

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062388.D
 Acq On : 15 May 2019 15:15
 Operator : FY/SY
 Sample : VD0515SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Quant Time: May 16 03:56:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	629868	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	912388	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	751925	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	435473	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	324943	55.51	ug/l	0.04
Spiked Amount	50.000		Recovery	=	111.02%	
35) Dibromofluoromethane	6.93	113	377829	49.91	ug/l	0.04
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	10.42	98	807706	44.25	ug/l	0.02
Spiked Amount	50.000		Recovery	=	88.50%	
62) 4-Bromofluorobenzene	13.56	95	371463	50.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	103201	17.131	ug/l	96
3) Chloromethane	1.76	50	72888	16.745	ug/l	100
4) Vinyl Chloride	1.85	62	77734	18.171	ug/l	98
5) Bromomethane	2.15	94	29538	29.467	ug/l	94
6) Chloroethane	2.26	64	37694	20.998	ug/l	91
7) Trichlorofluoromethane	2.53	101	198667	23.887	ug/l	99
8) Diethyl Ether	2.88	74	31126	19.405	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	133996	21.298	ug/l	94
10) Methyl Iodide	3.31	142	136611	14.367	ug/l	92
11) Tert butyl alcohol	4.09	59	32430	108.539	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	93021	19.369	ug/l	96
13) Acrolein	3.03	56	24549	79.437	ug/l	92
14) Allyl chloride	3.63	41	141488	20.262	ug/l #	81
15) Acrylonitrile	4.21	53	78353	99.769	ug/l #	80
16) Acetone	3.23	43	156462	127.461	ug/l	90
17) Carbon Disulfide	3.38	76	223737	16.194	ug/l	100
18) Methyl Acetate	3.64	43	48057	21.718	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	220614	21.431	ug/l #	90
20) Methylene Chloride	3.82	84	100204	19.551	ug/l	88
21) trans-1,2-Dichloroethene	4.23	96	92651	17.337	ug/l	95
22) Diisopropyl ether	5.13	45	330271	22.226	ug/l #	94
23) Vinyl Acetate	5.07	43	932448	118.933	ug/l	96
24) 1,1-Dichloroethane	4.99	63	187223	20.885	ug/l	97
25) 2-Butanone	6.08	43	154314	115.251	ug/l	98
26) 2,2-Dichloropropane	6.04	77	205134	22.973	ug/l	89
27) cis-1,2-Dichloroethene	6.05	96	117843	19.700	ug/l	93
28) Bromochloromethane	6.45	49	92413	26.203	ug/l	84
29) Tetrahydrofuran	6.47	42	69288	112.311	ug/l	94
30) Chloroform	6.68	83	241016	22.309	ug/l	100
31) Cyclohexane	6.96	56	111742	18.195	ug/l	95
32) 1,1,1-Trichloroethane	6.88	97	237806	23.288	ug/l	96
36) 1,1-Dichloropropene	7.16	75	142721	19.078	ug/l	89
37) Ethyl Acetate	6.19	43	62770	19.786	ug/l #	88
38) Carbon Tetrachloride	7.12	117	221972	21.438	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	123518	17.233	ug/l	99
40) Benzene	7.46	78	317578	18.800	ug/l	97
41) Methacrylonitrile	6.46	41	84735	21.856	ug/l #	87
42) 1,2-Dichloroethane	7.59	62	166599	23.278	ug/l	93
43) Isopropyl Acetate	9.24	43	87126	19.364	ug/l #	87
44) Trichloroethene	8.55	130	120395	18.704	ug/l	72
45) 1,2-Dichloropropane	8.95	63	75007	17.951	ug/l #	88
46) Dibromomethane	9.08	93	71164	20.944	ug/l	92
47) Bromodichloromethane	9.38	83	176855	21.279	ug/l #	95
48) Methyl methacrylate	9.14	41	58067	20.952	ug/l #	86
49) 1,4-Dioxane	9.09	88	11133	372.320	ug/l #	92
51) 4-Methyl-2-Pentanone	10.31	43	301780	104.344	ug/l	91
52) Toluene	10.51	92	220753	20.085	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	141571	19.709	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	159659	20.375	ug/l	92
55) 1,1,2-Trichloroethane	11.20	97	82767	21.283	ug/l	92
56) Ethyl methacrylate	11.06	69	74144	18.348	ug/l #	82
57) 1,3-Dichloropropane	11.42	76	116221	19.782	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	239169	108.350	ug/l	99
59) 2-Hexanone	11.54	43	239279	112.251	ug/l	91
60) Dibromochloromethane	11.69	129	133527	19.868	ug/l	93
61) 1,2-Dibromoethane	11.81	107	95370	20.172	ug/l	96
64) Tetrachloroethene	11.27	164	105820	17.997	ug/l	94
65) Chlorobenzene	12.40	112	267784	19.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	129749	21.287	ug/l	95
67) Ethyl Benzene	12.53	91	490023	20.900	ug/l	97
68) m/p-Xylenes	12.68	106	352916	41.372	ug/l	85
69) o-Xylene	13.05	106	168697	21.272	ug/l	84
70) Styrene	13.08	104	269440	20.056	ug/l	97
71) Bromoform	13.24	173	82354	19.420	ug/l	99
73) Isopropylbenzene	13.41	105	501172	19.199	ug/l	95
74) N-amyl acetate	13.27	43	125203	18.294	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	87841	17.775	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	100184	19.358	ug/l	99
77) Bromobenzene	13.67	156	131380	17.979	ug/l	85
78) n-propylbenzene	13.78	91	548042	17.600	ug/l	96
79) 2-Chlorotoluene	13.85	91	342783	19.221	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	418447	19.036	ug/l	90
81) trans-1,4-Dichloro-2-buten	13.48	75	22138	15.153	ug/l #	78
82) 4-Chlorotoluene	13.95	91	406625	19.376	ug/l	83
83) tert-Butylbenzene	14.19	119	453143	18.341	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	437090	19.815	ug/l	89
85) sec-Butylbenzene	14.37	105	517388	19.100	ug/l	97
86) p-Isopropyltoluene	14.50	119	482685	19.944	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	245475	18.389	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	238553	18.188	ug/l	98
89) n-Butylbenzene	14.80	91	429570	19.775	ug/l	93
90) Hexachloroethane	15.01	117	121693	18.490	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	213238	19.397	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	16864	20.789	ug/l	65

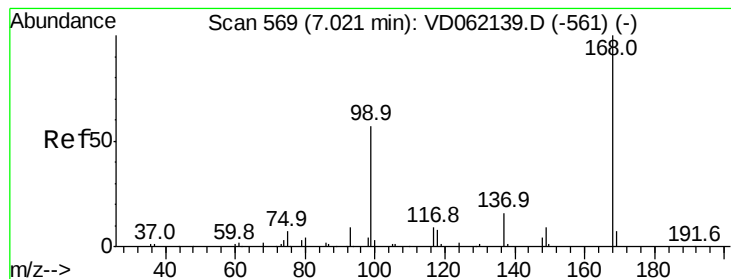
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
Data File : VD062388.D
Acq On : 15 May 2019 15:15
Operator : FY/SY
Sample : VD0515SBSD01
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	148049	18.502	ug/l	98
94) Hexachlorobutadiene	16.04	225	115618	19.427	ug/l	99
95) Naphthalene	16.13	128	211362	18.920	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	118072	23.469	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

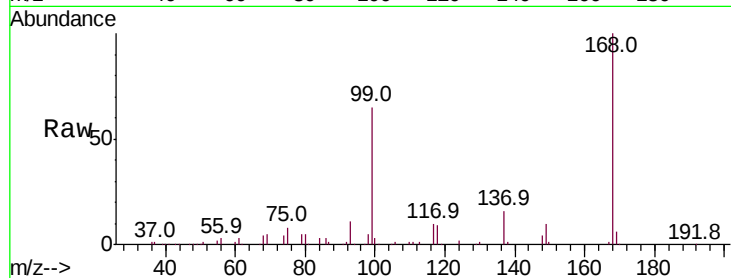
VD0515SBS01

Tot Ion:168 Resp: 629868

Ion Ratio Lower Upper

168 100

99 64.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

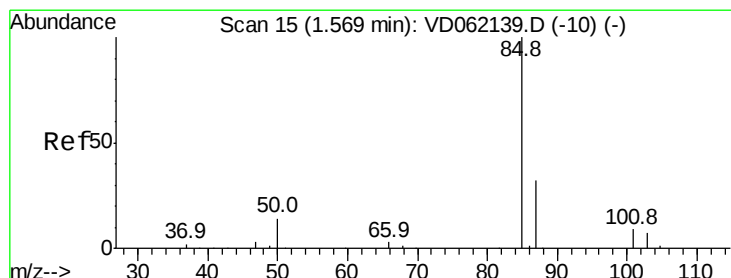
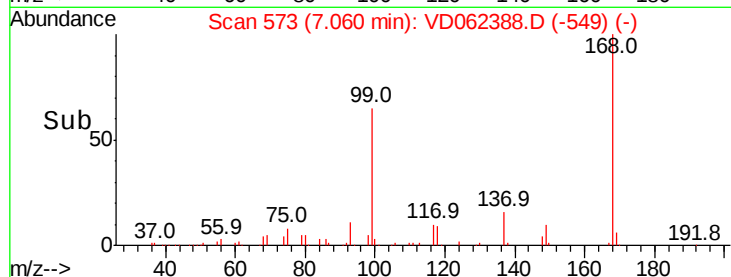
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.131 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062388.D

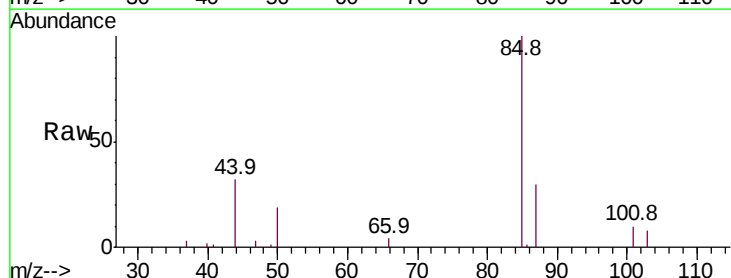
Acq: 15 May 2019 15:15

Tgt Ion: 85 Resp: 103201

Ion Ratio Lower Upper

85 100

87 30.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

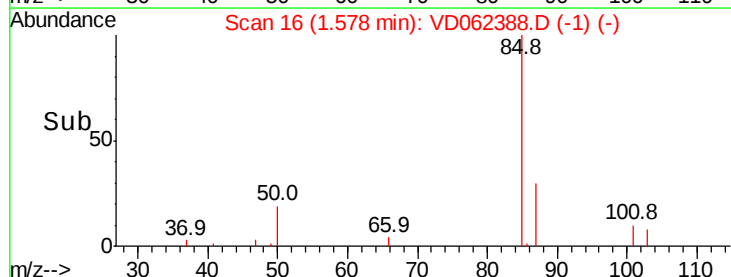
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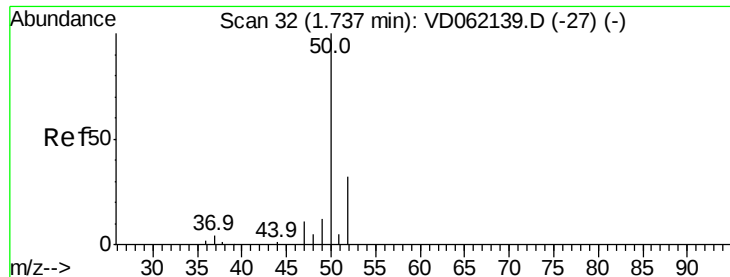
20000

10000

0

Time-->





#3

Chloromethane

Concen: 16.745 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

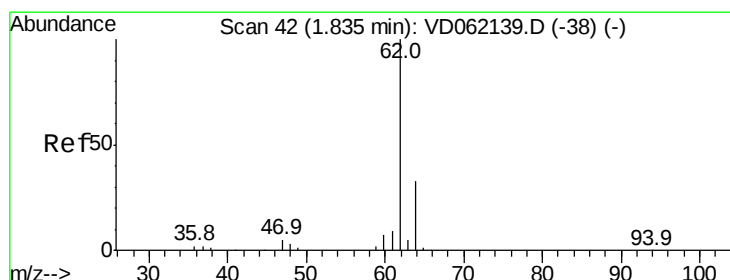
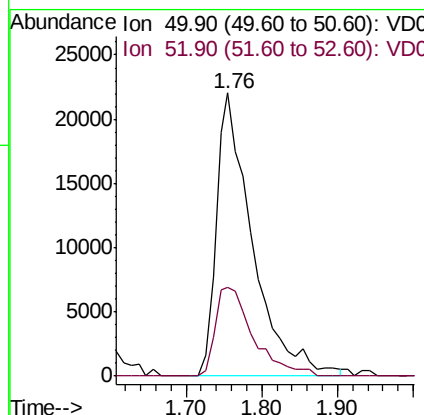
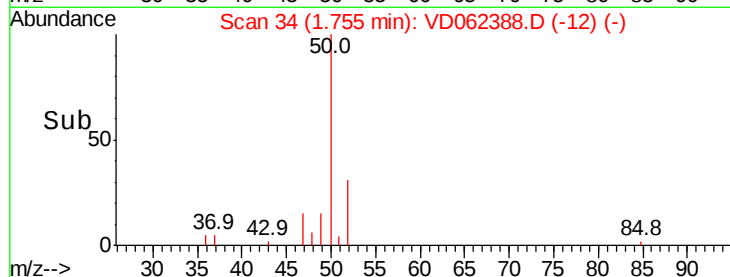
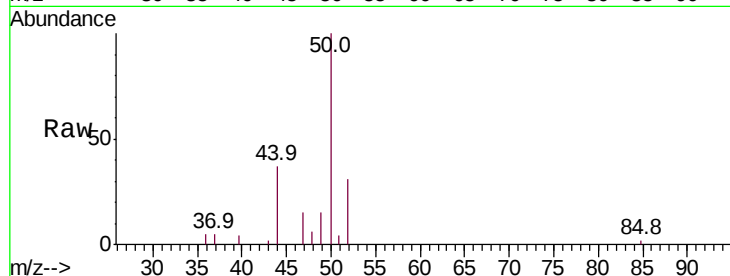
VD0515SBS01

Tot Ion: 50 Resp: 72888

Ion Ratio Lower Upper

50 100

52 31.5 25.2 37.8



#4

Vinyl Chloride

Concen: 18.171 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062388.D

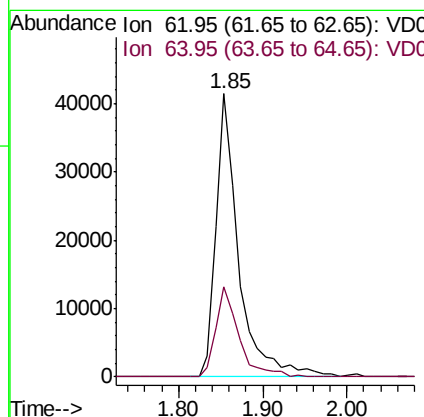
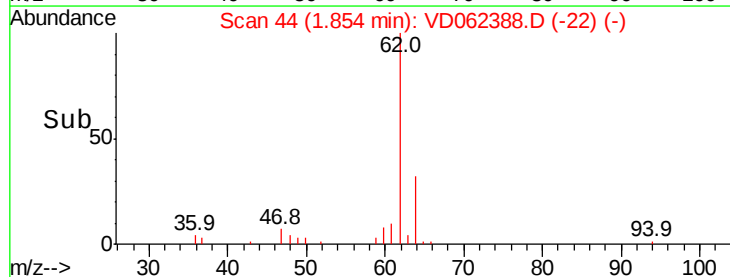
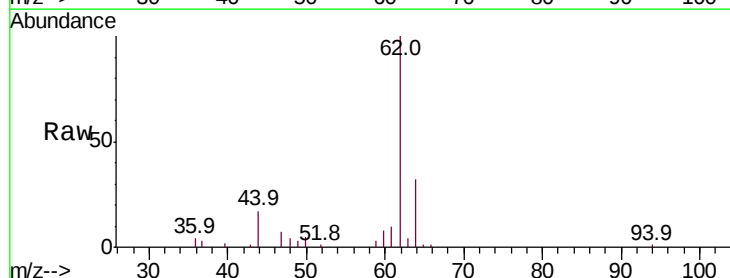
Acq: 15 May 2019 15:15

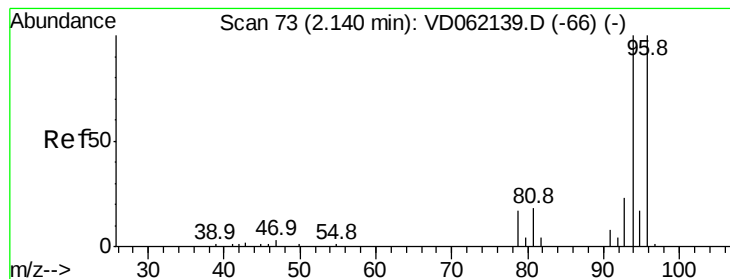
Tgt Ion: 62 Resp: 77734

Ion Ratio Lower Upper

62 100

64 32.0 26.5 39.7





#5

Bromomethane

Concen: 29.467 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

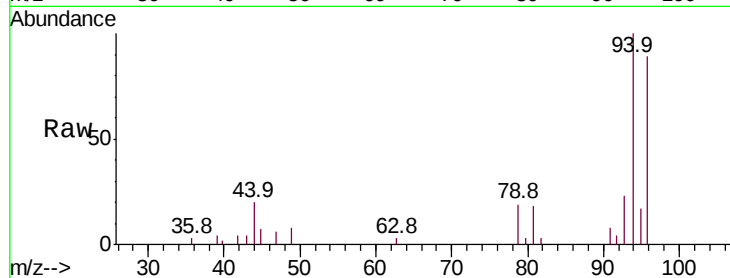
Tot Ion: 94 Resp: 29538

Ion Ratio Lower Upper

94 100

96 89.1 76.6 115.0

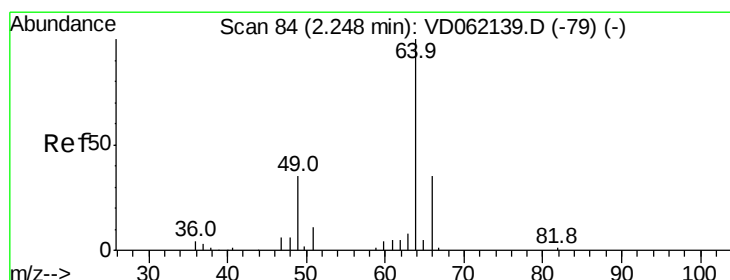
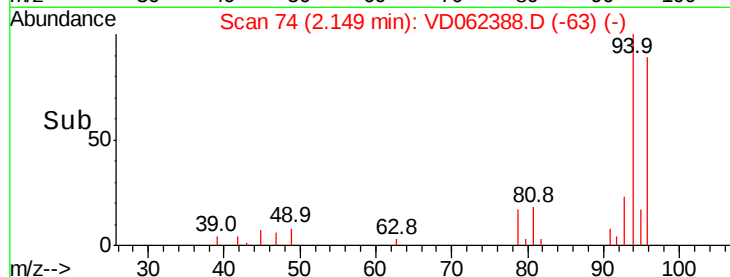
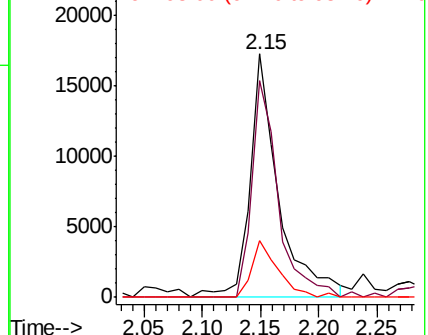
93 23.2 18.5 27.7



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: 20.998 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062388.D

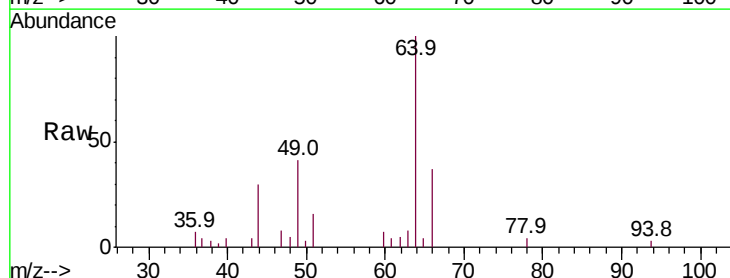
Acq: 15 May 2019 15:15

Tgt Ion: 64 Resp: 37694

Ion Ratio Lower Upper

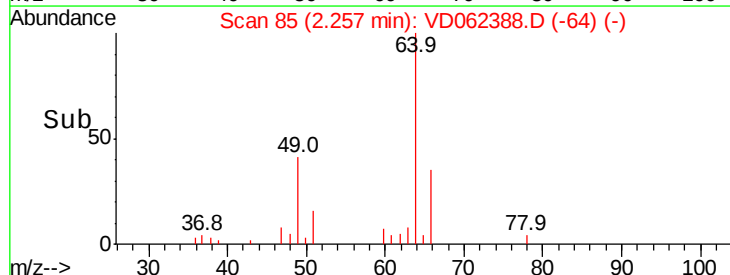
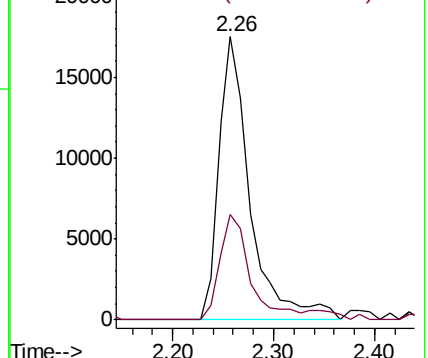
64 100

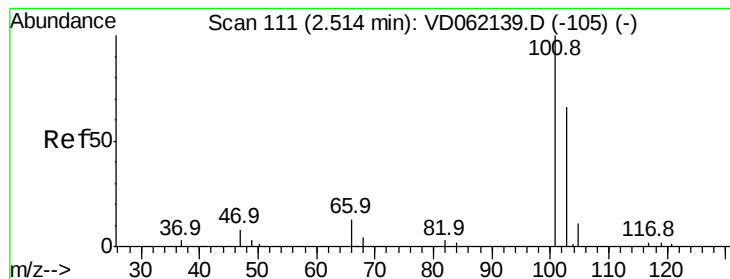
66 37.1 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



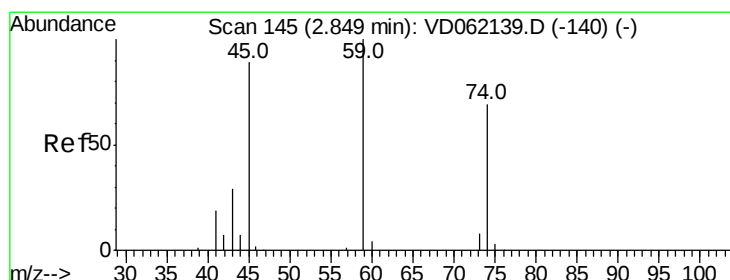
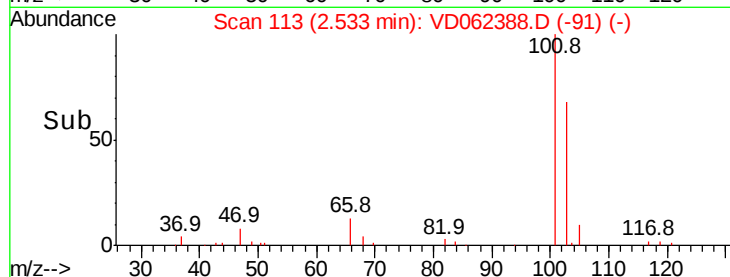
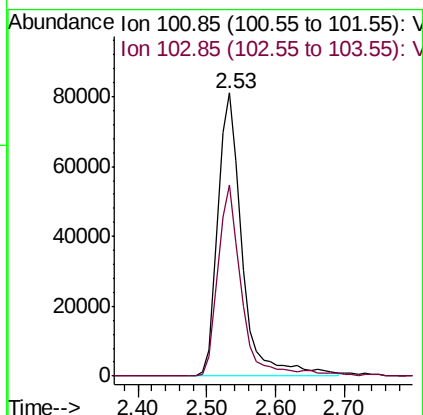
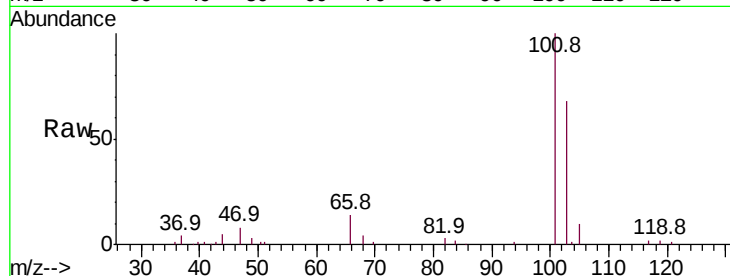


#7

Trichlorofluoromethane
 Concen: 23.887 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Instrument :
 MSVOA_D
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 VD0515SBS01

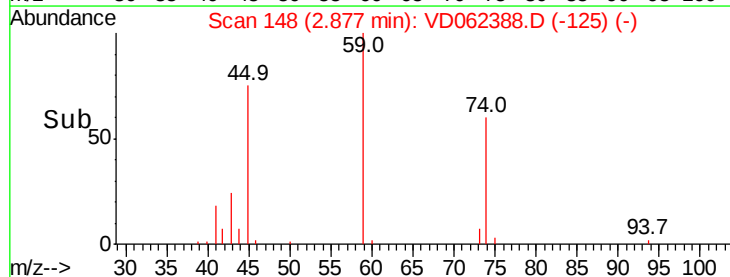
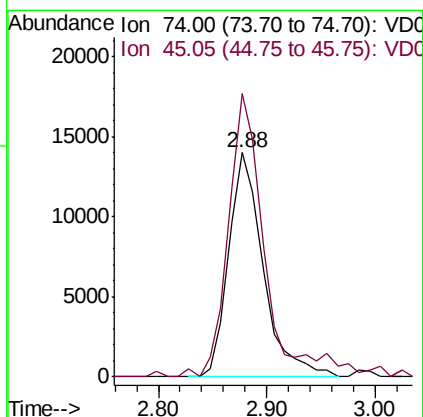
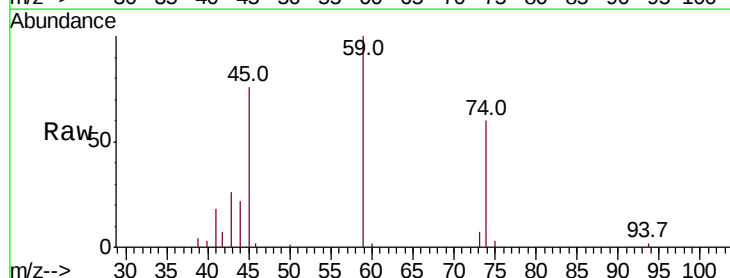
Tot Ion:101 Resp: 198667
 Ion Ratio Lower Upper
 101 100
 103 67.6 53.6 80.4

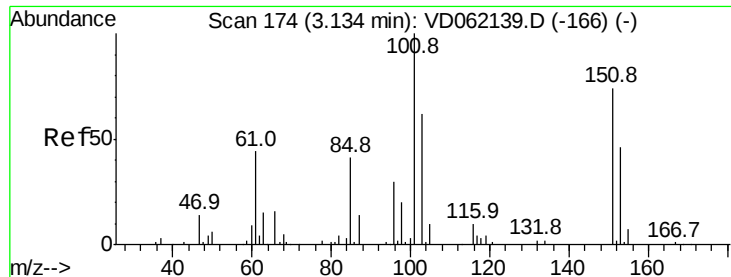


#8

Diethyl Ether
 Concen: 19.405 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Tgt Ion: 74 Resp: 31126
 Ion Ratio Lower Upper
 74 100
 45 130.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.298 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

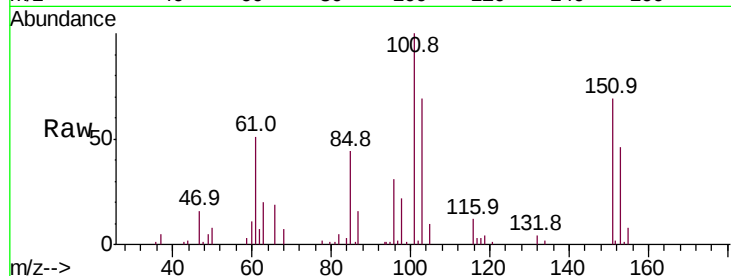
Tot Ion:101 Resp: 133996

Ion Ratio Lower Upper

101 100

85 43.7 32.4 48.6

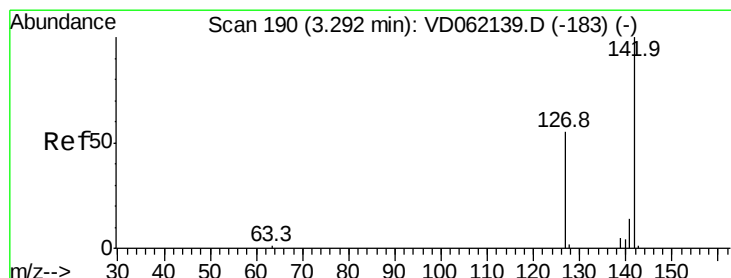
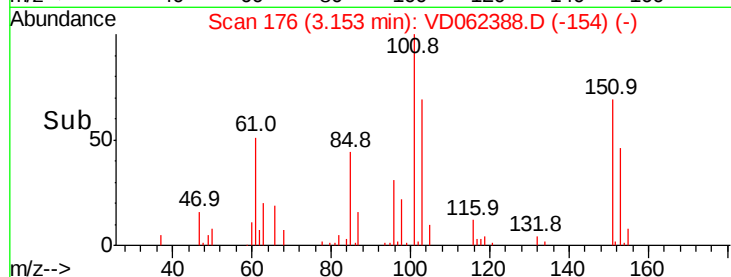
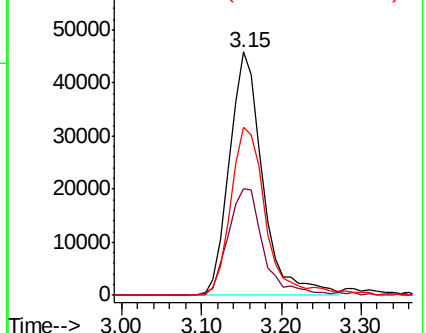
151 68.8 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 14.367 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

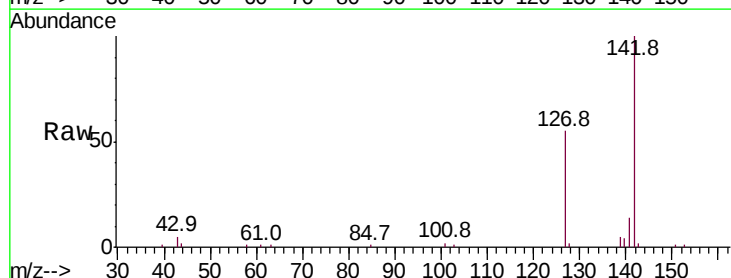
Tgt Ion:142 Resp: 136611

Ion Ratio Lower Upper

142 100

127 55.2 38.8 58.2

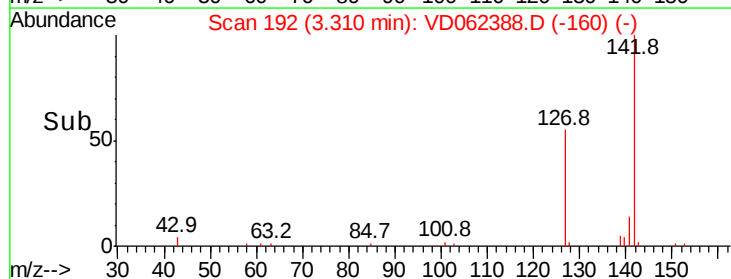
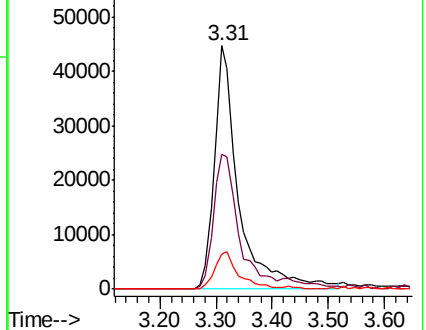
141 14.3 11.4 17.0

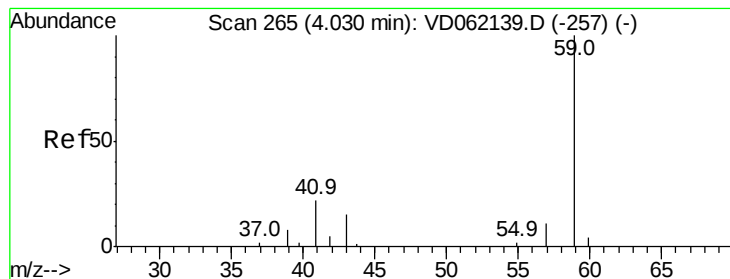


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



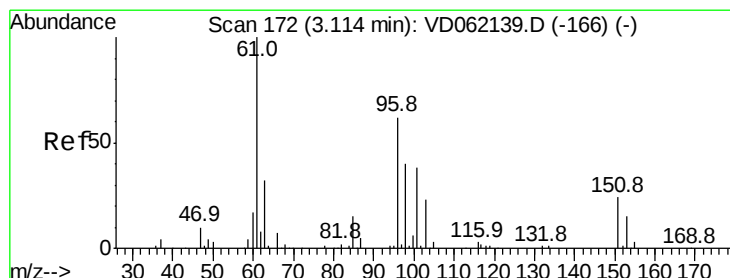
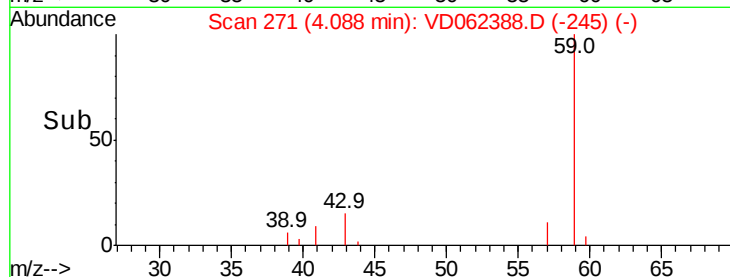
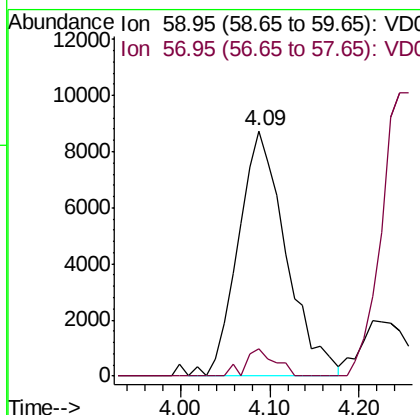
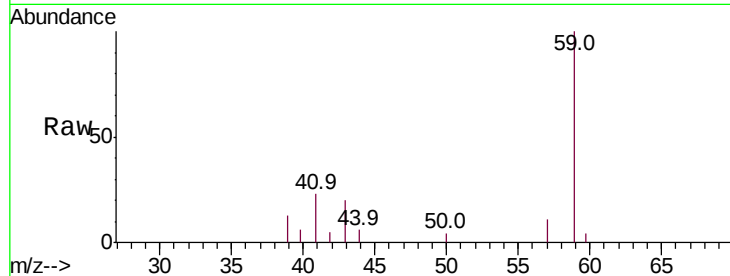


#11

Tert butyl alcohol
 Concen: 108.539 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.06 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

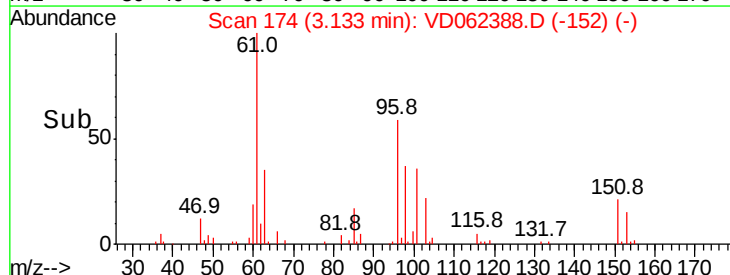
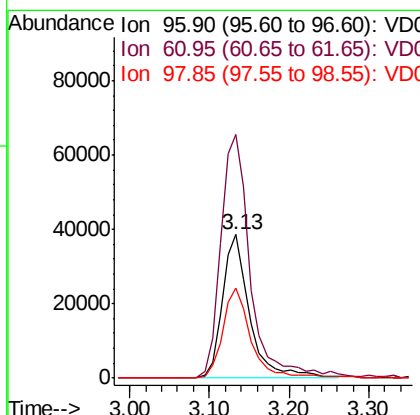
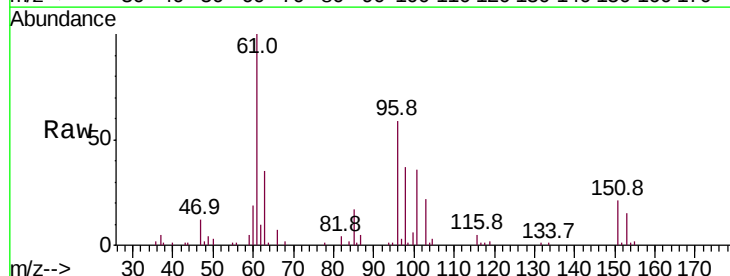
Tot Ion: 59 Resp: 32430
 Ion Ratio Lower Upper
 59 100
 57 11.1 6.9 10.3#

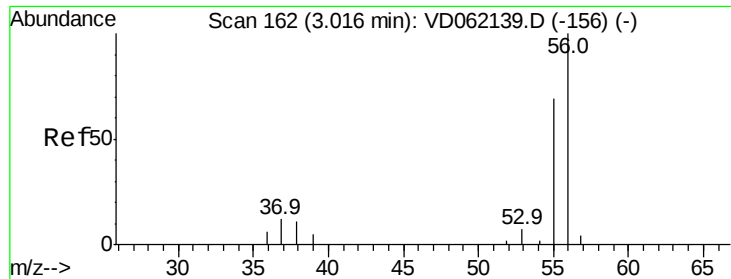


#12

1,1-Dichloroethene
 Concen: 19.369 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. 0.02 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Tgt Ion: 96 Resp: 93021
 Ion Ratio Lower Upper
 96 100
 61 169.5 129.8 194.8
 98 62.5 51.2 76.8





#13

Acrolein

Concen: 79.437 ug/l

RT: 3.03 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

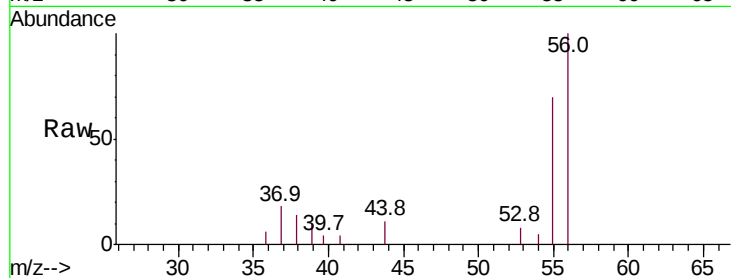
VD0515SBS01

Tot Ion: 56 Resp: 24549

Ion Ratio Lower Upper

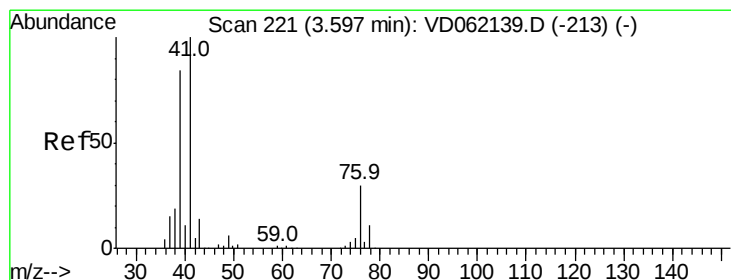
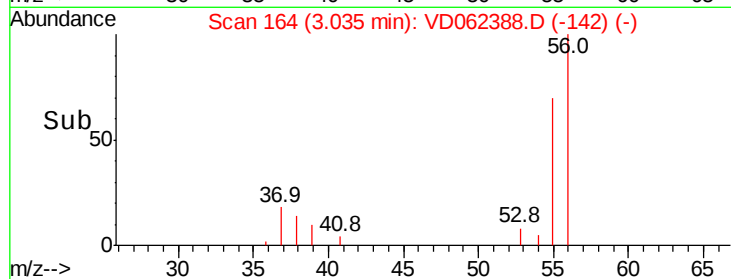
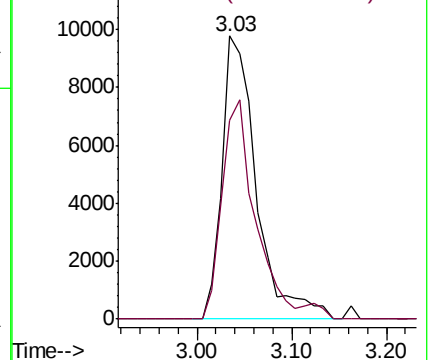
56 100

55 70.2 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: 20.262 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

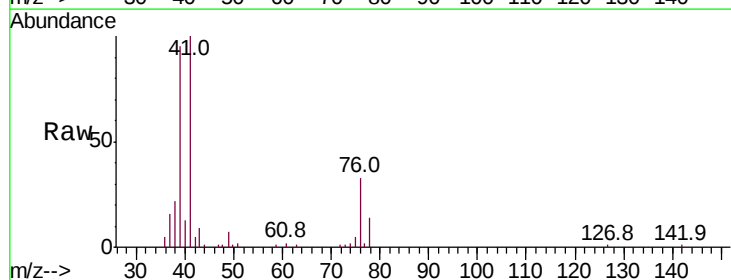
Tgt Ion: 41 Resp: 141488

Ion Ratio Lower Upper

41 100

39 95.2 60.5 90.7#

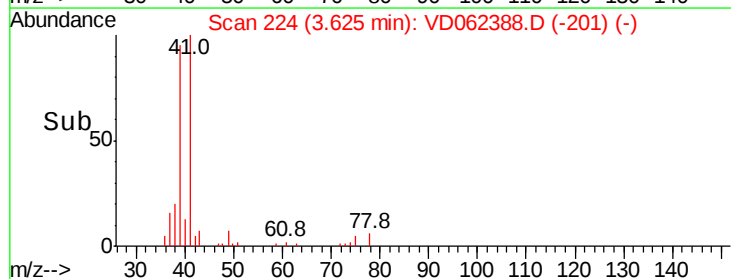
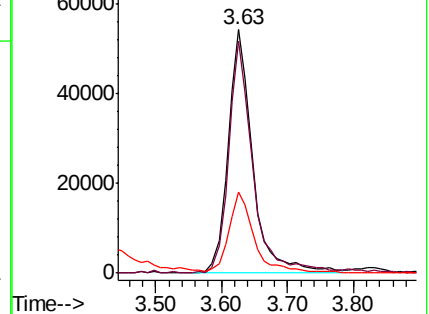
76 33.4 31.8 47.8

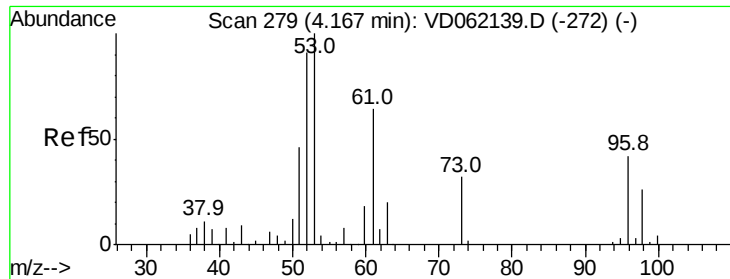


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.769 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

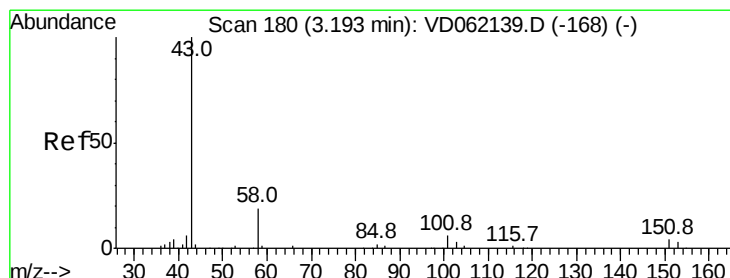
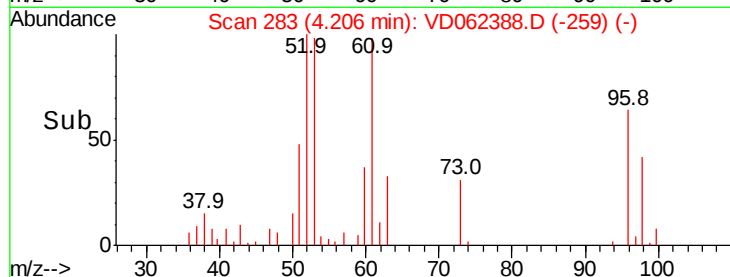
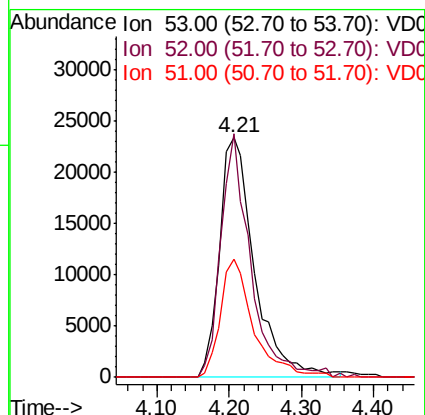
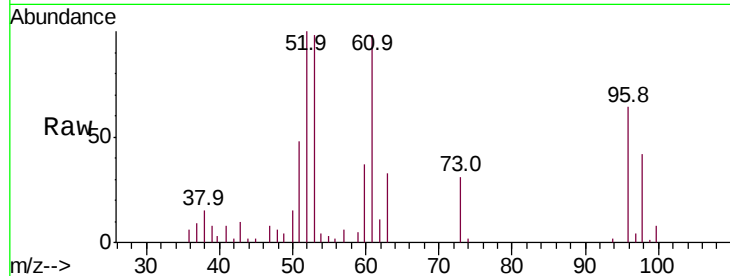
Tot Ion: 53 Resp: 78353

Ion Ratio Lower Upper

53 100

52 101.6 65.0 97.4#

51 49.2 32.6 48.8#



#16

Acetone

Concen: 127.461 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062388.D

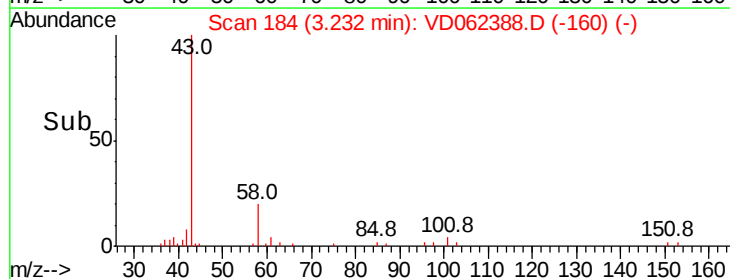
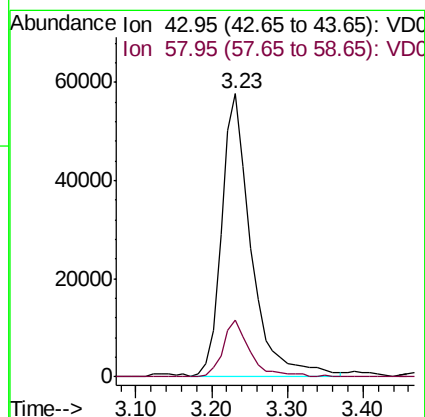
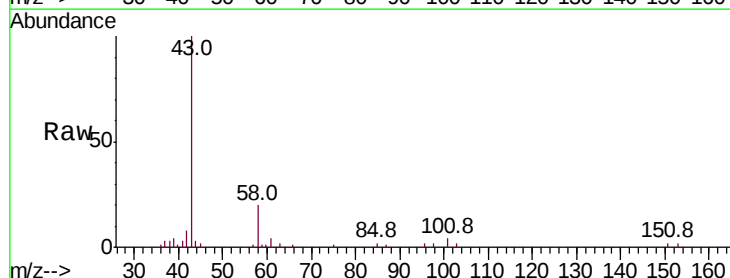
Acq: 15 May 2019 15:15

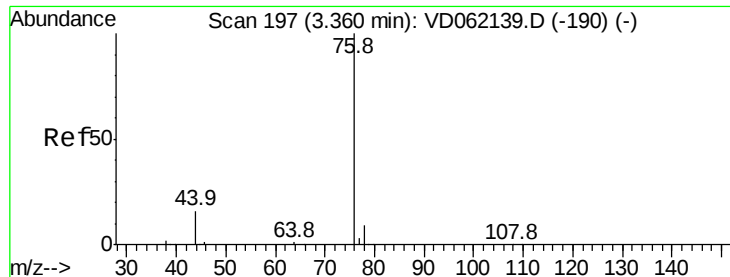
Tgt Ion: 43 Resp: 156462

Ion Ratio Lower Upper

43 100

58 20.0 19.9 29.9

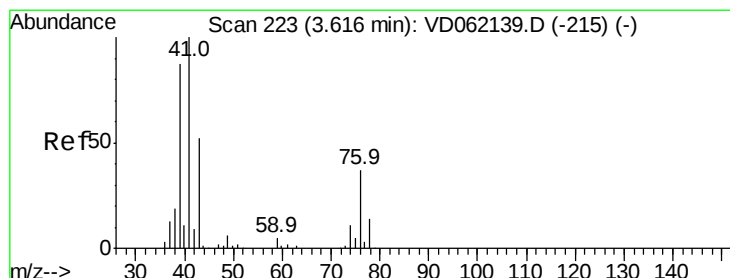
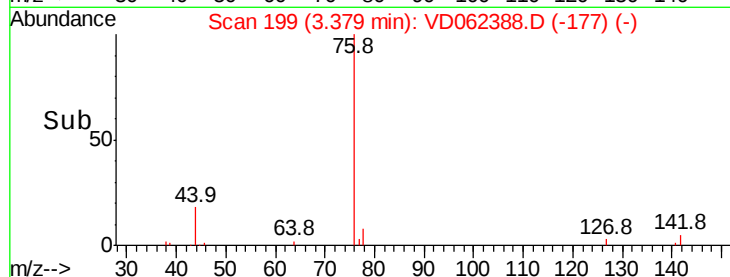
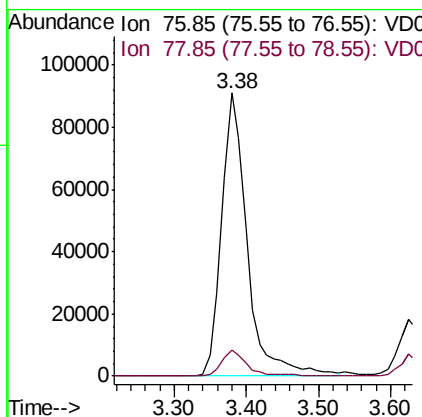
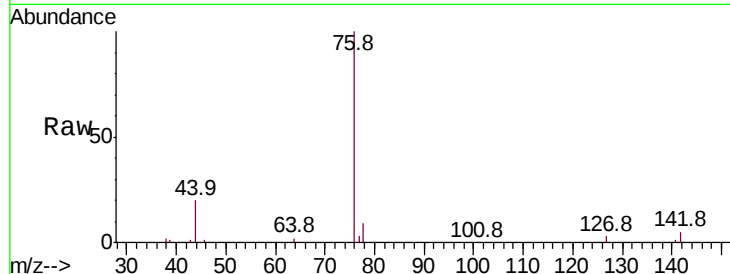




#17
Carbon Disulfide
Concen: 16.194 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

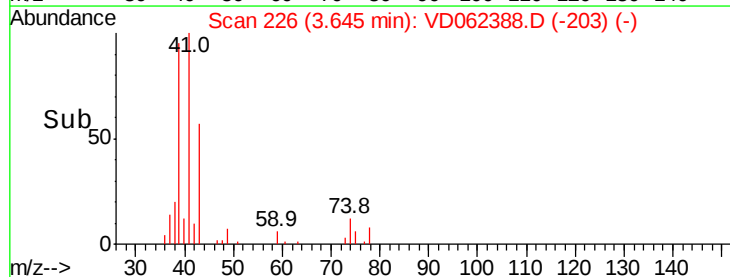
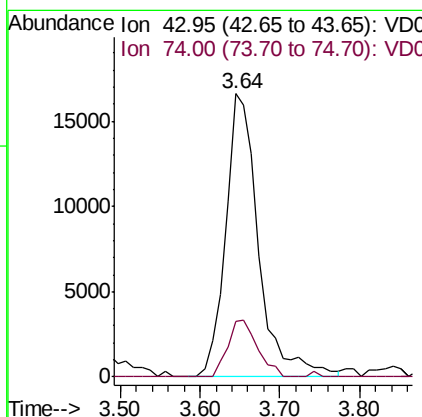
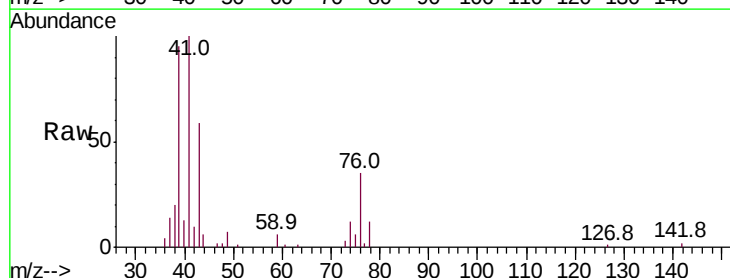
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

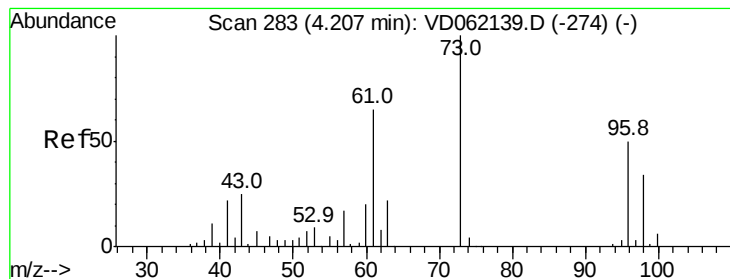
Tot Ion: 76 Resp: 223737
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 21.718 ug/l
RT: 3.64 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Tgt Ion: 43 Resp: 48057
Ion Ratio Lower Upper
43 100
74 19.8 18.0 27.0



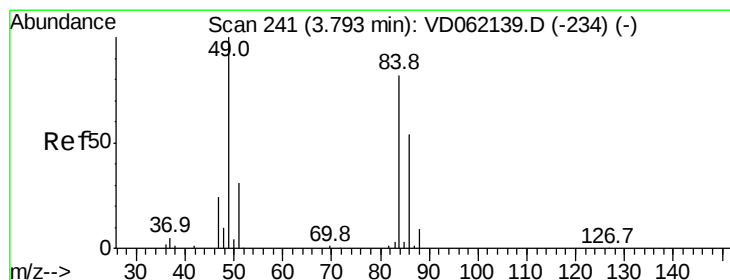
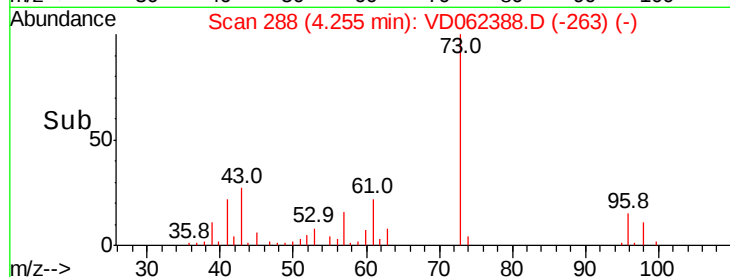
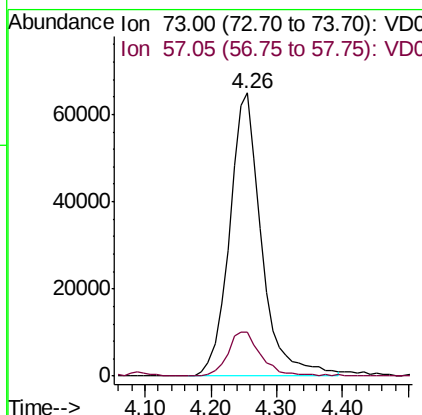
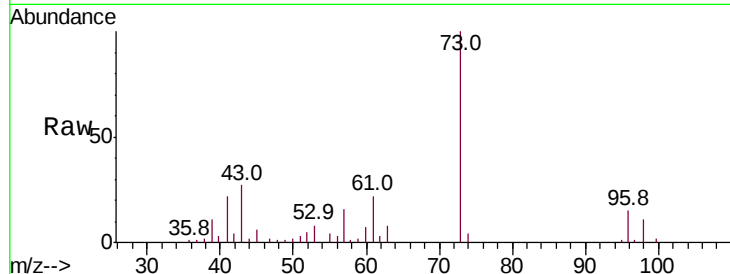


#19

Methyl tert-butyl Ether
 Concen: 21.431 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.05 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

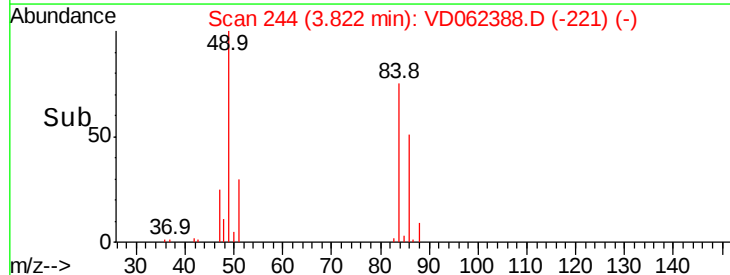
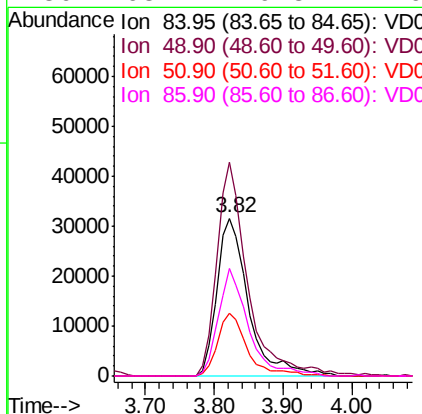
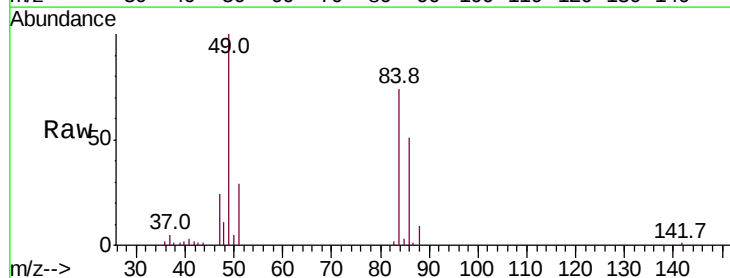
Tot Ion: 73 Resp: 220614
 Ion Ratio Lower Upper
 73 100
 57 15.5 16.3 24.5#

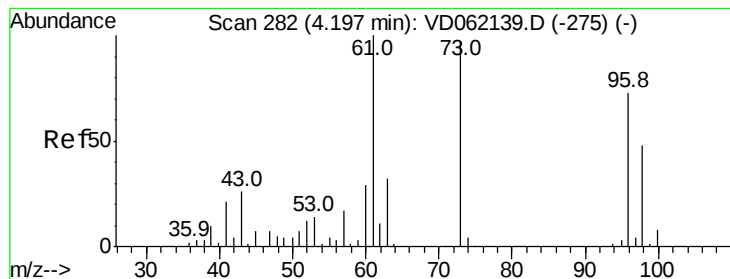


#20

Methylene Chloride
 Concen: 19.551 ug/l
 RT: 3.82 min Scan# 244
 Delta R.T. 0.03 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Tgt Ion: 84 Resp: 100204
 Ion Ratio Lower Upper
 84 100
 49 135.4 94.0 141.0
 51 39.7 29.0 43.4
 86 68.4 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 17.337 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

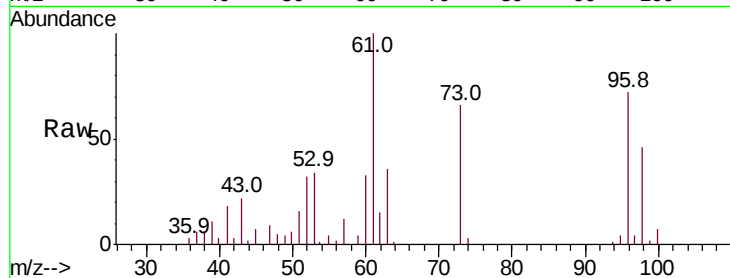
Tot Ion: 96 Resp: 92651

Ion Ratio Lower Upper

96 100

61 139.1 104.4 156.6

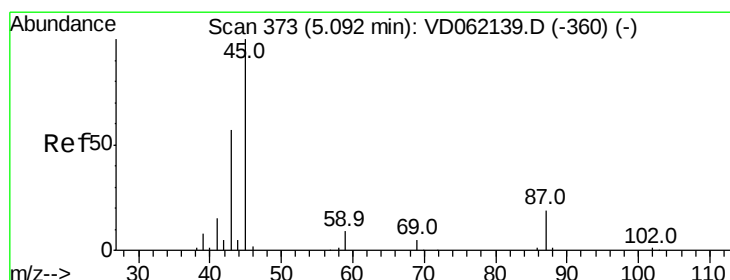
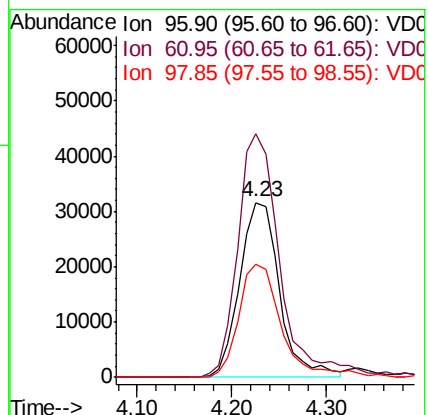
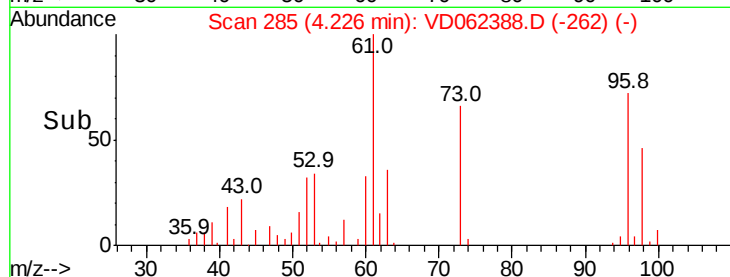
98 64.2 51.8 77.8



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: 22.226 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Tgt Ion: 45 Resp: 330271

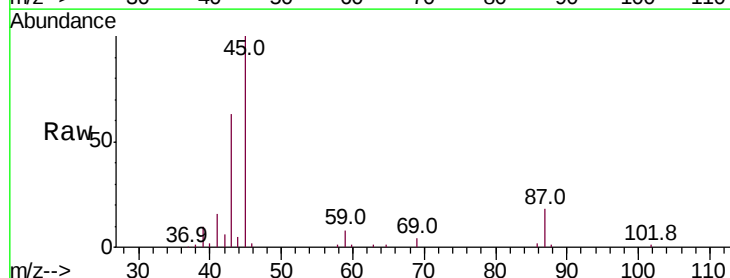
Ion Ratio Lower Upper

45 100

43 63.1 46.2 69.2

87 18.1 15.9 23.9

59 7.8 7.9 11.9#

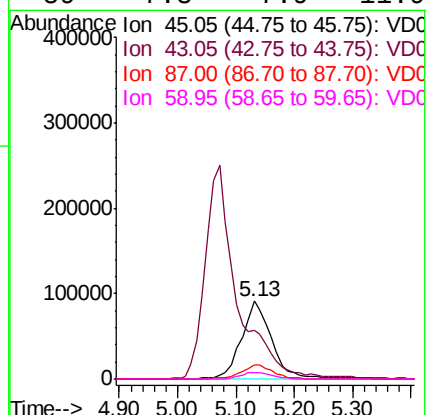
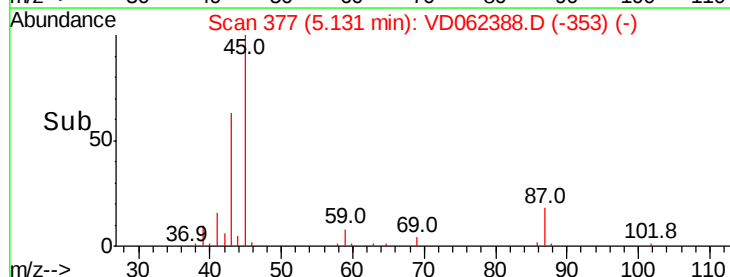


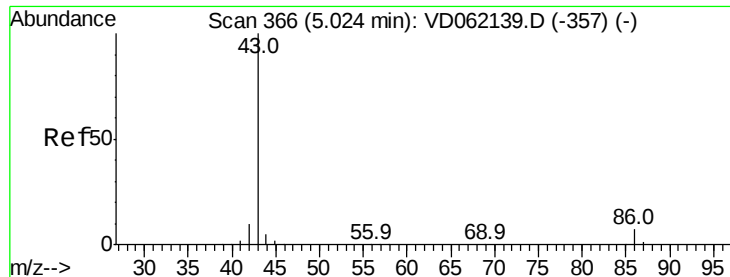
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

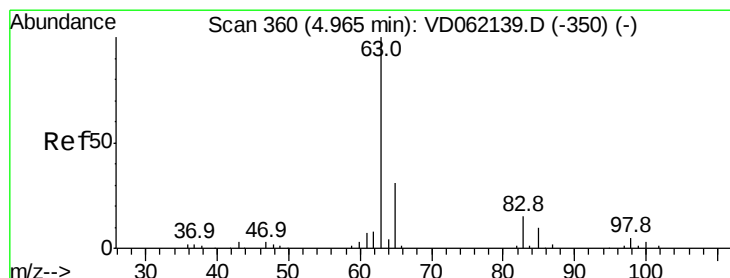
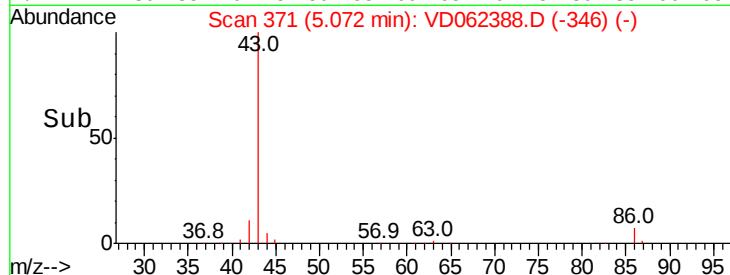
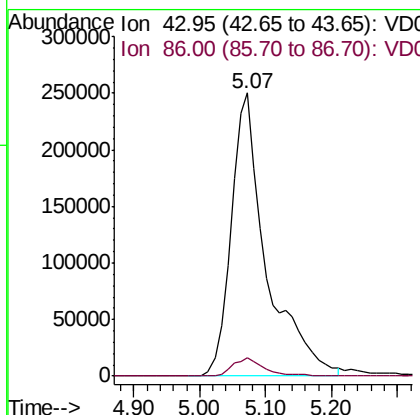
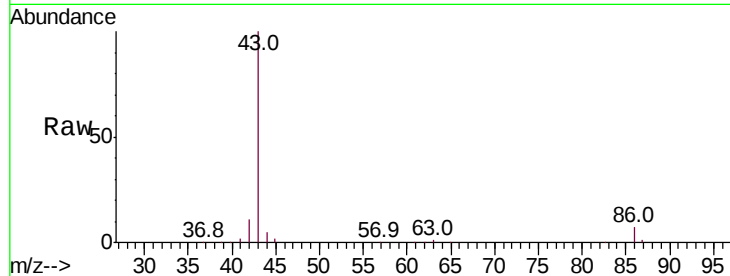




#23
 Vinyl Acetate
 Concen: 118.933 ug/l
 RT: 5.07 min Scan# 371
 Delta R.T. 0.05 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

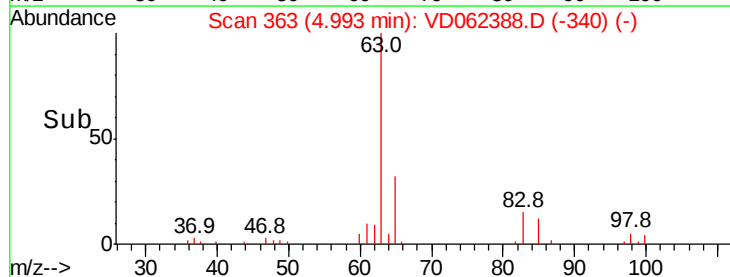
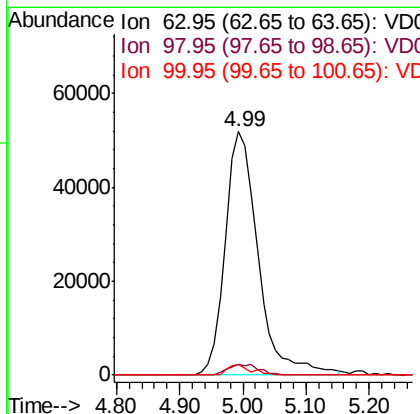
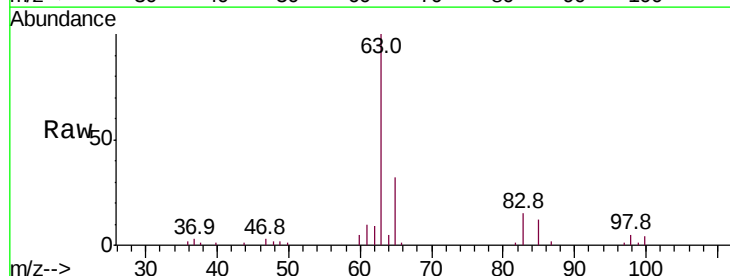
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

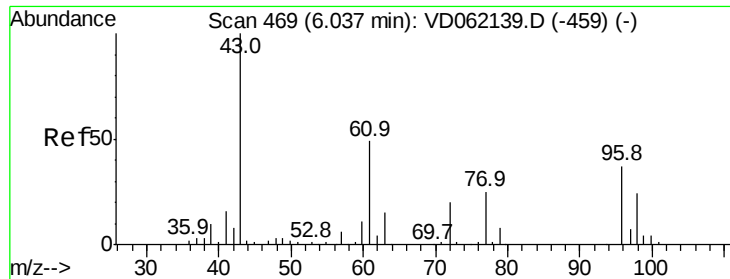
Tot Ion: 43 Resp: 932448
 Ion Ratio Lower Upper
 43 100
 86 6.6 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 20.885 ug/l
 RT: 4.99 min Scan# 363
 Delta R.T. 0.03 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Tgt Ion: 63 Resp: 187223
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.8 8.4
 100 4.5 1.8 5.5





#25

2-Butanone

Concen: 115.251 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

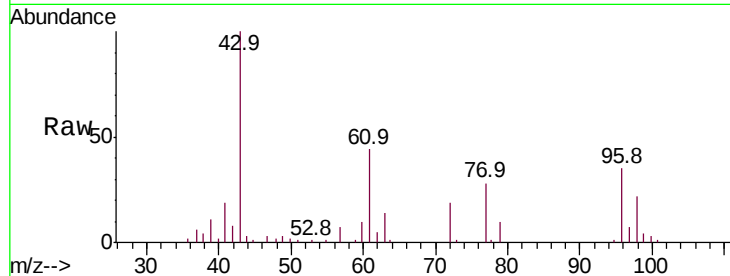
VD0515SBS01

Tot Ion: 43 Resp: 154314

Ion Ratio Lower Upper

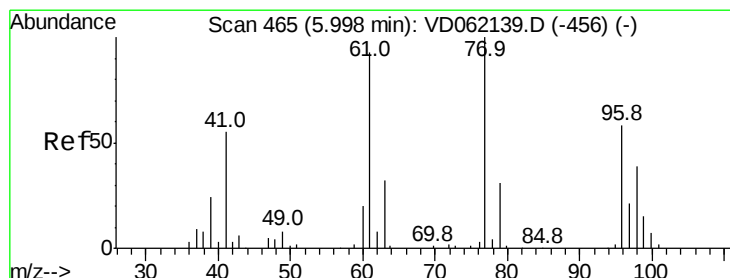
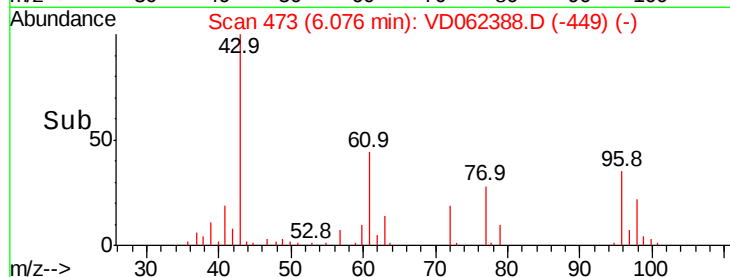
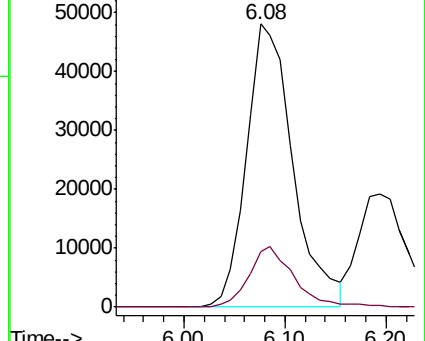
43 100

72 19.4 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.973 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062388.D

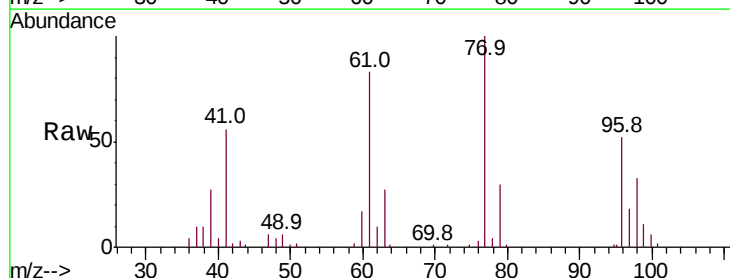
Acq: 15 May 2019 15:15

Tgt Ion: 77 Resp: 205134

Ion Ratio Lower Upper

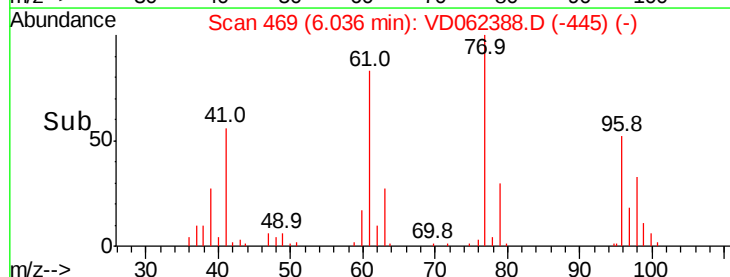
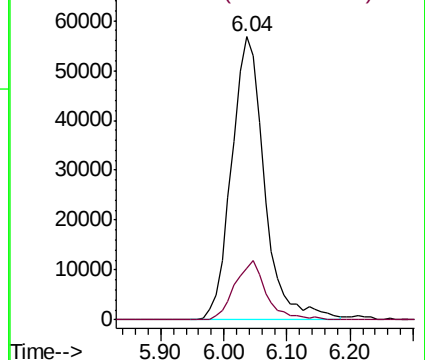
77 100

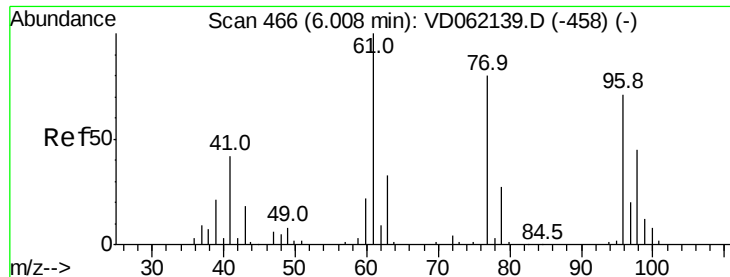
97 18.3 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



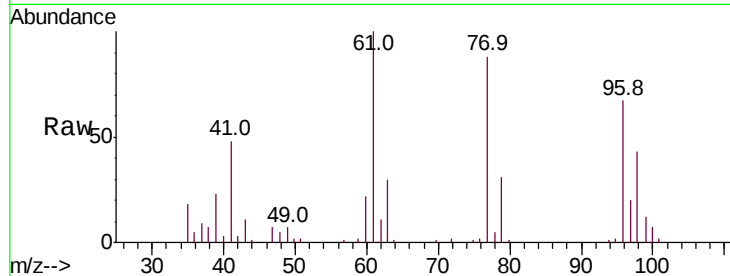


#27

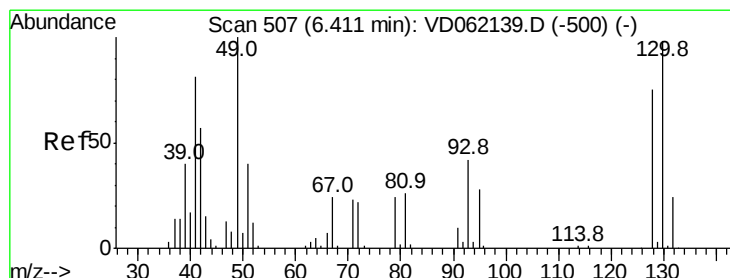
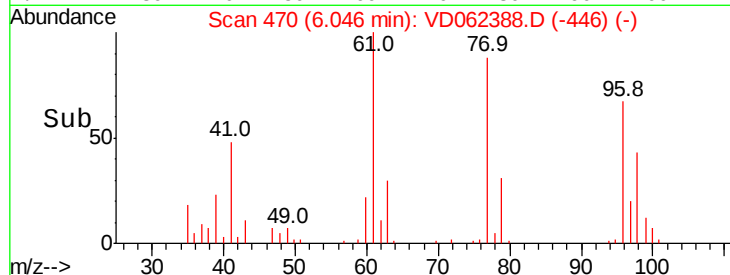
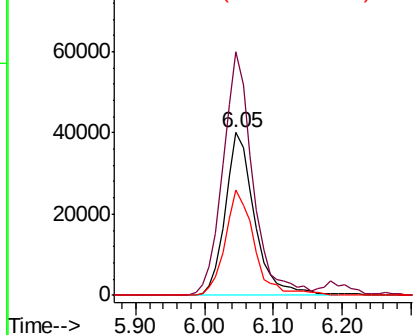
cis-1,2-Dichloroethene
 Concen: 19.700 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. 0.04 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	279.8
98	65.1	0.0	136.0



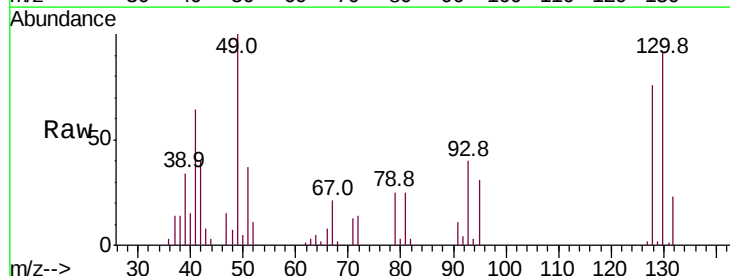
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



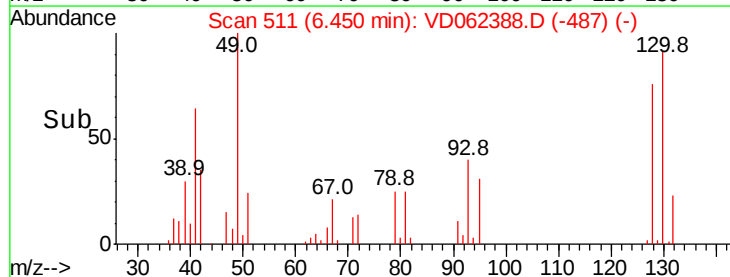
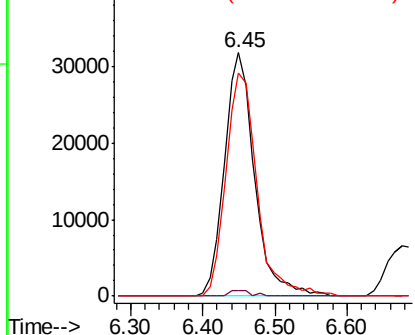
#28

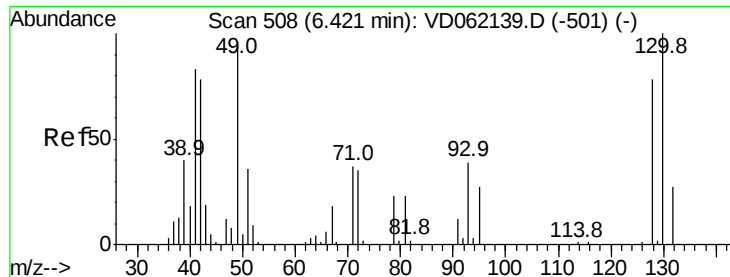
Bromochloromethane
 Concen: 26.203 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. 0.04 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	6.6
130	91.5	86.7	130.1



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

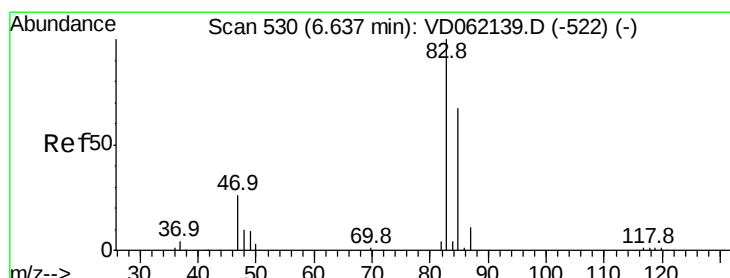
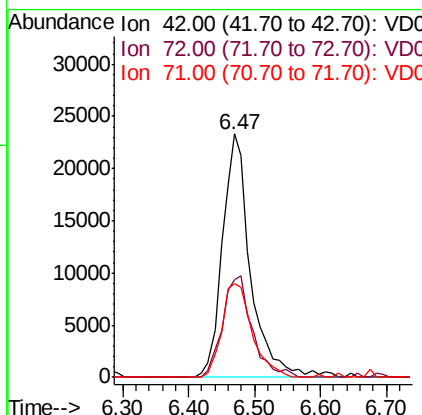
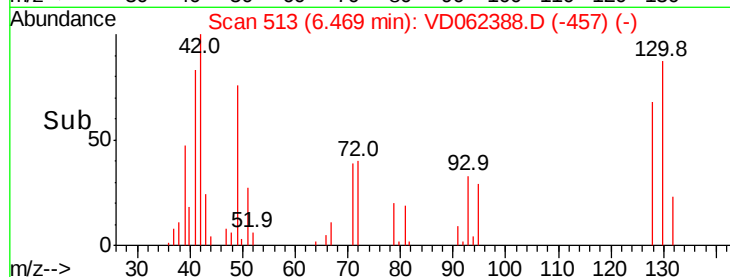
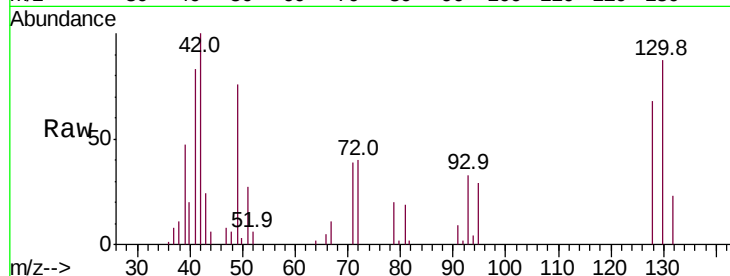




#29
Tetrahydrofuran
Concen: 112.311 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

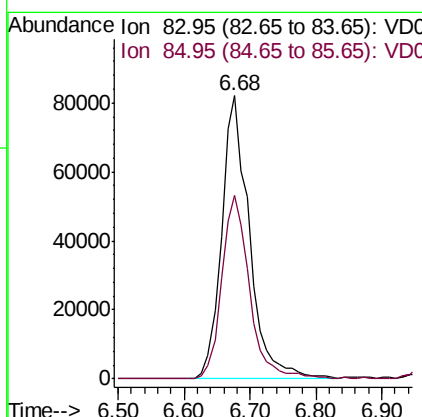
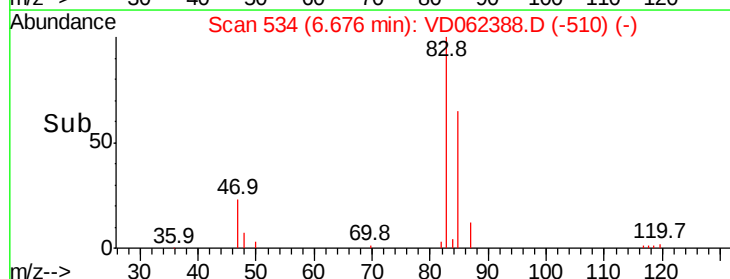
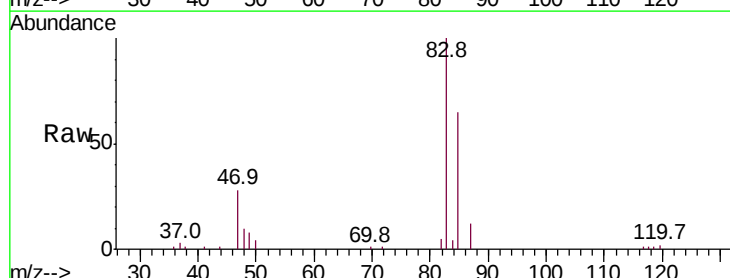
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

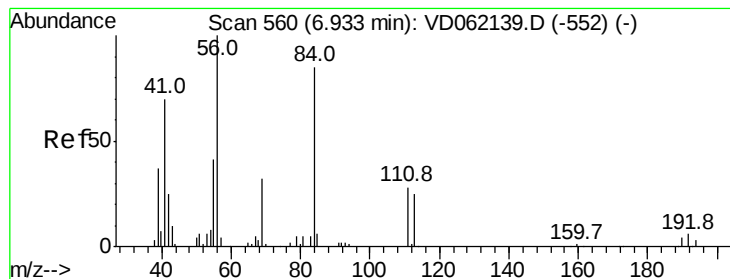
Tot Ion: 42 Resp: 69288
Ion Ratio Lower Upper
42 100
72 44.0 37.8 56.6
71 41.3 36.7 55.1



#30
Chloroform
Concen: 22.309 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Tgt Ion: 83 Resp: 241016
Ion Ratio Lower Upper
83 100
85 64.7 51.7 77.5





#31

Cyclohexane

Concen: 18.195 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

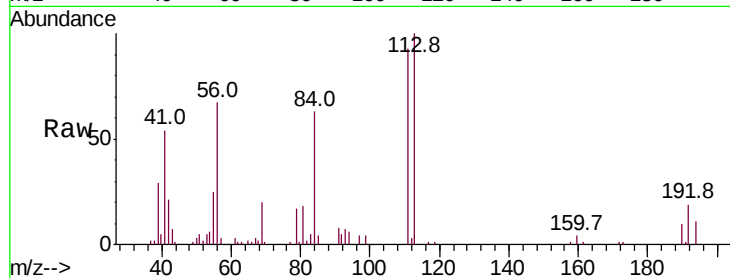
Tot Ion: 56 Resp: 111742

Ion Ratio Lower Upper

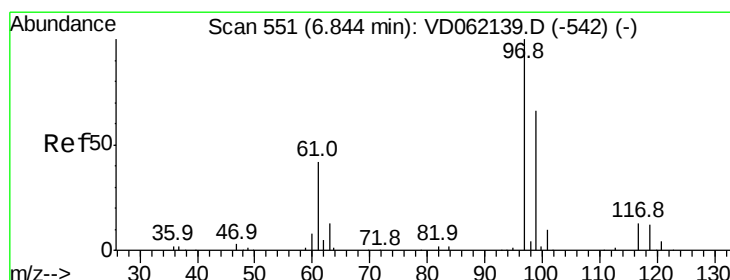
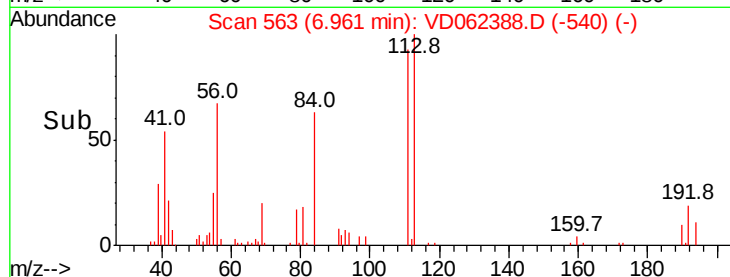
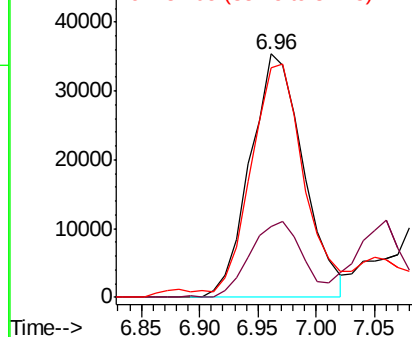
56 100

69 29.3 25.8 38.6

84 94.4 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 23.288 ug/l

RT: 6.88 min Scan# 555

Delta R.T. 0.04 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

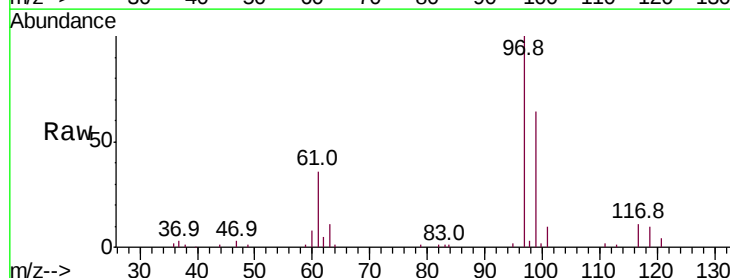
Tgt Ion: 97 Resp: 237806

Ion Ratio Lower Upper

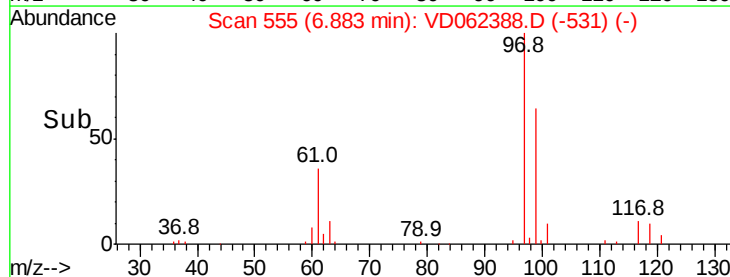
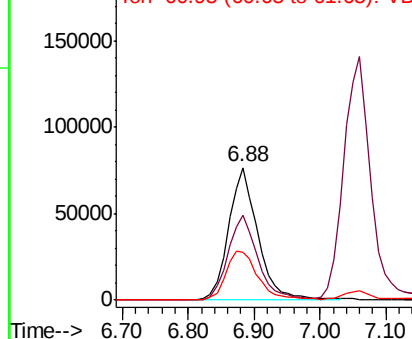
97 100

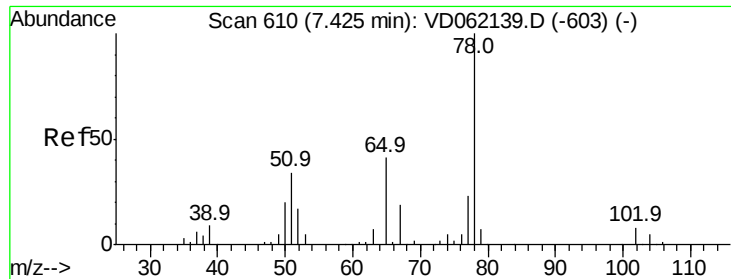
99 63.5 52.2 78.2

61 36.4 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 55.513 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

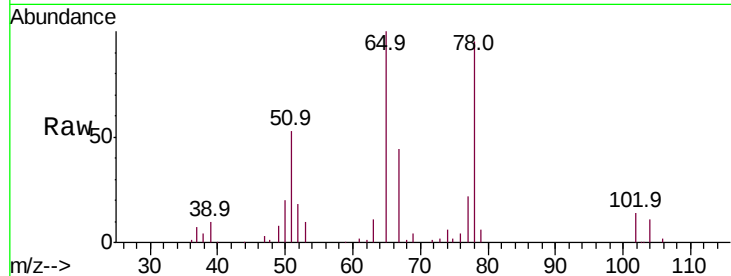
VD0515SBS01

Tot Ion: 65 Resp: 324943

Ion Ratio Lower Upper

65 100

67 43.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

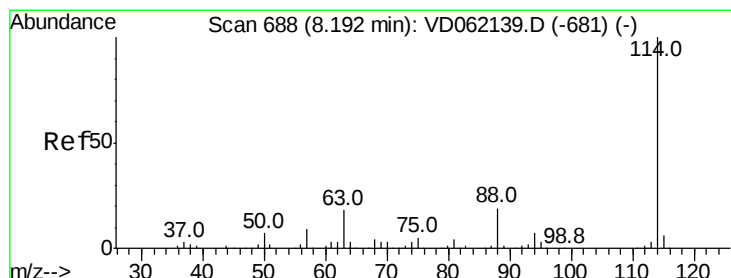
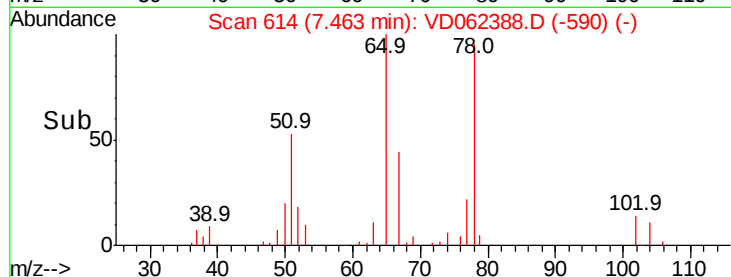
7.46

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

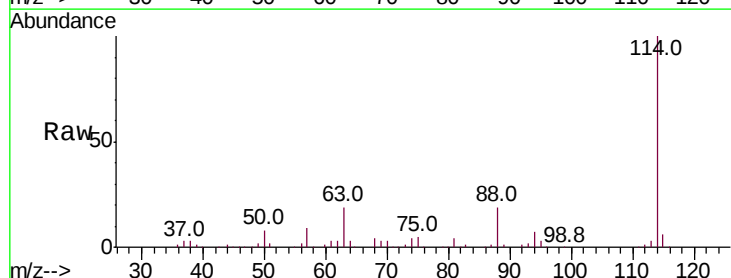
Tgt Ion: 114 Resp: 912388

Ion Ratio Lower Upper

114 100

63 19.0 0.0 32.4

88 19.1 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

8.23

400000

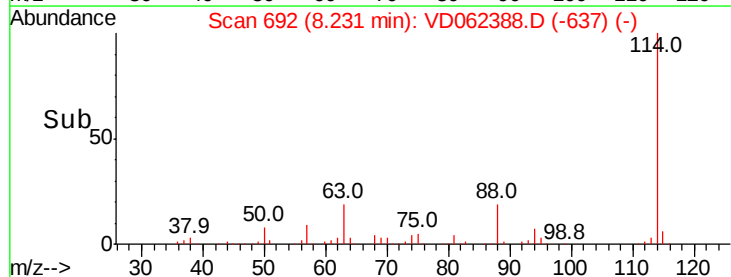
300000

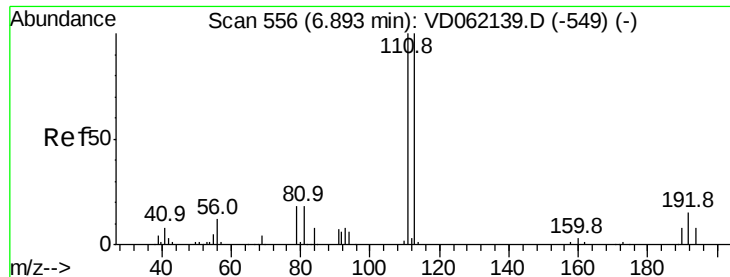
200000

100000

0

Time--> 8.20 8.40





#35

Dibromofluoromethane

Concen: 49.910 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

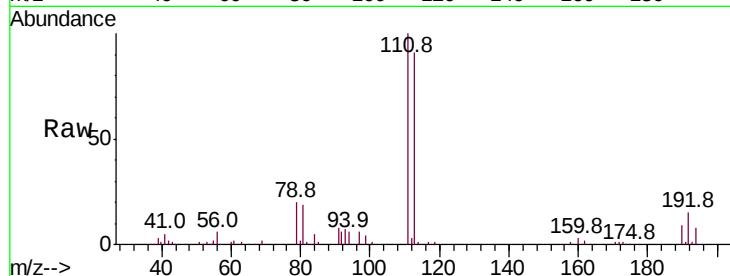
Tot Ion:113 Resp: 377829

Ion Ratio Lower Upper

113 100

111 110.0 78.5 117.7

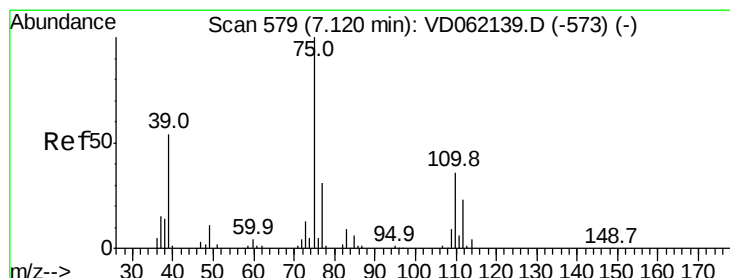
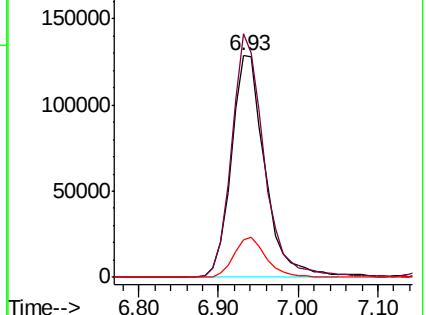
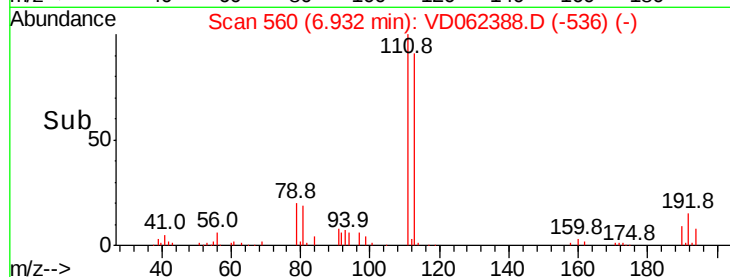
192 16.8 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.078 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

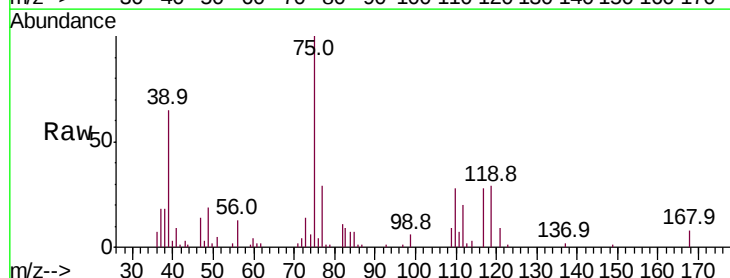
Tgt Ion: 75 Resp: 142721

Ion Ratio Lower Upper

75 100

110 27.8 19.1 57.1

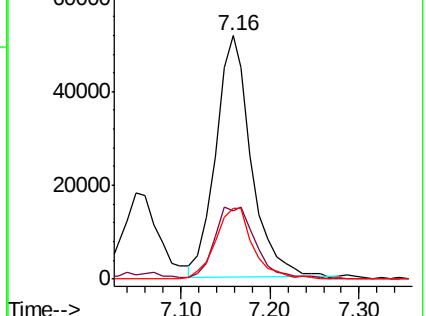
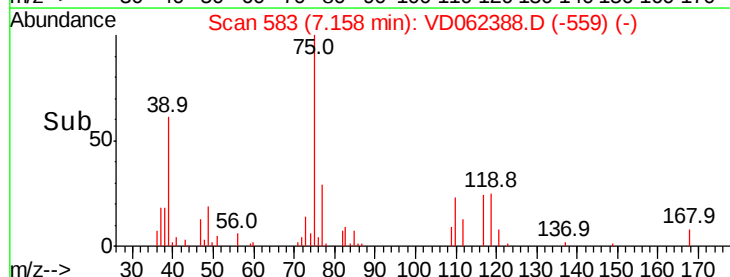
77 29.3 25.6 38.4

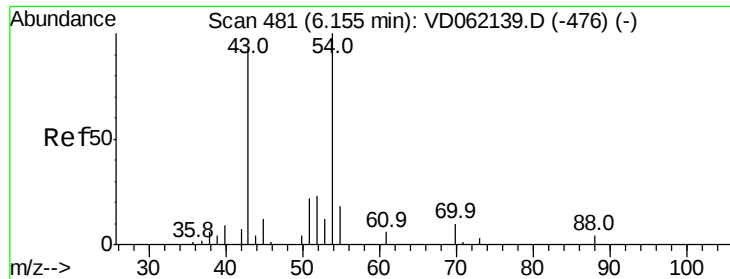


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

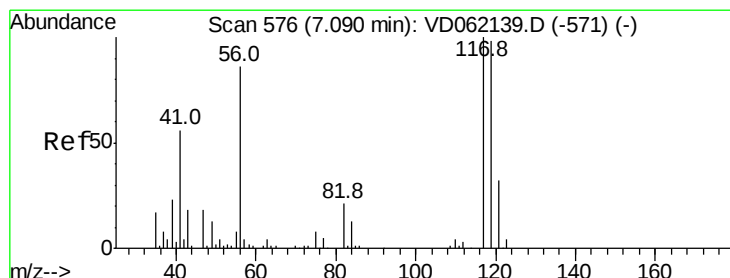
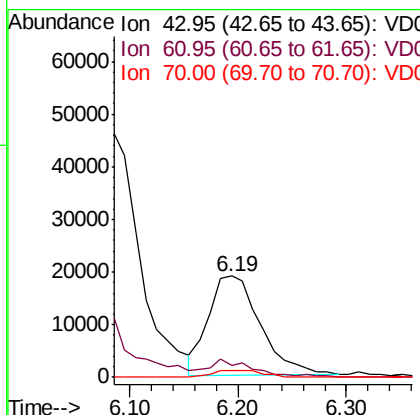
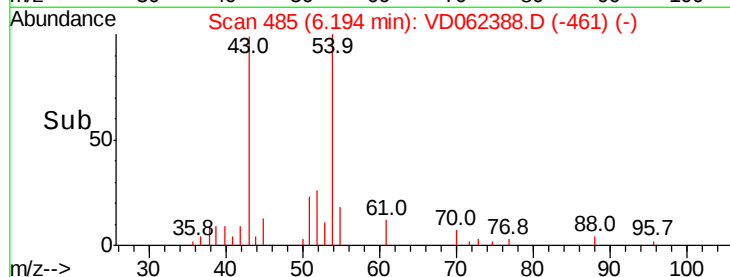
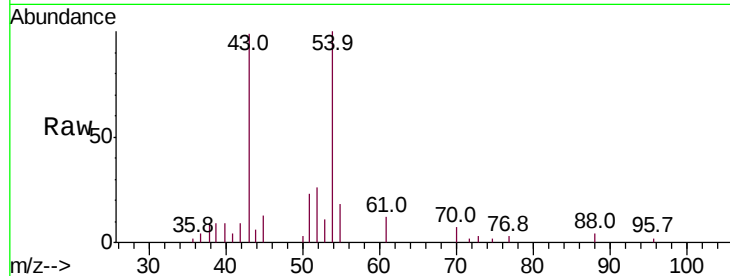




#37
Ethyl Acetate
Concen: 19.786 ug/l
RT: 6.19 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

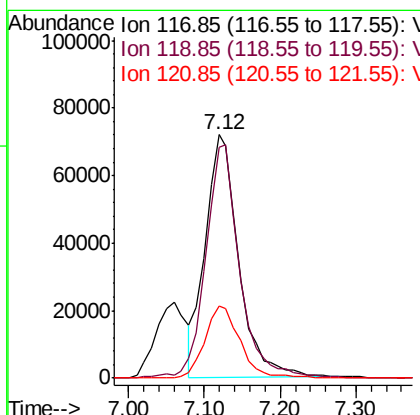
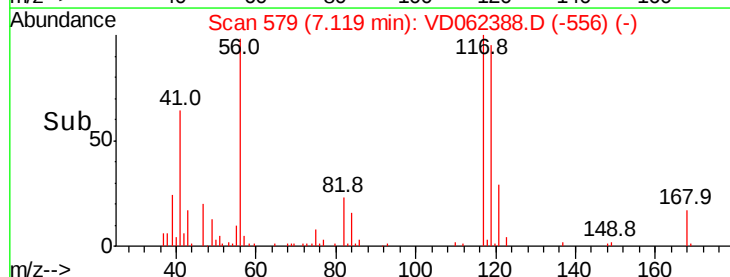
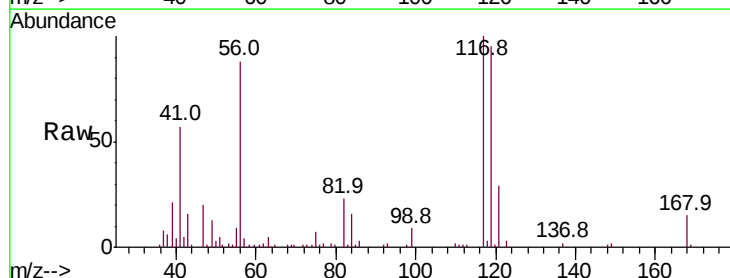
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

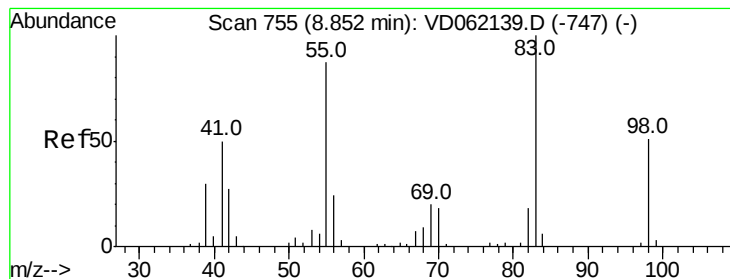
Tot Ion: 43 Resp: 62770
Ion Ratio Lower Upper
43 100
61 12.1 14.7 22.1#
70 6.7 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 21.438 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.03 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Tgt Ion: 117 Resp: 221972
Ion Ratio Lower Upper
117 100
119 94.9 75.8 113.8
121 29.4 25.9 38.9





#39

Methvlcvclohexane

Concen: 17.233 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

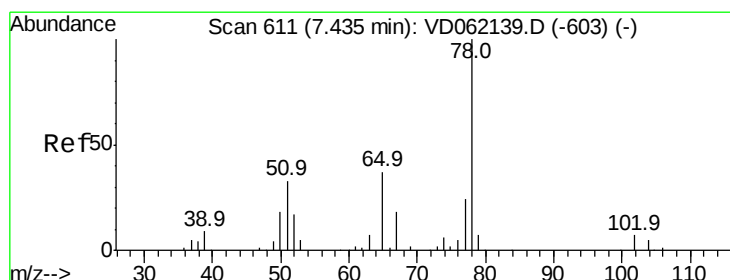
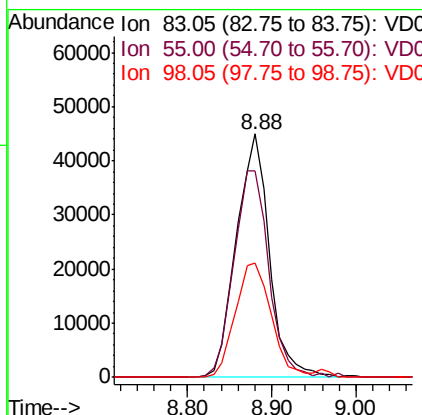
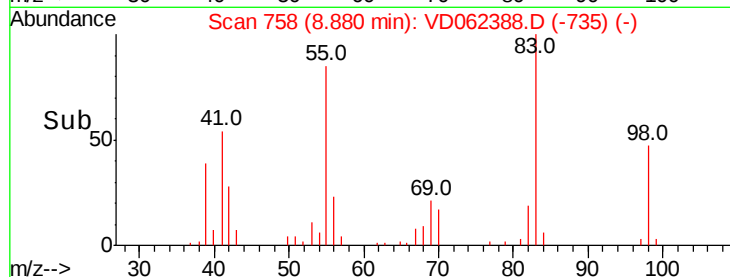
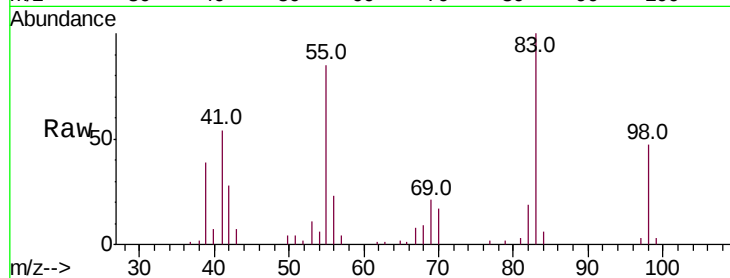
Tot Ion: 83 Resp: 123518

Ion Ratio Lower Upper

83 100

55 84.7 68.2 102.4

98 47.1 38.2 57.4



#40

Benzene

Concen: 18.800 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD062388.D

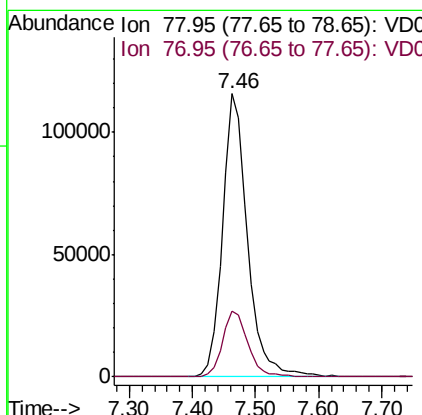
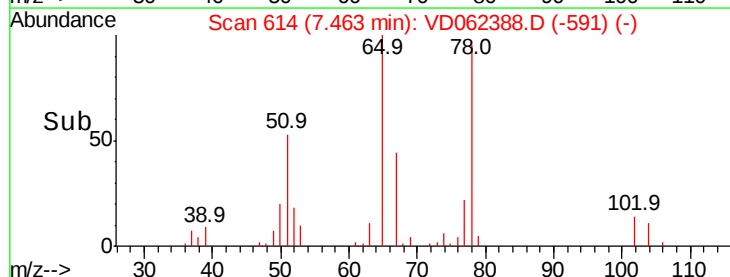
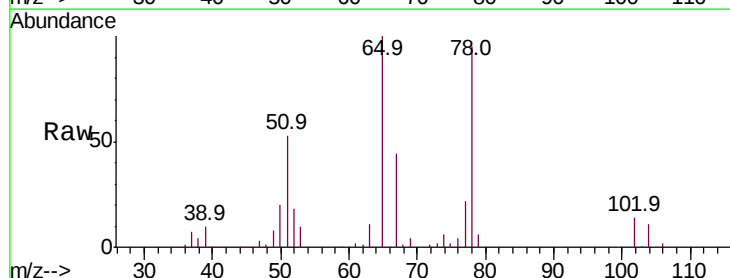
Acq: 15 May 2019 15:15

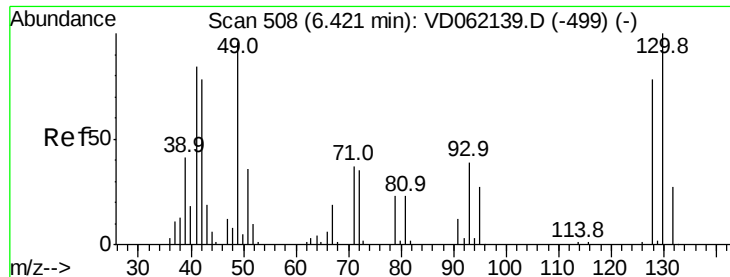
Tgt Ion: 78 Resp: 317578

Ion Ratio Lower Upper

78 100

77 23.0 19.7 29.5





#41

Methacrylonitrile

Concen: 21.856 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.04 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

Tot Ion: 41 Resp: 84735

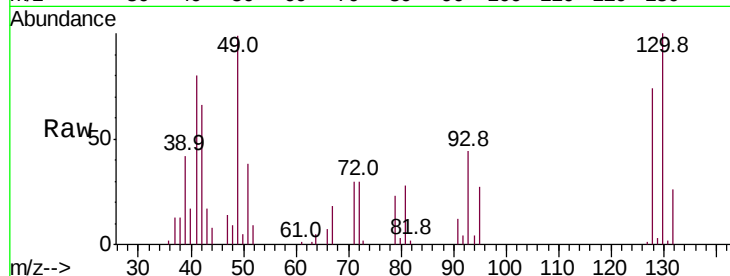
Ion Ratio Lower Upper

41 100

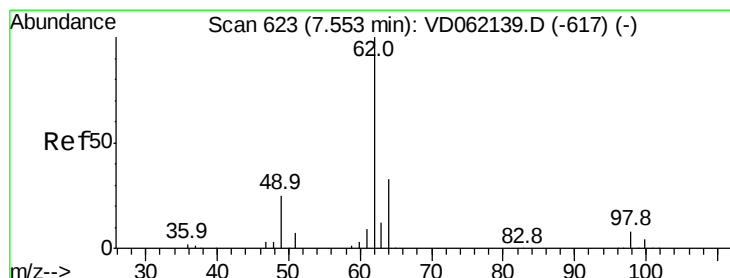
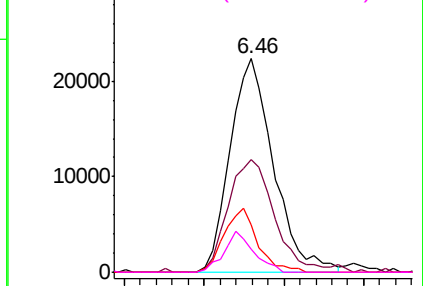
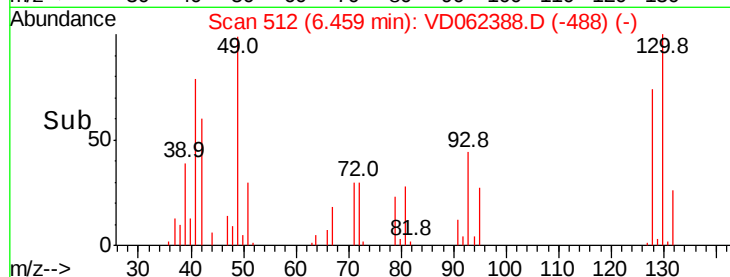
39 52.8 34.1 51.1#

67 22.3 23.8 35.6#

52 10.8 8.8 13.2



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



#42

1,2-Dichloroethane

Concen: 23.278 ug/l

RT: 7.59 min Scan# 627

Delta R.T. 0.04 min

Lab File: VD062388.D

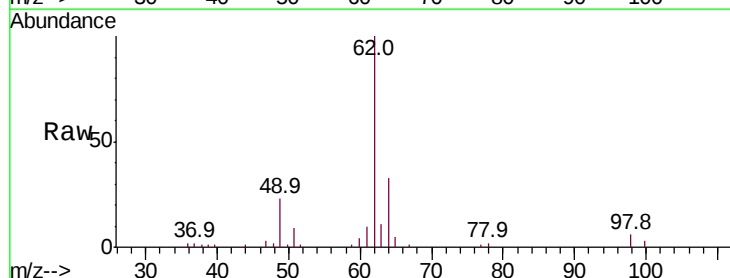
Acq: 15 May 2019 15:15

Tgt Ion: 62 Resp: 166599

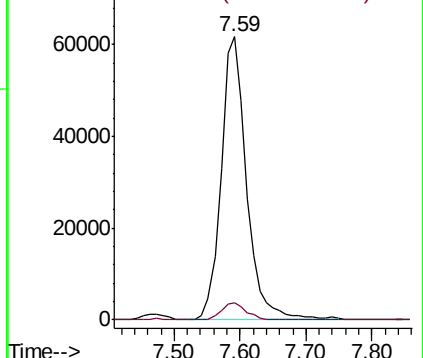
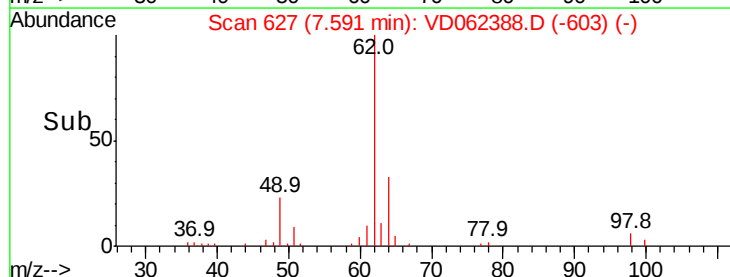
Ion Ratio Lower Upper

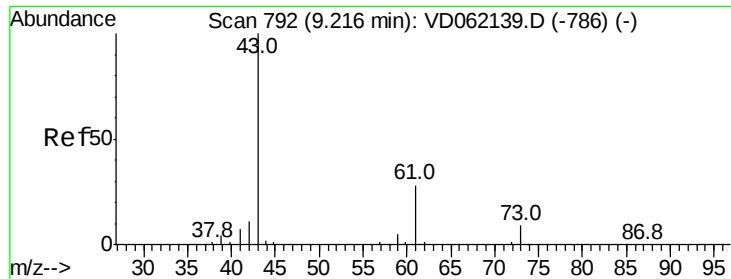
62 100

98 6.2 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 19.364 ug/l

RT: 9.24 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

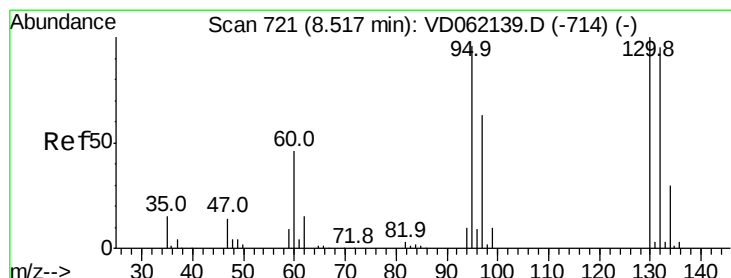
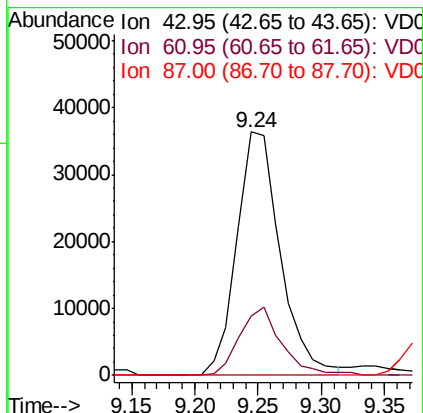
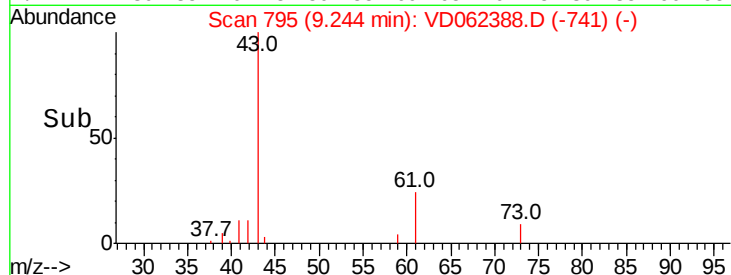
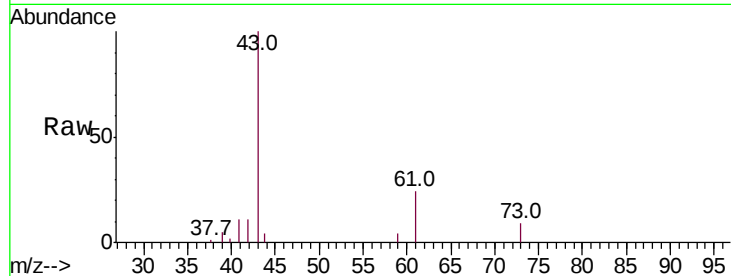
Tot Ion: 43 Resp: 87126

Ion Ratio Lower Upper

43 100

61 24.4 25.1 37.7#

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 18.704 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD062388.D

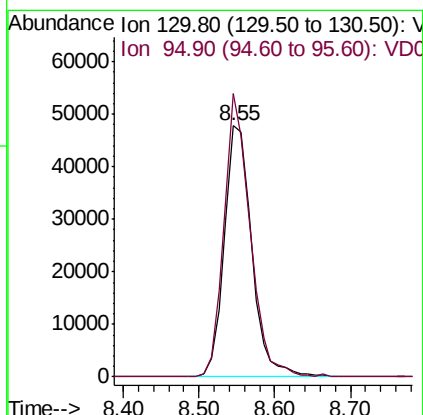
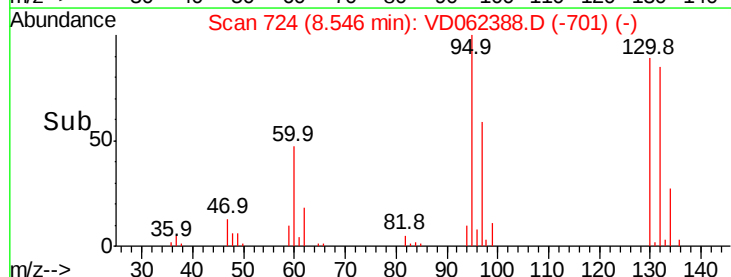
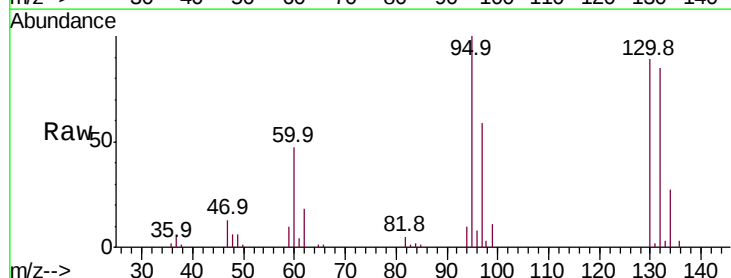
Acq: 15 May 2019 15:15

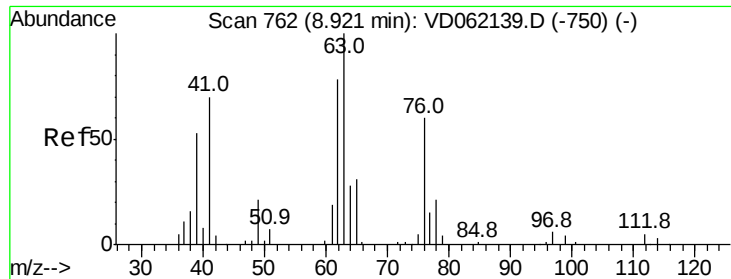
Tgt Ion: 130 Resp: 120395

Ion Ratio Lower Upper

130 100

95 112.8 0.0 174.0





#45

1,2-Dichloropropane

Concen: 17.951 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

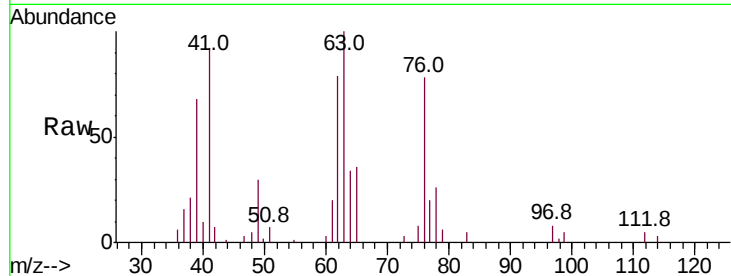
VD0515SBS01

Tot Ion: 63 Resp: 75007

Ion Ratio Lower Upper

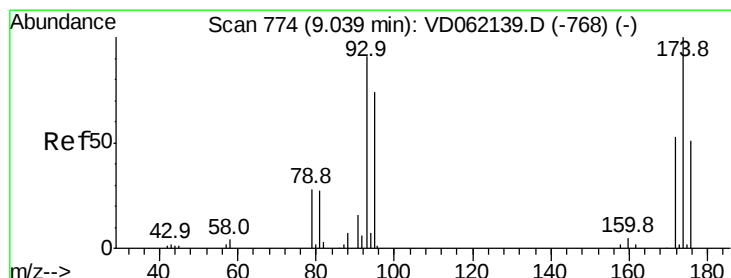
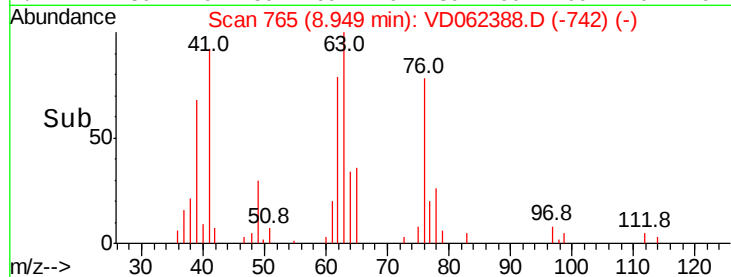
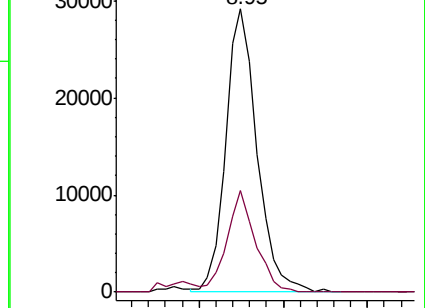
63 100

65 36.0 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: 20.944 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

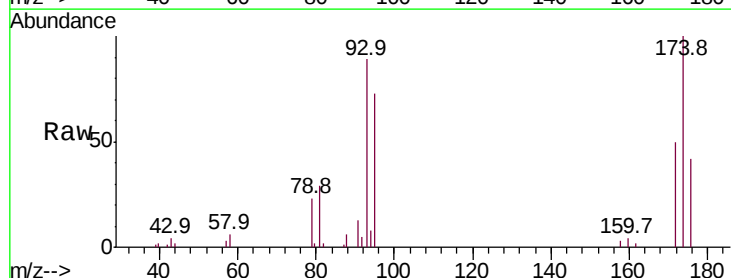
Tgt Ion: 93 Resp: 71164

Ion Ratio Lower Upper

93 100

95 82.2 64.8 97.2

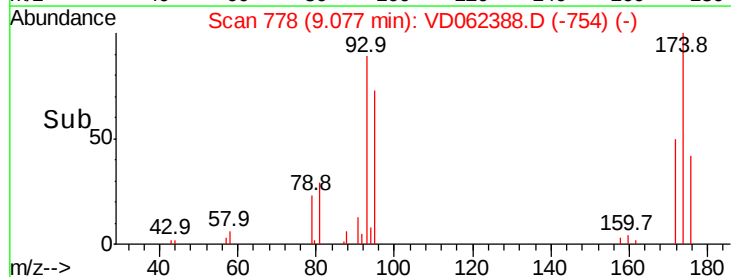
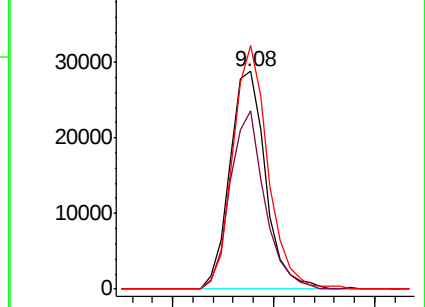
174 112.0 79.3 118.9

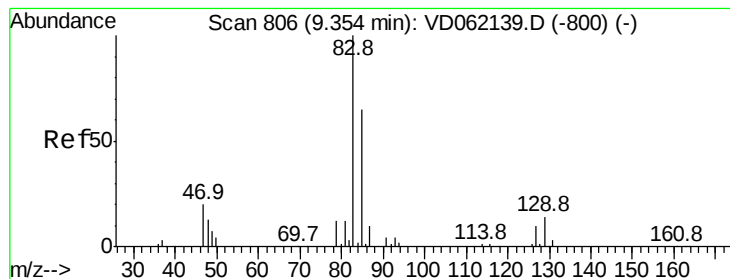


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.279 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.03 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

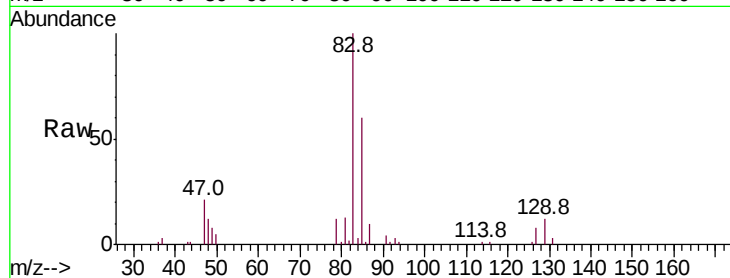
Tot Ion: 83 Resp: 176855

Ion Ratio Lower Upper

83 100

85 60.1 50.9 76.3

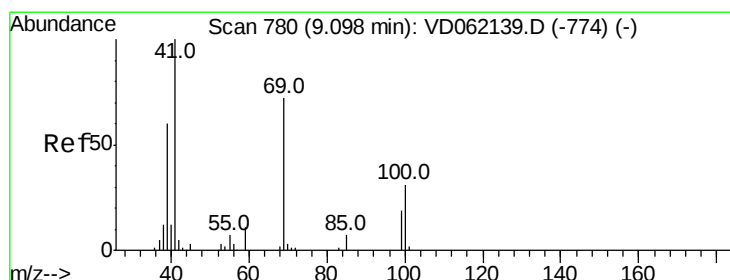
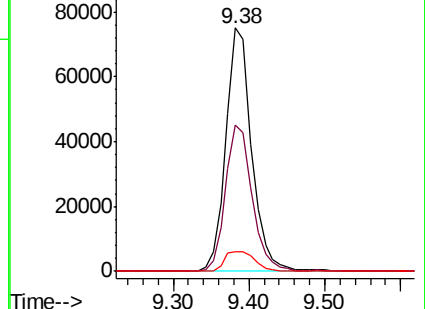
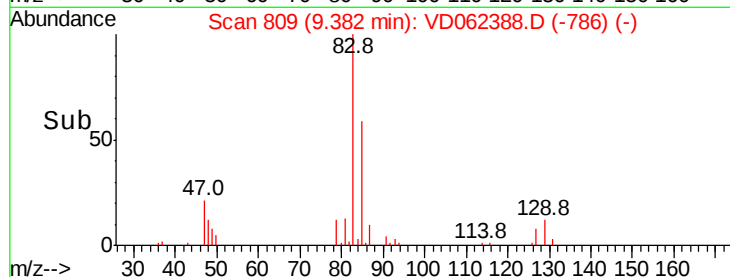
127 8.0 8.1 12.1#



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.952 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.04 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

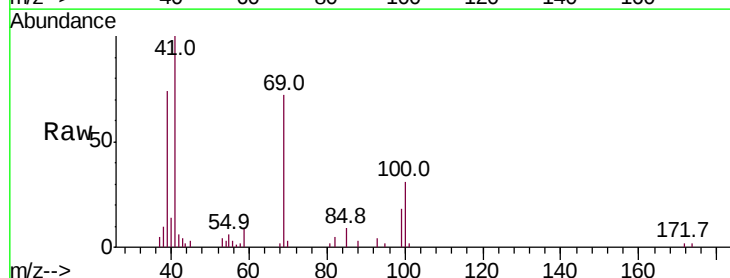
Tgt Ion: 41 Resp: 58067

Ion Ratio Lower Upper

41 100

69 72.3 64.2 96.2

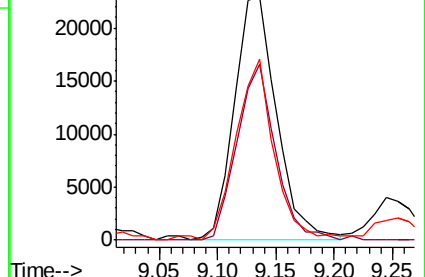
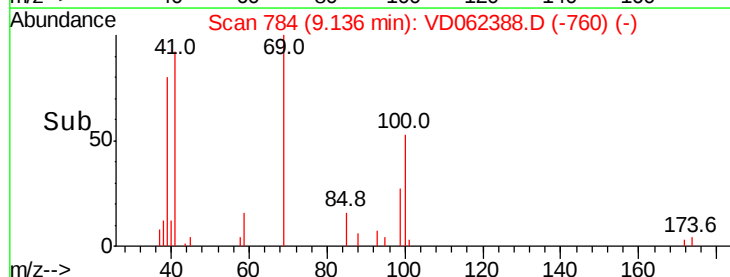
39 74.4 46.8 70.2#

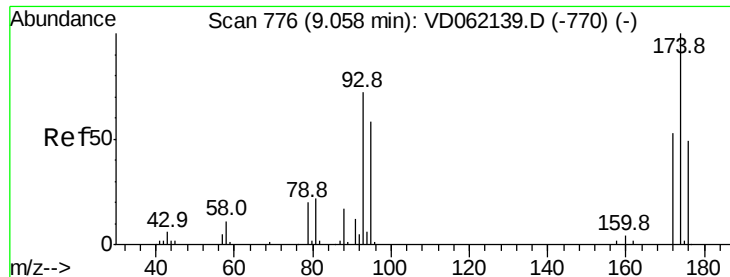


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 372.320 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.03 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

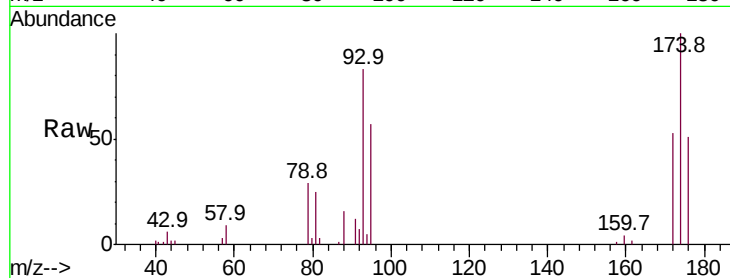
Tot Ion: 88 Resp: 11133

Ion Ratio Lower Upper

88 100

43 37.8 23.4 35.0#

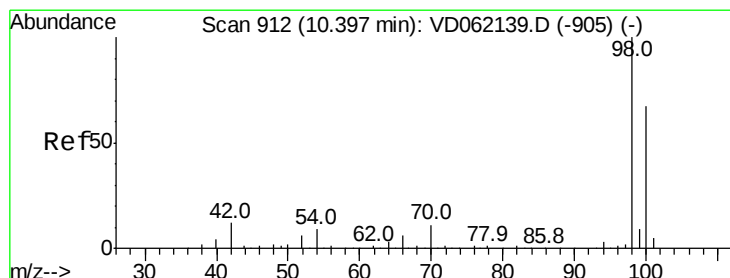
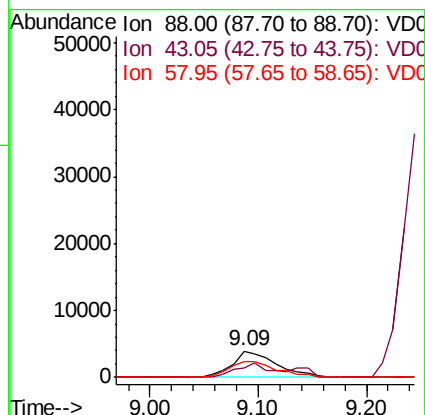
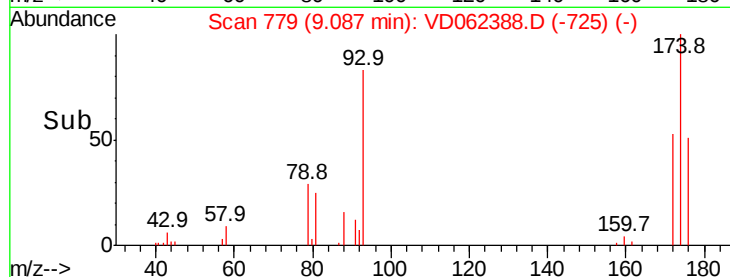
58 57.5 44.0 66.0



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: 44.252 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062388.D

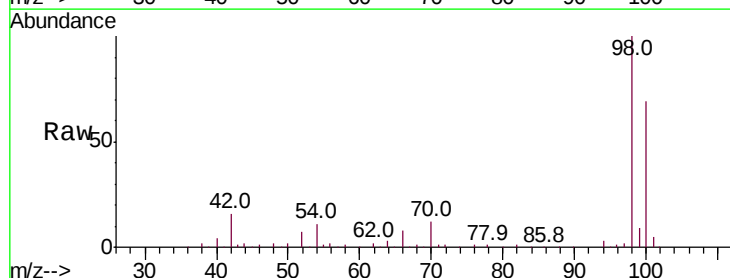
Acq: 15 May 2019 15:15

Tgt Ion: 98 Resp: 807706

Ion Ratio Lower Upper

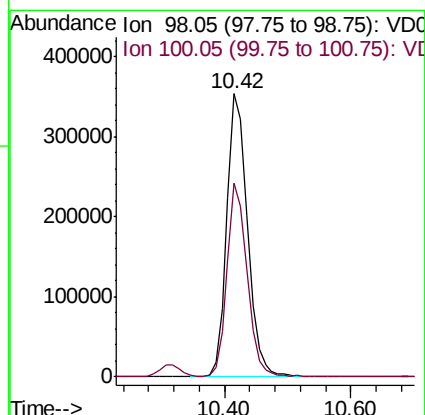
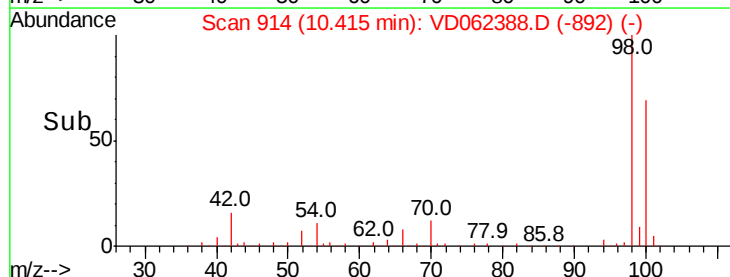
98 100

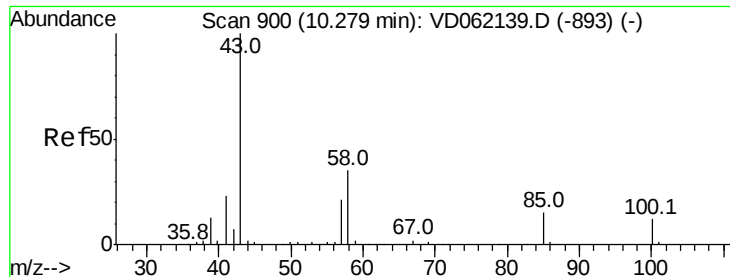
100 68.6 53.8 80.8



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: 104.344 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

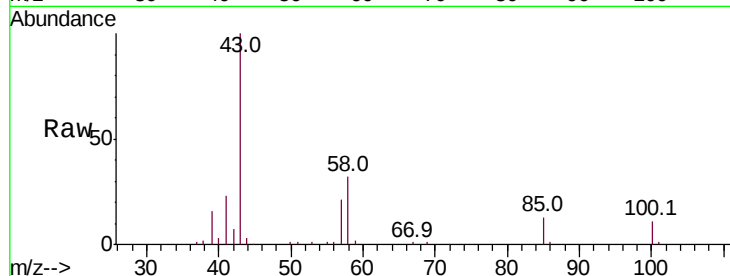
VD0515SBS01

Tot Ion: 43 Resp: 301780

Ion Ratio Lower Upper

43 100

58 32.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

150000

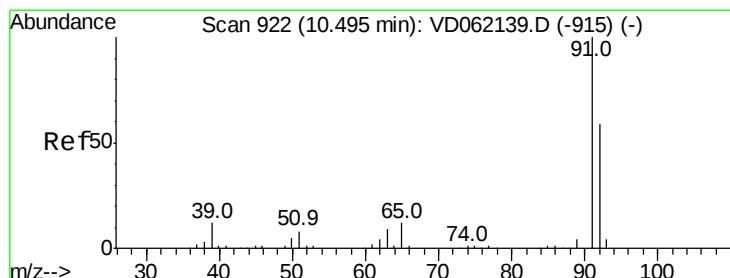
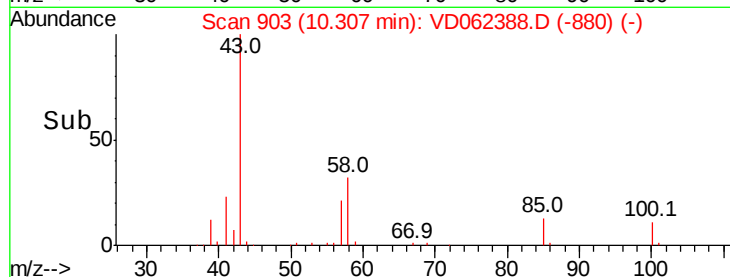
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 20.085 ug/l

RT: 10.51 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062388.D

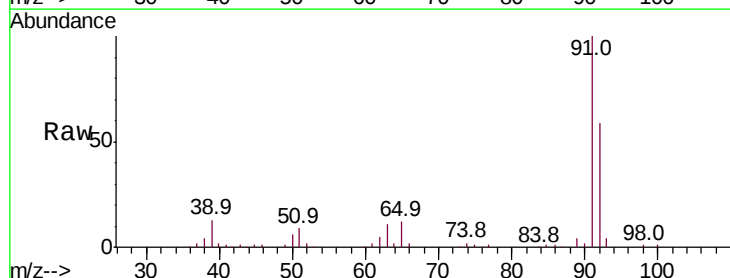
Acq: 15 May 2019 15:15

Tgt Ion: 92 Resp: 220753

Ion Ratio Lower Upper

92 100

91 170.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

150000

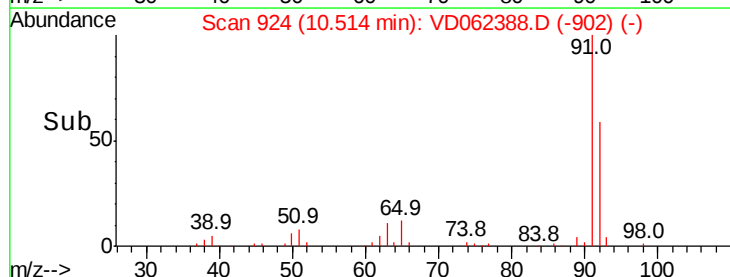
100000

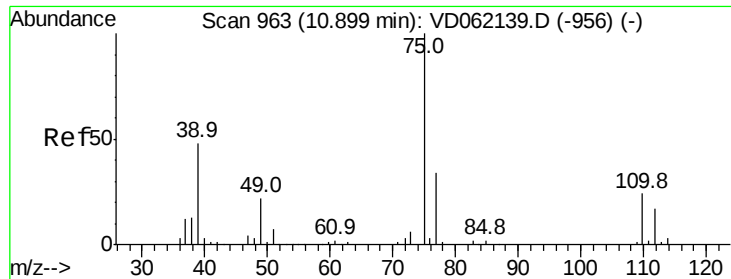
50000

0

Time-->

10.40 10.50 10.60 10.70

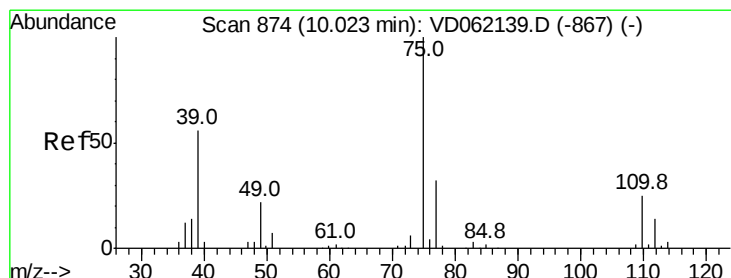
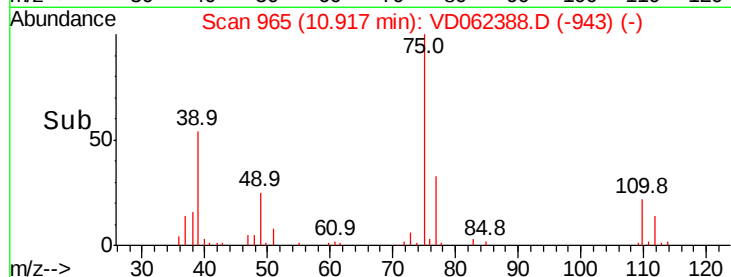
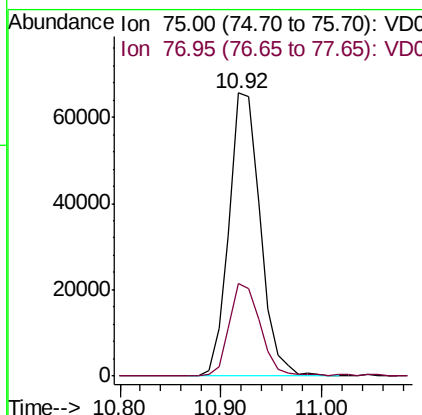
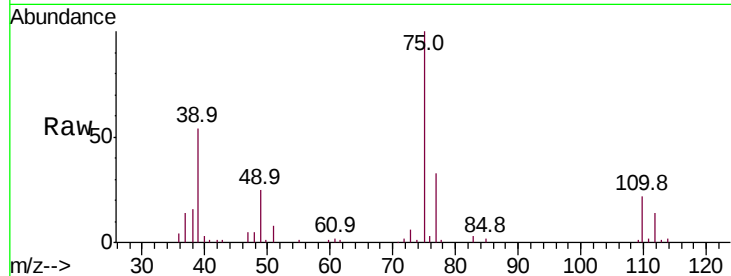




#53
 t-1,3-Dichloropropene
 Concen: 19.709 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

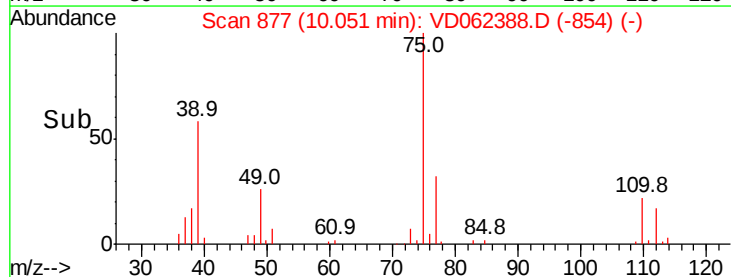
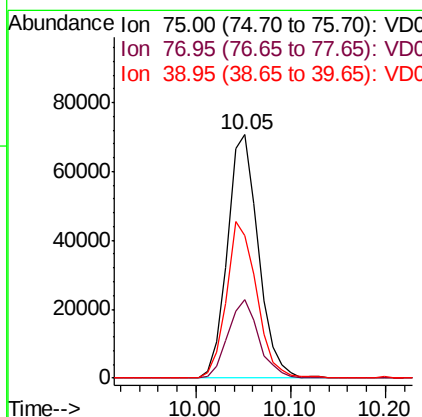
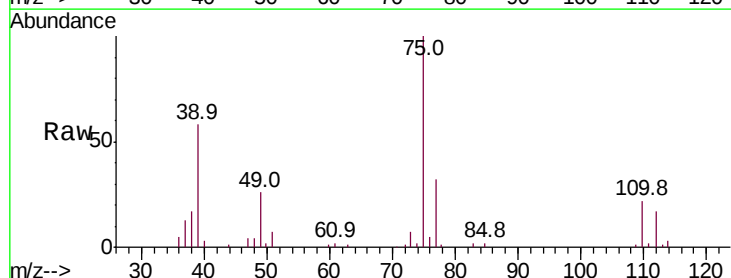
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBSD01

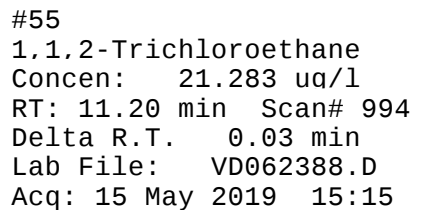
Tot Ion: 75 Resp: 141571
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.375 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

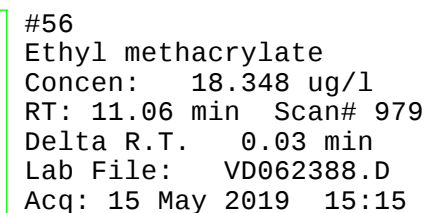
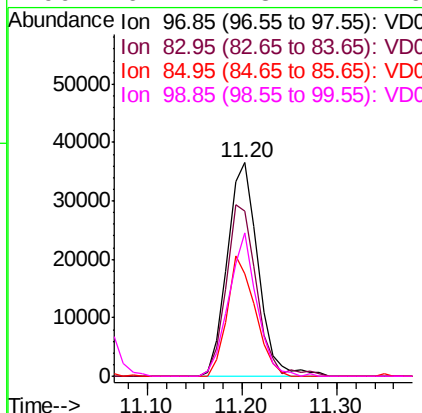
Tgt Ion: 75 Resp: 159659
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.5 38.3
 39 58.3 39.4 59.2



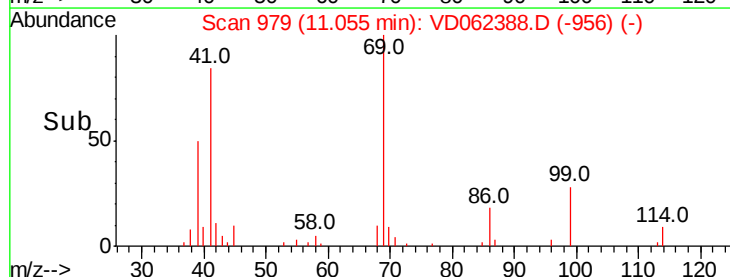
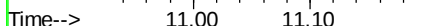
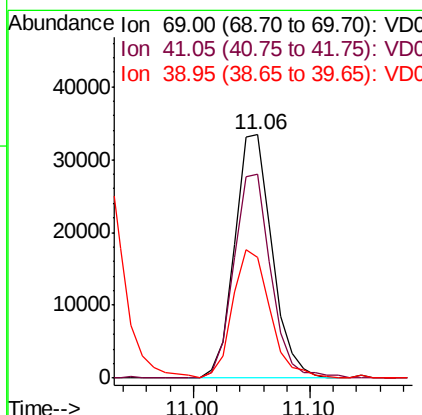


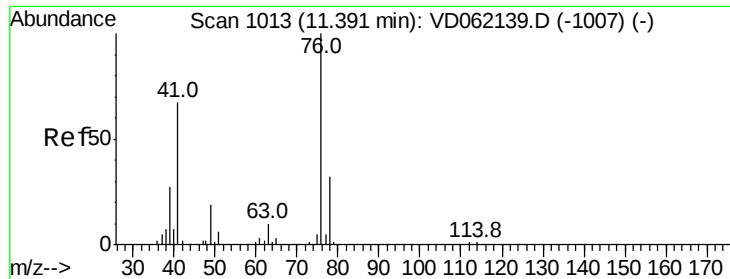
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBSD01

Tat	Ion: 97	Resp:	82767
Ion	Ratio	Lower	Upper
97	100		
83	77.5	65.7	98.5
85	47.7	45.6	68.4
99	67.2	48.4	72.6



Tgt	Ion: 69	Resp:	74144
Ion	Ratio	Lower	Upper
69	100		
41	83.7	56.3	84.5
39	49.6	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 19.782 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.03 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

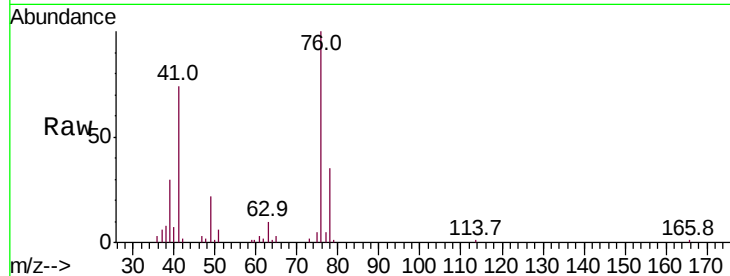
VD0515SBS01

Tot Ion: 76 Resp: 116221

Ion Ratio Lower Upper

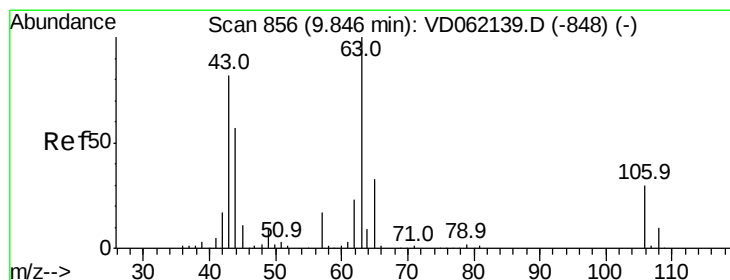
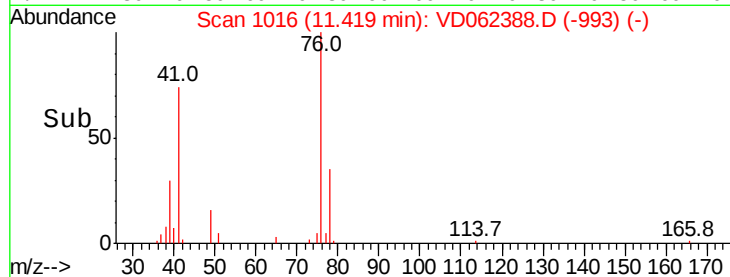
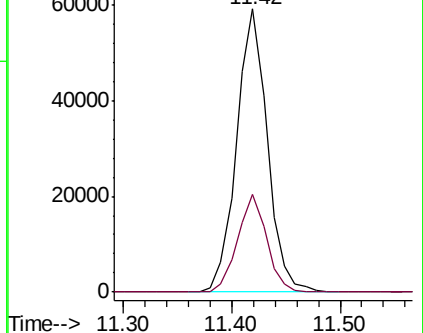
76 100

78 34.6 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: 108.350 ug/l

RT: 9.86 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD062388.D

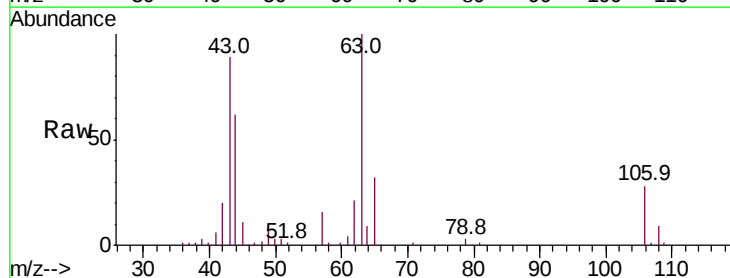
Acq: 15 May 2019 15:15

Tgt Ion: 63 Resp: 239169

Ion Ratio Lower Upper

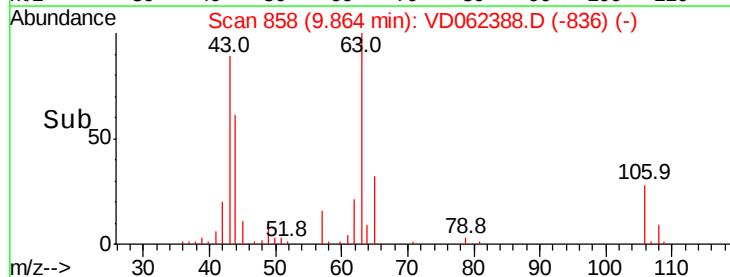
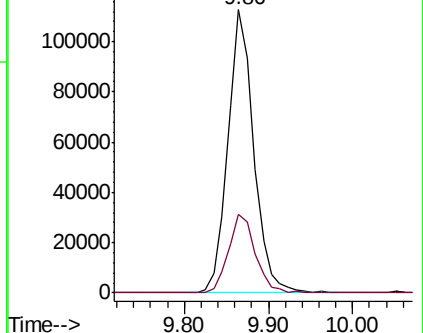
63 100

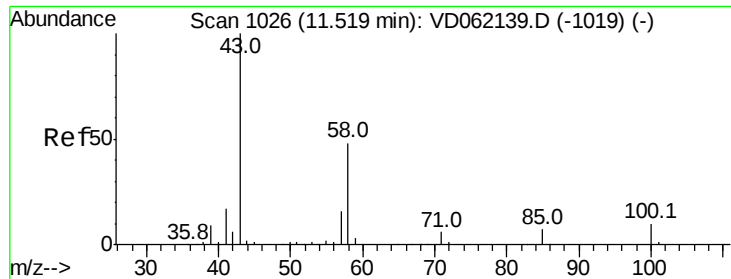
106 27.9 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

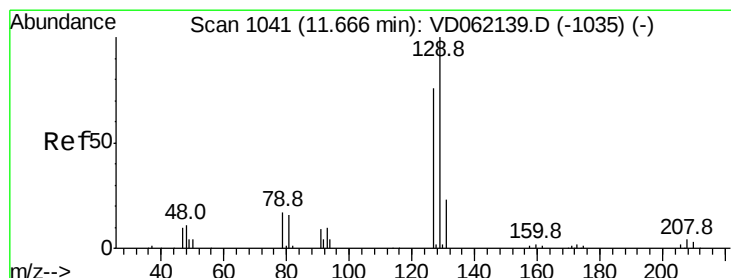
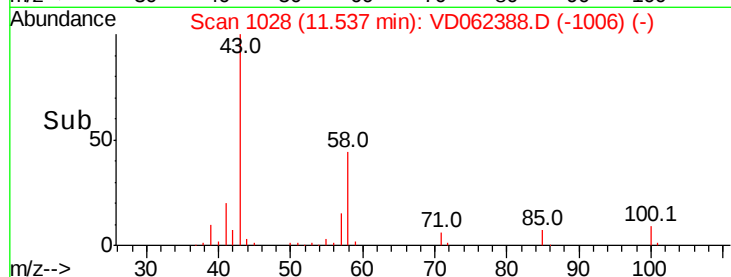
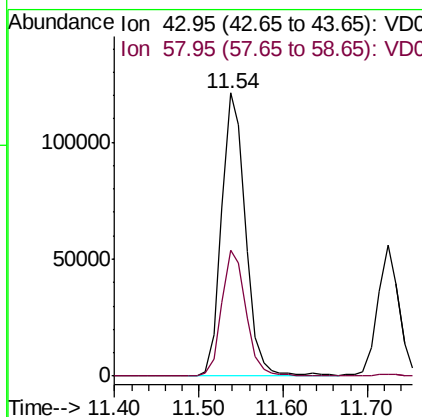
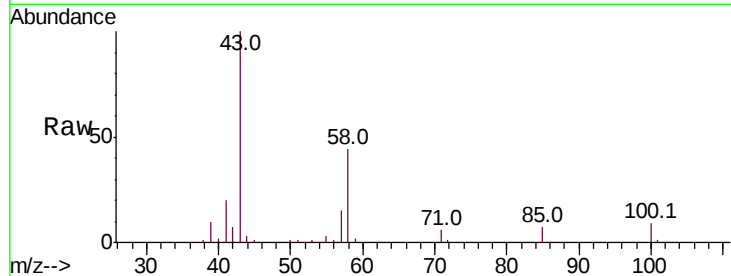




#59
2-Hexanone
Concen: 112.251 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

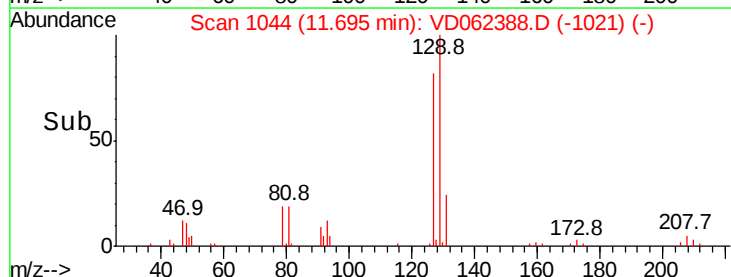
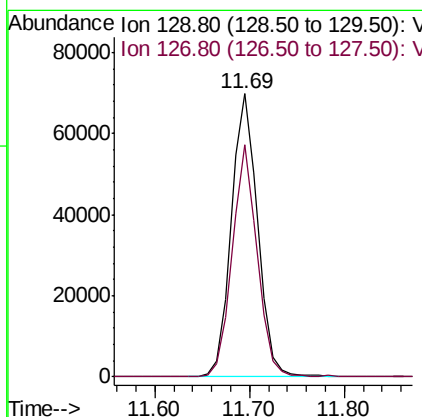
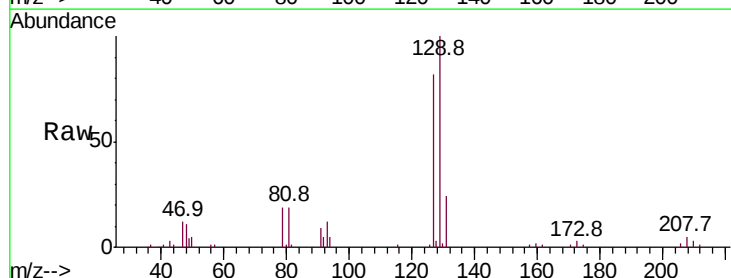
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

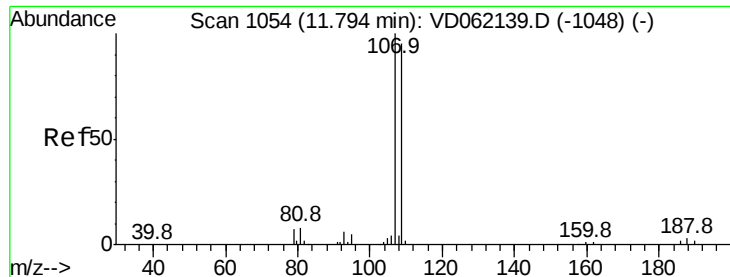
Tot Ion: 43 Resp: 239279
Ion Ratio Lower Upper
43 100
58 44.4 25.4 76.4



#60
Dibromochloromethane
Concen: 19.868 ug/l
RT: 11.69 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Tgt Ion: 129 Resp: 133527
Ion Ratio Lower Upper
129 100
127 82.1 38.0 113.9

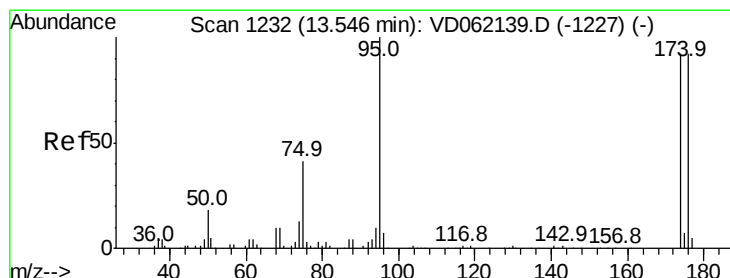
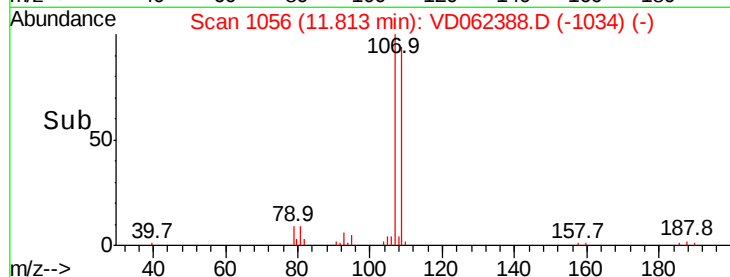
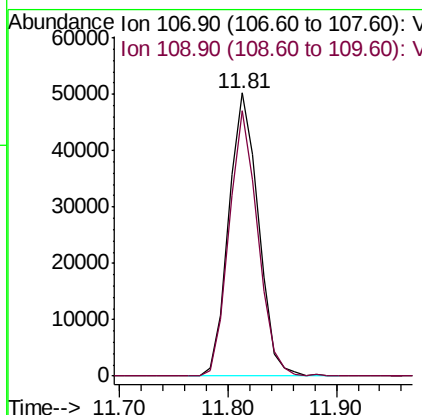
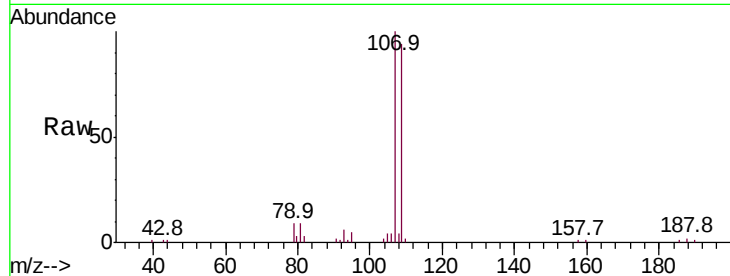




#61
 1,2-Dibromoethane
 Concen: 20.172 ug/l
 RT: 11.81 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

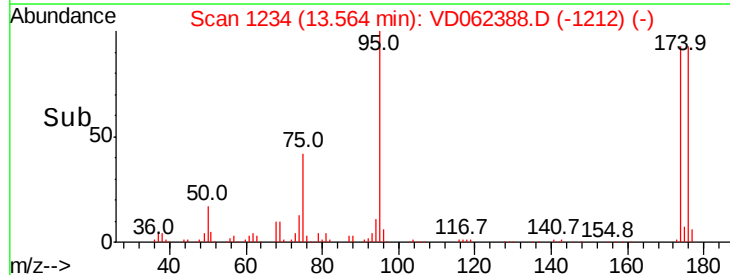
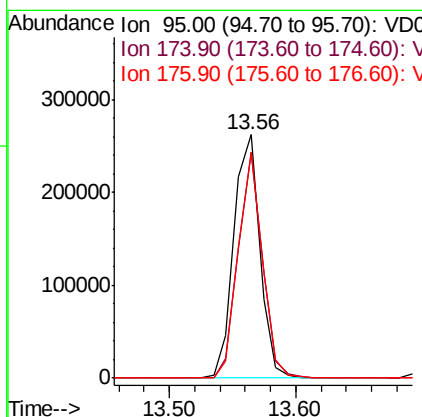
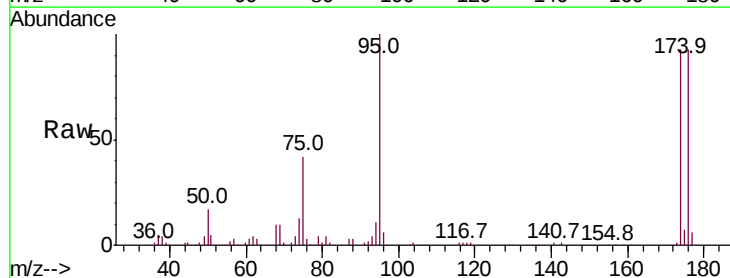
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBSD01

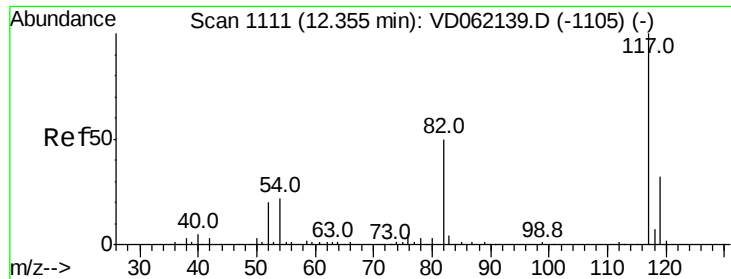
Tot Ion:107 Resp: 95370
 Ion Ratio Lower Upper
 107 100
 109 93.7 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 50.681 ug/l
 RT: 13.56 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Tgt Ion: 95 Resp: 371463
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 181.8
 176 92.5 0.0 174.4

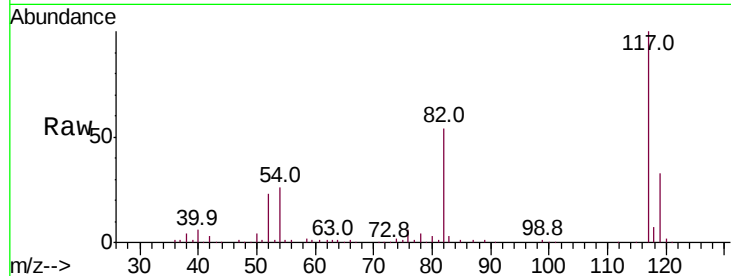




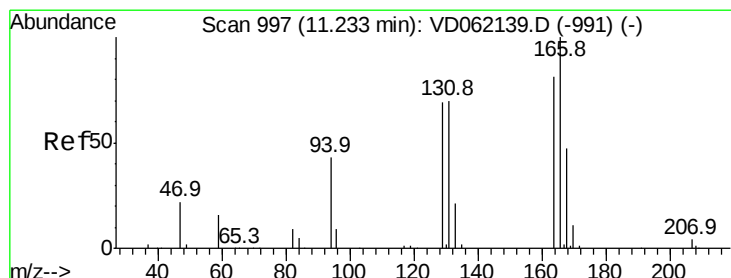
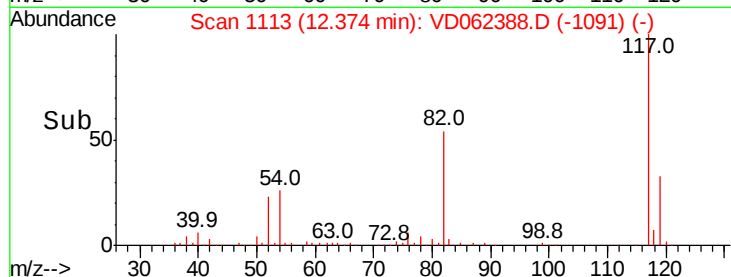
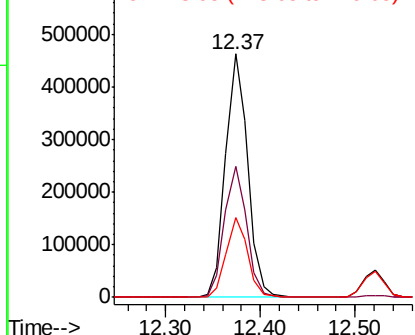
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

Tot Ion:117 Resp: 751925
Ion Ratio Lower Upper
117 100
82 53.8 36.2 54.2
119 32.6 26.2 39.4

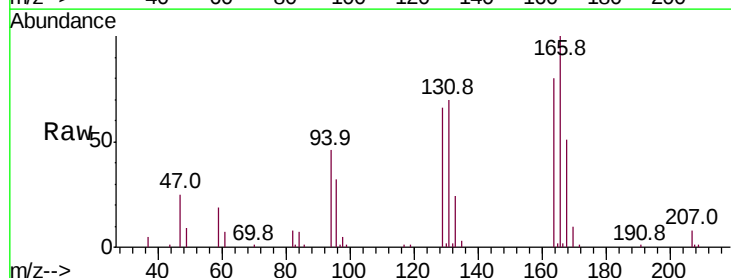


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

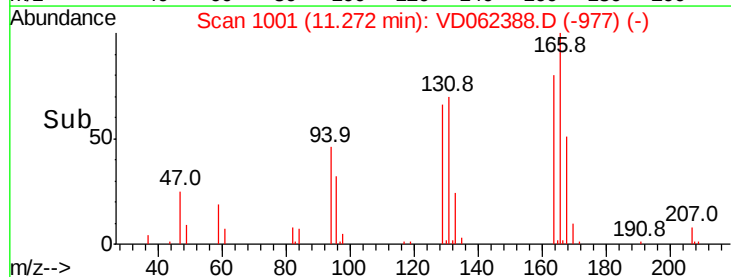
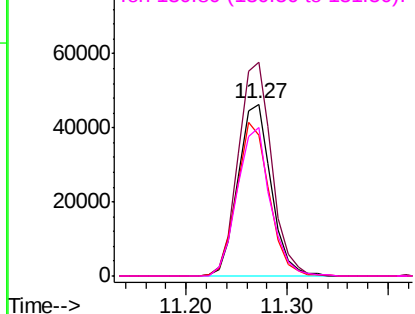


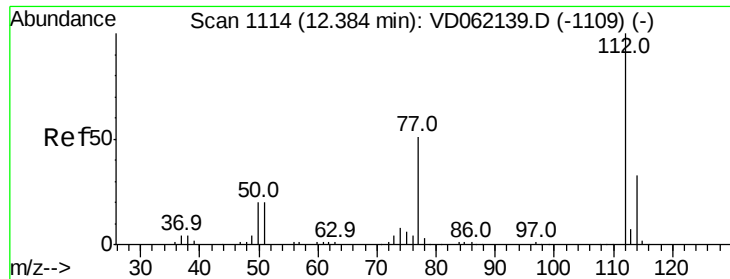
#64
Tetrachloroethene
Concen: 17.997 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Tgt Ion:164 Resp: 105820
Ion Ratio Lower Upper
164 100
166 124.4 101.5 152.3
129 82.4 74.6 112.0
131 86.6 72.6 108.8



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

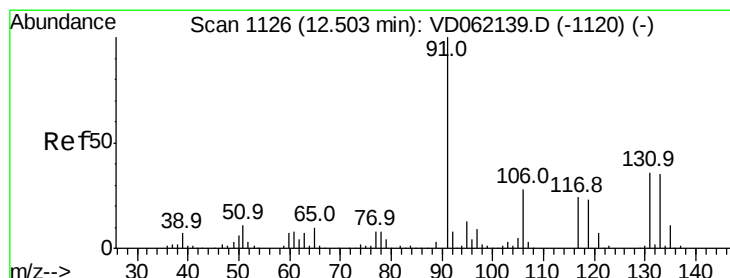
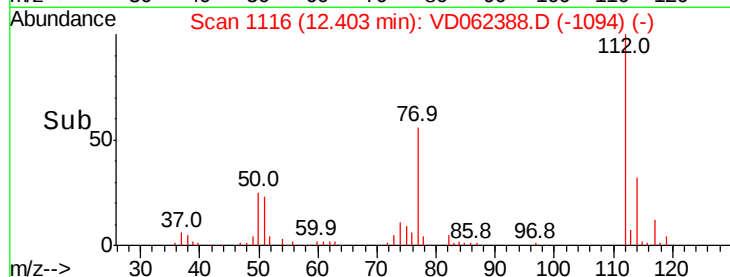
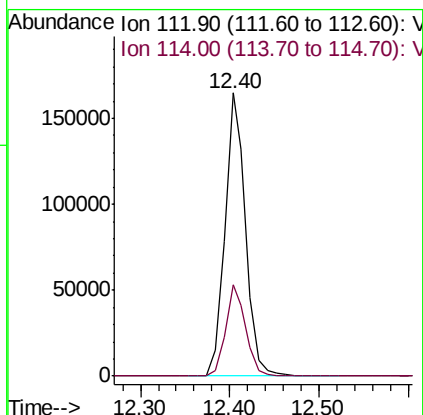
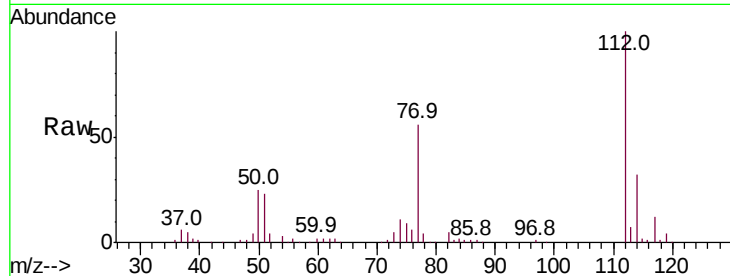




#65
Chlorobenzene
Concen: 19.121 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

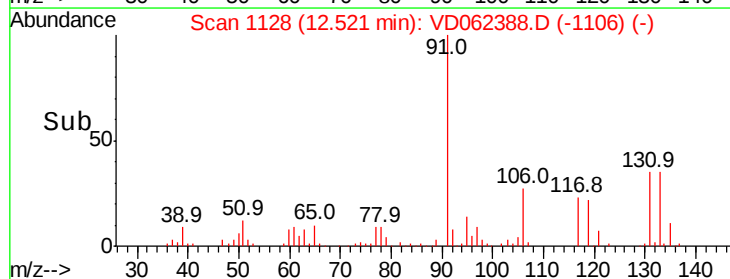
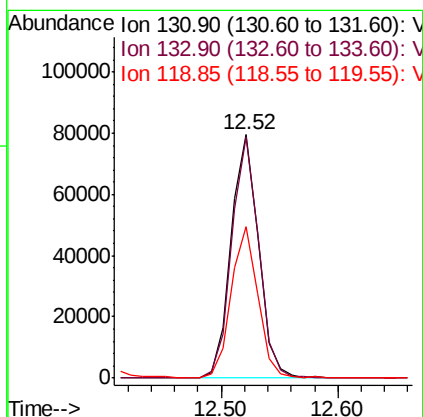
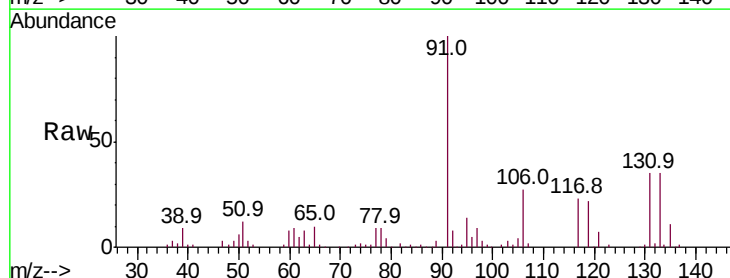
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

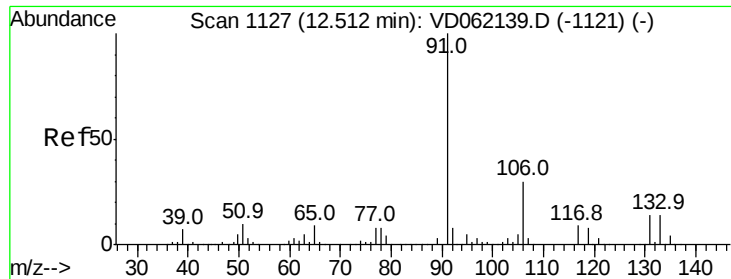
Tot Ion:112 Resp: 267784
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.287 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Tgt Ion:131 Resp: 129749
Ion Ratio Lower Upper
131 100
133 99.2 48.6 145.8
119 62.3 34.7 104.1

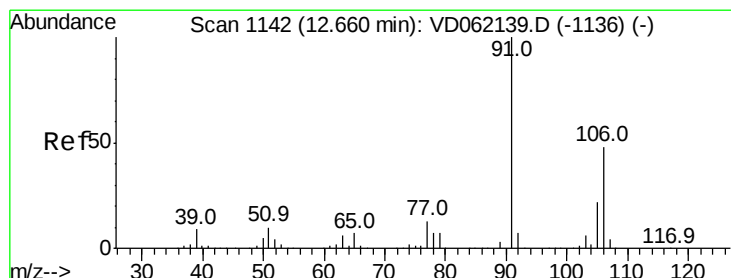
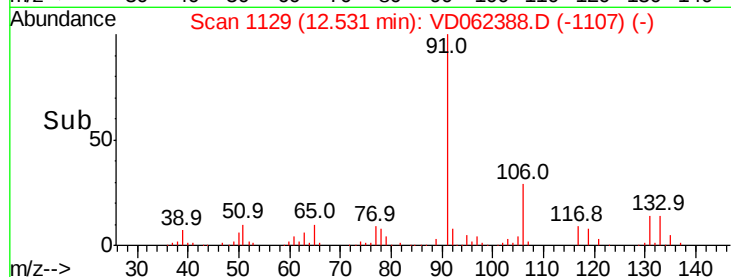
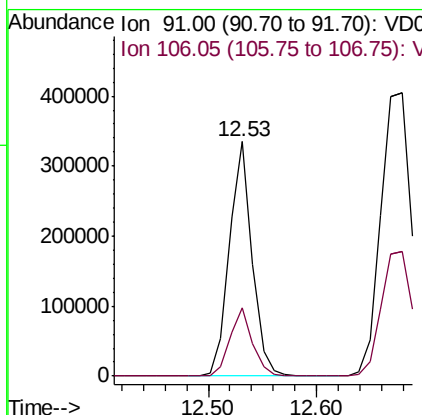
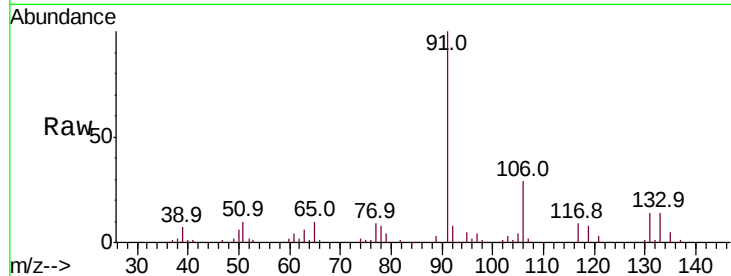




#67
Ethyl Benzene
Concen: 20.900 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

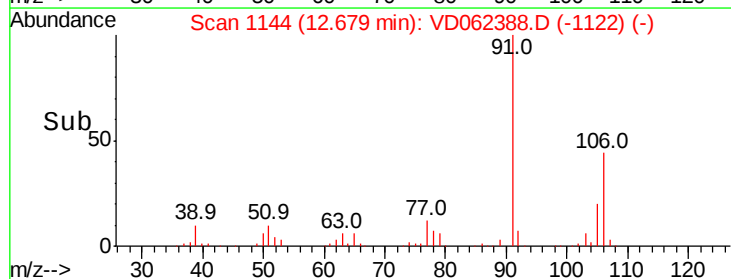
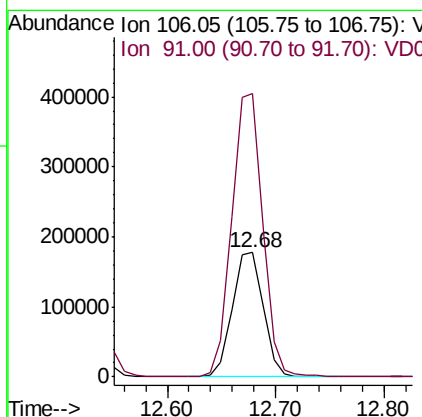
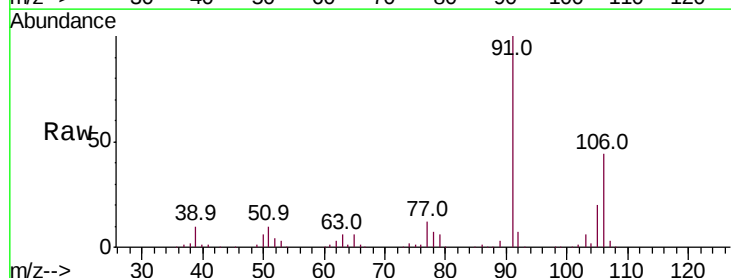
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

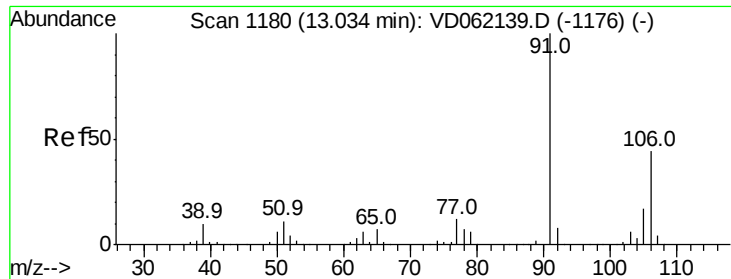
Tot Ion: 91 Resp: 490023
Ion Ratio Lower Upper
91 100
106 29.2 24.7 37.1



#68
m/p-Xylenes
Concen: 41.372 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Tgt Ion:106 Resp: 352916
Ion Ratio Lower Upper
106 100
91 227.6 164.0 246.0

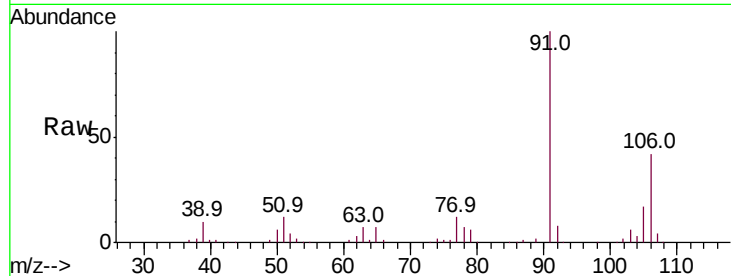




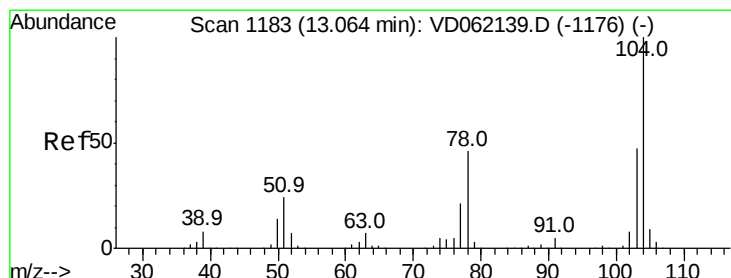
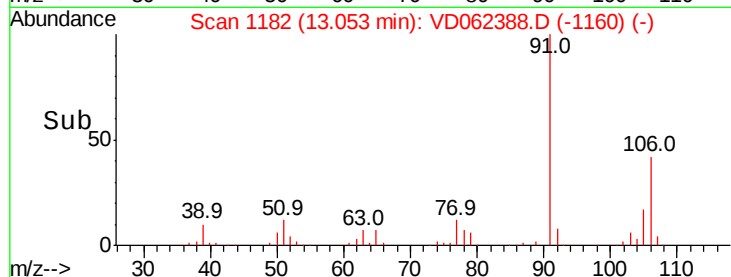
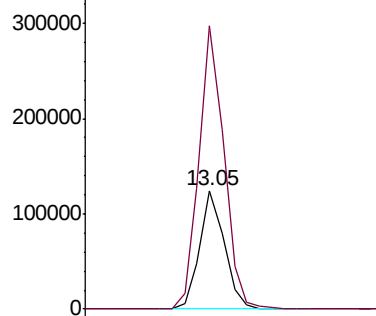
#69
o-Xylene
Concen: 21.272 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBSD01

Tot Ion:106 Resp: 168697
Ion Ratio Lower Upper
106 100
91 238.6 106.7 319.9

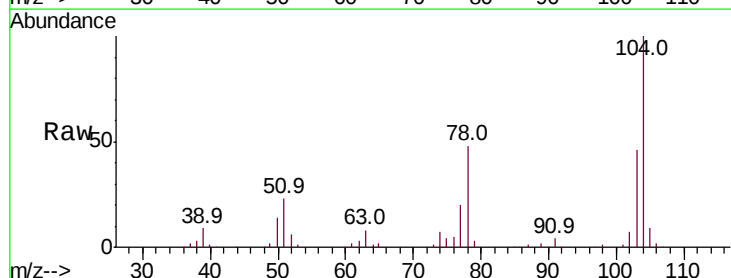


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

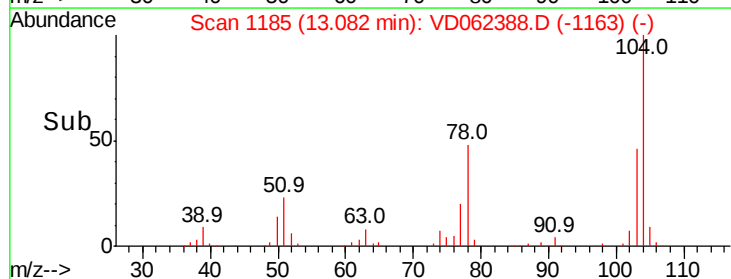
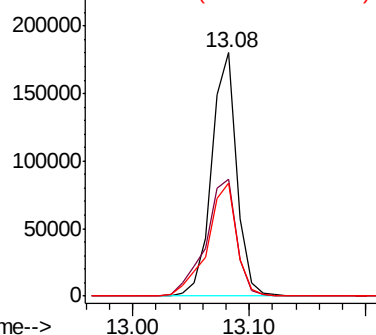


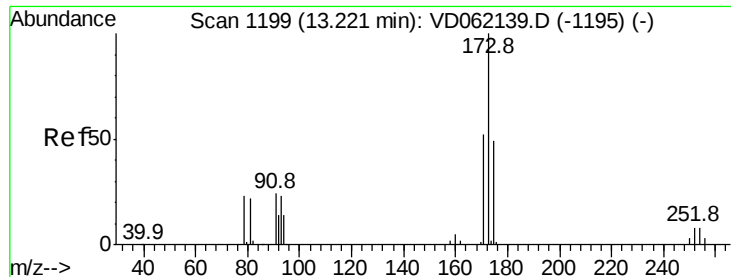
#70
Styrene
Concen: 20.056 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Tgt Ion:104 Resp: 269440
Ion Ratio Lower Upper
104 100
78 47.8 35.4 53.2
103 46.3 37.5 56.3



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





#71

Bromoform

Concen: 19.420 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

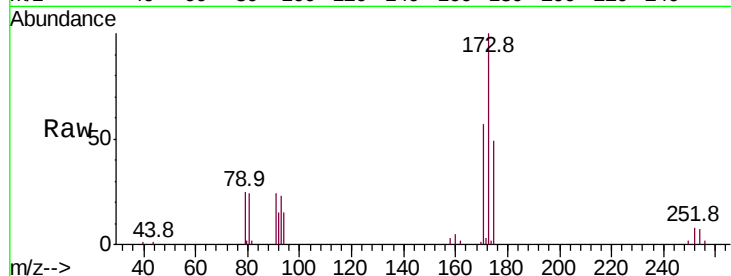
Tot Ion:173 Resp: 82354

Ion Ratio Lower Upper

173 100

175 49.3 24.4 73.4

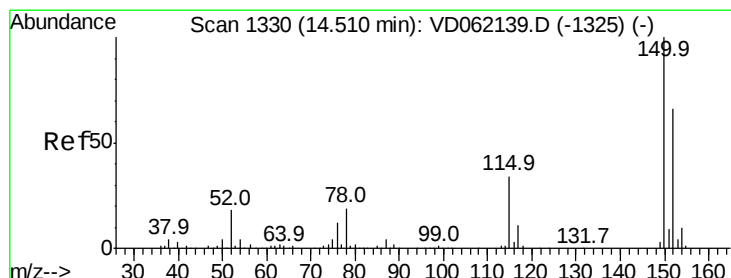
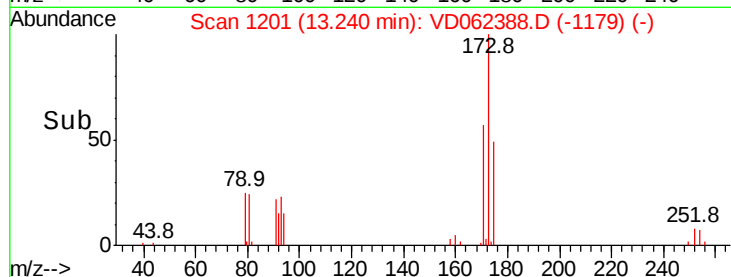
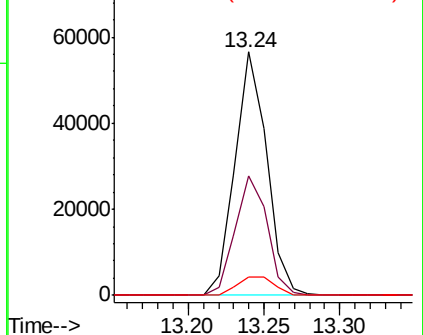
254 7.3 5.4 8.2



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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

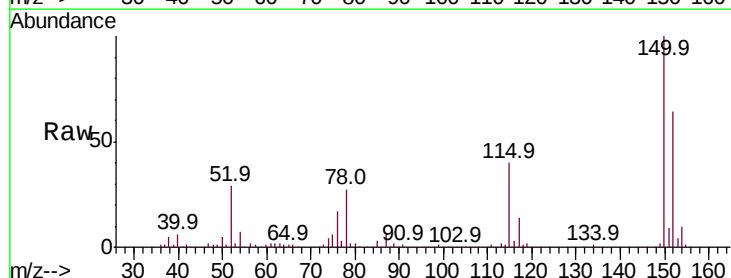
Tgt Ion:152 Resp: 435473

Ion Ratio Lower Upper

152 100

115 61.9 30.9 92.7

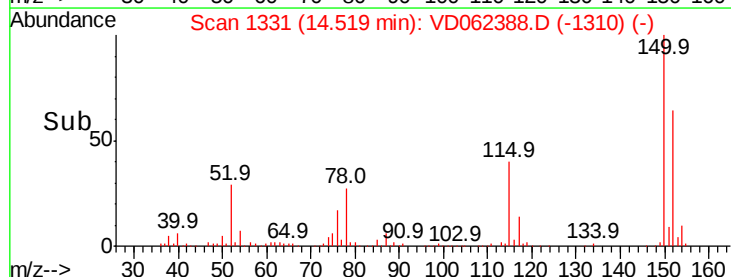
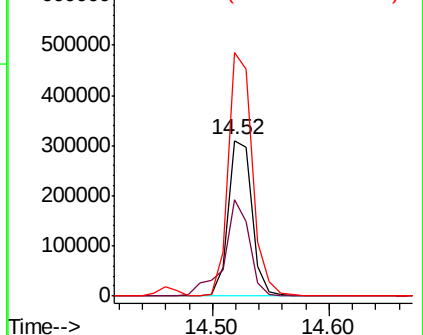
150 156.7 0.0 314.8

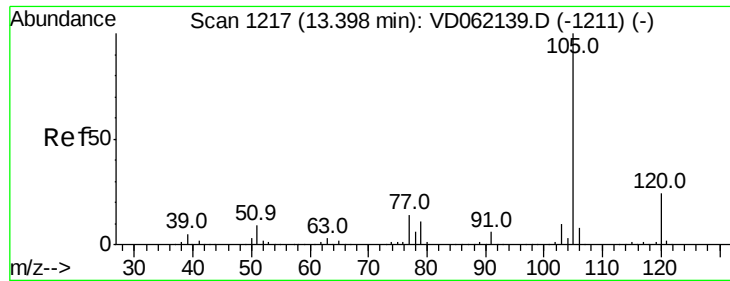


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.199 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

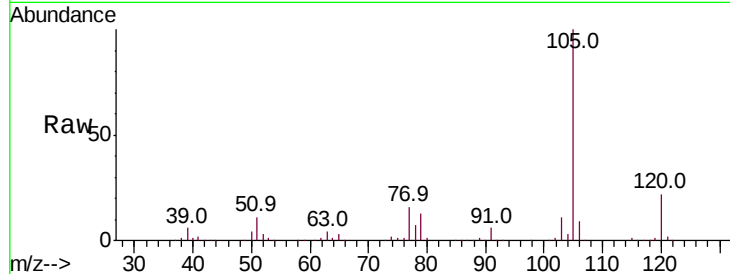
VD0515SBS01

Tot Ion:105 Resp: 501172

Ion Ratio Lower Upper

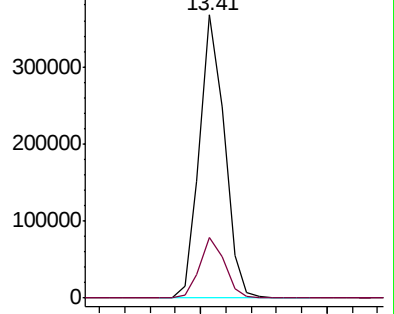
105 100

120 21.6 12.0 36.1

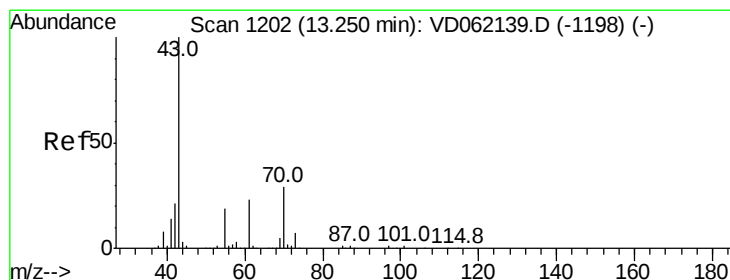
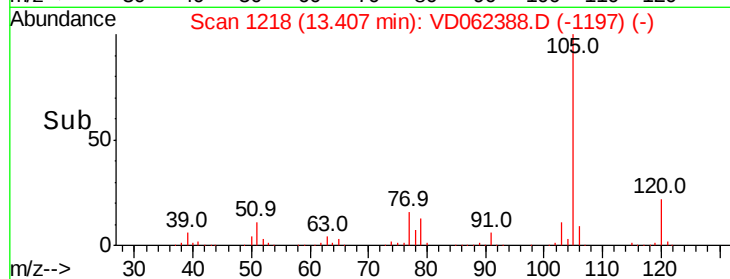


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 18.294 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Tgt Ion: 43 Resp: 125203

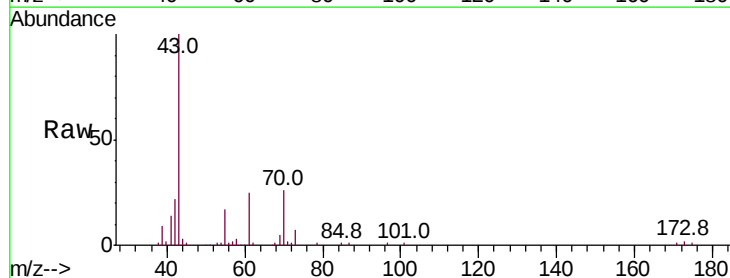
Ion Ratio Lower Upper

43 100

70 25.6 24.2 36.4

55 17.2 16.0 24.0

61 24.8 21.6 32.4

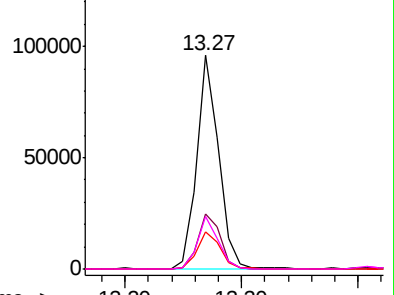


Abundance Ion 42.95 (42.65 to 43.65): V

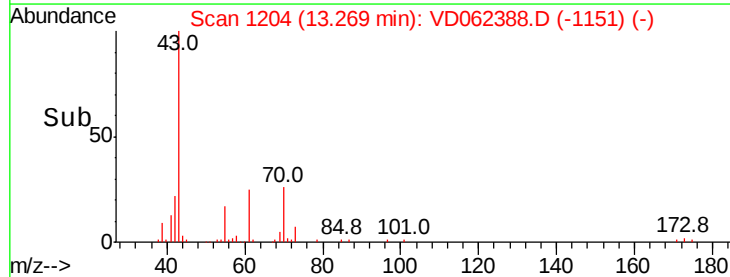
Ion 70.00 (69.70 to 70.70): V

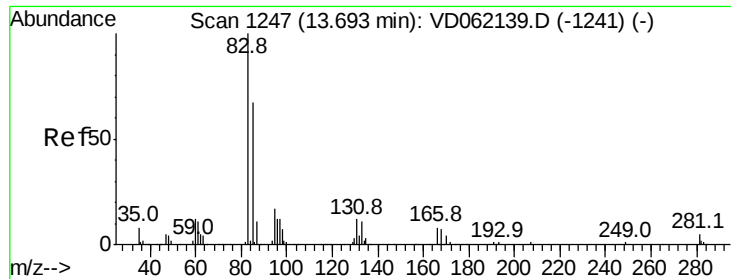
Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.775 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

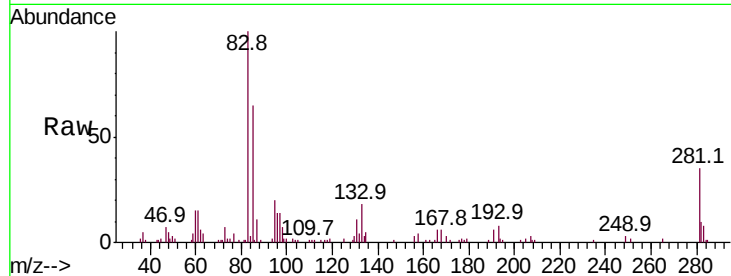
Tot Ion: 83 Resp: 87841

Ion Ratio Lower Upper

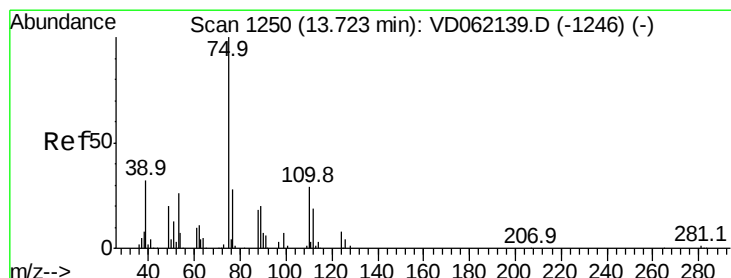
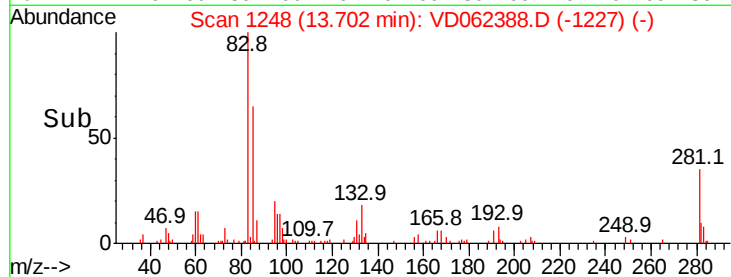
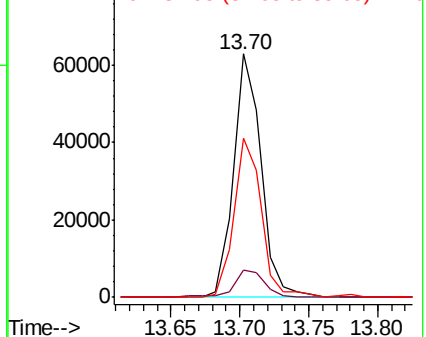
83 100

131 11.0 5.0 14.9

85 65.2 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: 19.358 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062388.D

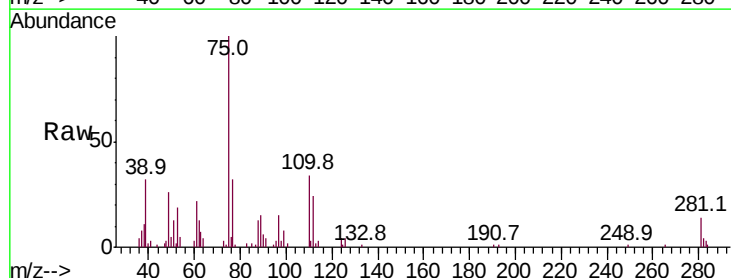
Acq: 15 May 2019 15:15

Tgt Ion: 75 Resp: 100184

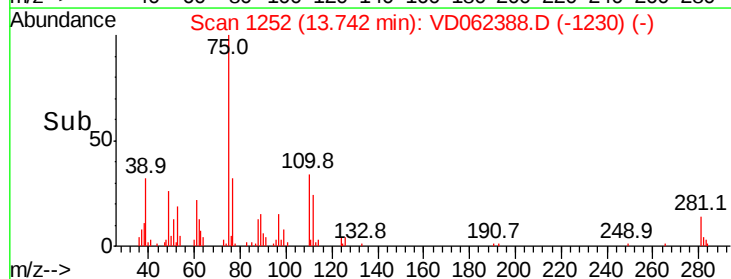
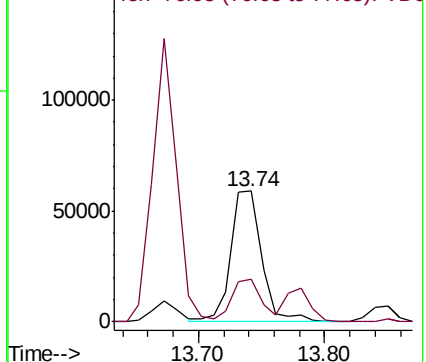
Ion Ratio Lower Upper

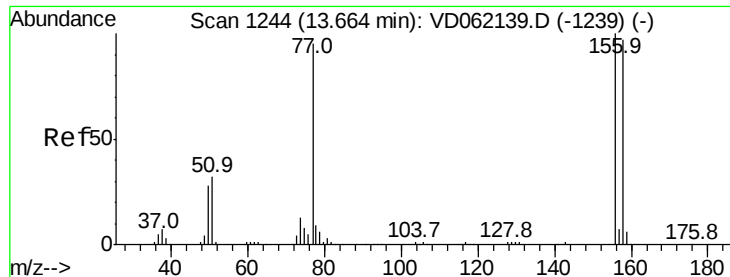
75 100

77 32.5 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: 17.979 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

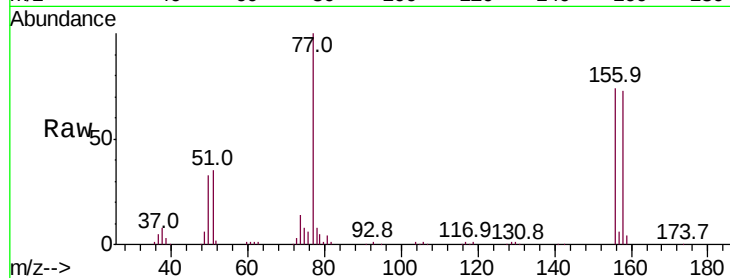
Tot Ion:156 Resp: 131380

Ion Ratio Lower Upper

156 100

77 135.6 53.1 159.4

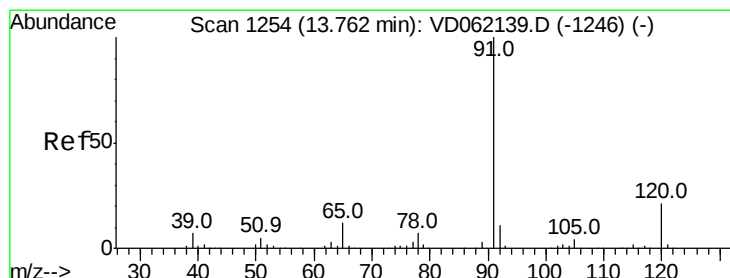
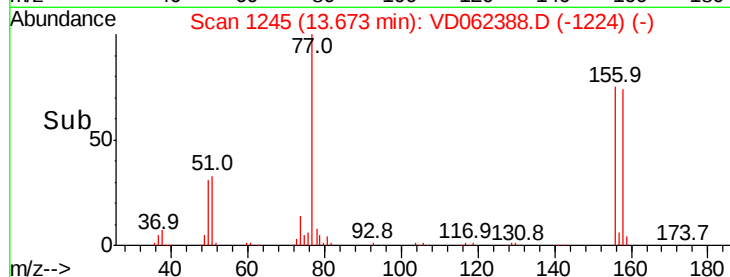
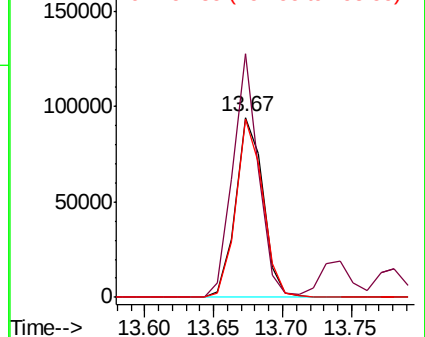
158 99.2 49.4 148.0



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: 17.600 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062388.D

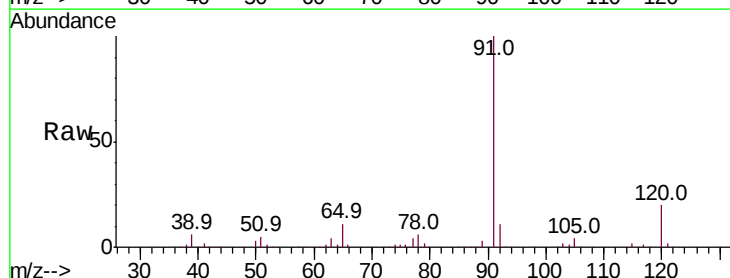
Acq: 15 May 2019 15:15

Tgt Ion: 91 Resp: 548042

Ion Ratio Lower Upper

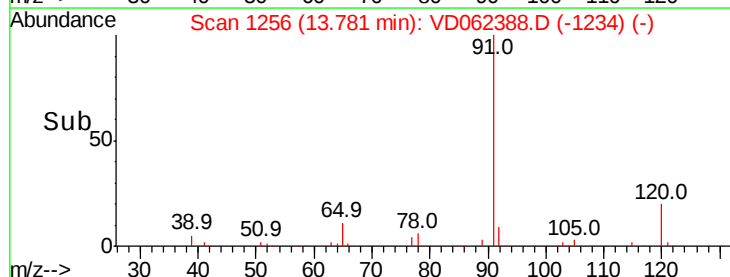
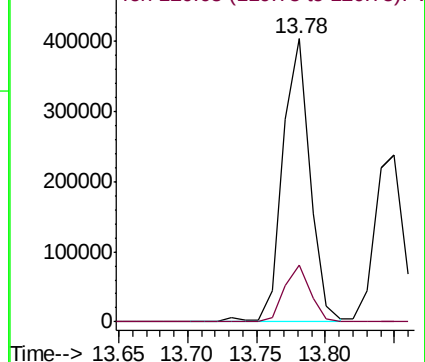
91 100

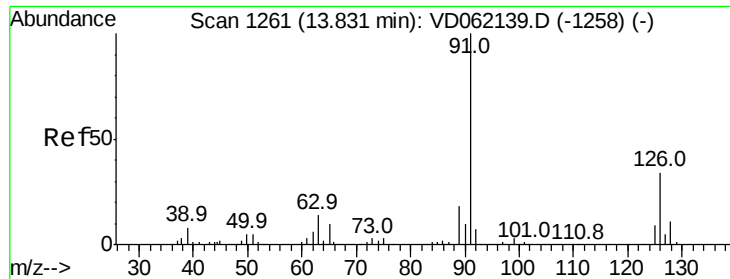
120 20.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

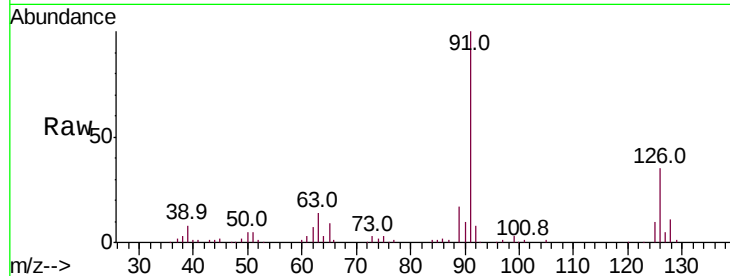




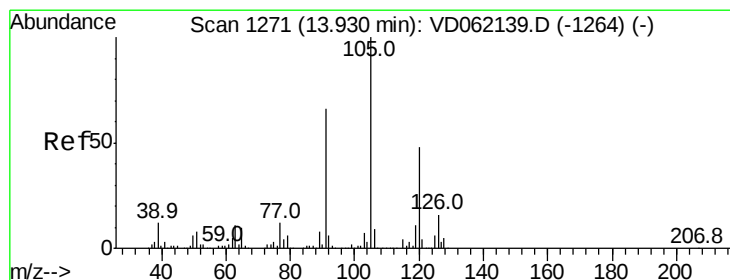
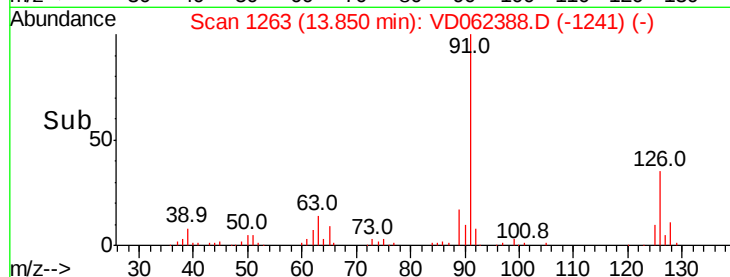
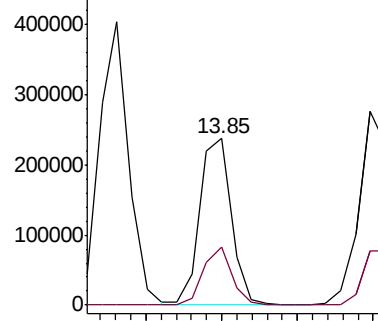
#79
 2-Chlorotoluene
 Concen: 19.221 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.02 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion: 91 Resp: 342783
 Ion Ratio Lower Upper
 91 100
 126 34.6 18.6 55.8

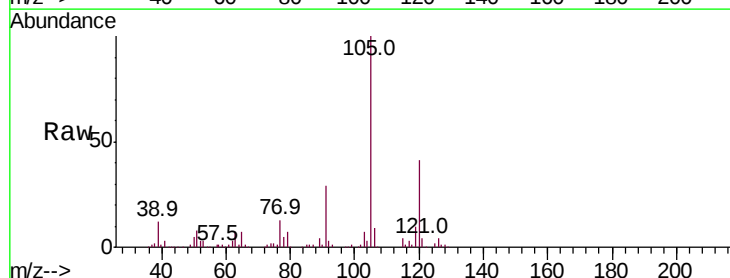


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

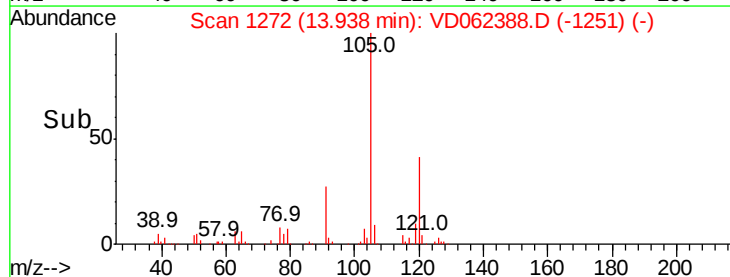
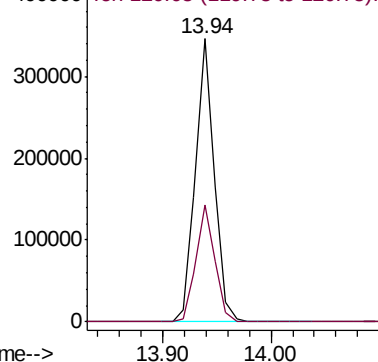


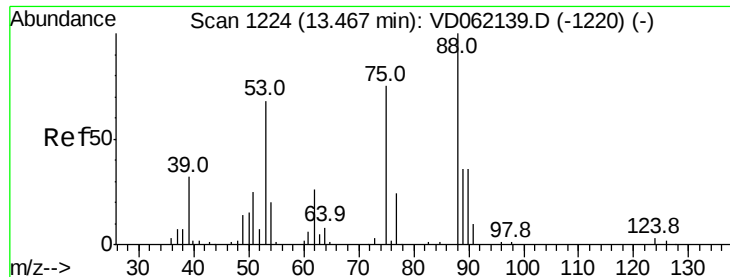
#80
 1,3,5-Trimethylbenzene
 Concen: 19.036 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Tgt Ion:105 Resp: 418447
 Ion Ratio Lower Upper
 105 100
 120 41.3 24.0 72.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 15.153 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062388.D

Acq: 15 May 2019 15:15

Instrument :

MSVOA_D

ClientSampleId :

VD0515SBS01

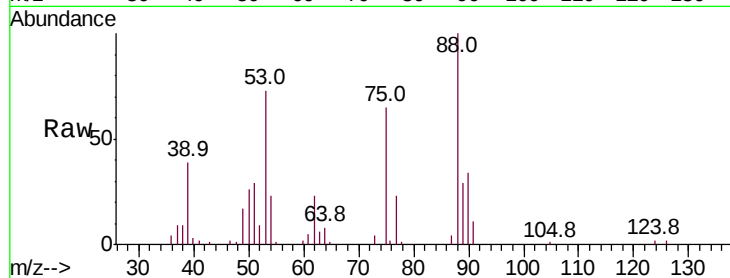
Tot Ion: 75 Resp: 22138

Ion Ratio Lower Upper

75 100

53 111.7 65.8 98.8#

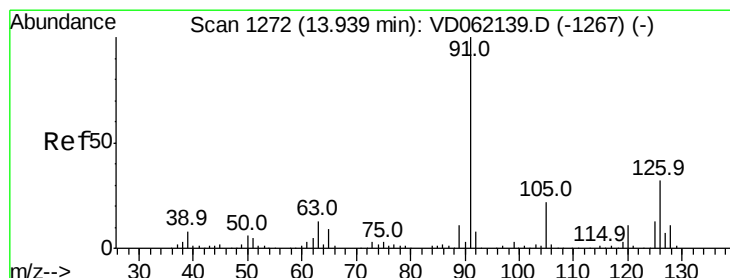
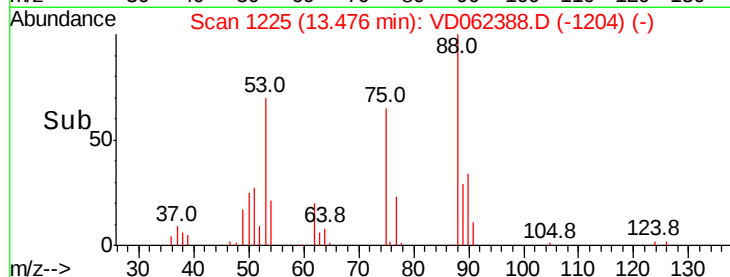
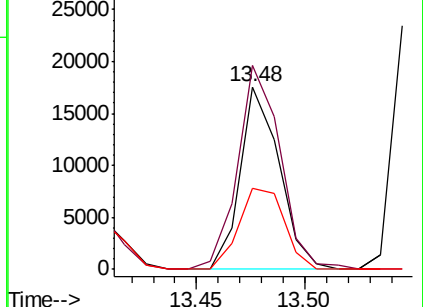
89 44.6 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.376 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062388.D

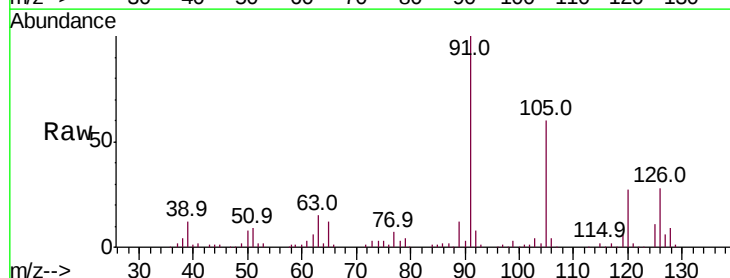
Acq: 15 May 2019 15:15

Tgt Ion: 91 Resp: 406625

Ion Ratio Lower Upper

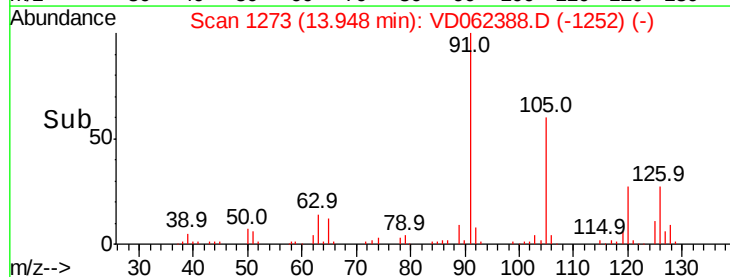
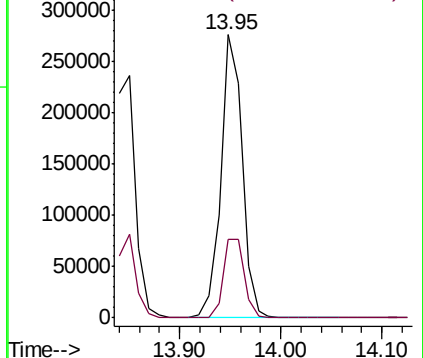
91 100

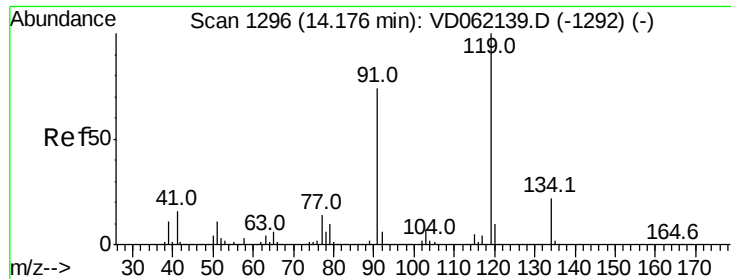
126 27.9 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

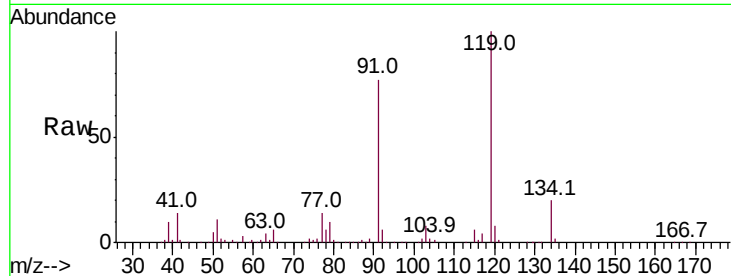




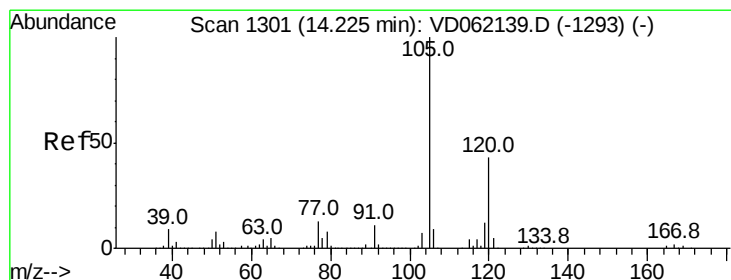
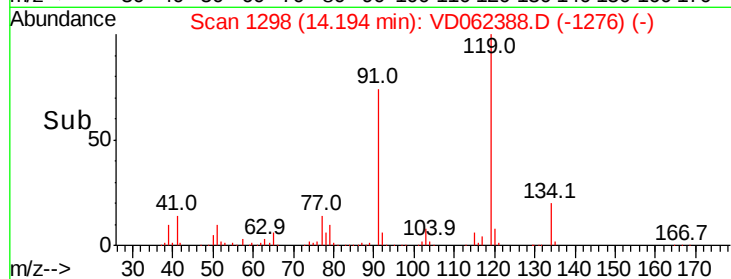
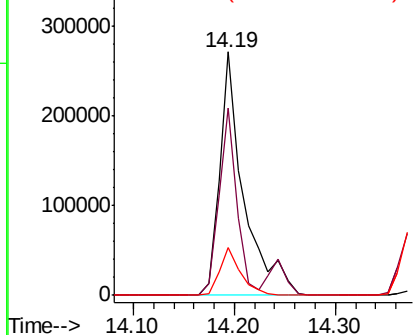
#83
 tert-Butylbenzene
 Concen: 18.341 ug/l
 RT: 14.19 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion:119 Resp: 453143
 Ion Ratio Lower Upper
 119 100
 91 76.8 34.2 102.6
 134 19.8 12.0 36.0

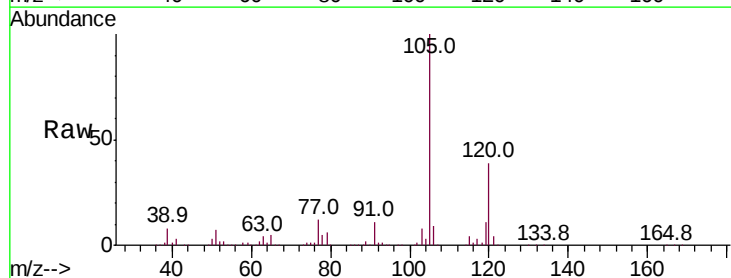


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

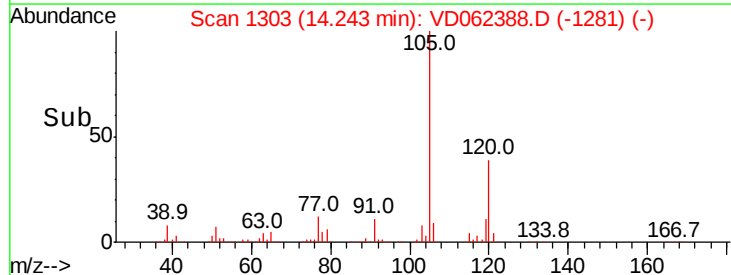
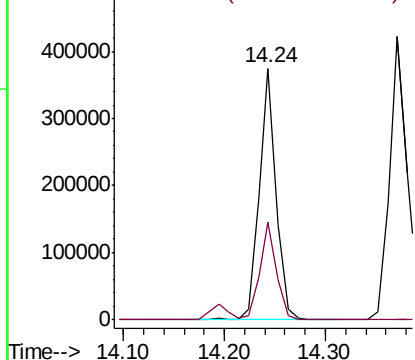


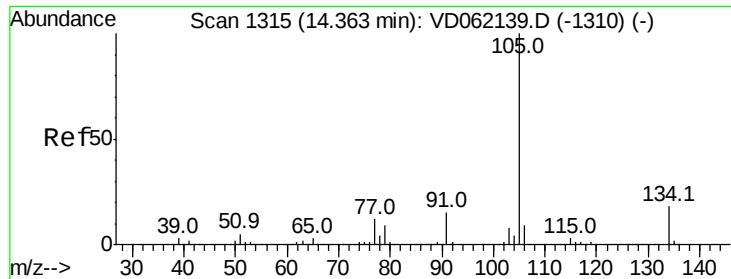
#84
 1,2,4-Trimethylbenzene
 Concen: 19.815 ug/l
 RT: 14.24 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Tgt Ion:105 Resp: 437090
 Ion Ratio Lower Upper
 105 100
 120 38.9 23.1 69.2



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

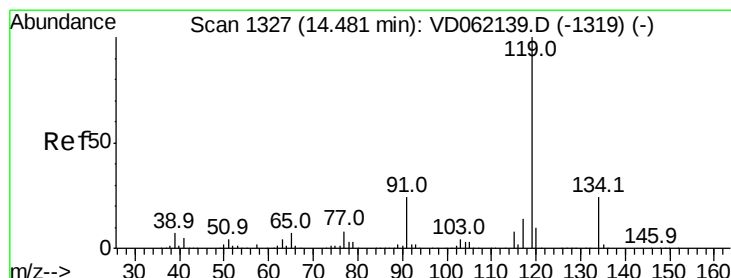
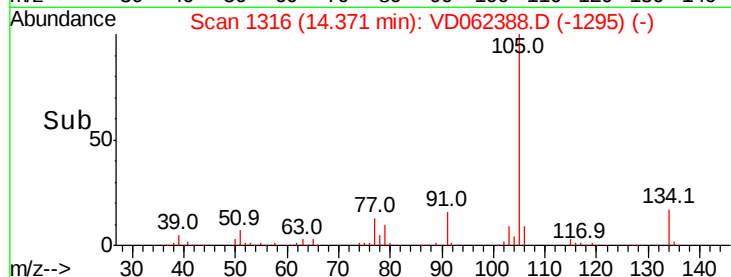
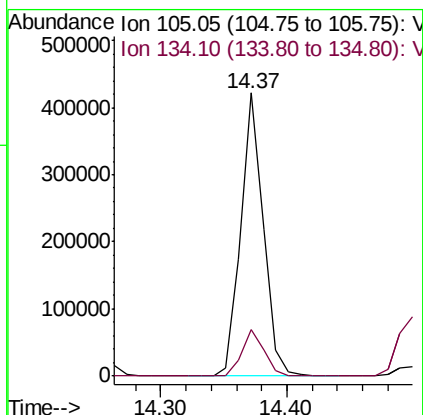
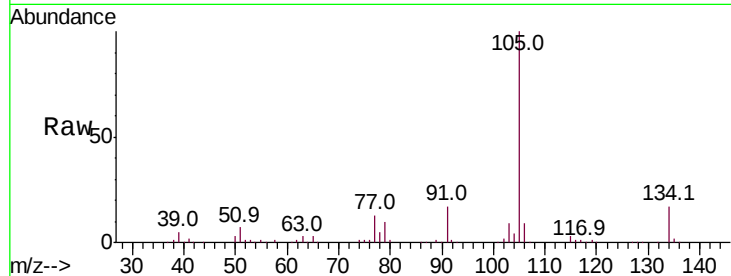




#85
 sec-Butylbenzene
 Concen: 19.100 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

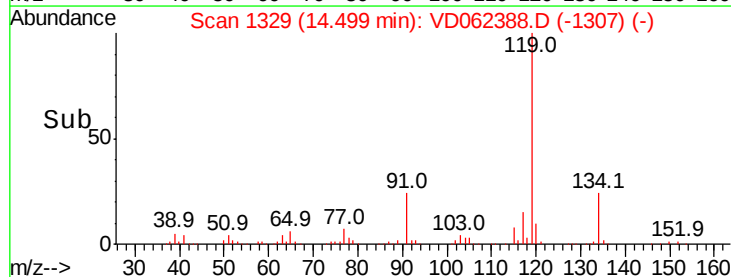
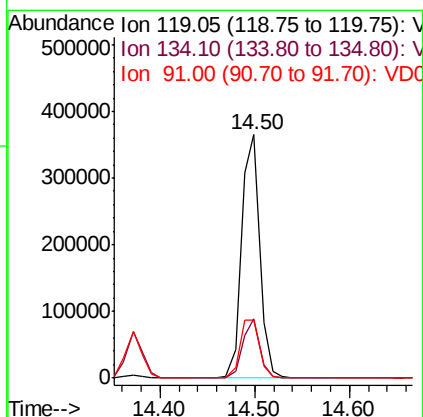
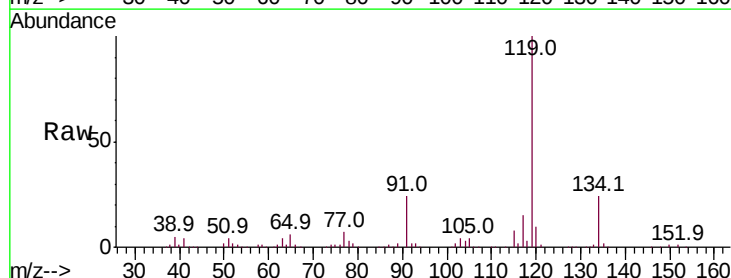
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

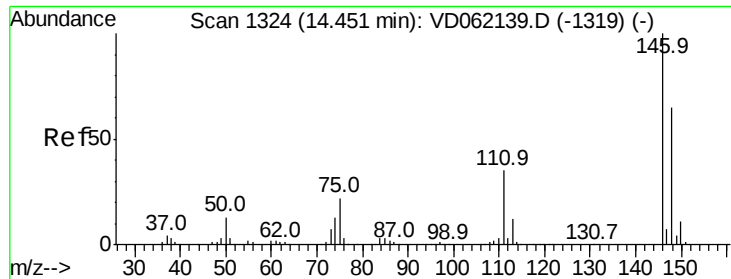
Tot Ion:105 Resp: 517388
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 19.944 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Tgt Ion:119 Resp: 482685
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.8 38.3
 91 24.0 10.7 32.1

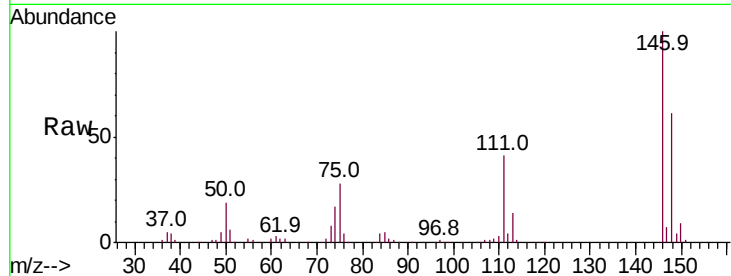




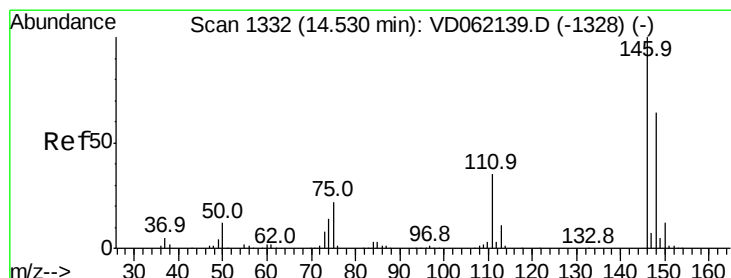
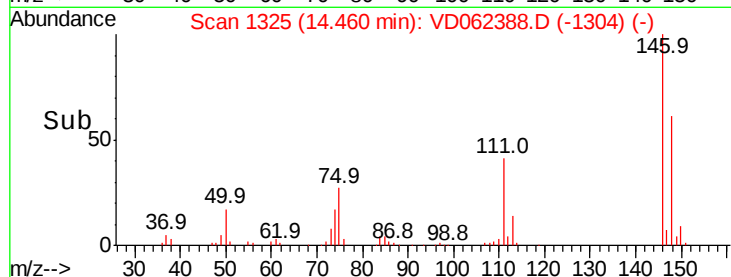
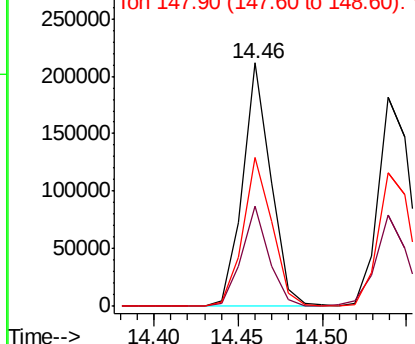
#87
 1,3-Dichlorobenzene
 Concen: 18.389 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion:146 Resp: 245475
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.0 60.0
 148 61.1 31.8 95.4

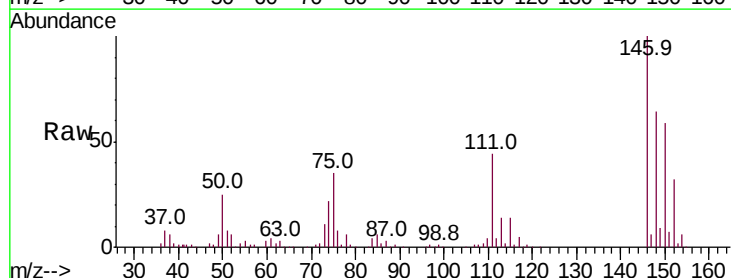


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

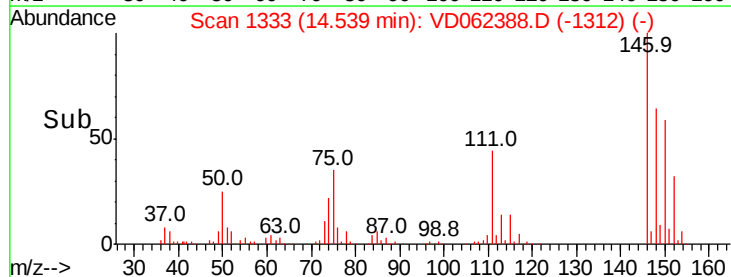
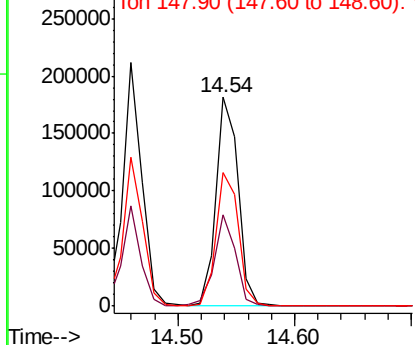


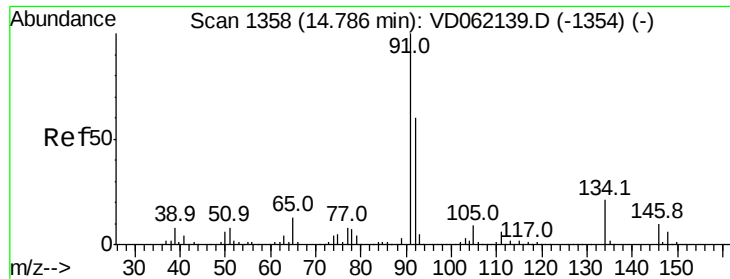
#88
 1,4-Dichlorobenzene
 Concen: 18.188 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Tgt Ion:146 Resp: 238553
 Ion Ratio Lower Upper
 146 100
 111 43.7 20.2 60.5
 148 64.0 32.0 96.2



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

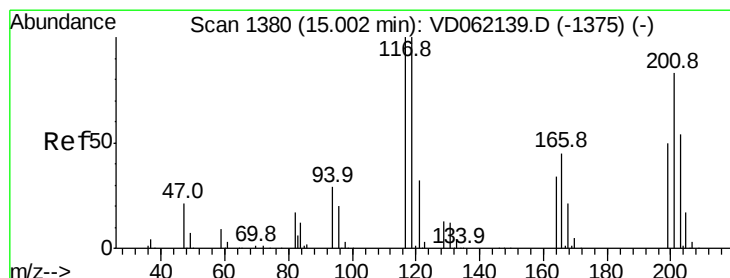
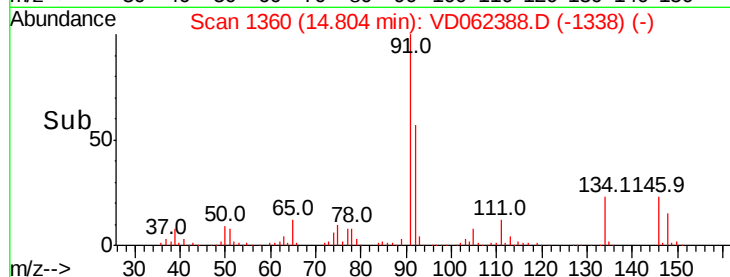
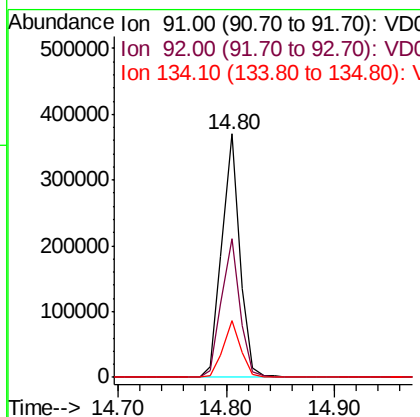
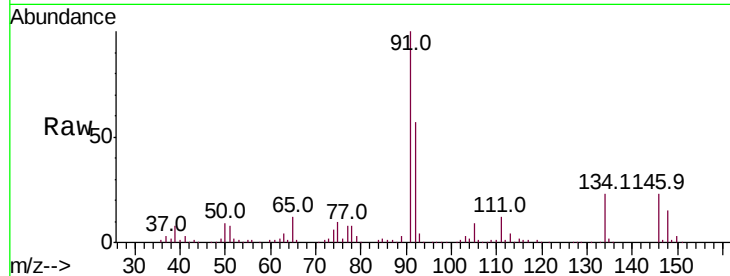




#89
n-Butylbenzene
Concen: 19.775 ug/l
RT: 14.80 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

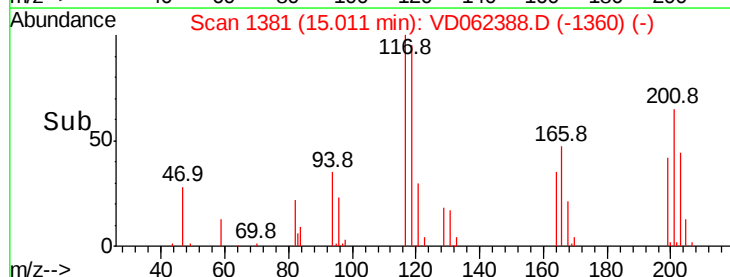
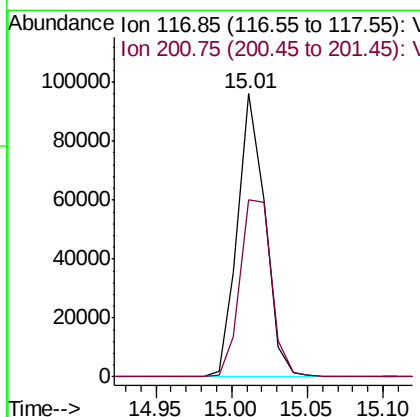
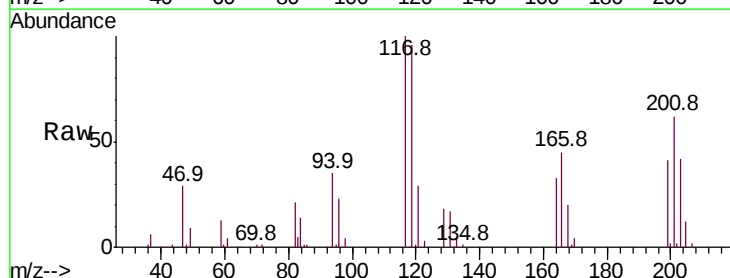
Instrument :
MSVOA_D
ClientSampleId :
VD0515SBS01

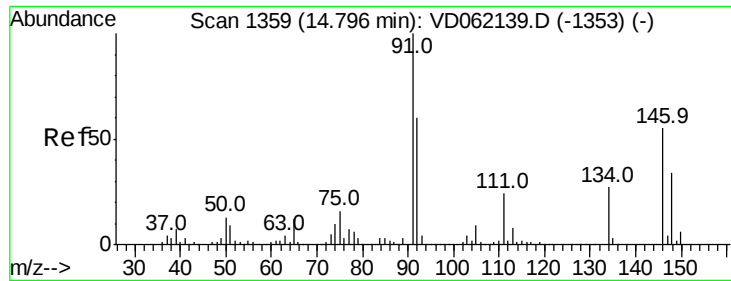
Tot Ion: 91 Resp: 429570
Ion Ratio Lower Upper
91 100
92 57.1 30.3 91.0
134 23.3 14.5 43.6



#90
Hexachloroethane
Concen: 18.490 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Tgt Ion: 117 Resp: 121693
Ion Ratio Lower Upper
117 100
201 62.4 30.2 90.6

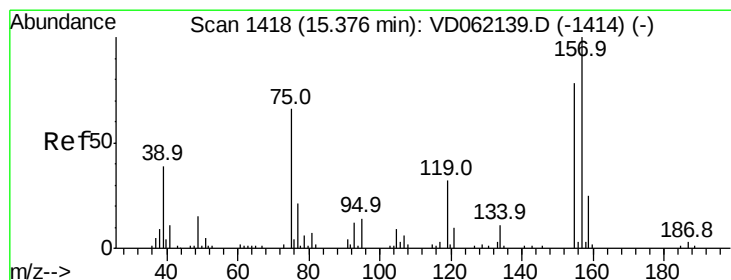
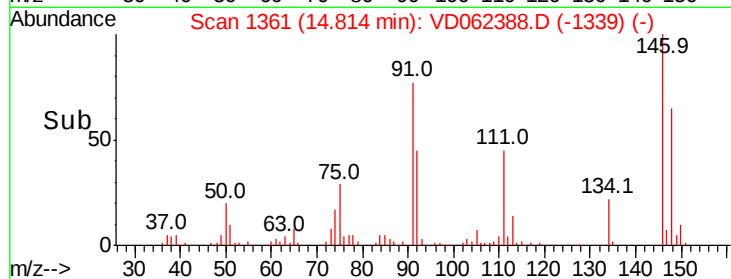
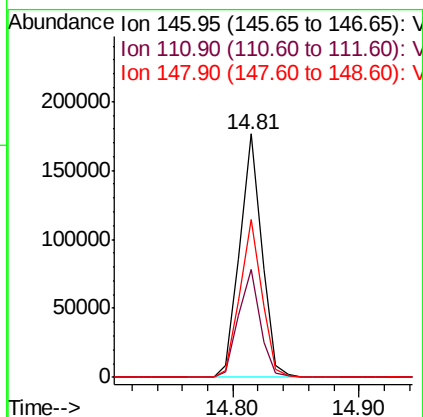
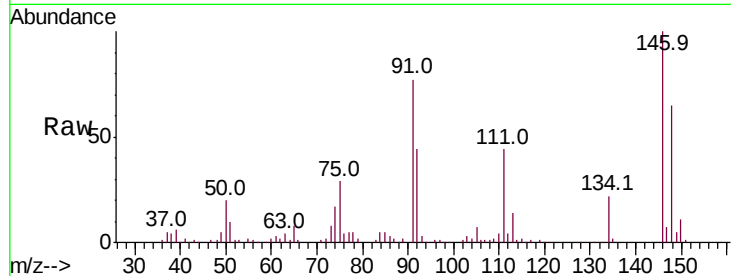




#91
 1,2-Dichlorobenzene
 Concen: 19.397 ug/l
 RT: 14.81 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

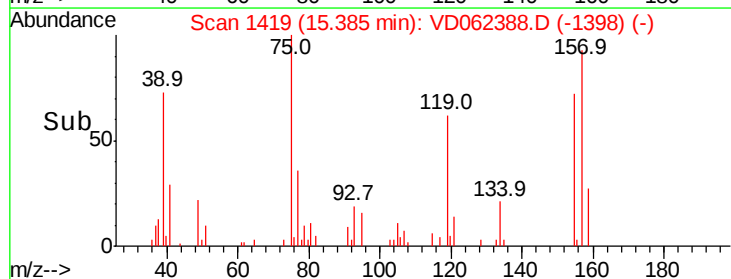
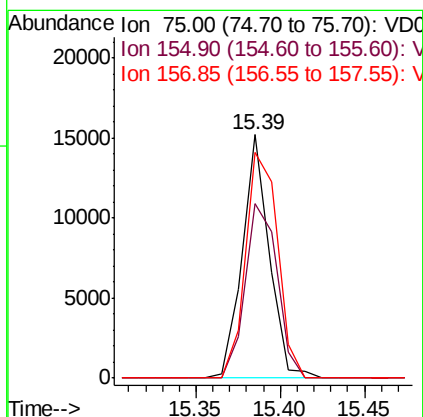
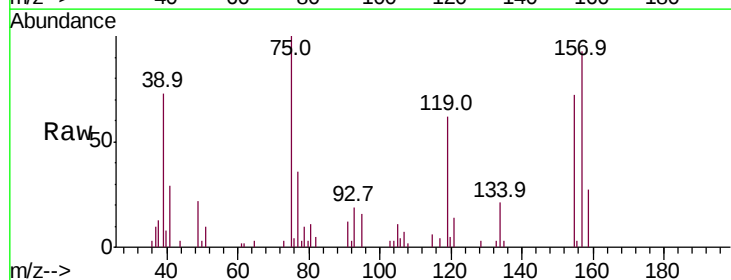
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBSD01

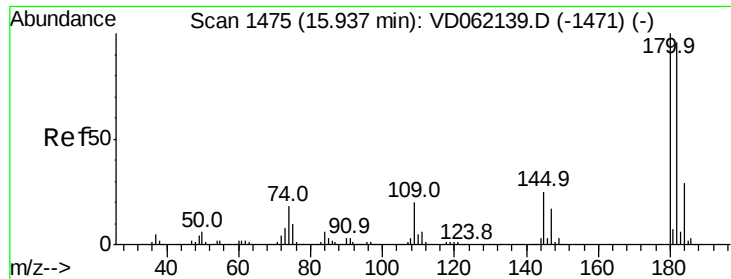
Tot Ion:146 Resp: 213238
 Ion Ratio Lower Upper
 146 100
 111 44.4 20.0 59.9
 148 65.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.789 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Tgt Ion: 75 Resp: 16864
 Ion Ratio Lower Upper
 75 100
 155 74.3 55.3 165.8
 157 92.7 67.8 203.2

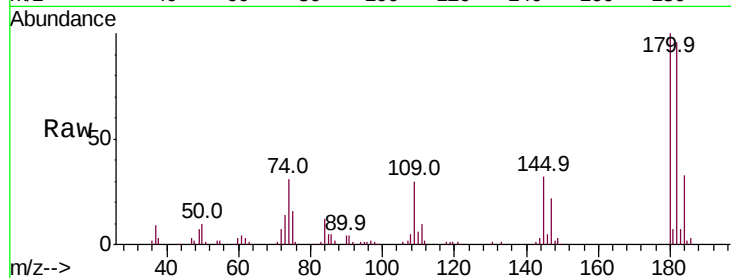




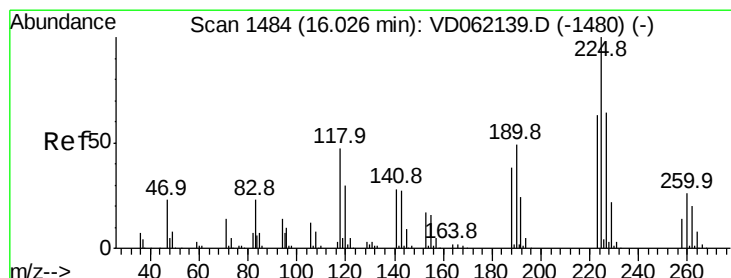
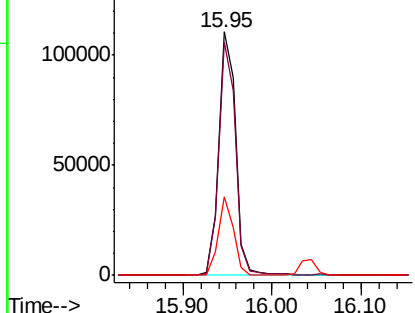
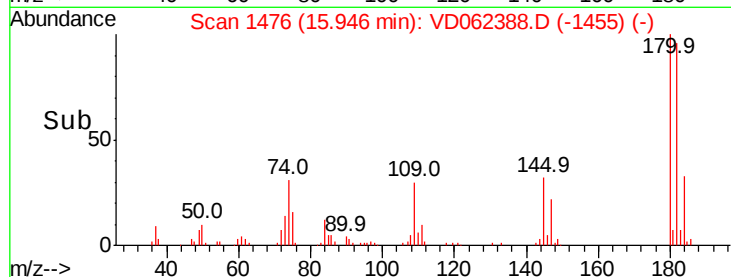
#93
 1,2,4-Trichlorobenzene
 Concen: 18.502 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	49.3	147.8
145	32.4	16.2	48.6

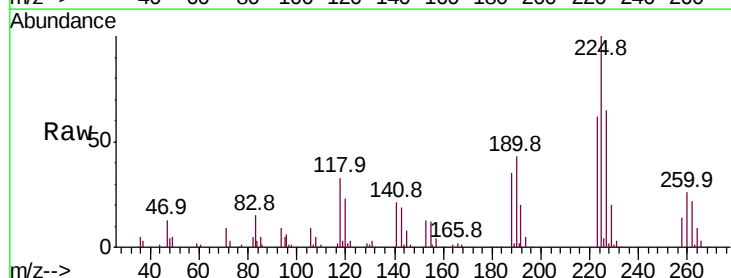


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

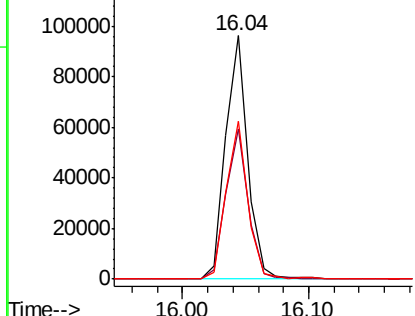
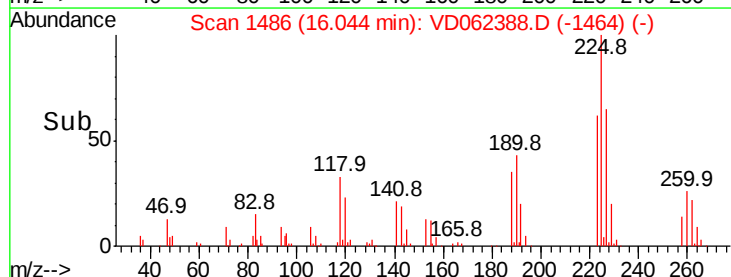


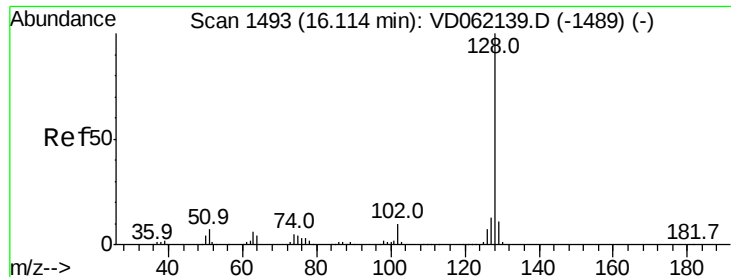
#94
 Hexachlorobutadiene
 Concen: 19.427 ug/l
 RT: 16.04 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062388.D
 Acq: 15 May 2019 15:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.6	92.0
227	64.8	32.0	96.2



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

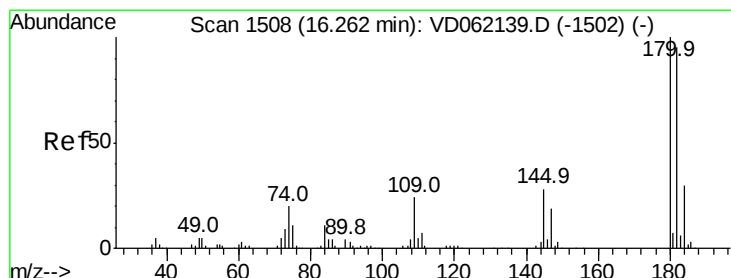
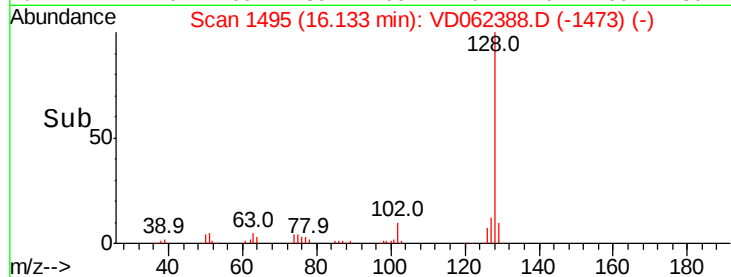
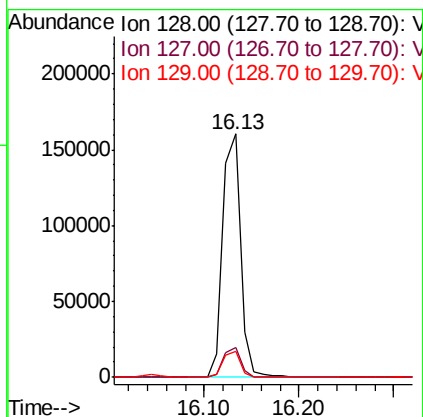
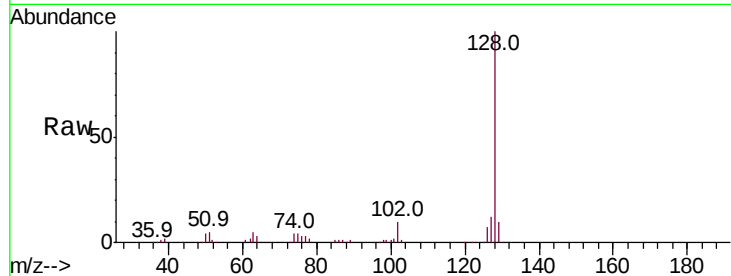




#95
Naphthalene
Concen: 18.920 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Instrument :
MSVOA_D
ClientSampleId :
VD0515SBSD01

Tot Ion:128 Resp: 211362
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 10.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 23.469 ug/l
RT: 16.28 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD062388.D
Acq: 15 May 2019 15:15

Tgt Ion:180 Resp: 118072
Ion Ratio Lower Upper
180 100
182 97.3 47.0 141.0
145 26.8 17.0 51.0

