

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
 Data File : VD062548.D
 Acq On : 30 May 2019 12:06
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: May 31 01:12:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 01:07:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	856339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1154024	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	937043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	525102	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	103466	10.29	ug/l	0.00
Spiked Amount			Recovery	=	20.58%	
35) Dibromofluoromethane	6.94	113	104993	9.85	ug/l	0.00
Spiked Amount			Recovery	=	19.70%	
50) Toluene-d8	10.43	98	242493	10.49	ug/l	0.00
Spiked Amount			Recovery	=	20.98%	
62) 4-Bromofluorobenzene	13.57	95	103684	10.01	ug/l	0.00
Spiked Amount			Recovery	=	20.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	99672	9.769	ug/l	87
3) Chloromethane	1.75	50	129238	11.107	ug/l	95
4) Vinyl Chloride	1.86	62	70660	9.011	ug/l	95
5) Bromomethane	2.17	94	18118	7.529	ug/l	95
6) Chloroethane	2.28	64	30608	8.185	ug/l	96
7) Trichlorofluoromethane	2.54	101	146080	8.917	ug/l	97
8) Diethyl Ether	2.88	74	18584	8.829	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.16	101	91239	9.415	ug/l	91
10) Methyl Iodide	3.32	142	67477	6.376	ug/l	98
11) Tert butyl alcohol	4.11	59	22504	48.706	ug/l	97
12) 1,1-Dichloroethene	3.14	96	62253	9.038	ug/l	89
13) Acrolein	3.04	56	9101	45.507	ug/l #	75
14) Allyl chloride	3.63	41	99999	9.274	ug/l	97
15) Acrylonitrile	4.22	53	48175	46.289	ug/l	94
16) Acetone	3.24	43	88435	42.663	ug/l	97
17) Carbon Disulfide	3.39	76	201233	9.194	ug/l	100
18) Methyl Acetate	3.65	43	33771	10.015	ug/l #	91
19) Methyl tert-butyl Ether	4.25	73	151218	9.013	ug/l	95
20) Methylene Chloride	3.83	84	71929	9.901	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	73855	9.458	ug/l	85
22) Diisopropyl ether	5.14	45	198262	9.133	ug/l	95
23) Vinyl Acetate	5.07	43	588614	44.556	ug/l #	95
24) 1,1-Dichloroethane	5.00	63	126159	8.896	ug/l	97
25) 2-Butanone	6.09	43	86099	45.198	ug/l	97
26) 2,2-Dichloropropane	6.04	77	144911	9.411	ug/l	92
27) cis-1,2-Dichloroethene	6.05	96	74135	9.217	ug/l	85
28) Bromochloromethane	6.46	49	49650	10.556	ug/l	95
29) Tetrahydrofuran	6.49	42	36604	41.795	ug/l	98
30) Chloroform	6.67	83	152472	8.935	ug/l	99
31) Cyclohexane	6.97	56	87010	9.261	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	155674	8.934	ug/l #	87
36) 1,1-Dichloropropene	7.16	75	111239	9.504	ug/l	89
37) Ethyl Acetate	6.20	43	49396	9.451	ug/l #	87
38) Carbon Tetrachloride	7.13	117	163464	9.247	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	83156	8.481	ug/l	89
40) Benzene	7.47	78	218115	9.487	ug/l	96
41) Methacrylonitrile	6.46	41	54343	9.276	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	117457	9.151	ug/l	98
43) Isopropyl Acetate	9.25	43	52952	8.545	ug/l #	99
44) Trichloroethene	8.56	130	82530	8.968	ug/l	94
45) 1,2-Dichloropropane	8.95	63	49526	8.770	ug/l	97
46) Dibromomethane	9.08	93	41444	8.798	ug/l	90
47) Bromodichloromethane	9.39	83	118481	9.055	ug/l	95
48) Methyl methacrylate	9.14	41	37464	8.799	ug/l #	88
49) 1,4-Dioxane	9.09	88	5512	159.464	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	195107	44.507	ug/l	100
52) Toluene	10.52	92	140150	8.960	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	101569	9.080	ug/l	91
54) cis-1,3-Dichloropropene	10.05	75	102173	8.836	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	47336	9.101	ug/l #	86
56) Ethyl methacrylate	11.06	69	48969	8.902	ug/l	94
57) 1,3-Dichloropropane	11.42	76	77742	9.869	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	149654	52.488	ug/l	97
59) 2-Hexanone	11.54	43	138190	45.118	ug/l	96
60) Dibromochloromethane	11.70	129	89544	8.875	ug/l	98
61) 1,2-Dibromoethane	11.81	107	52487	8.528	ug/l	93
64) Tetrachloroethene	11.27	164	75205	8.868	ug/l	93
65) Chlorobenzene	12.40	112	174977	9.235	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	84112	9.499	ug/l	97
67) Ethyl Benzene	12.53	91	320532	9.389	ug/l	97
68) m/p-Xylenes	12.67	106	215484	18.585	ug/l	94
69) o-Xylene	13.05	106	102240	9.100	ug/l	85
70) Styrene	13.08	104	181955	9.580	ug/l	98
71) Bromoform	13.24	173	54920	8.908	ug/l #	87
73) Isopropylbenzene	13.41	105	330384	9.463	ug/l	94
74) N-amyl acetate	13.27	43	82106	9.154	ug/l	93
75) 1,1,2,2-Tetrachloroethane	13.70	83	52042	9.096	ug/l	90
76) 1,2,3-Trichloropropane	13.74	75	58413	8.810	ug/l	96
77) Bromobenzene	13.67	156	84069	8.602	ug/l	84
78) n-propylbenzene	13.78	91	362925	8.920	ug/l	96
79) 2-Chlorotoluene	13.84	91	230483	9.676	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	267154	8.822	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	16590	9.249	ug/l #	94
82) 4-Chlorotoluene	13.95	91	262636	9.169	ug/l	89
83) tert-Butylbenzene	14.20	119	306188	9.190	ug/l	97
84) 1,2,4-Trimethylbenzene	14.25	105	277918	9.179	ug/l	99
85) sec-Butylbenzene	14.37	105	326664	9.194	ug/l	98
86) p-Isopropyltoluene	14.50	119	309674	9.267	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	158074	9.265	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	159906	9.557	ug/l	98
89) n-Butylbenzene	14.81	91	277002	9.110	ug/l	96
90) Hexachloroethane	15.01	117	81769	9.156	ug/l	81
91) 1,2-Dichlorobenzene	14.82	146	135863	9.348	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	9736	8.386	ug/l	83

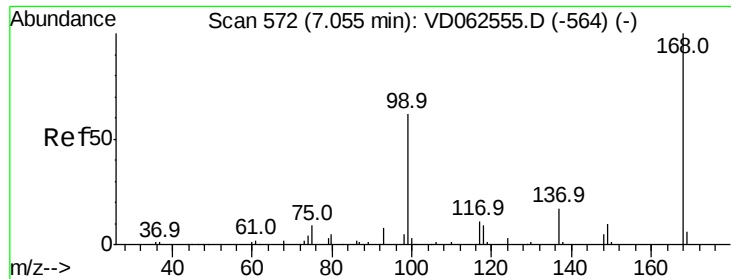
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD053019\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	104071	9.273	ug/l	89
94) Hexachlorobutadiene	16.05	225	69933	8.495	ug/l	96
95) Naphthalene	16.13	128	141856	8.954	ug/l #	97
96) 1,2,3-Trichlorobenzene	16.27	180	74655	8.822	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

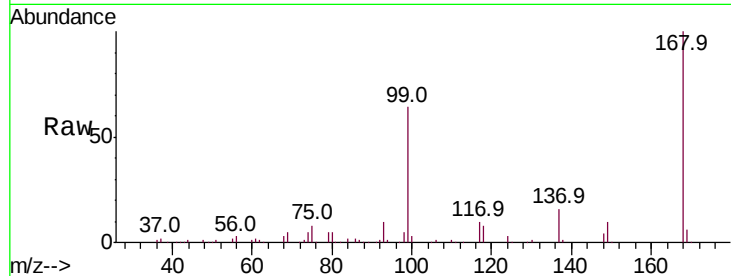
VSTDIC010

Tot Ion:168 Resp: 856339

Ion Ratio Lower Upper

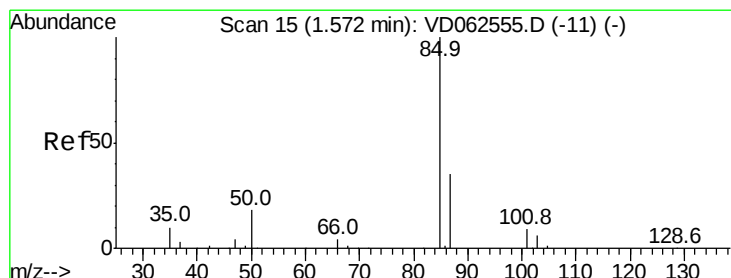
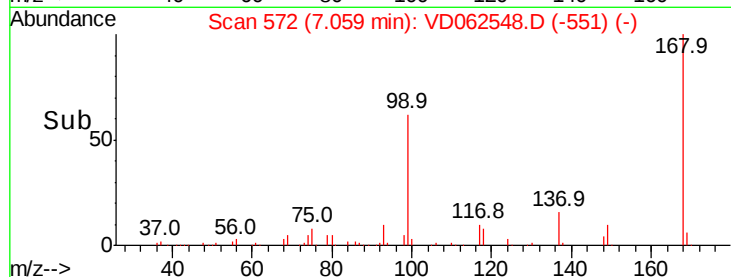
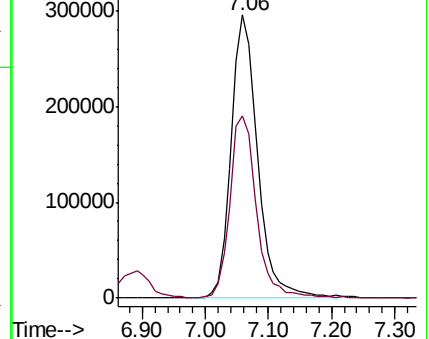
168 100

99 64.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 9.769 ug/l

RT: 1.59 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062548.D

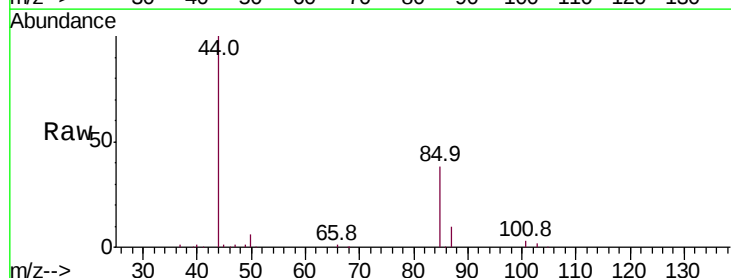
Acq: 30 May 2019 12:06

Tgt Ion: 85 Resp: 99672

Ion Ratio Lower Upper

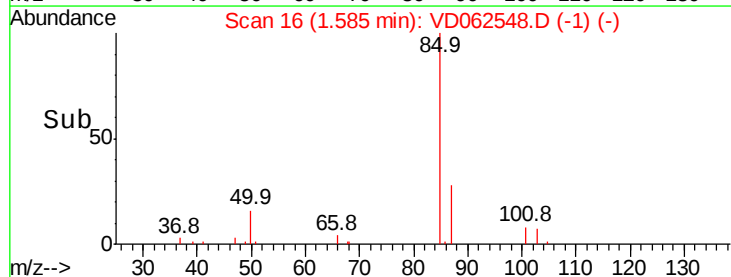
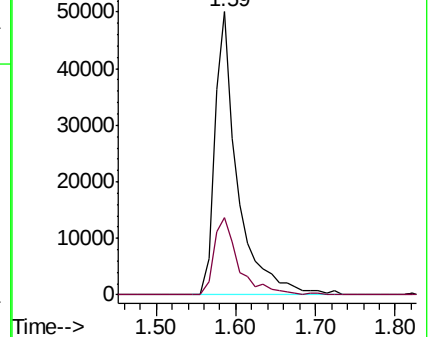
85 100

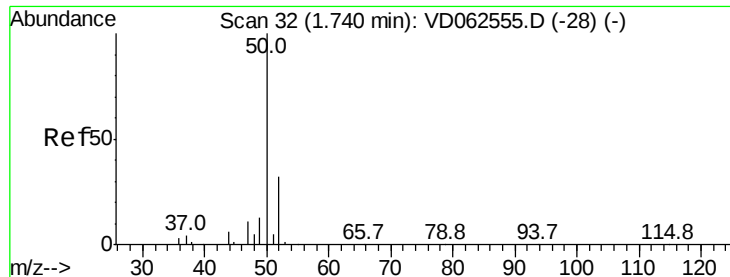
87 27.5 17.5 52.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 11.107 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

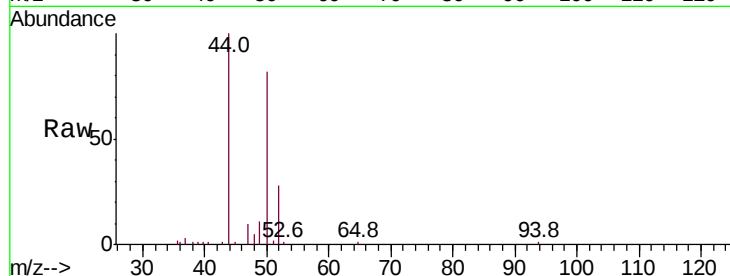
VSTDIC010

Tot Ion: 50 Resp: 129238

Ion Ratio Lower Upper

50 100

52 34.3 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

50000

40000

30000

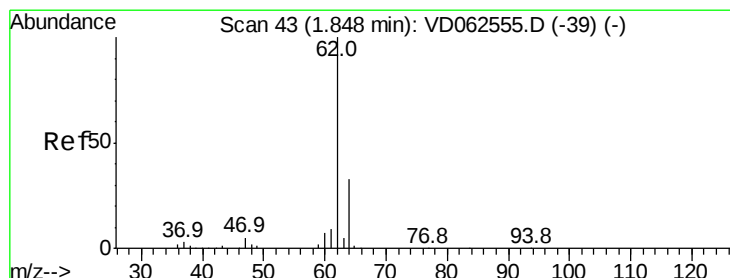
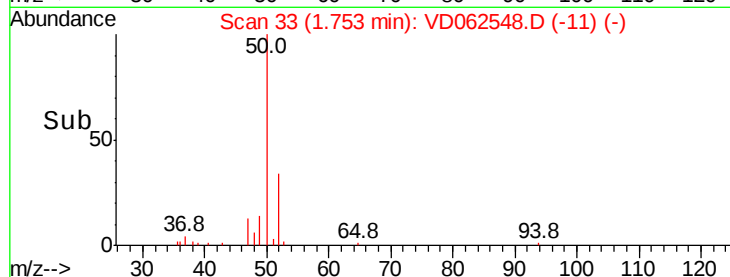
20000

10000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 9.011 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD062548.D

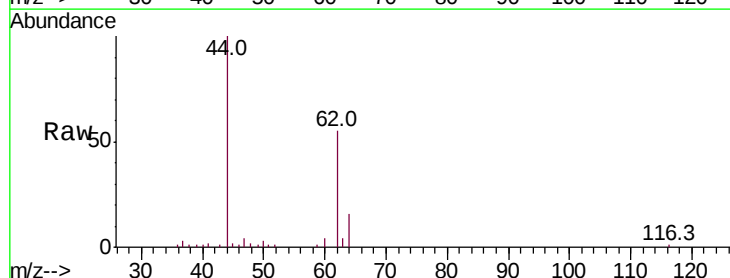
Acq: 30 May 2019 12:06

Tgt Ion: 62 Resp: 70660

Ion Ratio Lower Upper

62 100

64 30.0 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

40000

30000

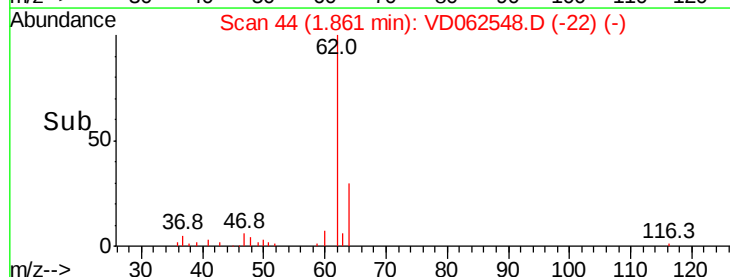
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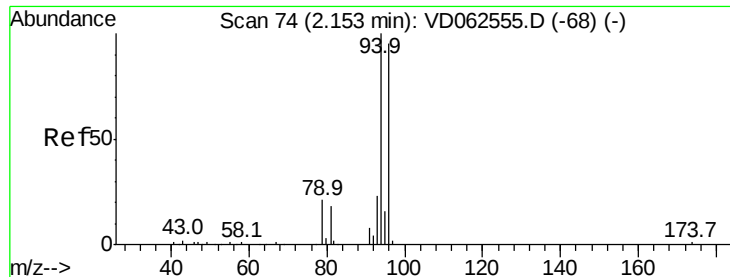
10000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 7.529 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

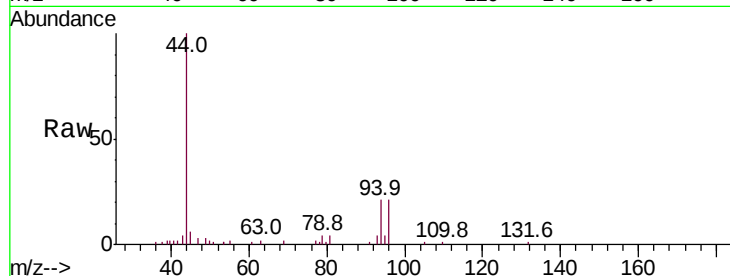
Tot Ion: 94 Resp: 18118

Ion Ratio Lower Upper

94 100

96 99.6 76.2 114.4

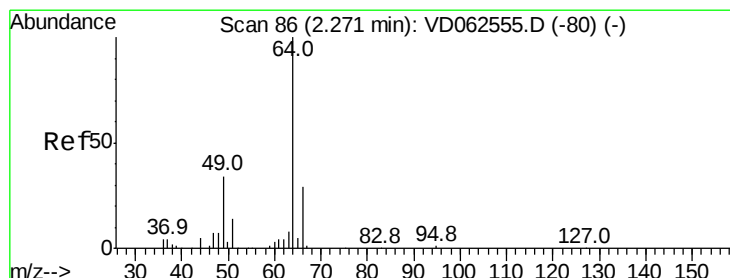
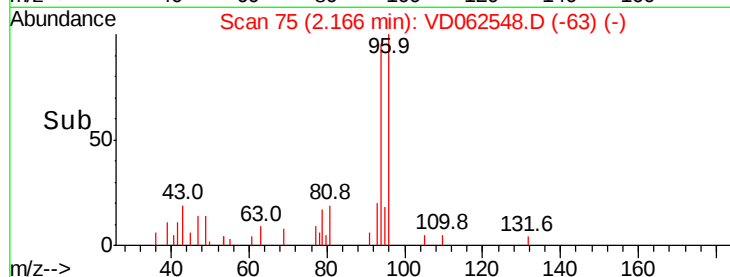
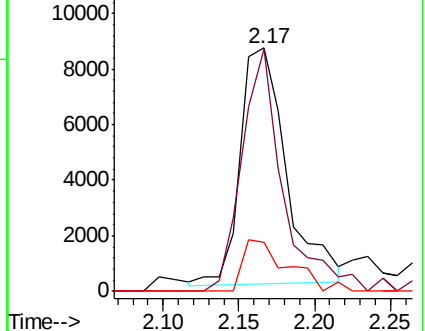
93 20.3 18.4 27.6



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: 8.185 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.01 min

Lab File: VD062548.D

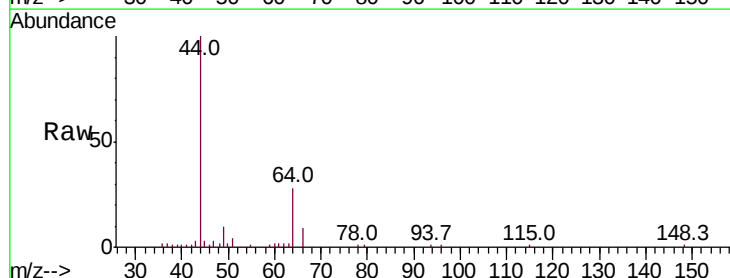
Acq: 30 May 2019 12:06

Tgt Ion: 64 Resp: 30608

Ion Ratio Lower Upper

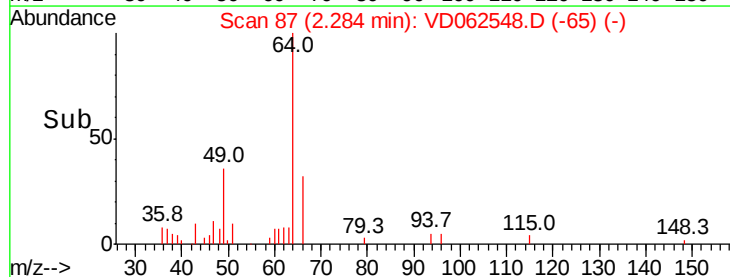
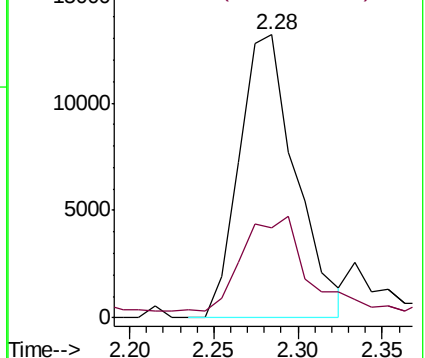
64 100

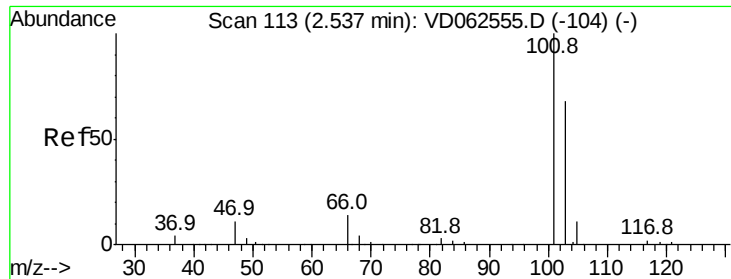
66 31.7 23.4 35.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



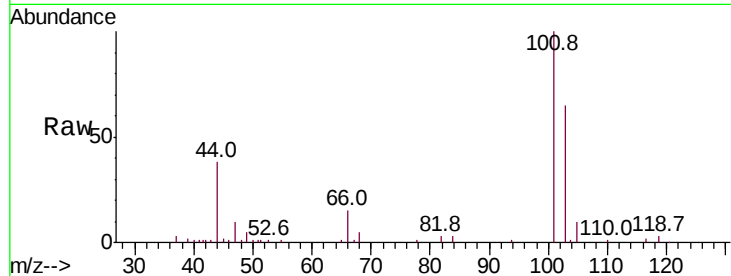


#7

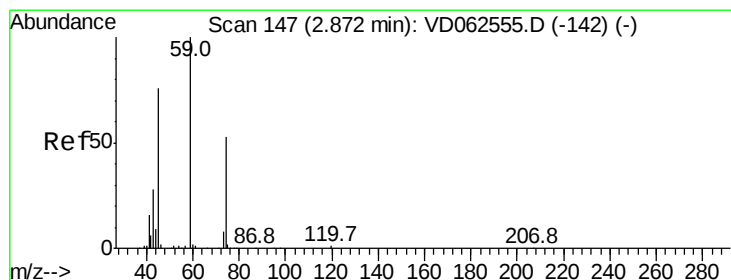
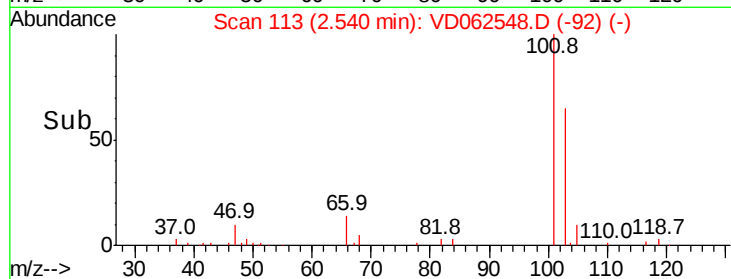
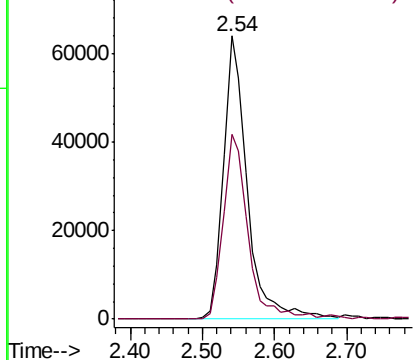
Trichlorofluoromethane
 Concen: 8.917 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Instrument :
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 VSTDIC010

Tot Ion:101 Resp: 146080
 Ion Ratio Lower Upper
 101 100
 103 65.3 54.3 81.5



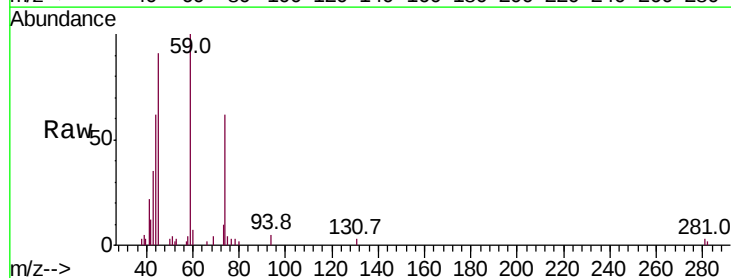
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



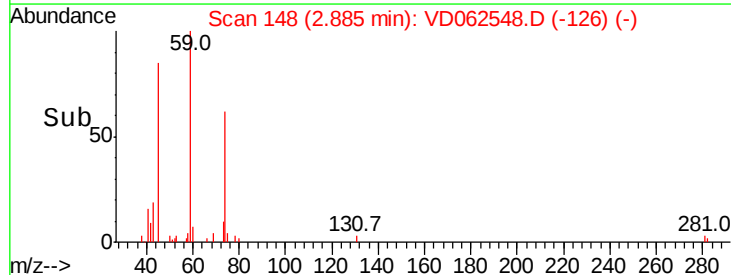
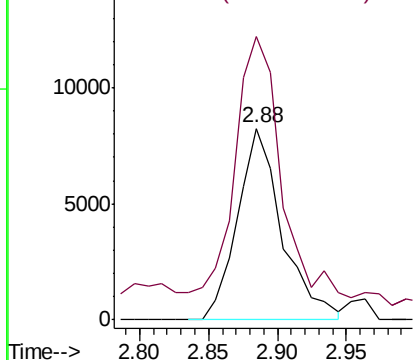
#8

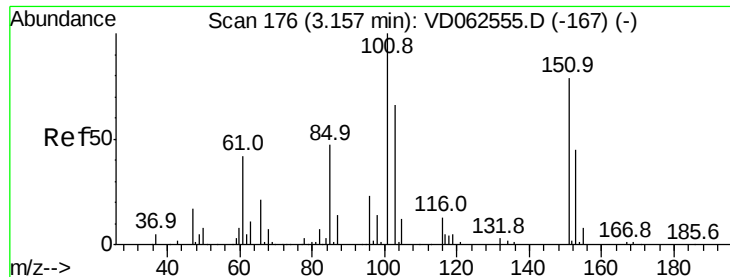
Diethyl Ether
 Concen: 8.829 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Tgt Ion: 74 Resp: 18584
 Ion Ratio Lower Upper
 74 100
 45 147.7 71.9 215.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.415 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

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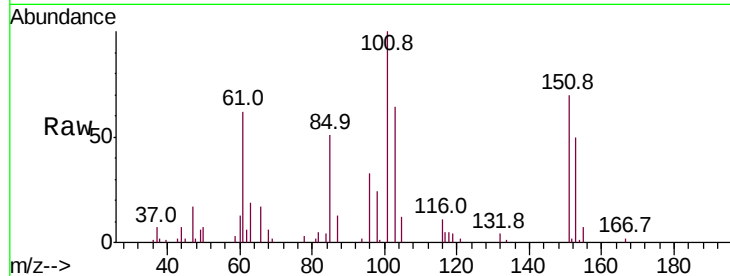
Tot Ion:101 Resp: 91239

Ion Ratio Lower Upper

101 100

85 51.3 37.6 56.4

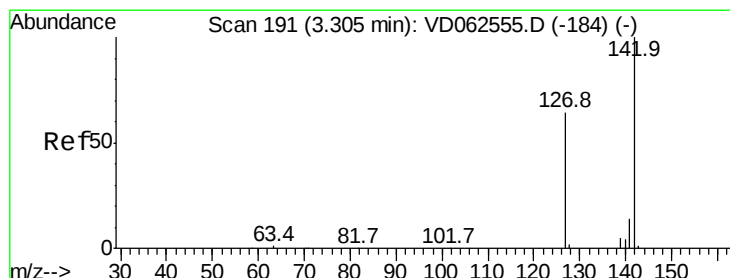
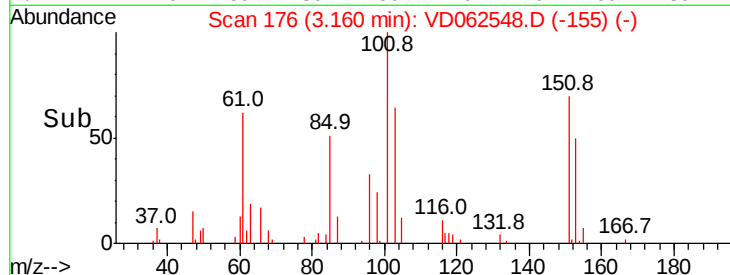
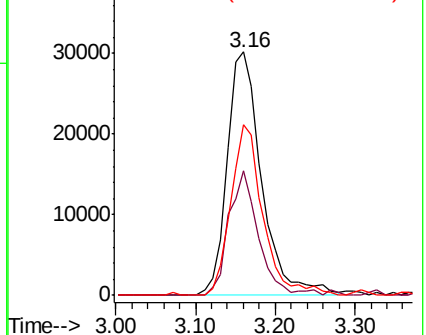
151 70.2 63.0 94.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 6.376 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

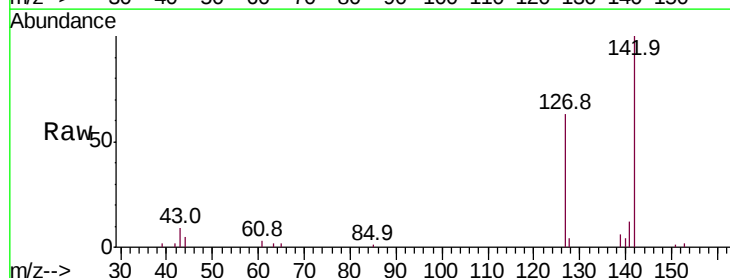
Tgt Ion:142 Resp: 67477

Ion Ratio Lower Upper

142 100

127 63.1 51.2 76.8

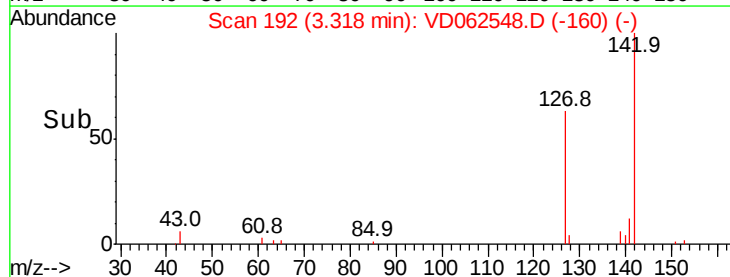
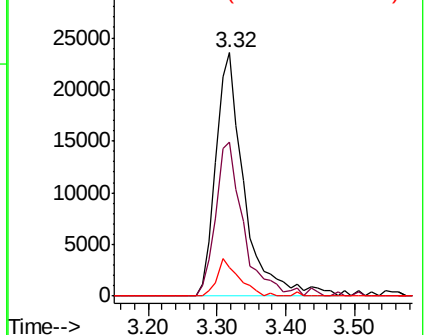
141 12.0 11.0 16.4

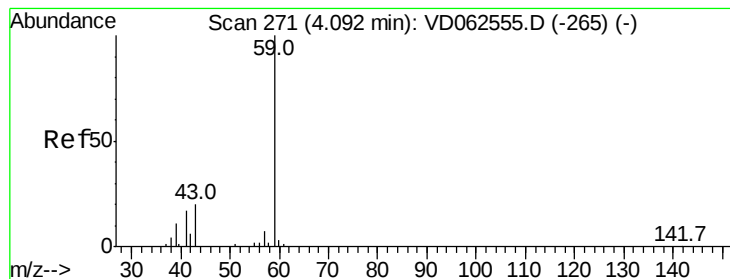


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



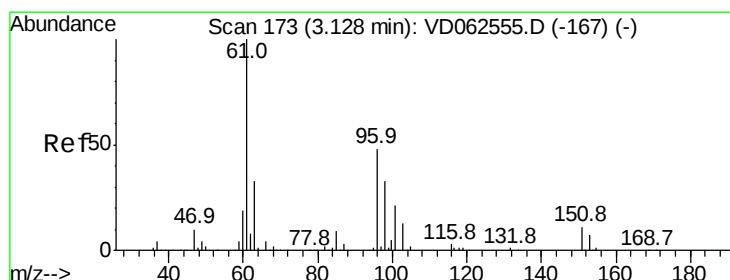
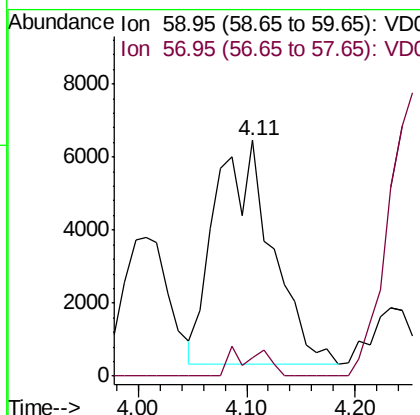
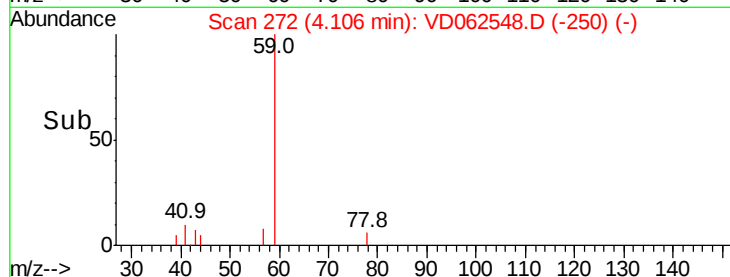
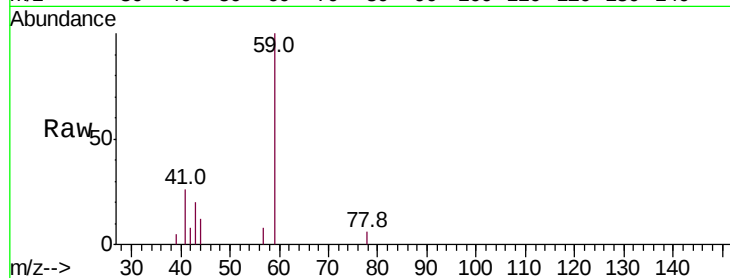


#11

Tert butyl alcohol
 Concen: 48.706 ug/l
 RT: 4.11 min Scan# 272
 Delta R.T. 0.01 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

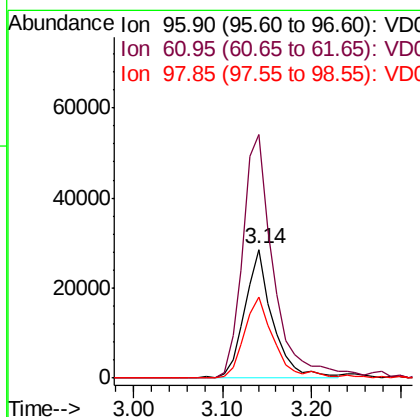
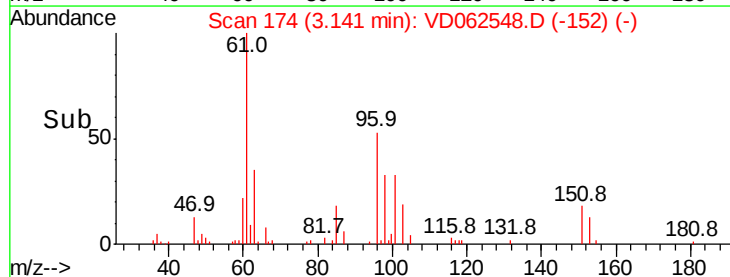
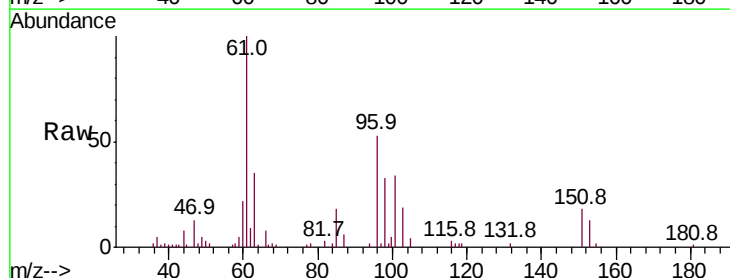
Tot Ion: 59 Resp: 22504
 Ion Ratio Lower Upper
 59 100
 57 7.8 5.4 8.0

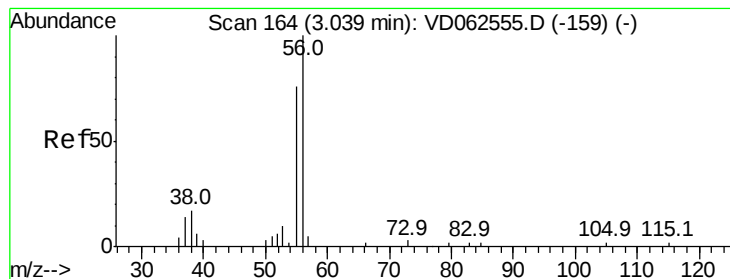


#12

1,1-Dichloroethene
 Concen: 9.038 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.01 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Tgt Ion: 96 Resp: 62253
 Ion Ratio Lower Upper
 96 100
 61 189.4 166.6 250.0
 98 62.7 54.4 81.6





#13

Acrolein

Concen: 45.507 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

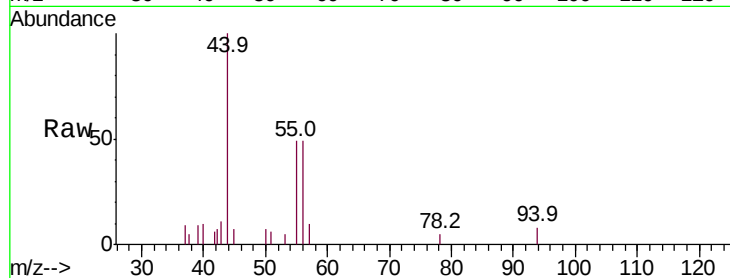
VSTDIC010

Tot Ion: 56 Resp: 9101

Ion Ratio Lower Upper

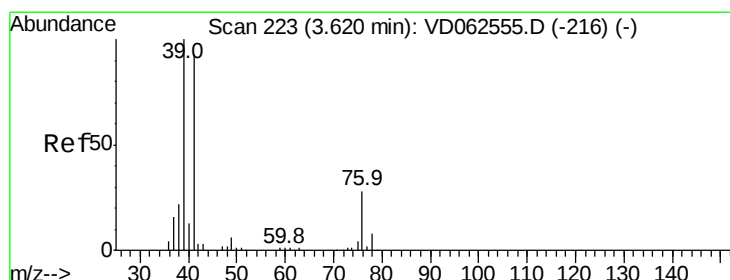
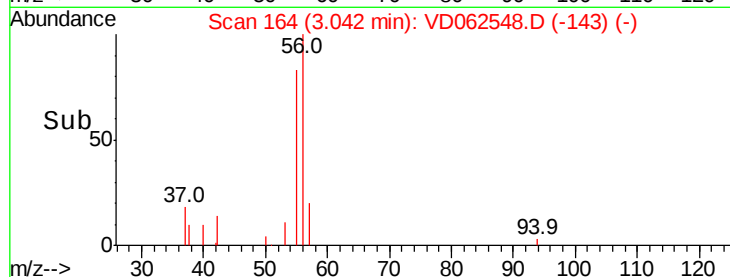
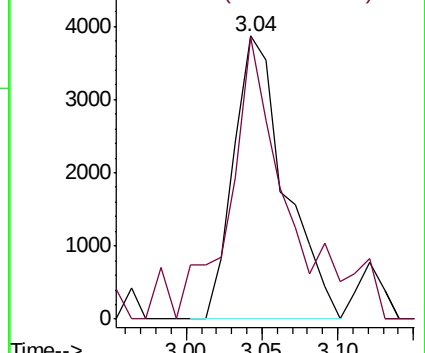
56 100

55 99.8 62.6 93.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 9.274 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

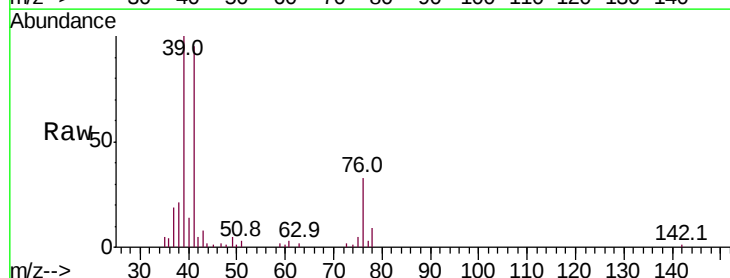
Tgt Ion: 41 Resp: 99999

Ion Ratio Lower Upper

41 100

39 105.6 86.3 129.5

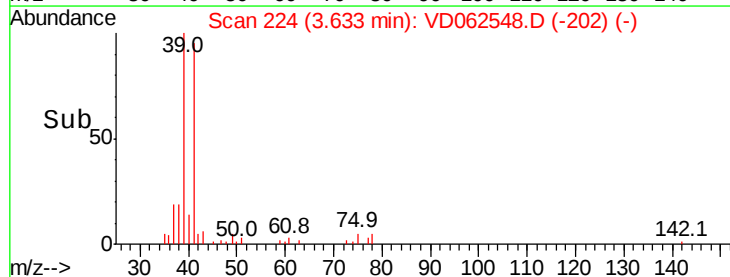
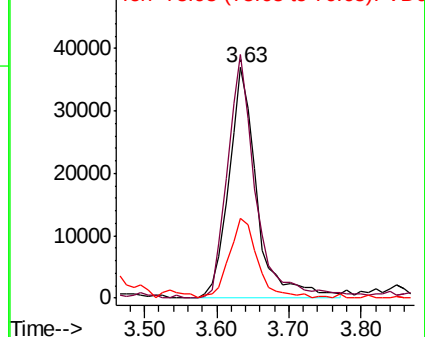
76 34.5 25.5 38.3

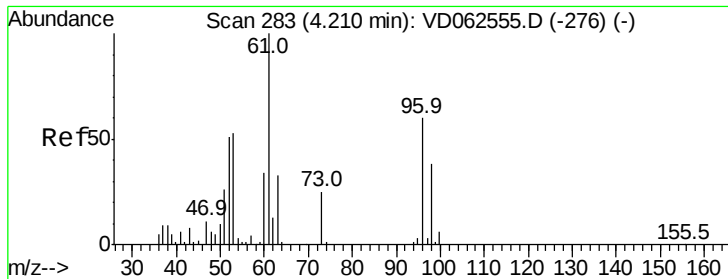


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 46.289 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

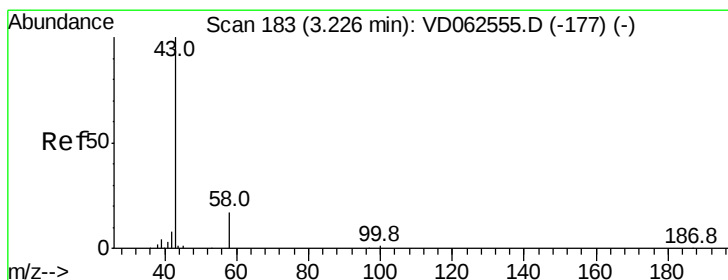
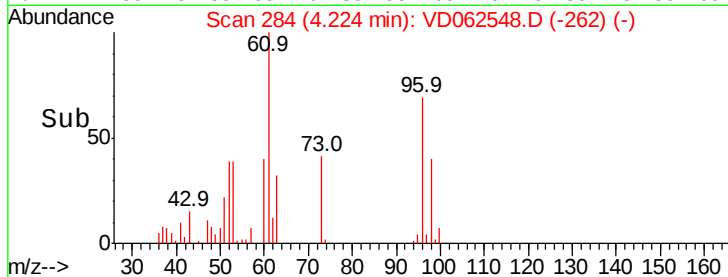
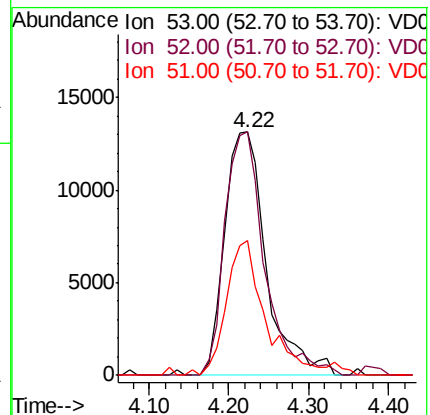
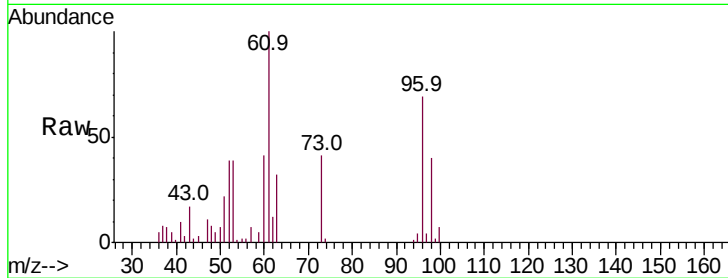
Tot Ion: 53 Resp: 48175

Ion Ratio Lower Upper

53 100

52 99.9 76.2 114.2

51 55.3 40.2 60.4



#16

Acetone

Concen: 42.663 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062548.D

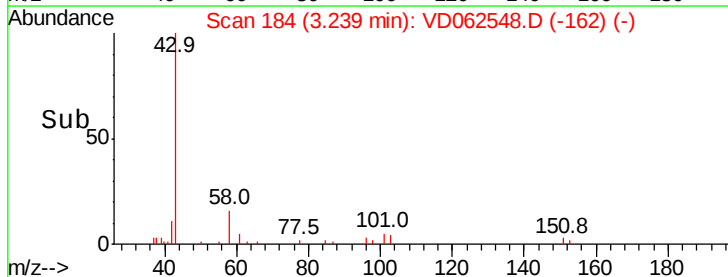
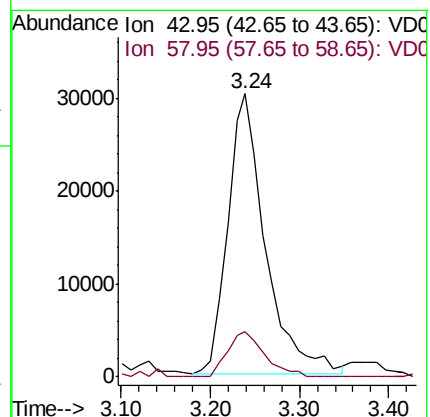
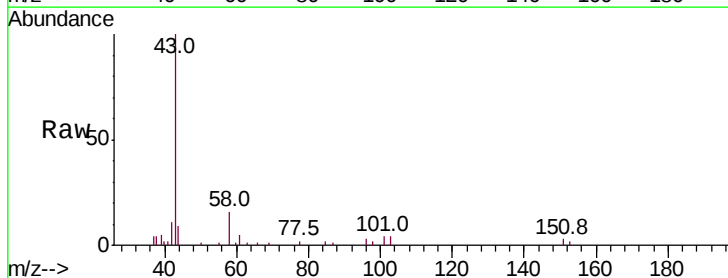
Acq: 30 May 2019 12:06

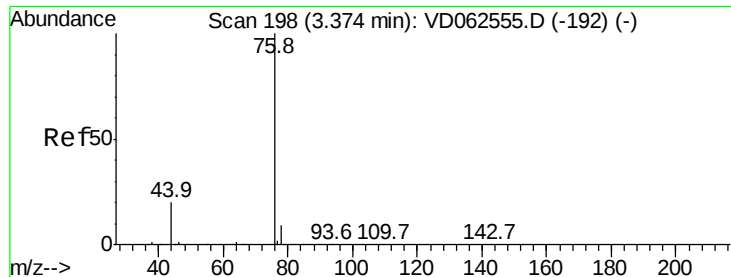
Tgt Ion: 43 Resp: 88435

Ion Ratio Lower Upper

43 100

58 15.9 13.8 20.8

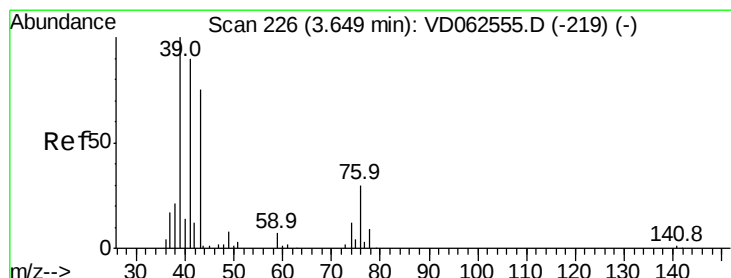
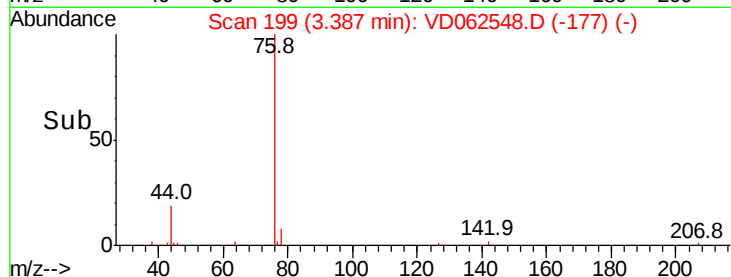
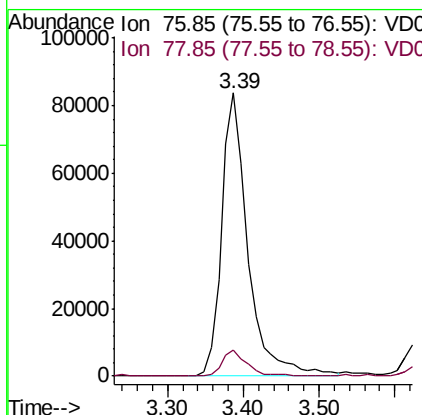
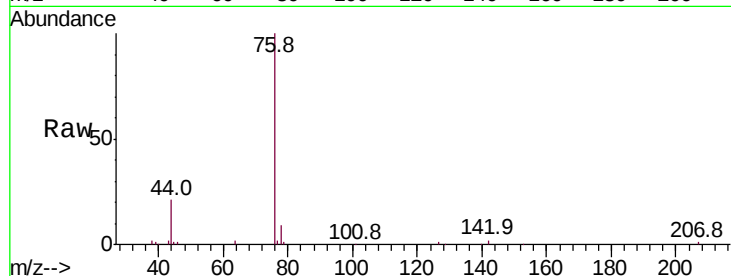




#17
Carbon Disulfide
Concen: 9.194 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

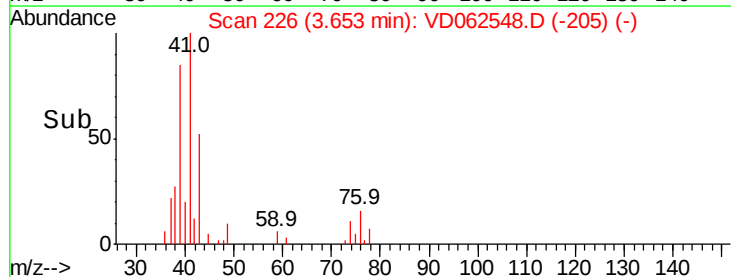
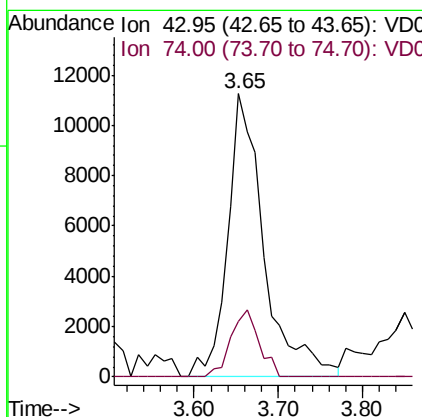
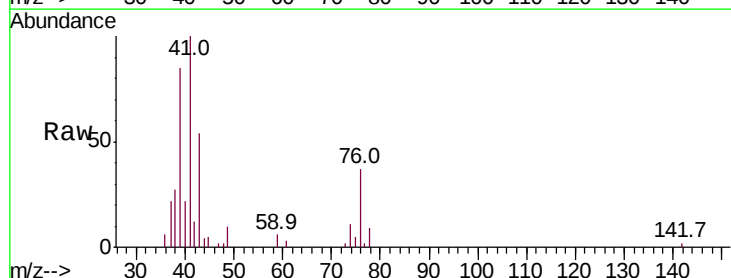
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

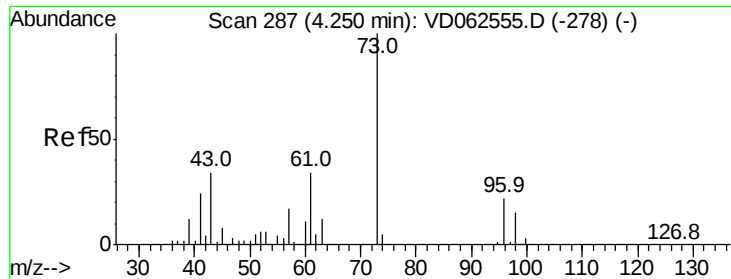
Tot Ion: 76 Resp: 201233
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 10.015 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Tgt Ion: 43 Resp: 33771
Ion Ratio Lower Upper
43 100
74 19.4 12.5 18.7#



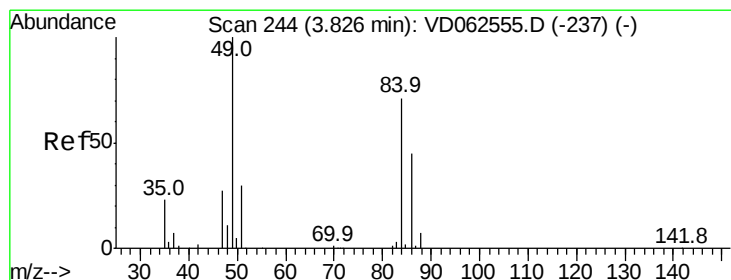
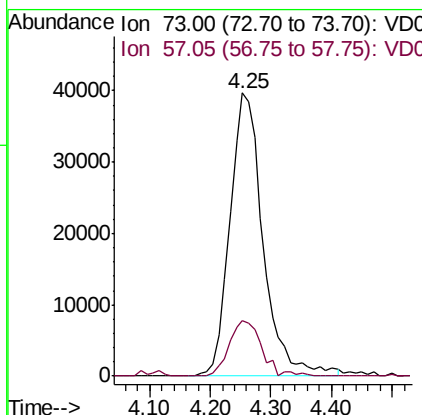
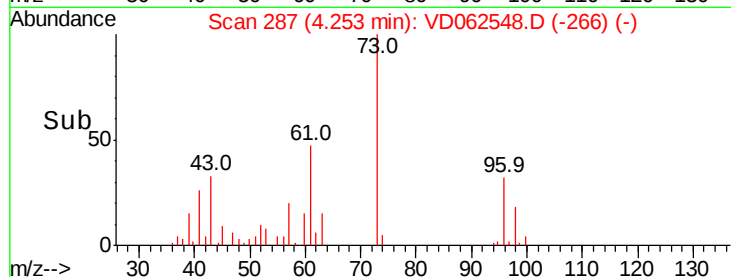
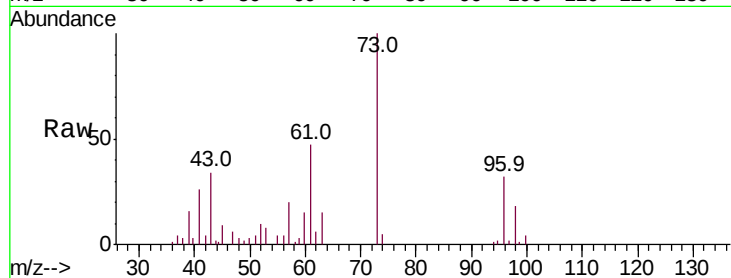


#19

Methyl tert-butyl Ether
 Concen: 9.013 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

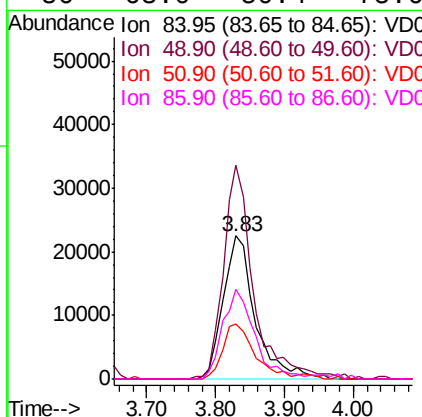
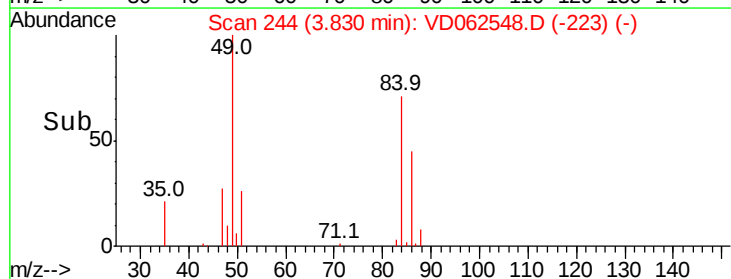
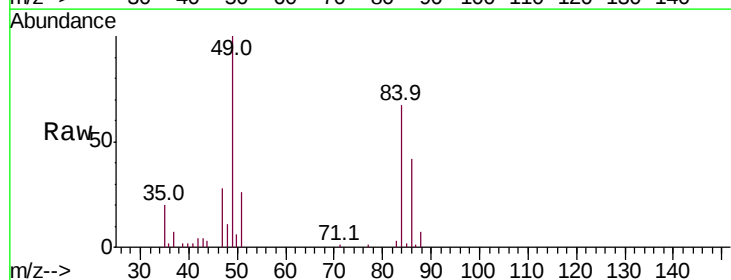
Tot Ion: 73 Resp: 151218
 Ion Ratio Lower Upper
 73 100
 57 19.5 13.8 20.8

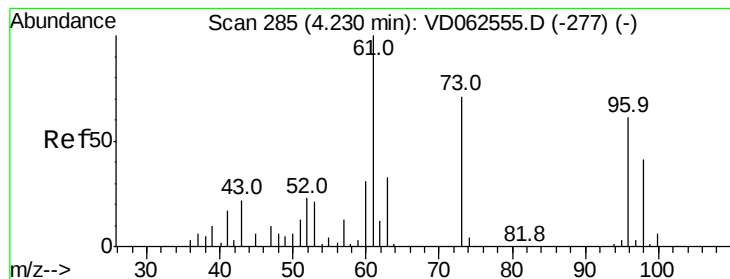


#20

Methylene Chloride
 Concen: 9.901 ug/l
 RT: 3.83 min Scan# 244
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Tgt Ion: 84 Resp: 71929
 Ion Ratio Lower Upper
 84 100
 49 149.3 112.3 168.5
 51 38.9 33.6 50.4
 86 63.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 9.458 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

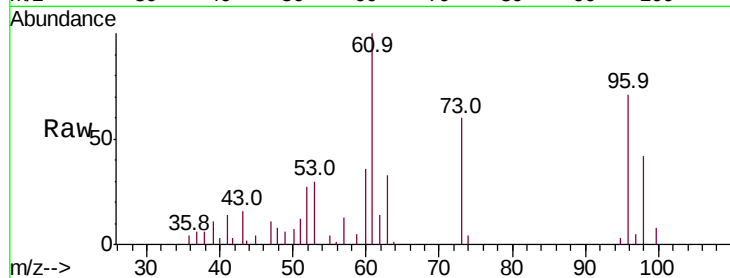
Tot Ion: 96 Resp: 73855

Ion Ratio Lower Upper

96 100

61 140.8 131.1 196.7

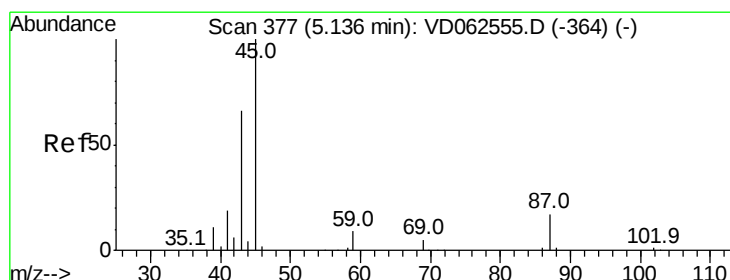
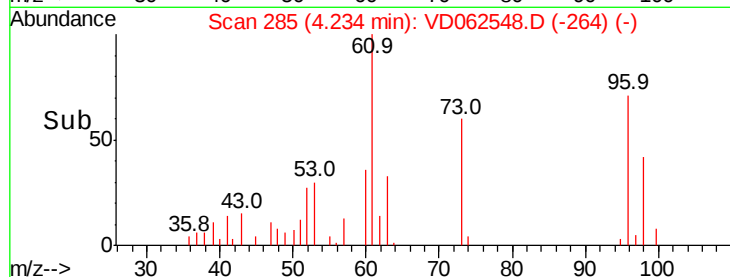
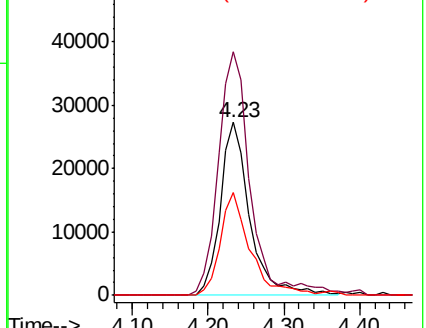
98 59.3 54.2 81.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 9.133 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Tgt Ion: 45 Resp: 198262

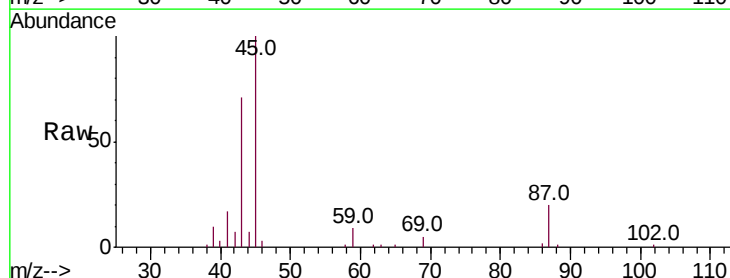
Ion Ratio Lower Upper

45 100

43 71.1 53.6 80.4

87 20.1 14.2 21.4

59 8.9 7.3 10.9

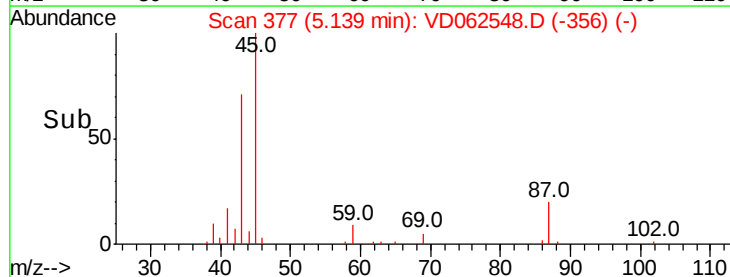
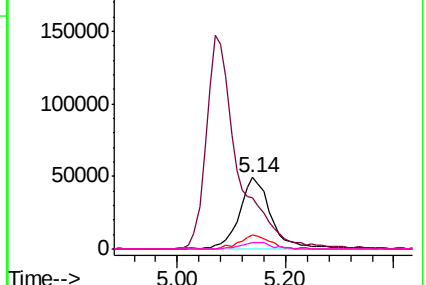


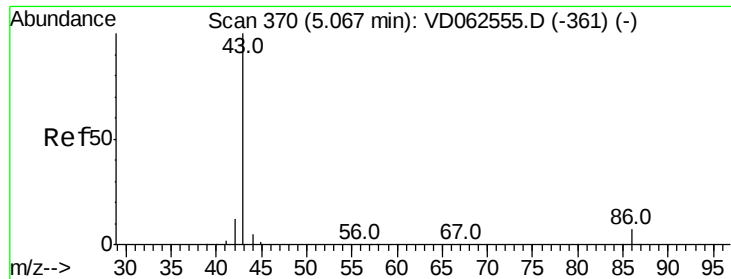
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 44.556 ug/l

RT: 5.07 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

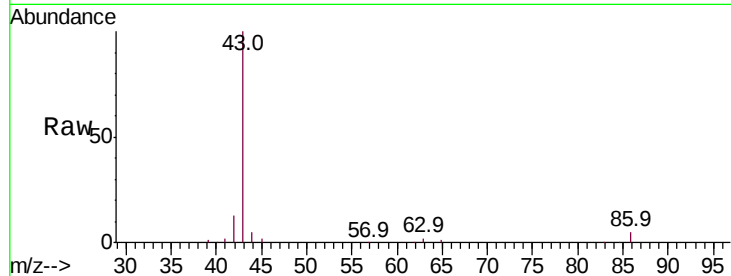
VSTDIC010

Tot Ion: 43 Resp: 588614

Ion Ratio Lower Upper

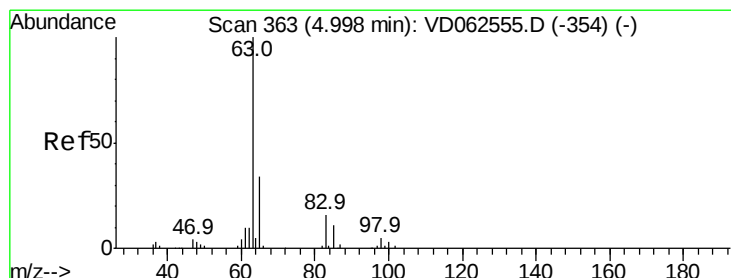
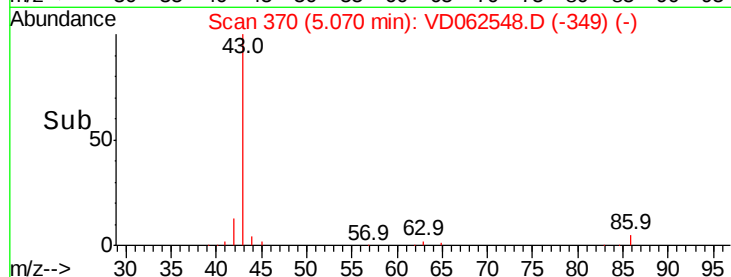
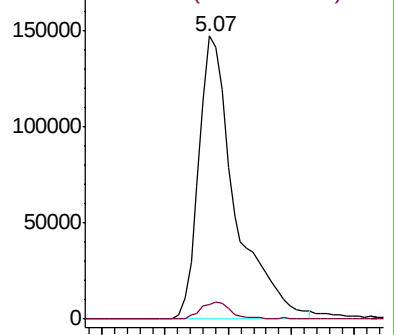
43 100

86 5.3 5.5 8.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 8.896 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

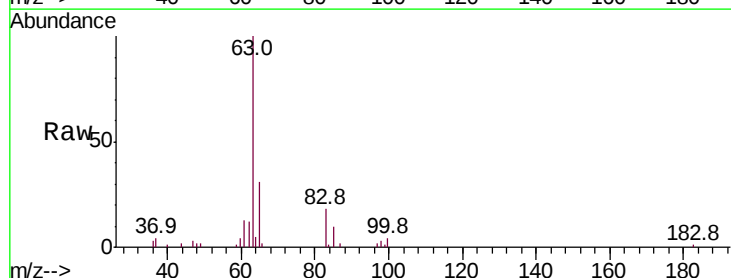
Tgt Ion: 63 Resp: 126159

Ion Ratio Lower Upper

63 100

98 3.4 2.5 7.5

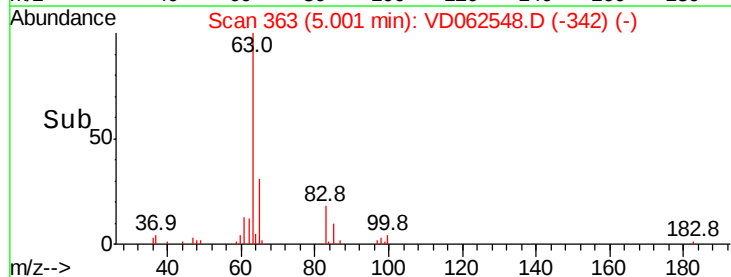
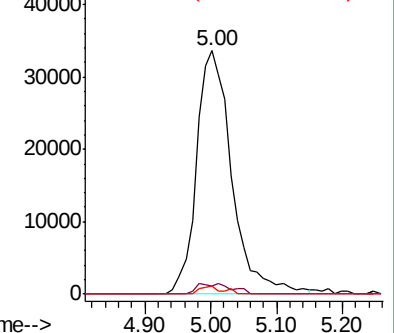
100 3.5 1.6 4.7

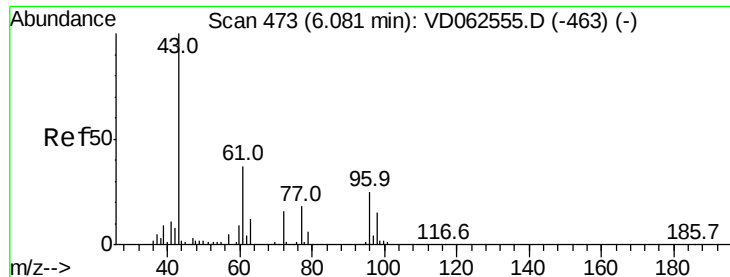


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 45.198 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

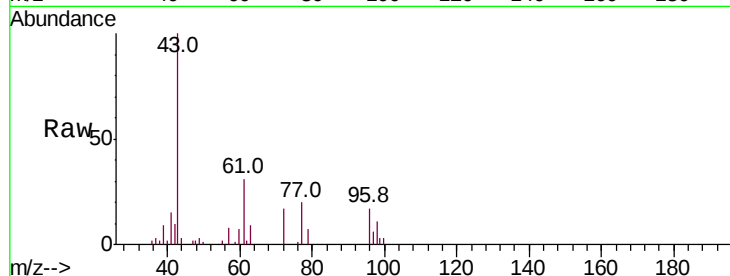
VSTDIC010

Tot Ion: 43 Resp: 86099

Ion Ratio Lower Upper

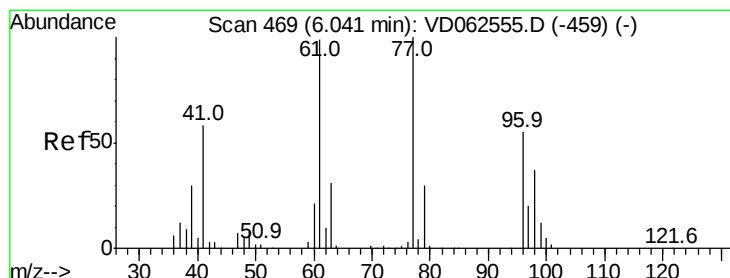
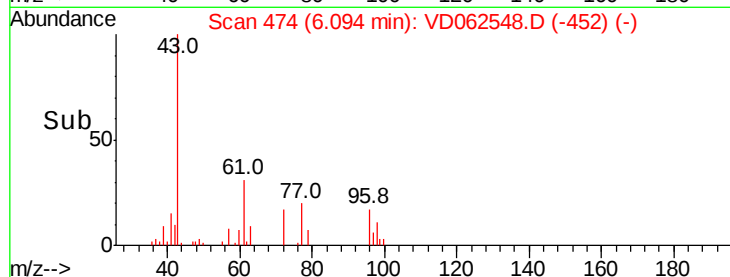
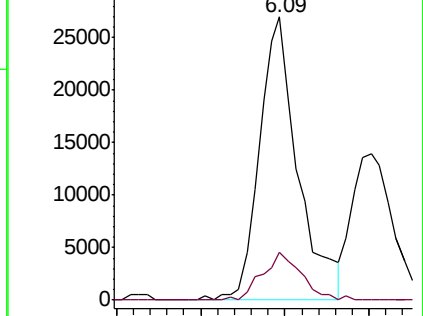
43 100

72 17.0 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 9.411 ug/l

RT: 6.04 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD062548.D

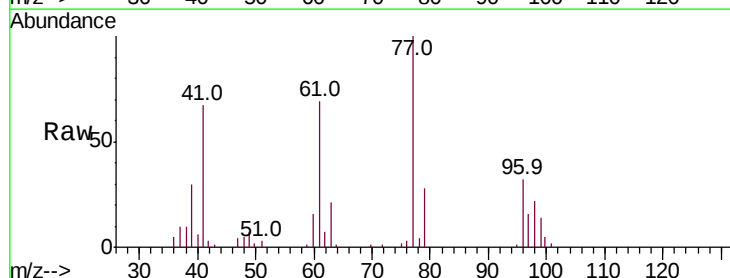
Acq: 30 May 2019 12:06

Tgt Ion: 77 Resp: 144911

Ion Ratio Lower Upper

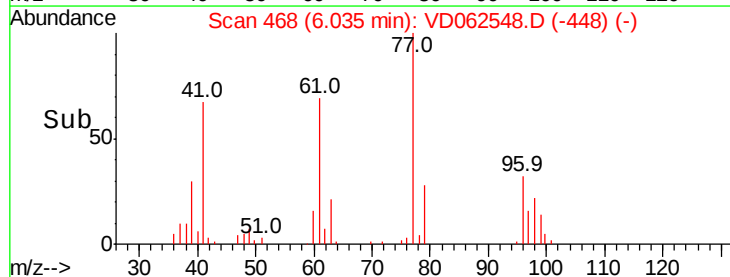
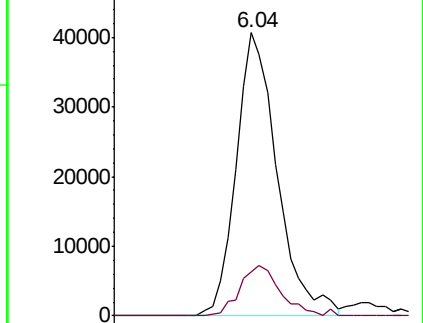
77 100

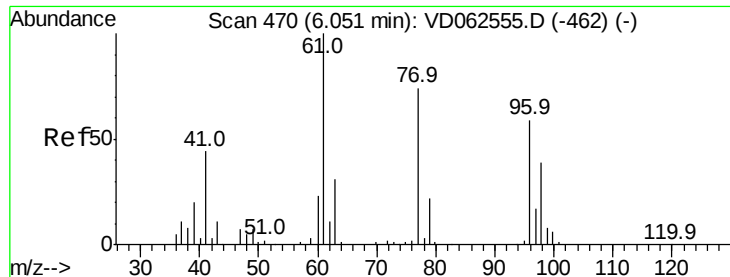
97 15.7 9.8 29.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



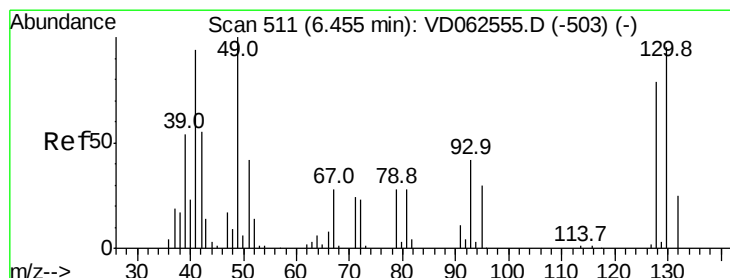
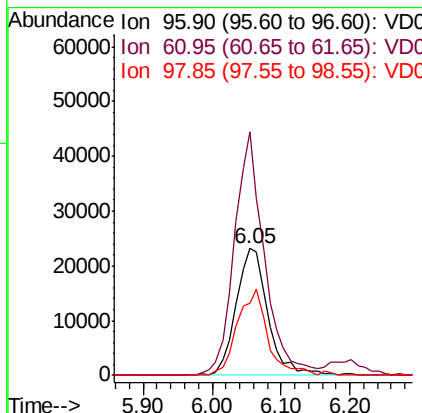
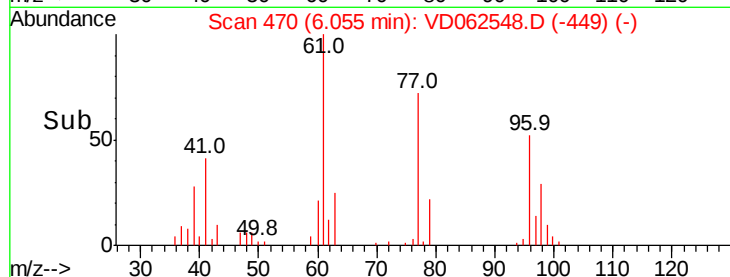
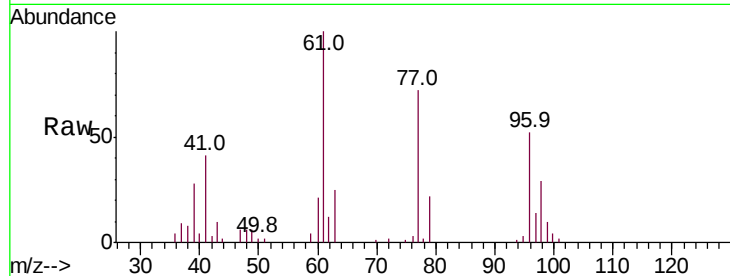


#27

cis-1,2-Dichloroethene
Concen: 9.217 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

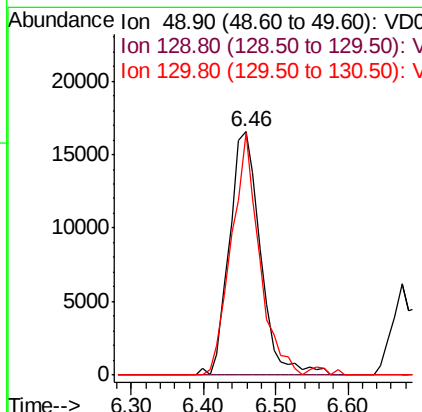
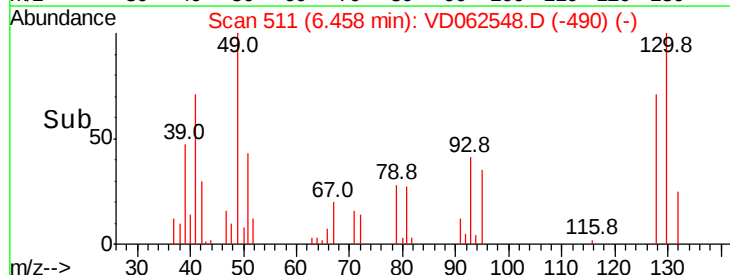
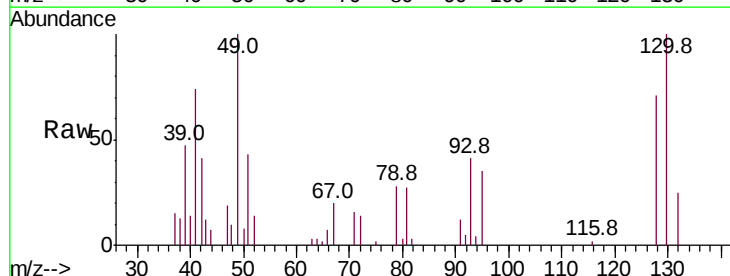
Tot Ion: 96 Resp: 74135
Ion Ratio Lower Upper
96 100
61 192.2 0.0 342.4
98 56.6 0.0 134.6

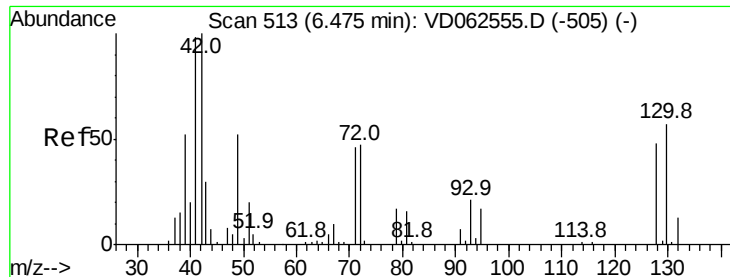


#28

Bromochloromethane
Concen: 10.556 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Tgt Ion: 49 Resp: 49650
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 99.7 75.8 113.8





#29

Tetrahydrofuran

Concen: 41.795 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

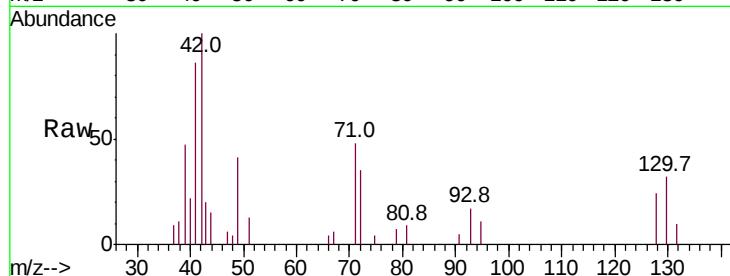
Tot Ion: 42 Resp: 36604

Ion Ratio Lower Upper

42 100

72 42.5 34.5 51.7

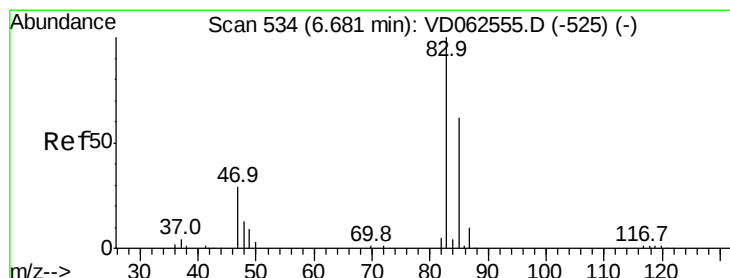
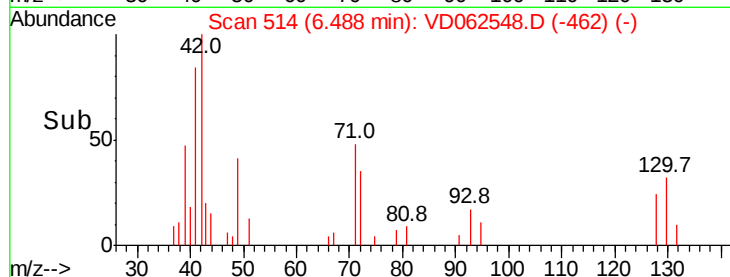
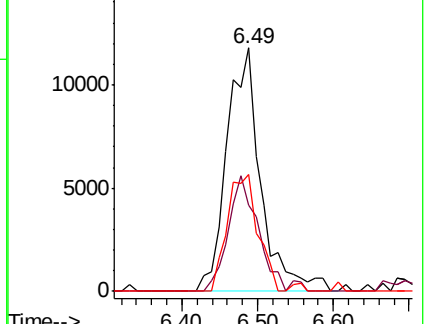
71 43.3 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 8.935 ug/l

RT: 6.67 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD062548.D

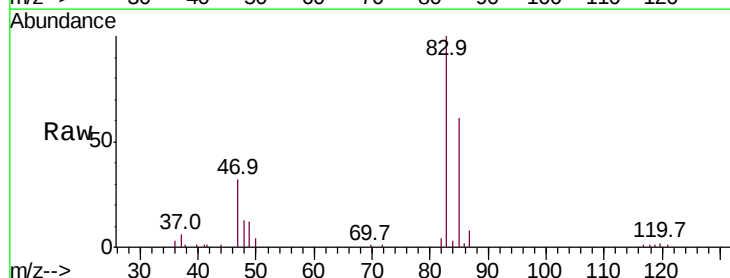
Acq: 30 May 2019 12:06

Tgt Ion: 83 Resp: 152472

Ion Ratio Lower Upper

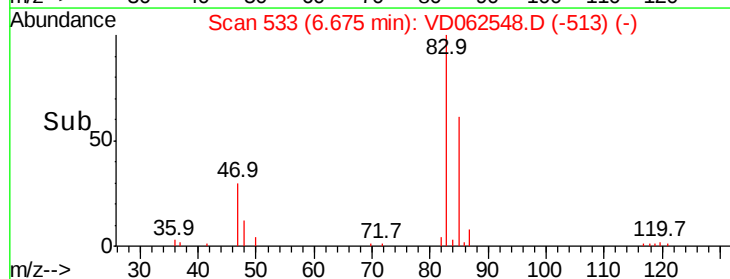
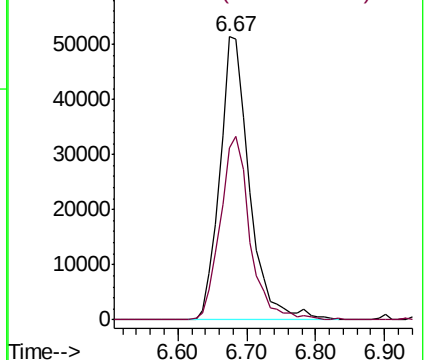
83 100

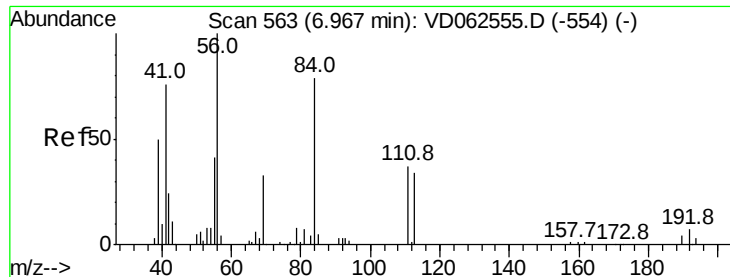
85 60.7 49.4 74.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

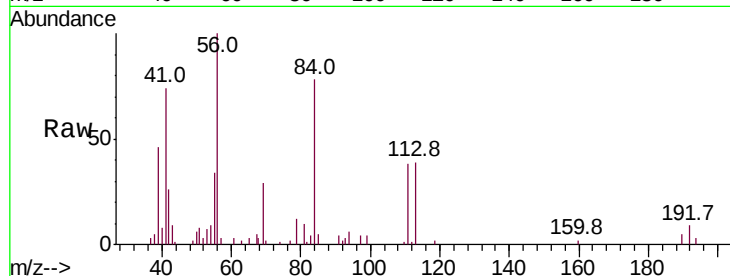




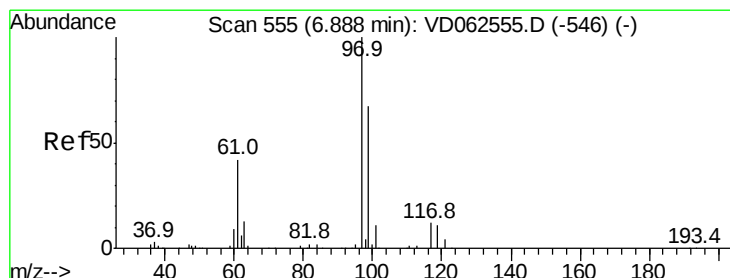
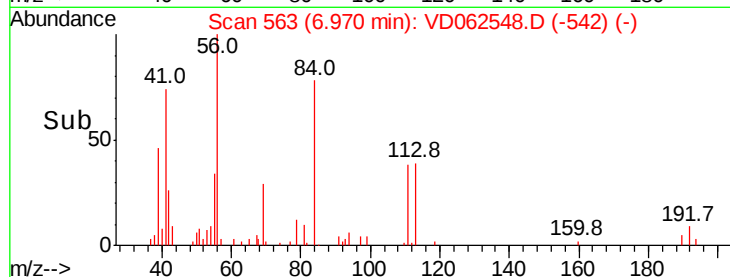
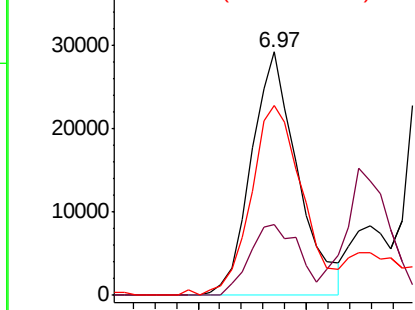
#31
Cyclohexane
Concen: 9.261 ug/l
RT: 6.97 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 56 Resp: 87010
Ion Ratio Lower Upper
56 100
69 29.3 26.2 39.2
84 78.2 65.2 97.8

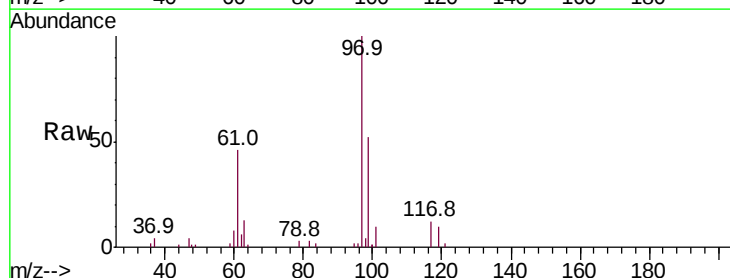


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

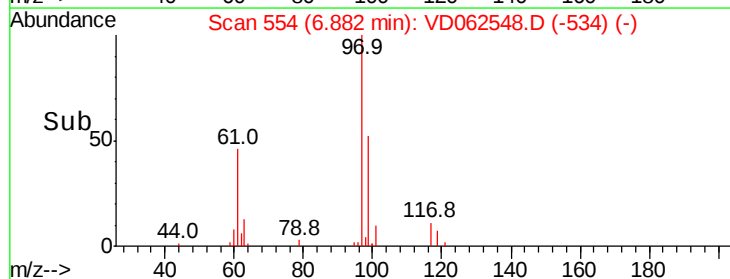
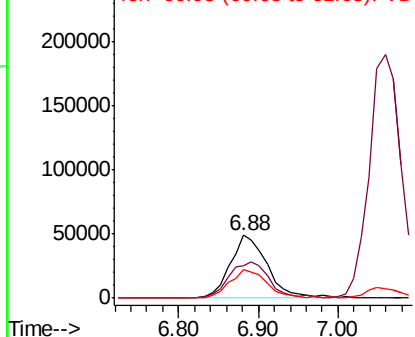


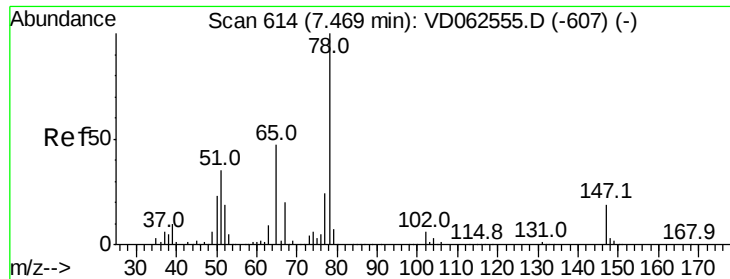
#32
1,1,1-Trichloroethane
Concen: 8.934 ug/l
RT: 6.88 min Scan# 554
Delta R.T. -0.01 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Tgt Ion: 97 Resp: 155674
Ion Ratio Lower Upper
97 100
99 52.0 53.6 80.4#
61 45.7 33.9 50.9



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: 10.295 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

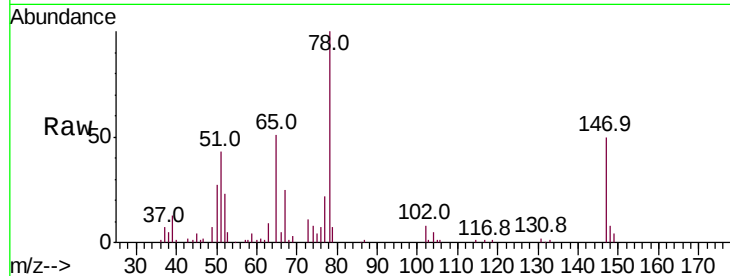
VSTDIC010

Tot Ion: 65 Resp: 103466

Ion Ratio Lower Upper

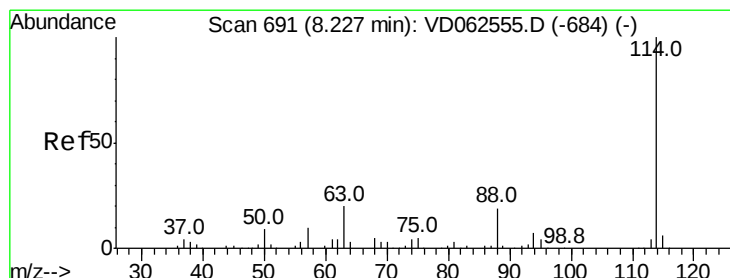
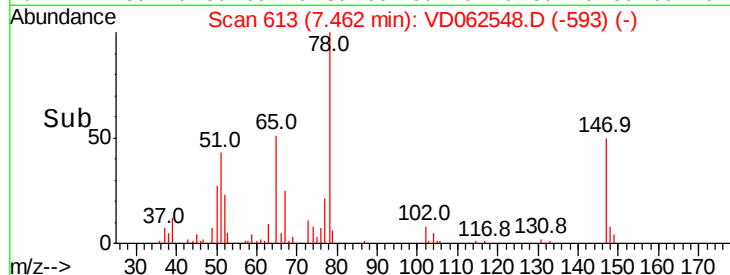
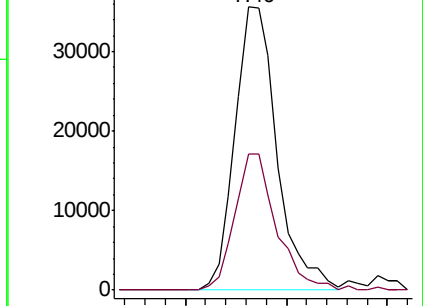
65 100

67 48.1 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

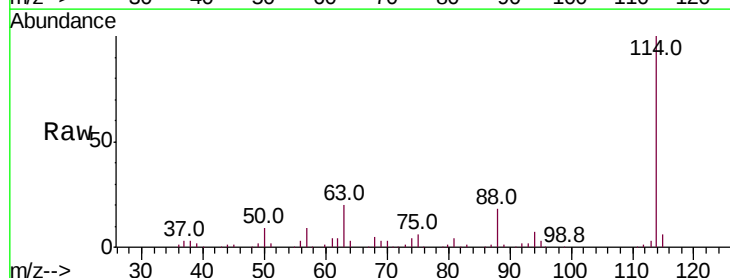
Tgt Ion:114 Resp: 1154024

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

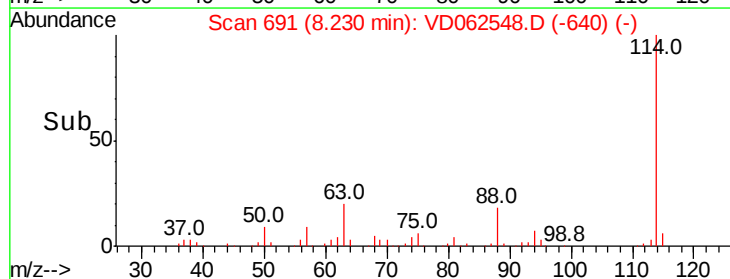
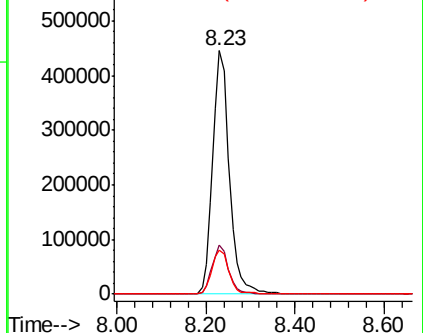
88 18.2 0.0 37.6

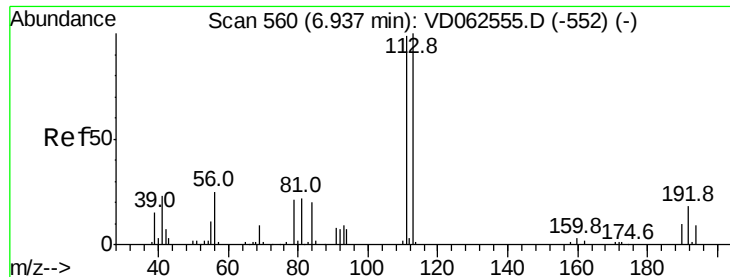


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

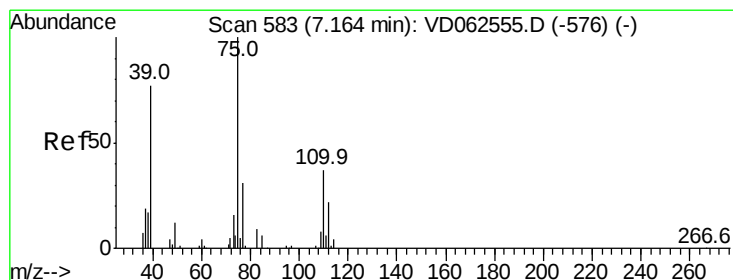
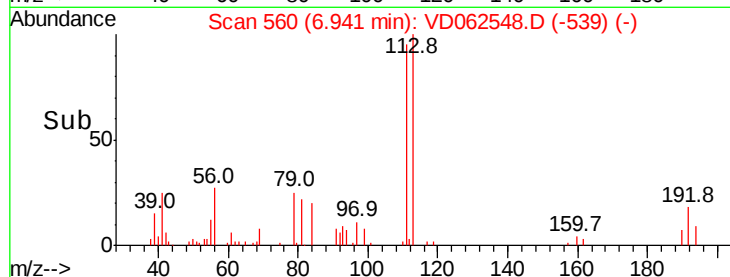
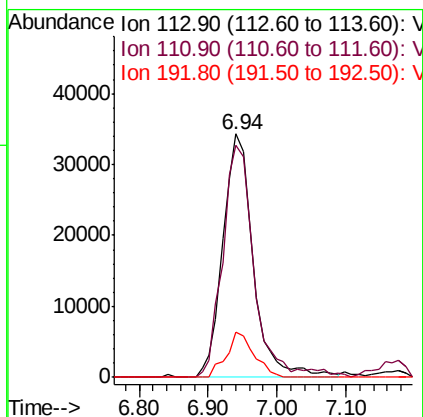
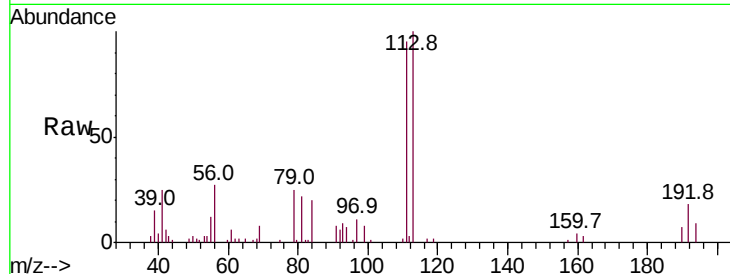




#35
 Dibromofluoromethane
 Concen: 9.845 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

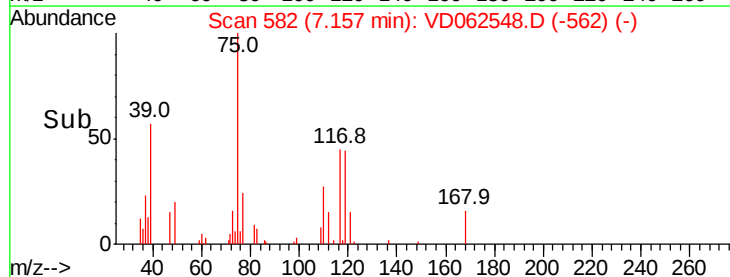
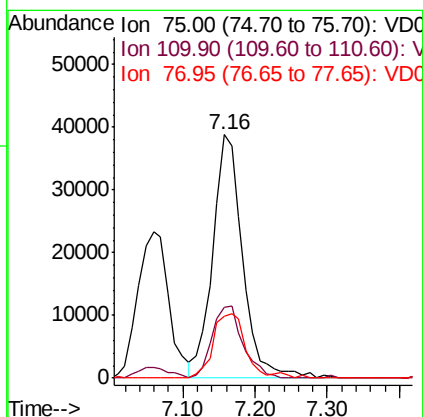
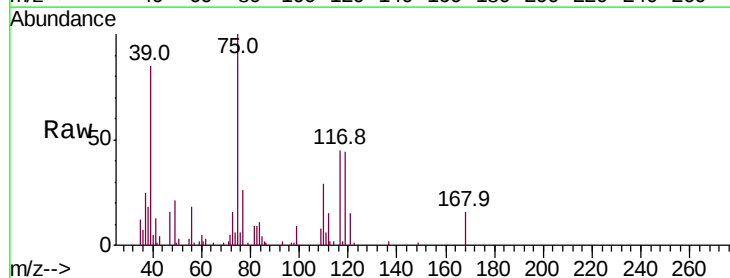
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

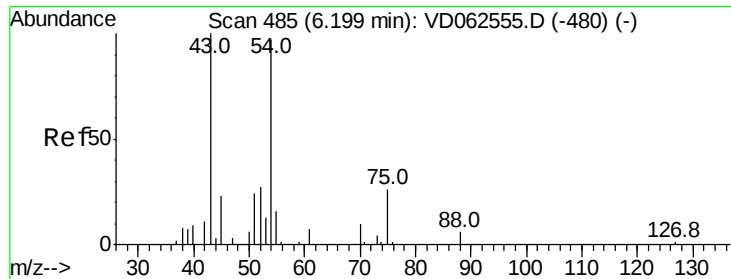
Tot Ion	Ratio	Lower	Upper
113	100		
111	95.1	78.8	118.2
192	18.4	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 9.504 ug/l
 RT: 7.16 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.2	18.3	54.8
77	25.5	24.4	36.6

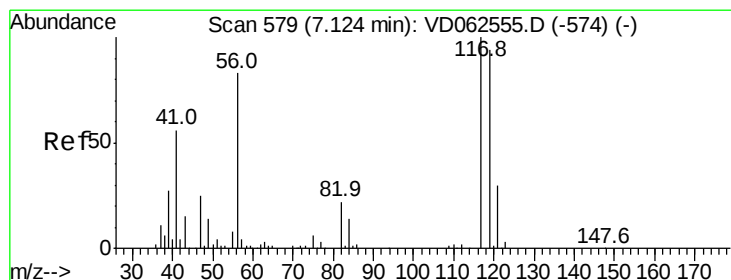
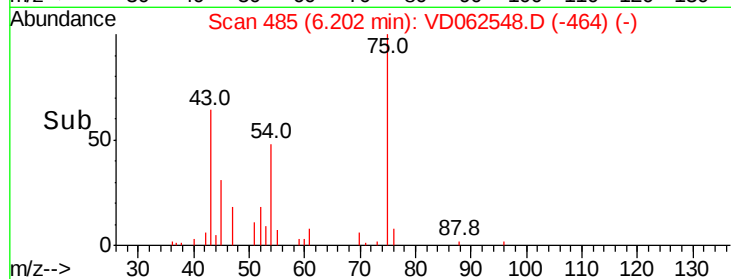
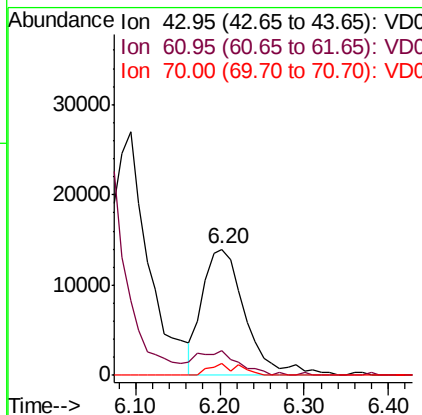
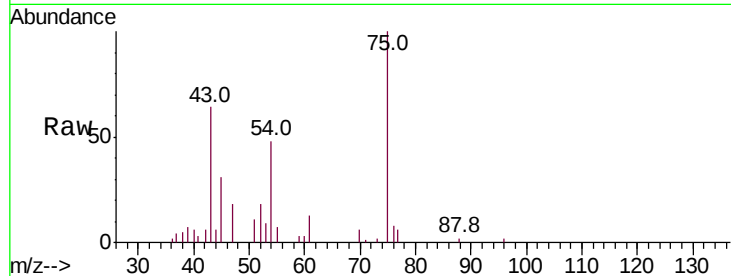




#37
Ethyl Acetate
Concen: 9.451 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

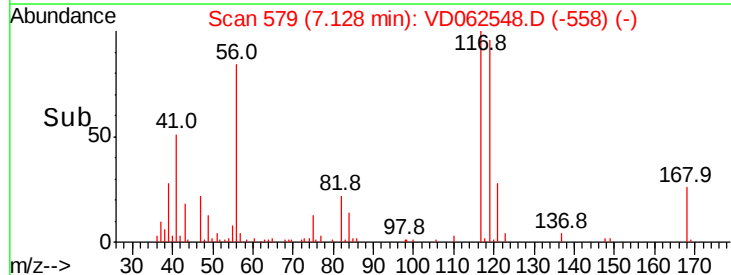
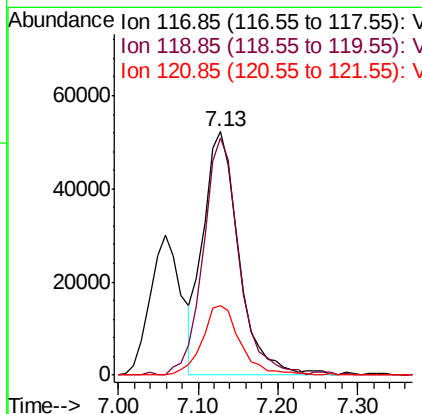
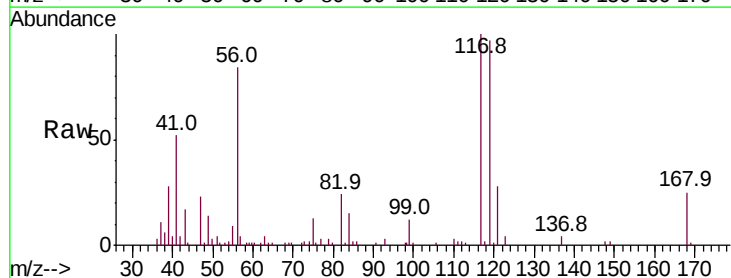
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

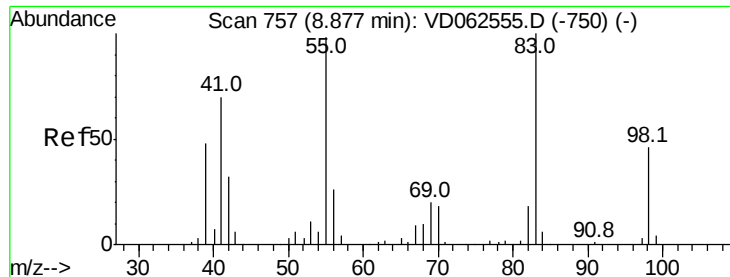
Tot Ion: 43 Resp: 49396
Ion Ratio Lower Upper
43 100
61 19.8 9.8 14.8#
70 9.4 6.5 9.7



#38
Carbon Tetrachloride
Concen: 9.247 ug/l
RT: 7.13 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Tgt Ion: 117 Resp: 163464
Ion Ratio Lower Upper
117 100
119 97.5 71.4 107.2
121 28.3 22.5 33.7





#39

Methvlcvclohexane

Concen: 8.481 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

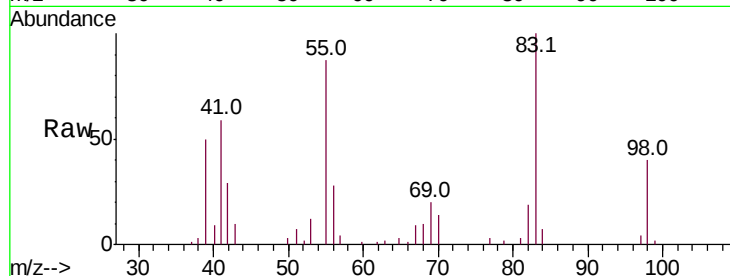
Tot Ion: 83 Resp: 83156

Ion Ratio Lower Upper

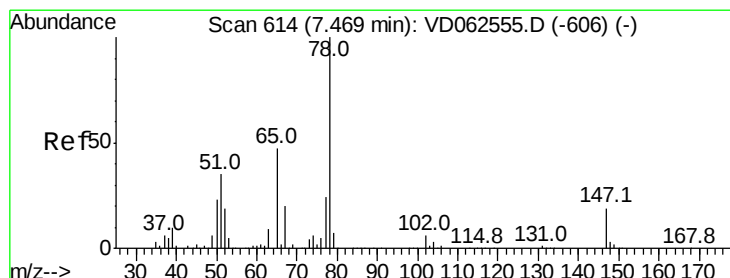
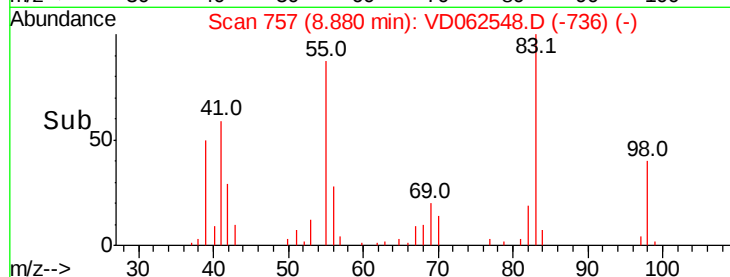
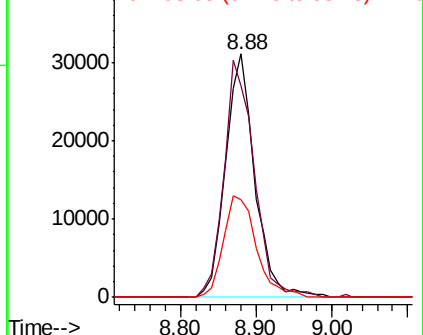
83 100

55 86.9 78.7 118.1

98 40.0 37.2 55.8



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



#40

Benzene

Concen: 9.487 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD062548.D

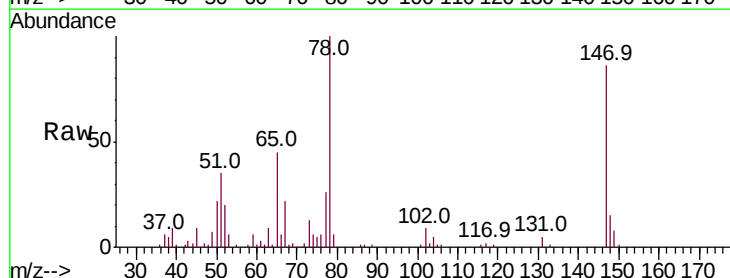
Acq: 30 May 2019 12:06

Tgt Ion: 78 Resp: 218115

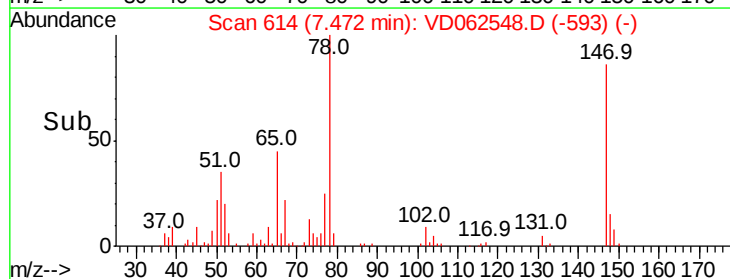
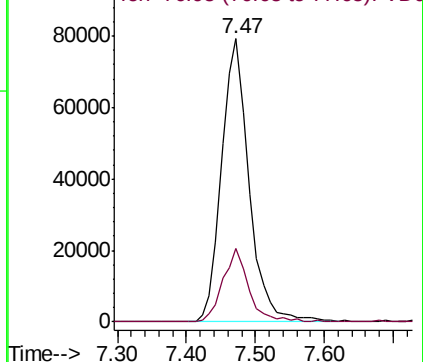
Ion Ratio Lower Upper

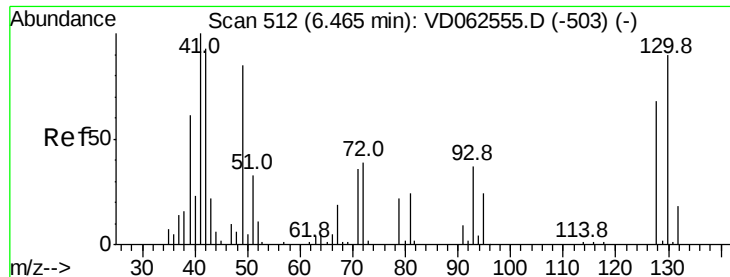
78 100

77 25.9 19.1 28.7



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





#41

Methacrylonitrile

Concen: 9.276 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 54343

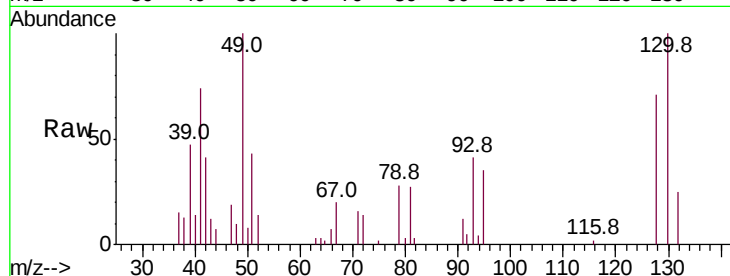
Ion Ratio Lower Upper

41 100

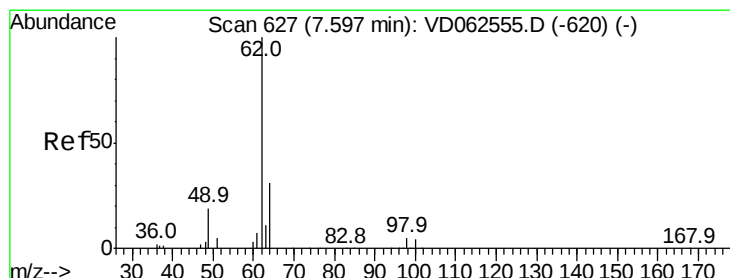
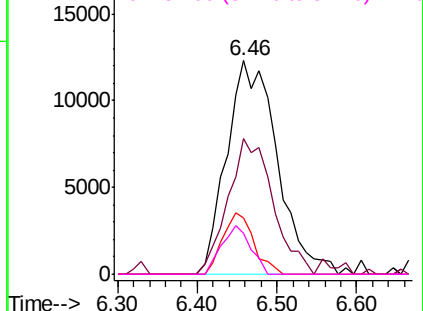
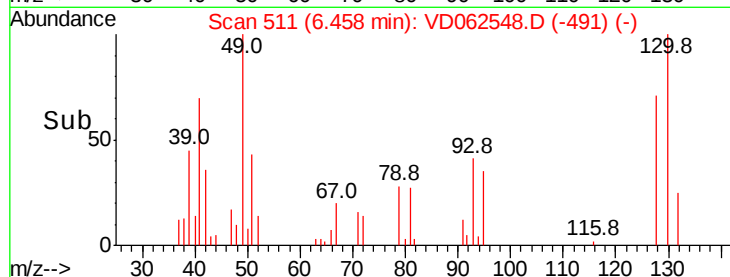
39 63.8 49.0 73.6

67 26.3 15.5 23.3#

52 19.1 8.9 13.3#



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: 9.151 ug/l

RT: 7.59 min Scan# 626

Delta R.T. -0.01 min

Lab File: VD062548.D

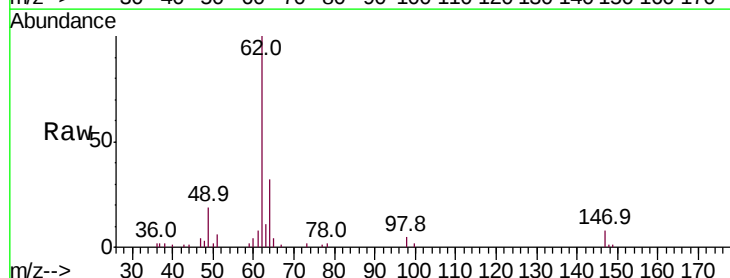
Acq: 30 May 2019 12:06

Tgt Ion: 62 Resp: 117457

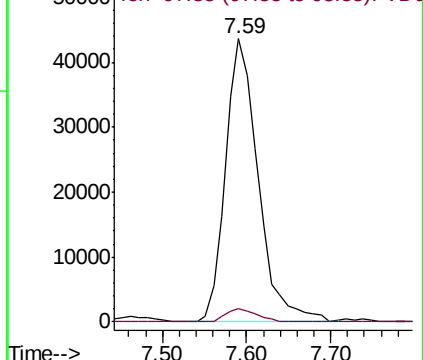
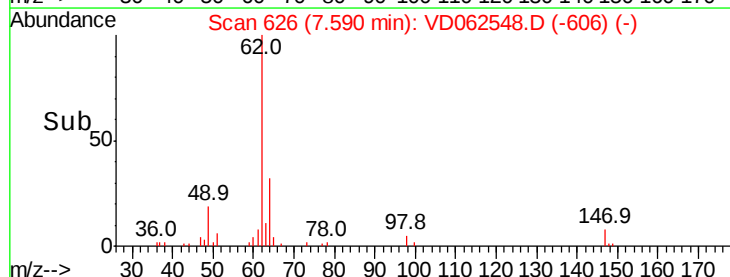
Ion Ratio Lower Upper

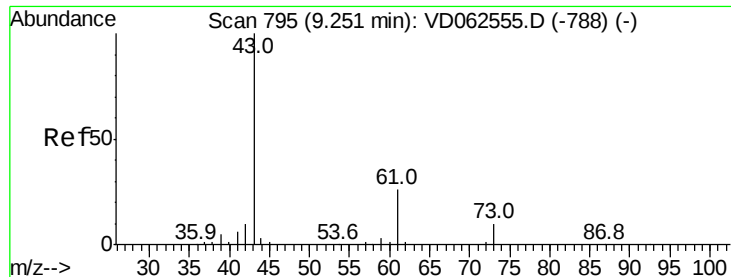
62 100

98 4.8 0.0 11.0



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





#43

Isopropyl Acetate

Concen: 8.545 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

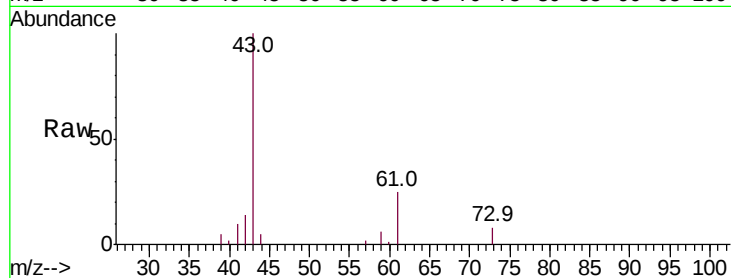
Tot Ion: 43 Resp: 52952

Ion Ratio Lower Upper

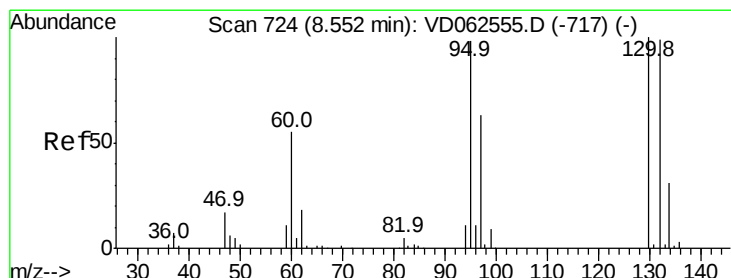
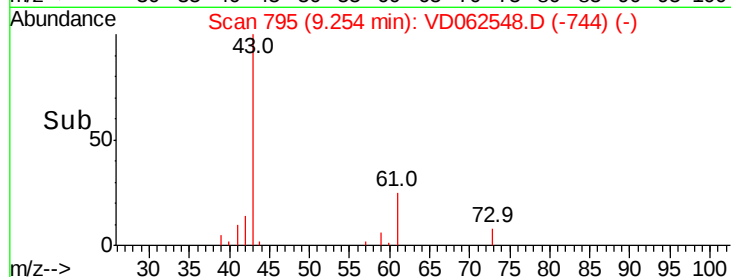
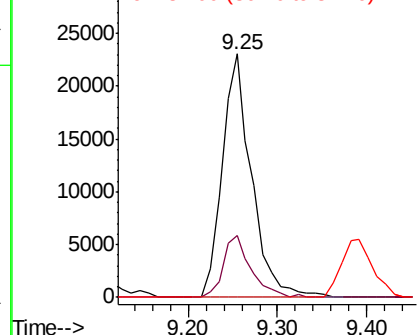
43 100

61 25.3 20.5 30.7

87 0.0 0.2 0.2#



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



#44

Trichloroethene

Concen: 8.968 ug/l

RT: 8.56 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD062548.D

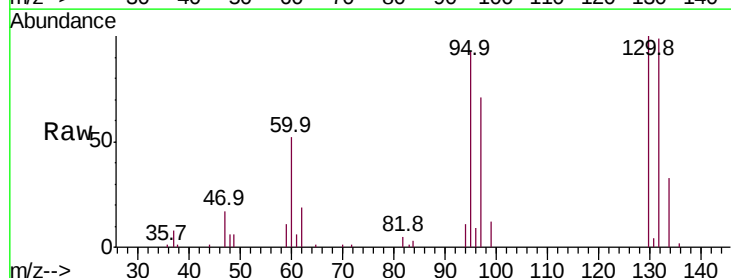
Acq: 30 May 2019 12:06

Tgt Ion: 130 Resp: 82530

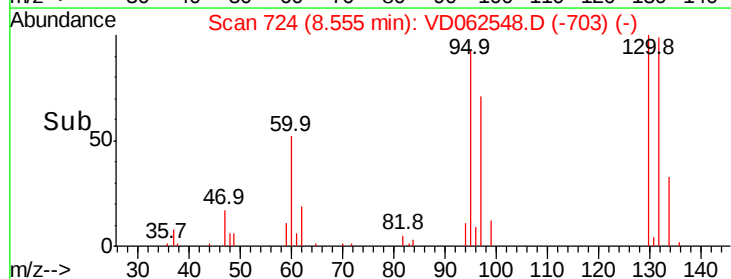
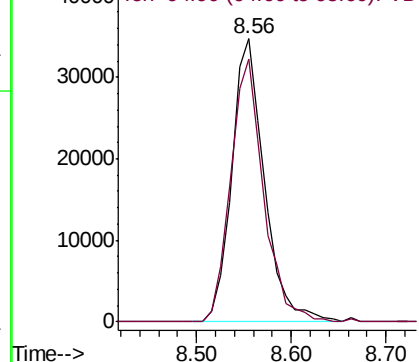
Ion Ratio Lower Upper

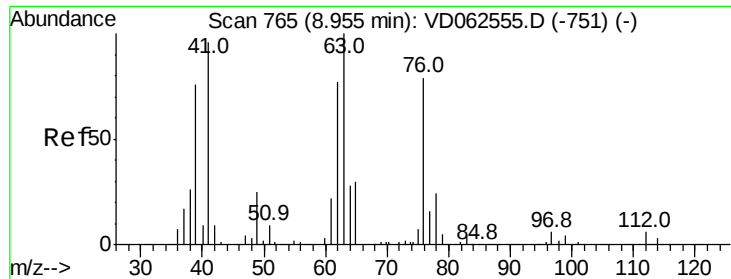
130 100

95 92.7 0.0 196.6



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





#45

1,2-Dichloropropane

Concen: 8.770 ug/l

RT: 8.95 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

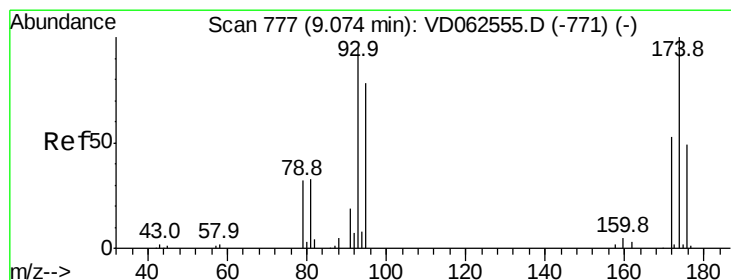
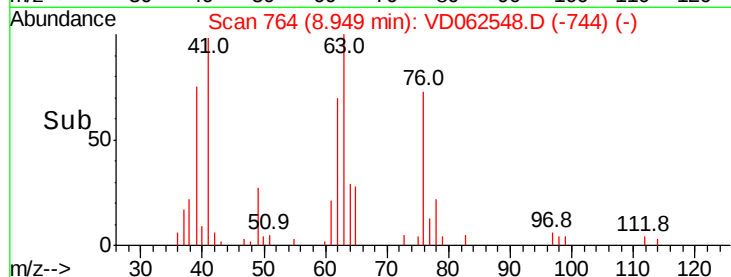
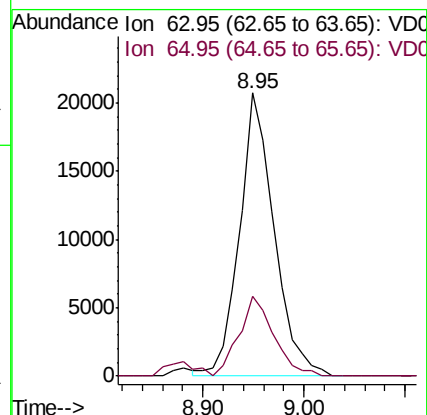
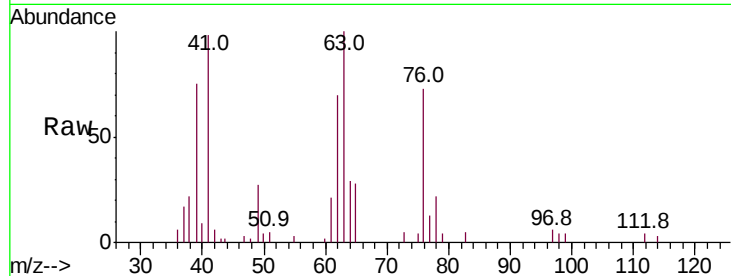
VSTDIC010

Tot Ion: 63 Resp: 49526

Ion Ratio Lower Upper

63 100

65 28.0 23.7 35.5



#46

Dibromomethane

Concen: 8.798 ug/l

RT: 9.08 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

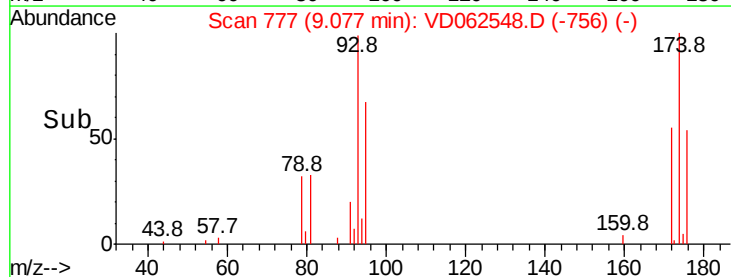
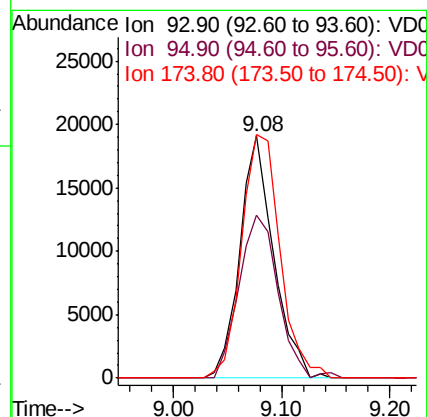
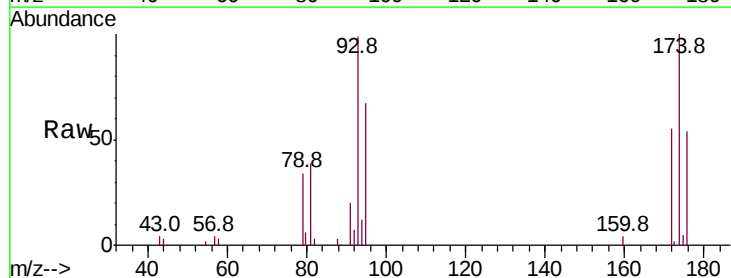
Tgt Ion: 93 Resp: 41444

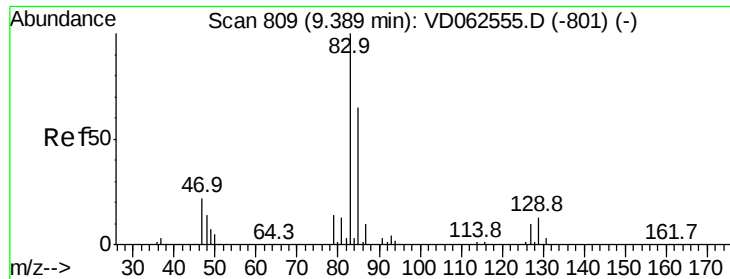
Ion Ratio Lower Upper

93 100

95 67.3 66.1 99.1

174 100.6 84.2 126.4





#47

Bromodichloromethane

Concen: 9.055 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

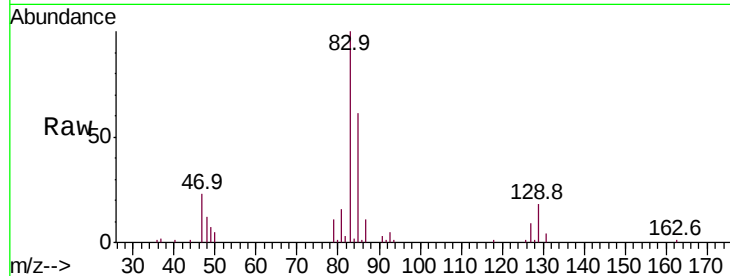
Tot Ion: 83 Resp: 118481

Ion Ratio Lower Upper

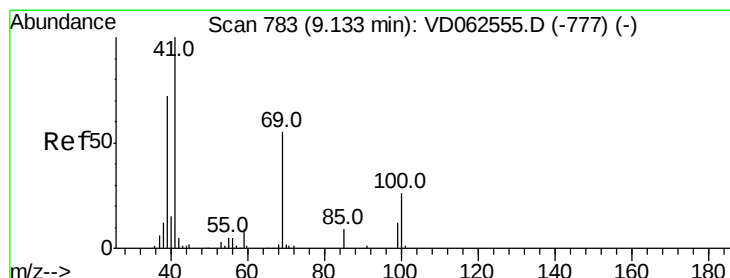
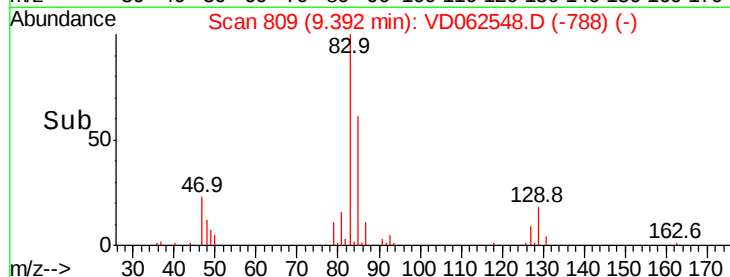
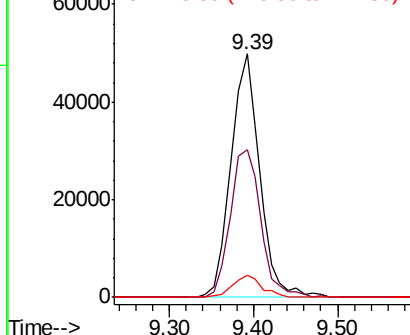
83 100

85 60.9 51.8 77.8

127 8.9 7.8 11.6



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



#48

Methyl methacrylate

Concen: 8.799 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

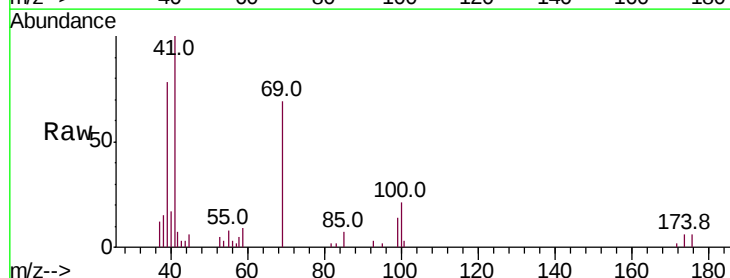
Tgt Ion: 41 Resp: 37464

Ion Ratio Lower Upper

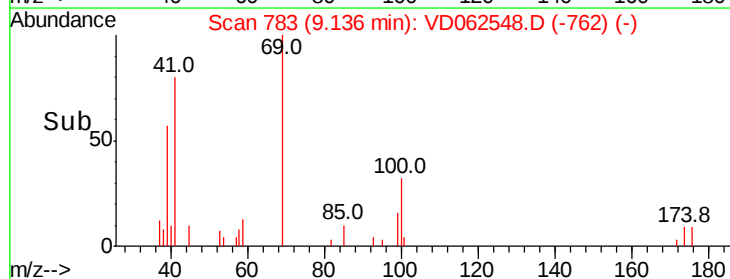
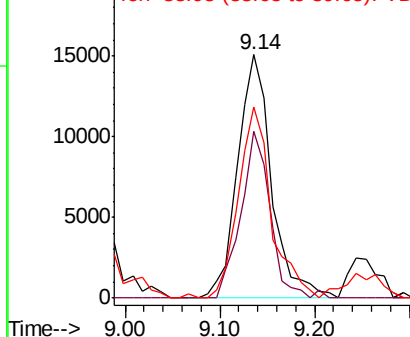
41 100

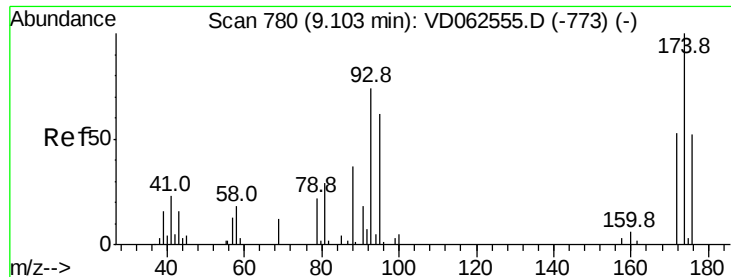
69 68.6 43.6 65.4#

39 78.4 58.1 87.1



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

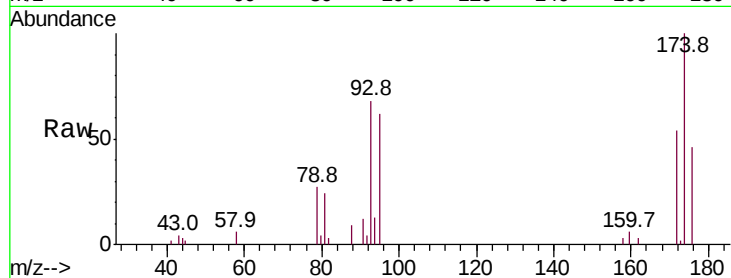




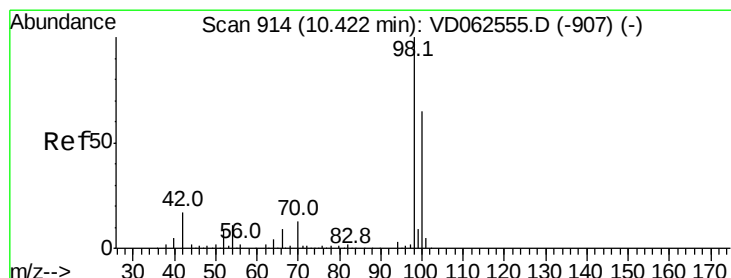
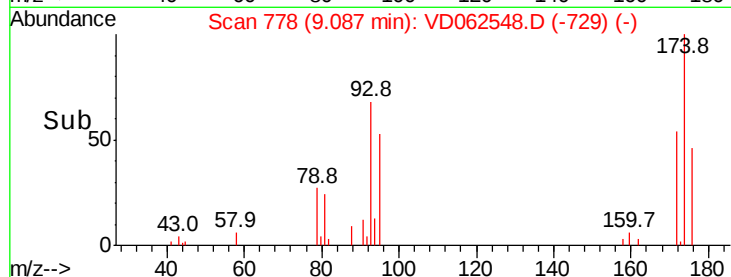
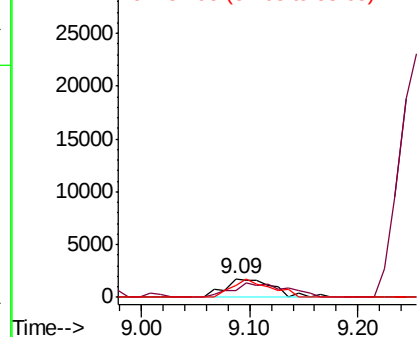
#49
1,4-Dioxane
Concen: 159.464 ug/l
RT: 9.09 min Scan# 778
Delta R.T. -0.02 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 5512
Ion Ratio Lower Upper
88 100
43 39.4 37.1 55.7
58 64.5 39.3 58.9#

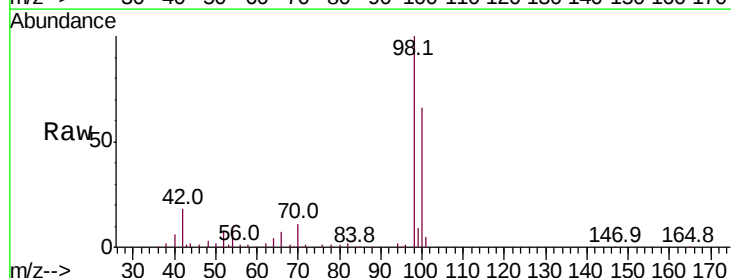


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

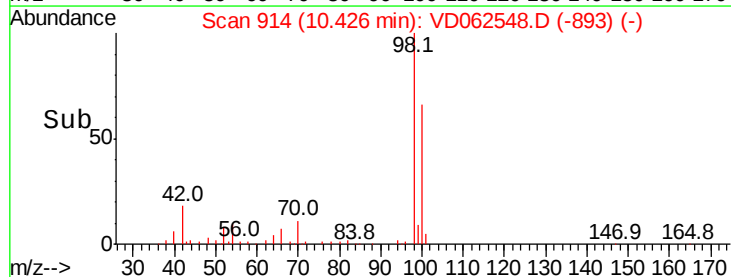
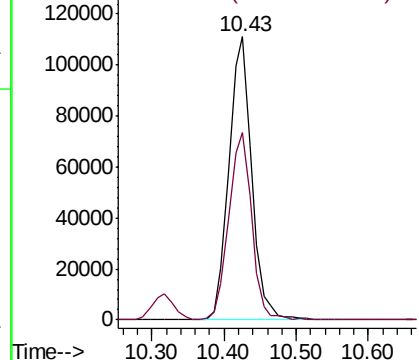


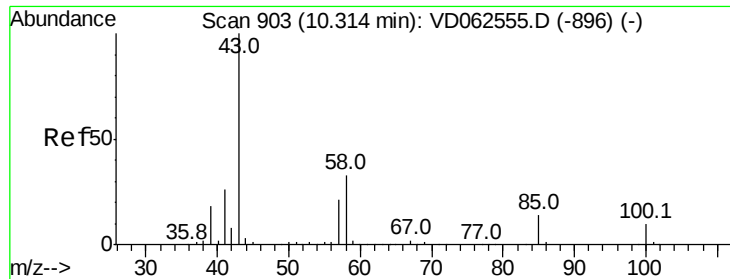
#50
Toluene-d8
Concen: 10.492 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Tgt Ion: 98 Resp: 242493
Ion Ratio Lower Upper
98 100
100 66.2 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 44.507 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

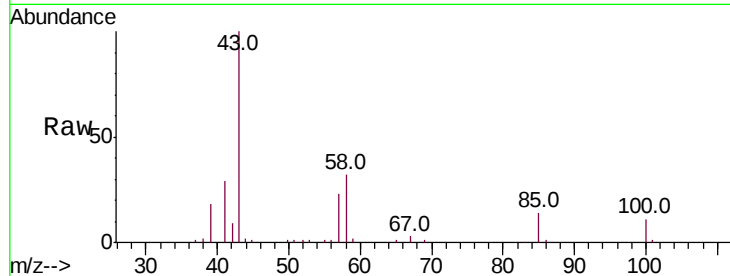
VSTDIC010

Tot Ion: 43 Resp: 195107

Ion Ratio Lower Upper

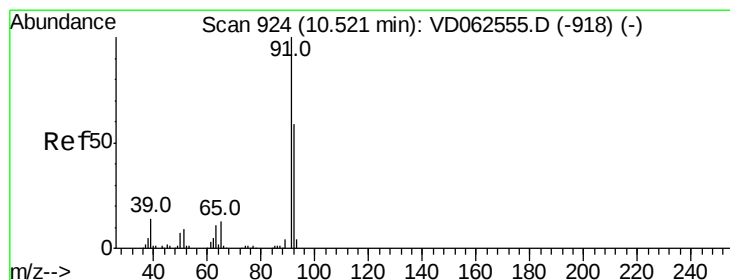
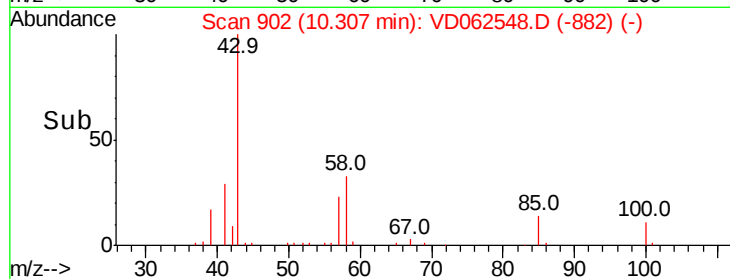
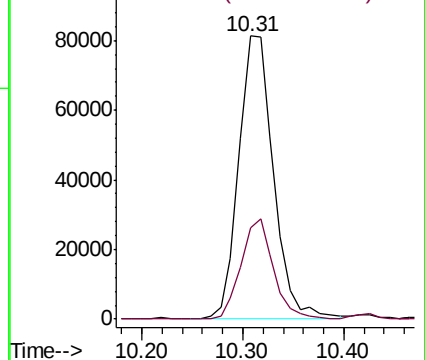
43 100

58 32.5 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 8.960 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD062548.D

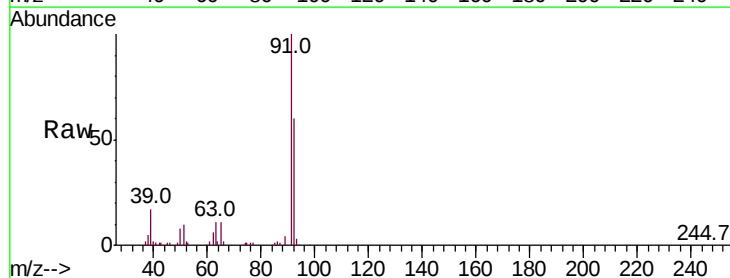
Acq: 30 May 2019 12:06

Tgt Ion: 92 Resp: 140150

Ion Ratio Lower Upper

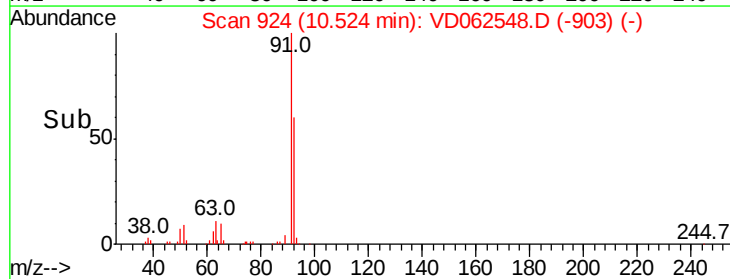
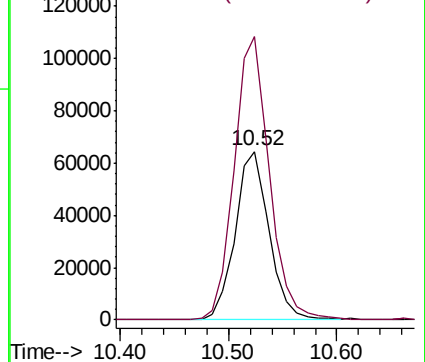
92 100

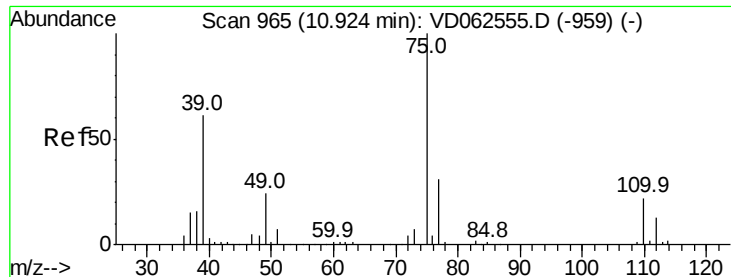
91 167.9 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

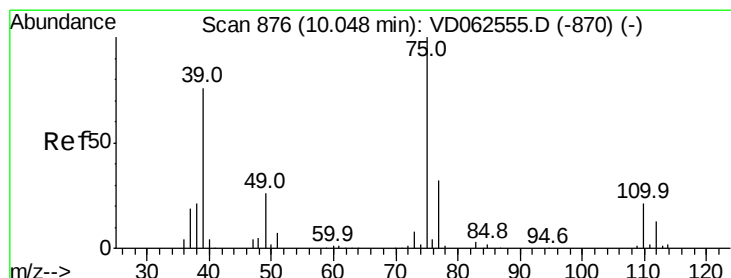
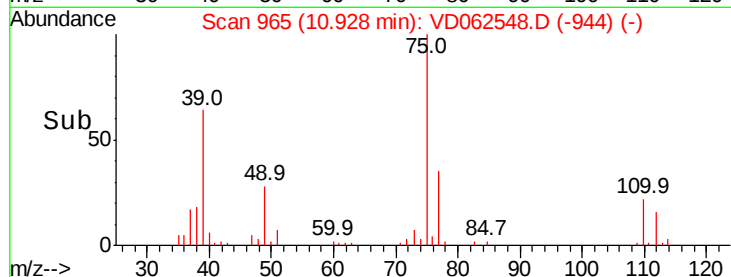
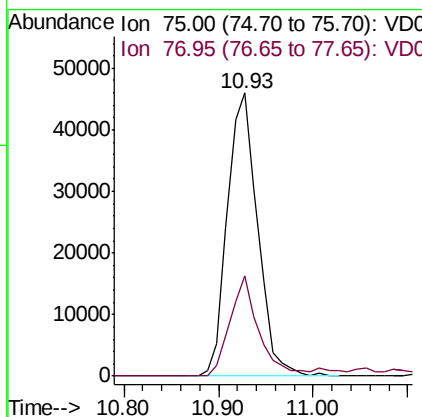
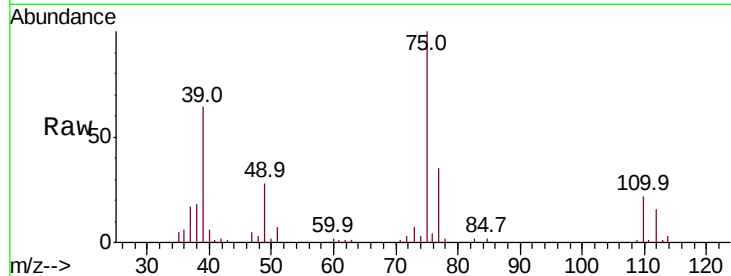




#53
 t-1,3-Dichloropropene
 Concen: 9.080 ug/l
 RT: 10.93 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

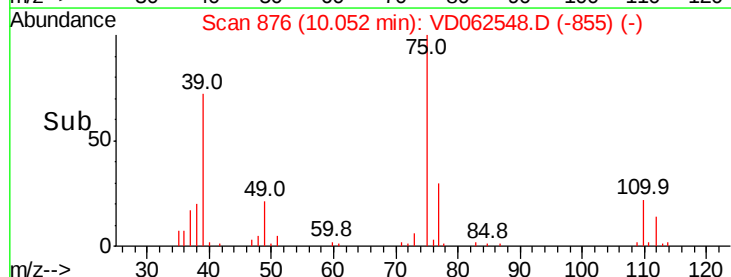
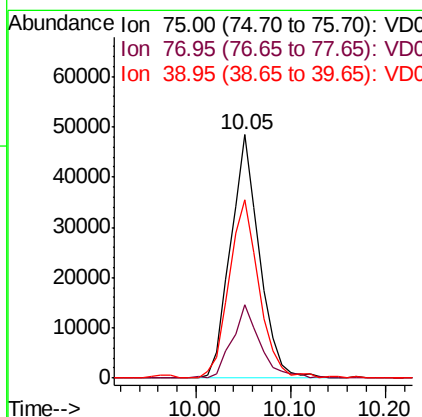
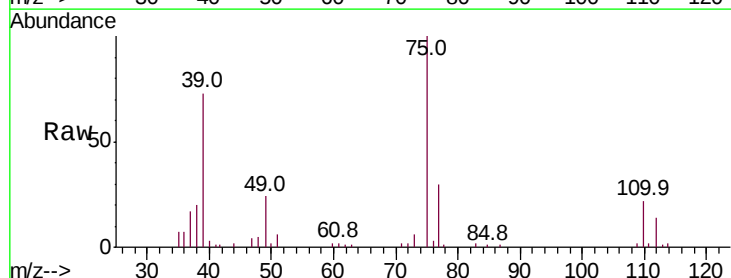
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

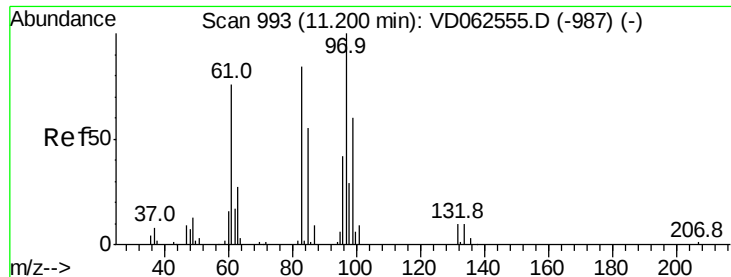
Tot Ion: 75 Resp: 101569
 Ion Ratio Lower Upper
 75 100
 77 35.3 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 8.836 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Tgt Ion: 75 Resp: 102173
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.7 38.5
 39 73.2 61.0 91.6

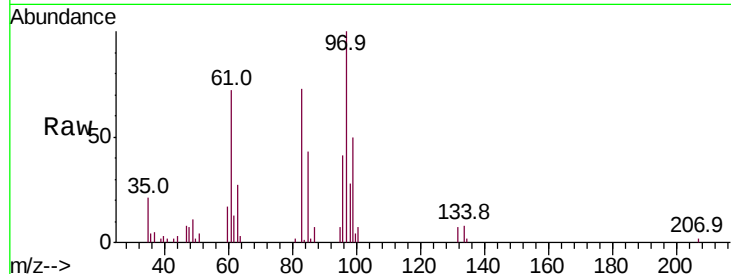




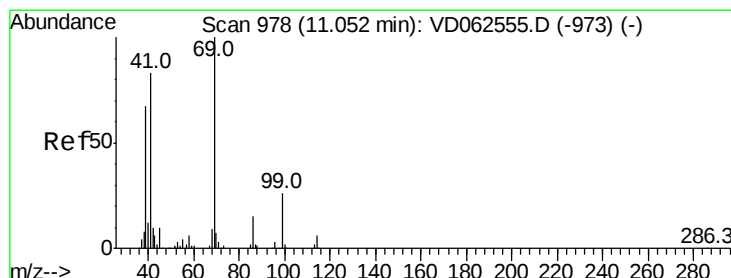
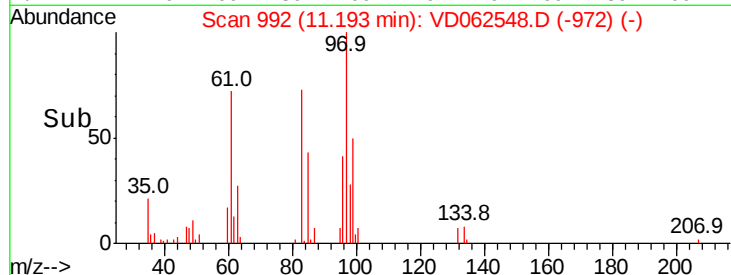
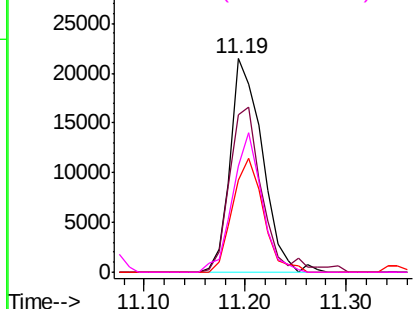
#55
 1,1,2-Trichloroethane
 Concen: 9.101 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 97 Resp: 47336
 Ion Ratio Lower Upper
 97 100
 83 73.5 67.3 100.9
 85 43.2 43.8 65.8#
 99 49.7 48.2 72.2

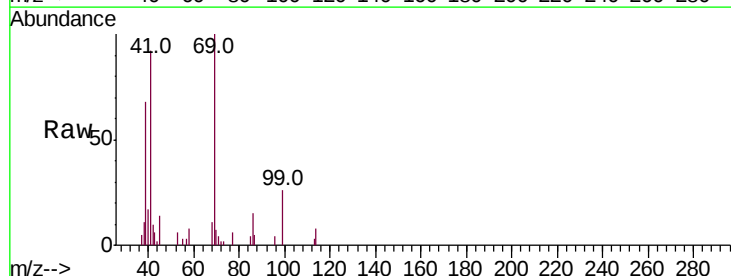


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

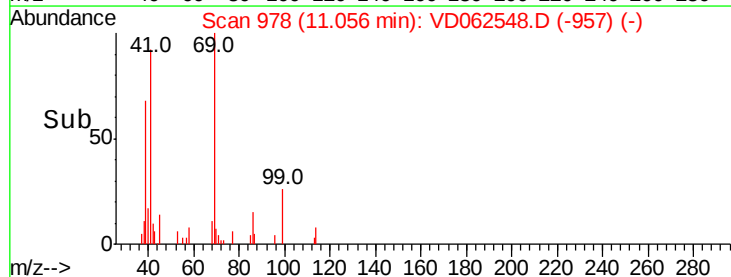
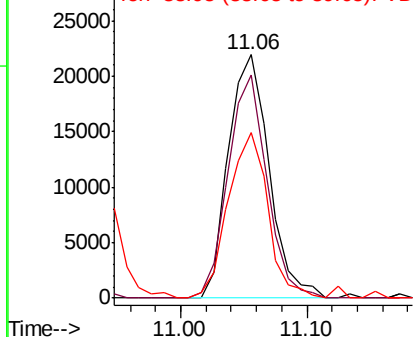


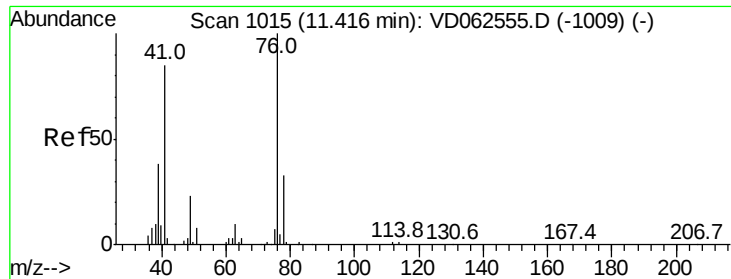
#56
 Ethyl methacrylate
 Concen: 8.902 ug/l
 RT: 11.06 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Tgt Ion: 69 Resp: 48969
 Ion Ratio Lower Upper
 69 100
 41 91.8 66.1 99.1
 39 68.1 54.2 81.2



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

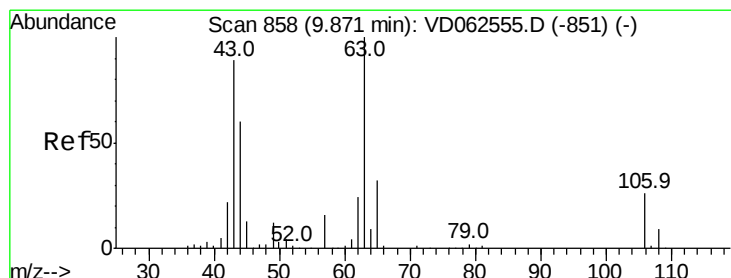
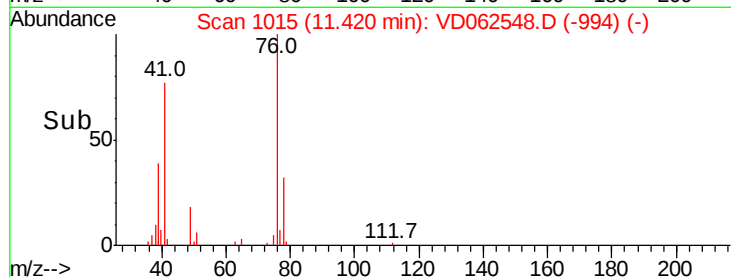
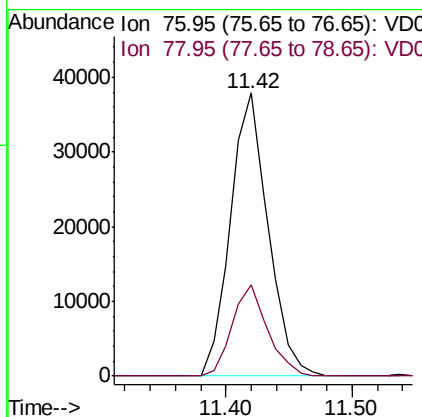
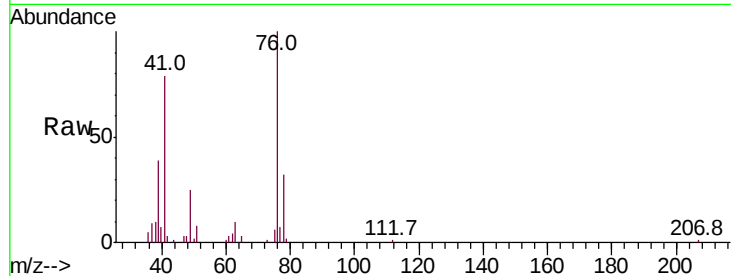




#57
 1,3-Dichloropropane
 Concen: 9.869 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

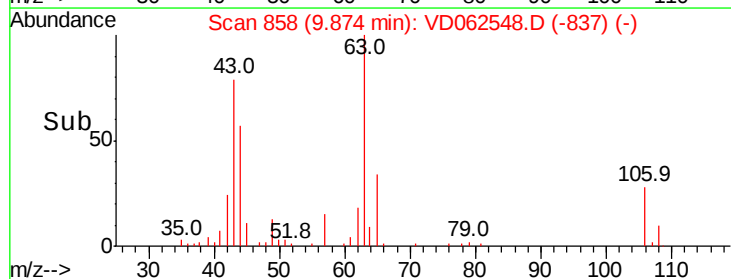
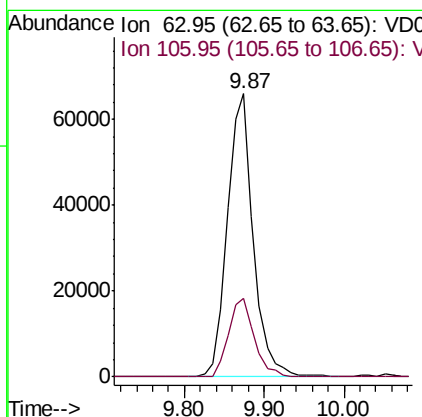
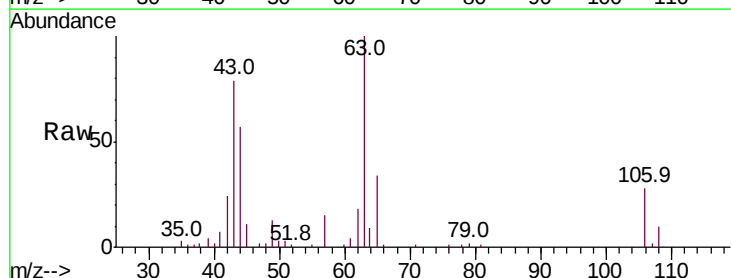
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

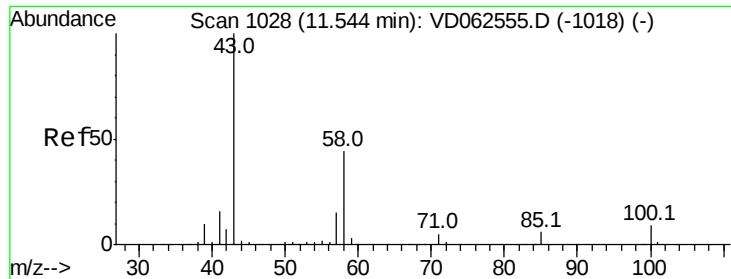
Tot Ion: 76 Resp: 77742
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.7 40.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 52.488 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Tgt Ion: 63 Resp: 149654
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.0 31.4

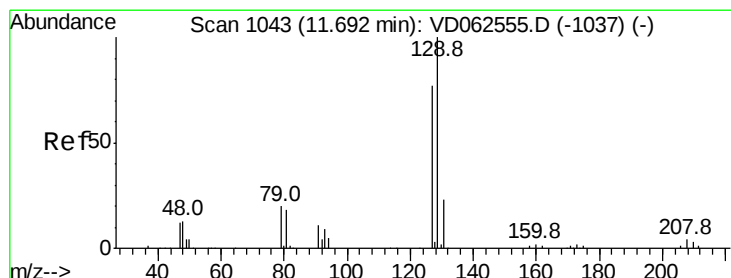
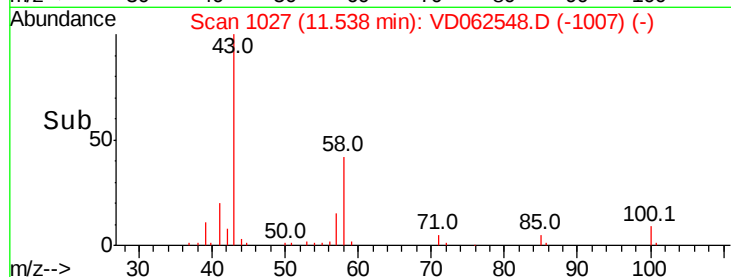
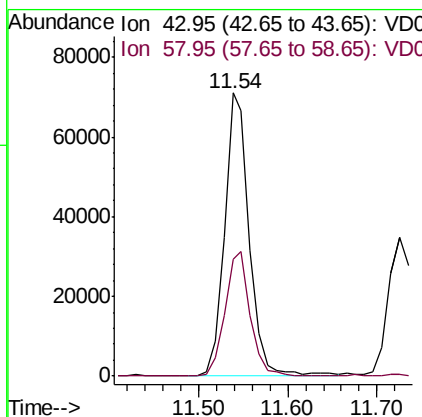
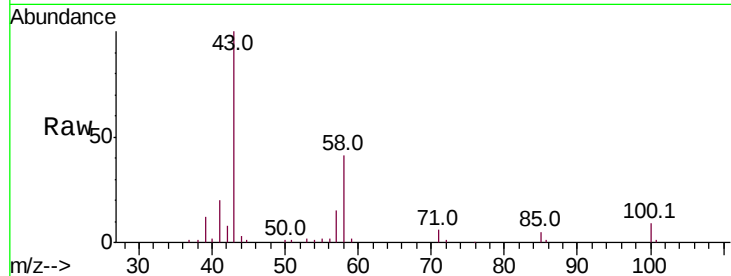




#59
2-Hexanone
Concen: 45.118 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

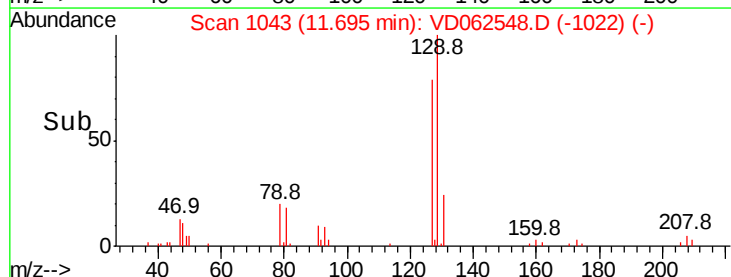
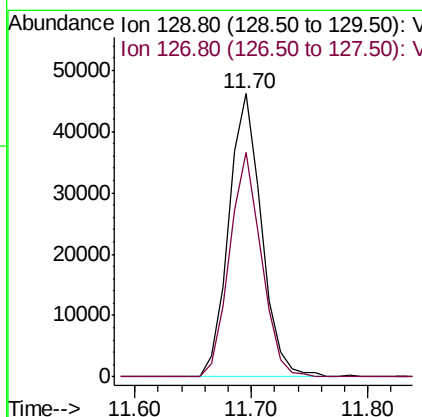
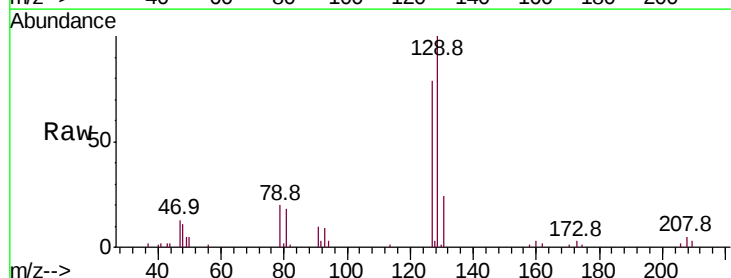
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

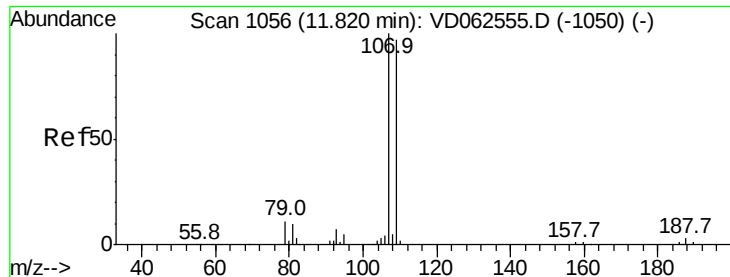
Tot Ion: 43 Resp: 138190
Ion Ratio Lower Upper
43 100
58 41.4 22.0 66.0



#60
Dibromochloromethane
Concen: 8.875 ug/l
RT: 11.70 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Tgt Ion: 129 Resp: 89544
Ion Ratio Lower Upper
129 100
127 79.2 38.6 115.8

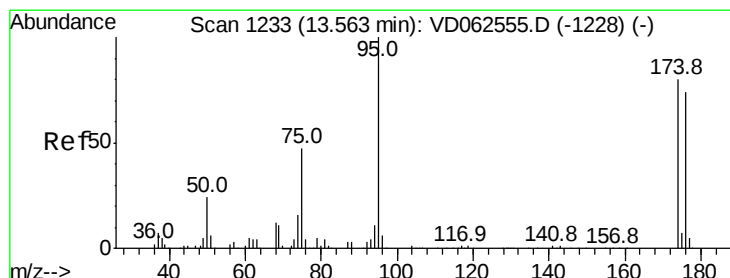
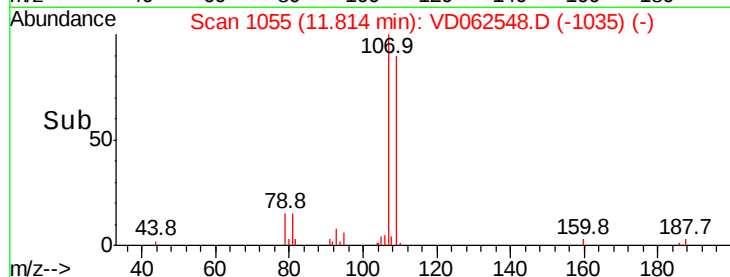
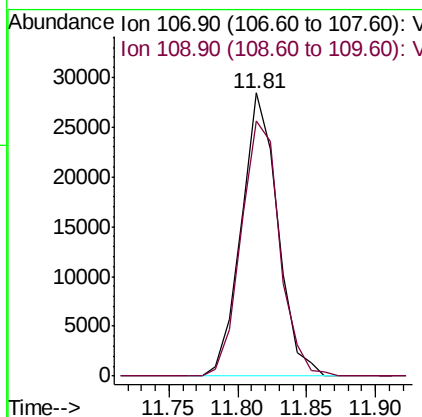
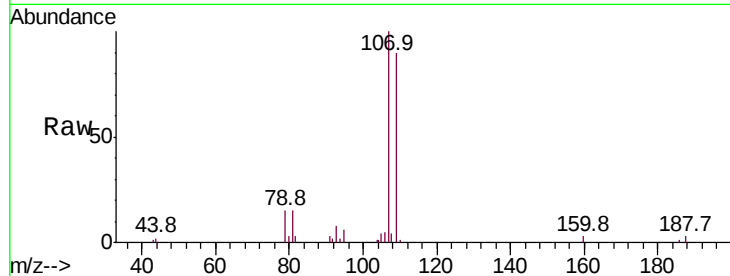




#61
 1,2-Dibromoethane
 Concen: 8.528 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

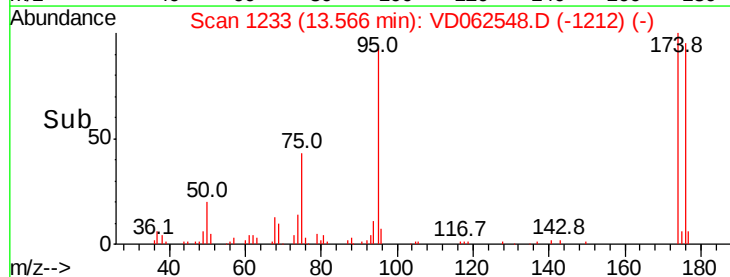
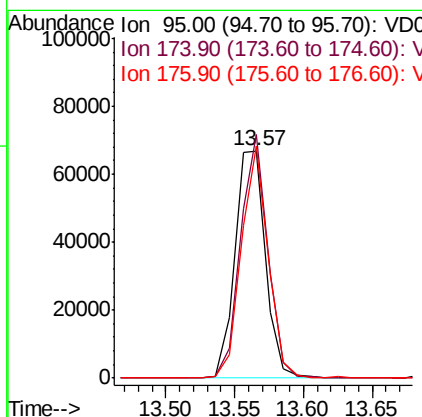
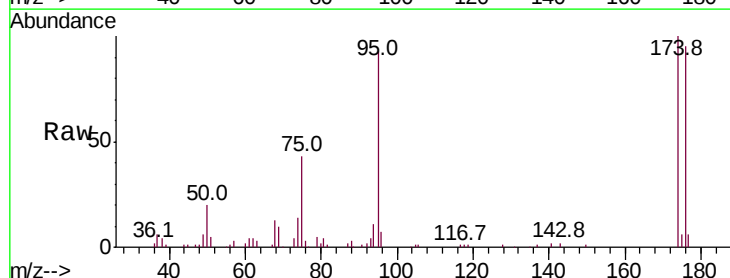
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

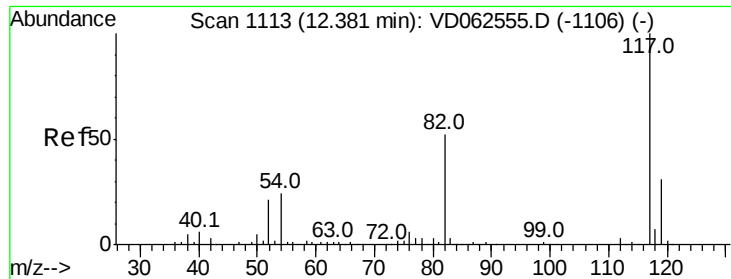
Tot Ion:107 Resp: 52487
 Ion Ratio Lower Upper
 107 100
 109 90.1 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 10.006 ug/l
 RT: 13.57 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Tgt Ion: 95 Resp: 103684
 Ion Ratio Lower Upper
 95 100
 174 107.2 0.0 160.2
 176 102.0 0.0 148.0

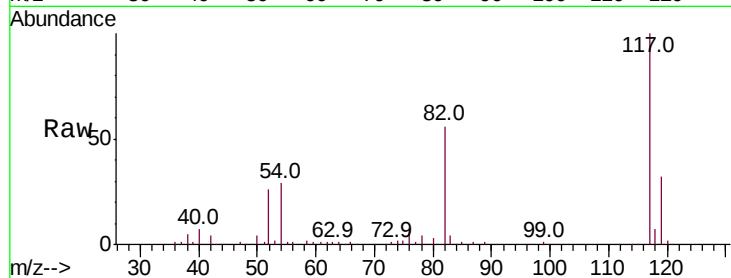




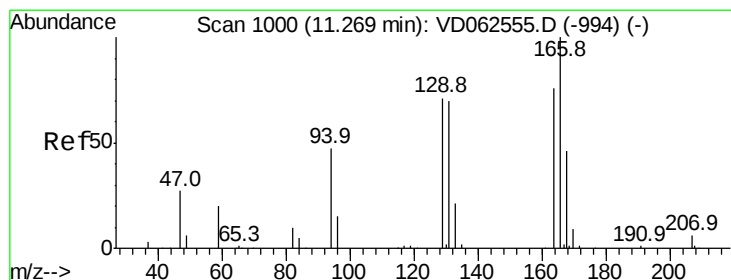
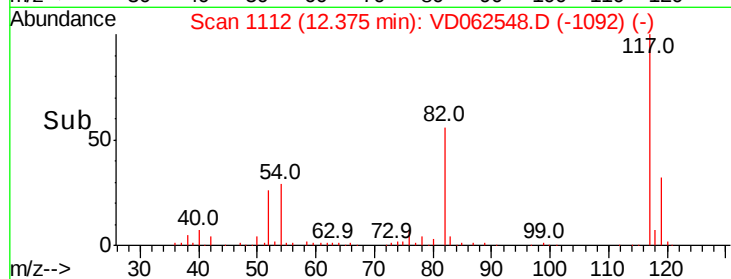
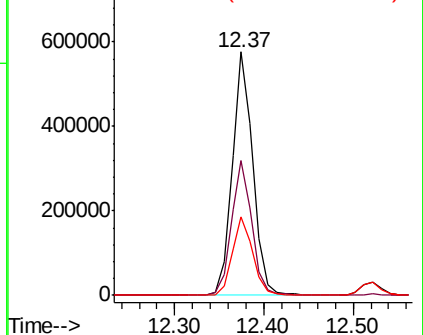
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 937043
Ion Ratio Lower Upper
117 100
82 55.5 41.4 62.2
119 32.3 24.9 37.3

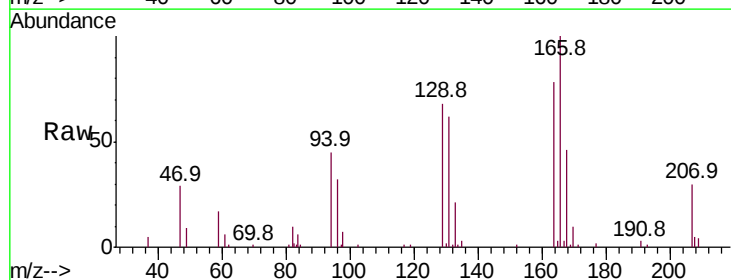


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

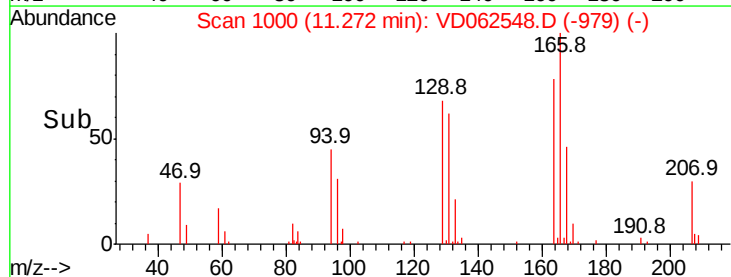
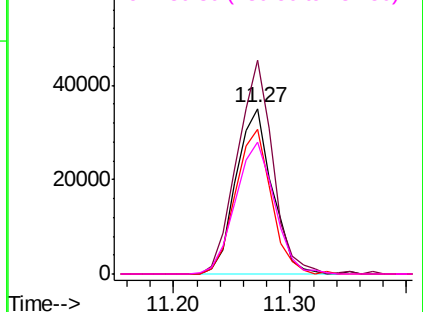


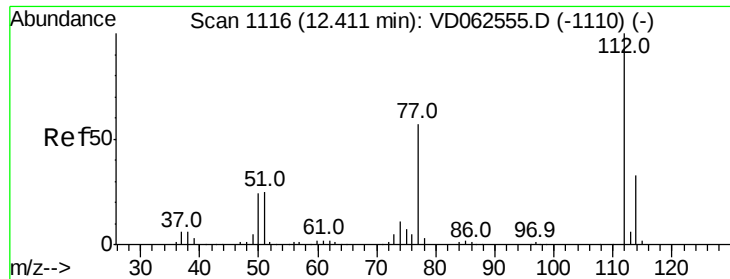
#64
Tetrachloroethene
Concen: 8.868 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Tgt Ion:164 Resp: 75205
Ion Ratio Lower Upper
164 100
166 128.8 105.3 157.9
129 87.4 75.3 112.9
131 79.7 73.3 109.9



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

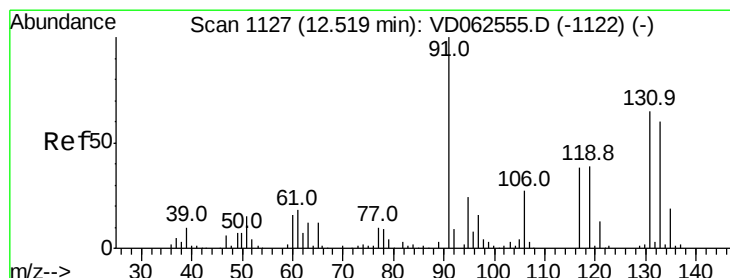
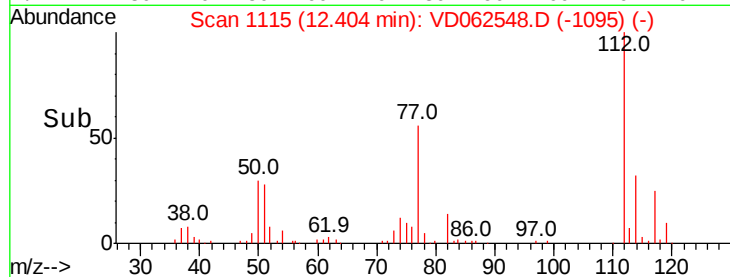
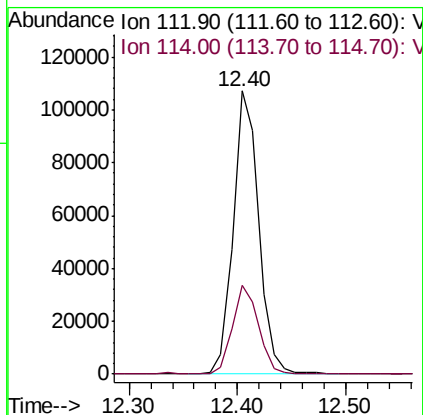
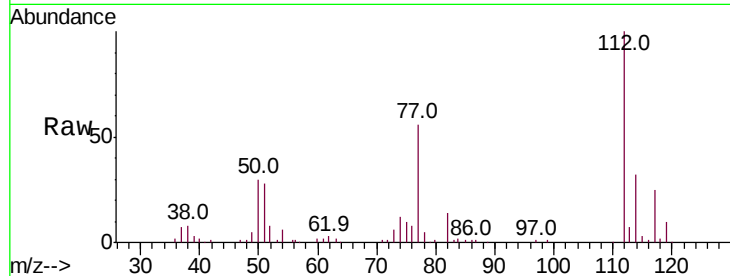




#65
Chlorobenzene
Concen: 9.235 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.01 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

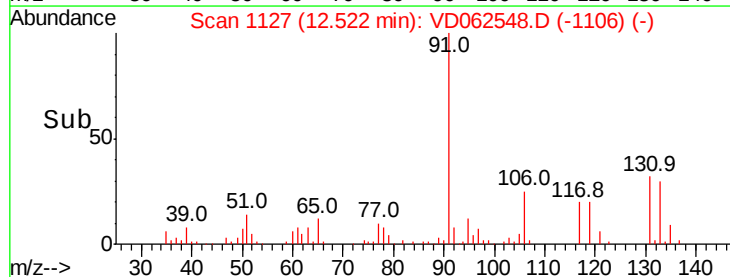
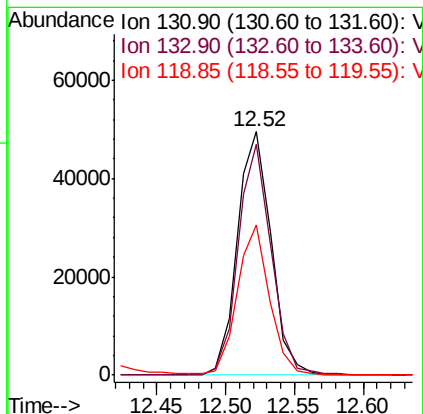
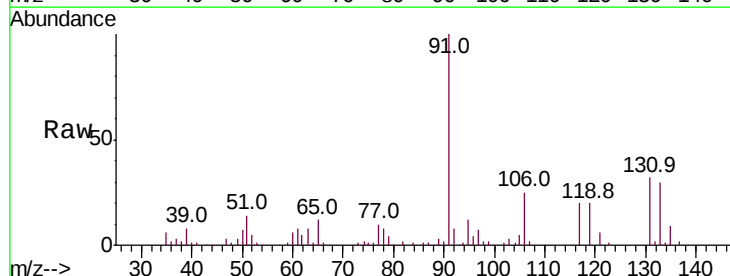
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

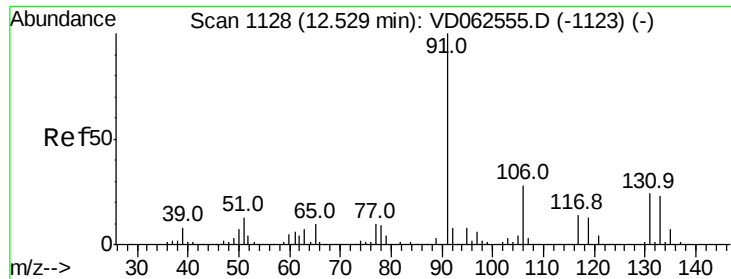
Tot Ion:112 Resp: 174977
Ion Ratio Lower Upper
112 100
114 31.5 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 9.499 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Tgt Ion:131 Resp: 84112
Ion Ratio Lower Upper
131 100
133 95.1 46.2 138.6
119 61.6 29.5 88.6

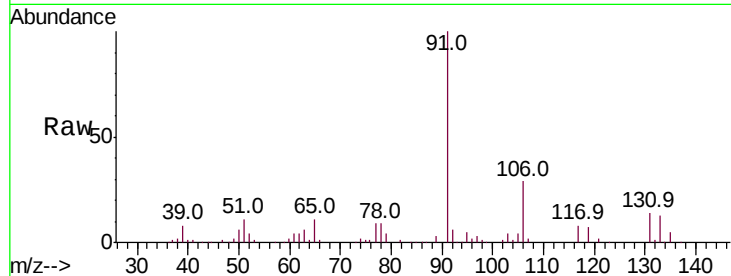




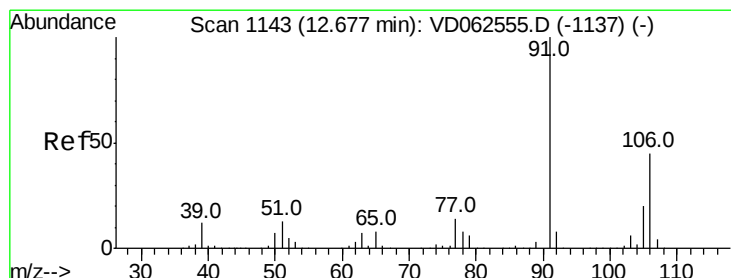
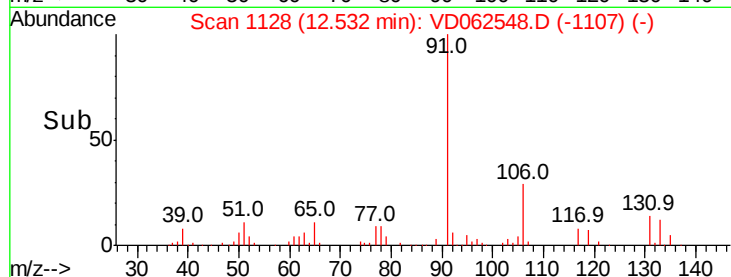
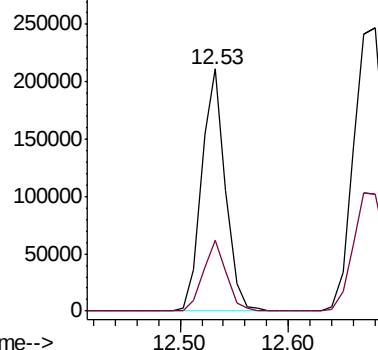
#67
Ethyl Benzene
Concen: 9.389 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 320532
Ion Ratio Lower Upper
91 100
106 29.3 22.2 33.2

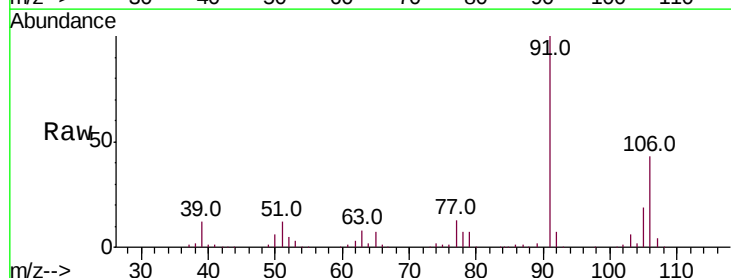


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

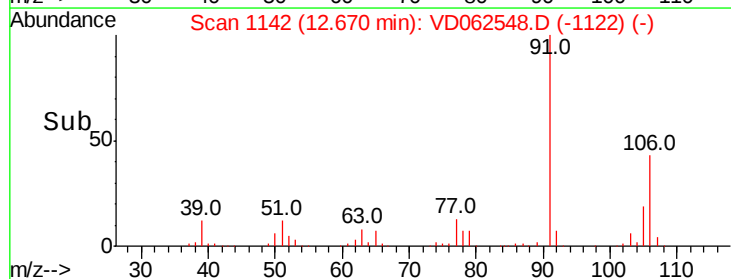
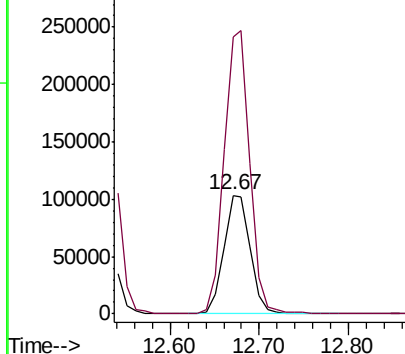


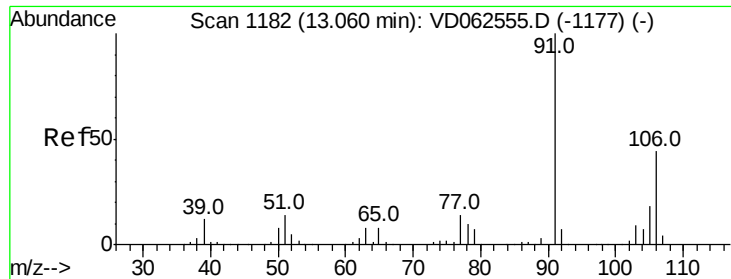
#68
m/p-Xylenes
Concen: 18.585 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Tgt Ion: 106 Resp: 215484
Ion Ratio Lower Upper
106 100
91 233.4 178.9 268.3



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

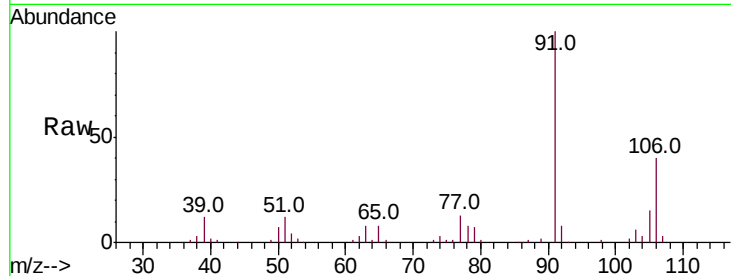




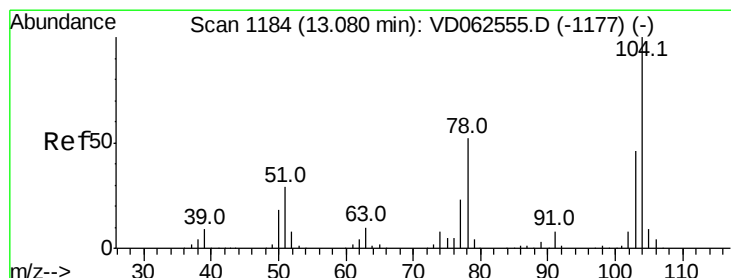
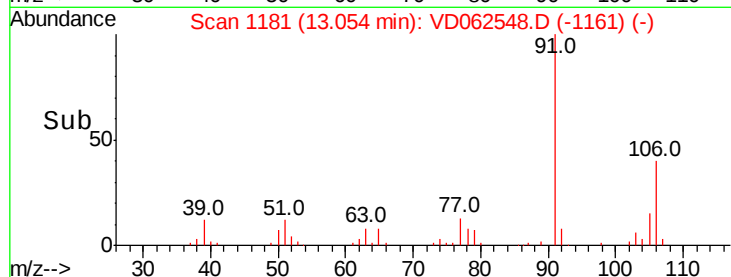
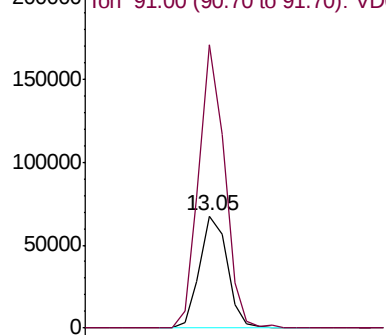
#69
o-Xylene
Concen: 9.100 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

Tot Ion:106 Resp: 102240
Ion Ratio Lower Upper
106 100
91 252.6 113.9 341.8

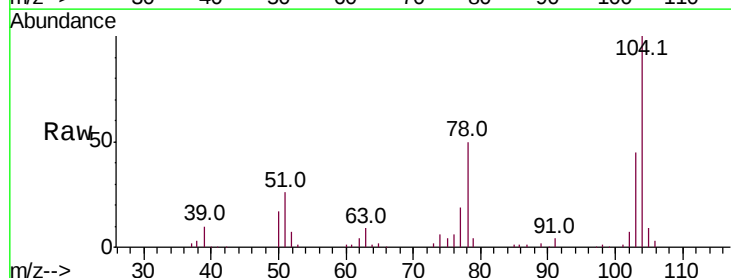


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

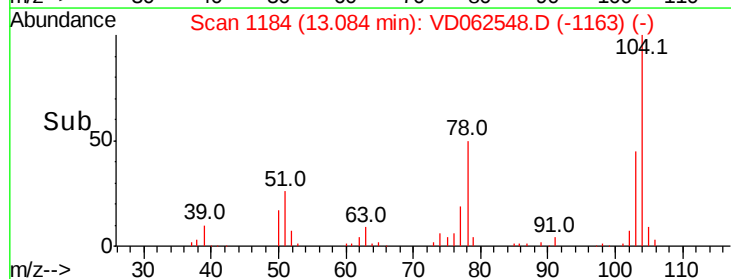
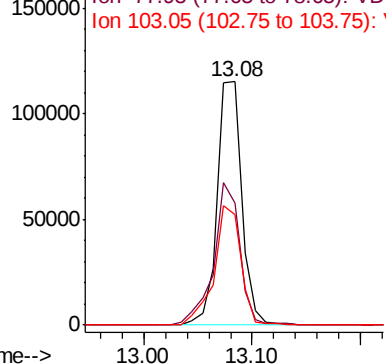


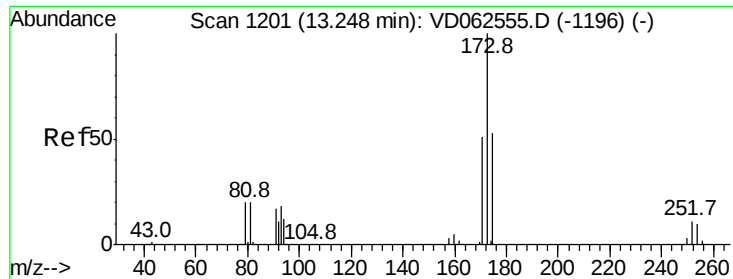
#70
Styrene
Concen: 9.580 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Tgt Ion:104 Resp: 181955
Ion Ratio Lower Upper
104 100
78 49.9 41.5 62.3
103 45.3 36.6 55.0



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: 8.908 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

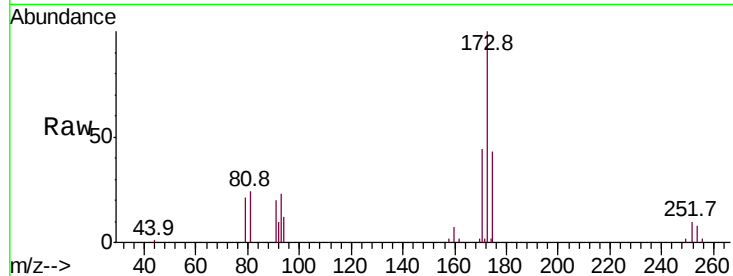
Tot Ion:173 Resp: 54920

Ion Ratio Lower Upper

173 100

175 43.3 26.6 79.7

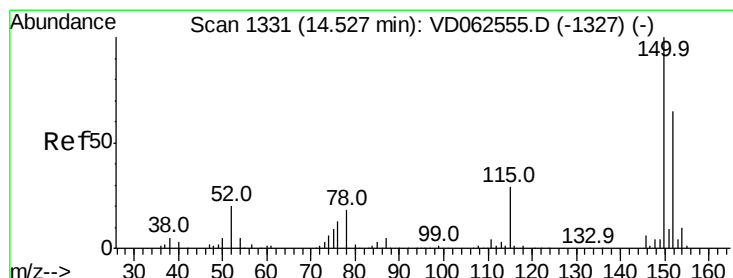
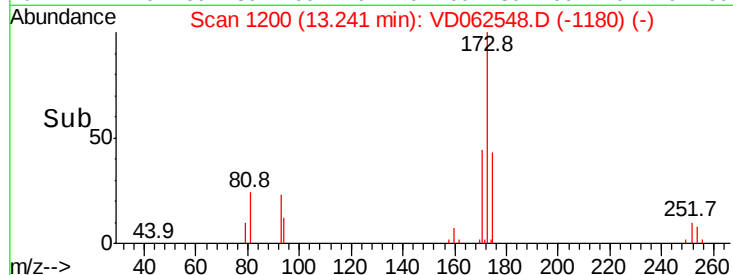
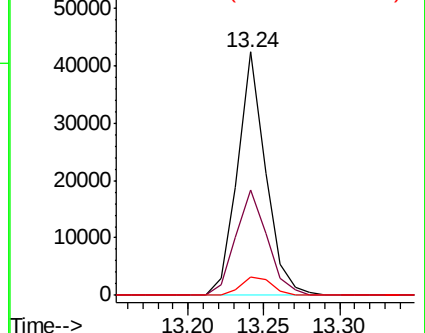
254 7.7 8.1 12.1#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

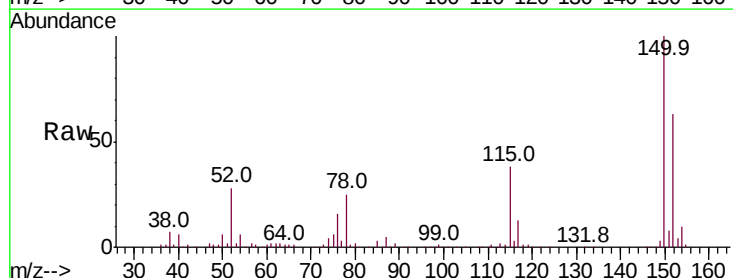
Tgt Ion:152 Resp: 525102

Ion Ratio Lower Upper

152 100

115 60.5 28.4 85.3

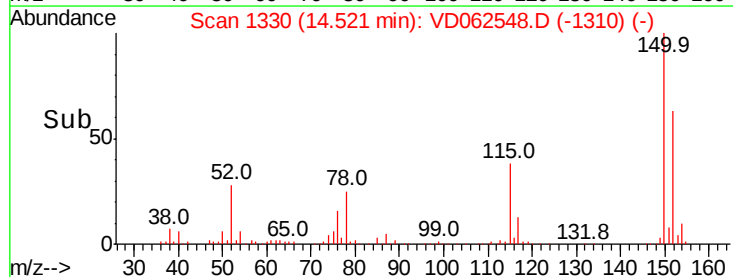
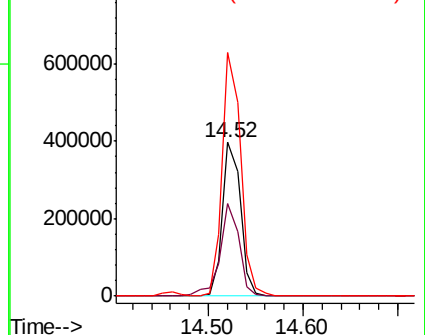
150 158.4 0.0 310.4

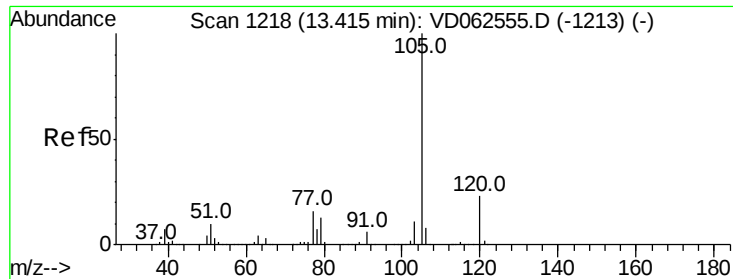


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.463 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampled :

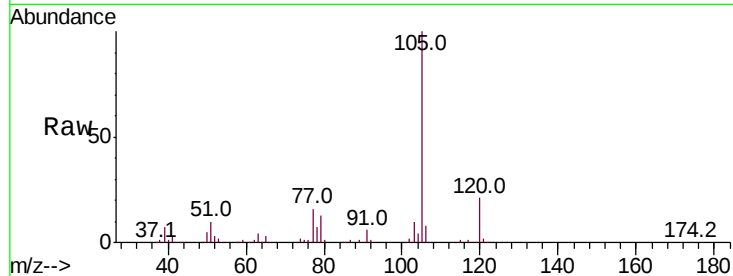
VSTDIC010

Tot Ion:105 Resp: 330384

Ion Ratio Lower Upper

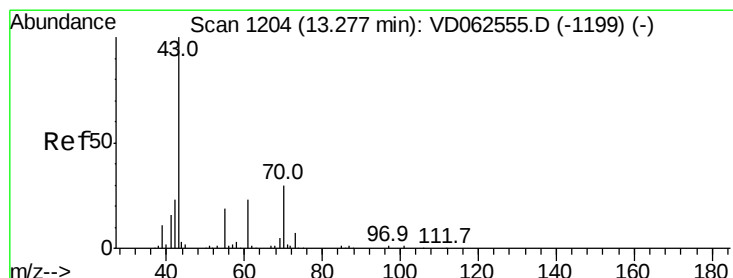
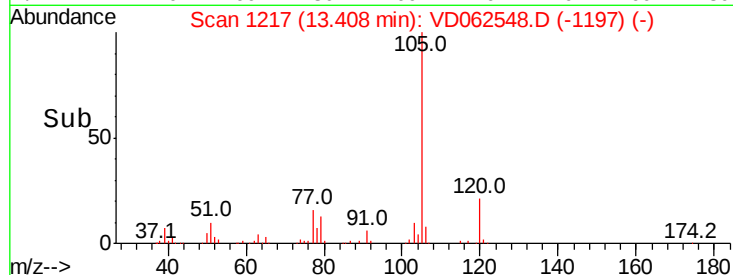
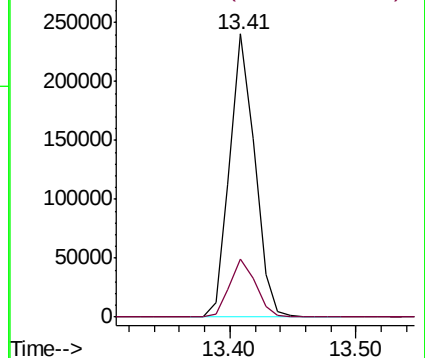
105 100

120 20.5 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 9.154 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Tgt Ion: 43 Resp: 82106

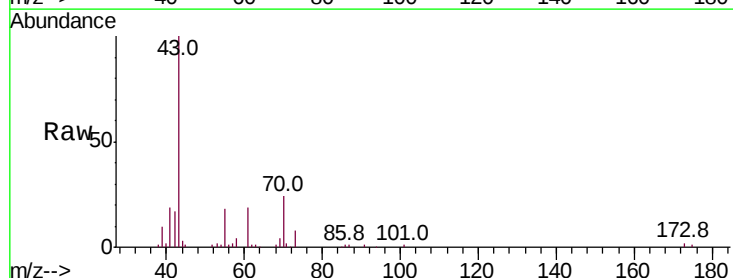
Ion Ratio Lower Upper

43 100

70 24.1 23.7 35.5

55 18.3 15.0 22.4

61 18.8 18.4 27.6

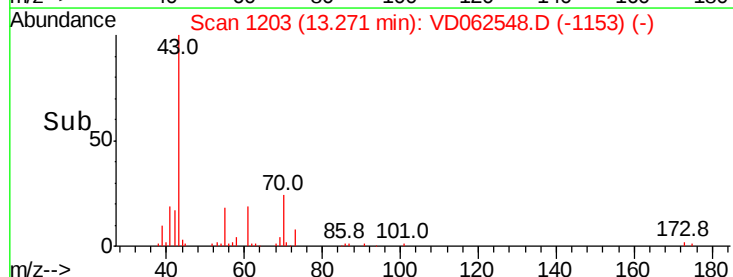
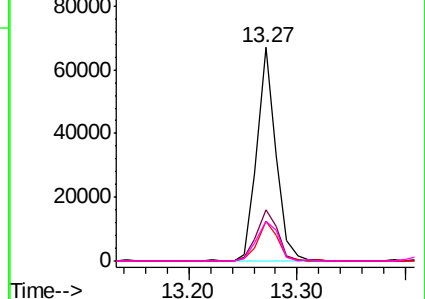


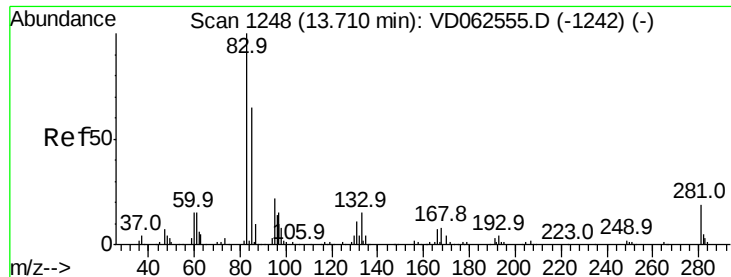
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 9.096 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

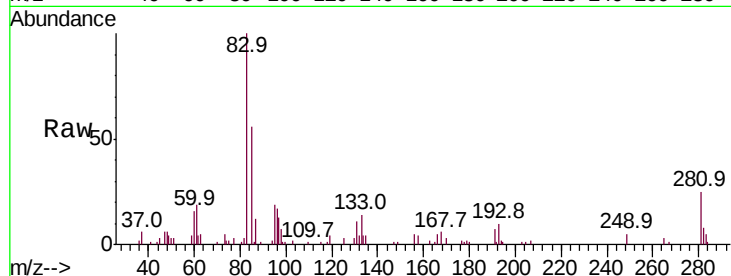
Tot Ion: 83 Resp: 52042

Ion Ratio Lower Upper

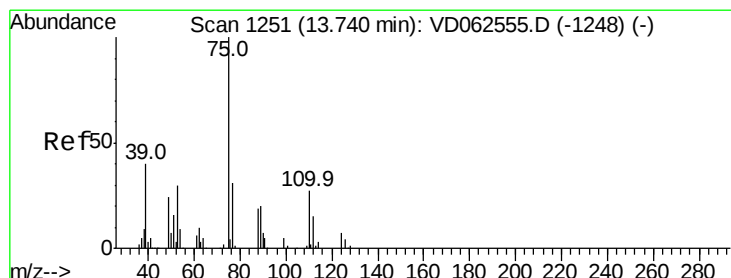
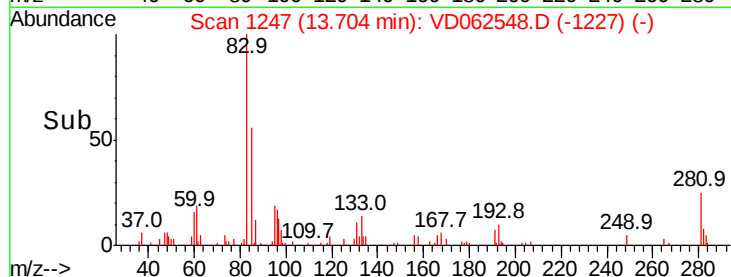
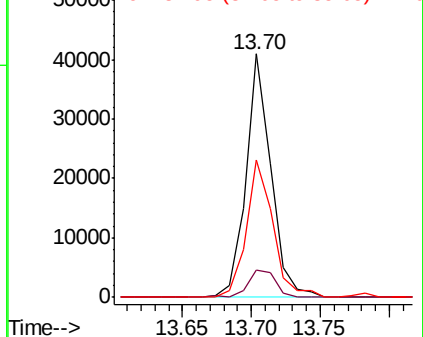
83 100

131 11.4 5.7 17.1

85 56.4 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 8.810 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD062548.D

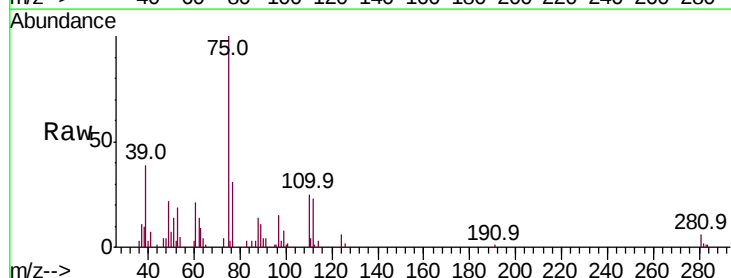
Acq: 30 May 2019 12:06

Tgt Ion: 75 Resp: 58413

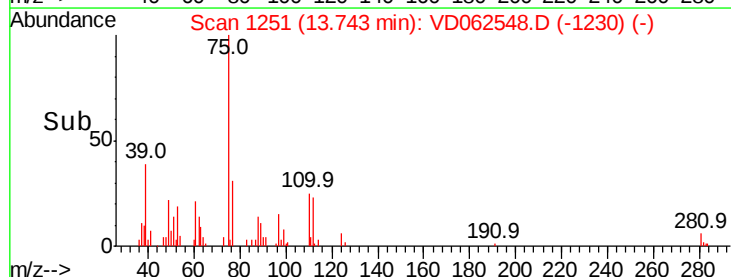
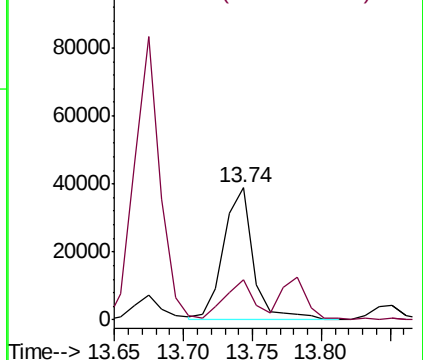
Ion Ratio Lower Upper

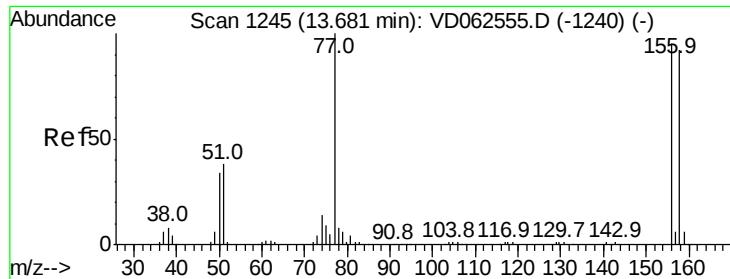
75 100

77 30.6 16.5 49.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 8.602 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

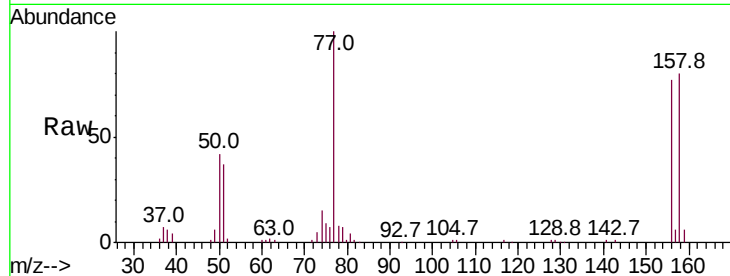
Tot Ion:156 Resp: 84069

Ion Ratio Lower Upper

156 100

77 130.2 52.9 158.7

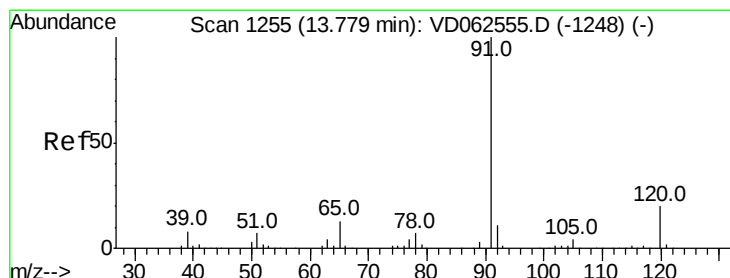
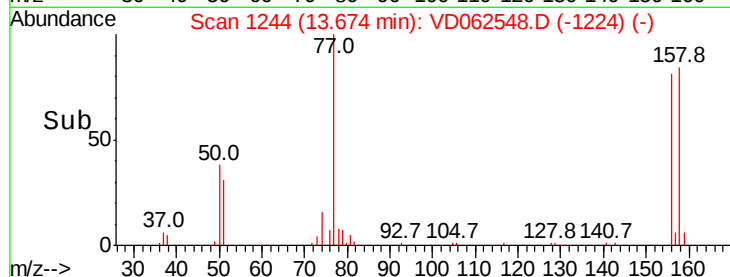
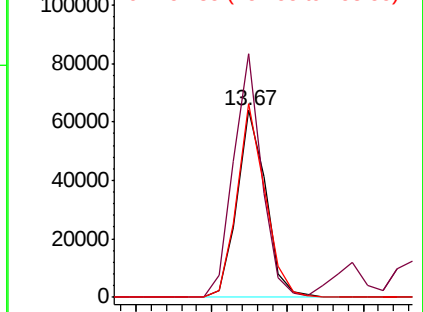
158 103.6 48.5 145.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 8.920 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062548.D

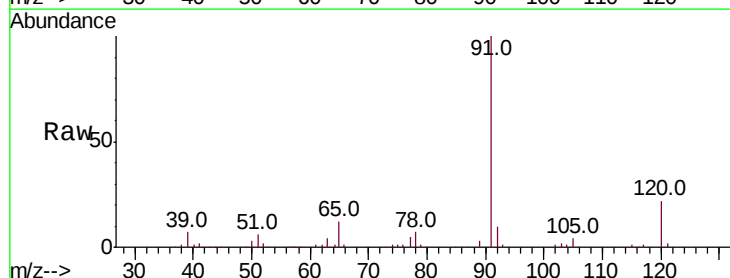
Acq: 30 May 2019 12:06

Tgt Ion: 91 Resp: 362925

Ion Ratio Lower Upper

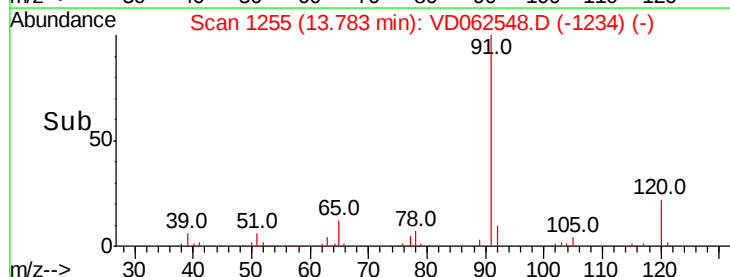
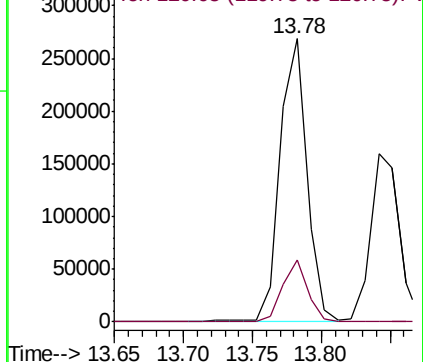
91 100

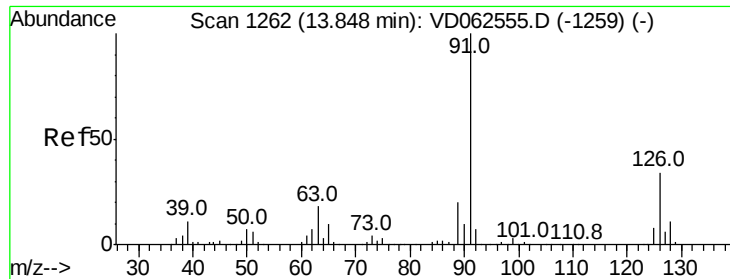
120 21.8 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

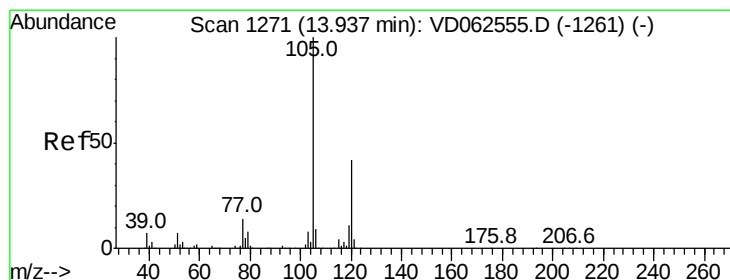
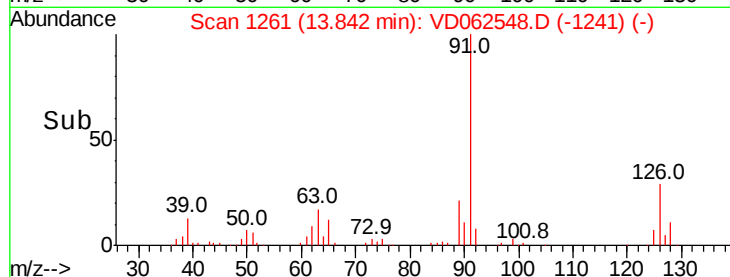
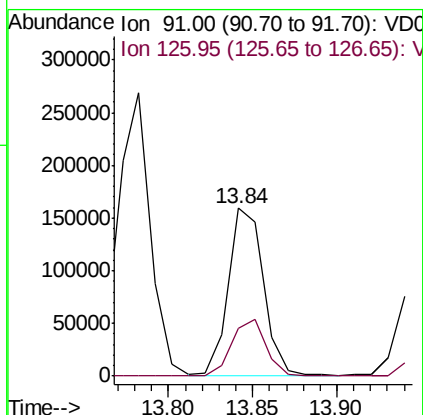
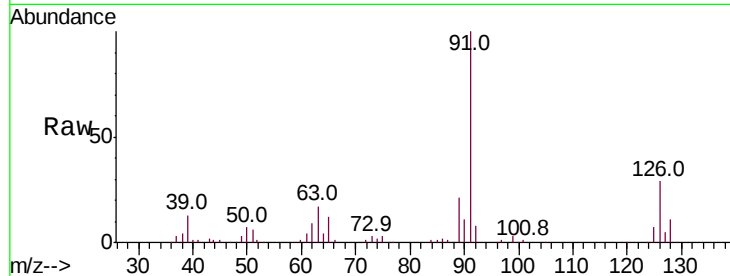




#79
 2-Chlorotoluene
 Concen: 9.676 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

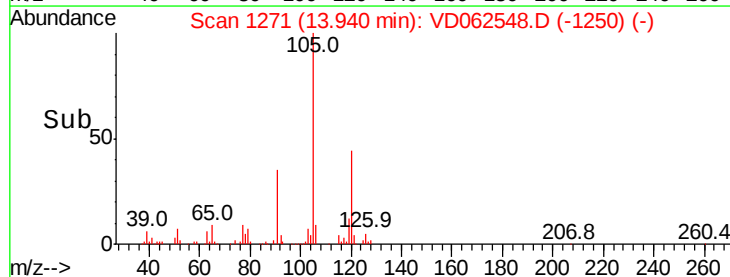
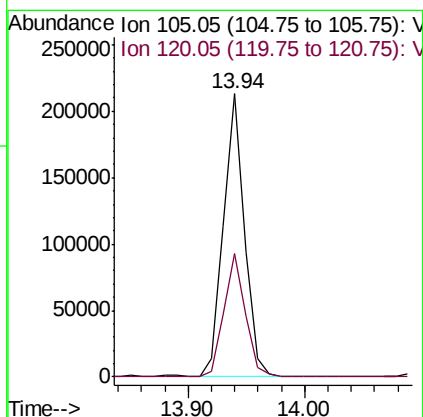
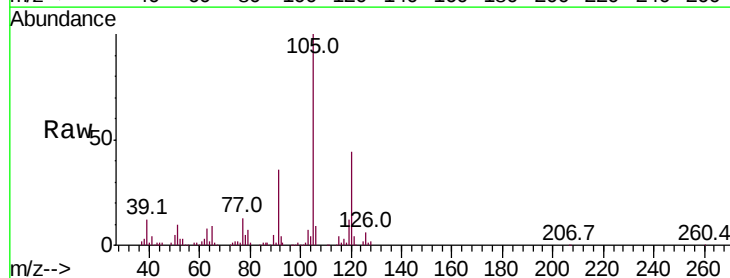
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

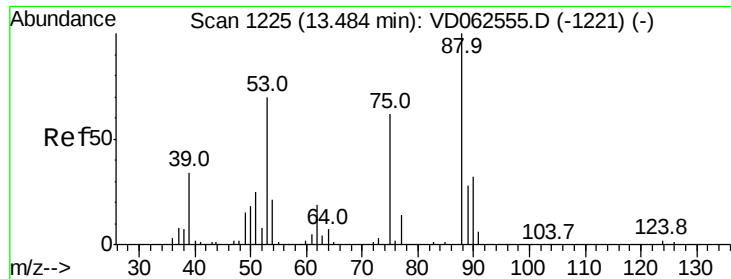
Tot Ion: 91 Resp: 230483
 Ion Ratio Lower Upper
 91 100
 126 28.6 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 8.822 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Tgt Ion:105 Resp: 267154
 Ion Ratio Lower Upper
 105 100
 120 43.7 20.8 62.5

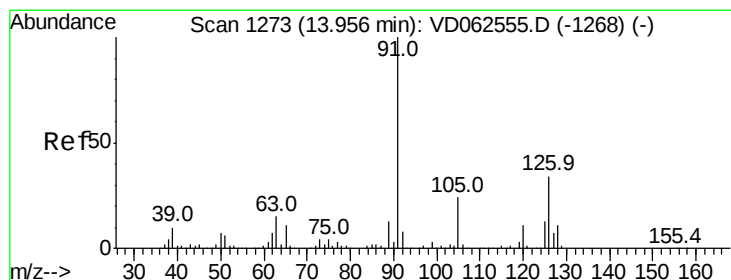
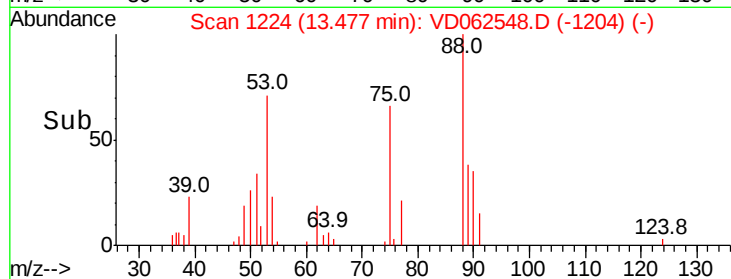
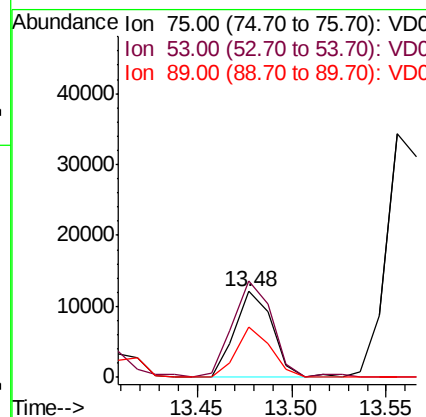
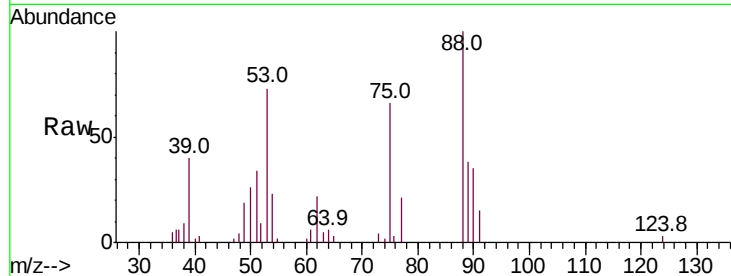




#81
trans-1,4-Dichloro-2-butene
Concen: 9.249 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

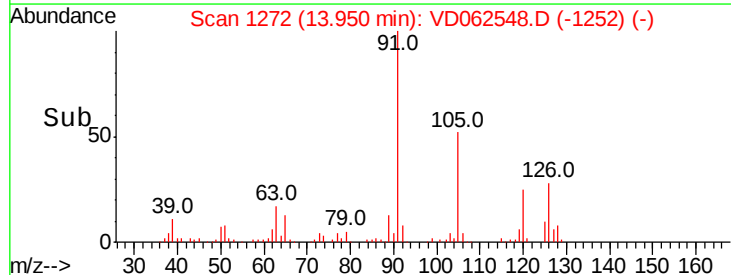
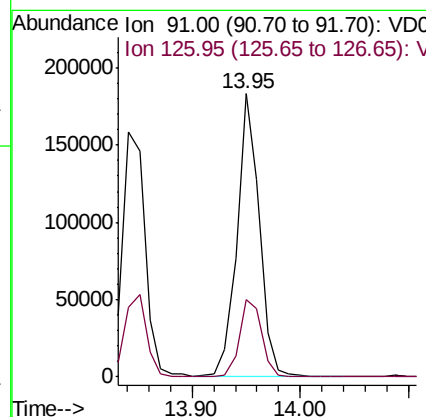
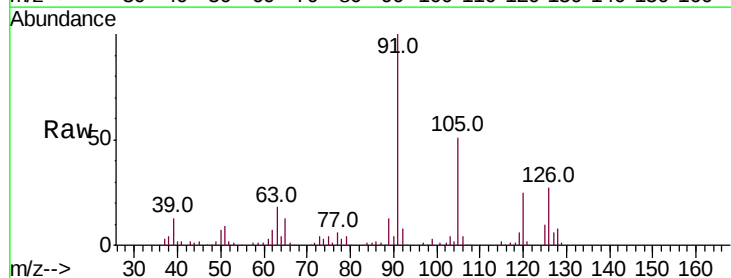
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

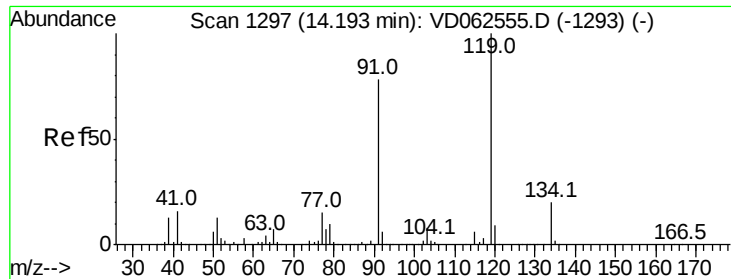
Tot Ion: 75 Resp: 16590
Ion Ratio Lower Upper
75 100
53 111.8 91.0 136.4
89 57.9 36.9 55.3#



#82
4-Chlorotoluene
Concen: 9.169 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Tgt Ion: 91 Resp: 262636
Ion Ratio Lower Upper
91 100
126 27.4 16.9 50.7





#83

tert-Butylbenzene

Concen: 9.190 ug/l

RT: 14.20 min Scan# 1297

Delta R.T. 0.00 min

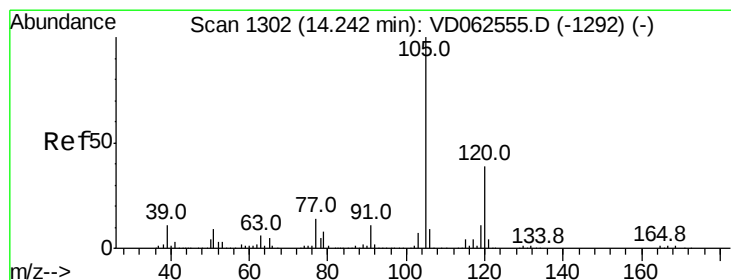
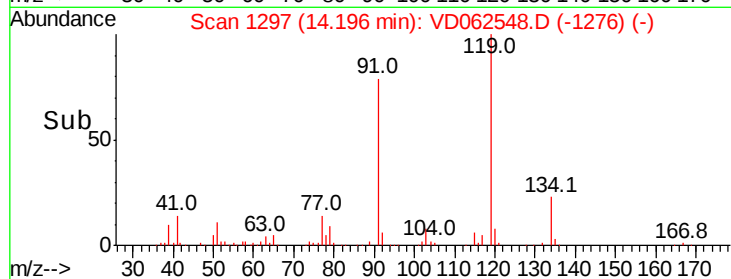
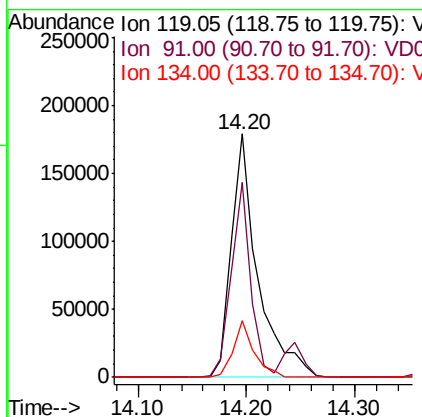
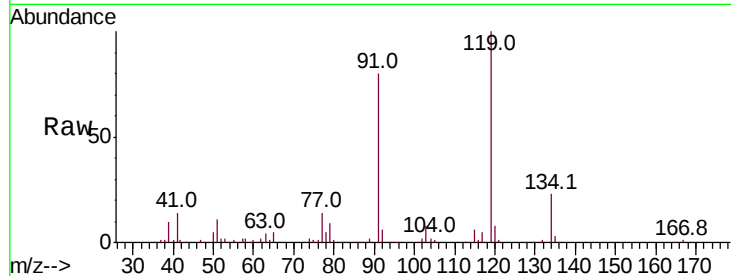
Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:119 Resp: 306188

Ion	Ratio	Lower	Upper
119	100		
91	80.0	39.1	117.5
134	23.4	10.1	30.3



#84

1,2,4-Trimethylbenzene

Concen: 9.179 ug/l

RT: 14.25 min Scan# 1302

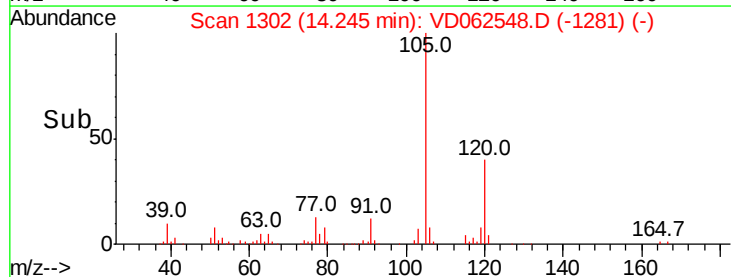
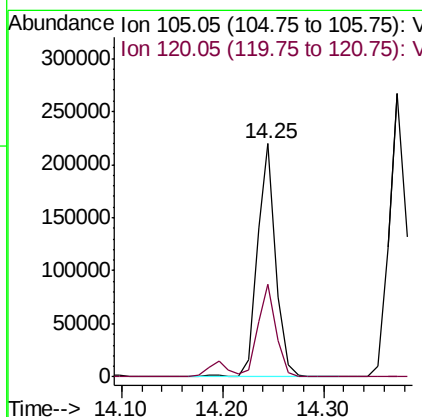
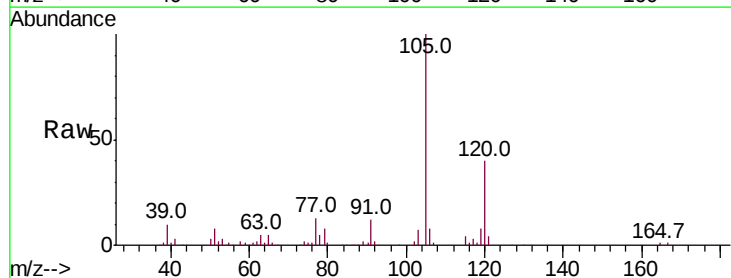
Delta R.T. 0.00 min

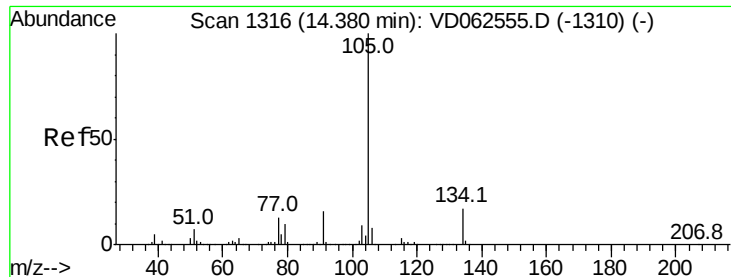
Lab File: VD062548.D

Acq: 30 May 2019 12:06

Tgt Ion:105 Resp: 277918

Ion	Ratio	Lower	Upper
105	100		
120	39.6	19.6	58.8





#85

sec-Butylbenzene

Concen: 9.194 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

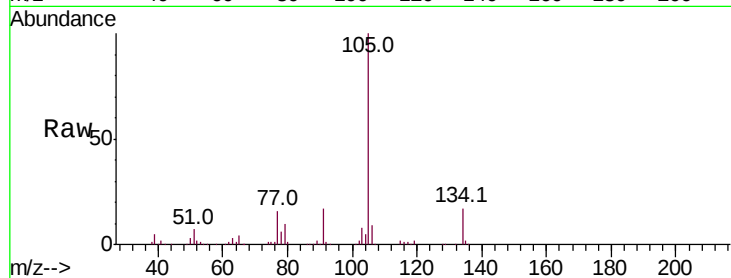
VSTDIC010

Tot Ion:105 Resp: 326664

Ion Ratio Lower Upper

105 100

134 16.7 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

250000

200000

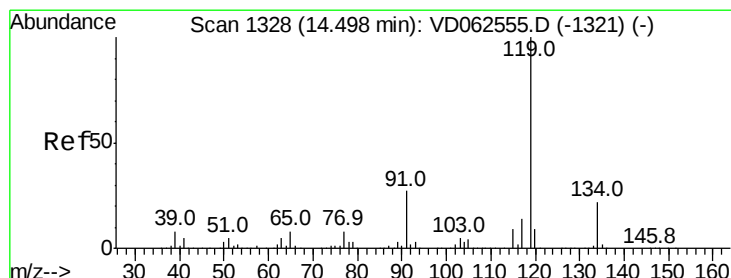
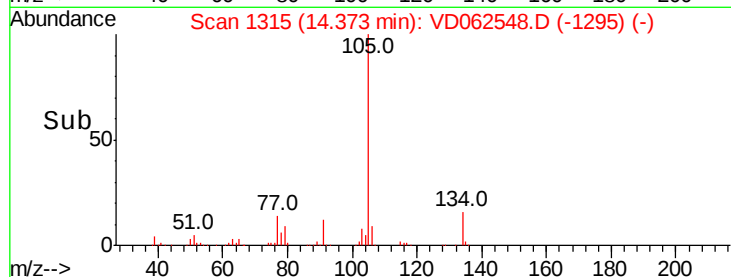
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 9.267 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

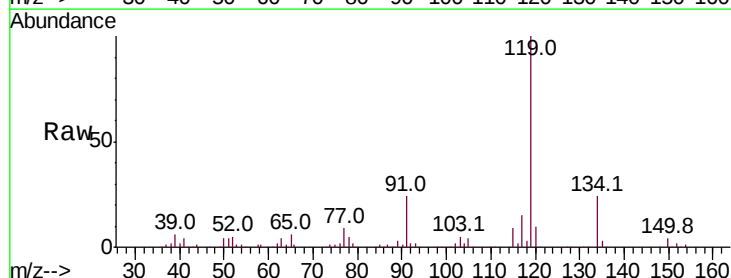
Tgt Ion:119 Resp: 309674

Ion Ratio Lower Upper

119 100

134 23.8 11.2 33.6

91 23.8 13.6 40.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.50

250000

200000

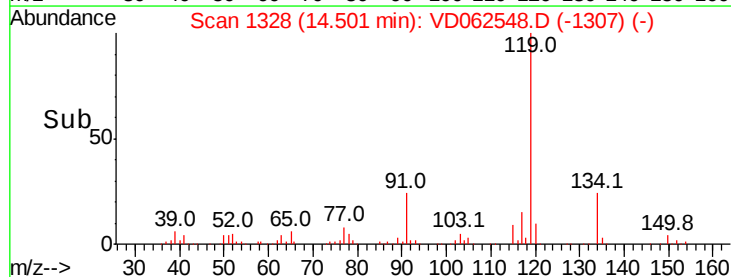
150000

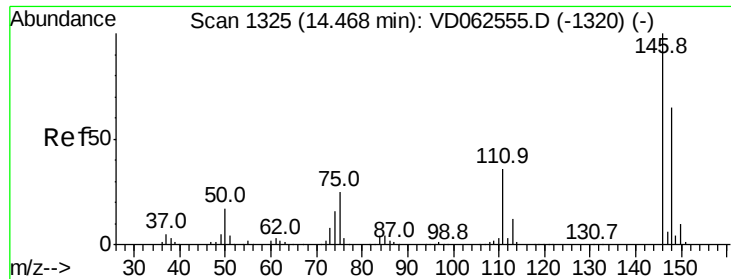
100000

50000

0

Time-->

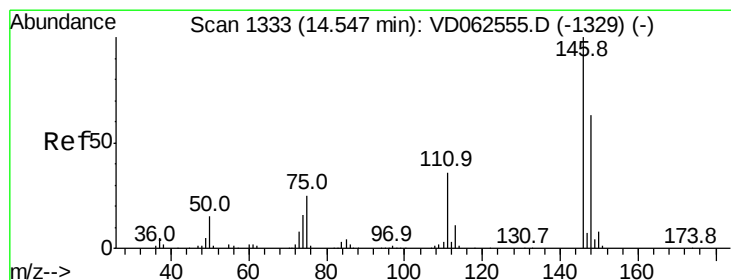
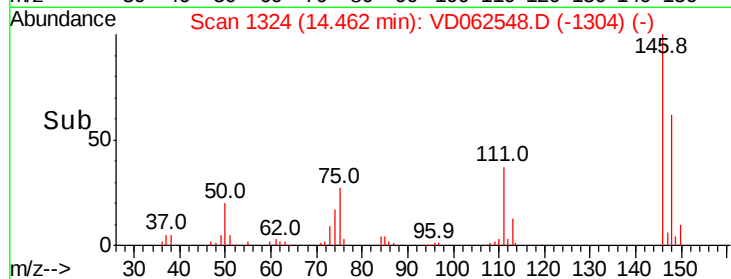
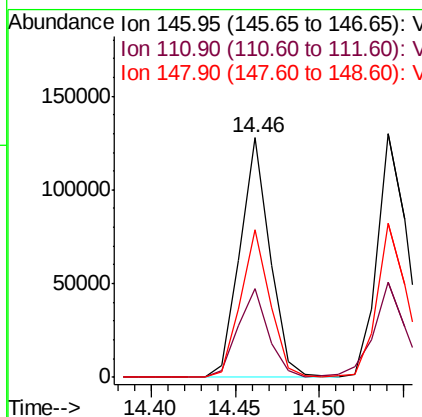
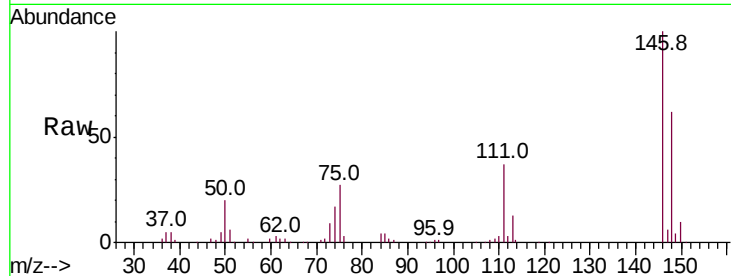




#87
 1,3-Dichlorobenzene
 Concen: 9.265 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

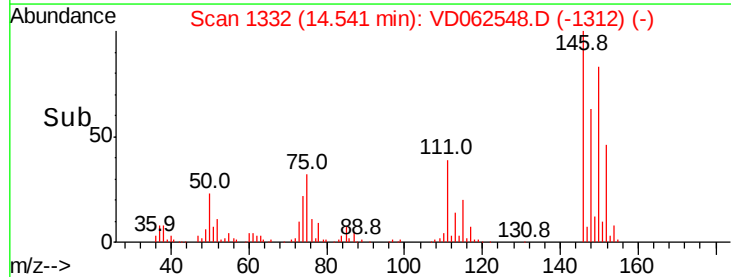
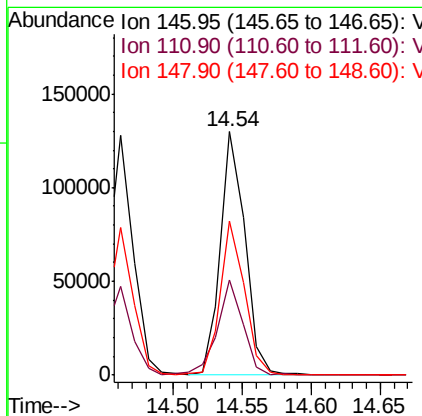
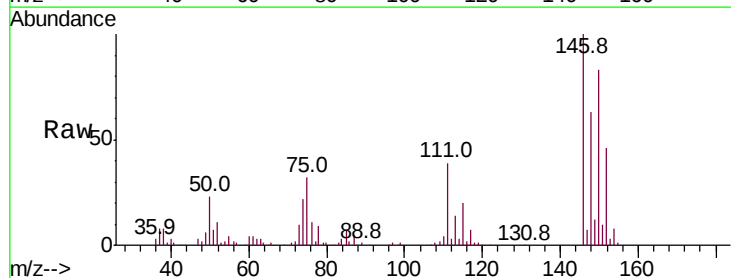
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

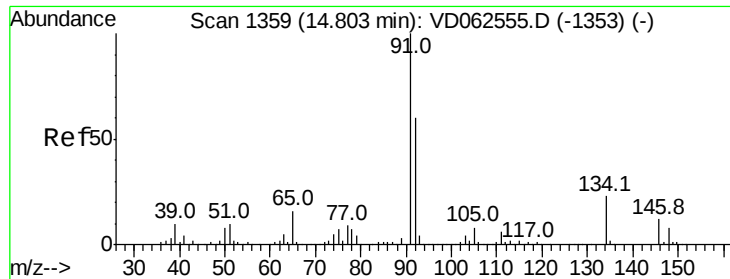
Tot Ion:146 Resp: 158074
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.4
 148 61.8 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 9.557 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Tgt Ion:146 Resp: 159906
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.2 54.6
 148 63.2 31.6 94.8

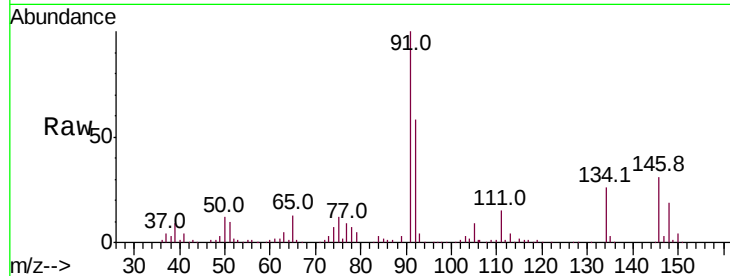




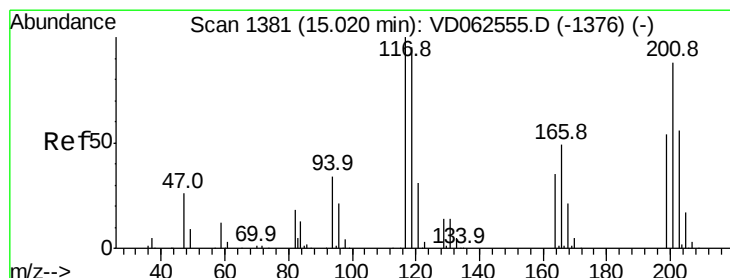
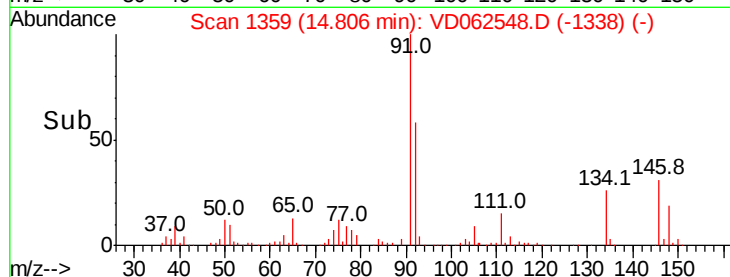
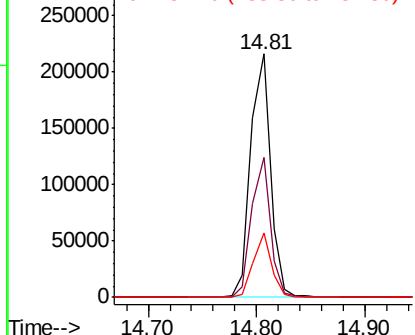
#89
n-Butylbenzene
Concen: 9.110 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 277002
Ion Ratio Lower Upper
91 100
92 57.7 29.8 89.4
134 26.4 11.3 33.8

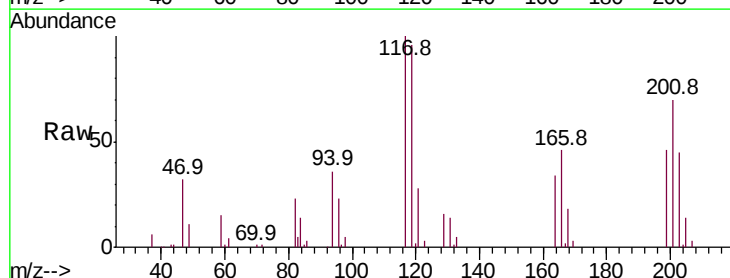


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

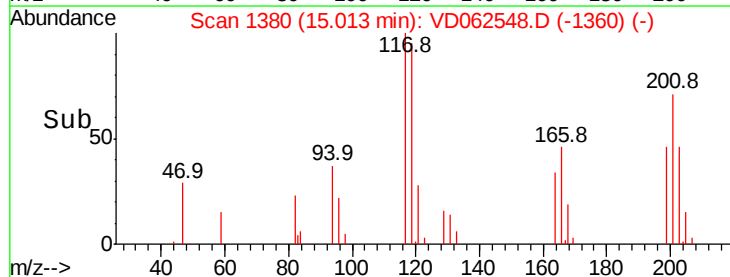
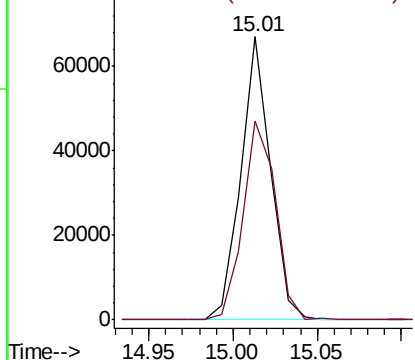


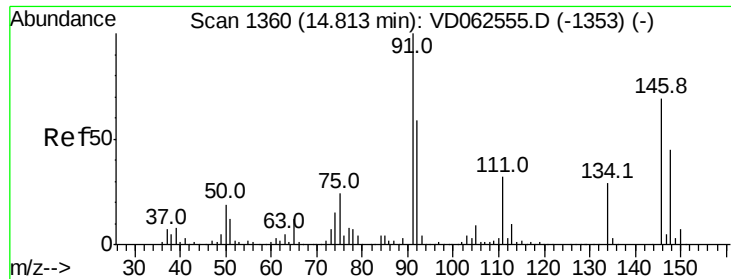
#90
Hexachloroethane
Concen: 9.156 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD062548.D
Acq: 30 May 2019 12:06

Tgt Ion: 117 Resp: 81769
Ion Ratio Lower Upper
117 100
201 70.0 43.8 131.4



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

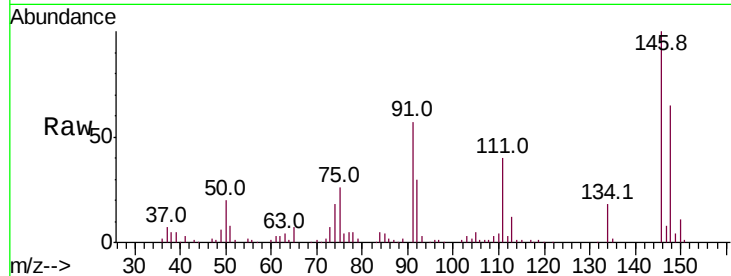




#91
 1,2-Dichlorobenzene
 Concen: 9.348 ug/l
 RT: 14.82 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	22.8	68.4
148	64.5	32.3	96.9

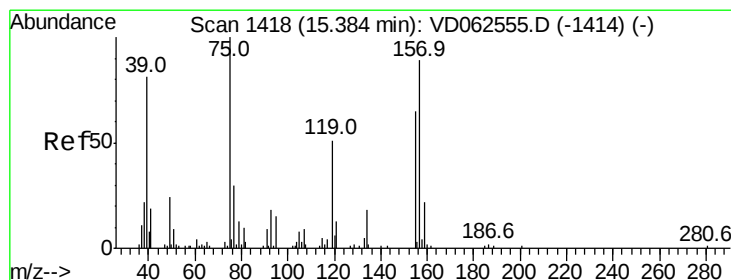
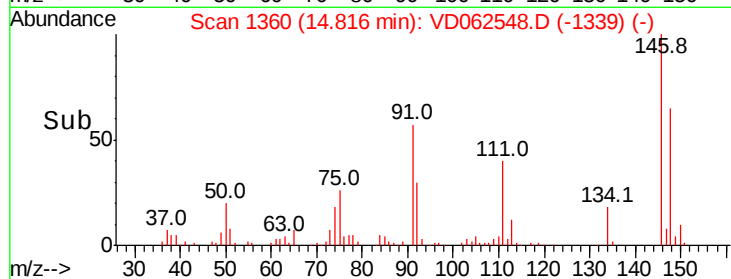
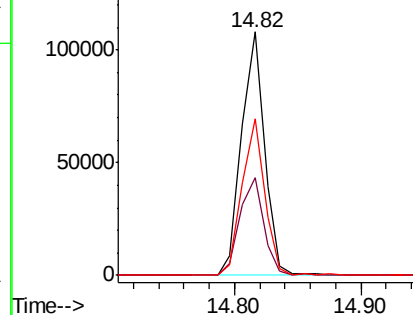


Abundance

Ion 145.95 (145.65 to 146.65): V

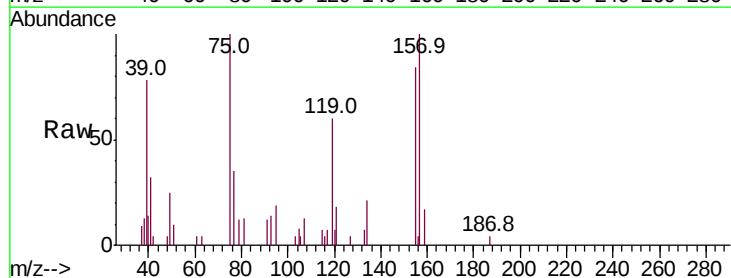
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.386 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	32.6	97.8
157	100.2	44.5	133.7

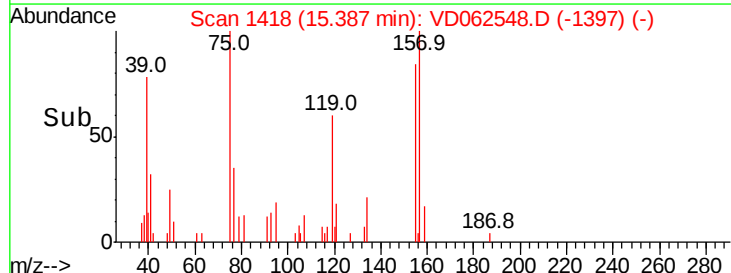
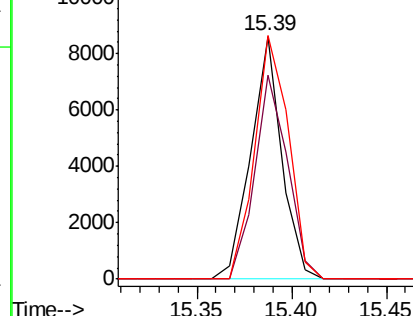


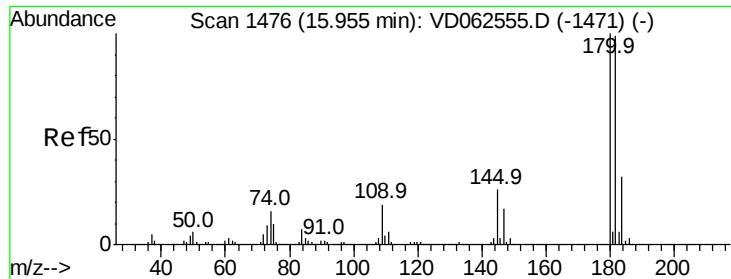
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

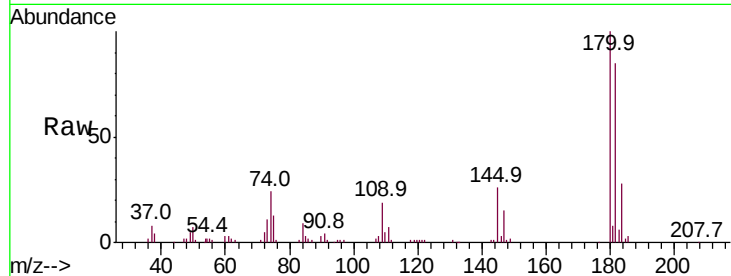




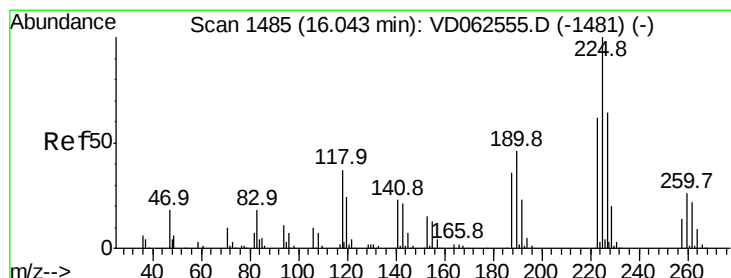
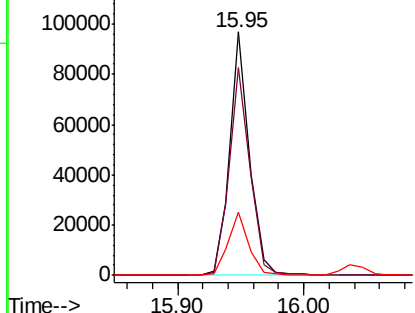
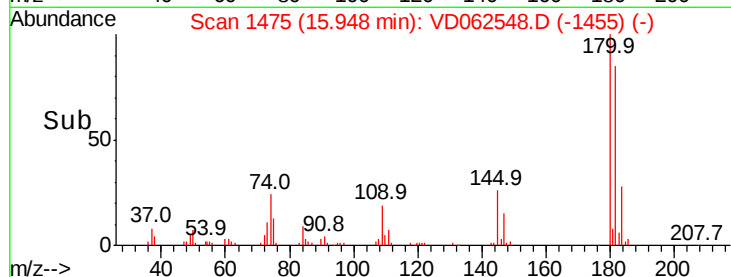
#93
 1,2,4-Trichlorobenzene
 Concen: 9.273 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 104071
 Ion Ratio Lower Upper
 180 100
 182 85.4 49.5 148.3
 145 26.0 13.1 39.3

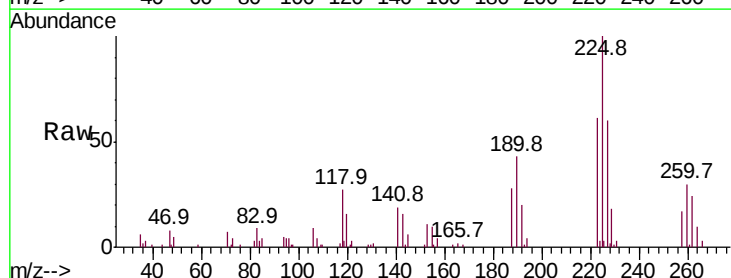


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

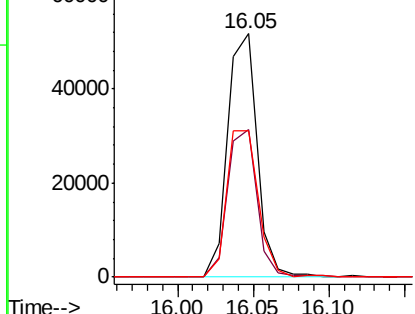
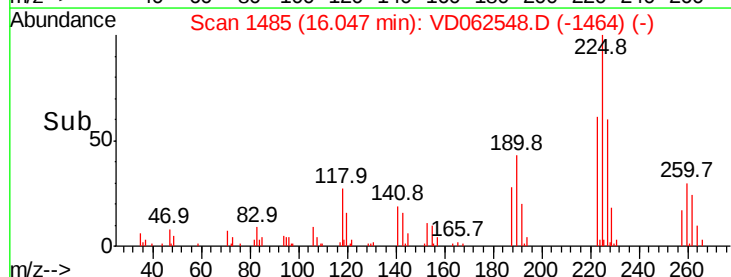


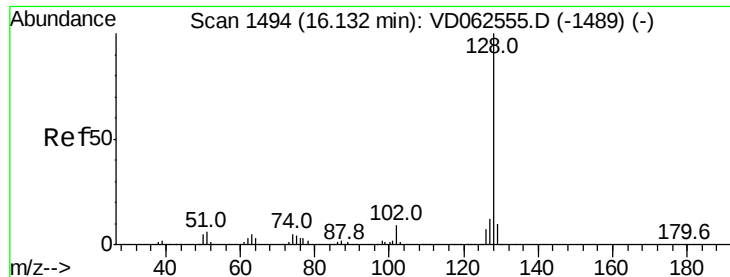
#94
 Hexachlorobutadiene
 Concen: 8.495 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD062548.D
 Acq: 30 May 2019 12:06

Tgt Ion:225 Resp: 69933
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.1 93.5
 227 60.3 32.1 96.5



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





#95

Naphthalene

Concen: 8.954 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

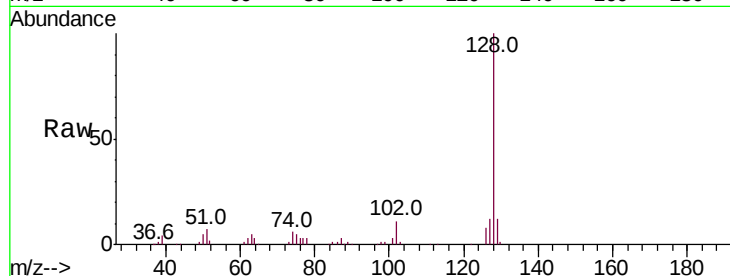
Tot Ion:128 Resp: 141856

Ion Ratio Lower Upper

128 100

127 12.1 9.7 14.5

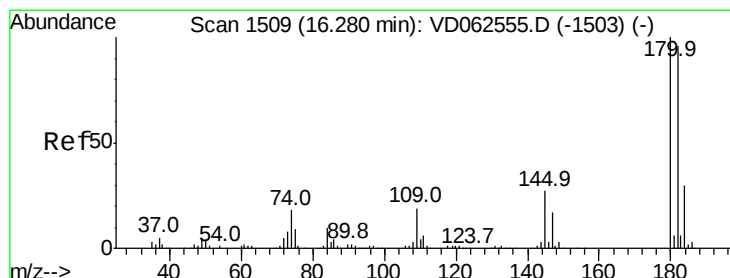
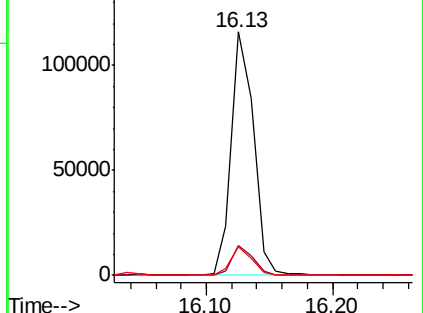
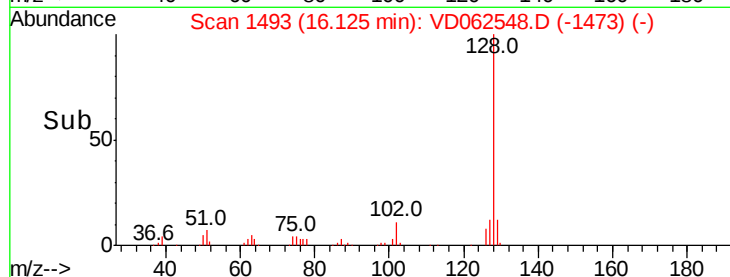
129 12.3 8.2 12.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 8.822 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD062548.D

Acq: 30 May 2019 12:06

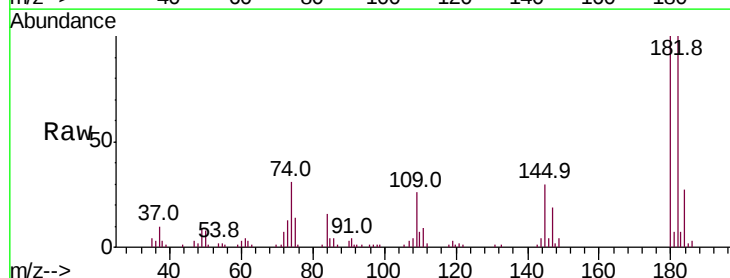
Tgt Ion:180 Resp: 74655

Ion Ratio Lower Upper

180 100

182 99.6 48.1 144.3

145 30.0 13.3 39.9



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

