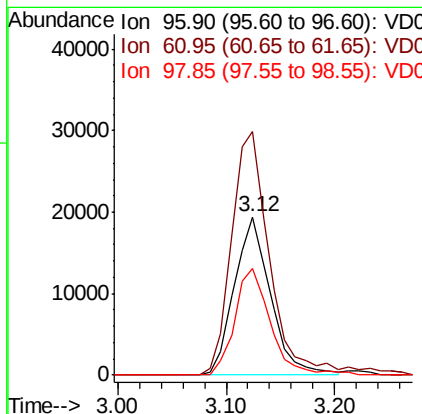
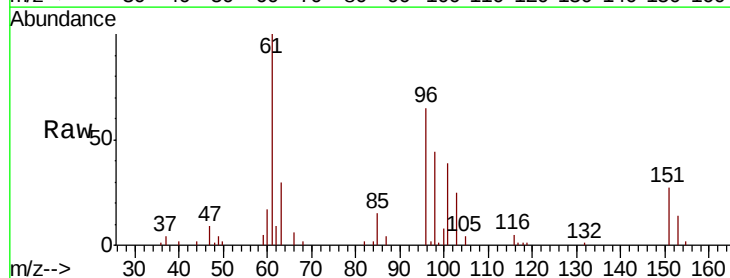
Tot Ion: 59 Resp: 24041
 Ion Ratio Lower Upper
 59 100
 57 6.2 6.9 10.3#

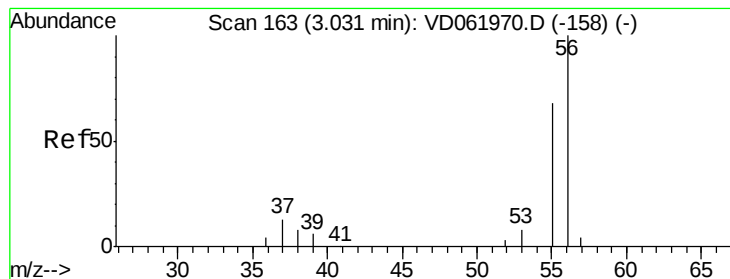


#12

1,1-Dichloroethene
 Concen: 10.416 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.02 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Tgt Ion: 96 Resp: 45149
 Ion Ratio Lower Upper
 96 100
 61 153.9 129.8 194.8
 98 67.4 51.2 76.8





#13

Acrolein

Concen: 63.722 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

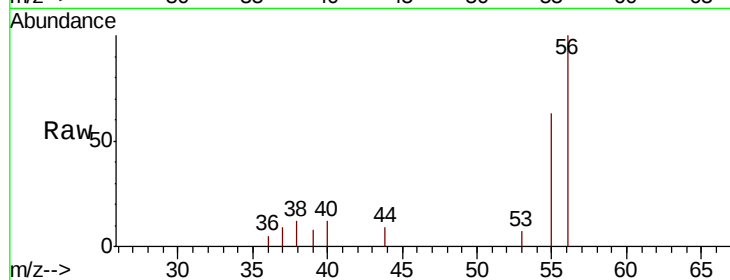
VD0506SBS01

Tot Ion: 56 Resp: 15547

Ion Ratio Lower Upper

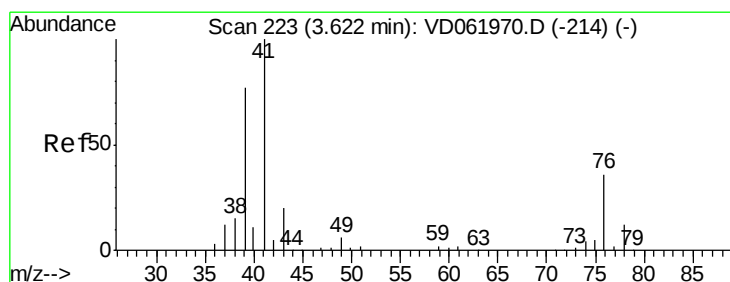
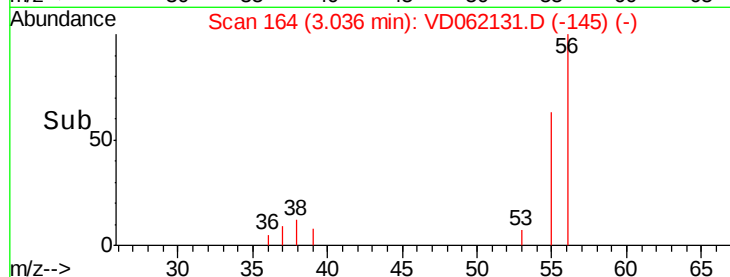
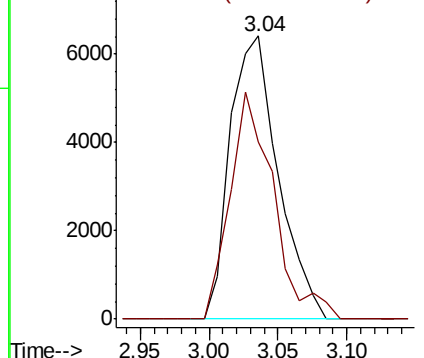
56 100

55 62.8 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 12.682 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

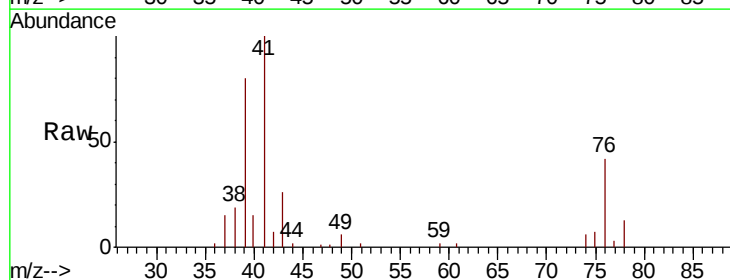
Tgt Ion: 41 Resp: 75063

Ion Ratio Lower Upper

41 100

39 80.1 60.5 90.7

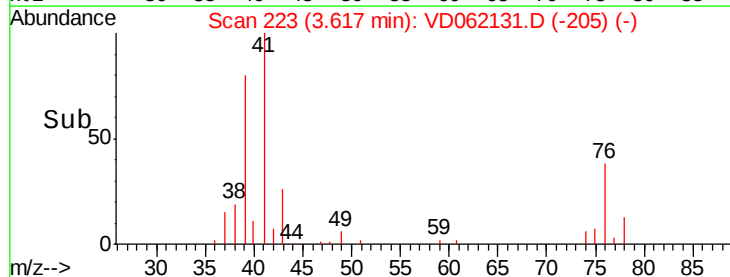
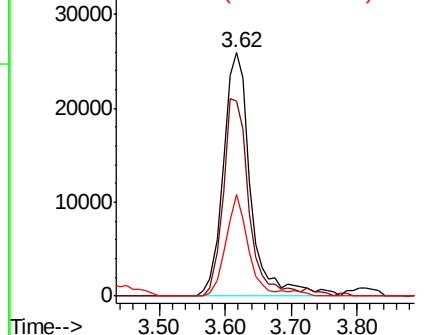
76 41.9 31.8 47.8

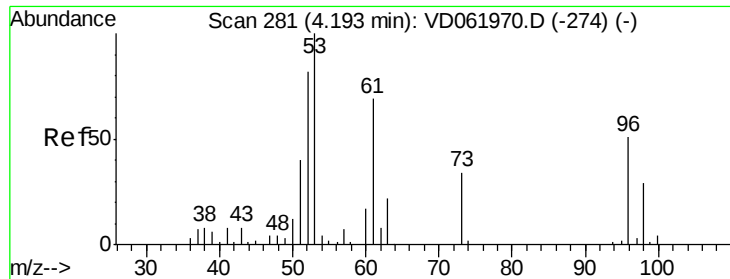


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 88.070 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

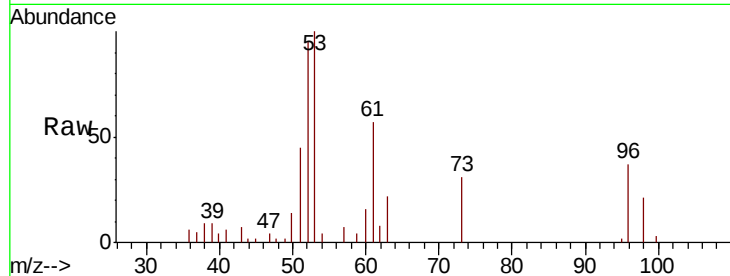
Tot Ion: 53 Resp: 64128

Ion Ratio Lower Upper

53 100

52 95.4 65.0 97.4

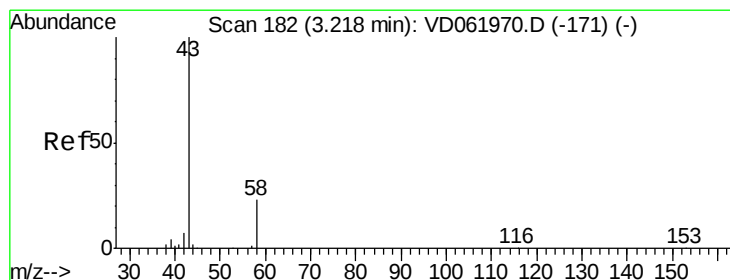
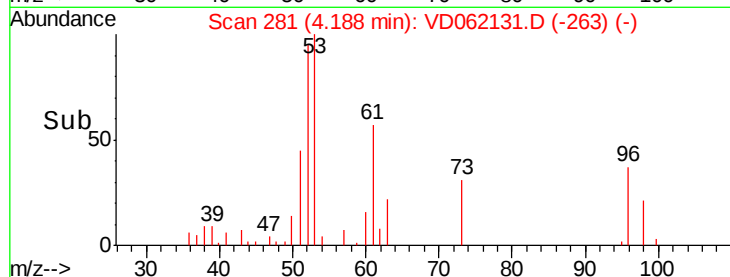
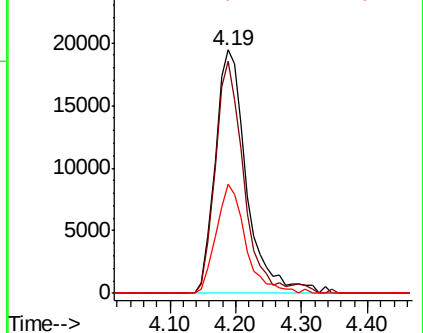
51 44.8 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 82.699 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062131.D

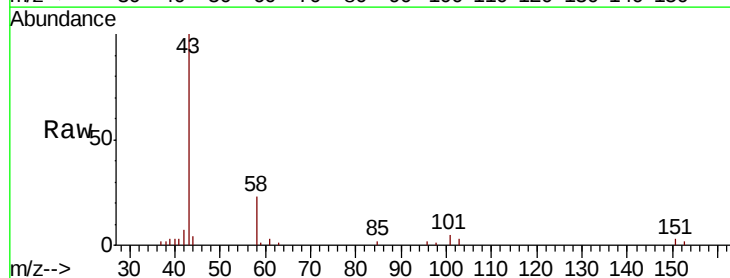
Acq: 6 May 2019 15:26

Tgt Ion: 43 Resp: 82181

Ion Ratio Lower Upper

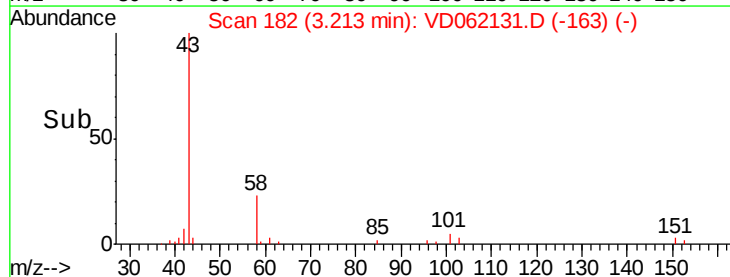
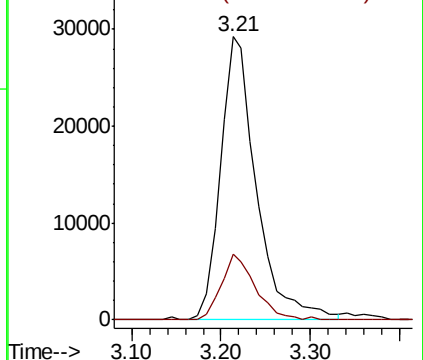
43 100

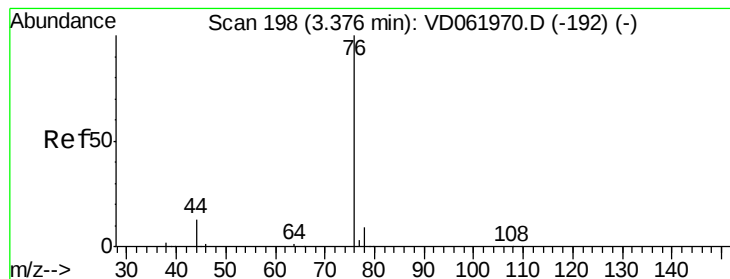
58 23.2 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 4.622 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.02 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

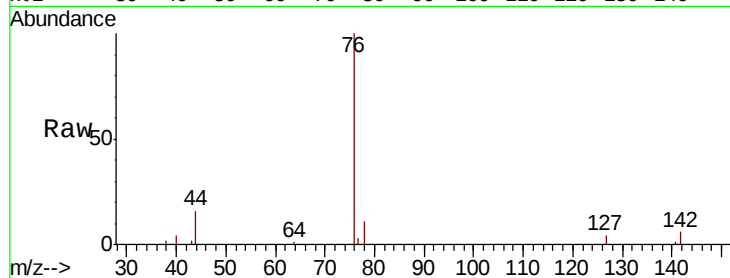
VD0506SBSD01

Tot Ion: 76 Resp: 57889

Ion Ratio Lower Upper

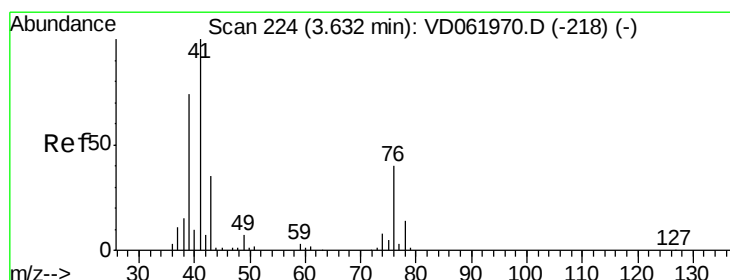
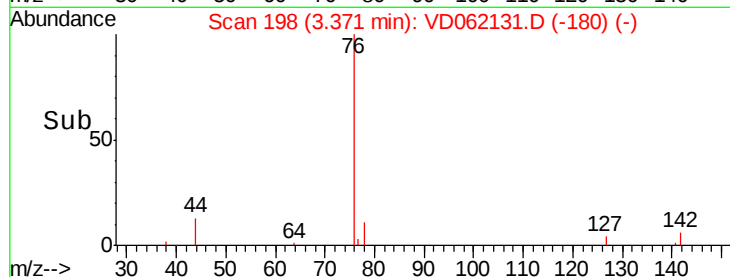
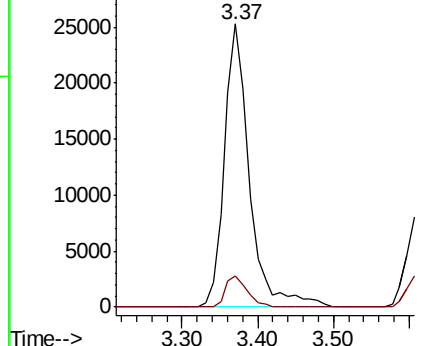
76 100

78 11.0 7.2 10.8#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 15.406 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD062131.D

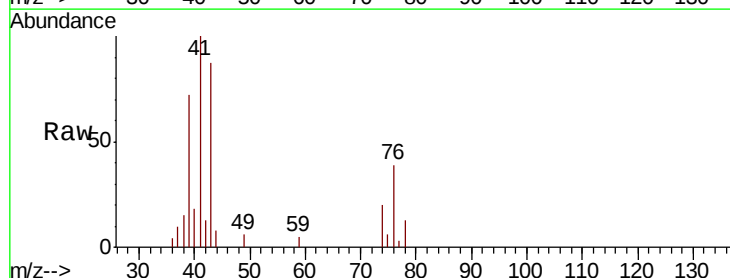
Acq: 6 May 2019 15:26

Tgt Ion: 43 Resp: 30462

Ion Ratio Lower Upper

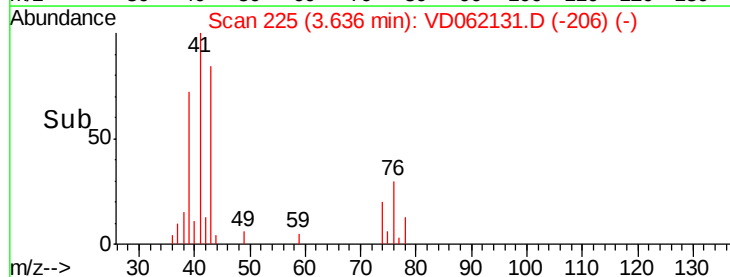
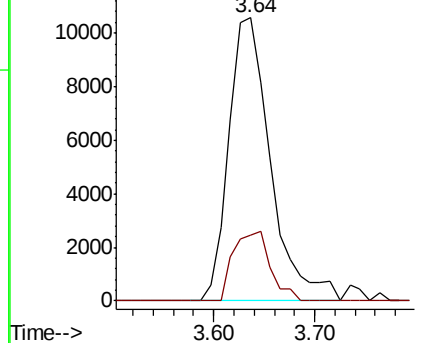
43 100

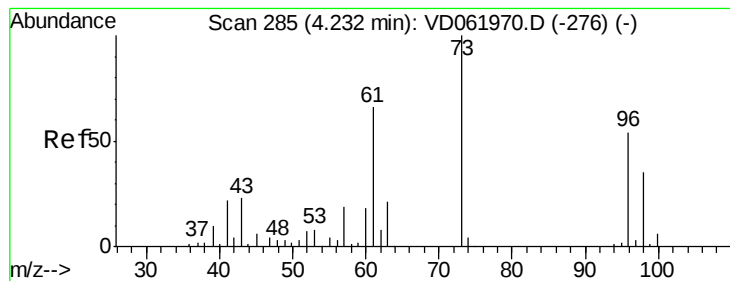
74 23.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



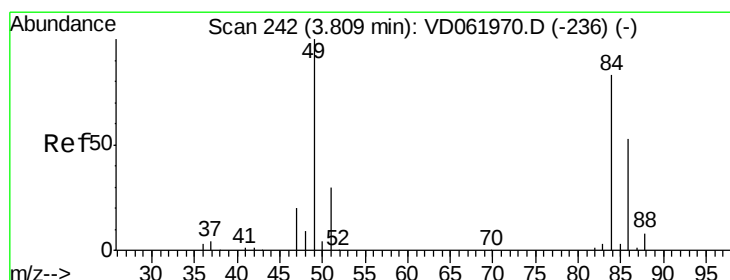
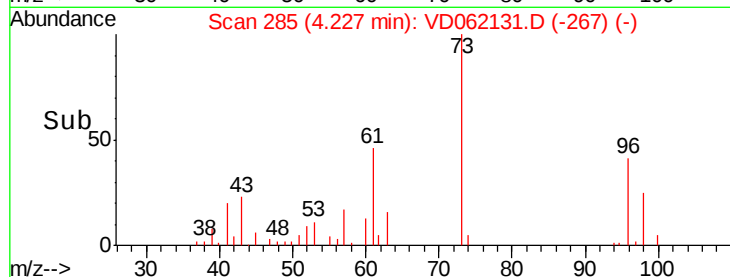
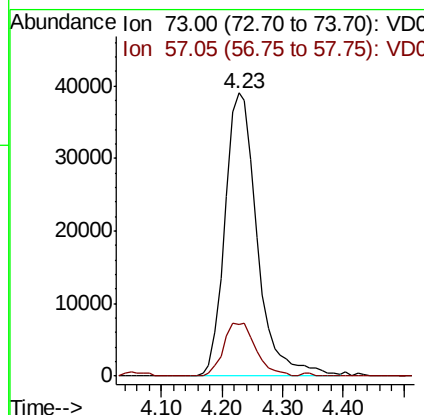
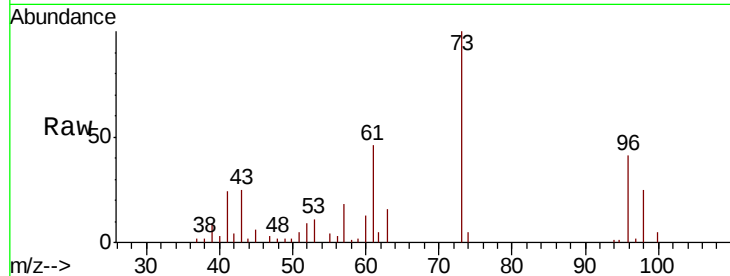


#19

Methyl tert-butyl Ether
 Concen: 16.788 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.02 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0506SBS01

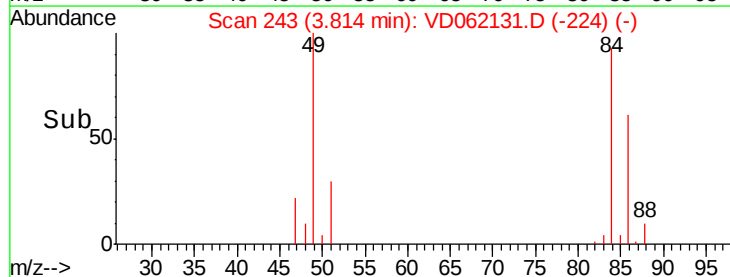
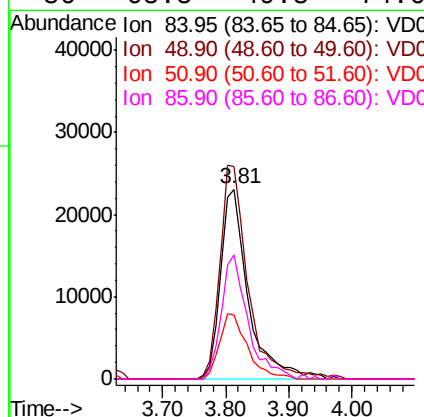
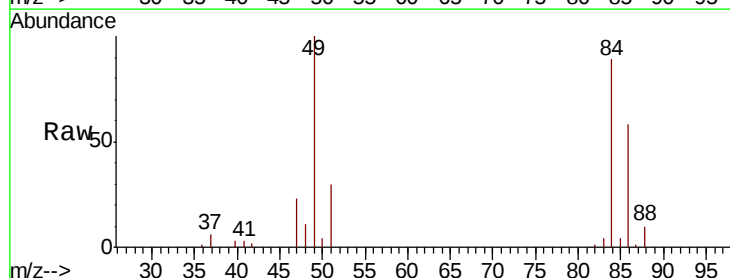
Tot Ion: 73 Resp: 144380
 Ion Ratio Lower Upper
 73 100
 57 18.2 16.3 24.5

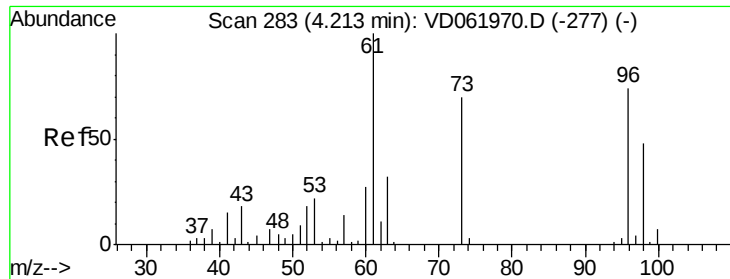


#20

Methylene Chloride
 Concen: 12.312 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Tgt Ion: 84 Resp: 71191
 Ion Ratio Lower Upper
 84 100
 49 112.0 94.0 141.0
 51 33.7 29.0 43.4
 86 65.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 12.733 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

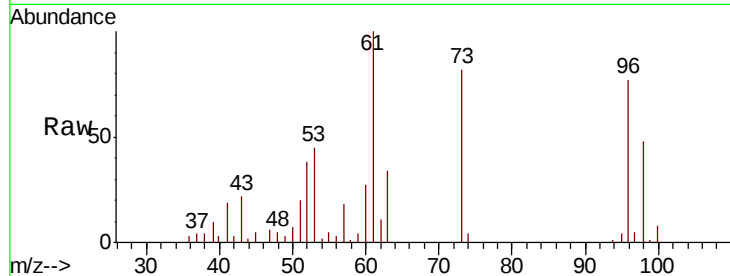
Tot Ion: 96 Resp: 63314

Ion Ratio Lower Upper

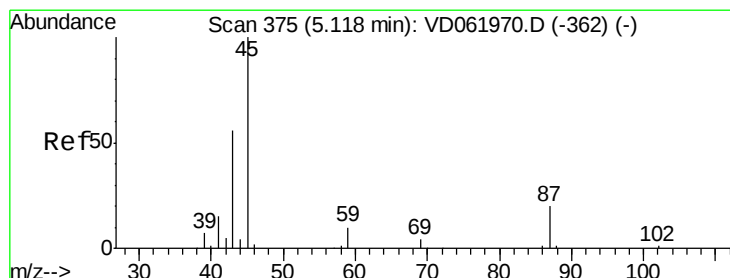
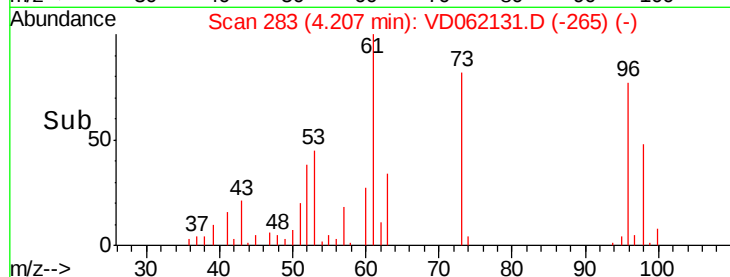
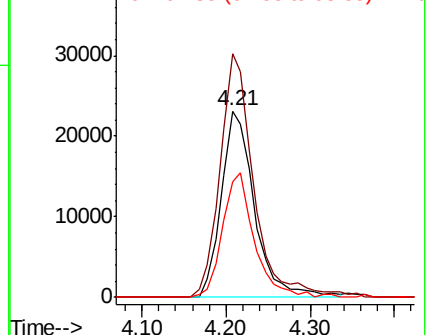
96 100

61 130.6 104.4 156.6

98 62.1 51.8 77.8



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



#22

Diisopropyl ether

Concen: 15.358 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Tgt Ion: 45 Resp: 212231

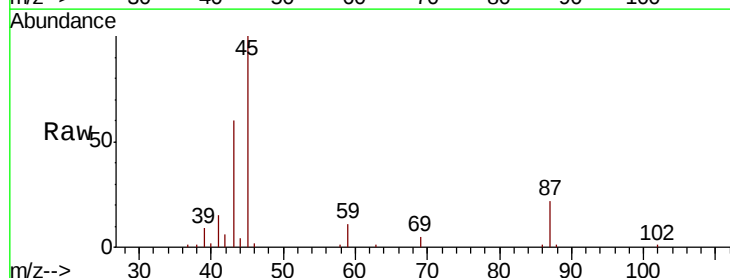
Ion Ratio Lower Upper

45 100

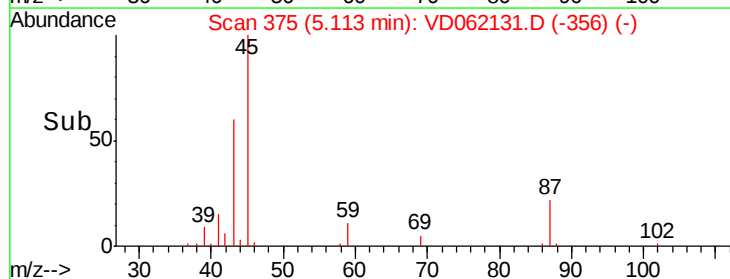
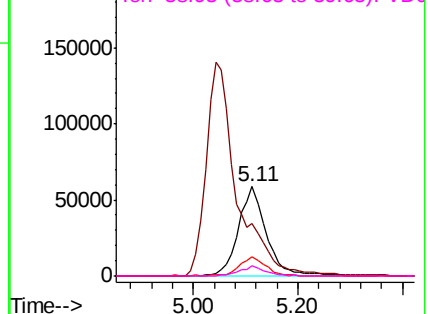
43 59.5 46.2 69.2

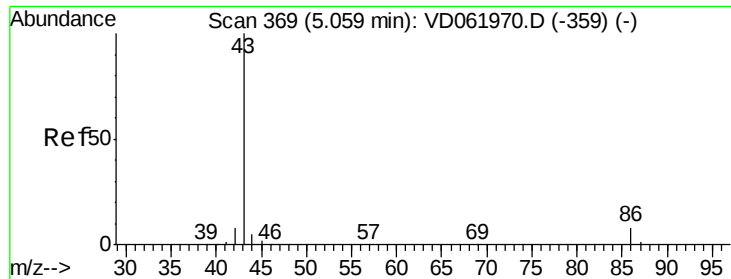
87 21.6 15.9 23.9

59 10.9 7.9 11.9



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





#23

Vinyl Acetate

Concen: 78.515 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.02 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

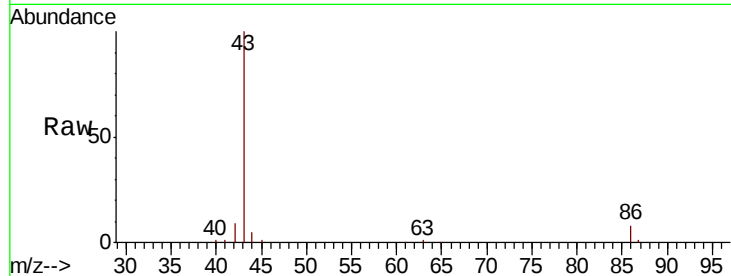
VD0506SBS01

Tot Ion: 43 Resp: 565013

Ion Ratio Lower Upper

43 100

86 8.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

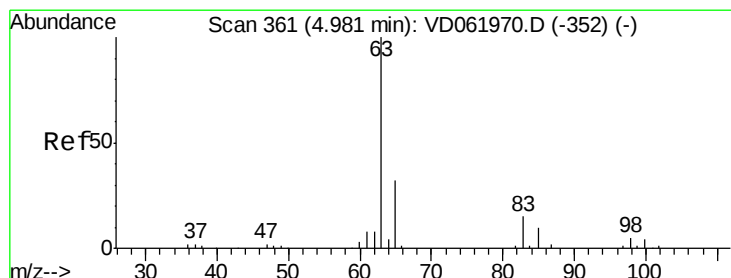
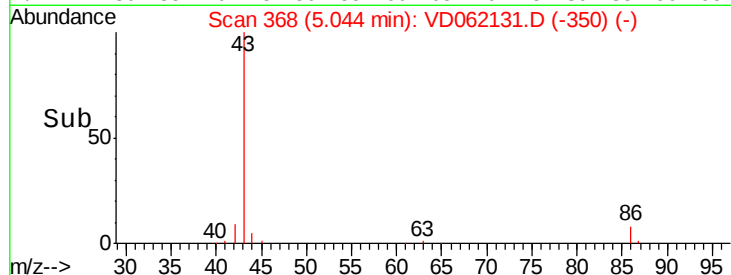
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 14.302 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

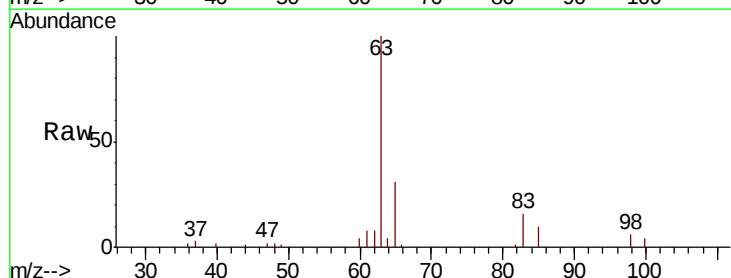
Tgt Ion: 63 Resp: 119449

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

100 4.5 1.8 5.5



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

4.98

40000

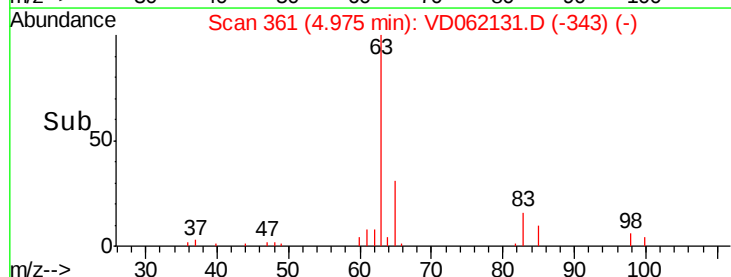
30000

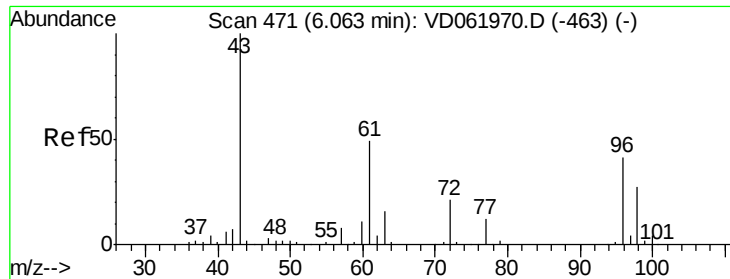
20000

10000

0

Time-->





#25

2-Butanone

Concen: 83.605 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

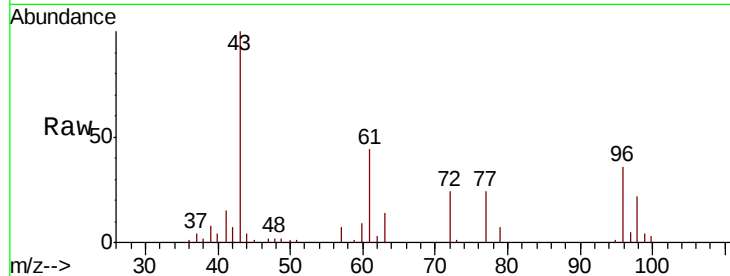
VD0506SBS01

Tot Ion: 43 Resp: 100730

Ion Ratio Lower Upper

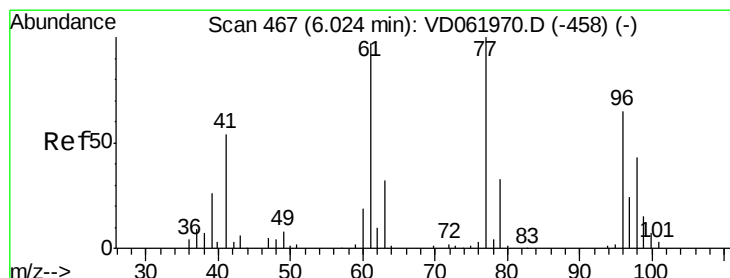
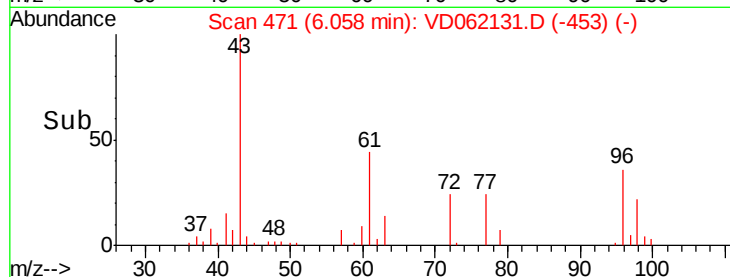
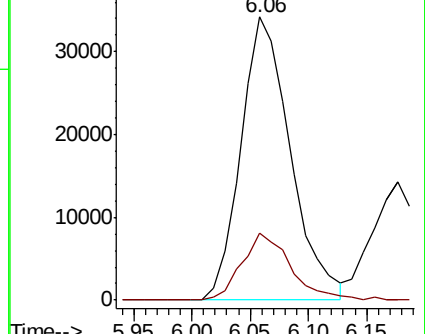
43 100

72 23.5 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 15.675 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD062131.D

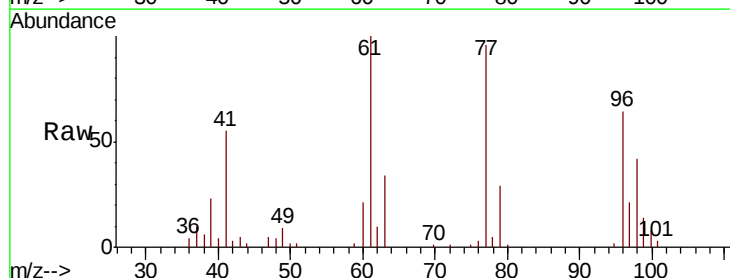
Acq: 6 May 2019 15:26

Tgt Ion: 77 Resp: 114211

Ion Ratio Lower Upper

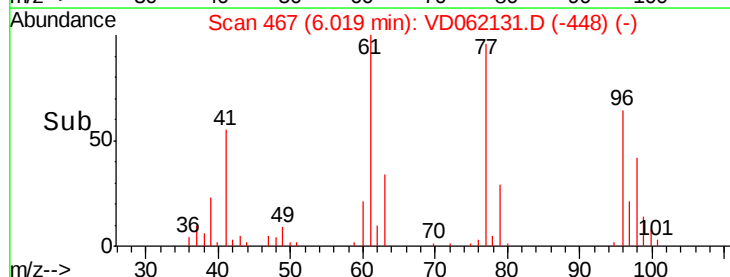
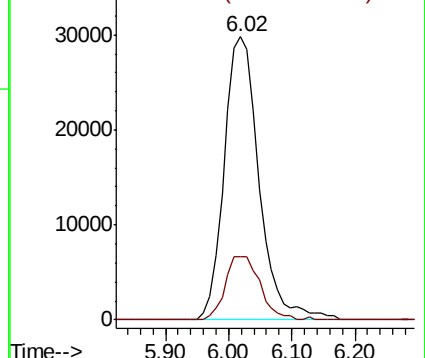
77 100

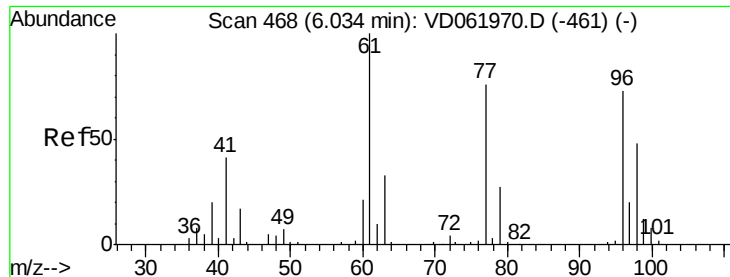
97 22.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



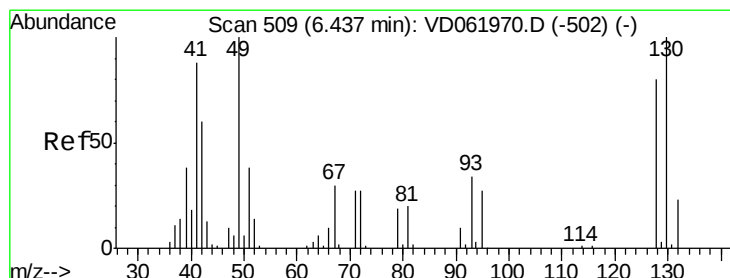
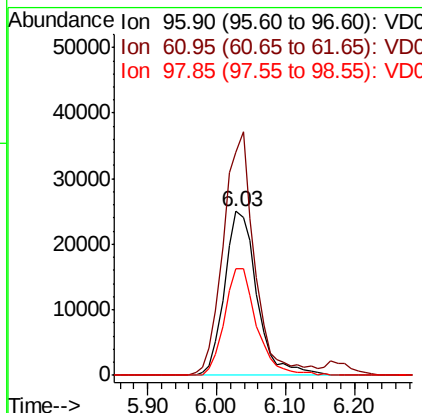
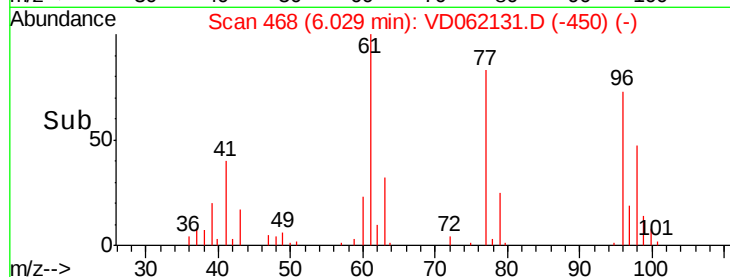
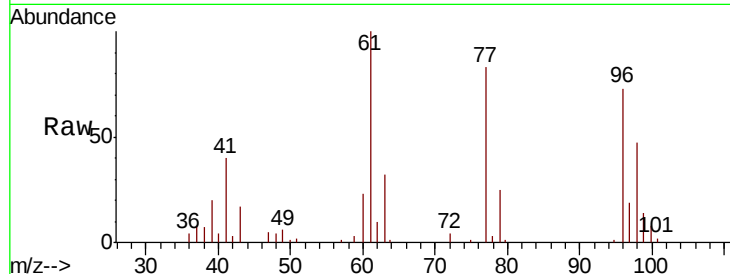


#27

cis-1,2-Dichloroethene
Concen: 14.376 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.02 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

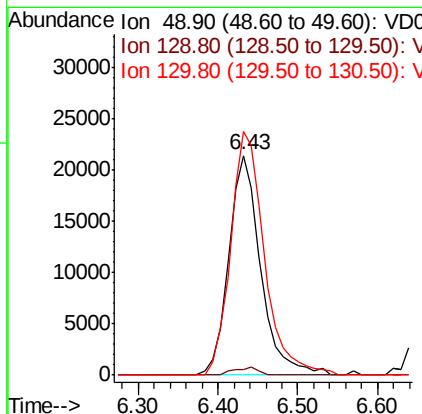
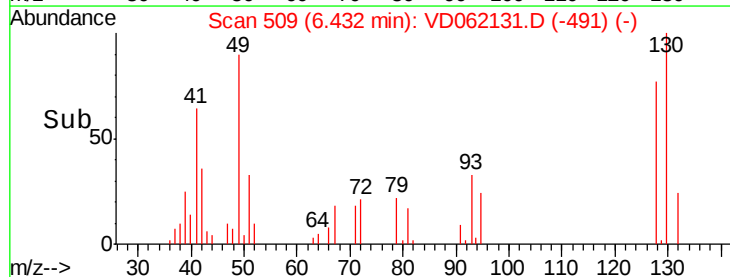
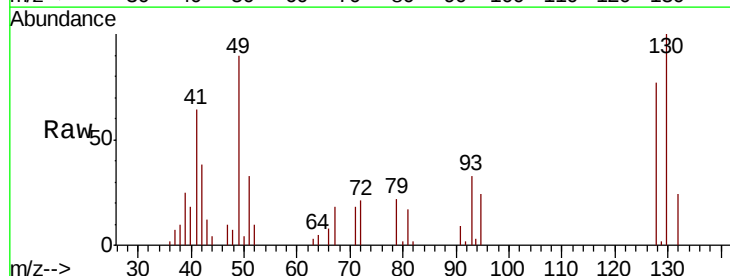
Tot Ion: 96 Resp: 81318
Ion Ratio Lower Upper
96 100
61 136.1 0.0 279.8
98 64.6 0.0 136.0

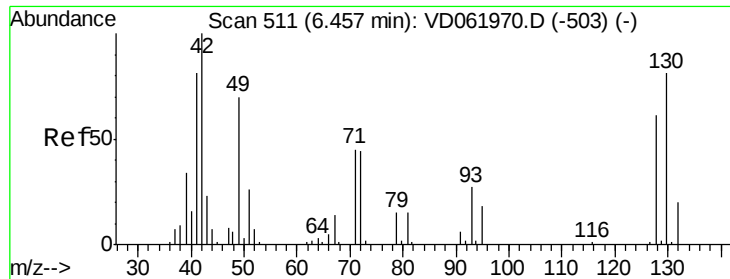


#28

Bromochloromethane
Concen: 18.712 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.02 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion: 49 Resp: 59798
Ion Ratio Lower Upper
49 100
129 2.3 0.0 6.6
130 110.7 86.7 130.1





#29

Tetrahydrofuran

Concen: 76.605 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

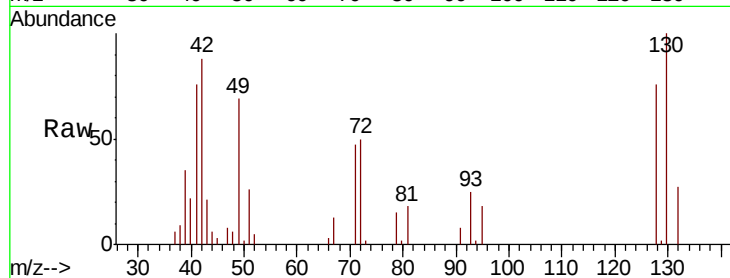
Tot Ion: 42 Resp: 45477

Ion Ratio Lower Upper

42 100

72 51.3 37.8 56.6

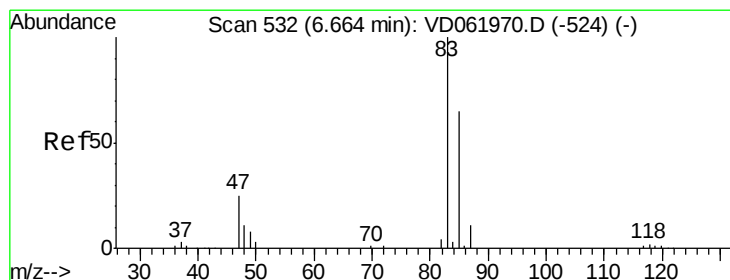
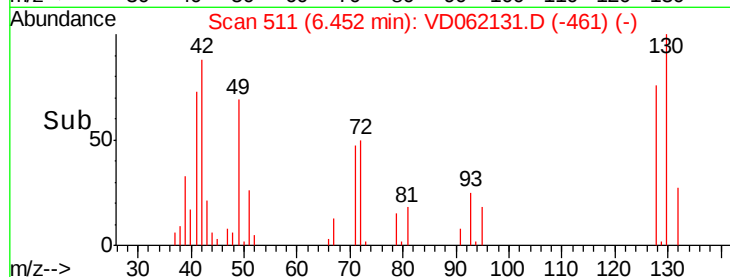
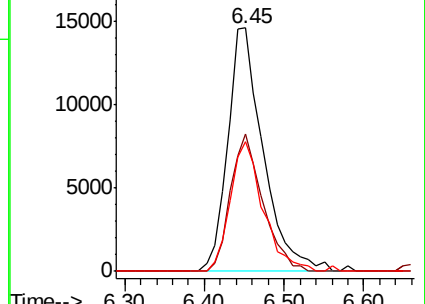
71 49.5 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 15.264 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.02 min

Lab File: VD062131.D

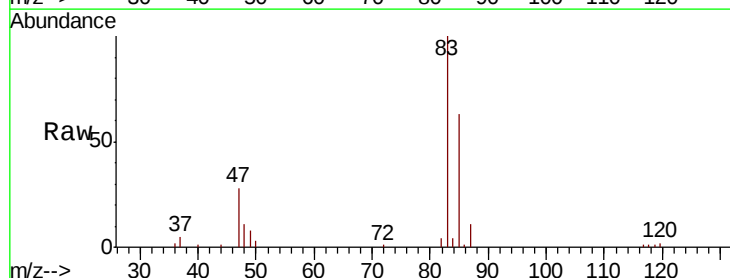
Acq: 6 May 2019 15:26

Tgt Ion: 83 Resp: 144802

Ion Ratio Lower Upper

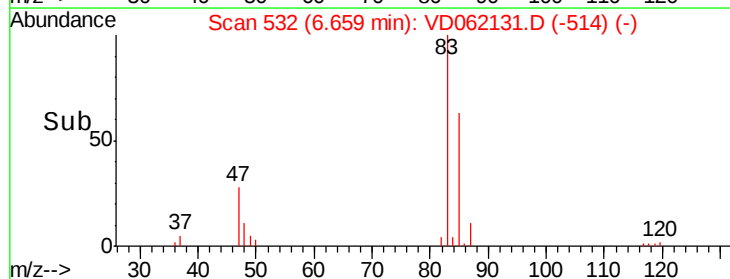
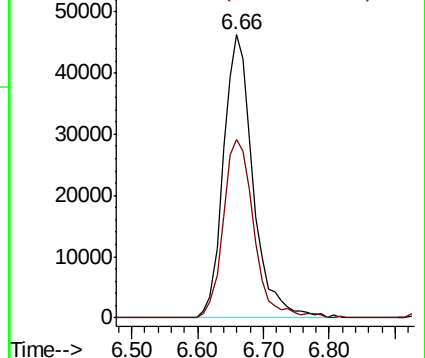
83 100

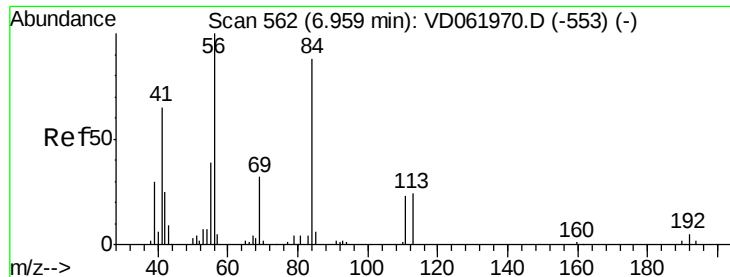
85 63.1 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

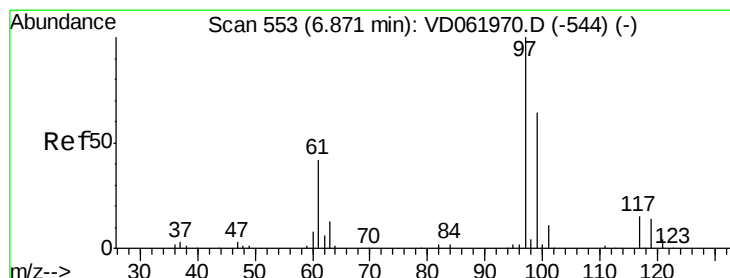
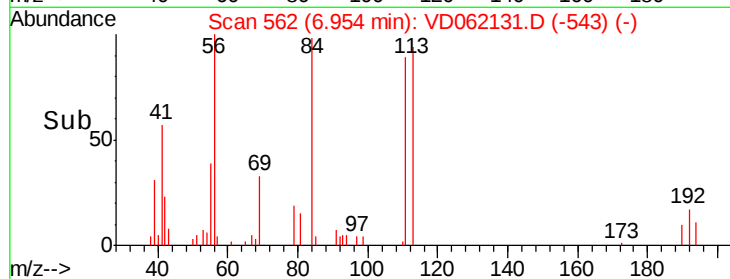
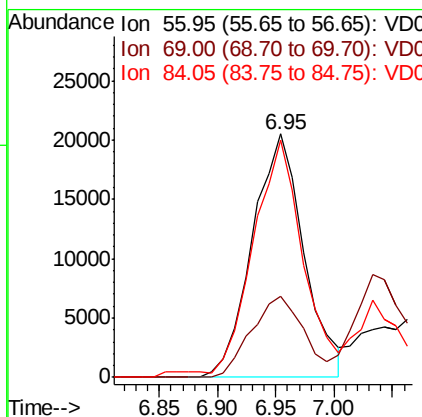
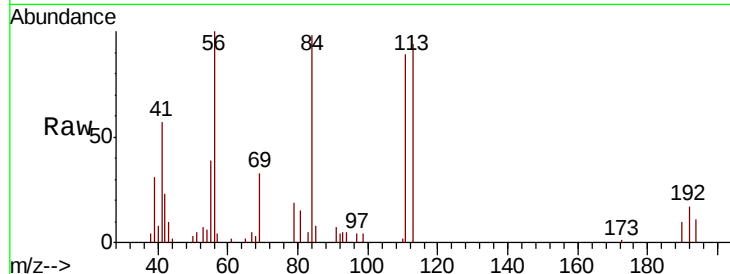




#31
Cyclohexane
Concen: 10.124 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

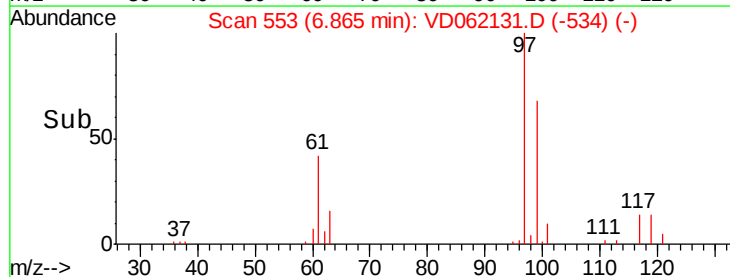
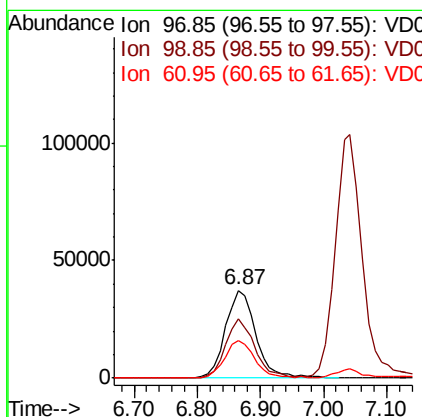
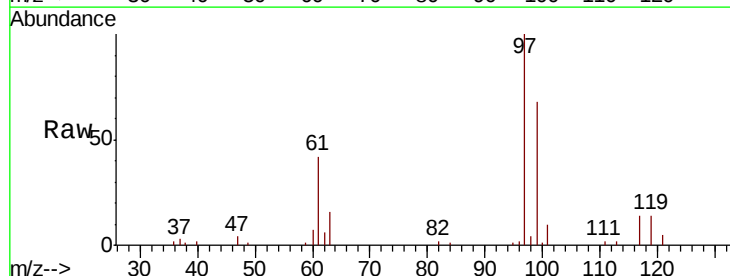
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

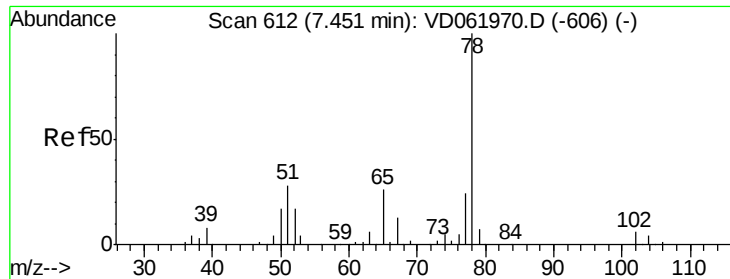
Tot Ion: 56 Resp: 62764
Ion Ratio Lower Upper
56 100
69 33.3 25.8 38.6
84 97.5 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 15.125 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion: 97 Resp: 124844
Ion Ratio Lower Upper
97 100
99 67.7 52.2 78.2
61 42.2 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 42.937 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

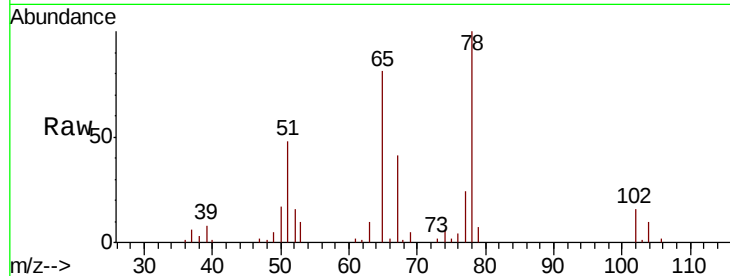
VD0506SBSD01

Tot Ion: 65 Resp: 178701

Ion Ratio Lower Upper

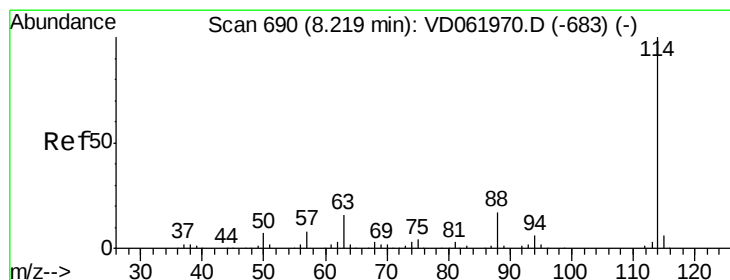
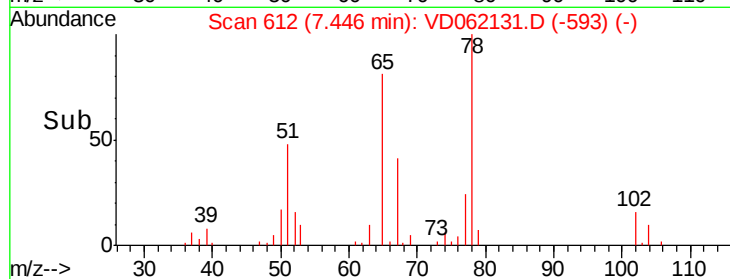
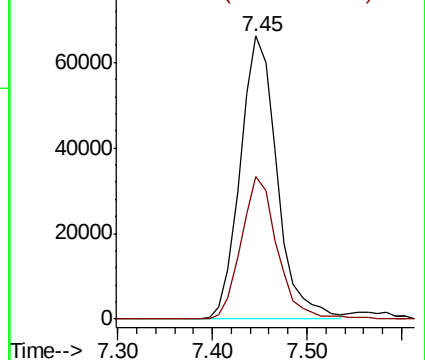
65 100

67 50.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

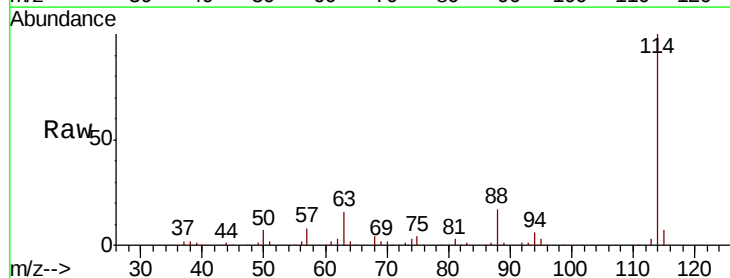
Tgt Ion: 114 Resp: 853539

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.4

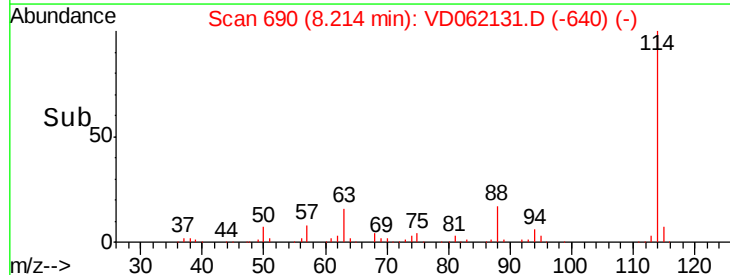
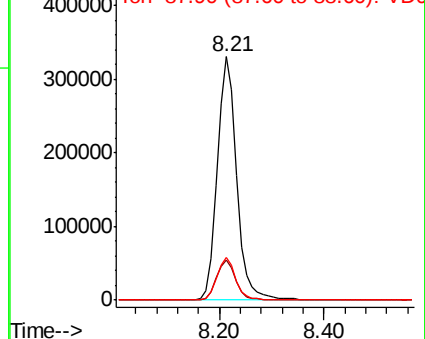
88 17.5 0.0 33.6

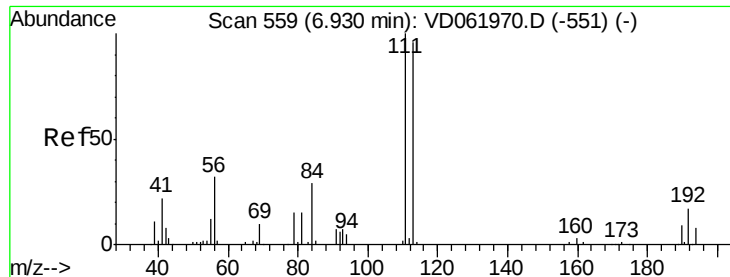


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

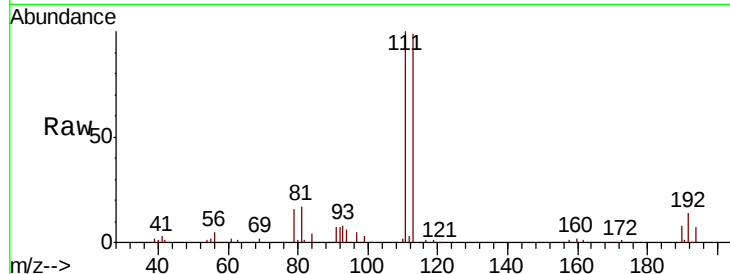




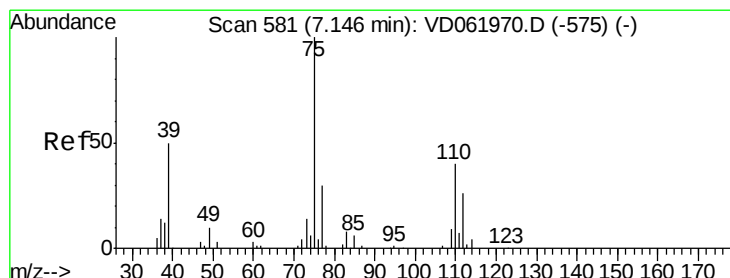
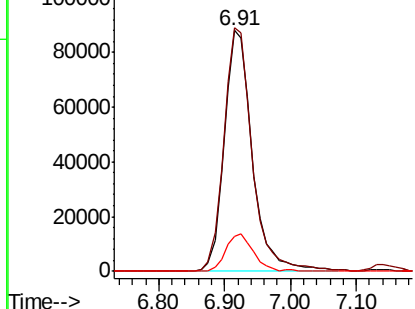
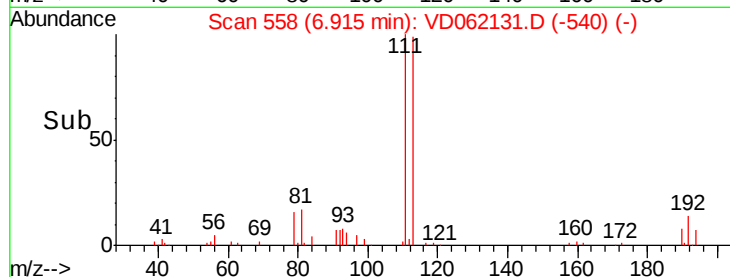
#35
 Dibromofluoromethane
 Concen: 44.632 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

Tot Ion:113 Resp: 263464
 Ion Ratio Lower Upper
 113 100
 111 101.2 78.5 117.7
 192 14.5 13.0 19.4

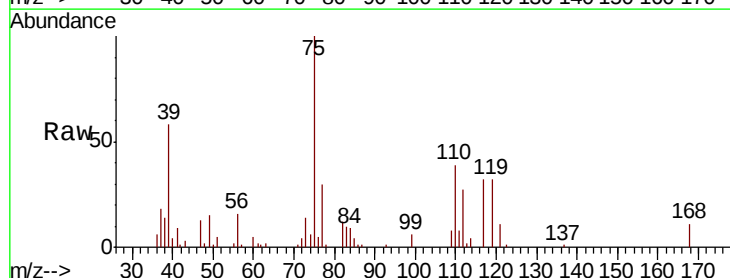


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

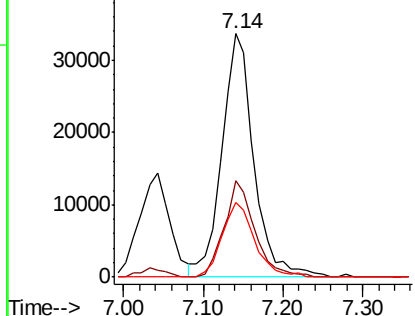
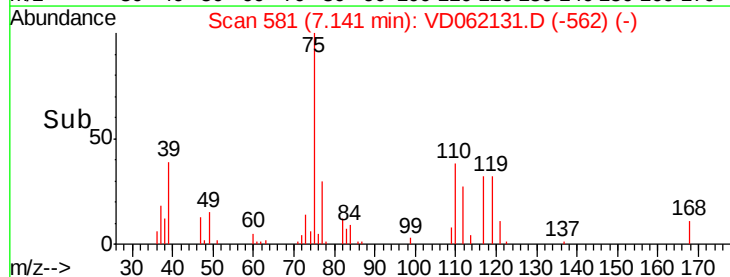


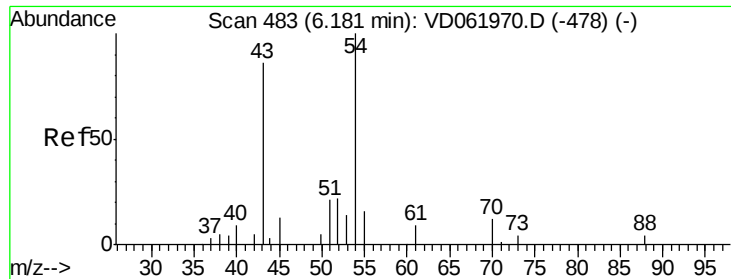
#36
 1,1-Dichloropropene
 Concen: 14.225 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Tgt Ion: 75 Resp: 94595
 Ion Ratio Lower Upper
 75 100
 110 39.4 19.1 57.1
 77 30.4 25.6 38.4



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

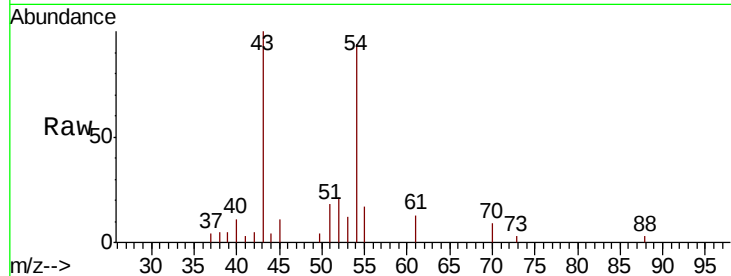




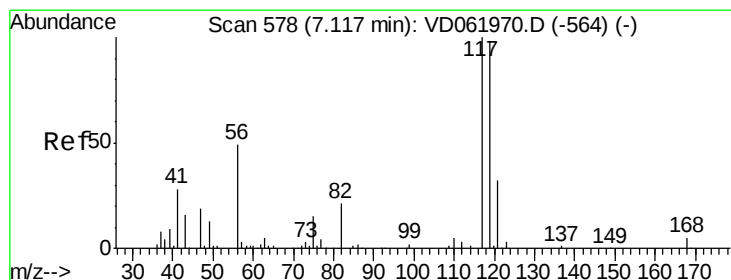
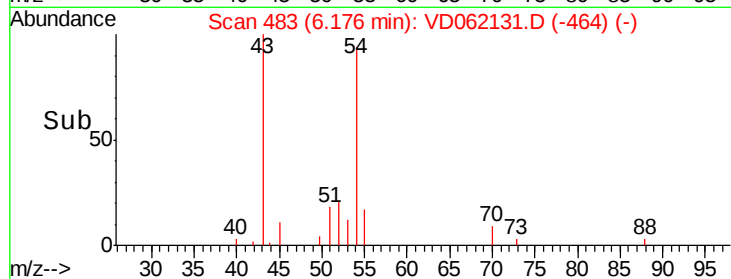
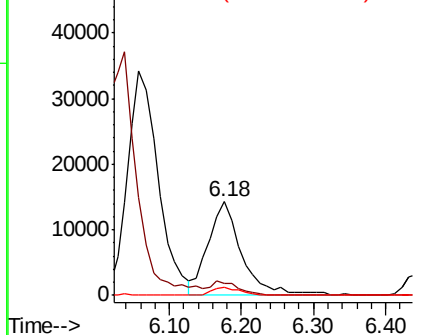
#37
Ethyl Acetate
Concen: 16.349 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion: 43 Resp: 46329
Ion Ratio Lower Upper
43 100
61 12.7 14.7 22.1#
70 8.6 7.8 11.6

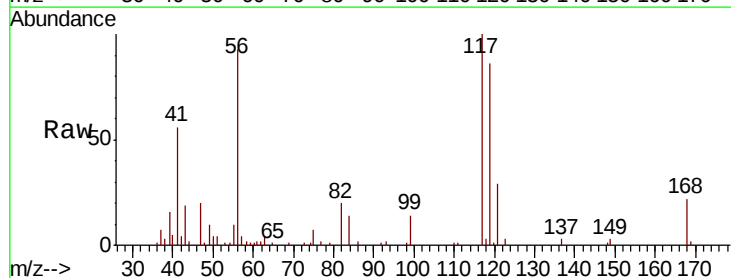


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

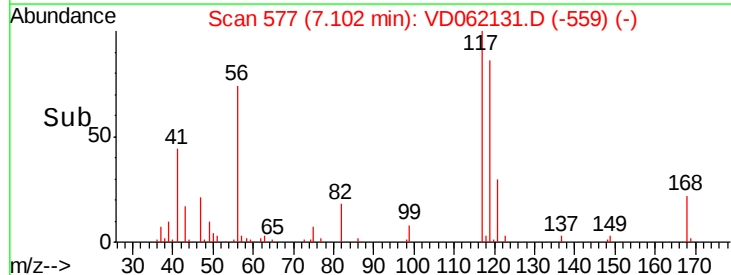
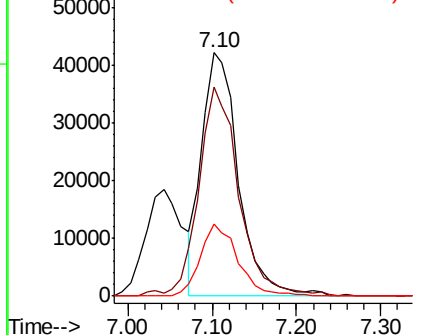


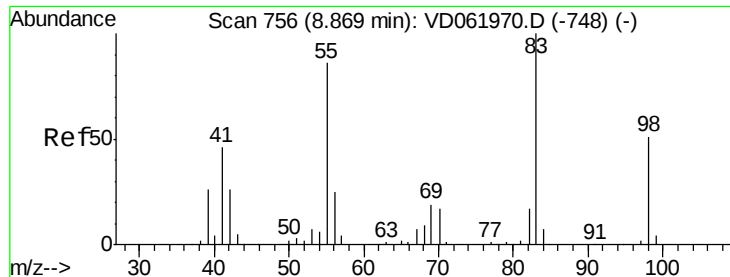
#38
Carbon Tetrachloride
Concen: 15.114 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion: 117 Resp: 127361
Ion Ratio Lower Upper
117 100
119 85.6 75.8 113.8
121 29.5 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

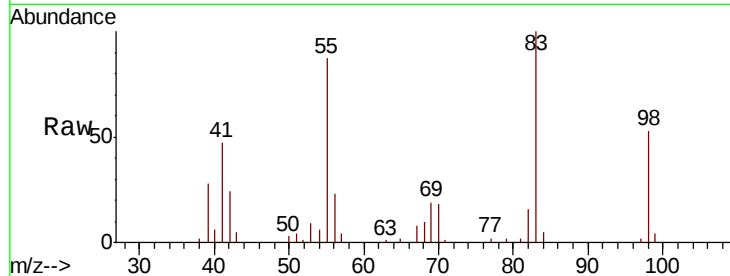




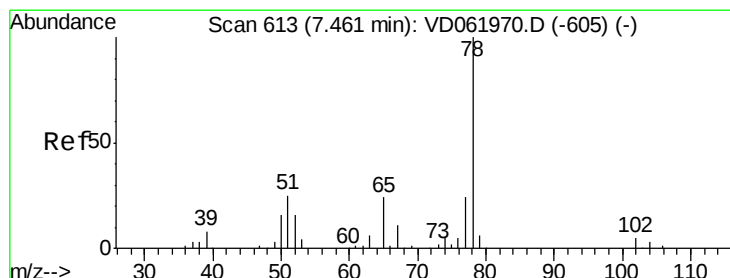
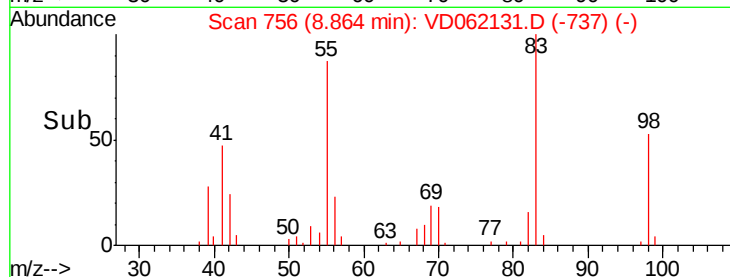
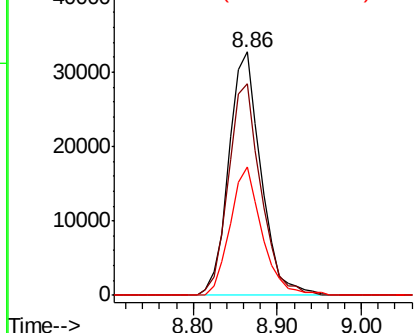
#39
Methvlcvclohexane
Concen: 13.212 ug/l
RT: 8.86 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion: 83 Resp: 86686
Ion Ratio Lower Upper
83 100
55 87.0 68.2 102.4
98 52.8 38.2 57.4

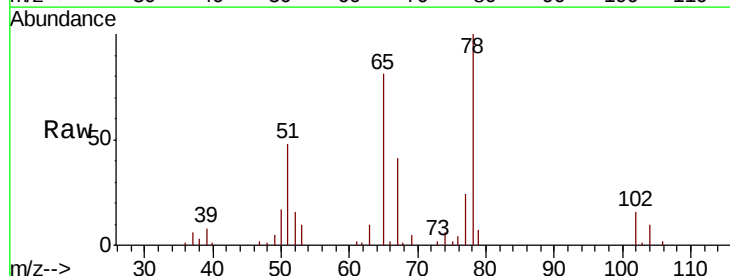


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

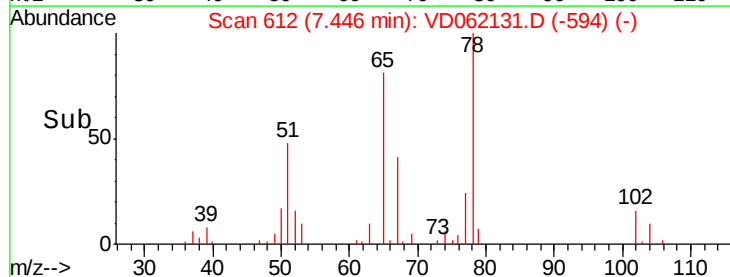
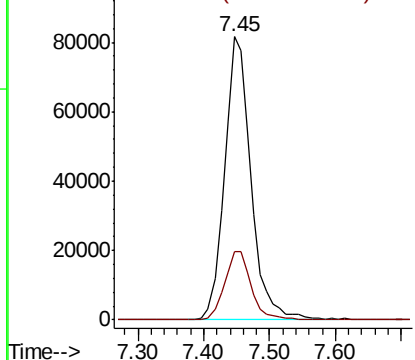


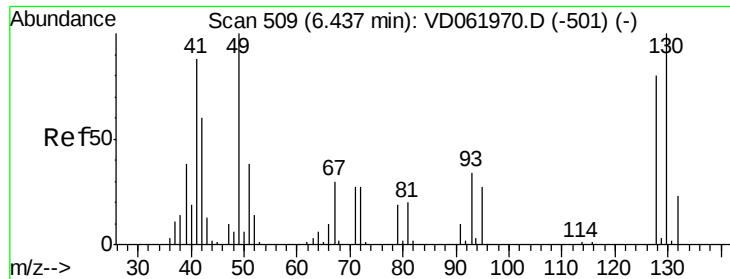
#40
Benzene
Concen: 13.837 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion: 78 Resp: 227794
Ion Ratio Lower Upper
78 100
77 24.0 19.7 29.5



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

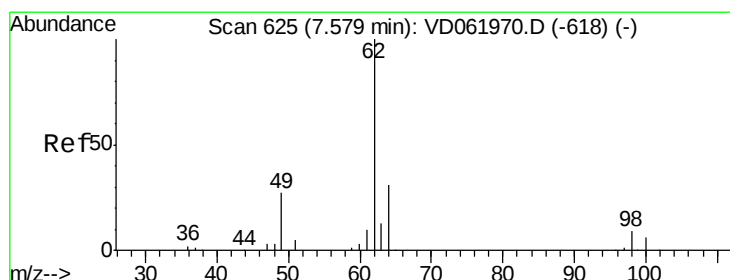
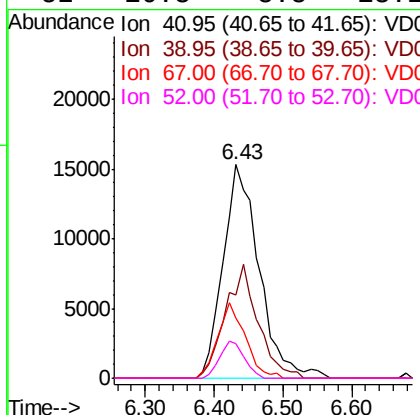
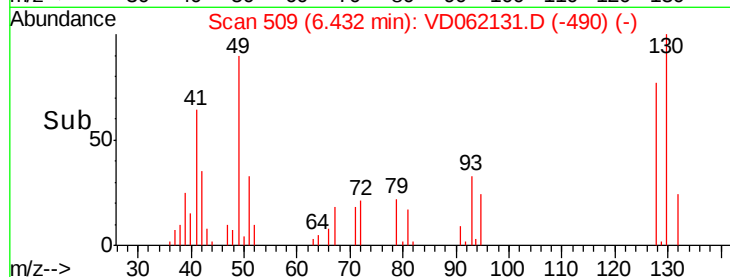
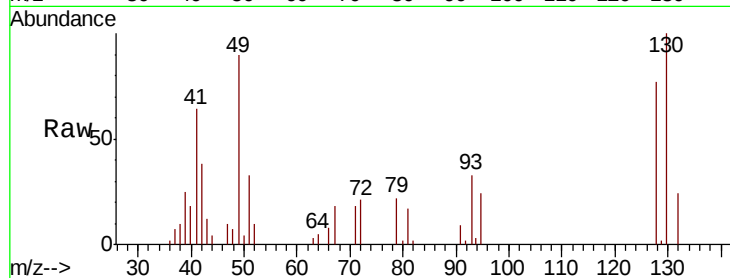




#41
Methacrylonitrile
Concen: 16.747 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

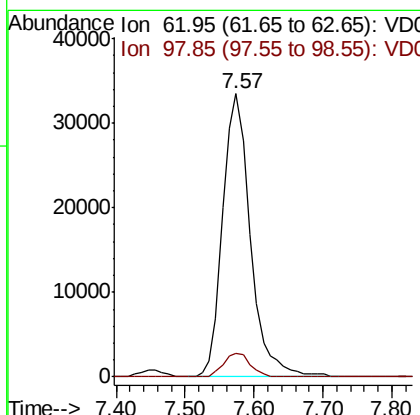
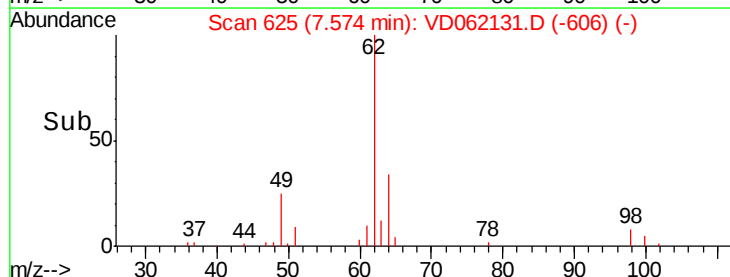
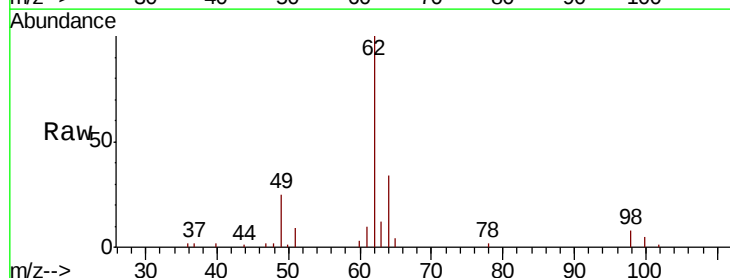
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

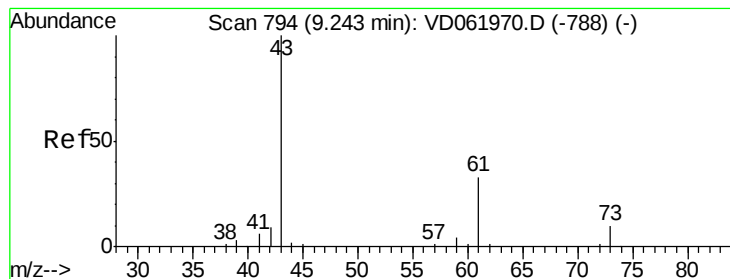
Tot Ion: 41 Resp: 55374
Ion Ratio Lower Upper
41 100
39 38.9 34.1 51.1
67 28.2 23.8 35.6
52 16.3 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 16.759 ug/l
RT: 7.57 min Scan# 625
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion: 62 Resp: 93680
Ion Ratio Lower Upper
62 100
98 8.3 0.0 17.8





#43

Isopropyl Acetate

Concen: 16.111 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

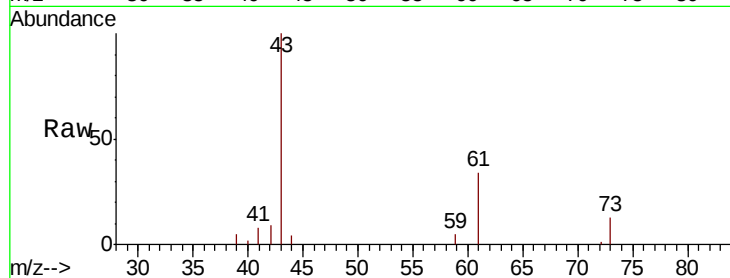
Tot Ion: 43 Resp: 66709

Ion Ratio Lower Upper

43 100

61 33.7 25.1 37.7

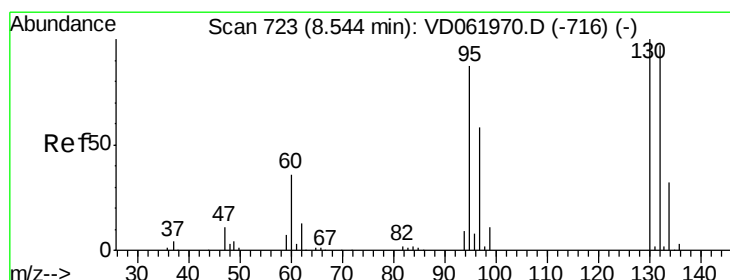
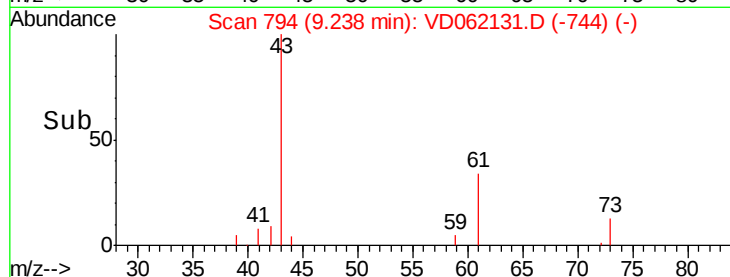
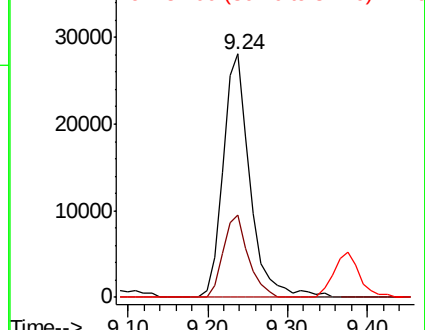
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 14.558 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD062131.D

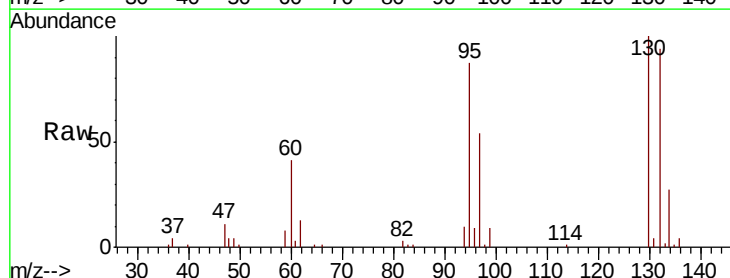
Acq: 6 May 2019 15:26

Tgt Ion:130 Resp: 92917

Ion Ratio Lower Upper

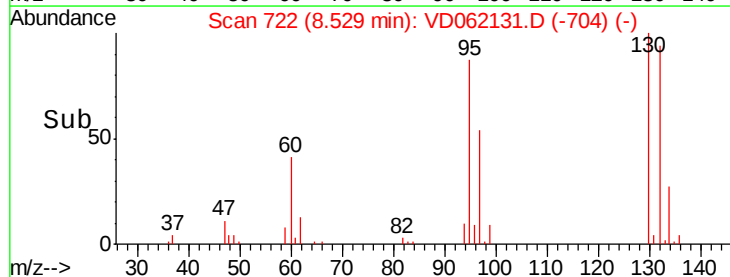
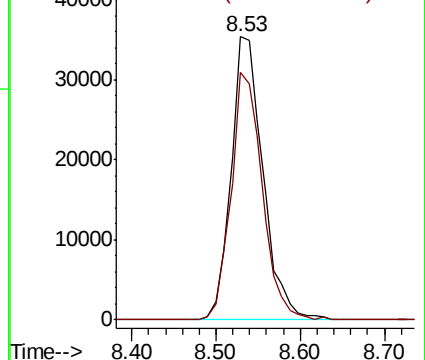
130 100

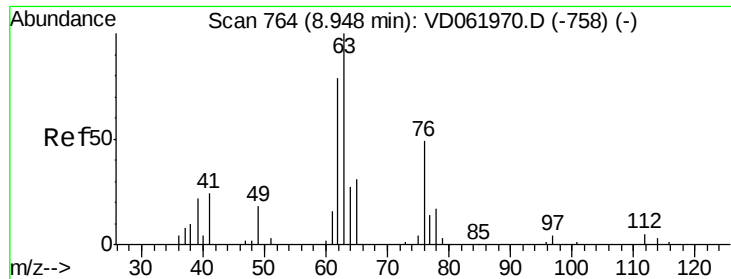
95 87.3 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 15.425 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

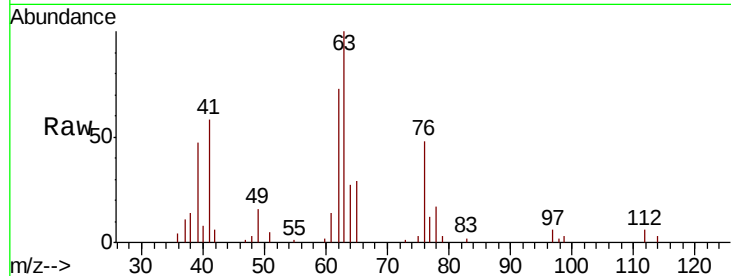
VD0506SBS01

Tot Ion: 63 Resp: 64424

Ion Ratio Lower Upper

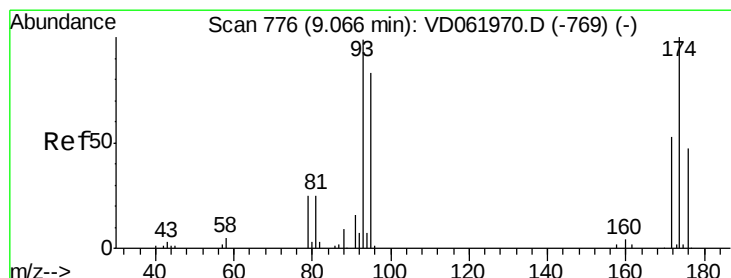
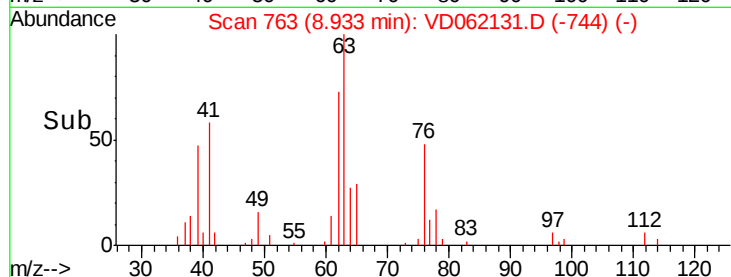
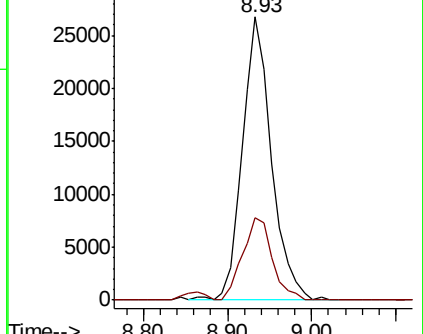
63 100

65 29.2 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 15.823 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

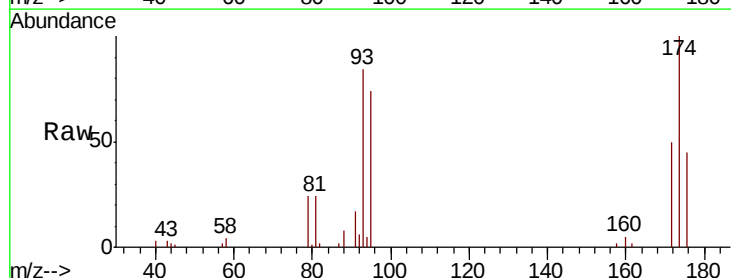
Tgt Ion: 93 Resp: 47551

Ion Ratio Lower Upper

93 100

95 88.2 64.8 97.2

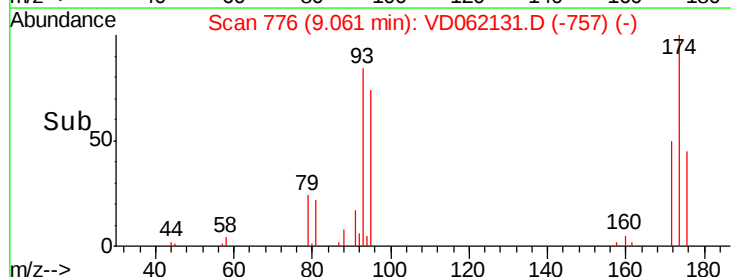
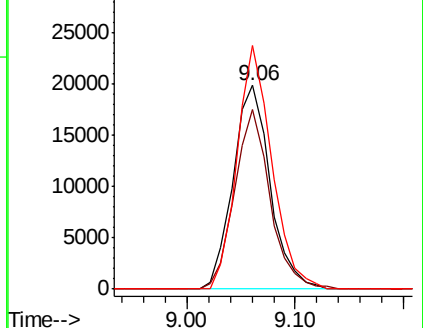
174 119.5 79.3 118.9#

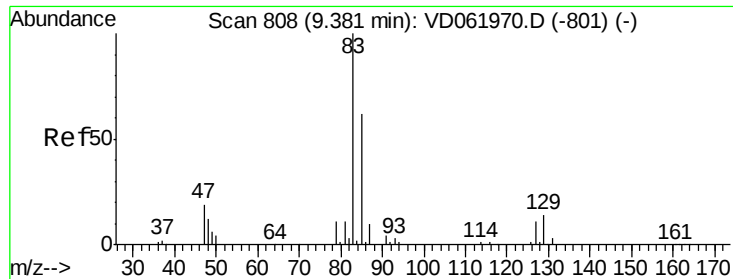


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 16.154 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

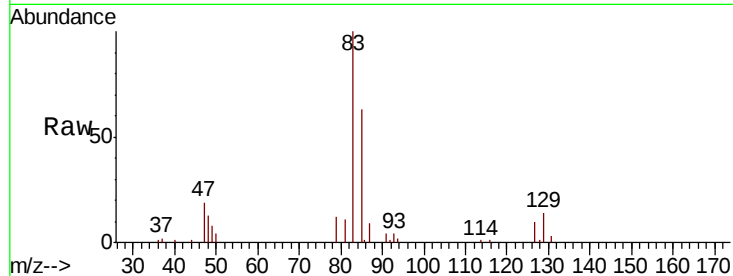
Tot Ion: 83 Resp: 114710

Ion Ratio Lower Upper

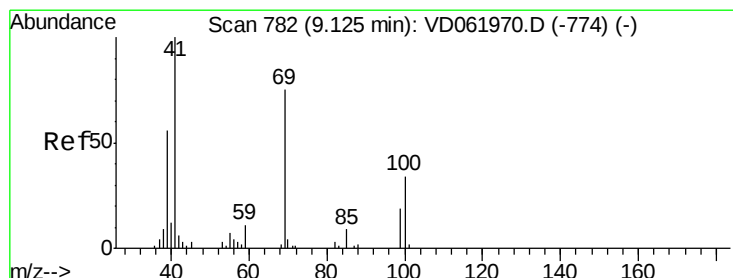
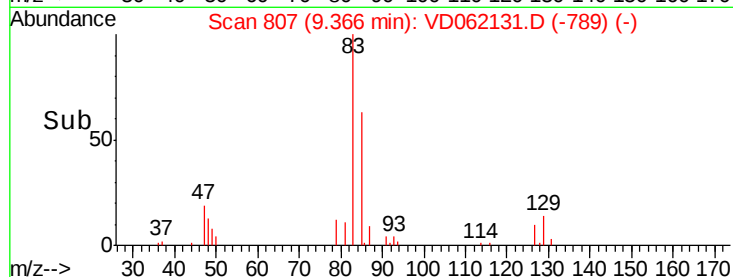
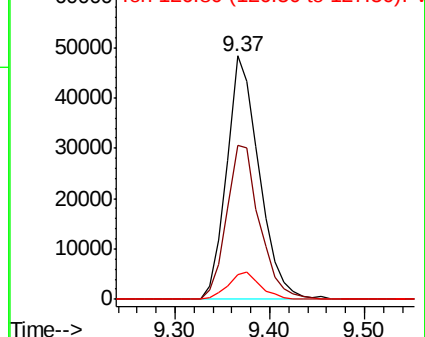
83 100

85 63.4 50.9 76.3

127 10.4 8.1 12.1



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



#48

Methyl methacrylate

Concen: 16.967 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

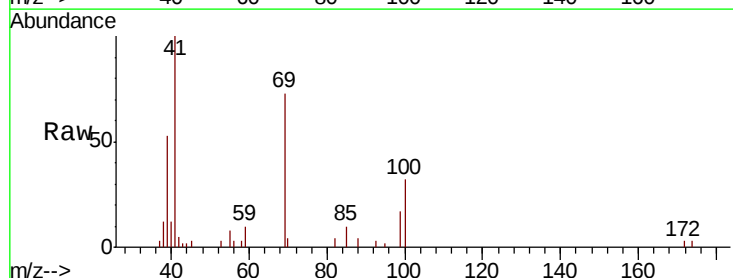
Tgt Ion: 41 Resp: 40084

Ion Ratio Lower Upper

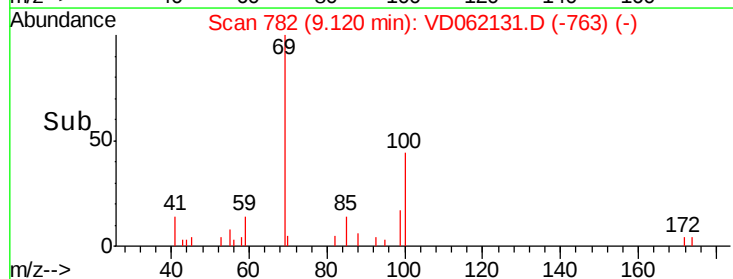
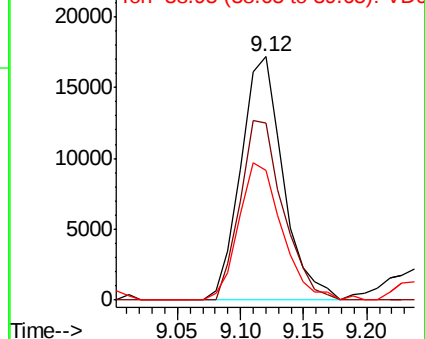
41 100

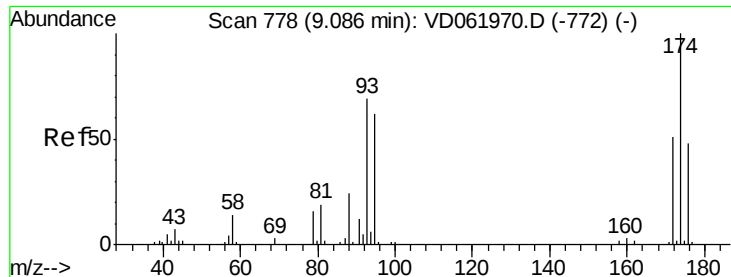
69 72.9 64.2 96.2

39 53.3 46.8 70.2



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

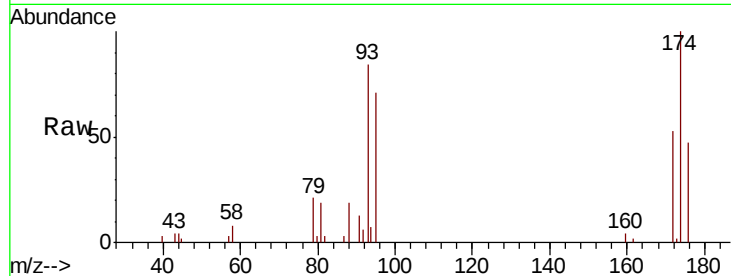




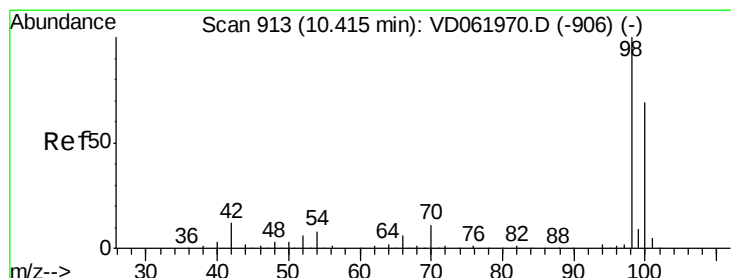
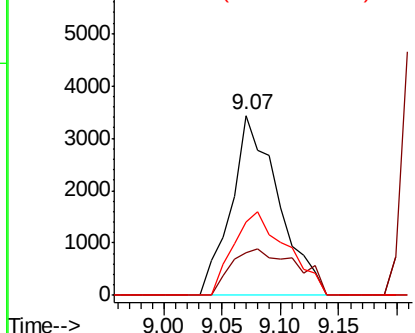
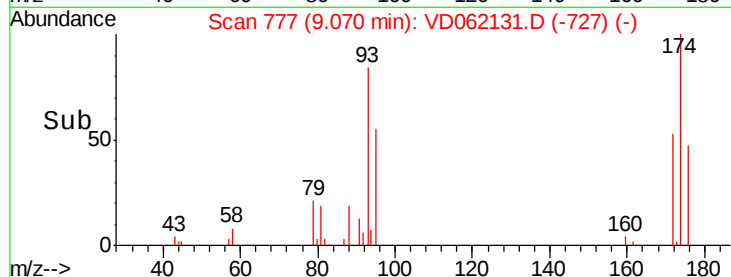
#49
1,4-Dioxane
Concen: 380.176 ug/l
RT: 9.07 min Scan# 777
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion: 88 Resp: 9683
Ion Ratio Lower Upper
88 100
43 23.6 23.4 35.0
58 41.1 44.0 66.0#

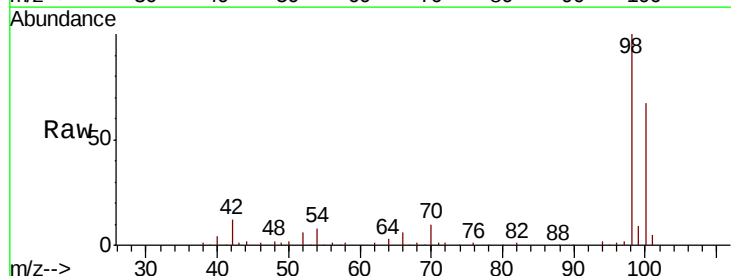


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

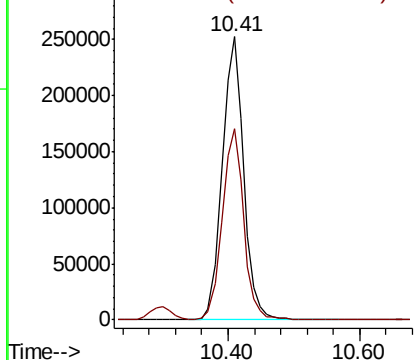
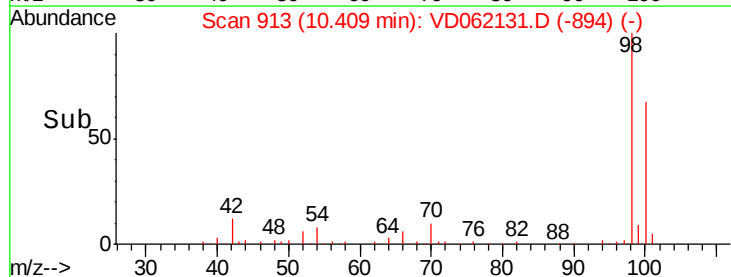


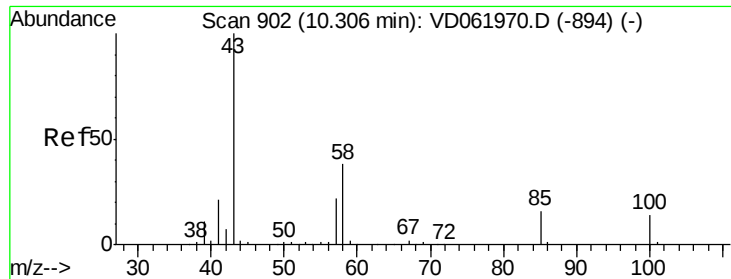
#50
Toluene-d8
Concen: 40.837 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion: 98 Resp: 573602
Ion Ratio Lower Upper
98 100
100 67.4 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 86.141 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

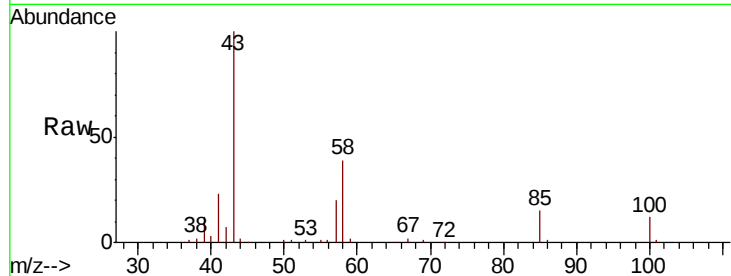
VD0506SBS01

Tot Ion: 43 Resp: 218127

Ion Ratio Lower Upper

43 100

58 39.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

80000

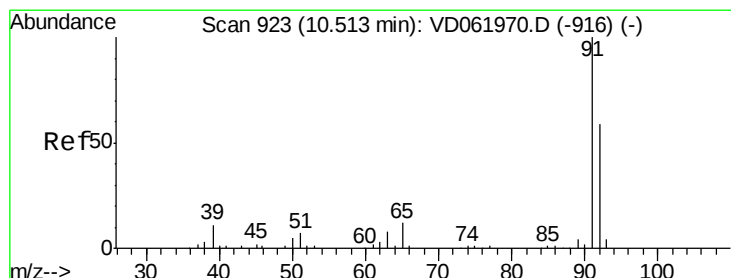
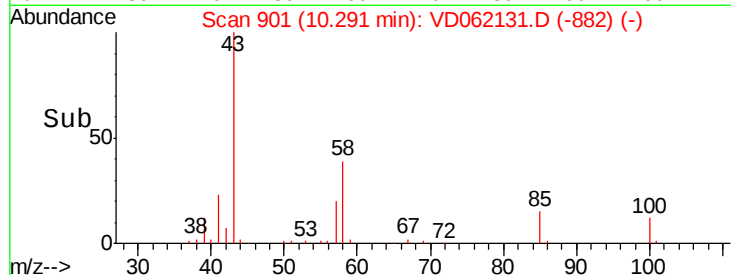
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 16.038 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062131.D

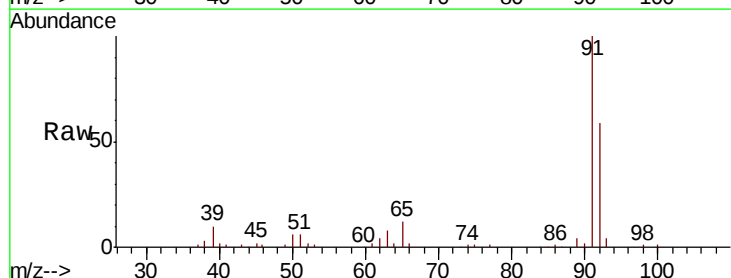
Acq: 6 May 2019 15:26

Tgt Ion: 92 Resp: 168348

Ion Ratio Lower Upper

92 100

91 169.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

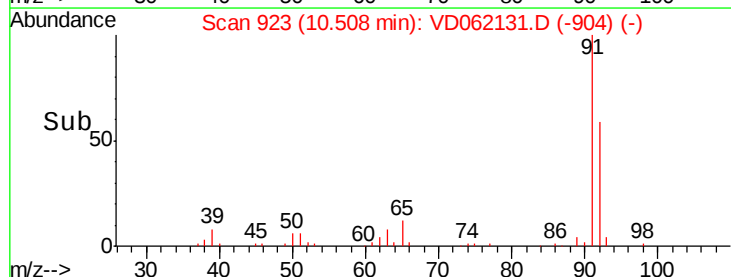
150000

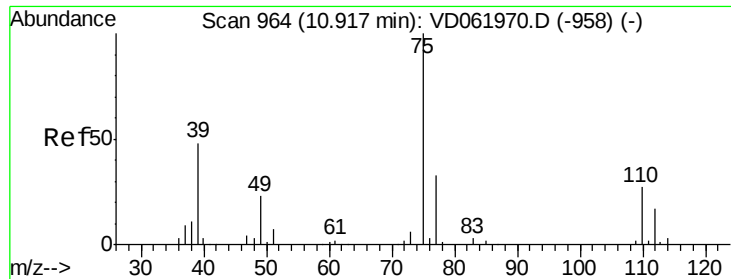
100000

50000

0

Time-->

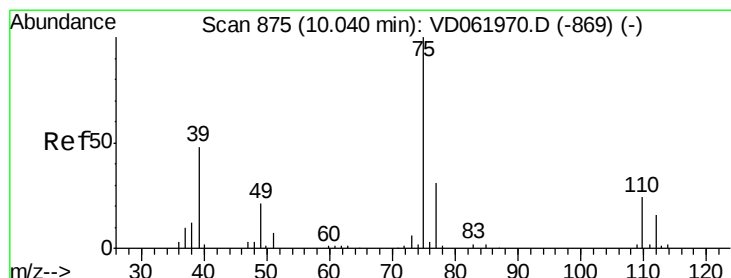
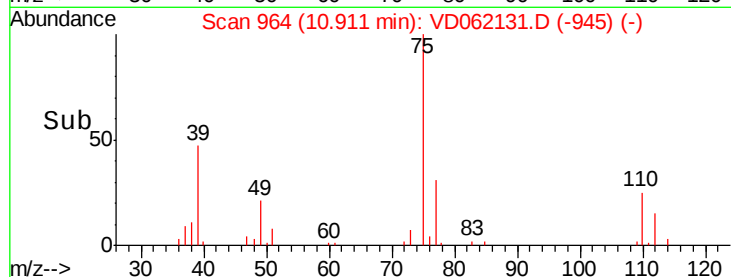
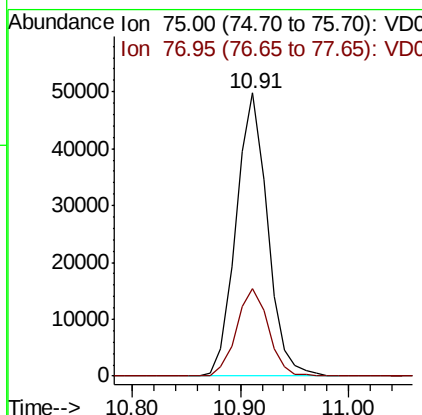
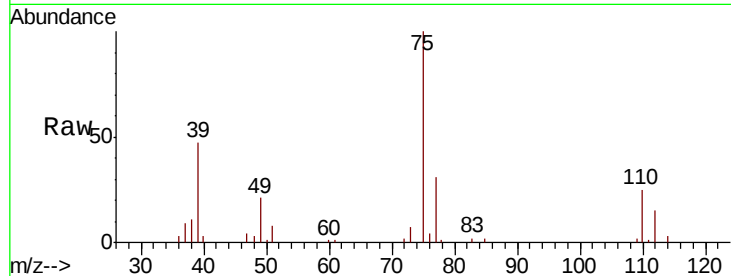




#53
 t-1,3-Dichloropropene
 Concen: 16.914 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

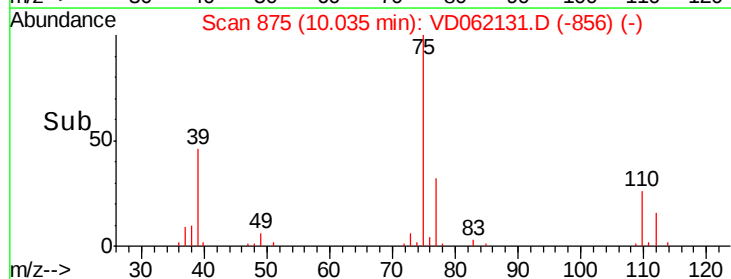
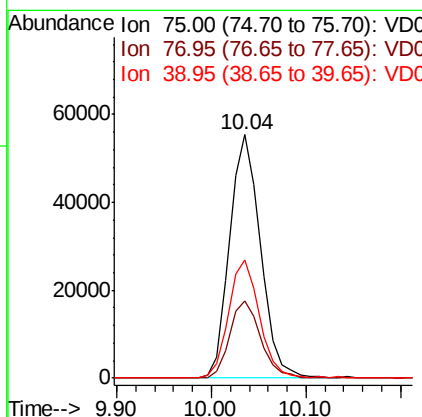
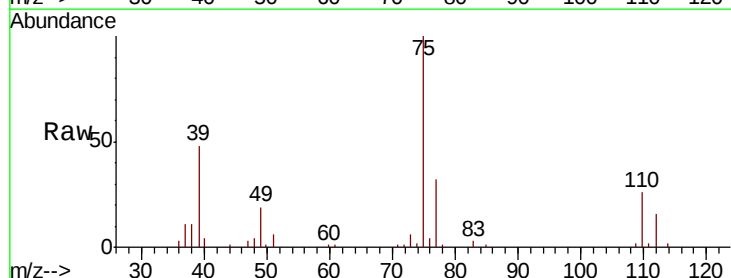
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

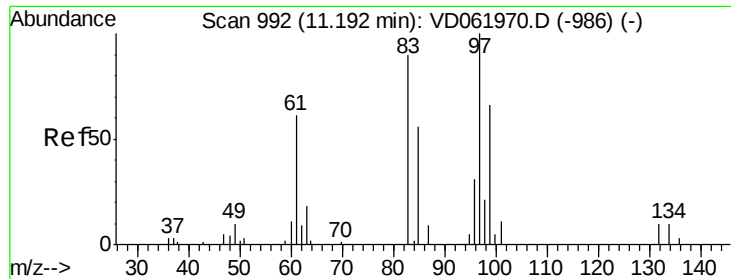
Tot Ion: 75 Resp: 100812
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 17.227 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Tgt Ion: 75 Resp: 124885
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.5 38.3
 39 48.4 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 18.479 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

Tot Ion: 97 Resp: 65122

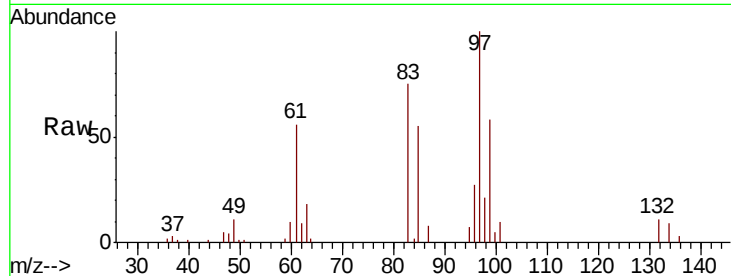
Ion Ratio Lower Upper

97 100

83 74.9 65.7 98.5

85 55.2 45.6 68.4

99 58.2 48.4 72.6

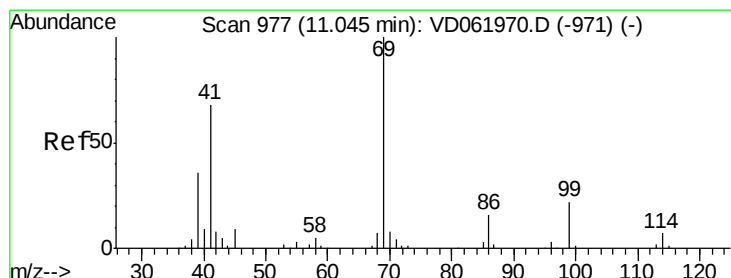
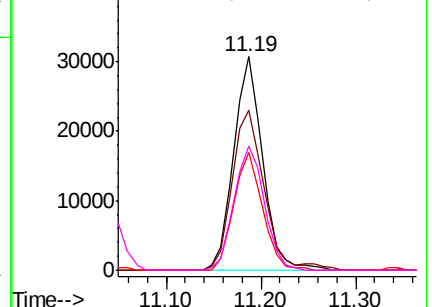
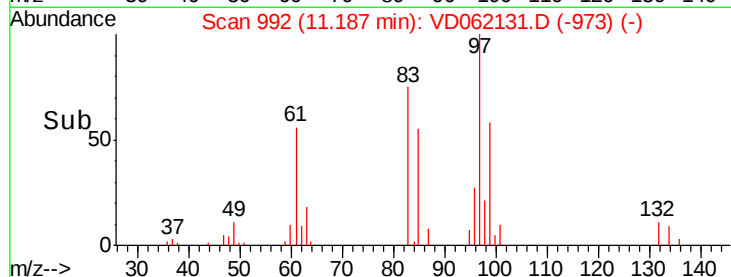


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 16.345 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

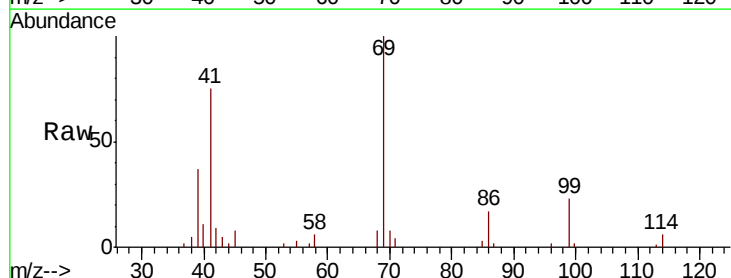
Tgt Ion: 69 Resp: 63795

Ion Ratio Lower Upper

69 100

41 74.8 56.3 84.5

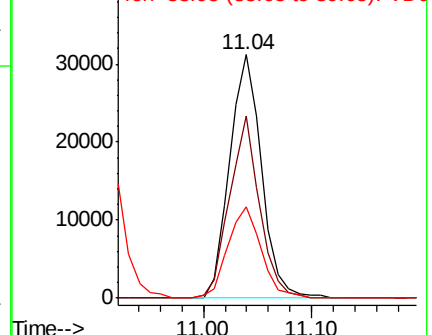
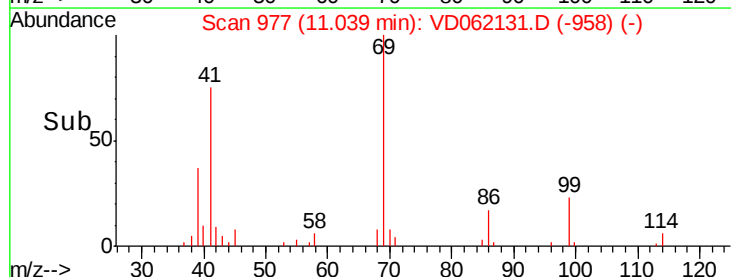
39 37.3 29.4 44.2

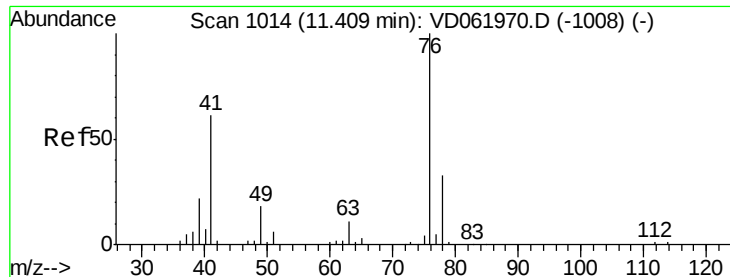


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 16.466 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

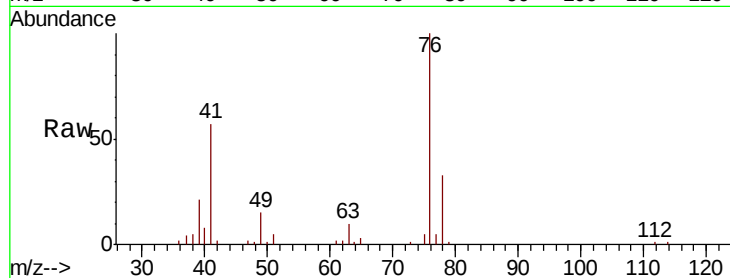
VD0506SBS01

Tot Ion: 76 Resp: 89624

Ion Ratio Lower Upper

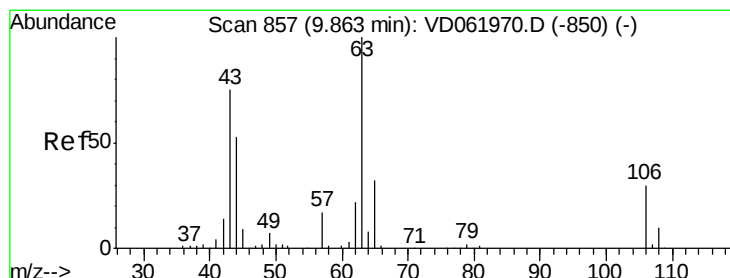
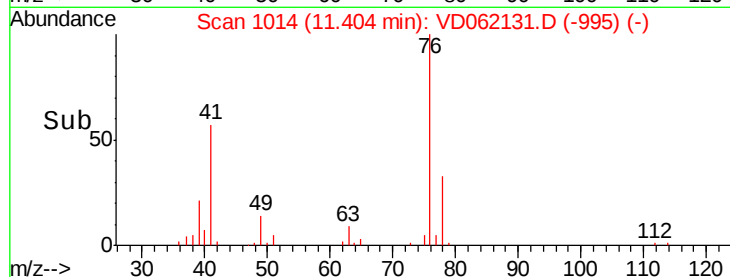
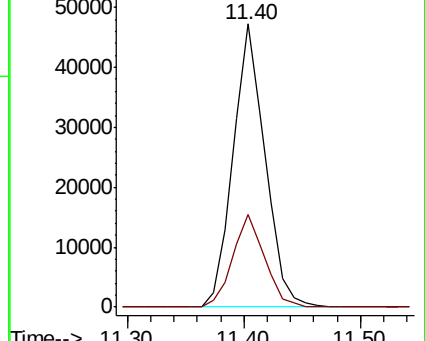
76 100

78 32.6 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 103.861 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.02 min

Lab File: VD062131.D

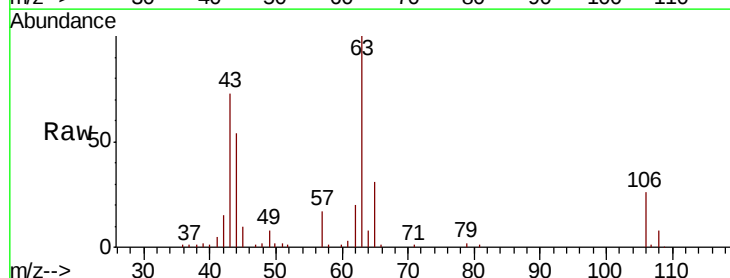
Acq: 6 May 2019 15:26

Tgt Ion: 63 Resp: 188472

Ion Ratio Lower Upper

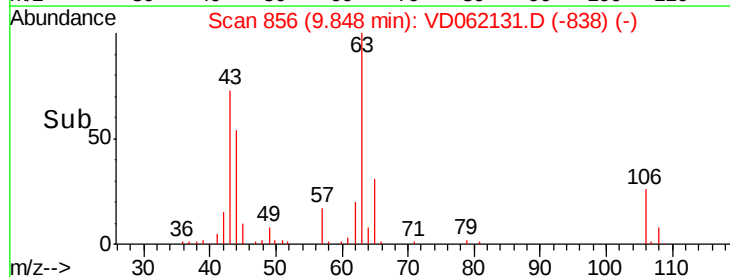
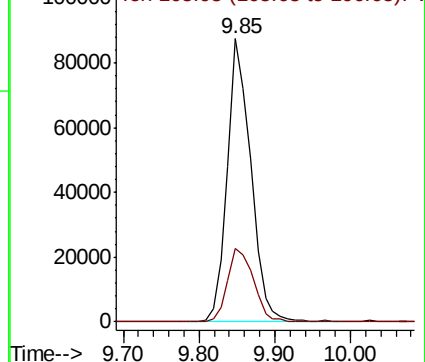
63 100

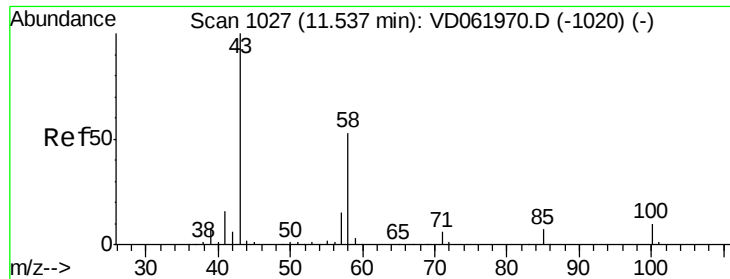
106 25.8 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

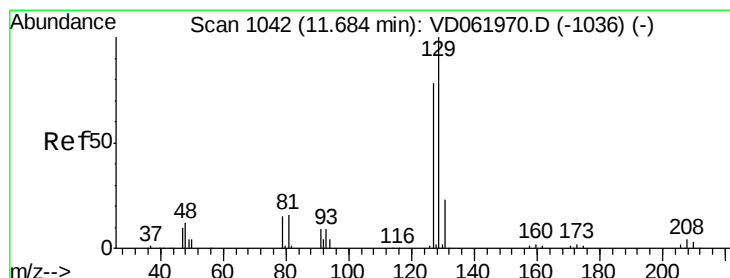
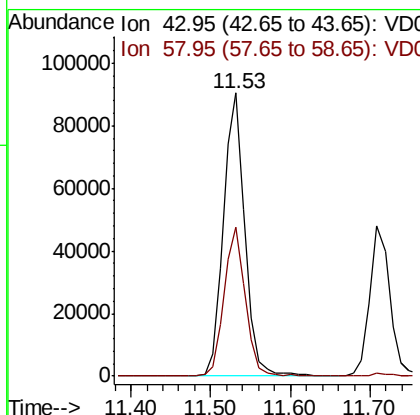
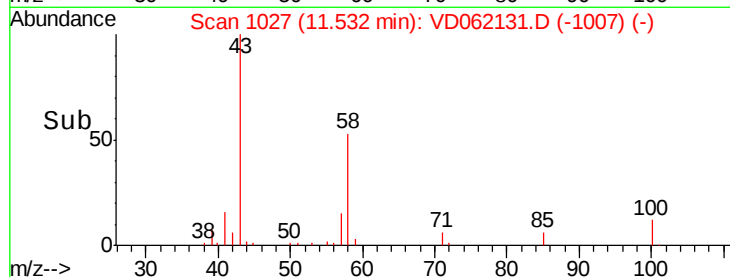
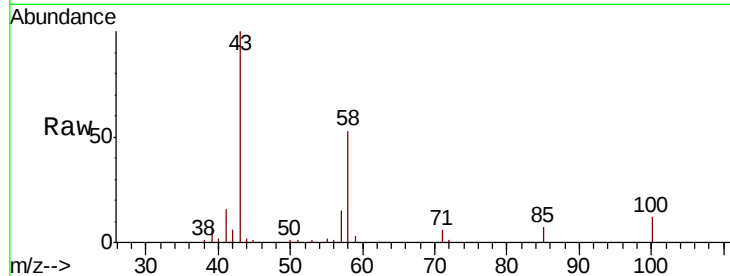




#59
2-Hexanone
Concen: 90.181 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

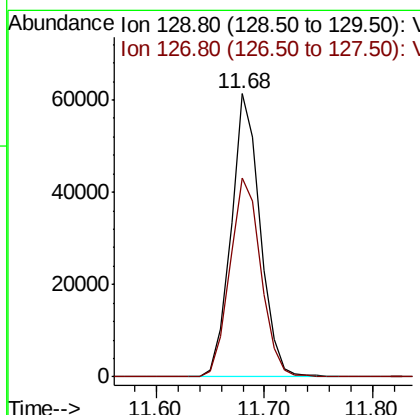
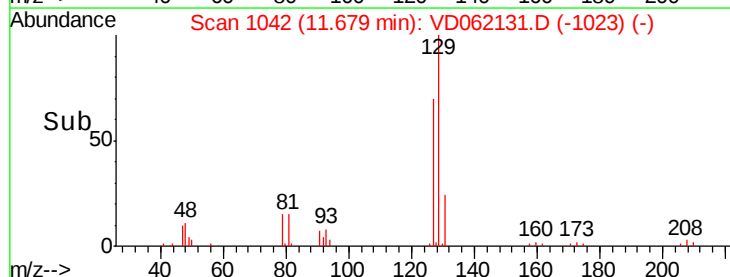
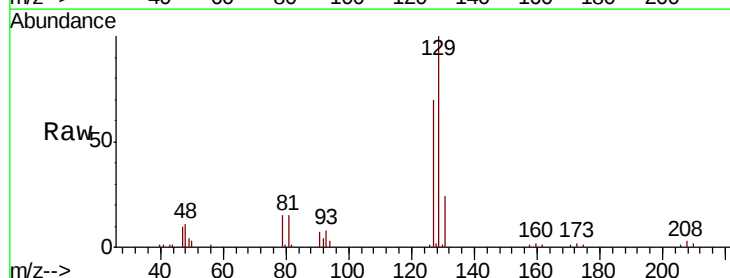
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

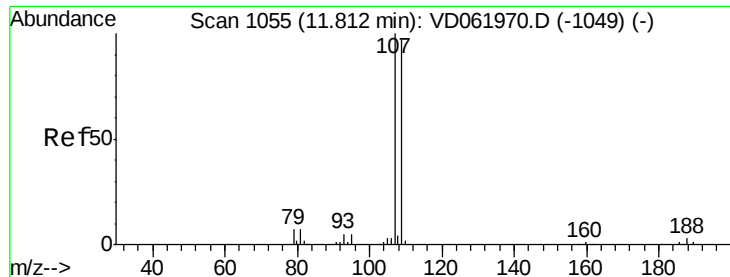
Tot Ion: 43 Resp: 171299
Ion Ratio Lower Upper
43 100
58 52.8 25.4 76.4



#60
Dibromochloromethane
Concen: 19.559 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion: 129 Resp: 114049
Ion Ratio Lower Upper
129 100
127 70.2 38.0 113.9

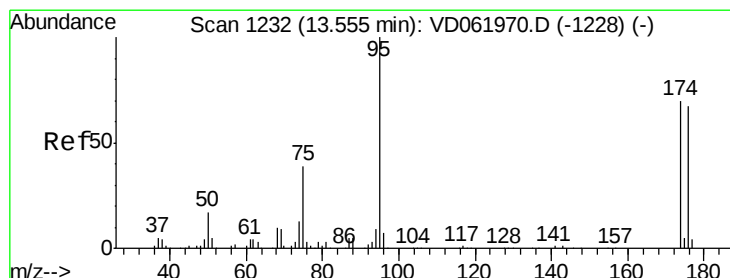
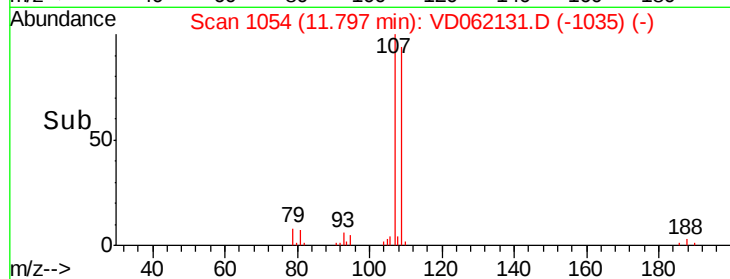
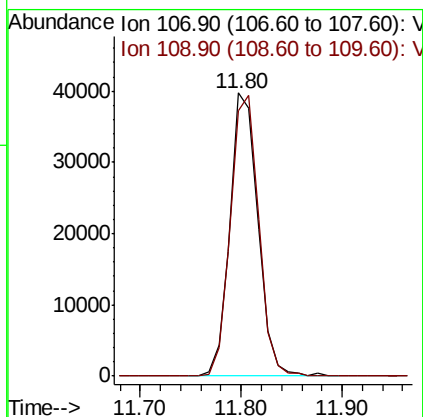
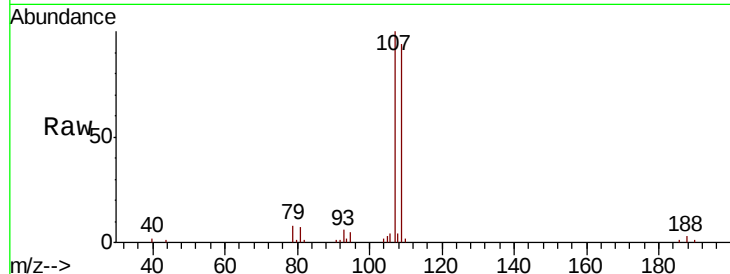




#61
 1,2-Dibromoethane
 Concen: 18.295 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

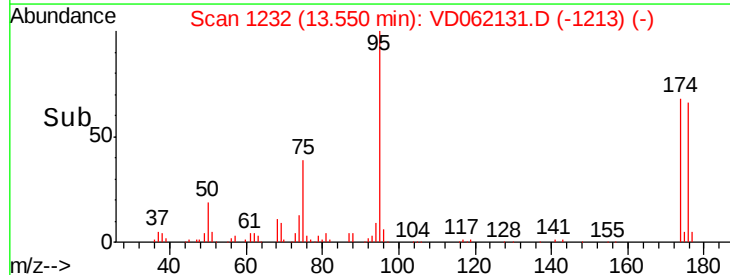
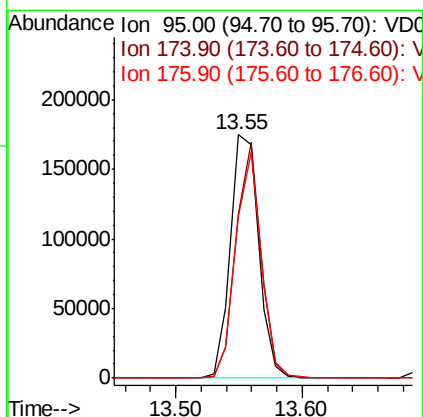
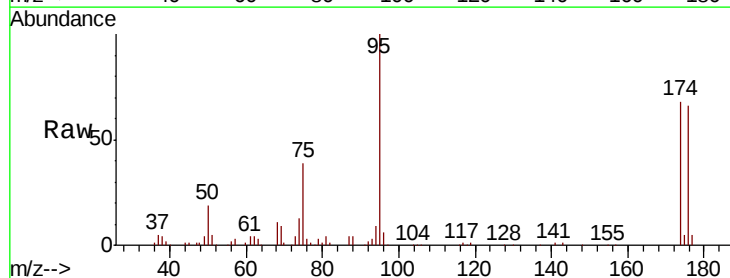
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

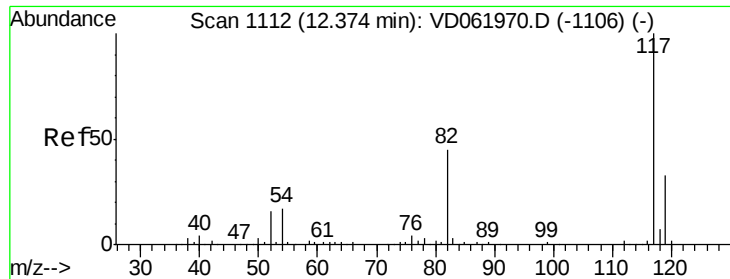
Tot Ion:107 Resp: 76482
 Ion Ratio Lower Upper
 107 100
 109 93.8 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 47.839 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Tgt Ion: 95 Resp: 269519
 Ion Ratio Lower Upper
 95 100
 174 67.7 0.0 181.8
 176 66.3 0.0 174.4

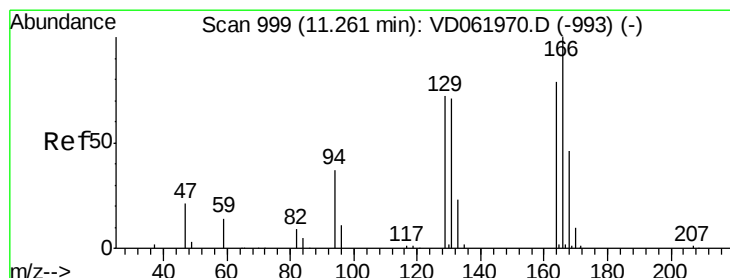
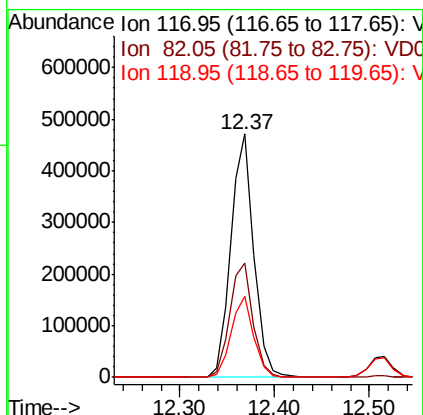
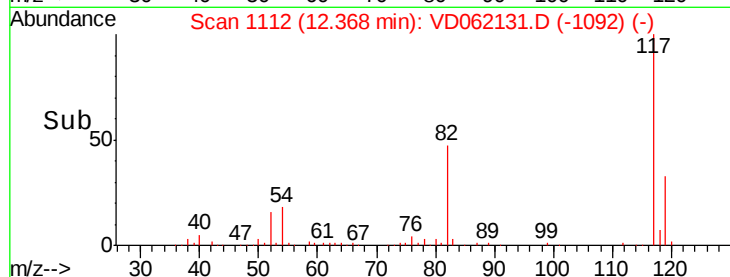
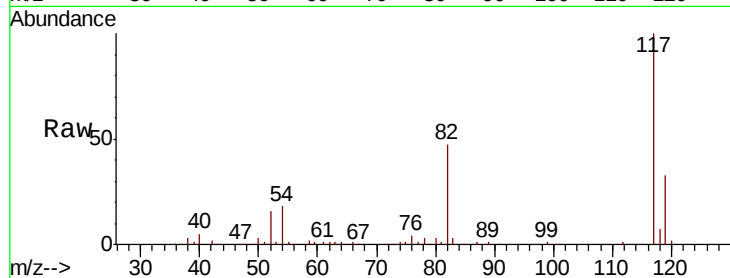




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

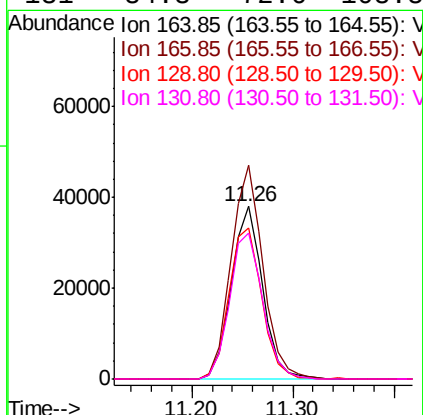
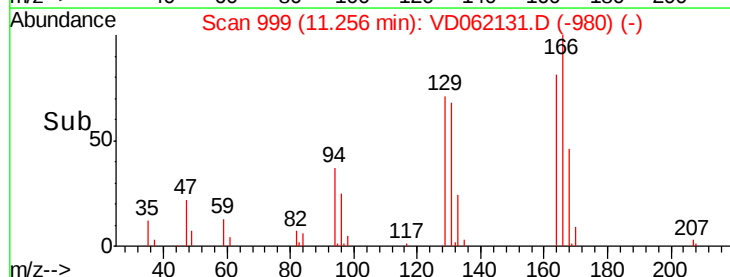
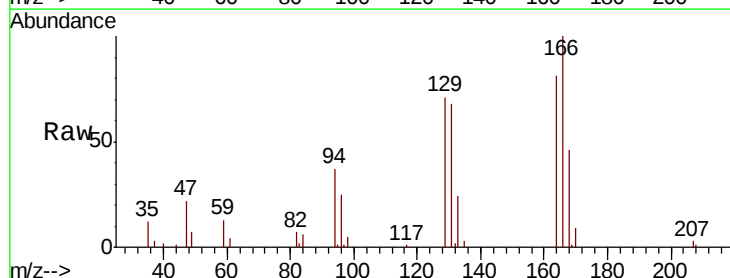
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

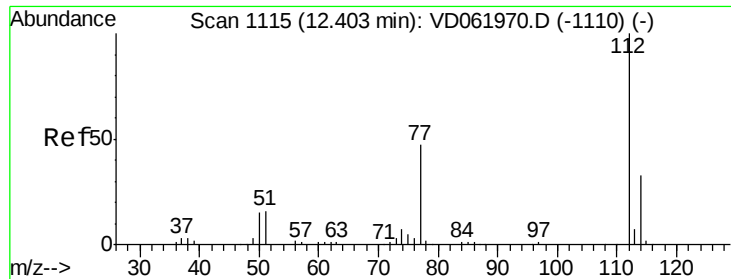
Tot Ion:117 Resp: 787048
Ion Ratio Lower Upper
117 100
82 47.2 36.2 54.2
119 33.1 26.2 39.4



#64
Tetrachloroethene
Concen: 14.495 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion:164 Resp: 81379
Ion Ratio Lower Upper
164 100
166 123.8 101.5 152.3
129 87.3 74.6 112.0
131 84.3 72.6 108.8

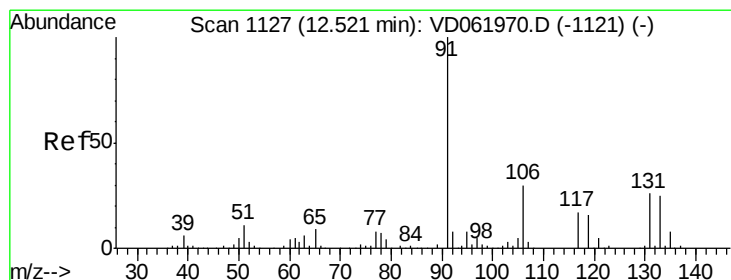
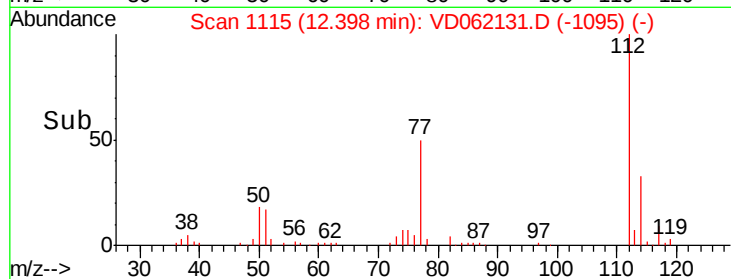
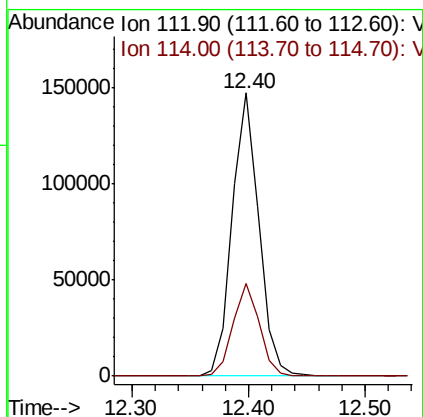
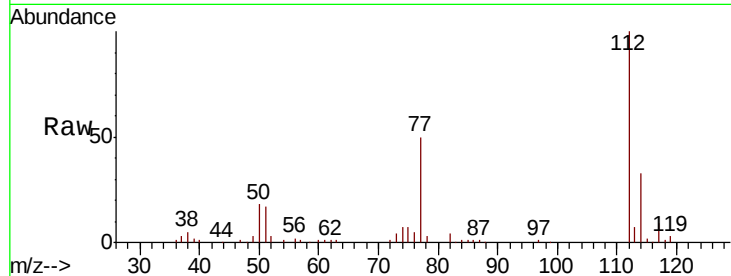




#65
Chlorobenzene
Concen: 15.728 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

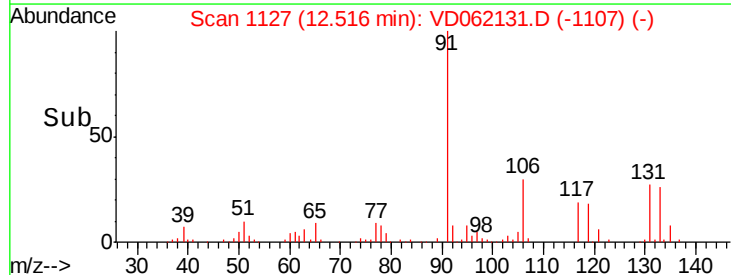
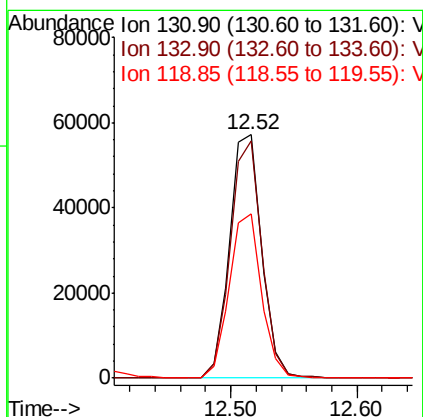
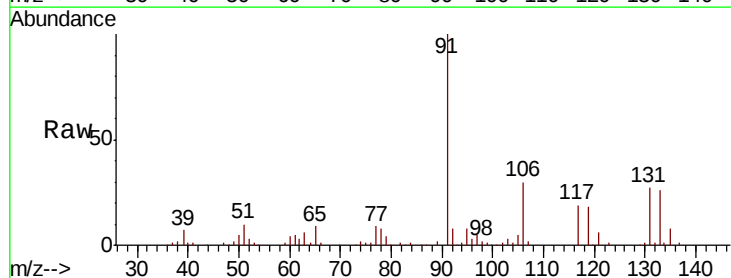
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

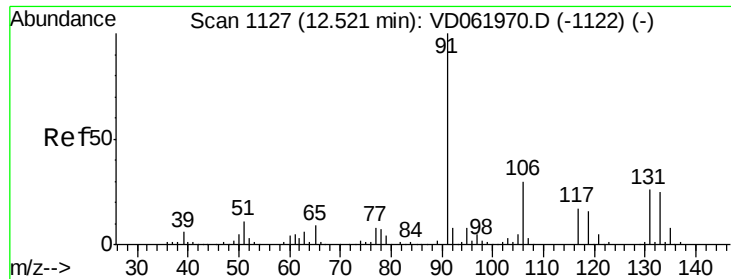
Tot Ion:112 Resp: 233919
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 15.888 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion:131 Resp: 100230
Ion Ratio Lower Upper
131 100
133 97.7 48.6 145.8
119 67.6 34.7 104.1

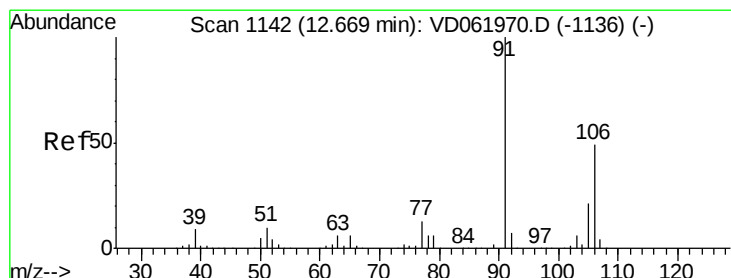
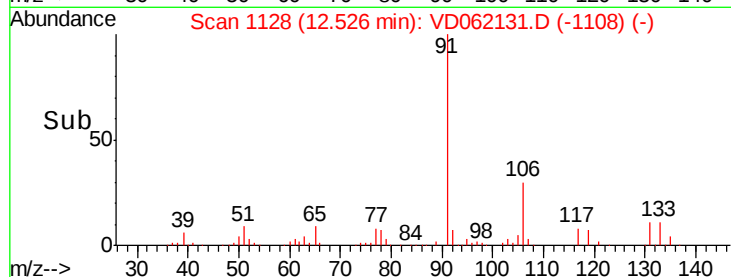
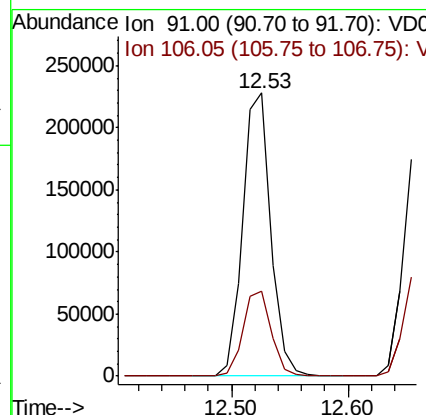
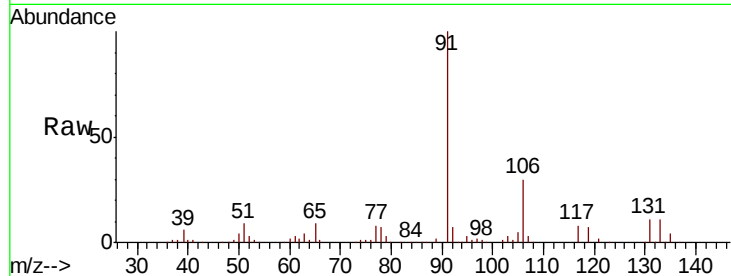




#67
Ethyl Benzene
Concen: 15.657 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

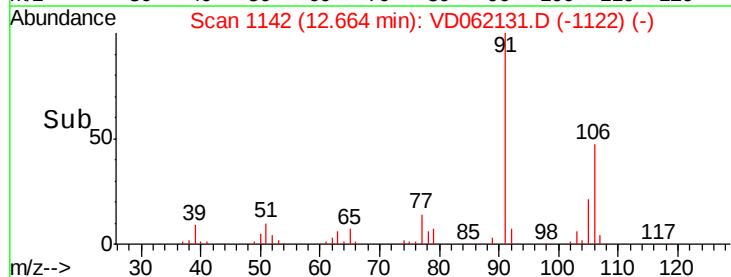
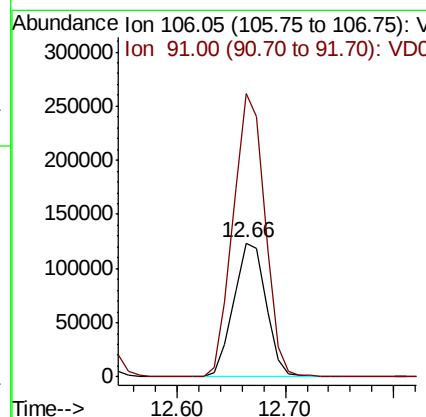
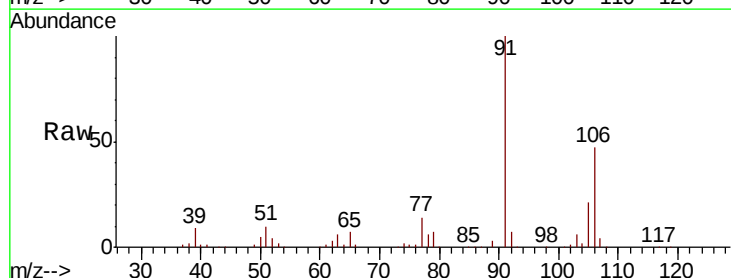
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

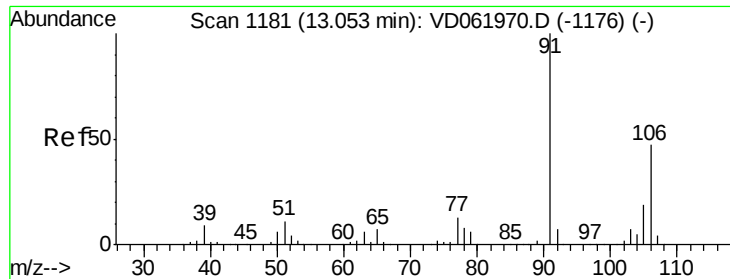
Tot Ion: 91 Resp: 380068
Ion Ratio Lower Upper
91 100
106 29.9 24.7 37.1



#68
m/p-Xylenes
Concen: 29.334 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion: 106 Resp: 257361
Ion Ratio Lower Upper
106 100
91 211.2 164.0 246.0

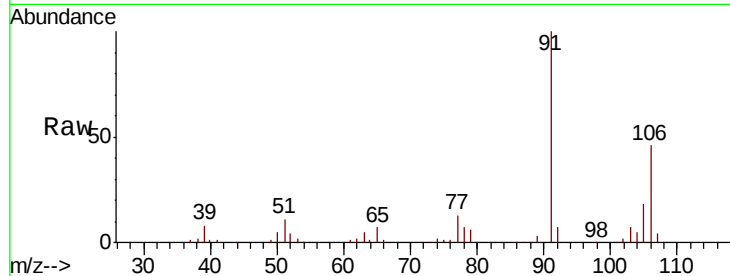




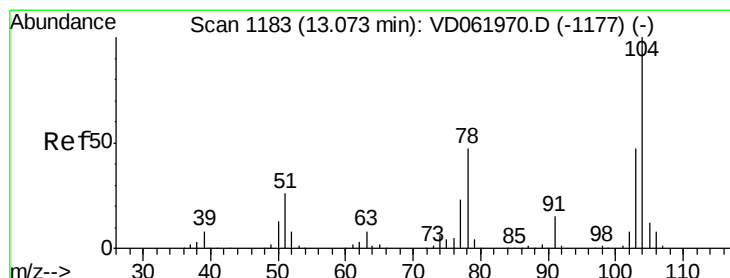
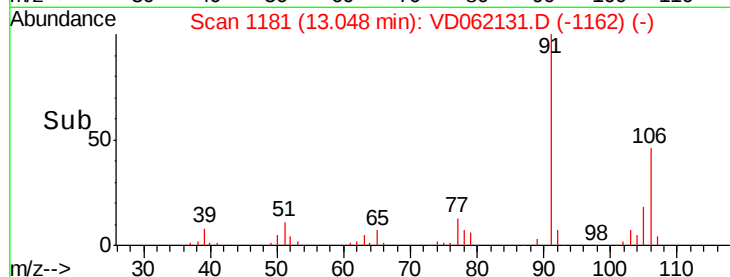
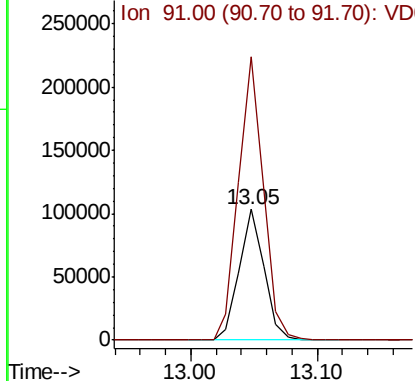
#69
o-Xylene
Concen: 17.625 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

Tot Ion:106 Resp: 141486
Ion Ratio Lower Upper
106 100
91 216.1 106.7 319.9

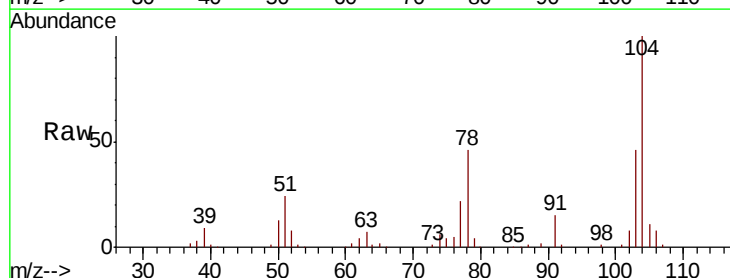


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

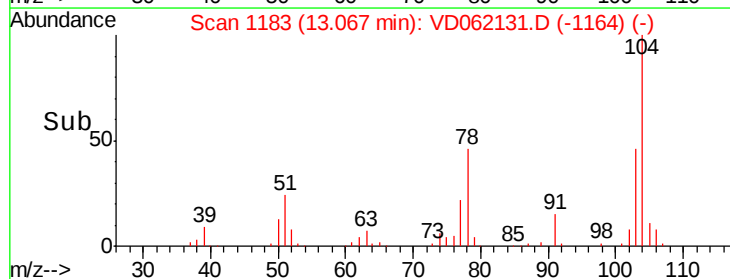
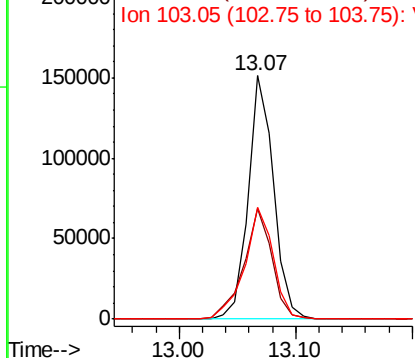


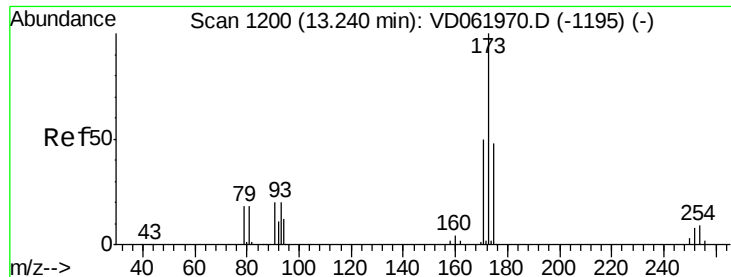
#70
Styrene
Concen: 16.435 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion:104 Resp: 227803
Ion Ratio Lower Upper
104 100
78 45.5 35.4 53.2
103 46.0 37.5 56.3



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





#71

Bromoform

Concen: 18.107 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

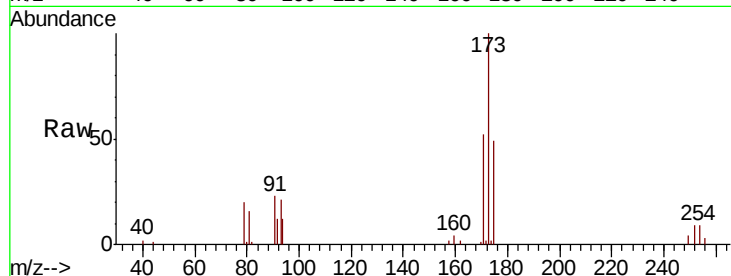
Tot Ion:173 Resp: 65122

Ion Ratio Lower Upper

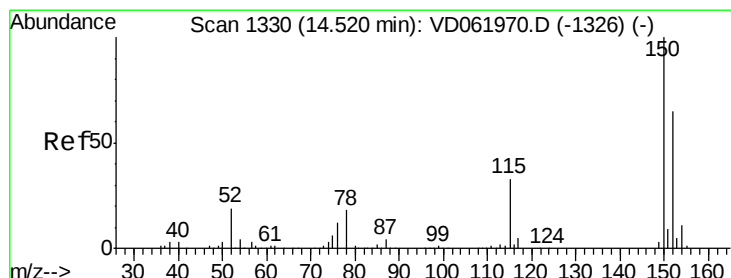
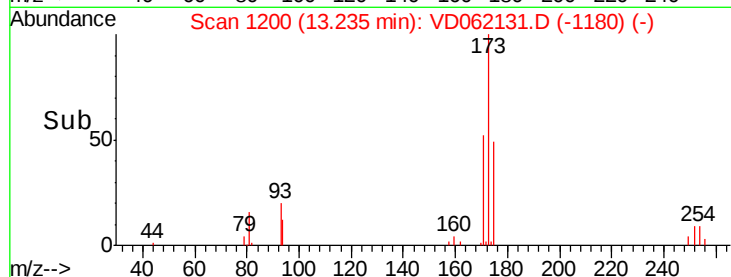
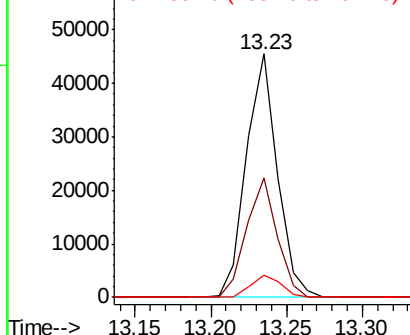
173 100

175 49.1 24.4 73.4

254 9.2 5.4 8.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

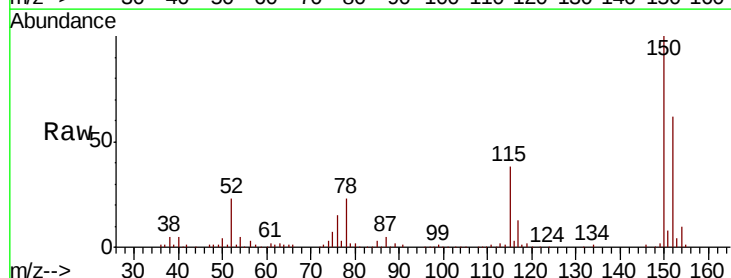
Tgt Ion:152 Resp: 349802

Ion Ratio Lower Upper

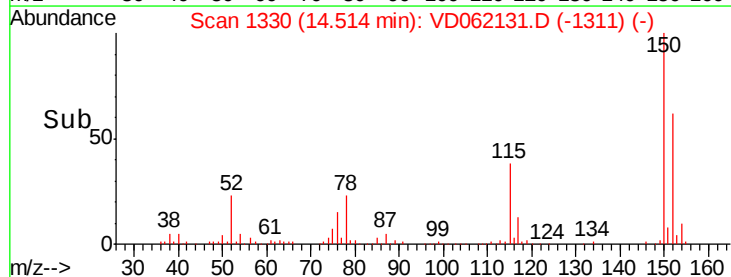
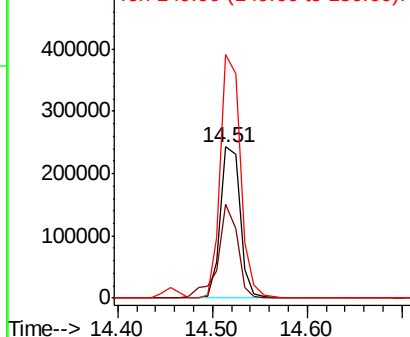
152 100

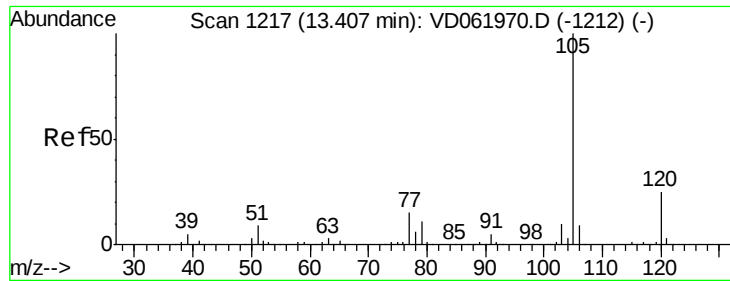
115 61.9 30.9 92.7

150 160.9 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.948 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

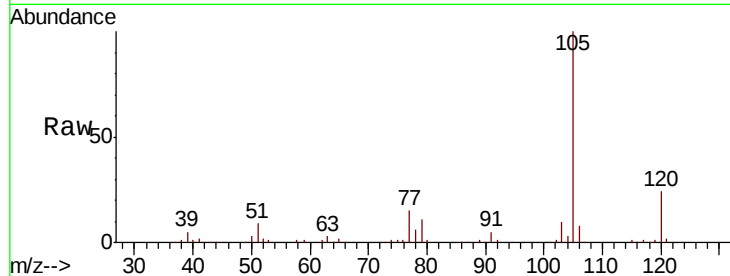
VD0506SBSD01

Tot Ion:105 Resp: 418813

Ion Ratio Lower Upper

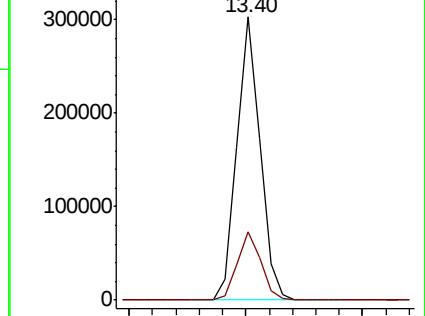
105 100

120 24.1 12.0 36.1

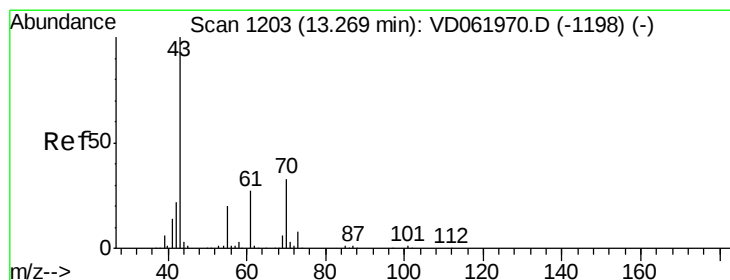
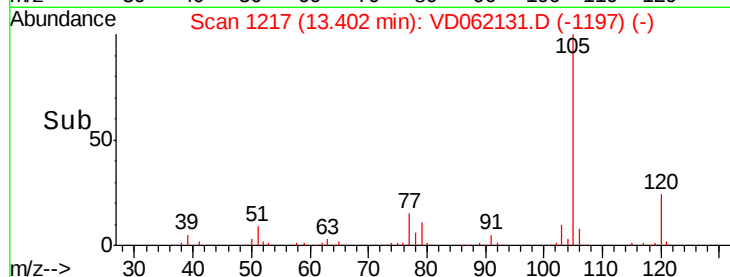


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 16.945 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Tgt Ion: 43 Resp: 101828

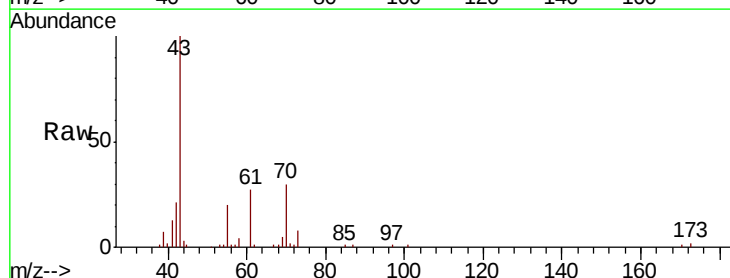
Ion Ratio Lower Upper

43 100

70 30.4 24.2 36.4

55 20.4 16.0 24.0

61 27.0 21.6 32.4

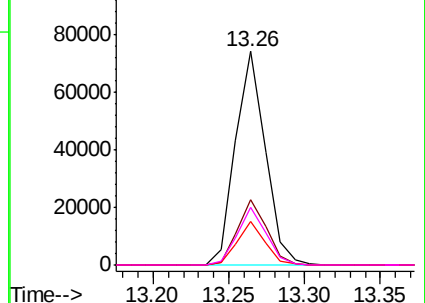


Abundance Ion 42.95 (42.65 to 43.65): V

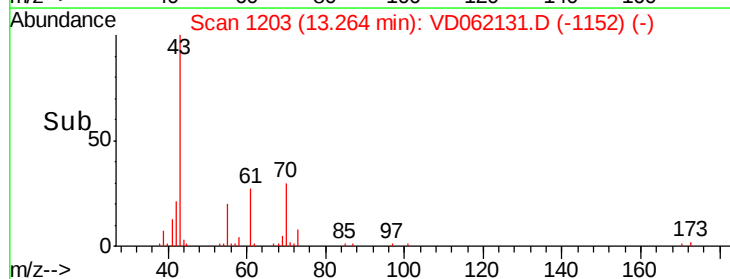
Ion 70.00 (69.70 to 70.70): V

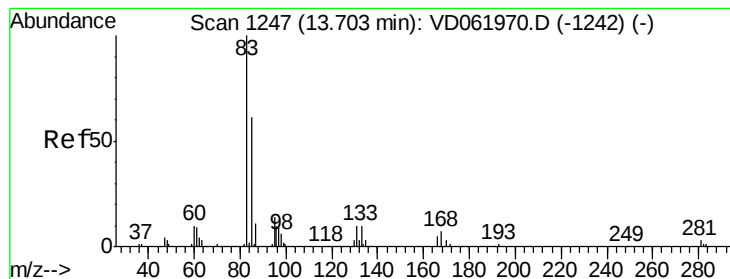
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time--> 13.20 13.25 13.30 13.35





#75

1,1,2,2-Tetrachloroethane

Concen: 17.741 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

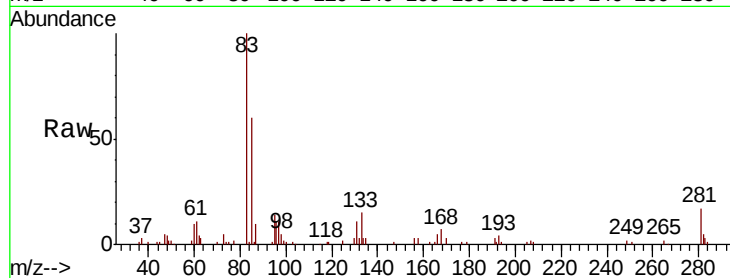
Tot Ion: 83 Resp: 81122

Ion Ratio Lower Upper

83 100

131 10.7 5.0 14.9

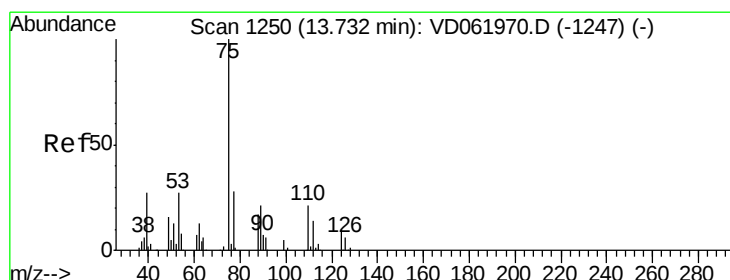
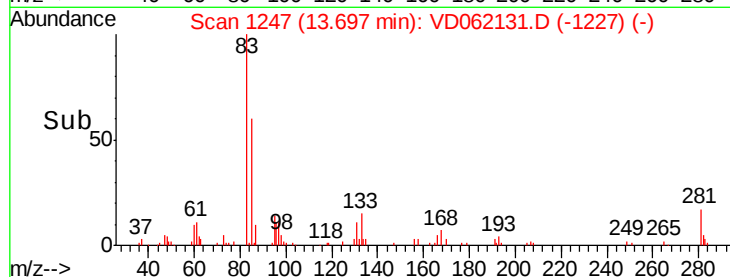
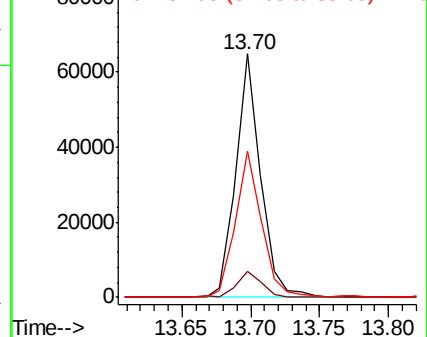
85 60.1 32.6 97.7



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: 15.935 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD062131.D

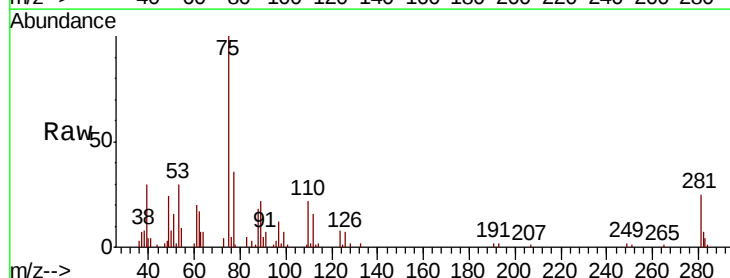
Acq: 6 May 2019 15:26

Tgt Ion: 75 Resp: 70783

Ion Ratio Lower Upper

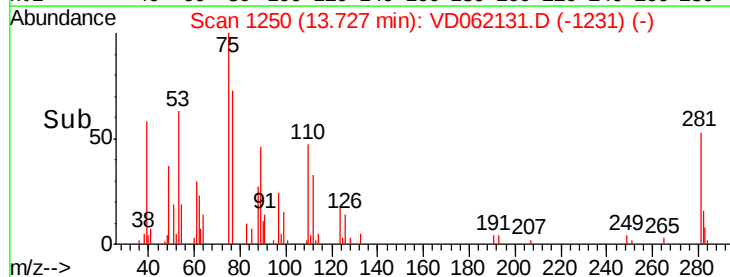
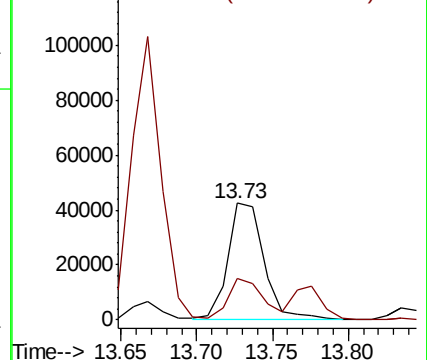
75 100

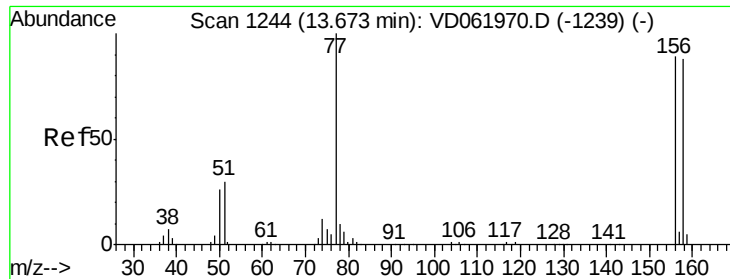
77 35.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 17.375 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

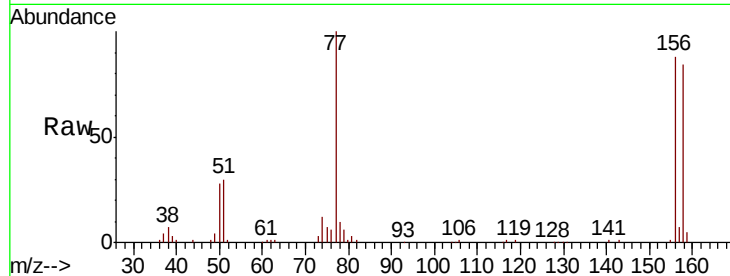
Tot Ion:156 Resp: 116304

Ion Ratio Lower Upper

156 100

77 113.3 53.1 159.4

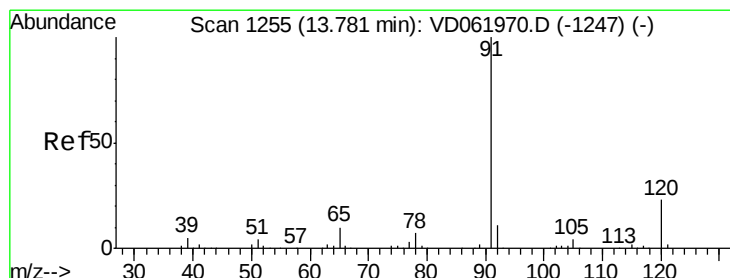
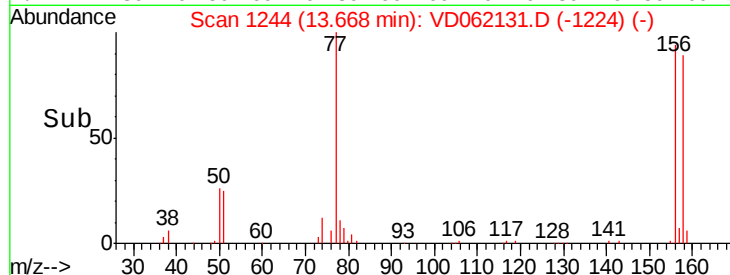
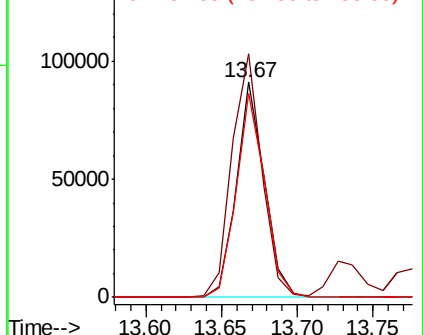
158 95.1 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 17.749 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062131.D

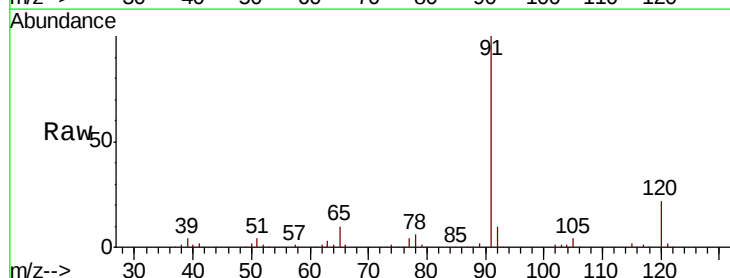
Acq: 6 May 2019 15:26

Tgt Ion: 91 Resp: 474113

Ion Ratio Lower Upper

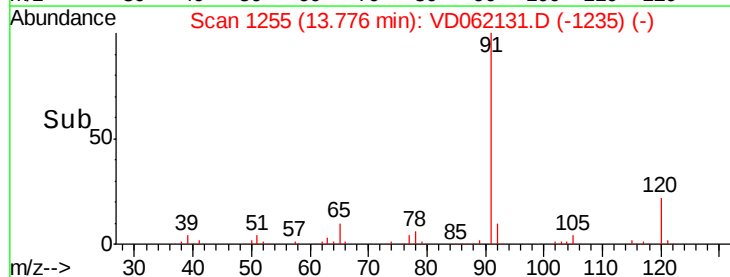
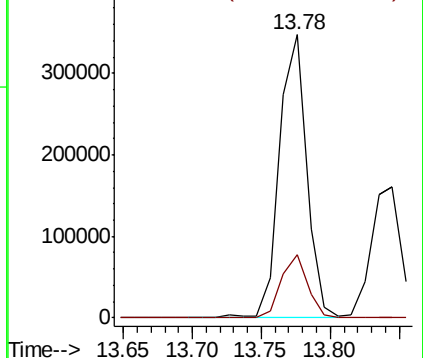
91 100

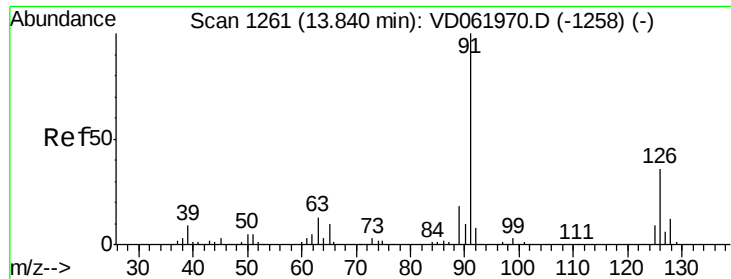
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

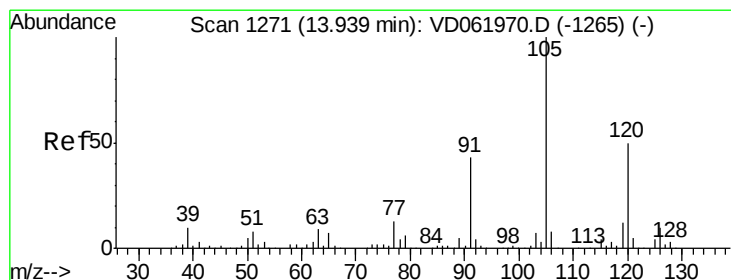
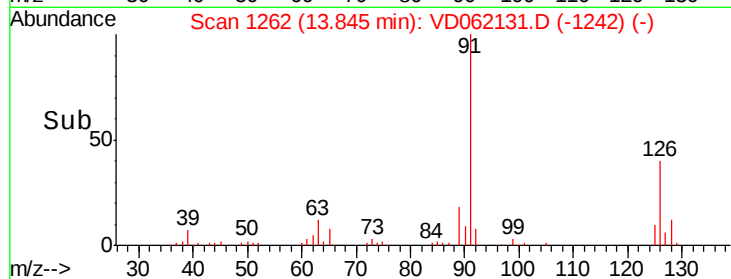
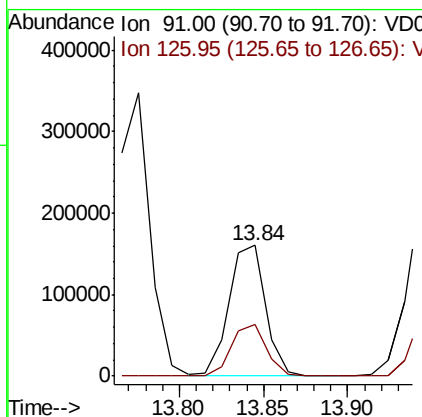
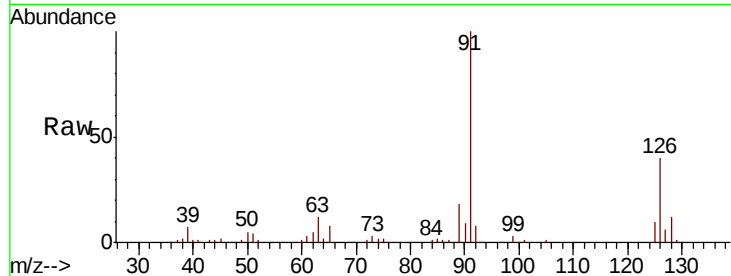




#79
2-Chlorotoluene
Concen: 15.003 ug/l
RT: 13.84 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

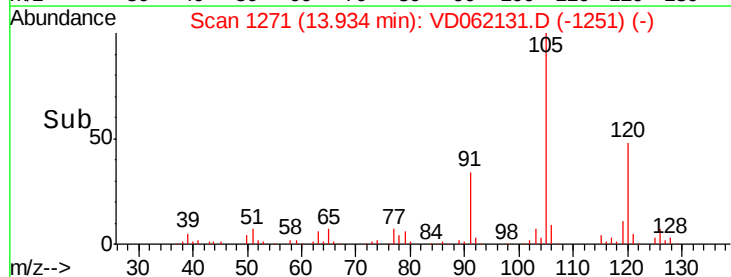
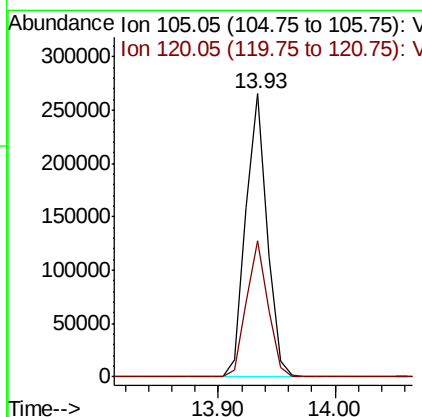
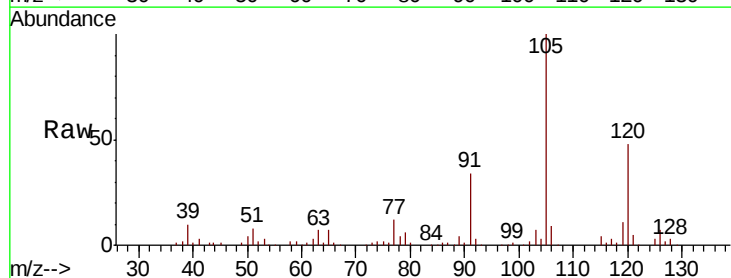
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

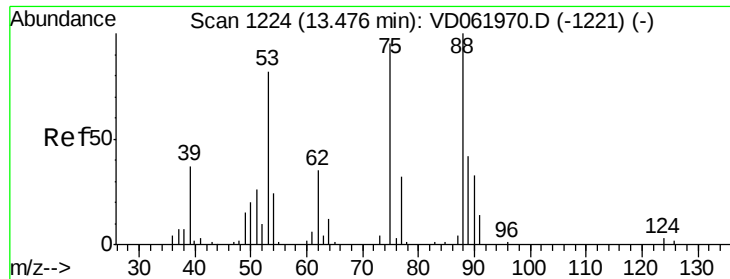
Tot Ion: 91 Resp: 242746
Ion Ratio Lower Upper
91 100
126 39.7 18.6 55.8



#80
1,3,5-Trimethylbenzene
Concen: 18.173 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion:105 Resp: 338123
Ion Ratio Lower Upper
105 100
120 47.9 24.0 72.0

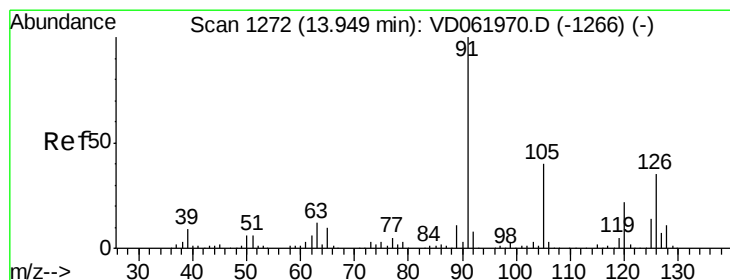
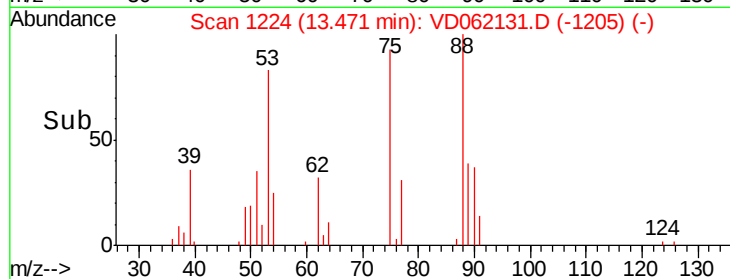
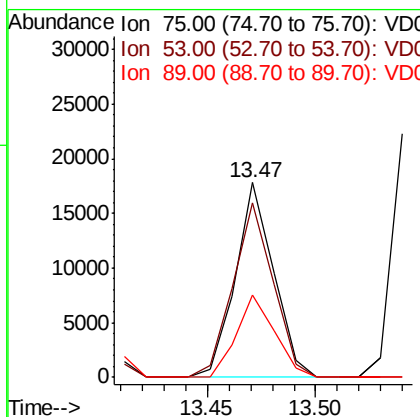
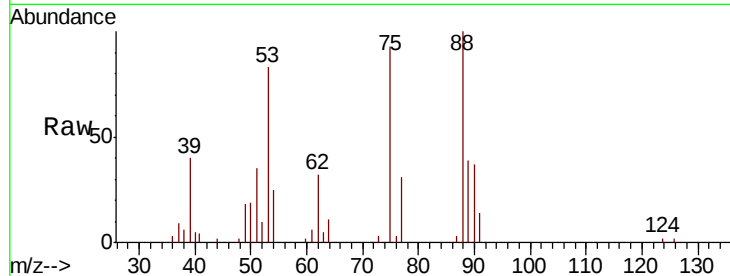




#81
trans-1,4-Dichloro-2-butene
Concen: 16.285 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

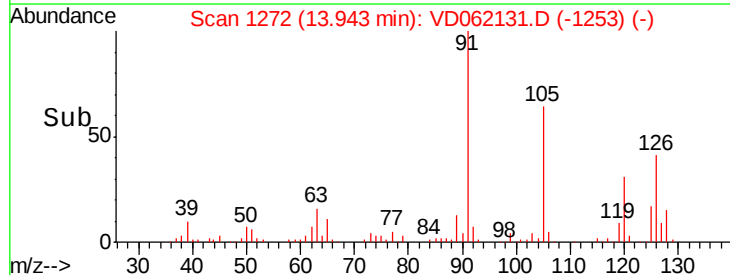
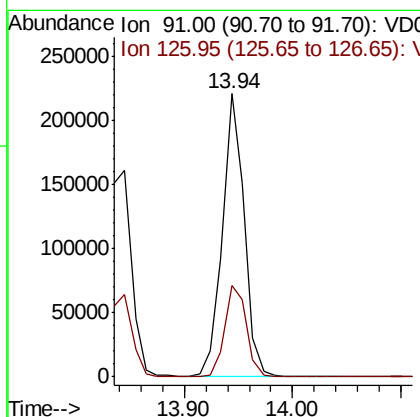
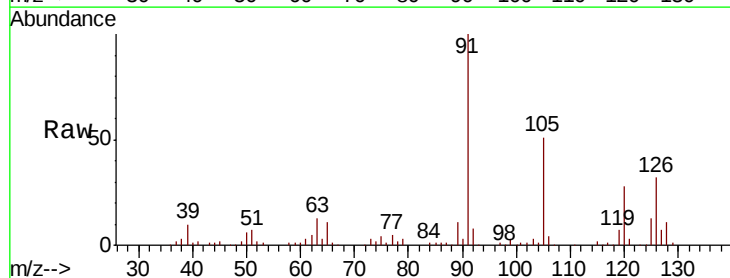
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

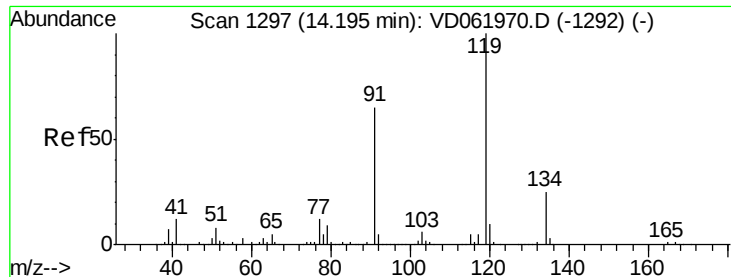
Tot Ion: 75 Resp: 21921
Ion Ratio Lower Upper
75 100
53 89.7 65.8 98.8
89 42.2 35.0 52.6



#82
4-Chlorotoluene
Concen: 17.338 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion: 91 Resp: 308936
Ion Ratio Lower Upper
91 100
126 32.2 19.1 57.5

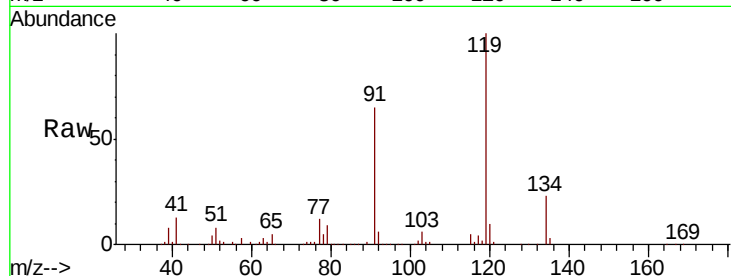




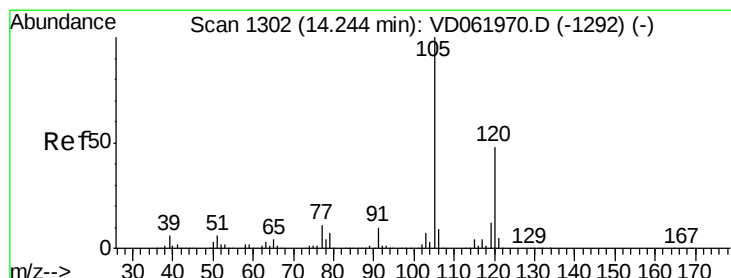
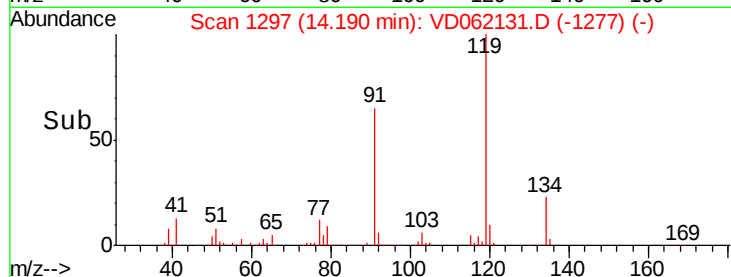
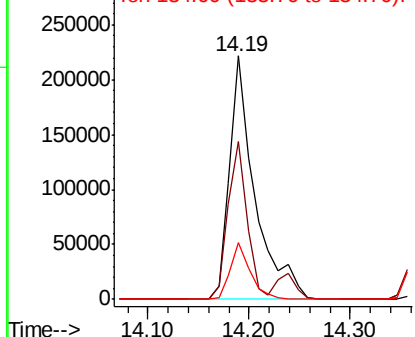
#83
tert-Butylbenzene
Concen: 18.016 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion:119 Resp: 388307
Ion Ratio Lower Upper
119 100
91 64.9 34.2 102.6
134 23.2 12.0 36.0

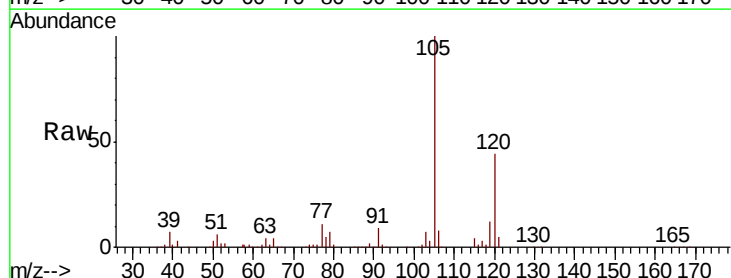


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

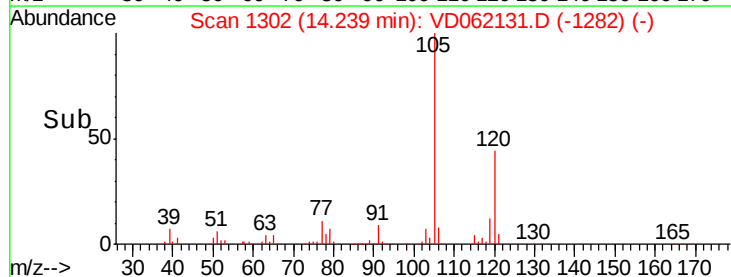
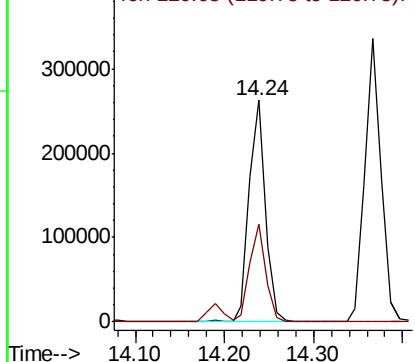


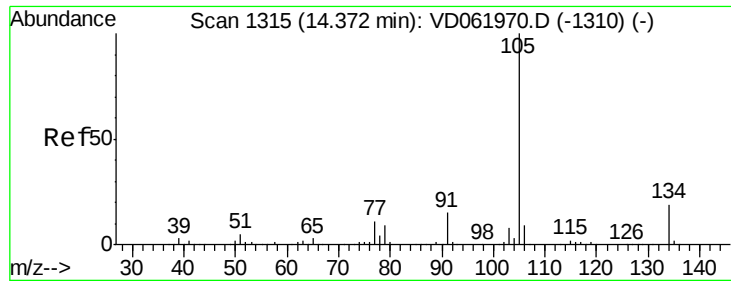
#84
1,2,4-Trimethylbenzene
Concen: 18.696 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion:105 Resp: 332151
Ion Ratio Lower Upper
105 100
120 44.1 23.1 69.2



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

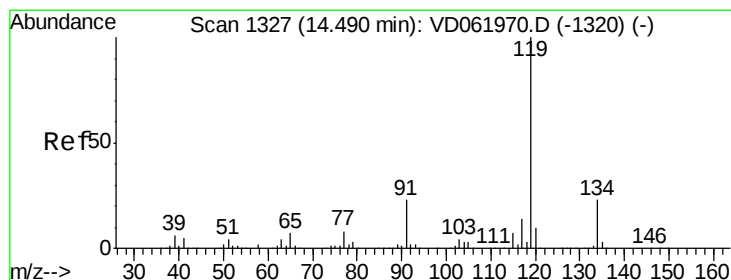
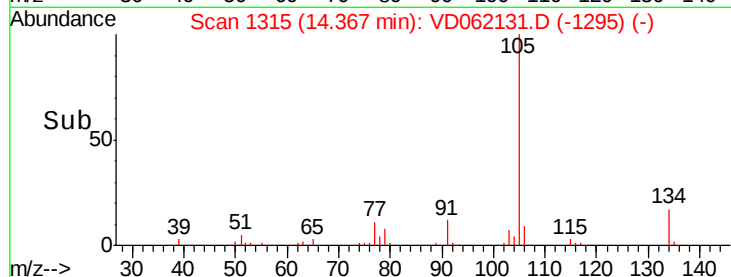
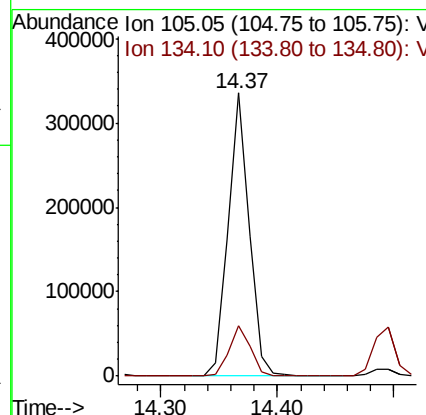
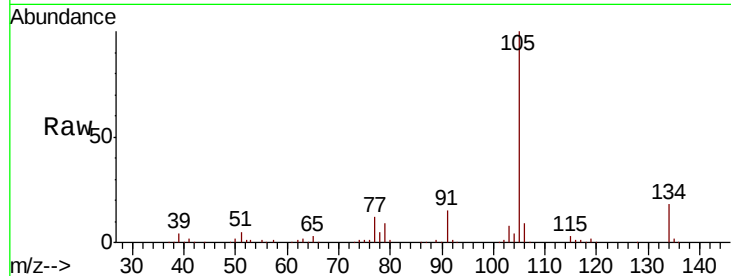




#85
 sec-Butylbenzene
 Concen: 18.063 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

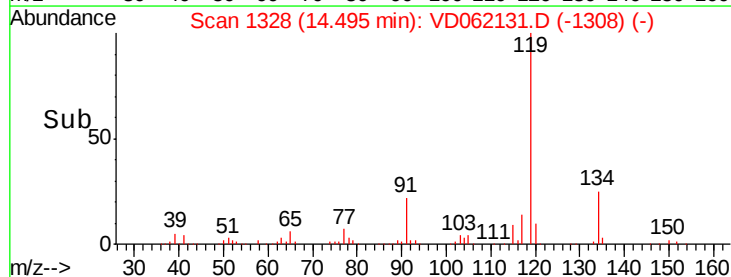
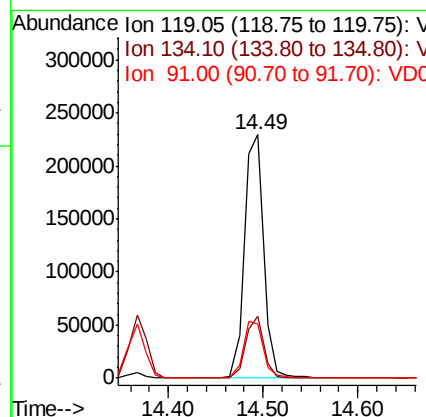
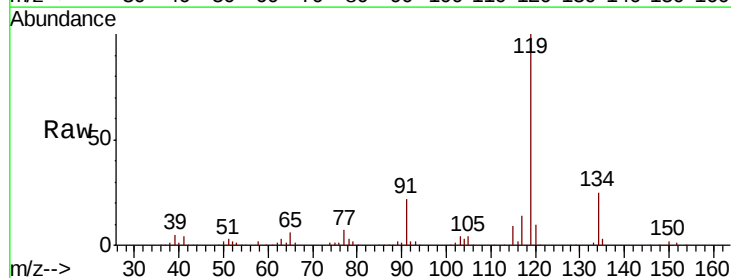
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

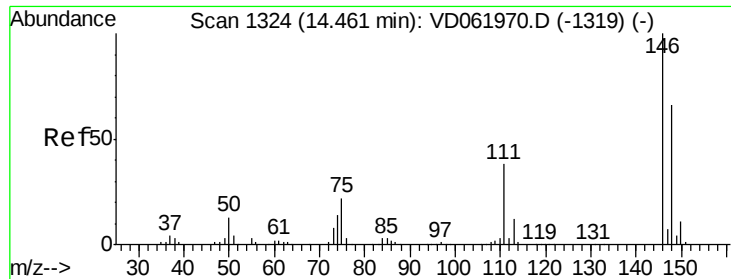
Tot Ion:105 Resp: 420680
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 15.491 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Tgt Ion:119 Resp: 322880
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.8 38.3
 91 22.4 10.7 32.1

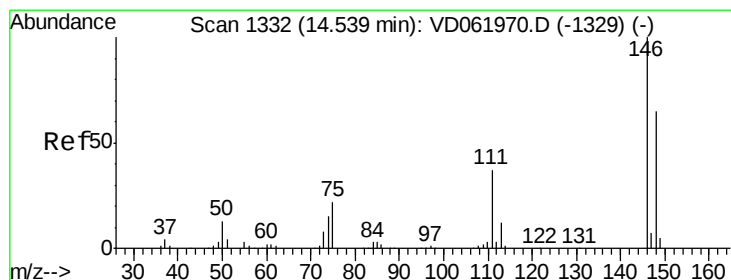
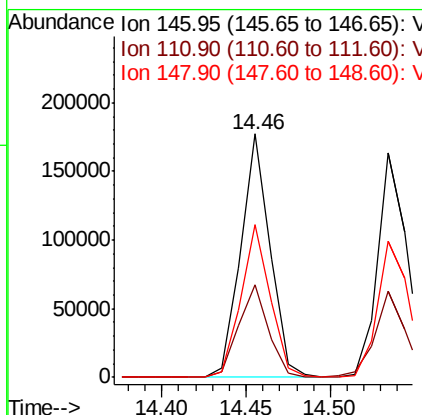
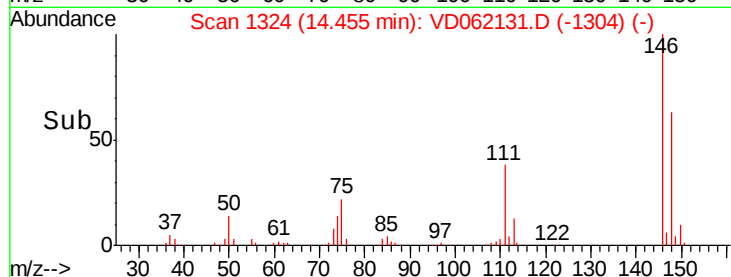
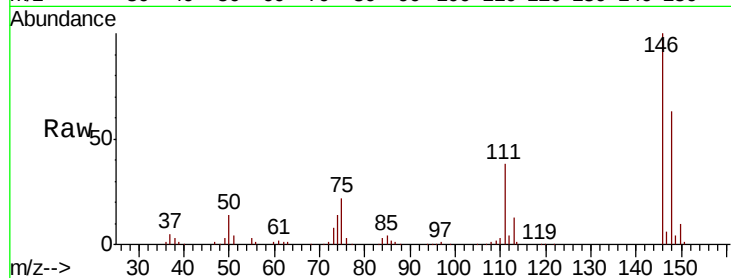




#87
 1,3-Dichlorobenzene
 Concen: 18.263 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

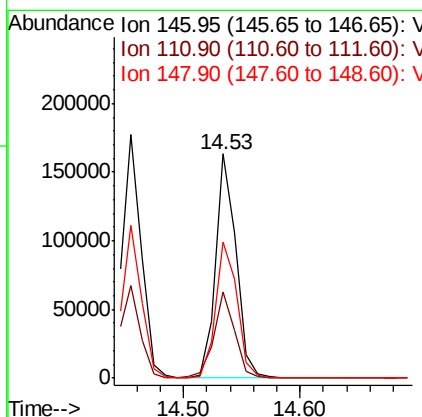
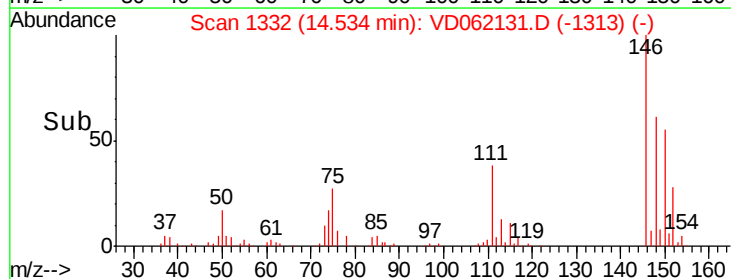
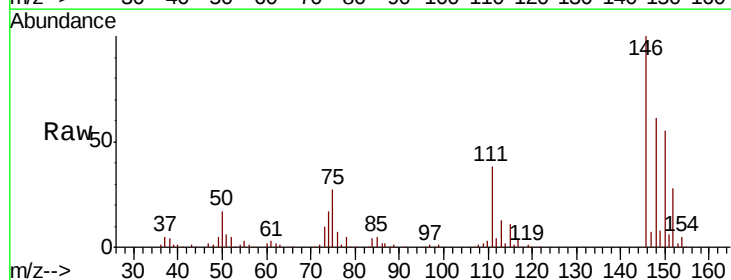
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

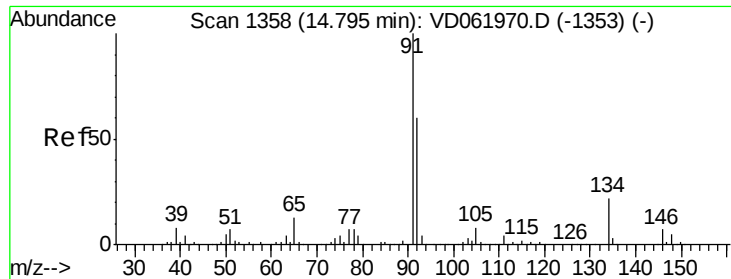
Tot Ion:146 Resp: 214077
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.0 60.0
 148 63.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.044 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Tgt Ion:146 Resp: 197809
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.2 60.5
 148 60.8 32.0 96.2





#89

n-Butylbenzene

Concen: 18.705 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

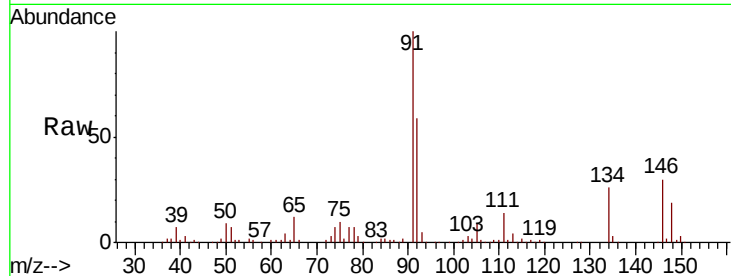
Tot Ion: 91 Resp: 350016

Ion Ratio Lower Upper

91 100

92 59.3 30.3 91.0

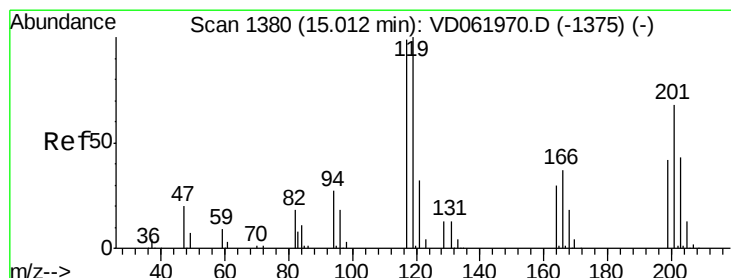
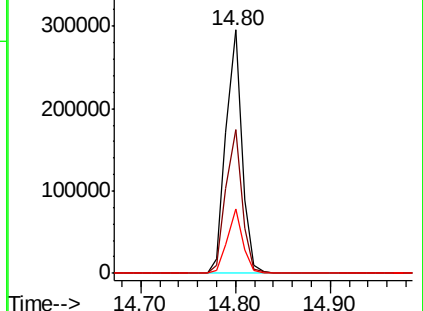
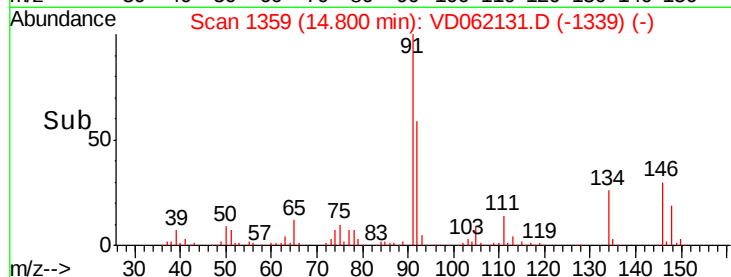
134 26.4 14.5 43.6



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): VDC



#90

Hexachloroethane

Concen: 18.534 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062131.D

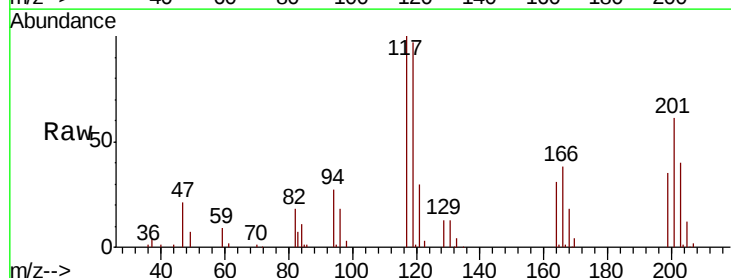
Acq: 6 May 2019 15:26

Tgt Ion: 117 Resp: 104458

Ion Ratio Lower Upper

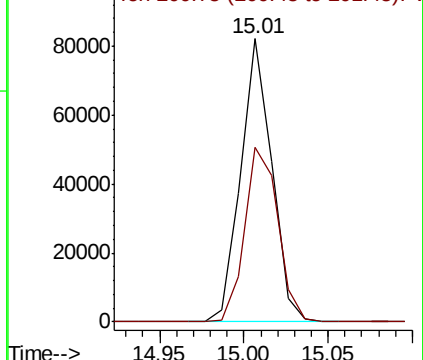
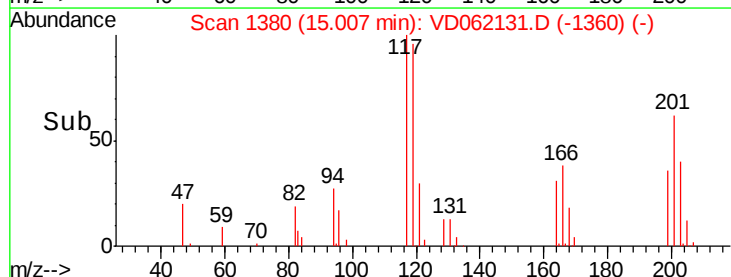
117 100

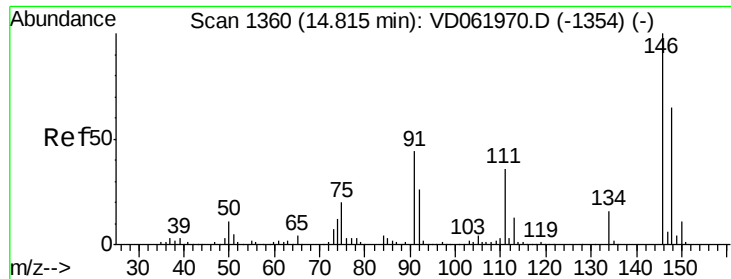
201 61.5 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 18.909 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

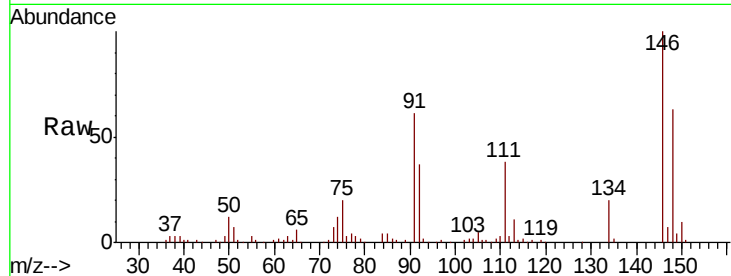
Tot Ion:146 Resp: 182837

Ion Ratio Lower Upper

146 100

111 38.2 20.0 59.9

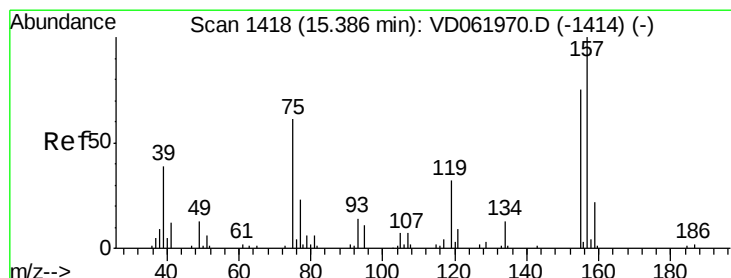
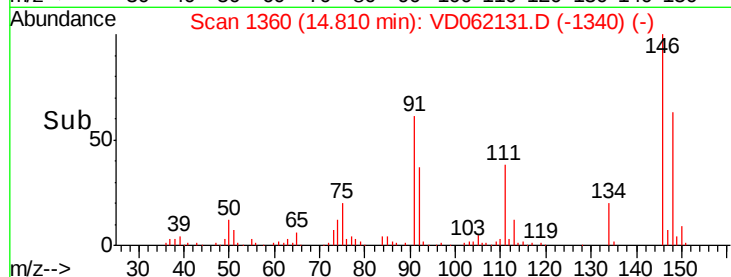
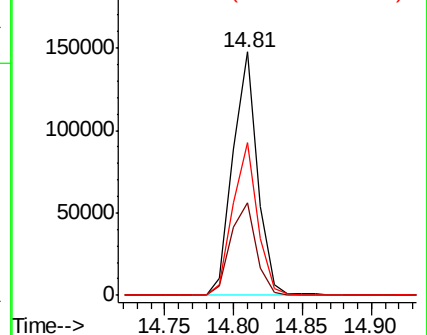
148 62.9 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.720 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD062131.D

Acq: 6 May 2019 15:26

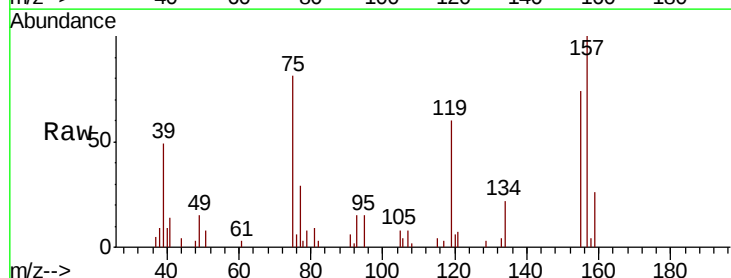
Tgt Ion: 75 Resp: 12183

Ion Ratio Lower Upper

75 100

155 91.8 55.3 165.8

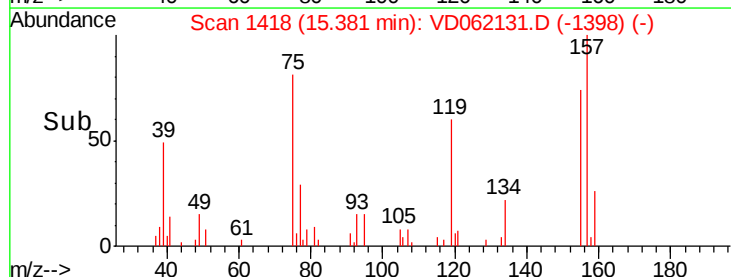
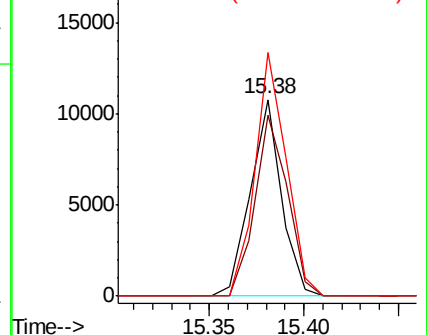
157 123.8 67.8 203.2

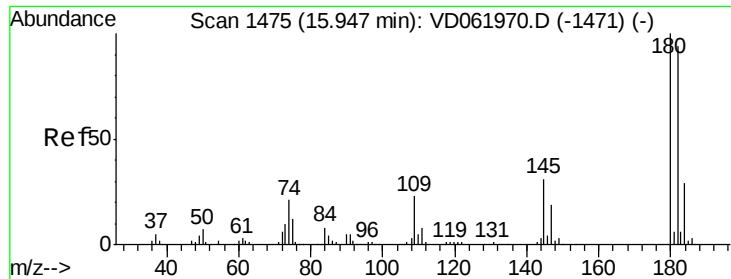


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

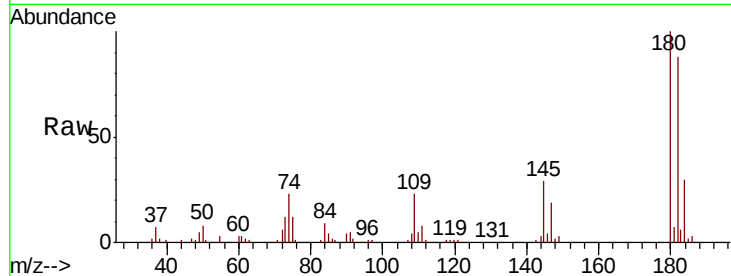




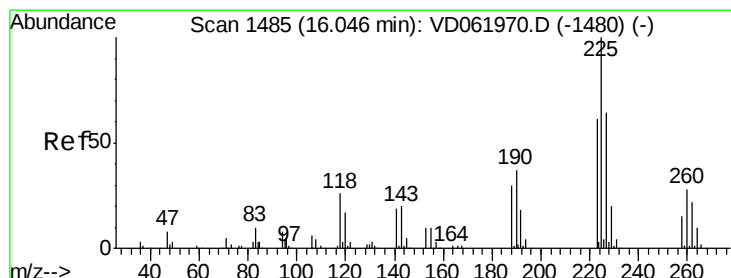
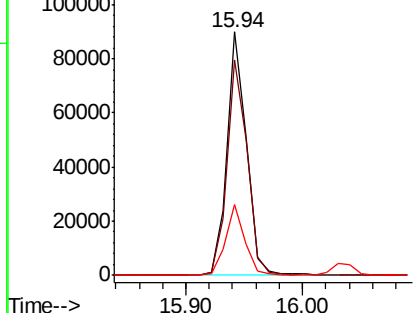
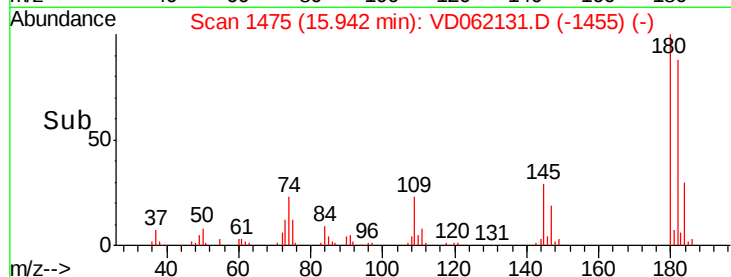
#93
 1,2,4-Trichlorobenzene
 Concen: 19.861 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.3	49.3	147.8
145	29.2	16.2	48.6

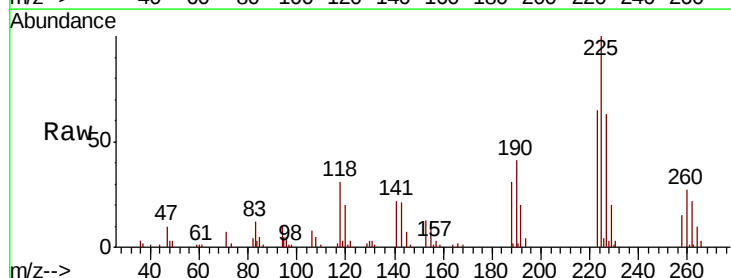


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

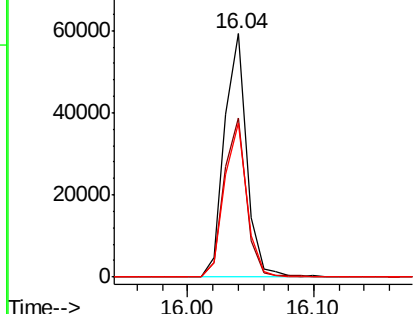
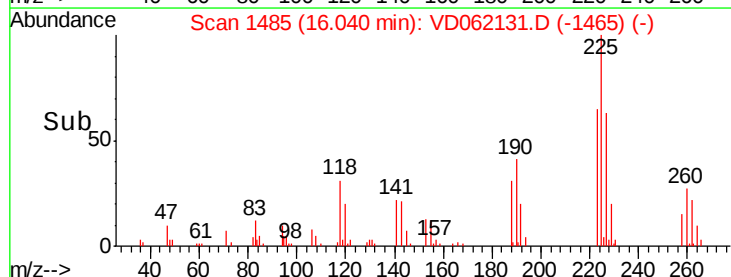


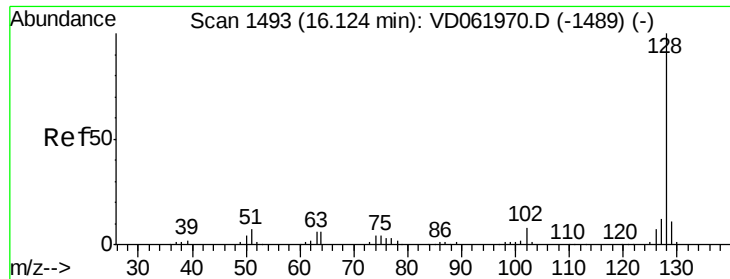
#94
 Hexachlorobutadiene
 Concen: 18.714 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062131.D
 Acq: 6 May 2019 15:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	30.6	92.0
227	63.3	32.0	96.2



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

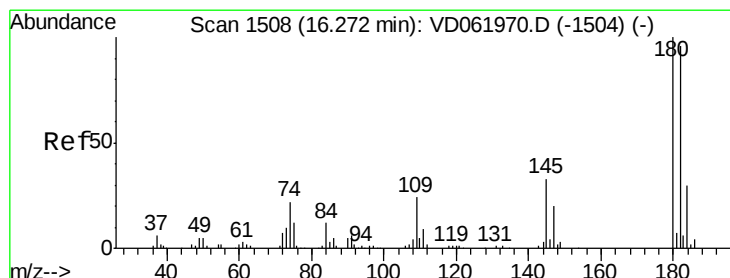
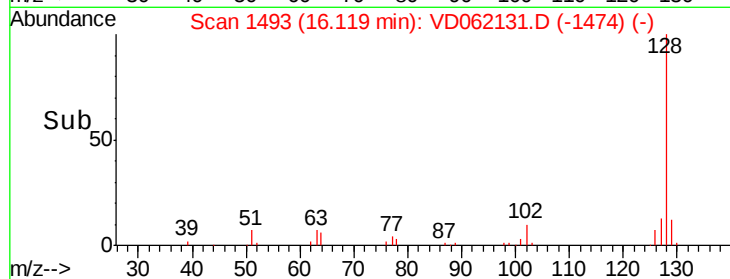
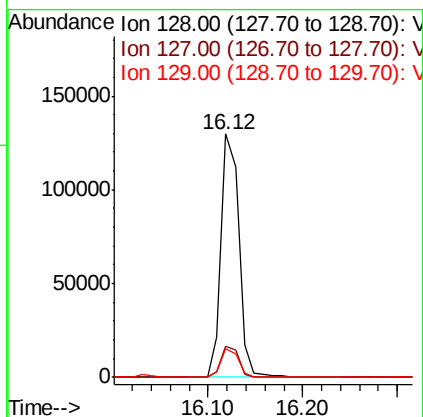
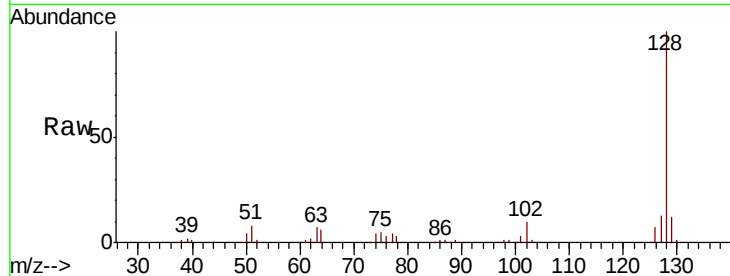




#95
Naphthalene
Concen: 20.198 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion:128 Resp: 170148
Ion Ratio Lower Upper
128 100
127 12.9 9.8 14.8
129 11.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 23.962 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062131.D
Acq: 6 May 2019 15:26

Tgt Ion:180 Resp: 70931
Ion Ratio Lower Upper
180 100
182 99.3 47.0 141.0
145 31.5 17.0 51.0

