

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064561.D
 Acq On : 23 Dec 2019 11:47
 Operator : VA/SY
 Sample : VD1223SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

Quant Time: Dec 24 05:52:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	406640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	592767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	532328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184510	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.91	113	193442	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.34	98	715997	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.64	95	231381	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	73941	20.068	ug/l	100
3) Chloromethane	2.21	50	98335	21.160	ug/l	98
4) Vinyl Chloride	2.35	62	118320	22.051	ug/l	97
5) Bromomethane	2.76	94	79707	20.087	ug/l	96
6) Chloroethane	2.92	64	78414	21.864	ug/l	98
7) Trichlorofluoromethane	3.27	101	202481	22.699	ug/l	100
8) Diethyl Ether	3.71	74	37615	20.293	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	83876	21.930	ug/l	98
10) Methyl Iodide	4.30	142	81048	20.066	ug/l	99
11) Tert butyl alcohol	5.24	59	25439	108.577	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	78206	21.337	ug/l	94
13) Acrolein	3.92	56	24044	75.238	ug/l	95
14) Allyl chloride	4.70	41	123601	21.608	ug/l	99
15) Acrylonitrile	5.43	53	79597	98.200	ug/l	98
16) Acetone	4.17	43	72247	97.133	ug/l	97
17) Carbon Disulfide	4.40	76	234852	20.231	ug/l	98
18) Methyl Acetate	4.72	43	42691	19.677	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	169402	20.149	ug/l	98
20) Methylene Chloride	4.96	84	92554	22.000	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	88425	21.328	ug/l	94
22) Diisopropyl ether	6.37	45	240051	21.258	ug/l	95
23) Vinyl Acetate	6.31	43	675379	101.452	ug/l	100
24) 1,1-Dichloroethane	6.27	63	149219	21.973	ug/l	98
25) 2-Butanone	7.22	43	100773	95.803	ug/l	98
26) 2,2-Dichloropropane	7.21	77	140418	23.776	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	94564	20.921	ug/l	94
28) Bromochloromethane	7.55	49	39572	17.051	ug/l	98
29) Tetrahydrofuran	7.57	42	64344	96.146	ug/l	97
30) Chloroform	7.71	83	152542	21.689	ug/l	96
31) Cyclohexane	7.98	56	142924	21.490	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	146798	22.513	ug/l	99
36) 1,1-Dichloropropene	8.11	75	123507	22.028	ug/l	98
37) Ethyl Acetate	7.30	43	45485	19.119	ug/l	99
38) Carbon Tetrachloride	8.10	117	133435	22.549	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147864	21.260	ug/l	94
40) Benzene	8.35	78	332975	21.382	ug/l	100
41) Methacrylonitrile	7.53	41	22757	16.680	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	97463	21.461	ug/l	99
43) Isopropyl Acetate	8.46	43	92630	19.802	ug/l	99
44) Trichloroethene	9.11	130	100264	21.375	ug/l	92
45) 1,2-Dichloropropane	9.39	63	81711	21.940	ug/l	94
46) Dibromomethane	9.47	93	42619	20.276	ug/l	99
47) Bromodichloromethane	9.67	83	117556	21.766	ug/l	97
48) Methyl methacrylate	9.46	41	40049	18.710	ug/l	99
49) 1,4-Dioxane	9.47	88	10110	389.504	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	225244	97.319	ug/l	99
52) Toluene	10.40	92	213802	21.067	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	108750	21.128	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	131449	21.497	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	59755	20.761	ug/l	99
56) Ethyl methacrylate	10.66	69	71759	19.548	ug/l	98
57) 1,3-Dichloropropane	10.95	76	102771	20.976	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	167989	114.795	ug/l	99
59) 2-Hexanone	10.98	43	151591	94.391	ug/l	99
60) Dibromochloromethane	11.14	129	80828	20.712	ug/l	99
61) 1,2-Dibromoethane	11.25	107	56070	19.511	ug/l	97
64) Tetrachloroethene	10.88	164	84663	20.856	ug/l	96
65) Chlorobenzene	11.67	112	234035	21.079	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	85779	20.870	ug/l	99
67) Ethyl Benzene	11.75	91	416248	21.071	ug/l	98
68) m/p-Xylenes	11.86	106	318813	42.328	ug/l	100
69) o-Xylene	12.18	106	144892	20.829	ug/l	99
70) Styrene	12.20	104	251040	20.767	ug/l	98
71) Bromoform	12.37	173	48743	19.822	ug/l #	99
73) Isopropylbenzene	12.48	105	399316	20.982	ug/l	99
74) N-amyl acetate	12.30	43	80749	18.694	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	62809	19.957	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	82950	38.118	ug/l #	100
77) Bromobenzene	12.77	156	95953	20.416	ug/l	97
78) n-propylbenzene	12.83	91	465468	21.197	ug/l	99
79) 2-Chlorotoluene	12.91	91	251085	20.780	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	324233	20.847	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20760	20.802	ug/l	93
82) 4-Chlorotoluene	13.01	91	272822	21.326	ug/l	99
83) tert-Butylbenzene	13.23	119	288438	21.332	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	324695	20.762	ug/l	99
85) sec-Butylbenzene	13.41	105	394999	21.285	ug/l	99
86) p-Isopropyltoluene	13.53	119	374163	21.356	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	182016	20.405	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	183509	20.837	ug/l	99
89) n-Butylbenzene	13.85	91	337645	21.222	ug/l	98
90) Hexachloroethane	14.12	117	73712	22.495	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	156666	20.551	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10326	19.265	ug/l	90

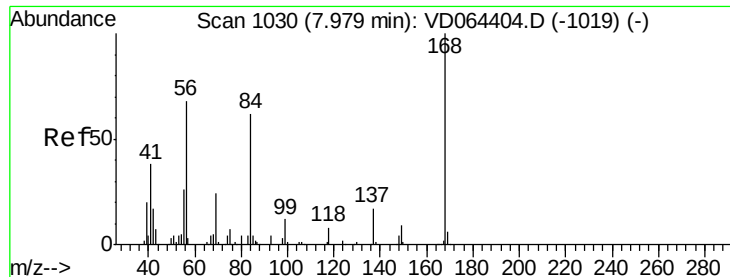
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122319\
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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	120249	20.597	ug/l	98
94) Hexachlorobutadiene	15.28	225	76214	21.146	ug/l	97
95) Naphthalene	15.41	128	180054	18.480	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	98211	19.707	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

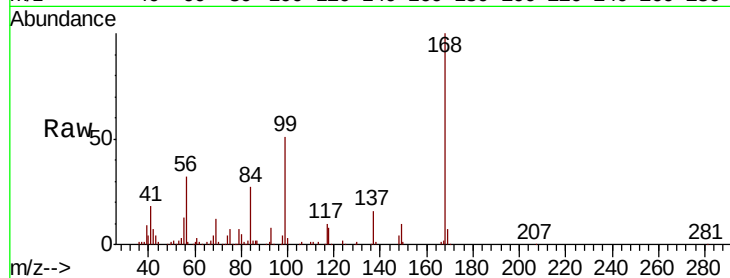
VD1223SBS01

Tot Ion:168 Resp: 406640

Ion Ratio Lower Upper

168 100

99 51.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

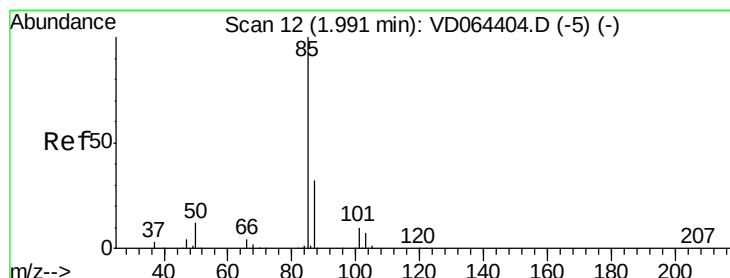
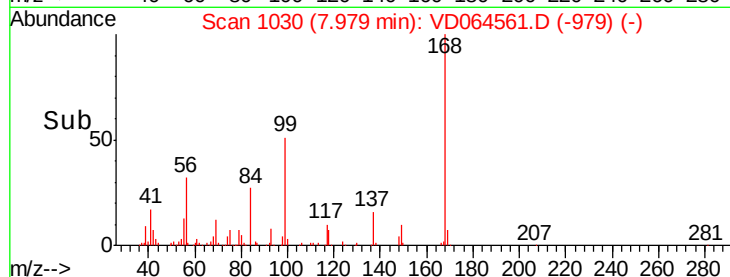
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.068 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064561.D

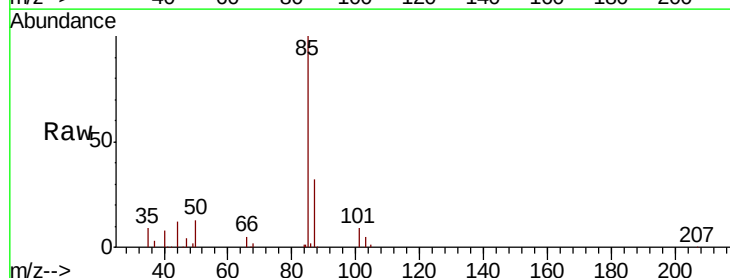
Acq: 23 Dec 2019 11:47

Tgt Ion: 85 Resp: 73941

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

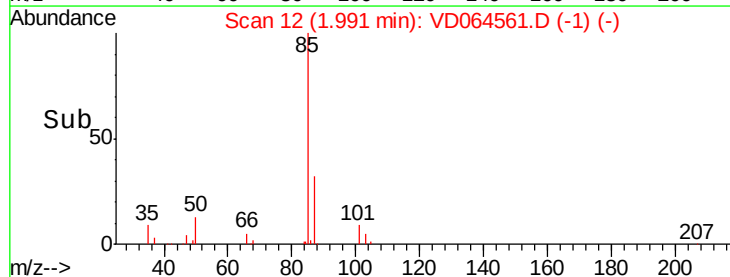
20000

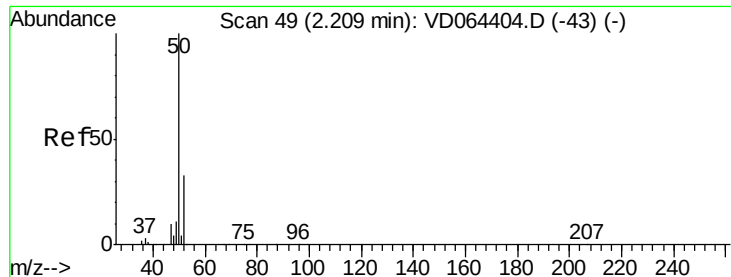
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.160 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

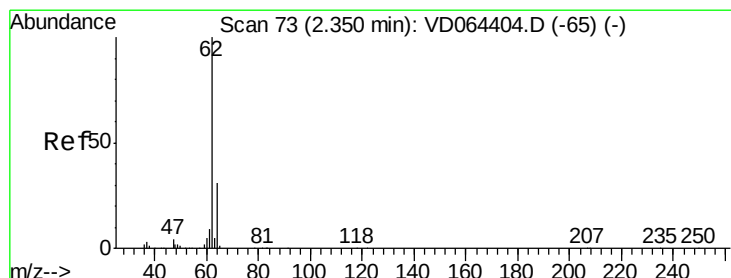
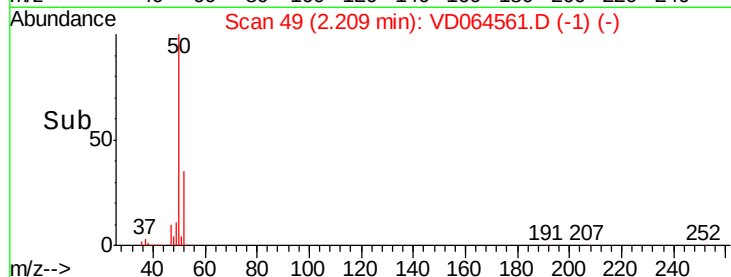
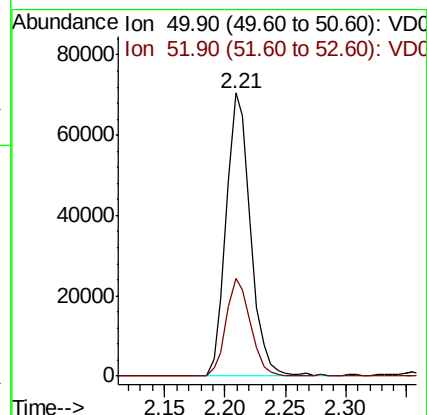
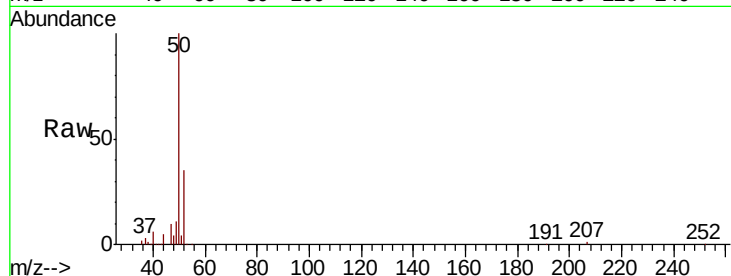
VD1223SBS01

Tot Ion: 50 Resp: 98335

Ion Ratio Lower Upper

50 100

52 34.6 26.7 40.1



#4

Vinyl Chloride

Concen: 22.051 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064561.D

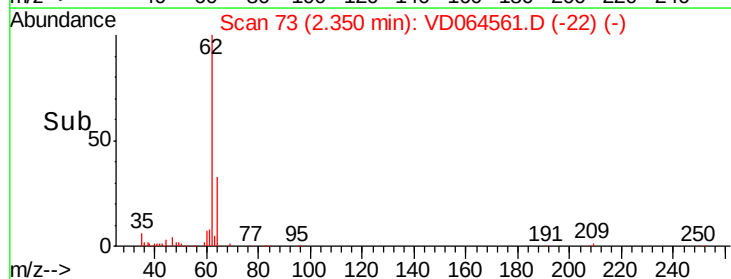
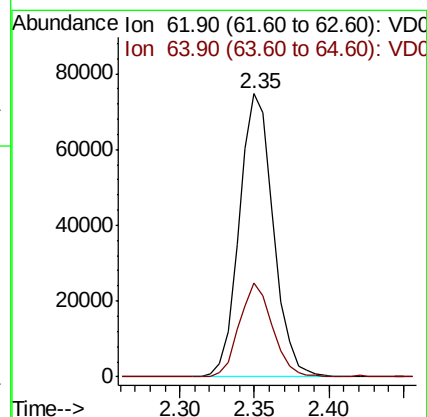
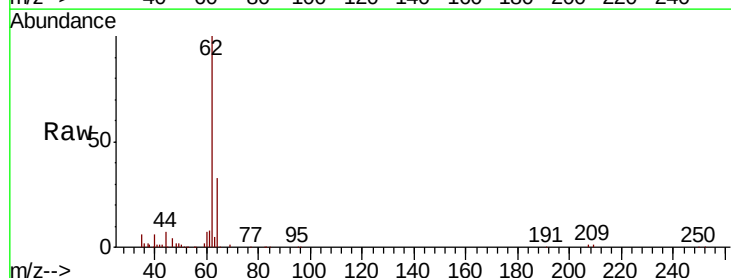
Acq: 23 Dec 2019 11:47

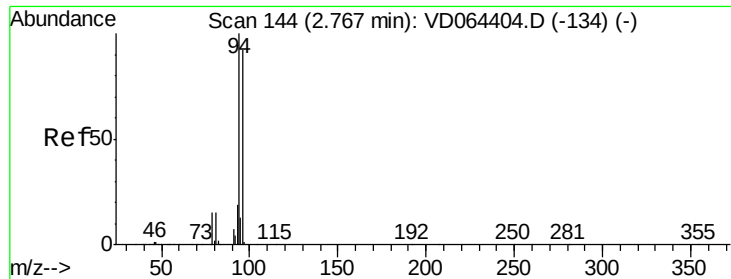
Tgt Ion: 62 Resp: 118320

Ion Ratio Lower Upper

62 100

64 33.1 25.0 37.4





#5

Bromomethane

Concen: 20.087 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

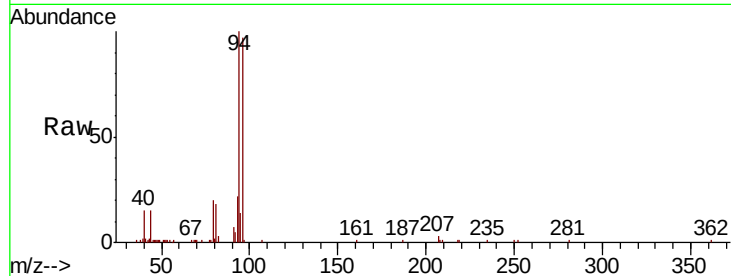
VD1223SBS01

Tot Ion: 94 Resp: 79707

Ion Ratio Lower Upper

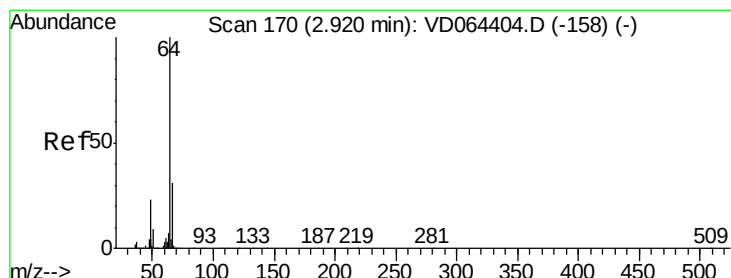
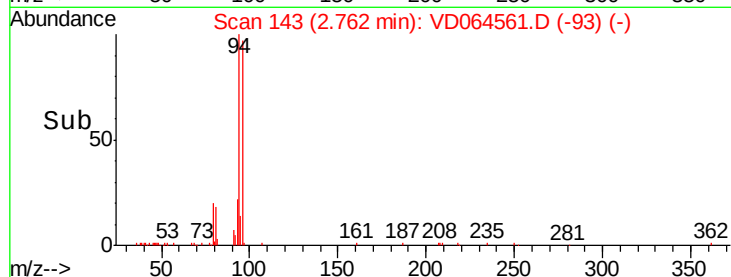
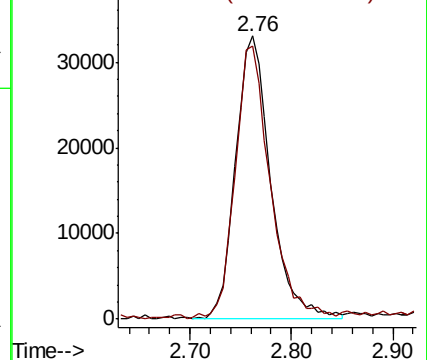
94 100

96 96.1 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.864 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064561.D

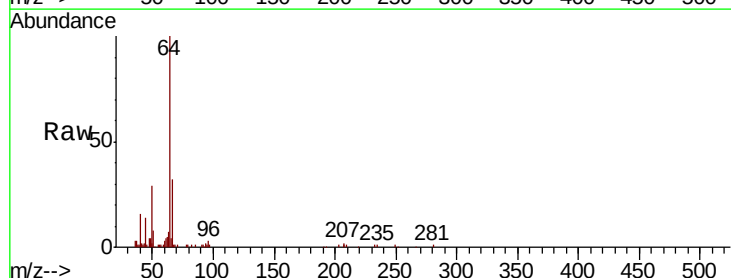
Acq: 23 Dec 2019 11:47

Tgt Ion: 64 Resp: 78414

Ion Ratio Lower Upper

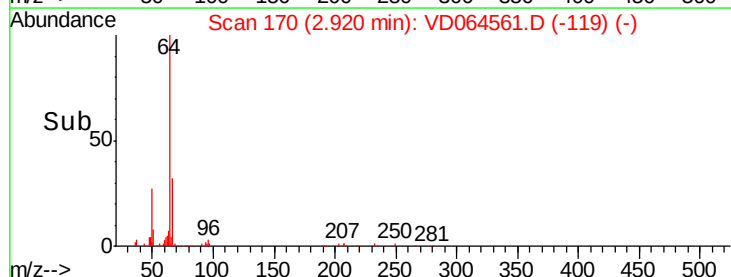
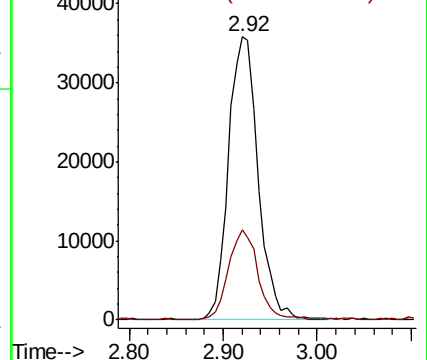
64 100

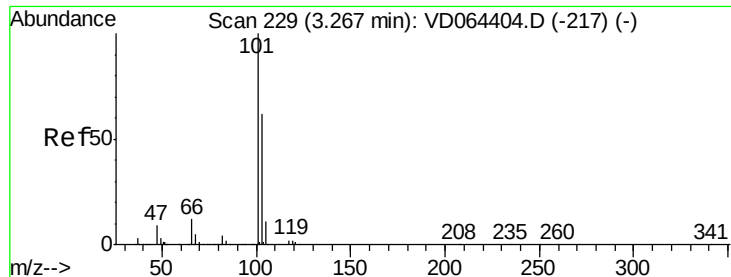
66 31.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



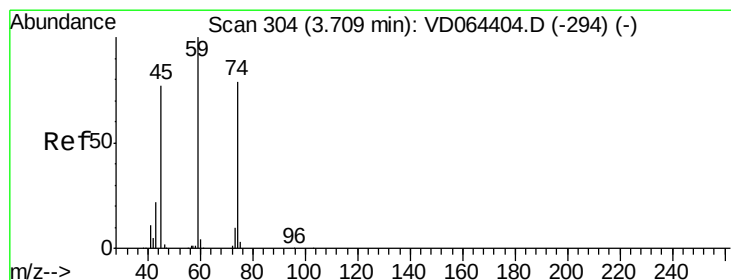
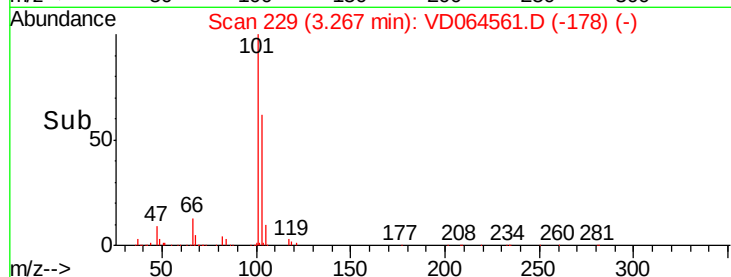
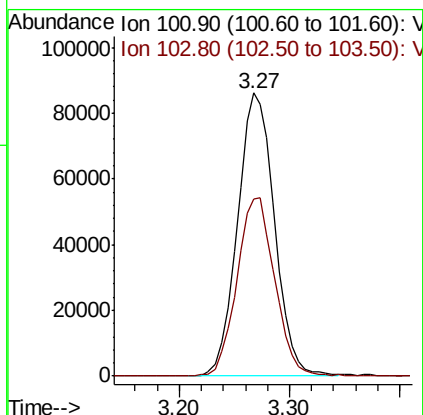
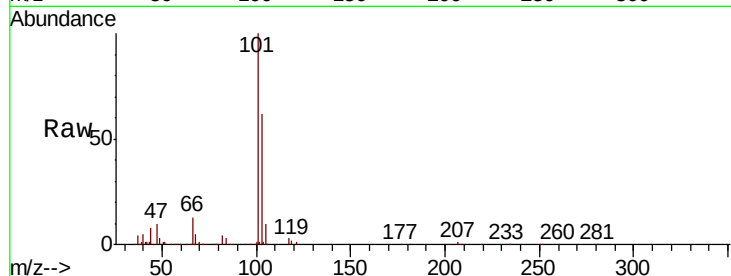


#7

Trichlorofluoromethane
 Concen: 22.699 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

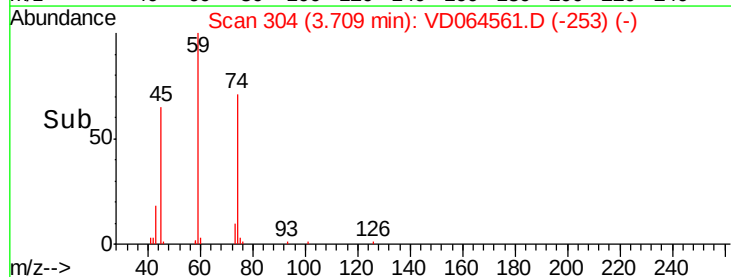
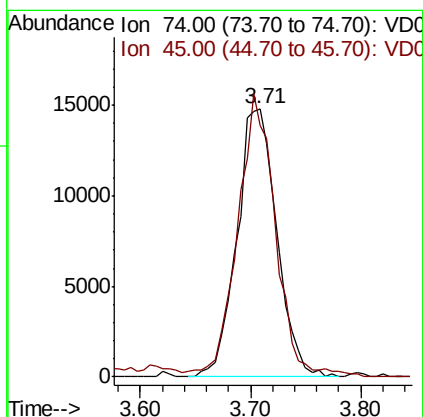
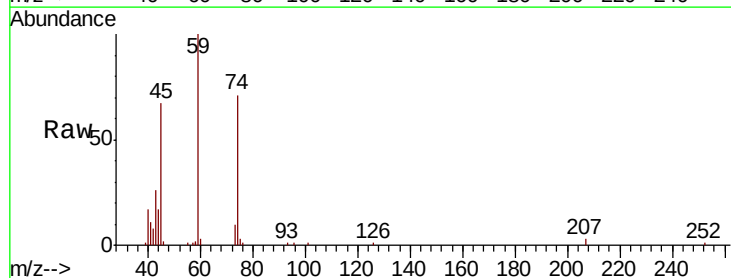
Tot Ion:101 Resp: 202481
 Ion Ratio Lower Upper
 101 100
 103 62.2 49.8 74.6

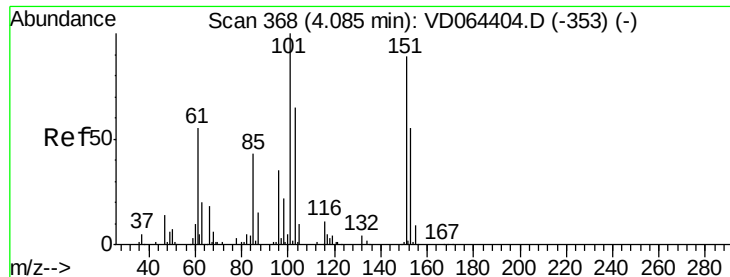


#8

Diethyl Ether
 Concen: 20.293 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion: 74 Resp: 37615
 Ion Ratio Lower Upper
 74 100
 45 100.0 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.930 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

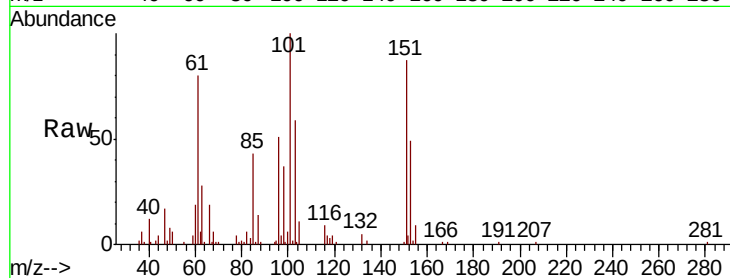
Tot Ion:101 Resp: 83876

Ion Ratio Lower Upper

101 100

85 44.6 34.8 52.2

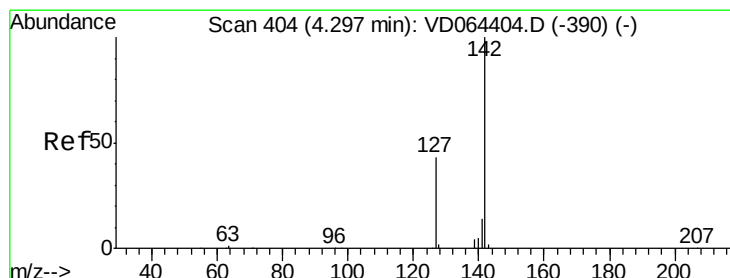
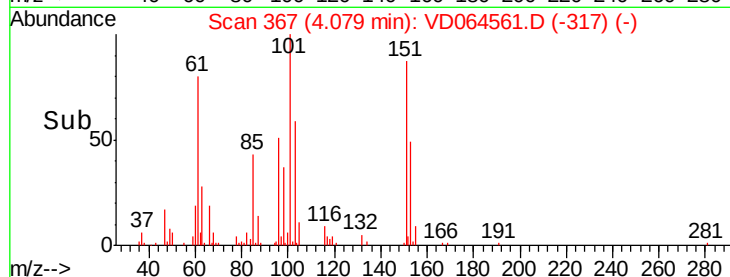
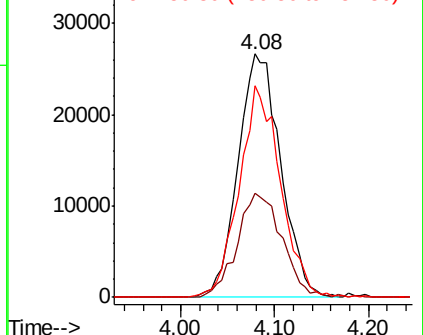
151 84.2 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.066 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

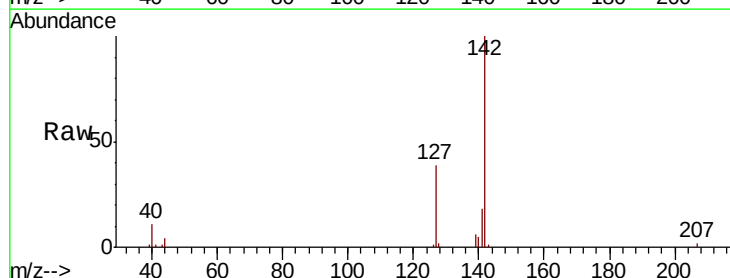
Tgt Ion:142 Resp: 81048

Ion Ratio Lower Upper

142 100

127 44.3 35.3 52.9

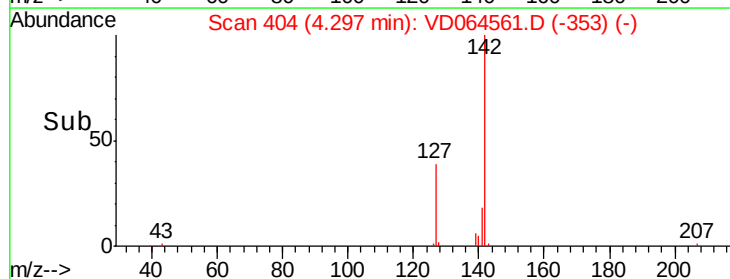
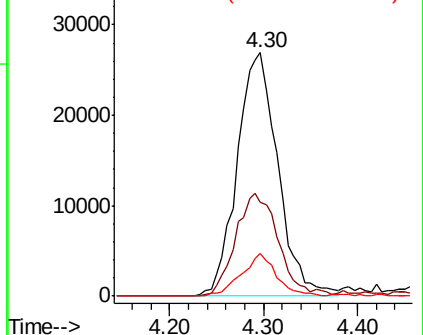
141 15.0 11.6 17.4

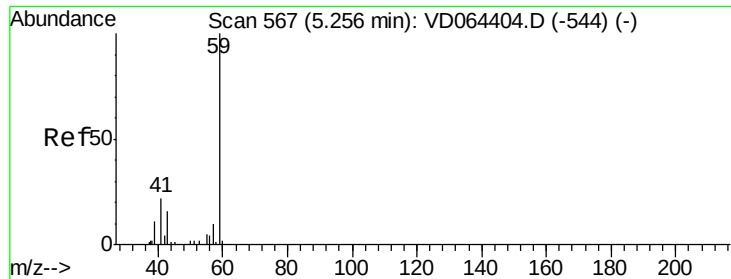


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



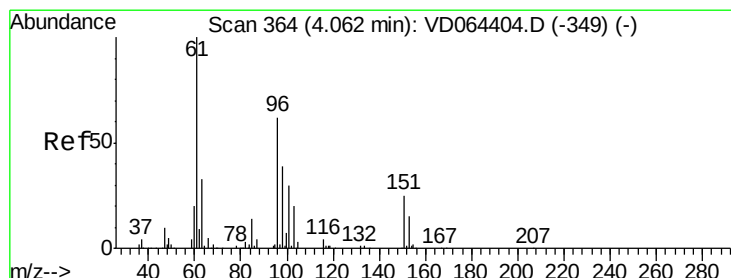
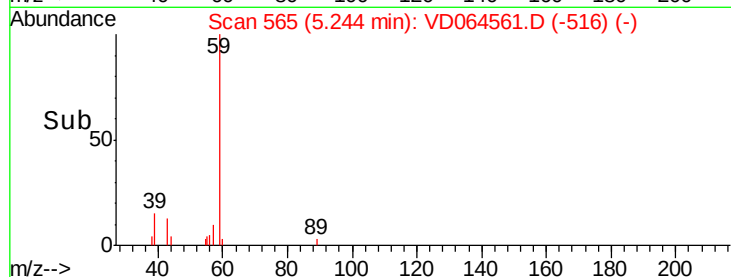
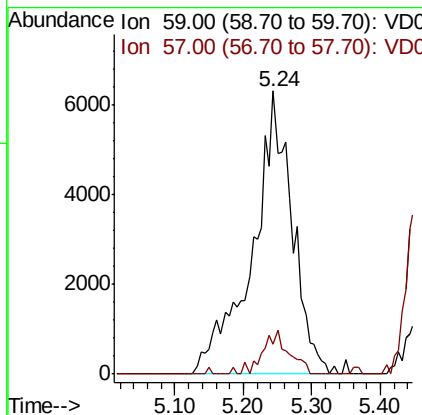
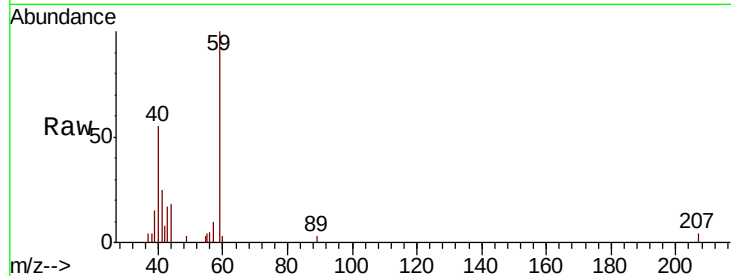


#11

Tert butyl alcohol
 Concen: 108.577 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

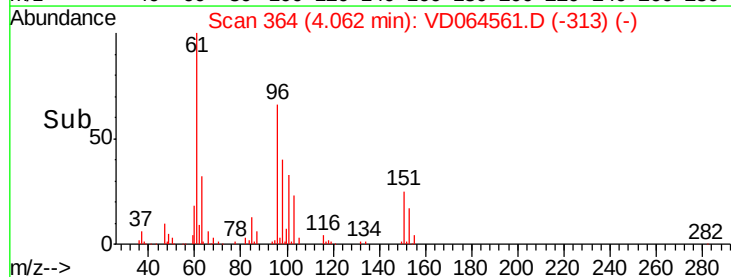
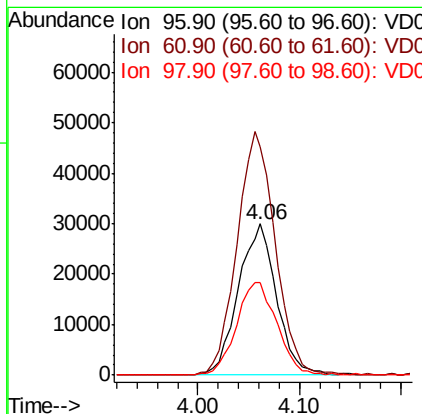
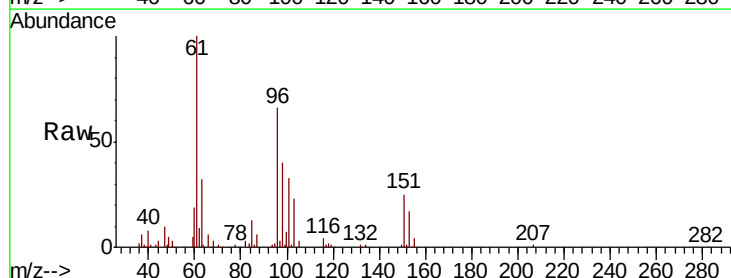
Tot Ion: 59 Resp: 25439
 Ion Ratio Lower Upper
 59 100
 57 9.9 0.0 0.0#

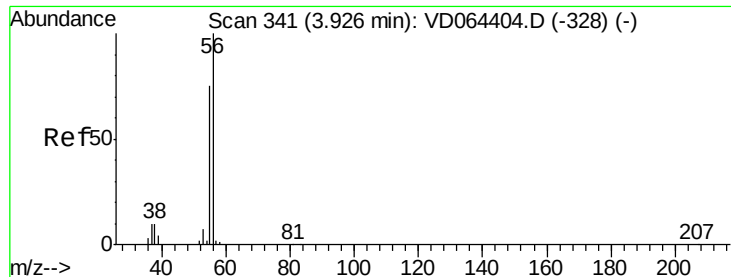


#12

1,1-Dichloroethene
 Concen: 21.337 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion: 96 Resp: 78206
 Ion Ratio Lower Upper
 96 100
 61 151.0 128.2 192.4
 98 60.8 50.4 75.6





#13

Acrolein

Concen: 75.238 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

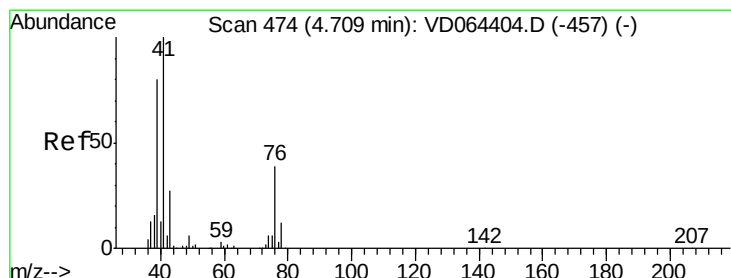
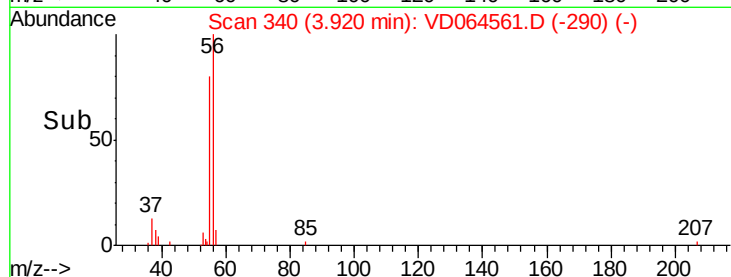
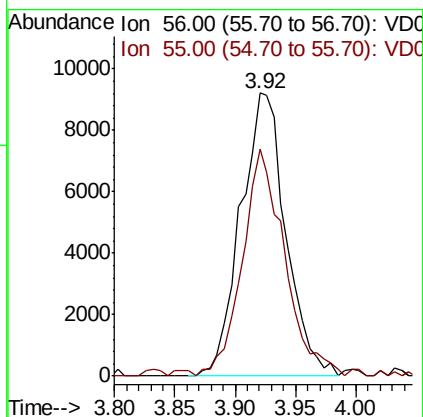
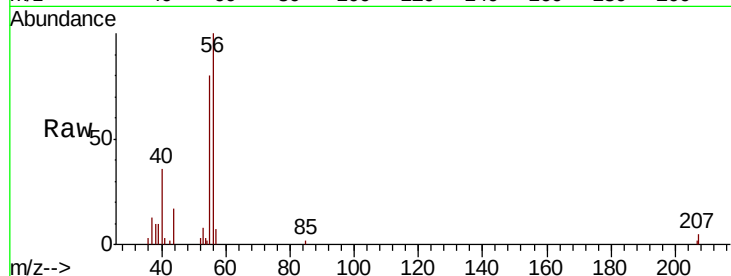
VD1223SBS01

Tot Ion: 56 Resp: 24044

Ion Ratio Lower Upper

56 100

55 75.1 56.9 85.3



#14

Allyl chloride

Concen: 21.608 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

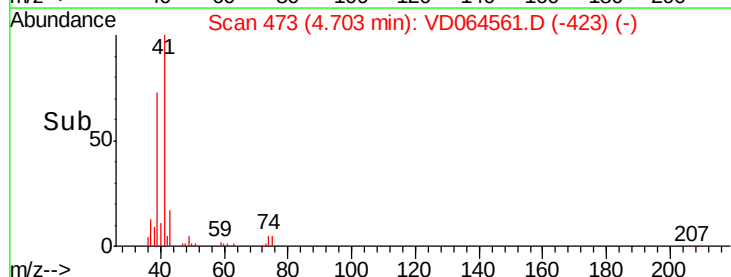
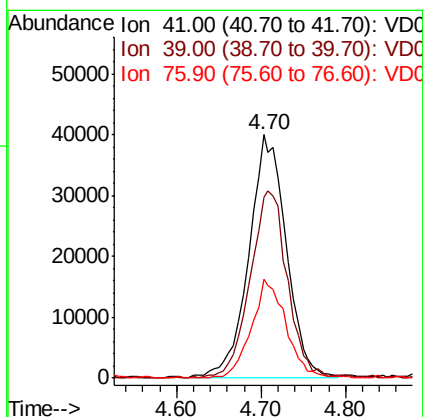
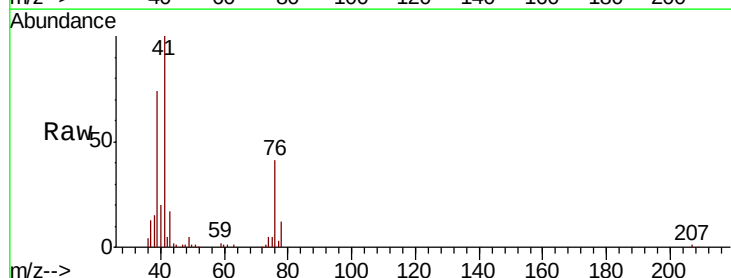
Tgt Ion: 41 Resp: 123601

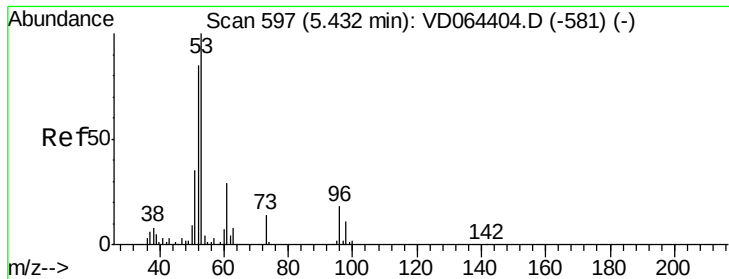
Ion Ratio Lower Upper

41 100

39 76.7 62.1 93.1

76 37.5 29.8 44.8





#15

Acrylonitrile

Concen: 98.200 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

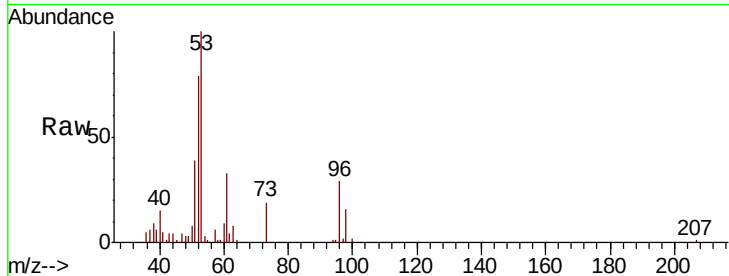
Tot Ion: 53 Resp: 79597

Ion Ratio Lower Upper

53 100

52 82.7 67.9 101.9

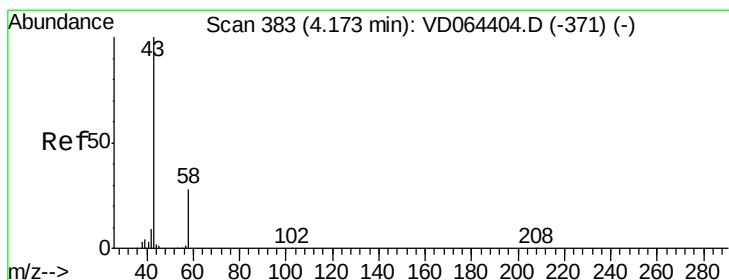
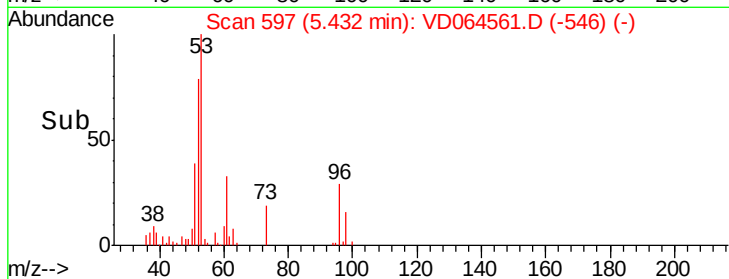
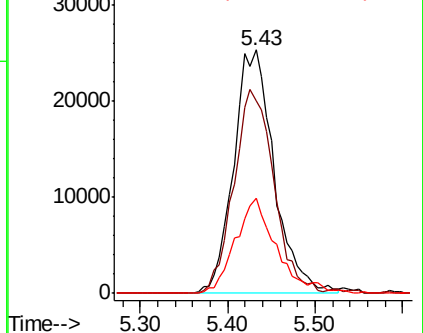
51 37.9 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 97.133 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064561.D

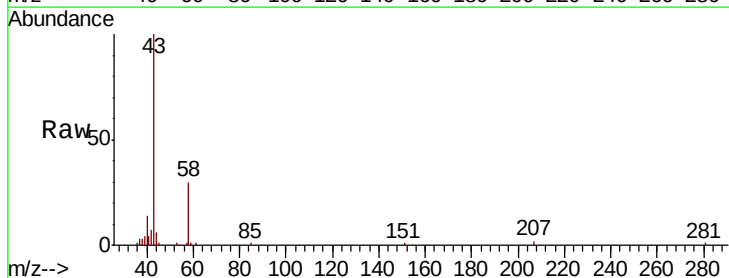
Acq: 23 Dec 2019 11:47

Tgt Ion: 43 Resp: 72247

Ion Ratio Lower Upper

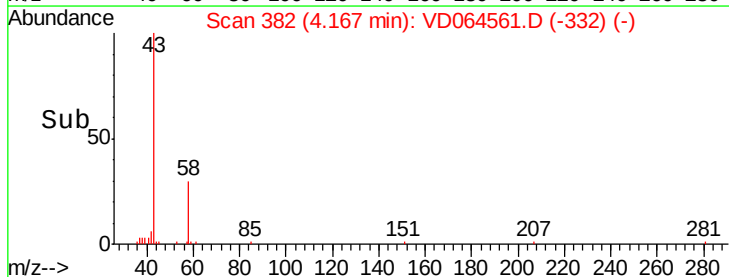
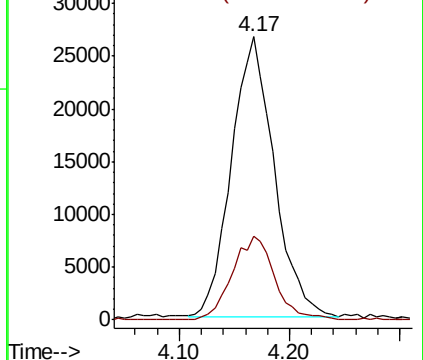
43 100

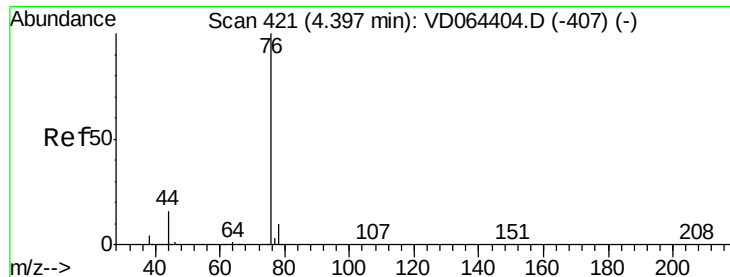
58 30.0 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

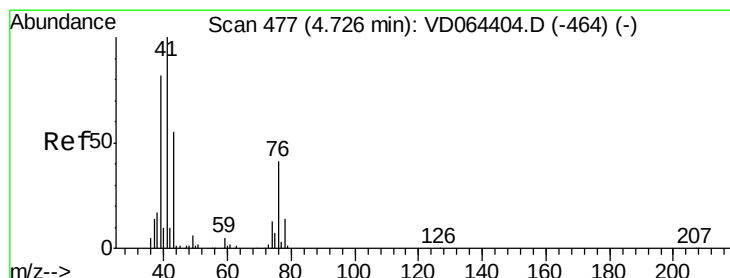
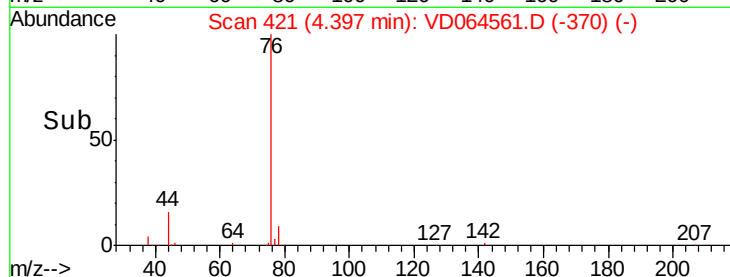
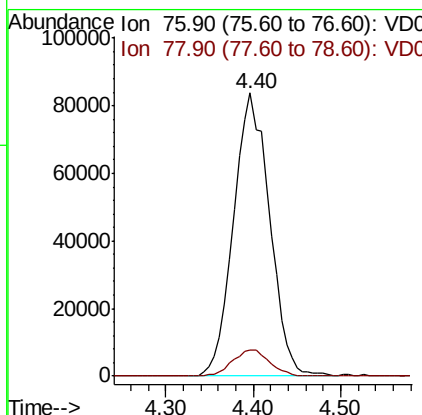
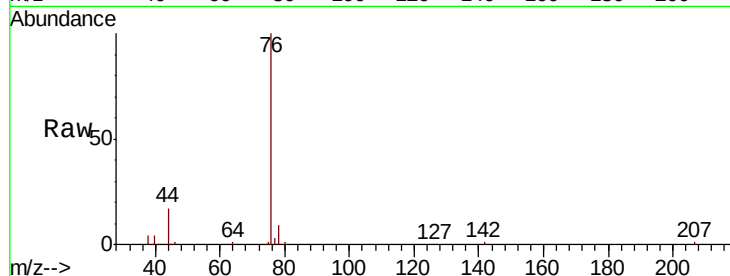




#17
Carbon Disulfide
Concen: 20.231 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

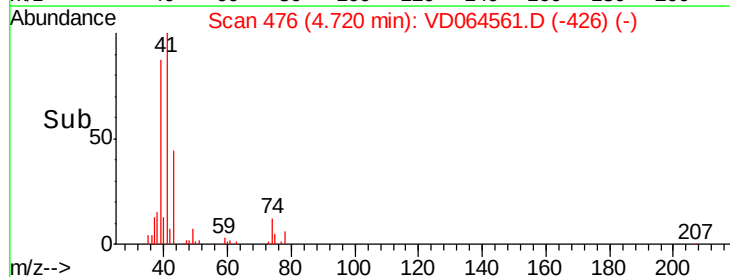
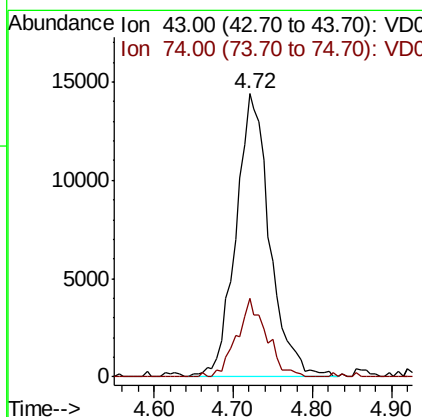
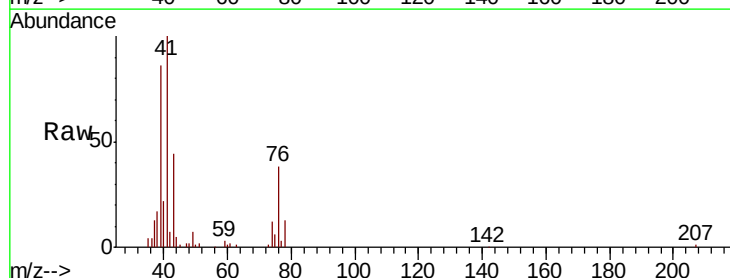
Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

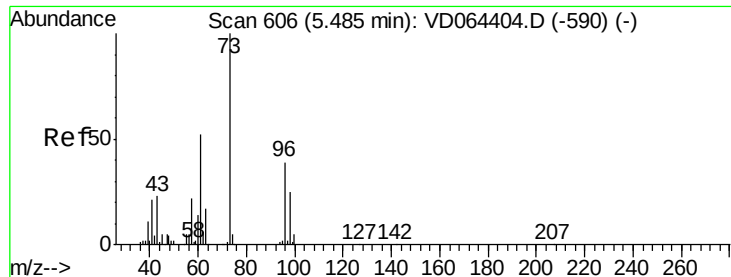
Tot Ion: 76 Resp: 234852
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.8



#18
Methyl Acetate
Concen: 19.677 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 43 Resp: 42691
Ion Ratio Lower Upper
43 100
74 24.2 19.7 29.5



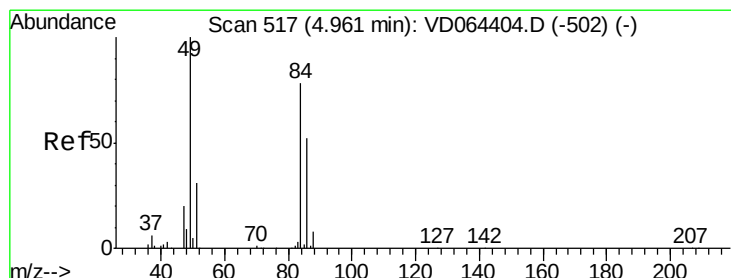
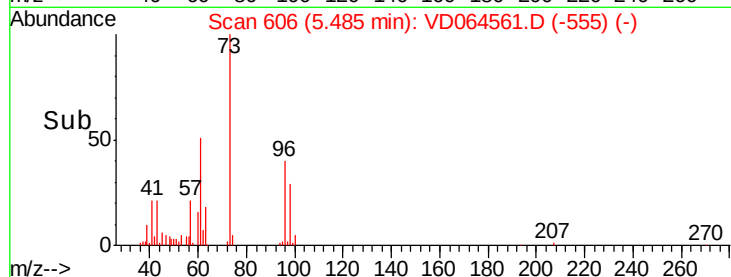
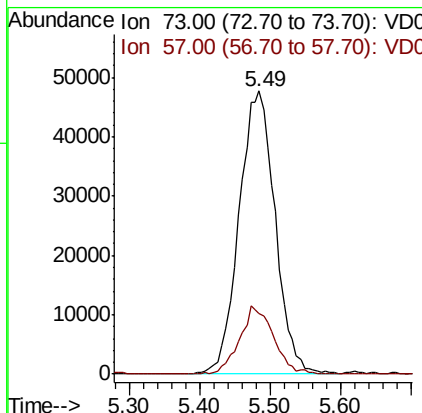
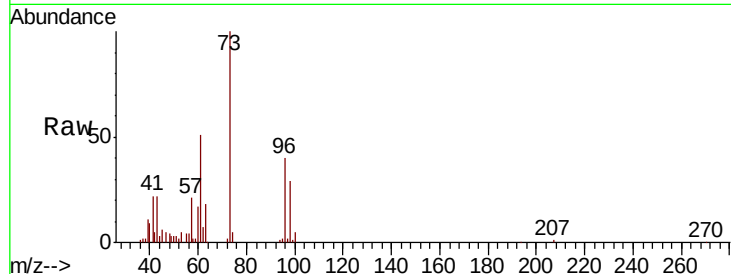


#19

Methyl tert-butyl Ether
 Concen: 20.149 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

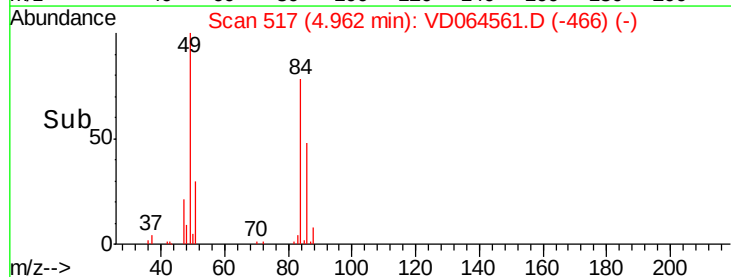
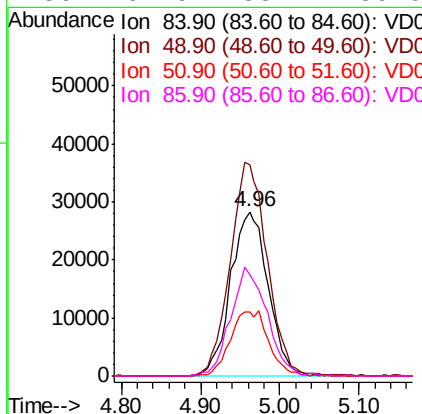
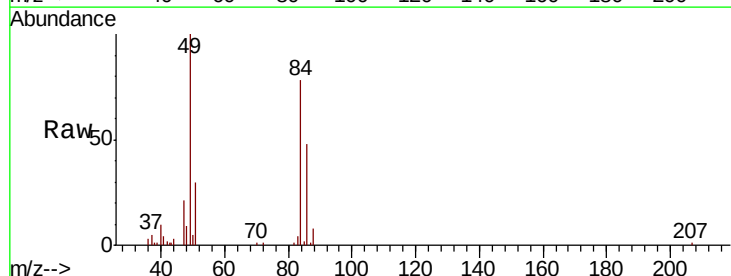
Tot Ion: 73 Resp: 169402
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.6 26.4

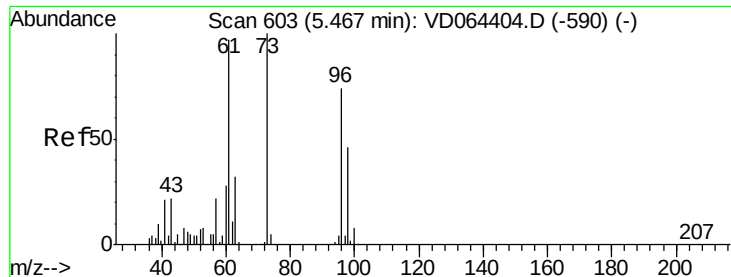


#20

Methylene Chloride
 Concen: 22.000 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion: 84 Resp: 92554
 Ion Ratio Lower Upper
 84 100
 49 128.9 102.6 153.8
 51 39.1 32.0 48.0
 86 61.9 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.328 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

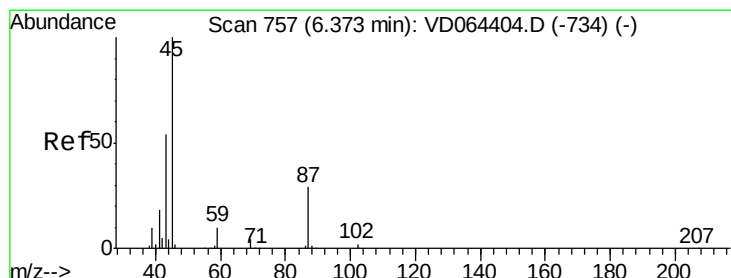
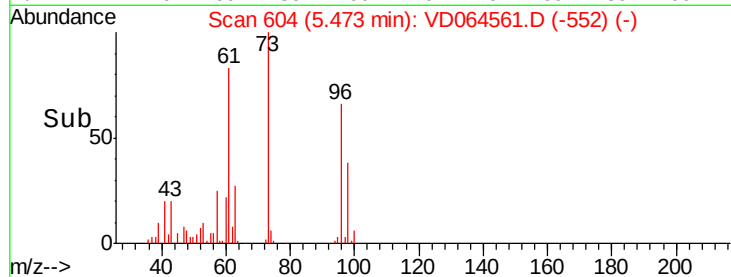
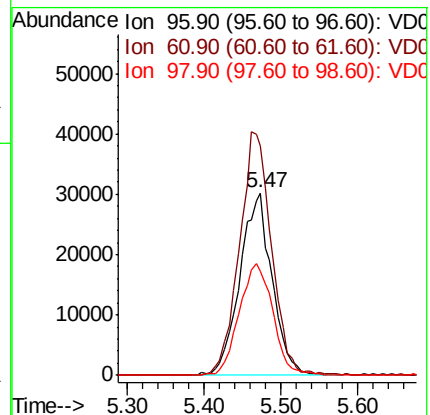
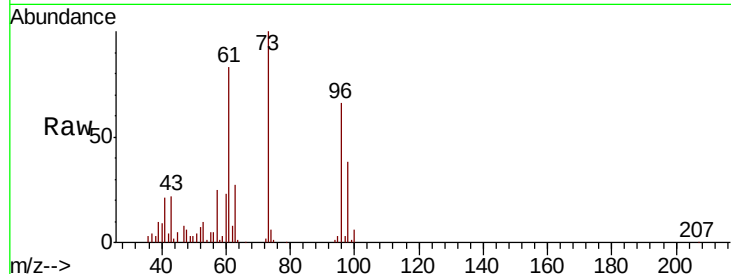
Tot Ion: 96 Resp: 88425

Ion Ratio Lower Upper

96 100

61 125.8 105.8 158.6

98 57.0 50.1 75.1



#22

Diisopropyl ether

Concen: 21.258 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Tgt Ion: 45 Resp: 240051

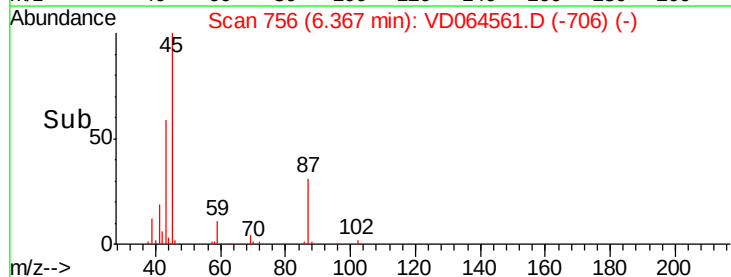
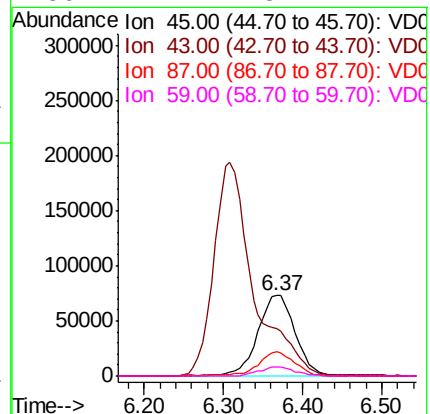
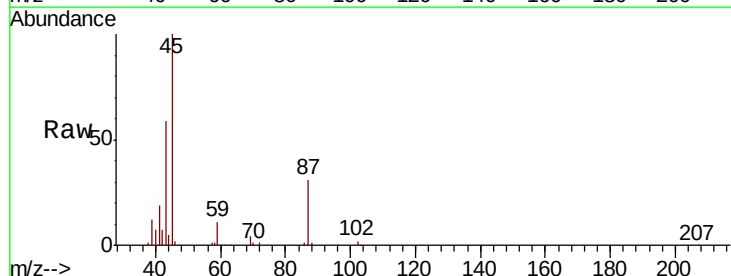
Ion Ratio Lower Upper

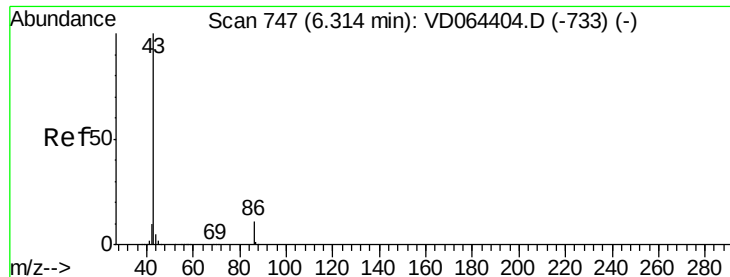
45 100

43 58.5 43.1 64.7

87 30.4 23.5 35.3

59 11.4 8.2 12.2





#23

Vinyl Acetate

Concen: 101.452 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

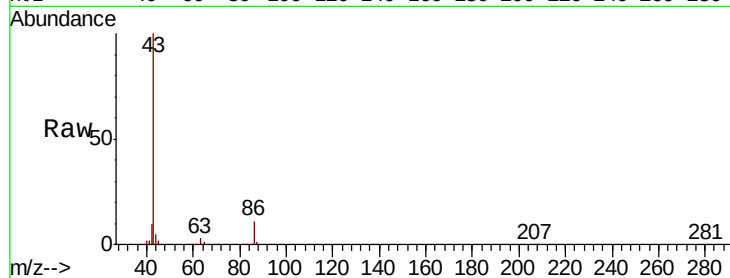
VD1223SBS01

Tot Ion: 43 Resp: 675379

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

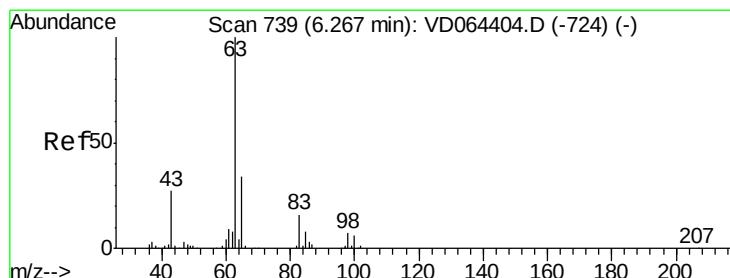
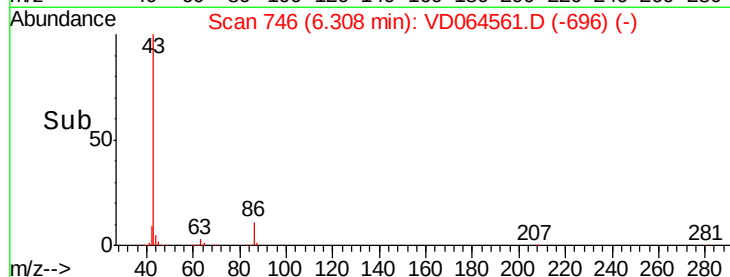
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.973 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

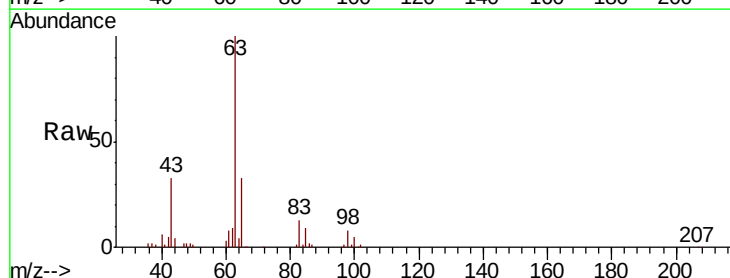
Tgt Ion: 63 Resp: 149219

Ion Ratio Lower Upper

63 100

98 8.1 3.6 10.9

100 4.9 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

60000

50000

40000

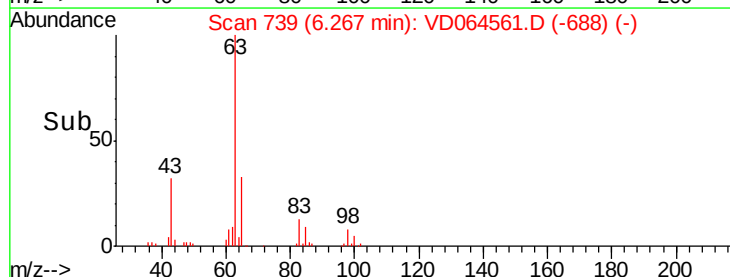
30000

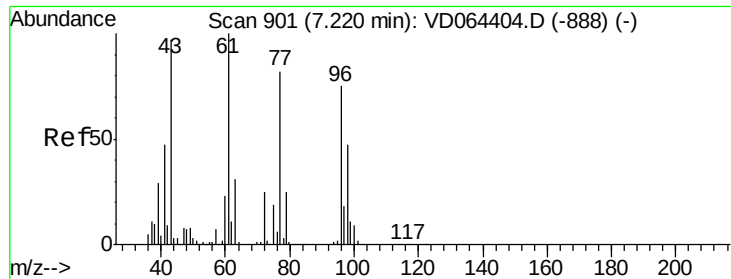
20000

10000

0

Time-->





#25

2-Butanone

Concen: 95.803 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

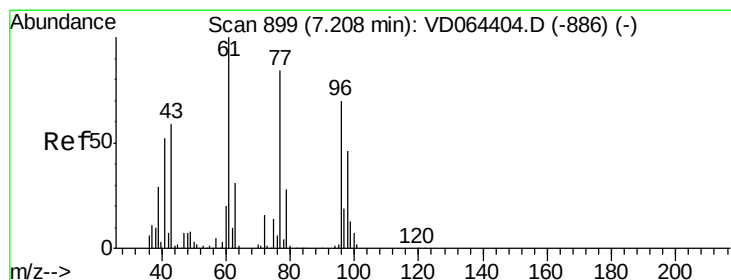
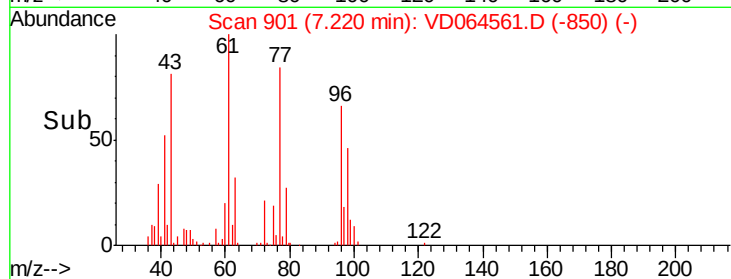
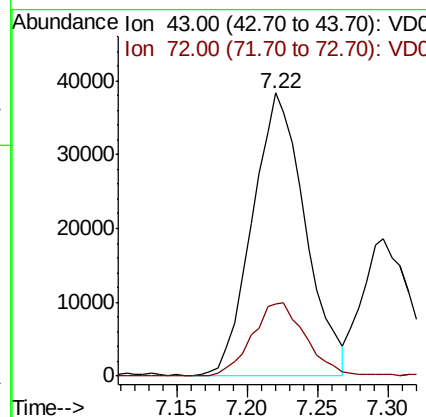
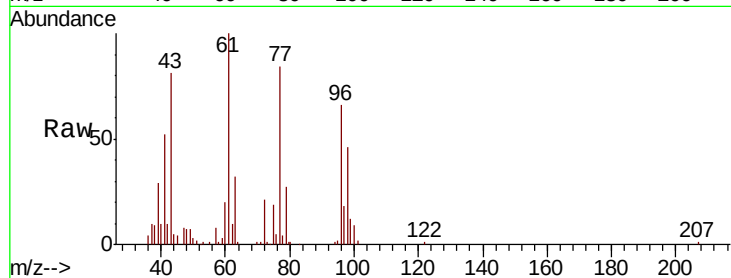
VD1223SBS01

Tot Ion: 43 Resp: 100773

Ion Ratio Lower Upper

43 100

72 25.4 21.0 31.4



#26

2,2-Dichloropropane

Concen: 23.776 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064561.D

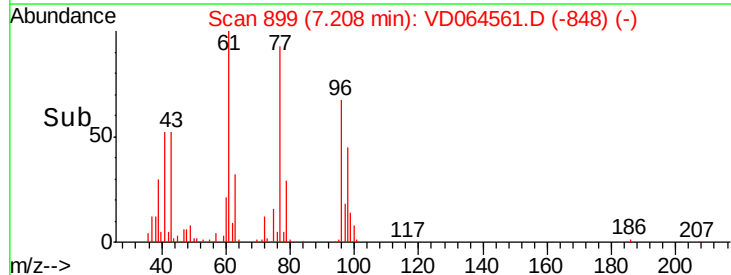
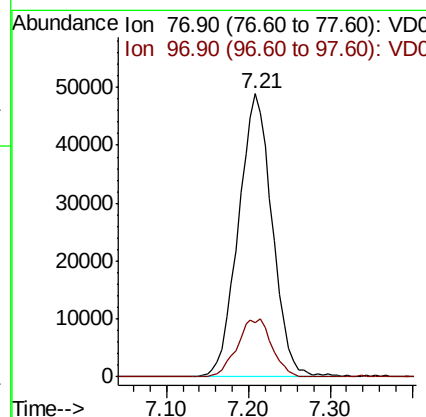
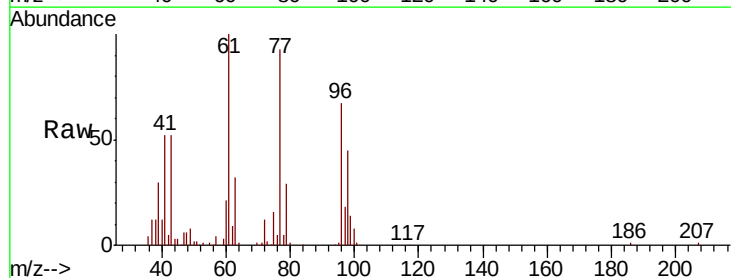
Acq: 23 Dec 2019 11:47

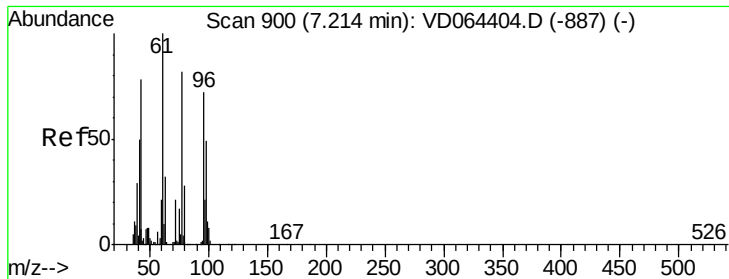
Tgt Ion: 77 Resp: 140418

Ion Ratio Lower Upper

77 100

97 20.9 11.6 34.7



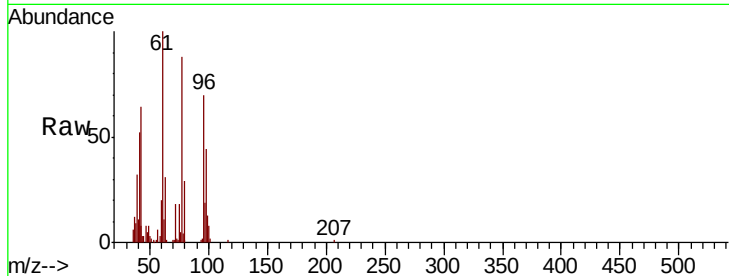


#27

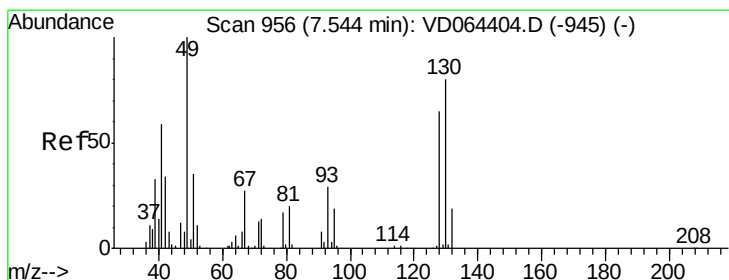
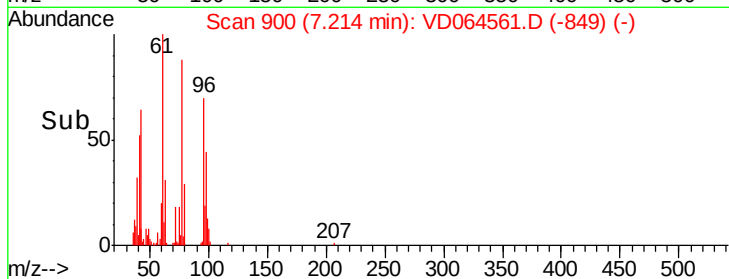
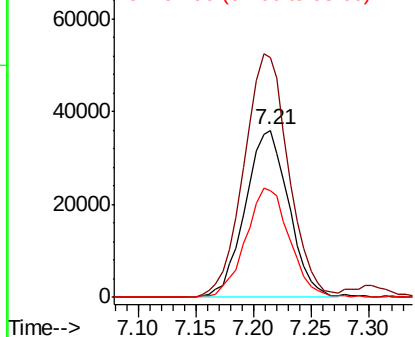
cis-1,2-Dichloroethene
Concen: 20.921 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion: 96 Resp: 94564
Ion Ratio Lower Upper
96 100
61 149.6 0.0 279.6
98 65.7 0.0 129.2



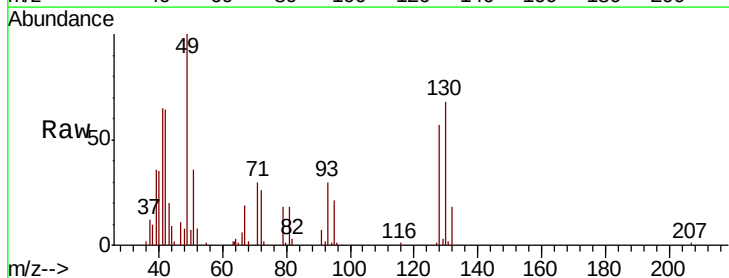
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



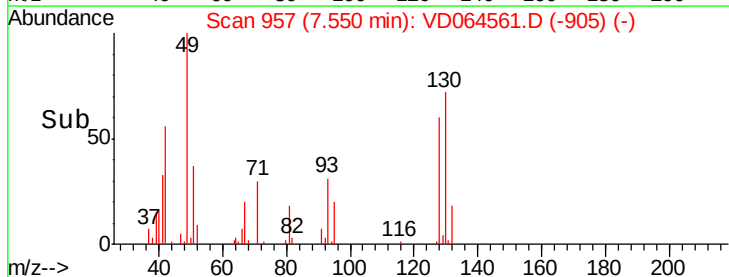
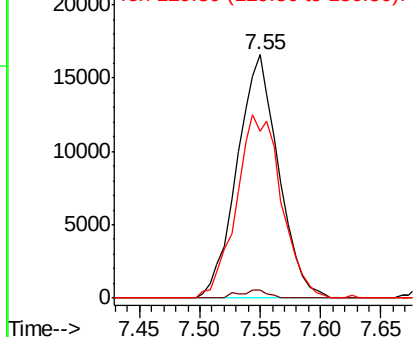
#28

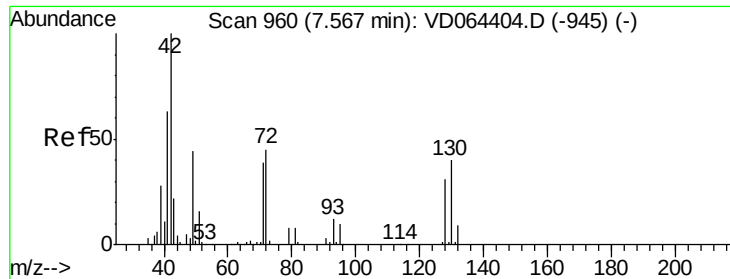
Bromochloromethane
Concen: 17.051 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 49 Resp: 39572
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.4
130 81.9 67.4 101.0



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

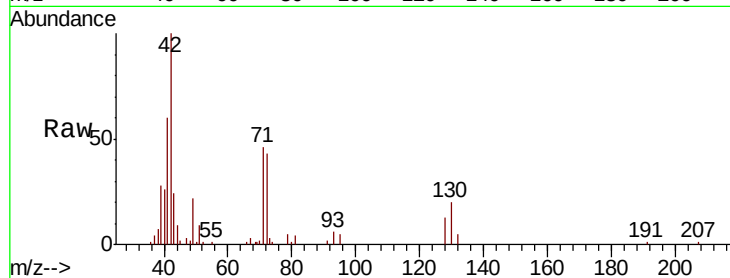




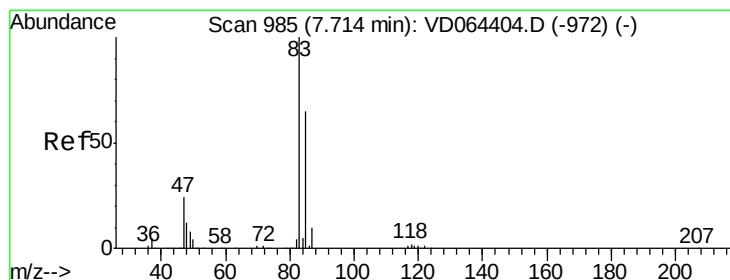
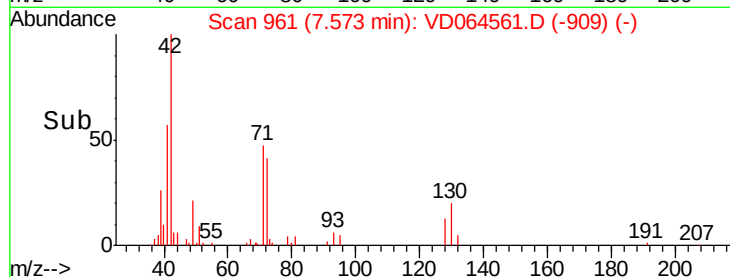
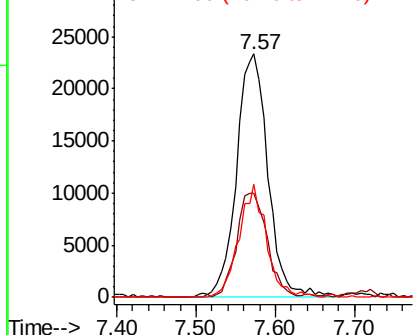
#29
Tetrahydrofuran
Concen: 96.146 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion: 42 Resp: 64344
Ion Ratio Lower Upper
42 100
72 41.7 35.8 53.8
71 40.6 32.7 49.1

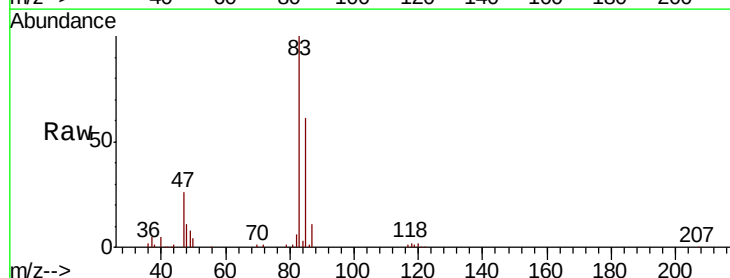


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

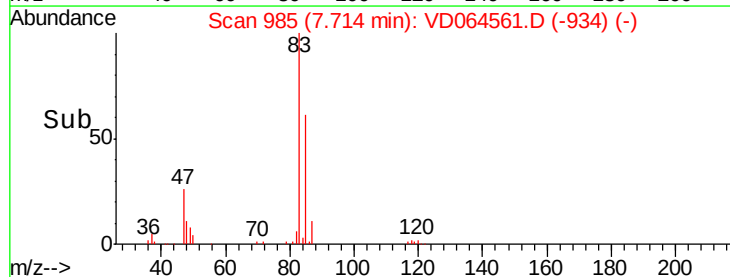
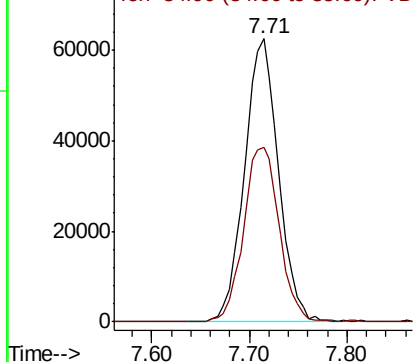


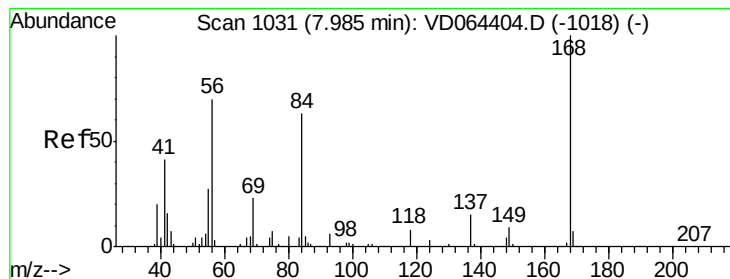
#30
Chloroform
Concen: 21.689 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 83 Resp: 152542
Ion Ratio Lower Upper
83 100
85 61.5 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 21.490 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleID :

VD1223SBS01

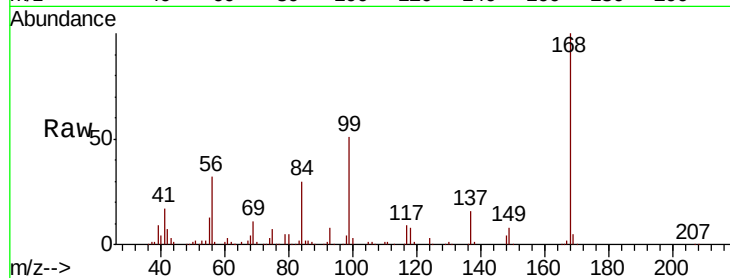
Tot Ion: 56 Resp: 142924

Ion Ratio Lower Upper

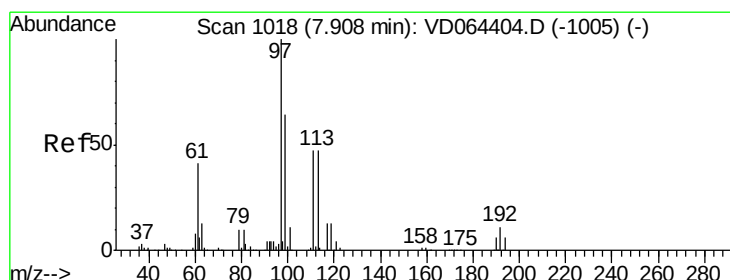
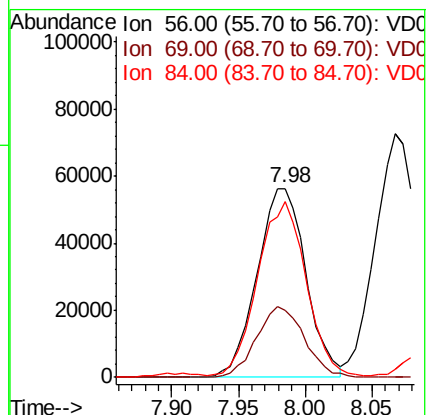
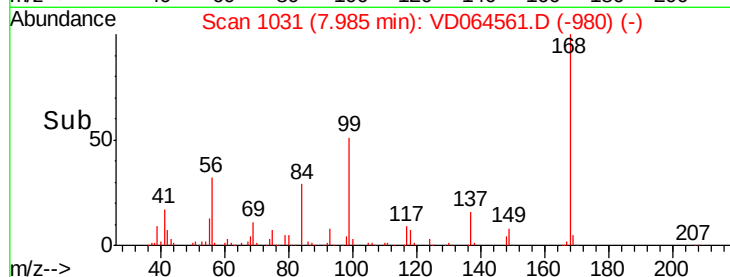
56 100

69 35.2 26.2 39.4

84 91.9 70.3 105.5



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 22.513 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

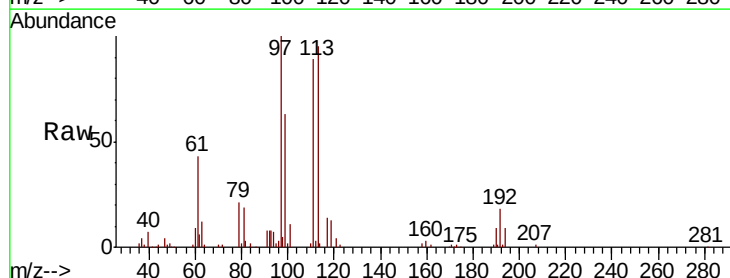
Tgt Ion: 97 Resp: 146798

Ion Ratio Lower Upper

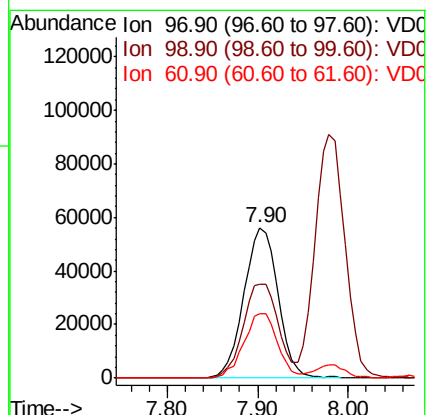
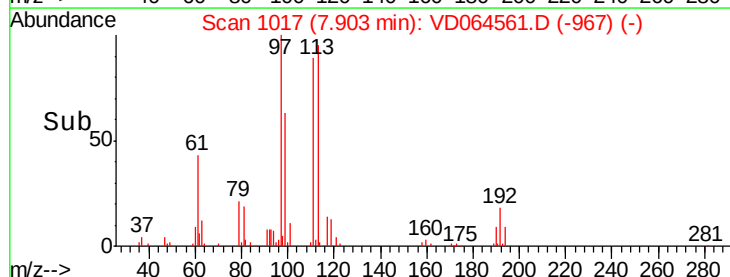
97 100

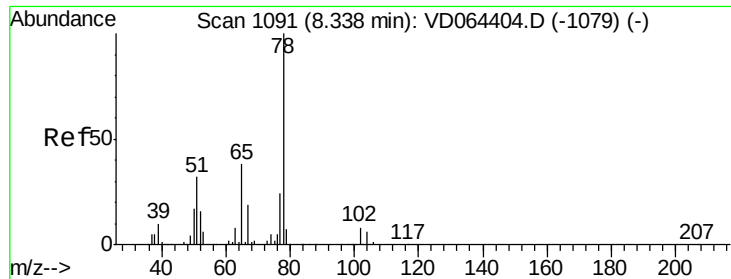
99 64.2 51.4 77.2

61 42.6 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

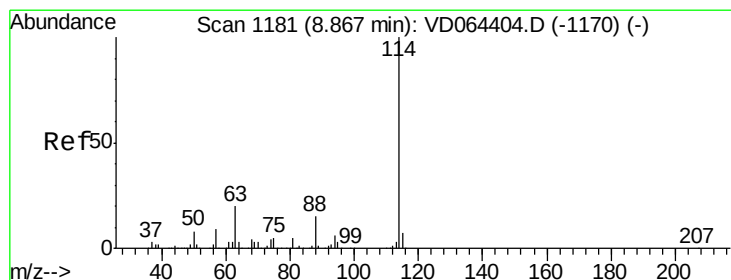
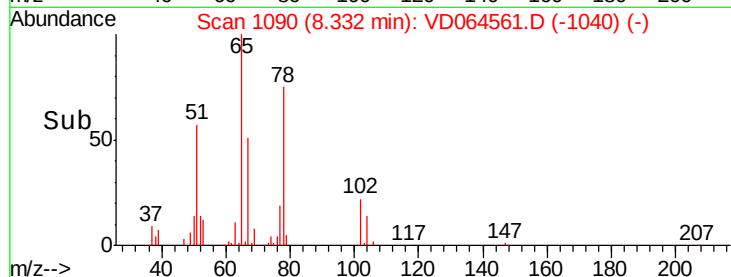
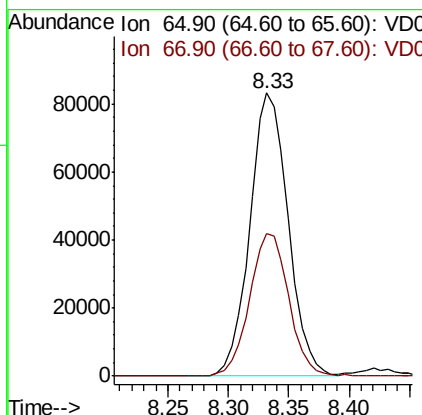
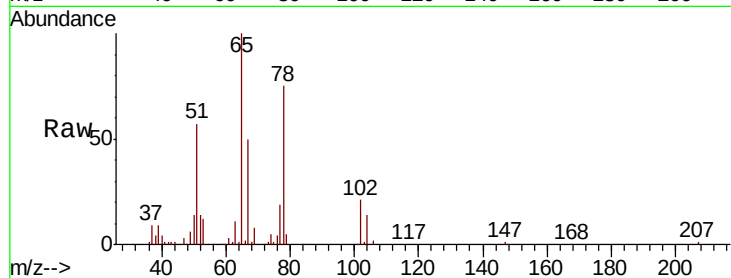




#33
 1,2-Dichloroethane-d4
 Concen: 50.129 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

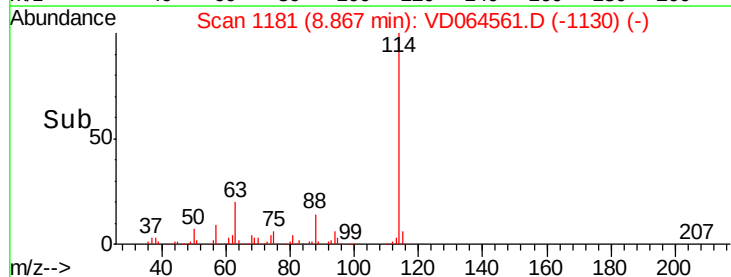
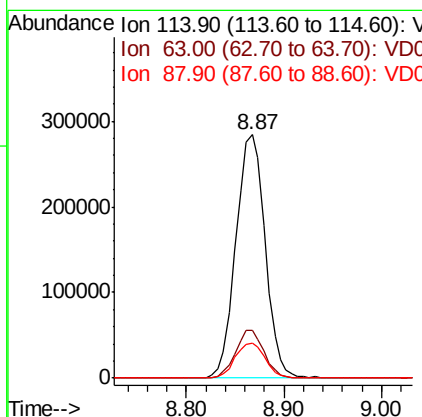
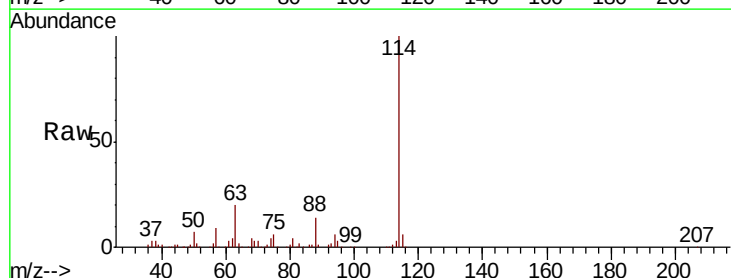
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

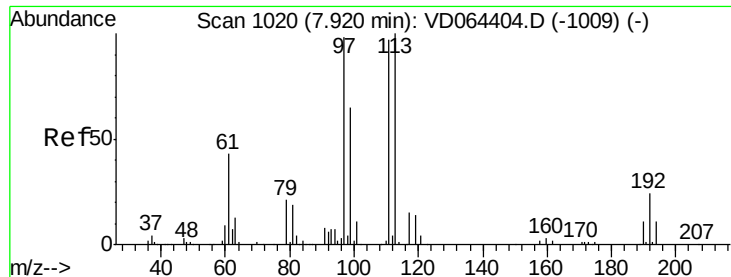
Tot Ion: 65 Resp: 184510
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion: 114 Resp: 592767
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 14.3 0.0 29.2





#35

Dibromofluoromethane

Concen: 51.795 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

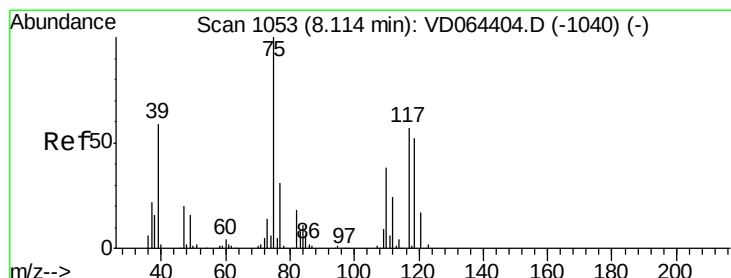
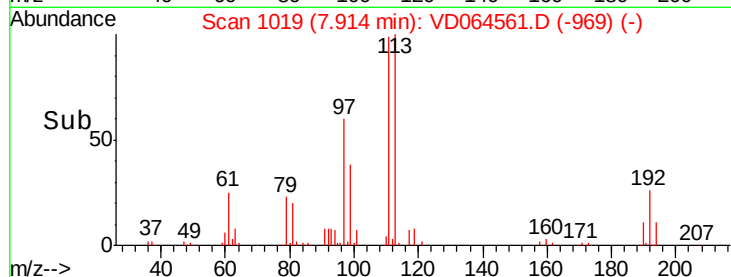
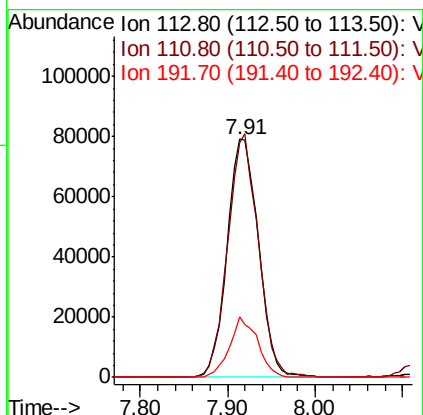
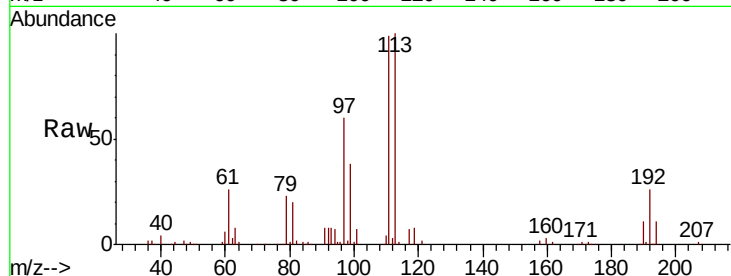
Tot Ion:113 Resp: 193442

Ion Ratio Lower Upper

113 100

111 99.5 79.4 119.2

192 22.7 18.6 28.0



#36

1,1-Dichloropropene

Concen: 22.028 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

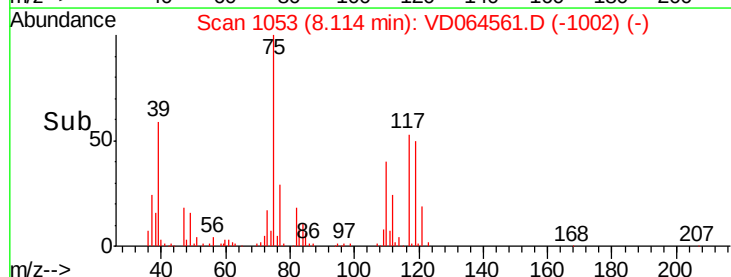
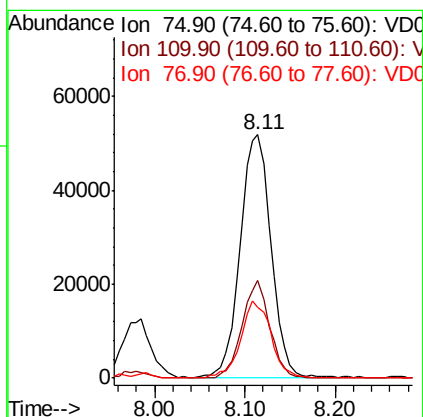
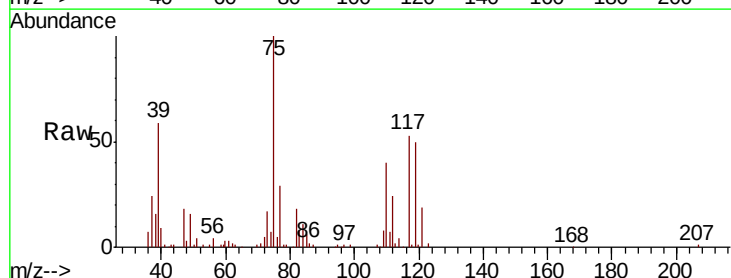
Tgt Ion: 75 Resp: 123507

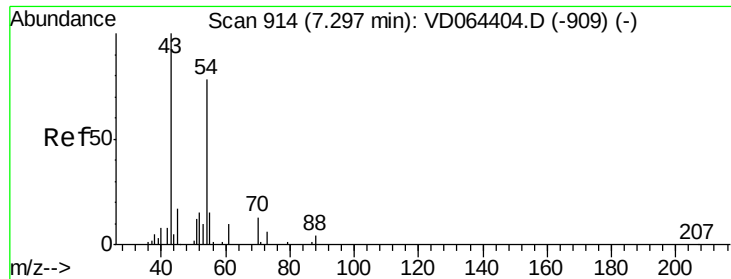
Ion Ratio Lower Upper

75 100

110 35.6 18.6 55.8

77 30.8 25.0 37.4

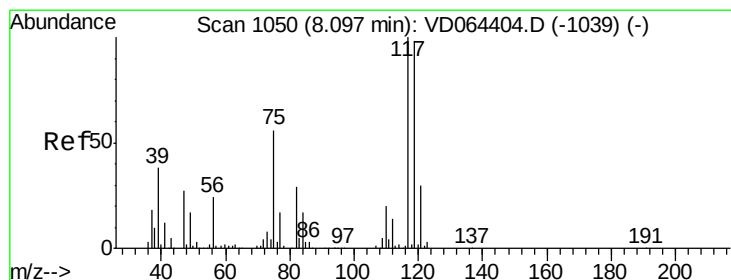
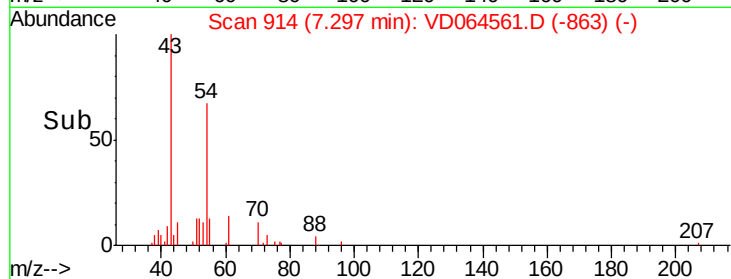
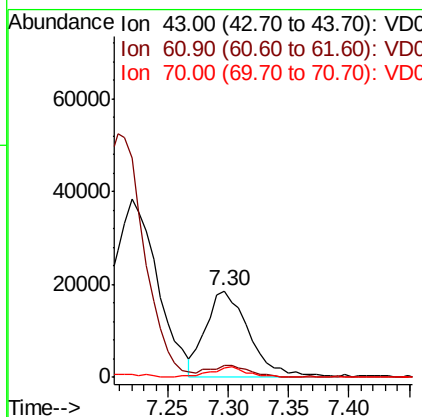
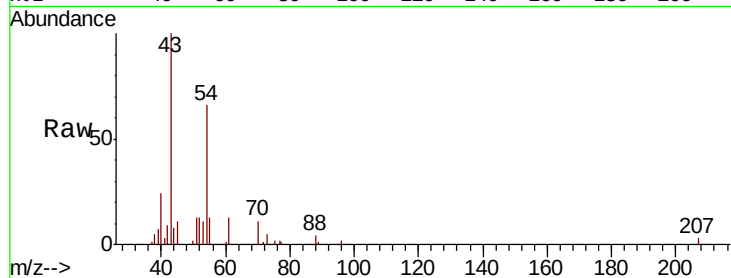




#37
Ethyl Acetate
Concen: 19.119 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

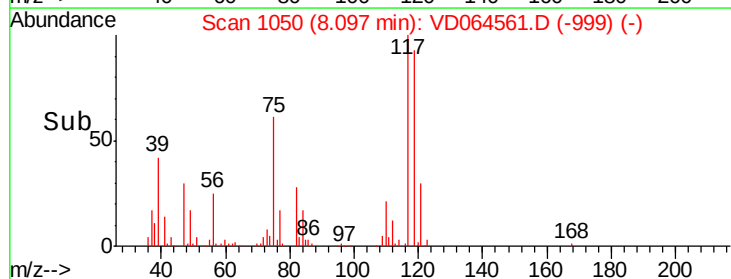
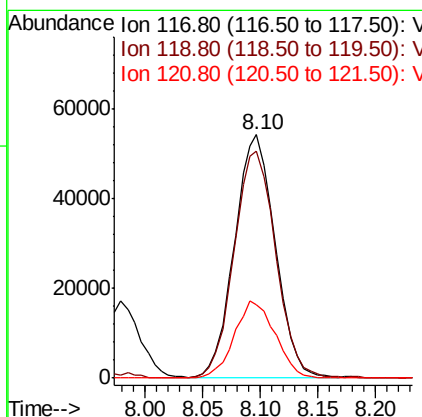
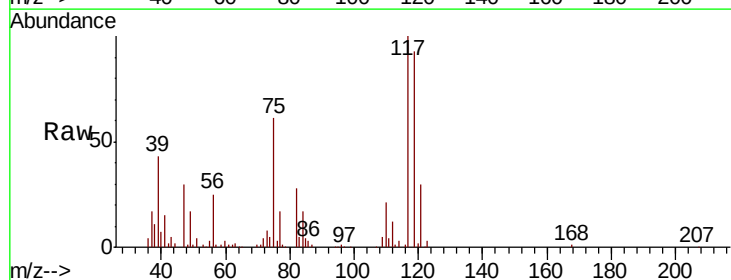
Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

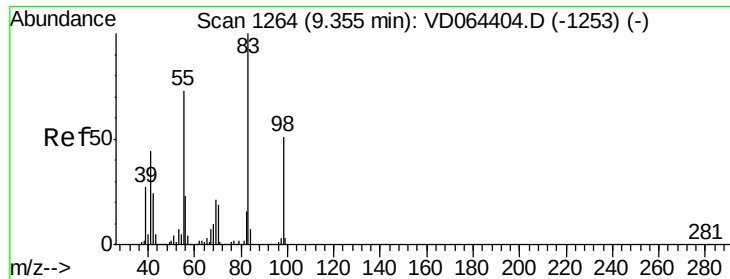
Tot Ion: 43 Resp: 45485
Ion Ratio Lower Upper
43 100
61 13.2 10.9 16.3
70 10.4 8.3 12.5



#38
Carbon Tetrachloride
Concen: 22.549 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 117 Resp: 133435
Ion Ratio Lower Upper
117 100
119 93.3 78.8 118.2
121 30.2 24.2 36.2

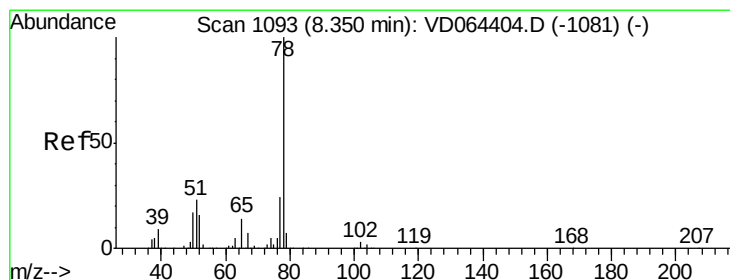
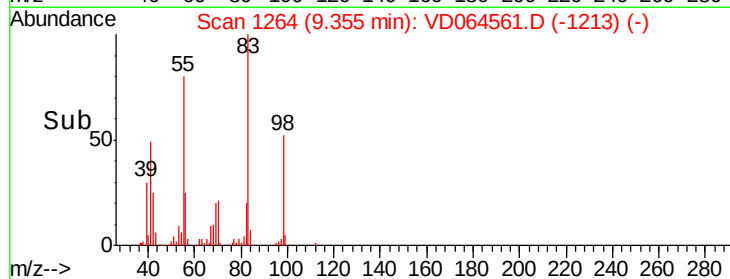
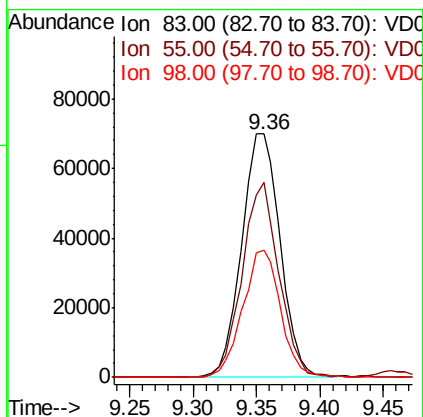
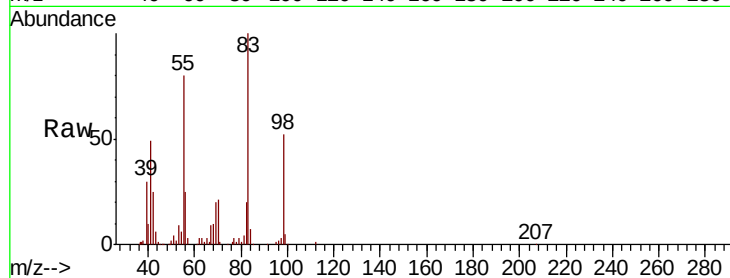




#39
Methylvlcyclohexane
Concen: 21.260 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

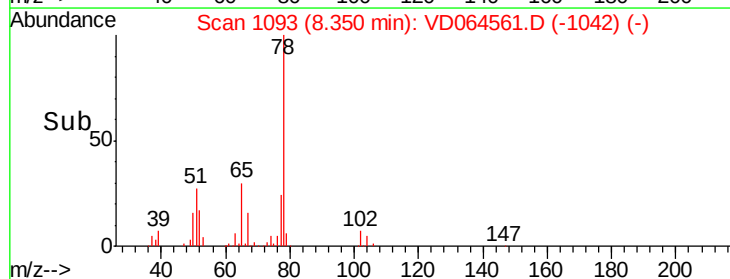
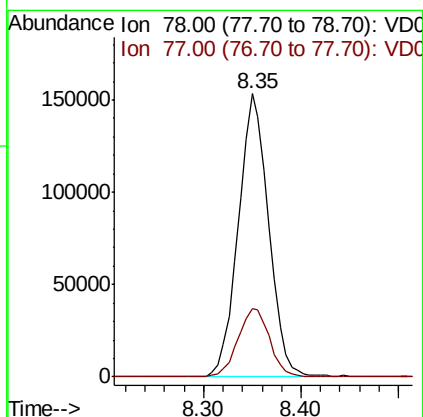
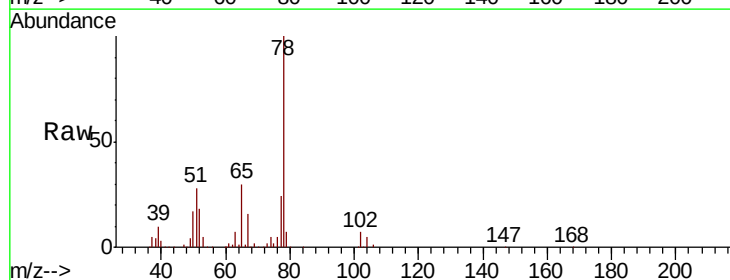
Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

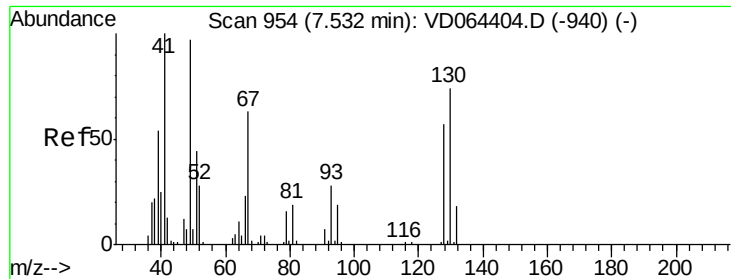
Tot Ion: 83 Resp: 147864
Ion Ratio Lower Upper
83 100
55 80.3 58.6 87.8
98 52.0 40.9 61.3



#40
Benzene
Concen: 21.382 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 78 Resp: 332975
Ion Ratio Lower Upper
78 100
77 24.3 19.6 29.4

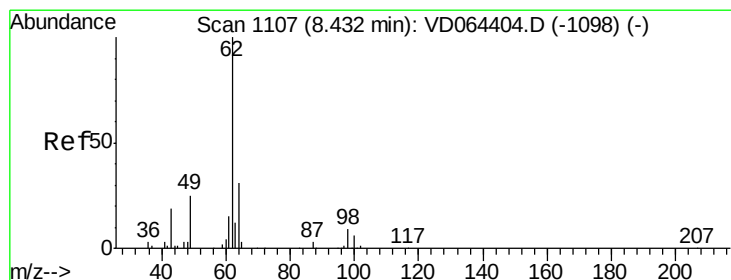
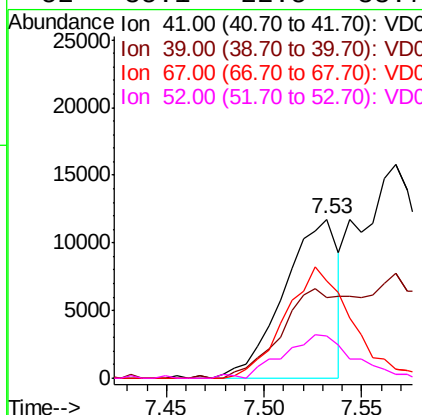
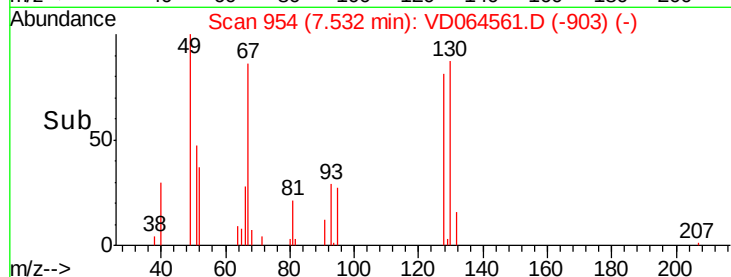
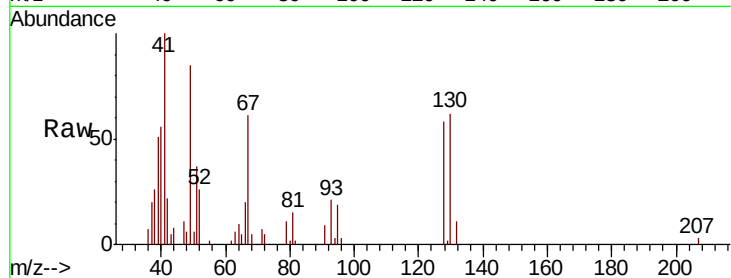




#41
Methacrylonitrile
Concen: 16.680 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

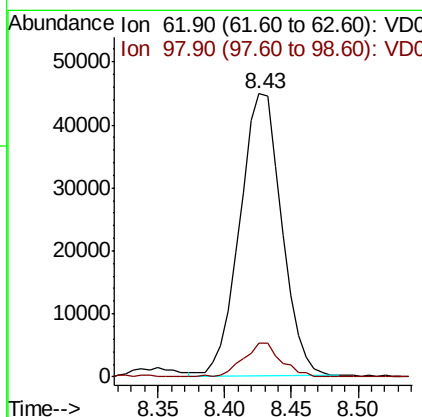
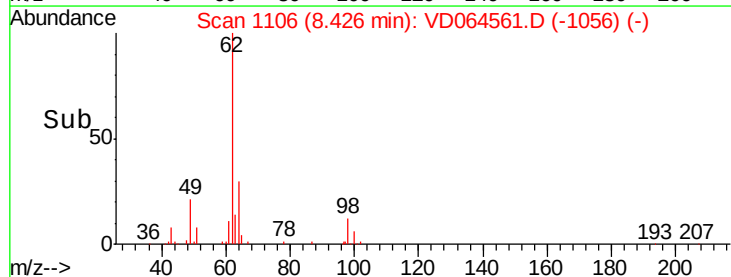
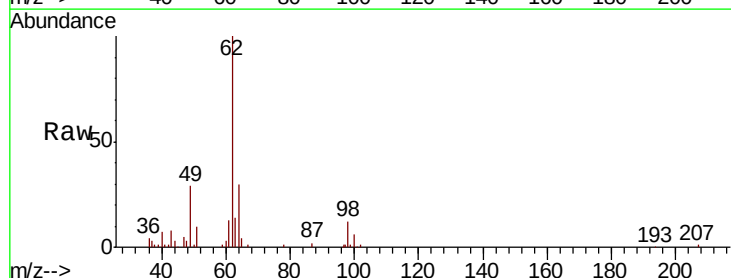
Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

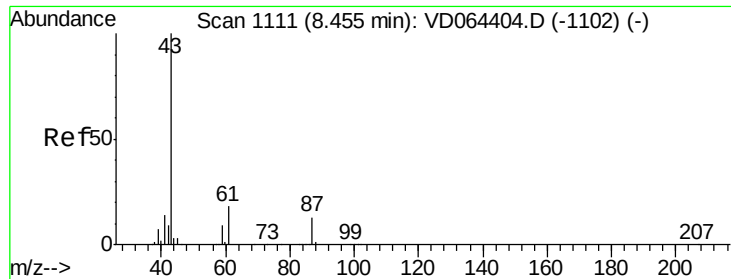
Tot Ion: 41 Resp: 22757
Ion Ratio Lower Upper
41 100
39 68.2 44.6 67.0#
67 86.2 50.9 76.3#
52 35.1 22.5 33.7#



#42
1,2-Dichloroethane
Concen: 21.461 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 62 Resp: 97463
Ion Ratio Lower Upper
62 100
98 10.7 0.0 20.6





#43

Isopropyl Acetate

Concen: 19.802 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

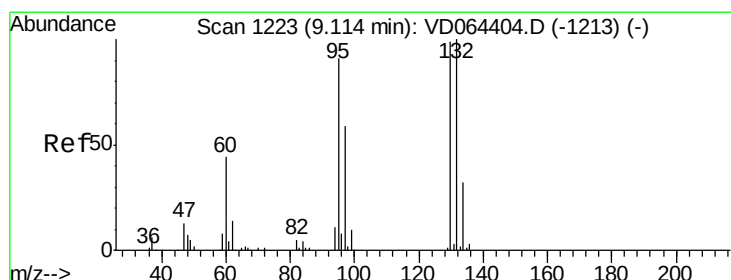
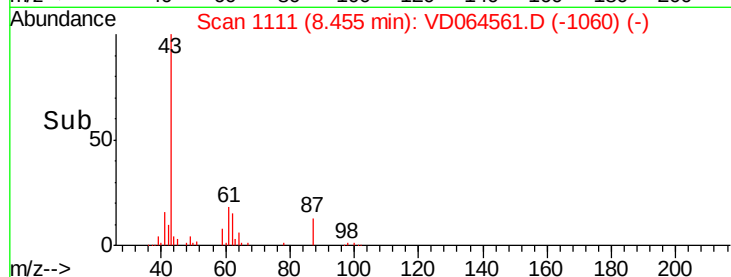
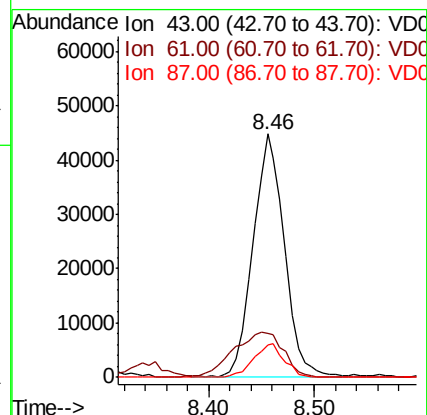
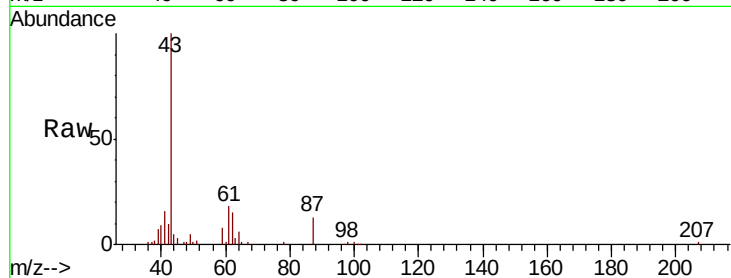
Tot Ion: 43 Resp: 92630

Ion Ratio Lower Upper

43 100

61 29.3 24.0 36.0

87 13.4 10.6 15.8



#44

Trichloroethene

Concen: 21.375 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064561.D

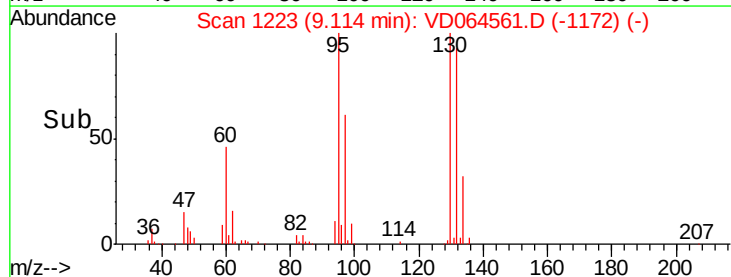
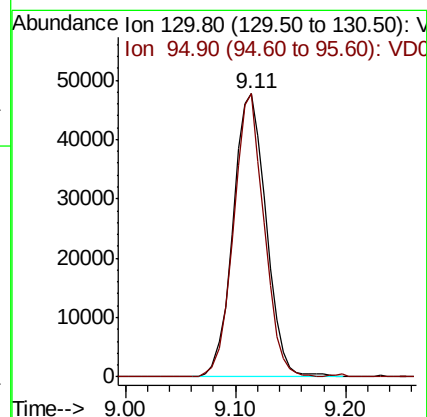
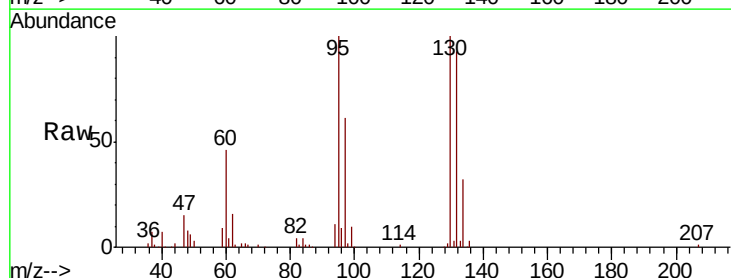
Acq: 23 Dec 2019 11:47

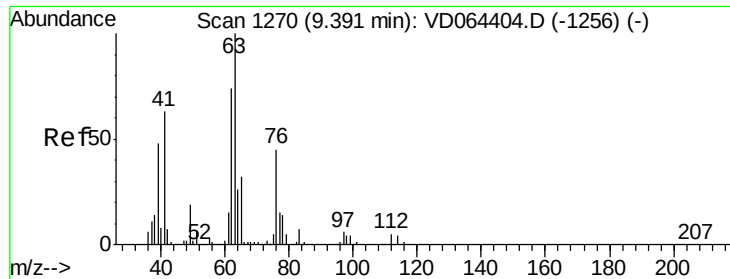
Tgt Ion:130 Resp: 100264

Ion Ratio Lower Upper

130 100

95 99.9 0.0 184.6





#45

1,2-Dichloropropane

Concen: 21.940 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

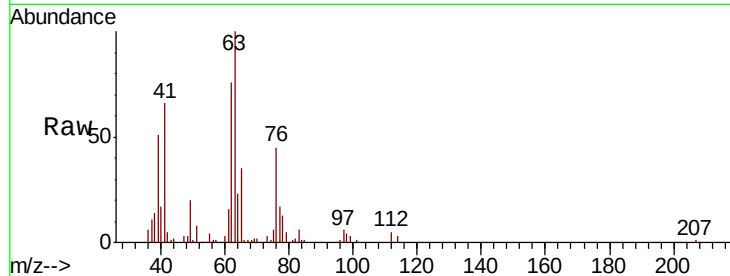
VD1223SBS01

Tot Ion: 63 Resp: 81711

Ion Ratio Lower Upper

63 100

65 35.2 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

40000

30000

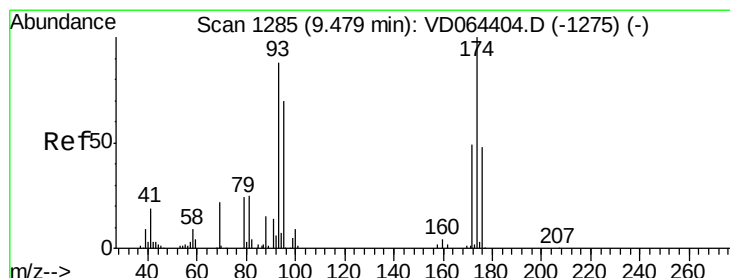
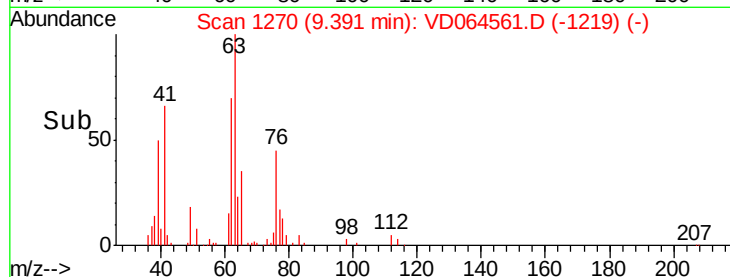
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 20.276 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

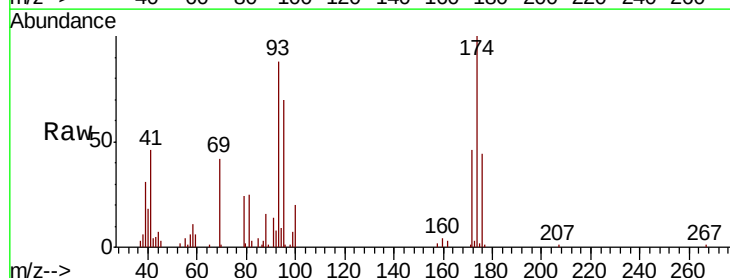
Tgt Ion: 93 Resp: 42619

Ion Ratio Lower Upper

93 100

95 84.3 66.7 100.1

174 114.5 92.3 138.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

30000

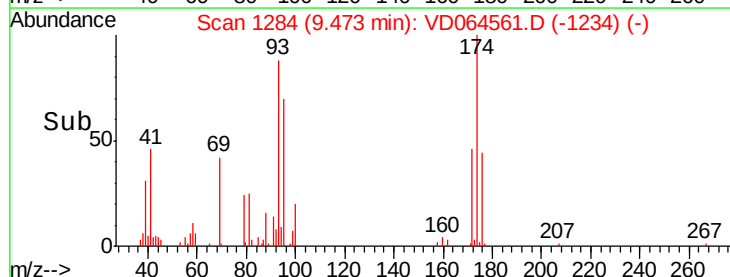
20000

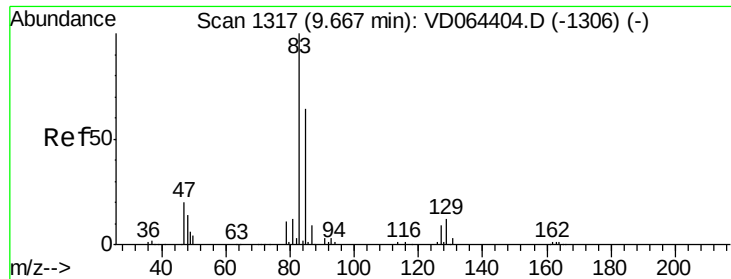
10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 21.766 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

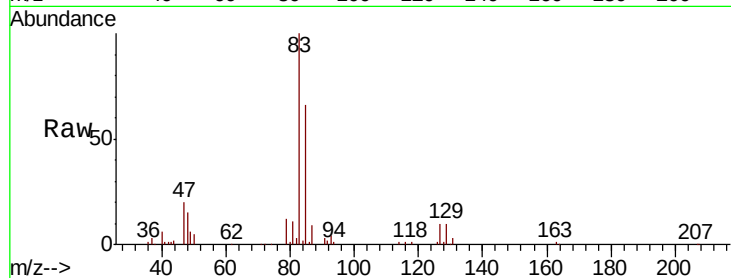
Tot Ion: 83 Resp: 117556

Ion Ratio Lower Upper

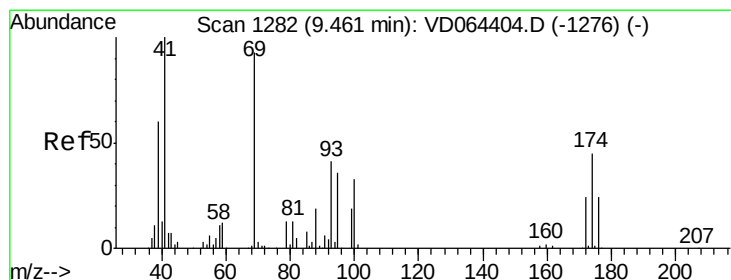
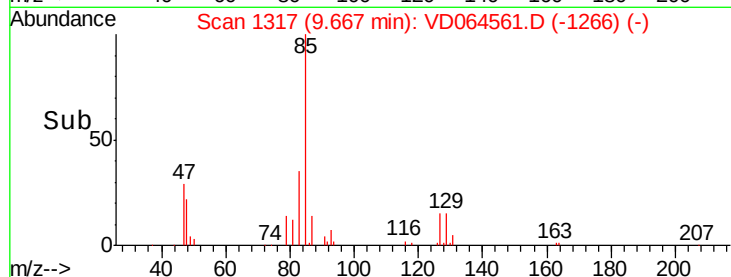
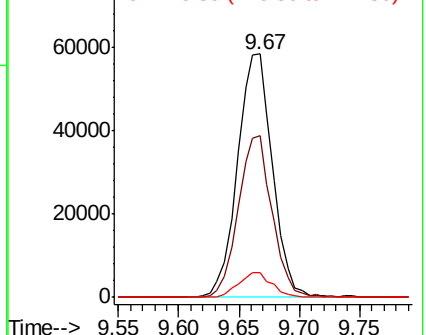
83 100

85 66.2 51.1 76.7

127 10.1 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.710 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

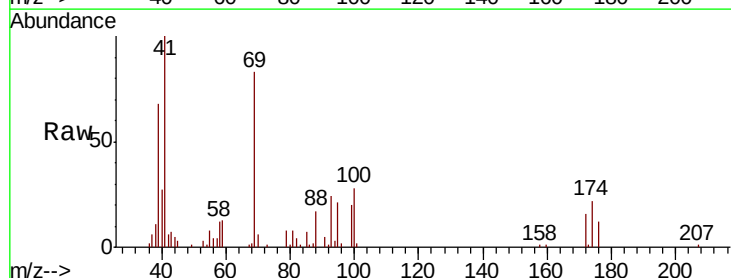
Tgt Ion: 41 Resp: 40049

Ion Ratio Lower Upper

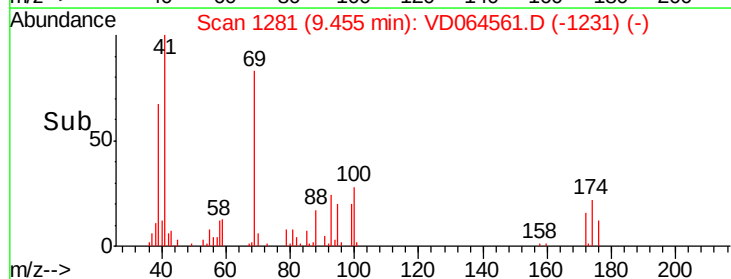
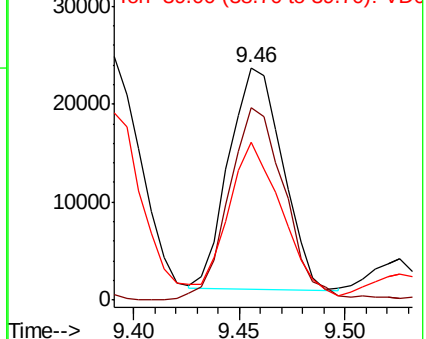
41 100

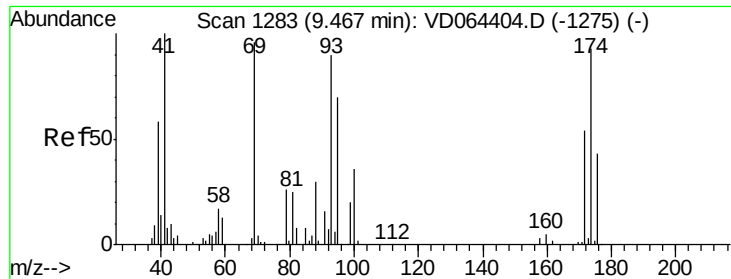
69 91.1 72.0 108.0

39 68.0 55.2 82.8



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

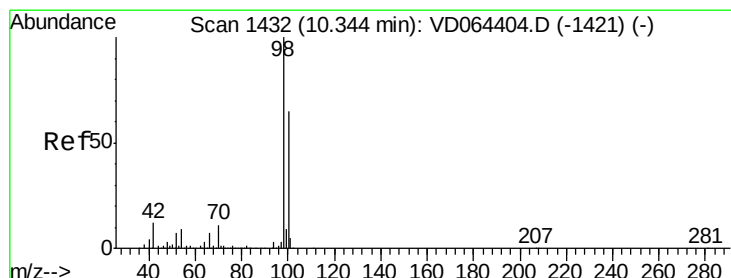
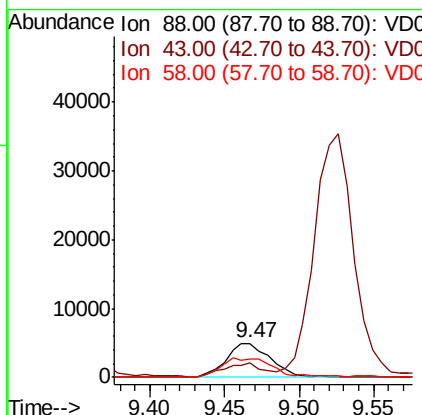
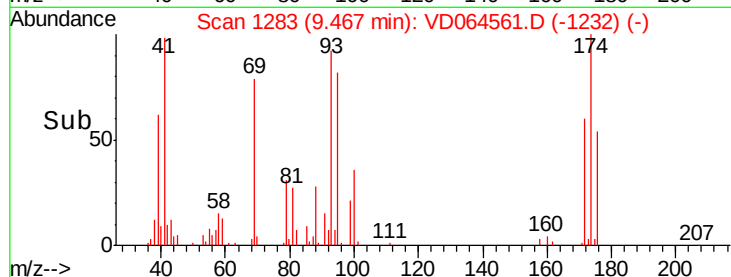
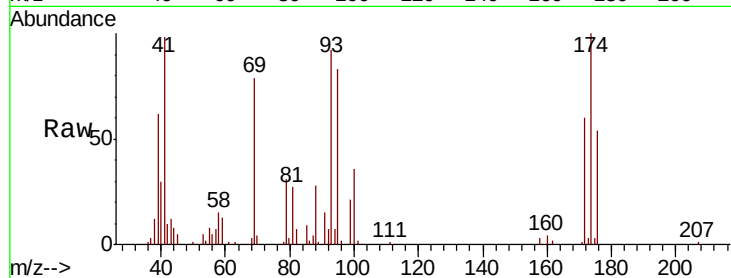




#49
1,4-Dioxane
Concen: 389.504 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

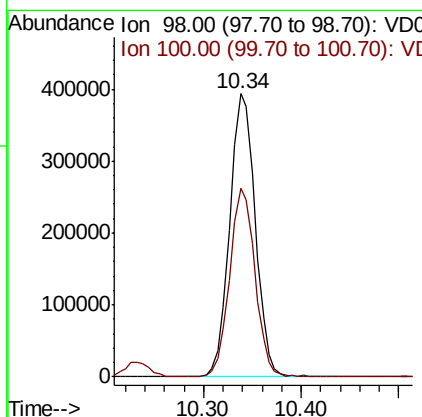
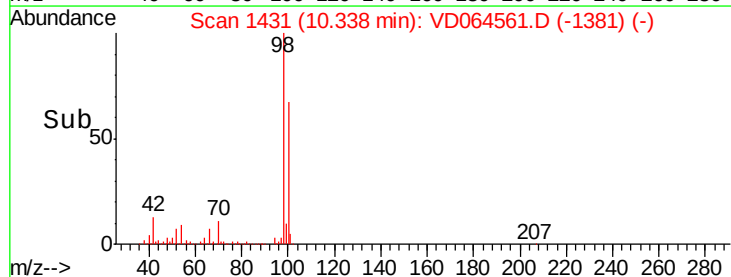
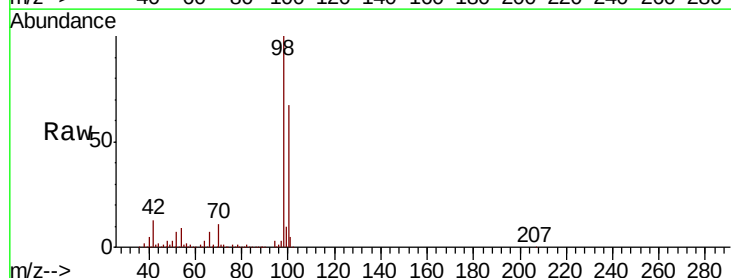
Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

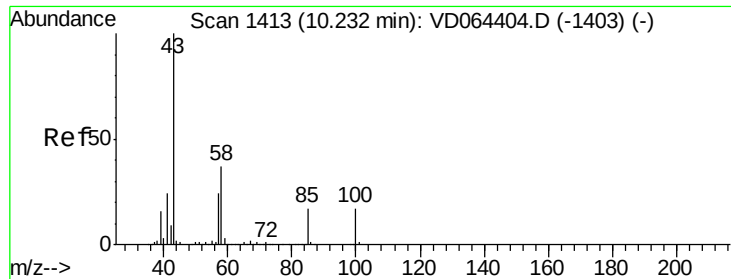
Tot Ion: 88 Resp: 10110
Ion Ratio Lower Upper
88 100
43 38.9 26.7 40.1
58 66.6 52.3 78.5



#50
Toluene-d8
Concen: 50.894 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 98 Resp: 715997
Ion Ratio Lower Upper
98 100
100 66.3 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 97.319 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

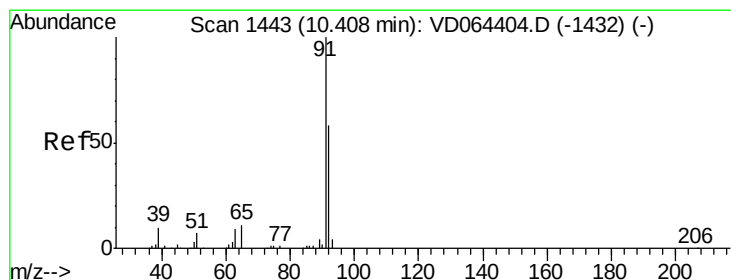
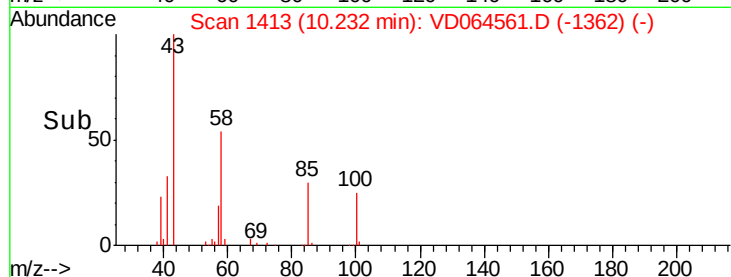
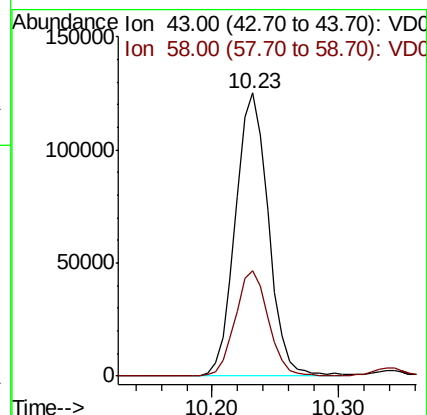
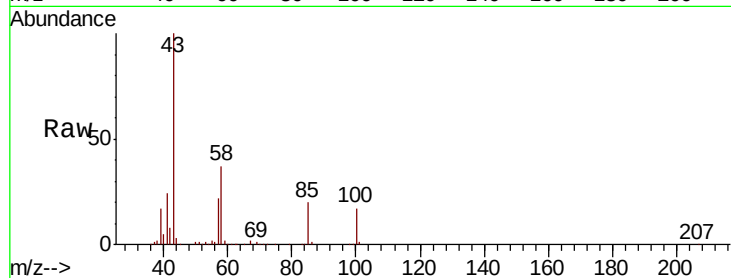
VD1223SBS01

Tot Ion: 43 Resp: 225244

Ion Ratio Lower Upper

43 100

58 37.5 30.6 46.0



#52

Toluene

Concen: 21.067 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064561.D

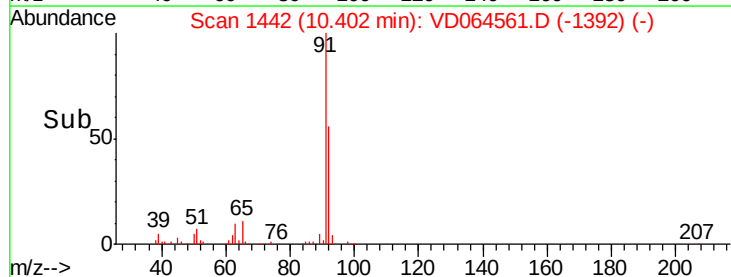
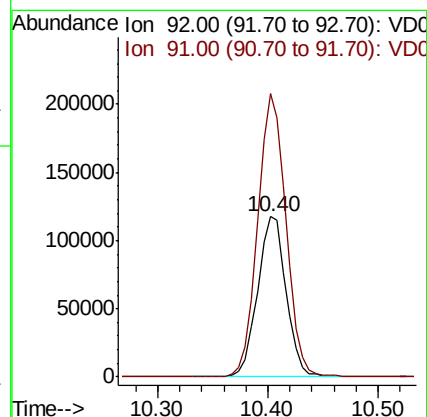
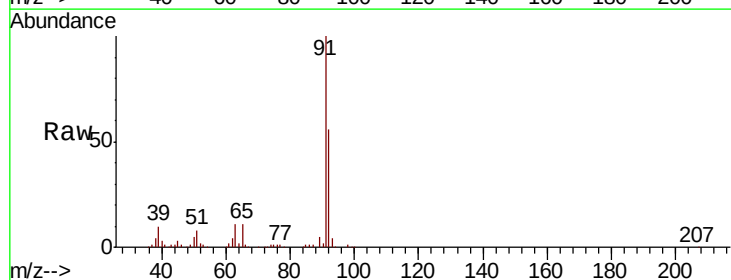
Acq: 23 Dec 2019 11:47

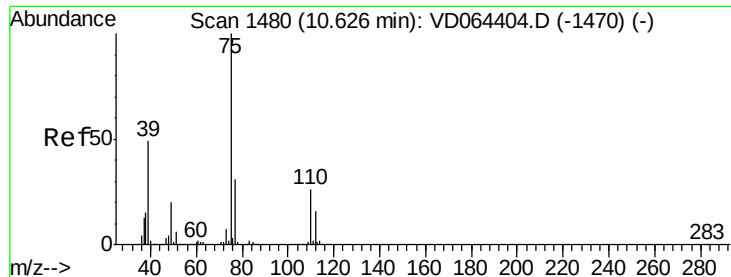
Tgt Ion: 92 Resp: 213802

Ion Ratio Lower Upper

92 100

91 175.4 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 21.128 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

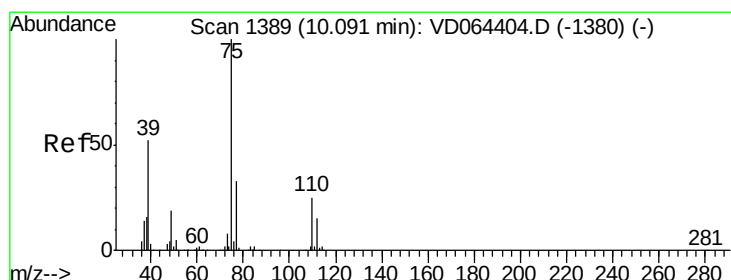
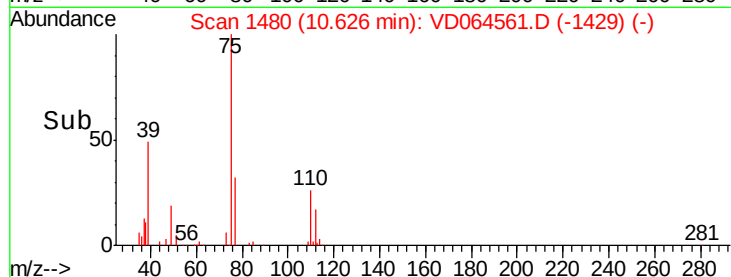
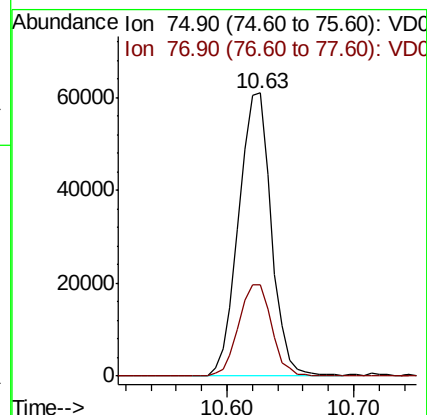
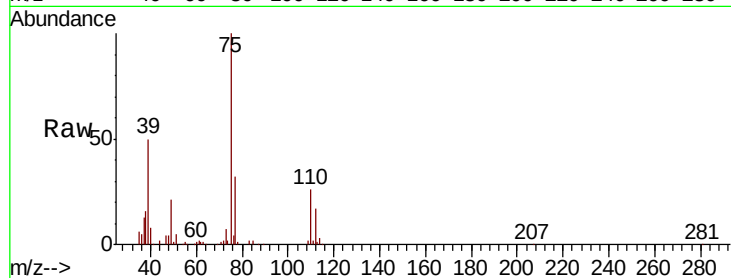
VD1223SBS01

Tot Ion: 75 Resp: 108750

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 21.497 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

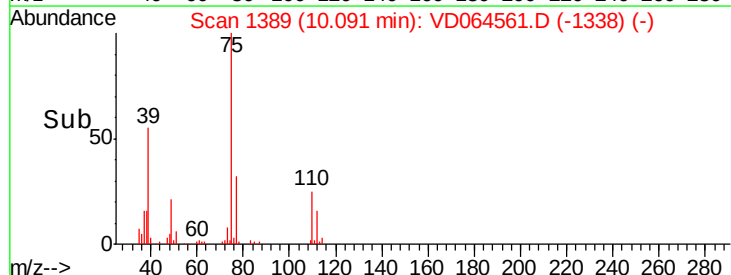
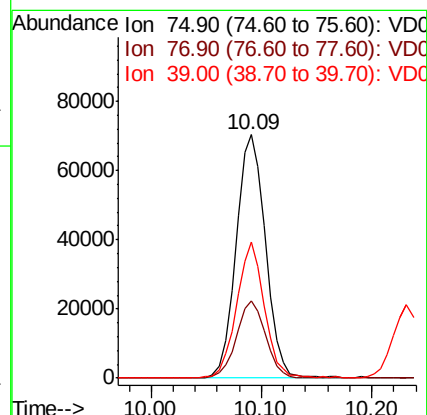
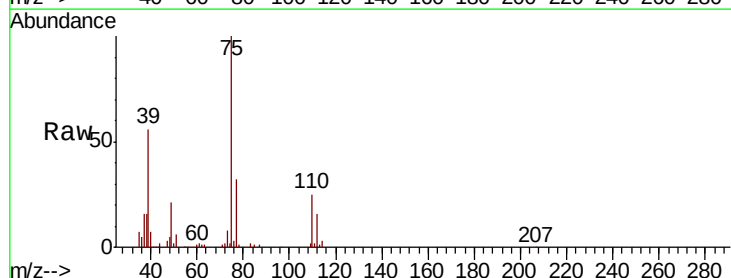
Tgt Ion: 75 Resp: 131449

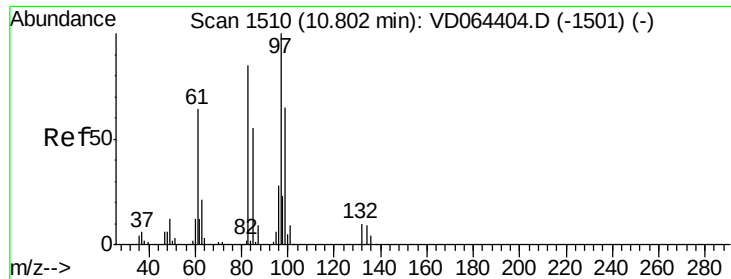
Ion Ratio Lower Upper

75 100

77 31.6 26.1 39.1

39 55.9 41.5 62.3

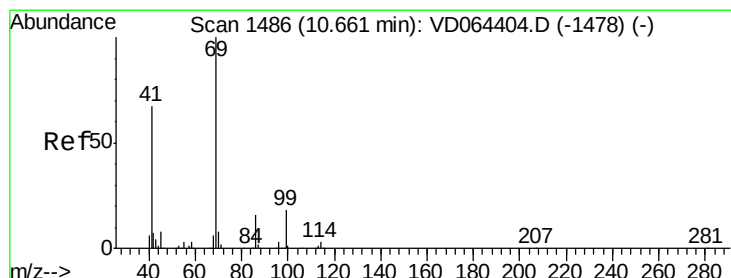
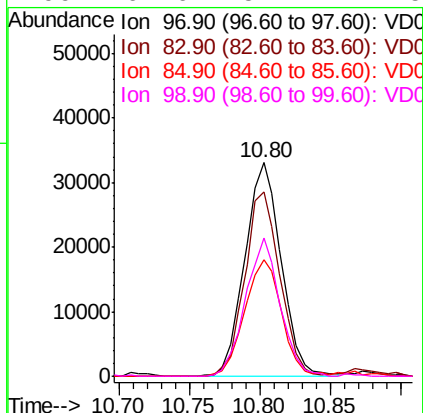
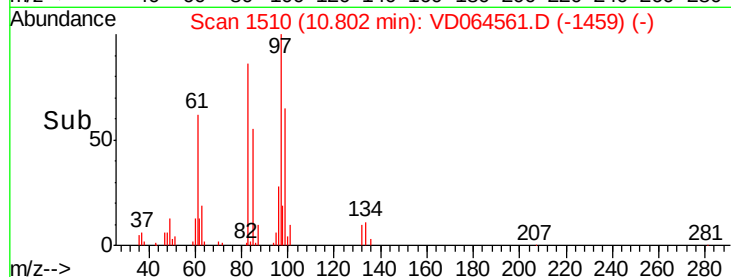
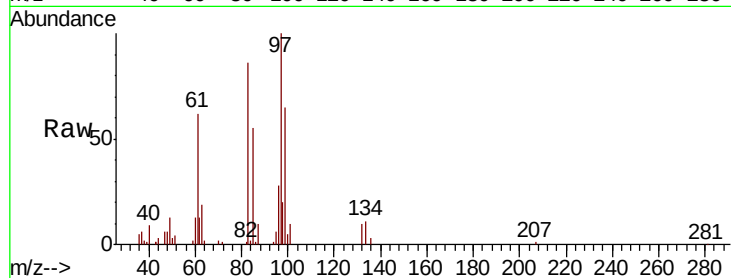




#55
 1,1,2-Trichloroethane
 Concen: 20.761 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

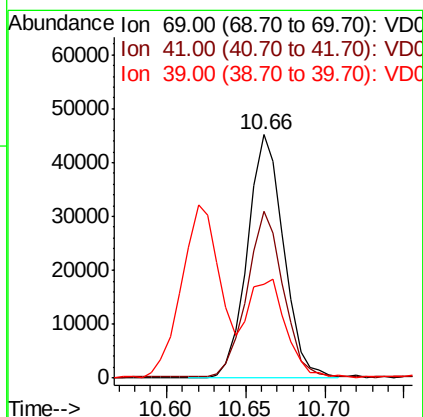
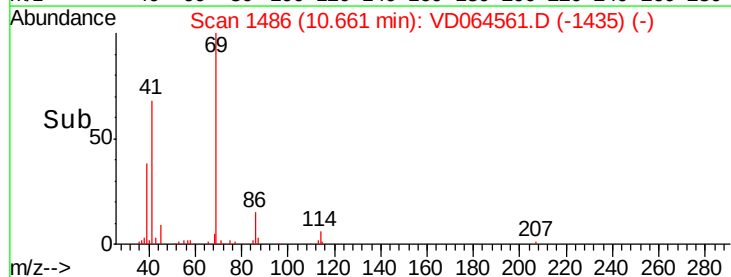
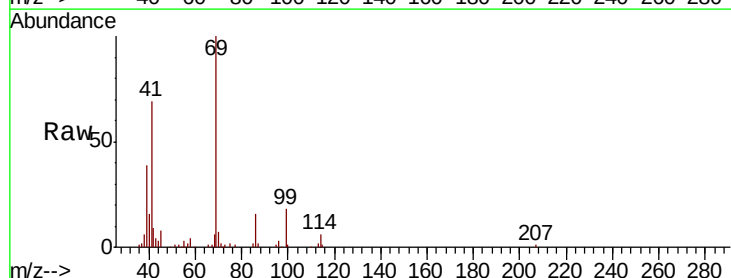
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

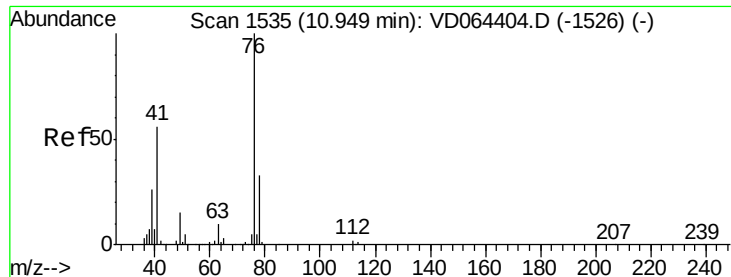
Tot Ion:	97	Resp:	59755
Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.8	101.8
85	54.6	43.7	65.5
99	64.6	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 19.548 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion:	69	Resp:	71759
Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.0	82.4
39	42.3	33.0	49.6

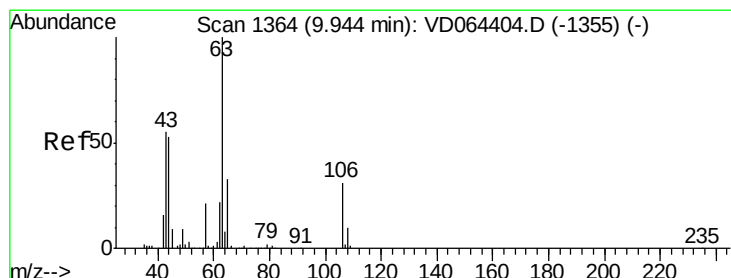
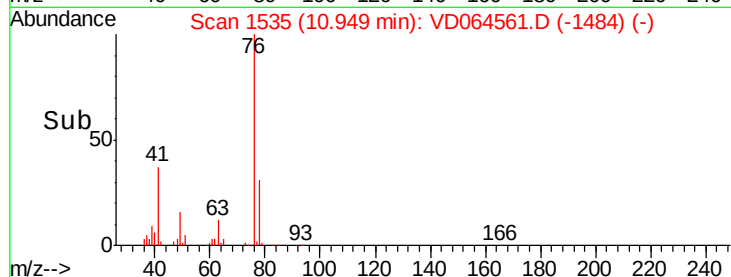
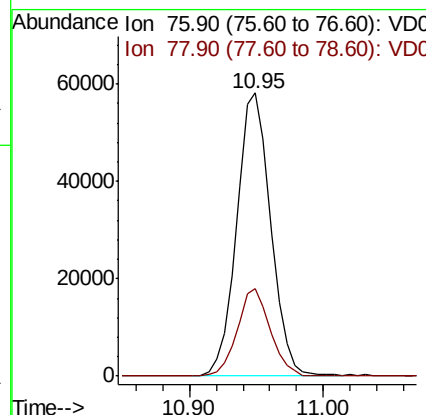
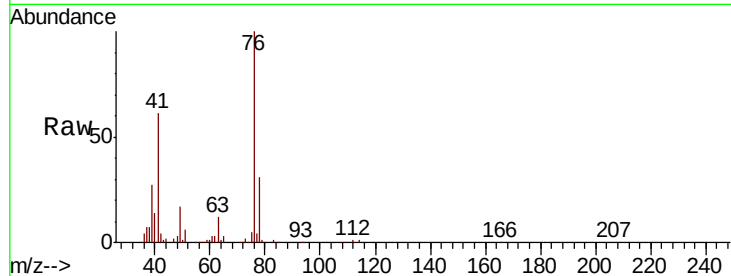




#57
 1,3-Dichloropropane
 Concen: 20.976 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

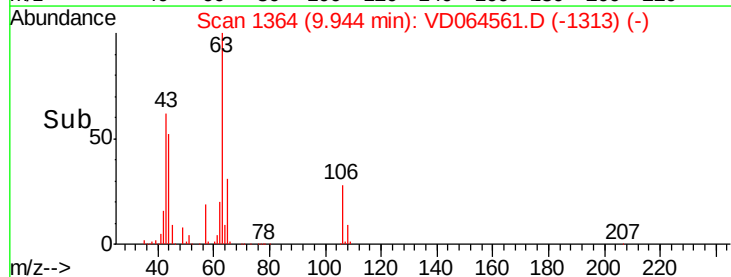
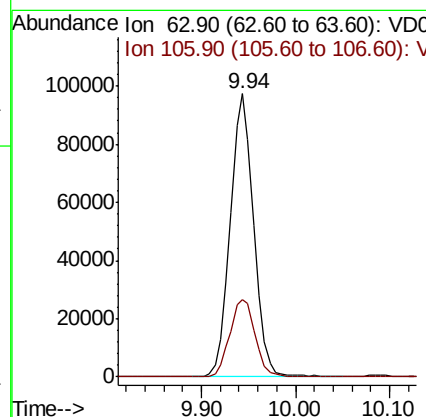
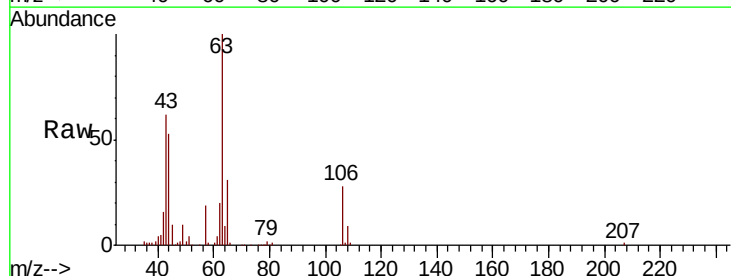
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

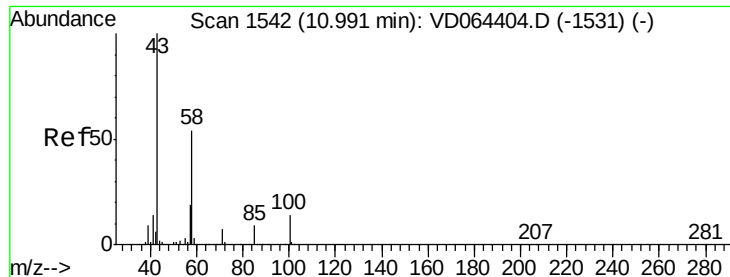
Tot Ion: 76 Resp: 102771
 Ion Ratio Lower Upper
 76 100
 78 30.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.795 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion: 63 Resp: 167989
 Ion Ratio Lower Upper
 63 100
 106 29.5 24.2 36.4

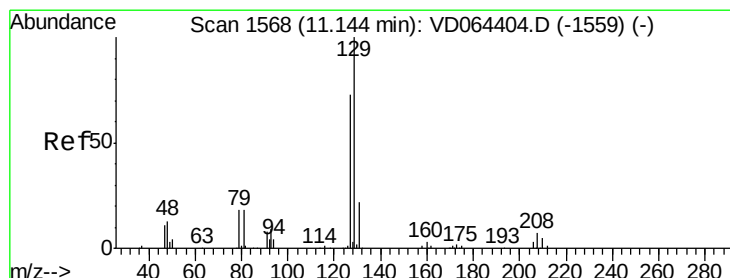
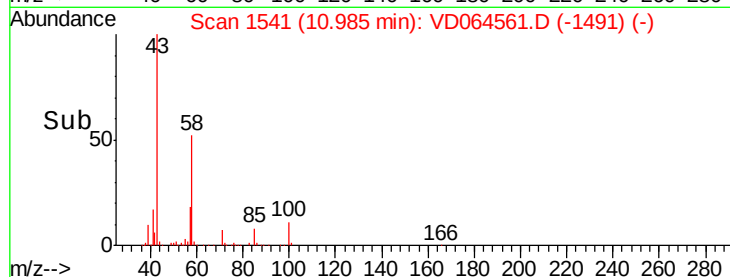
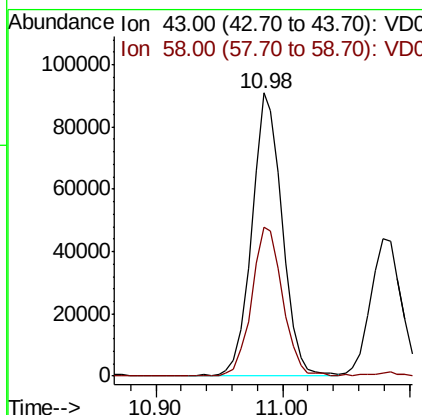
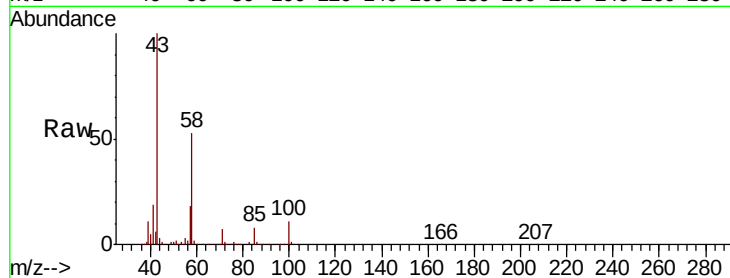




#59
2-Hexanone
Concen: 94.391 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

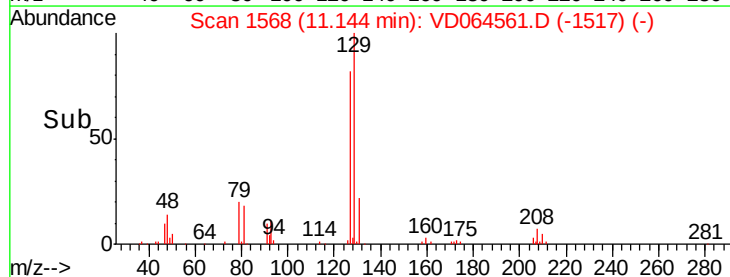
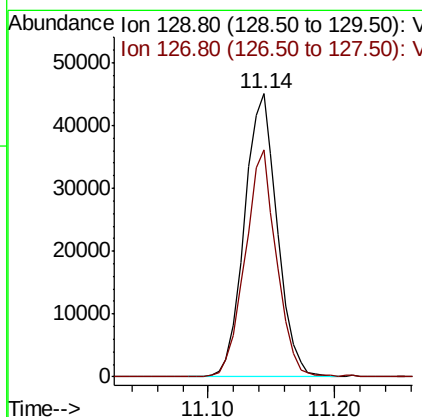
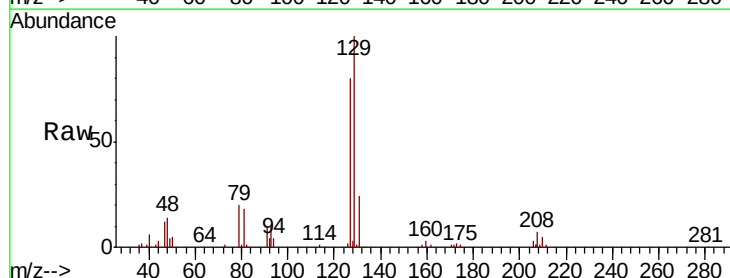
Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

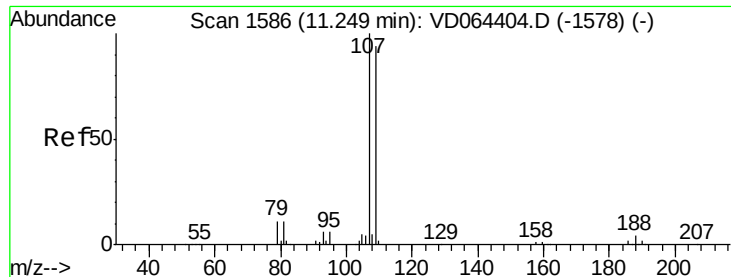
Tot Ion: 43 Resp: 151591
Ion Ratio Lower Upper
43 100
58 53.6 26.3 78.8



#60
Dibromochloromethane
Concen: 20.712 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 129 Resp: 80828
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3

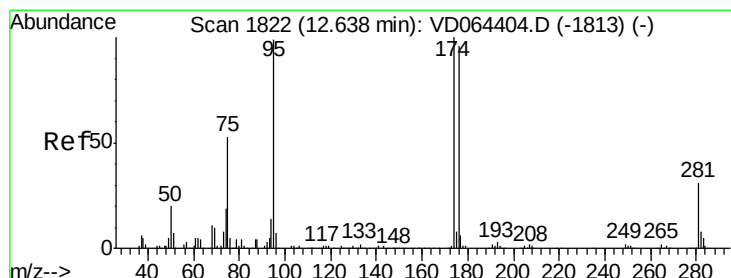
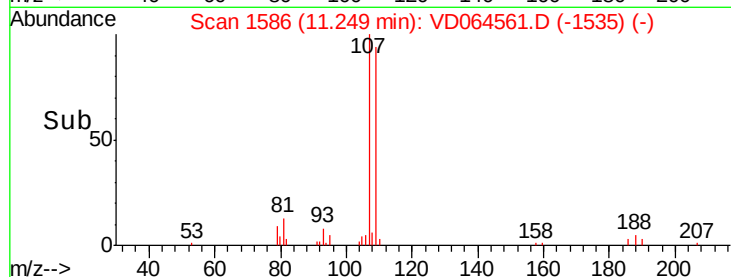
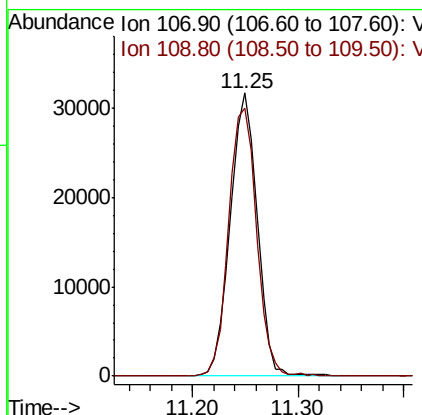
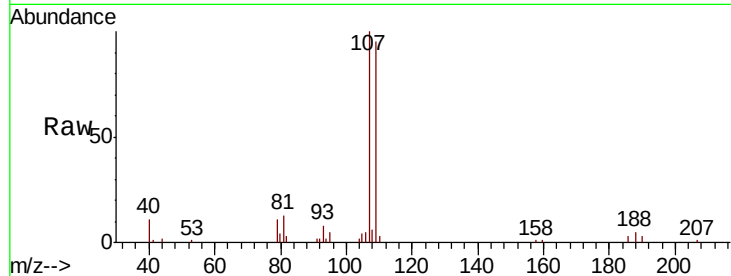




#61
 1,2-Dibromoethane
 Concen: 19.511 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

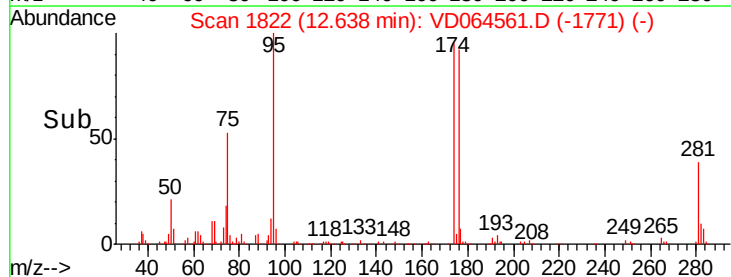
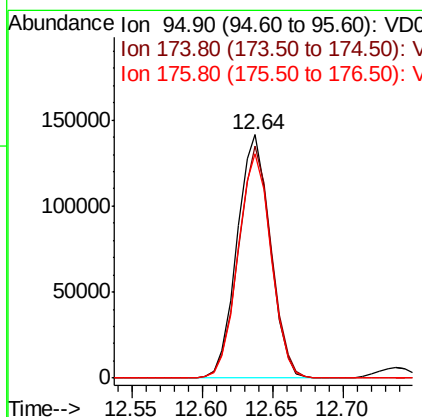
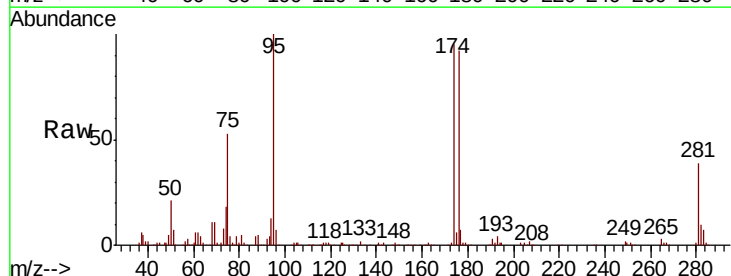
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

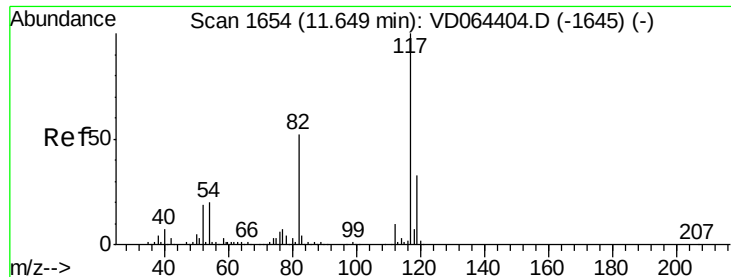
Tot Ion:107 Resp: 56070
 Ion Ratio Lower Upper
 107 100
 109 97.9 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 51.177 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion: 95 Resp: 231381
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 197.2
 176 92.2 0.0 189.6

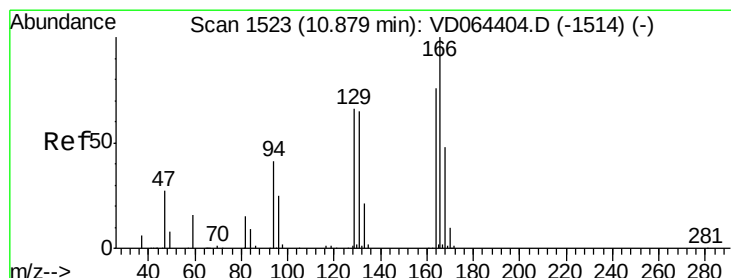
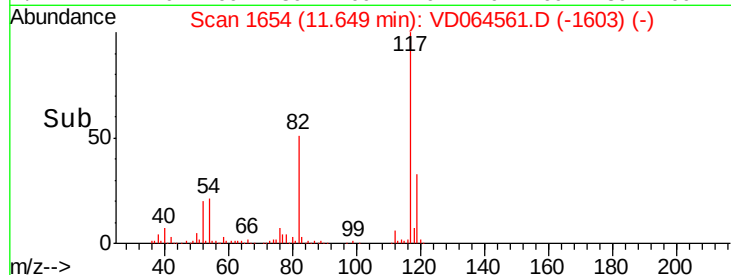
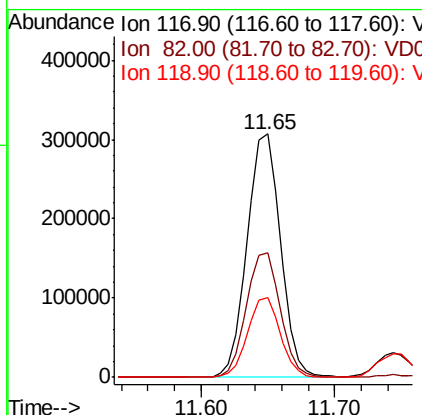
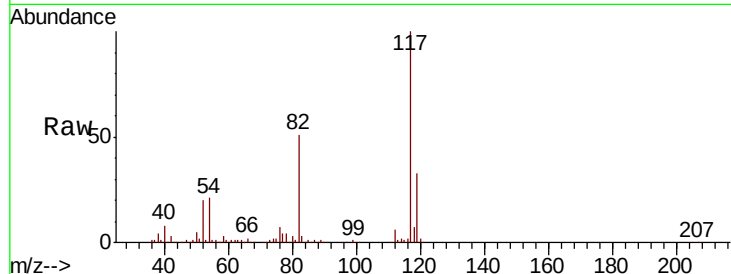




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

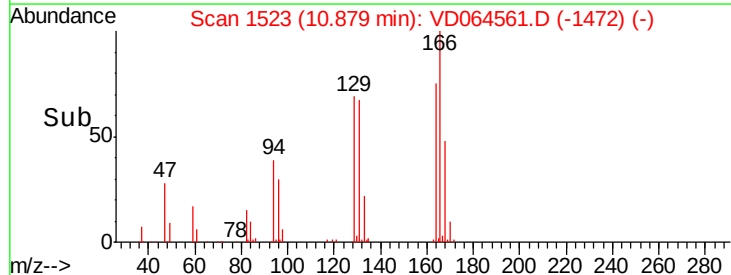
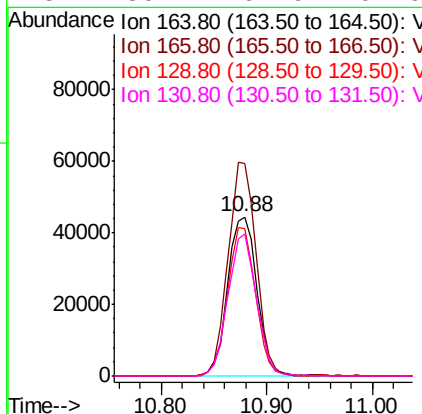
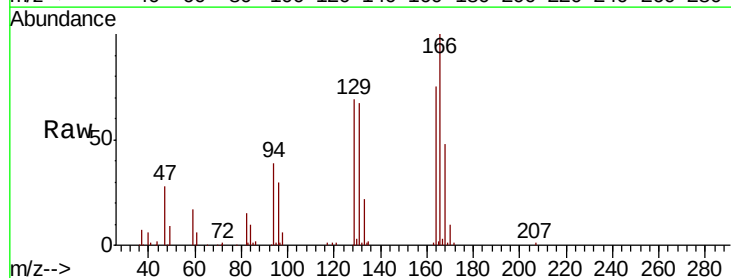
Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

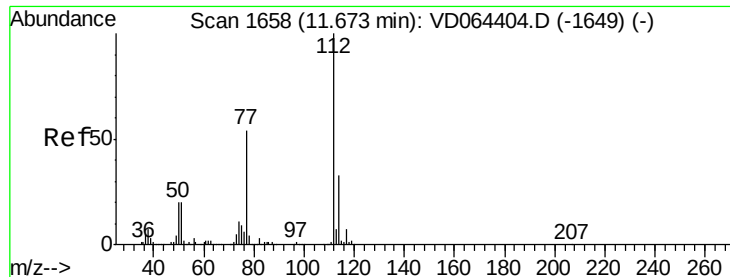
Tot Ion:117 Resp: 532328
Ion Ratio Lower Upper
117 100
82 51.4 41.4 62.2
119 32.6 26.2 39.2



#64
Tetrachloroethene
Concen: 20.856 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion:164 Resp: 84663
Ion Ratio Lower Upper
164 100
166 133.4 104.8 157.2
129 92.7 68.7 103.1
131 89.1 67.9 101.9





#65

Chlorobenzene

Concen: 21.079 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

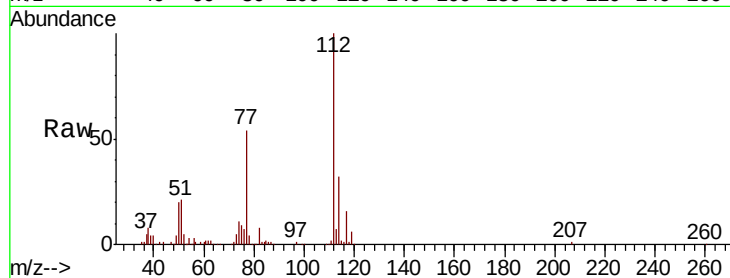
VD1223SBS01

Tot Ion:112 Resp: 234035

Ion Ratio Lower Upper

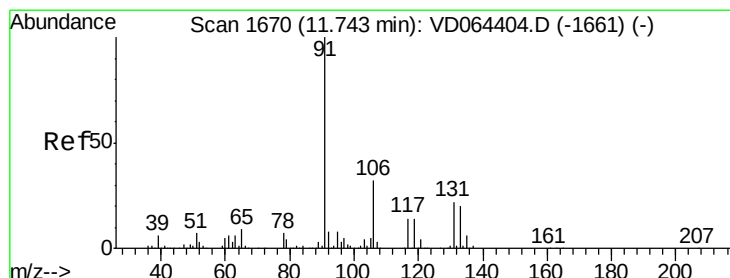
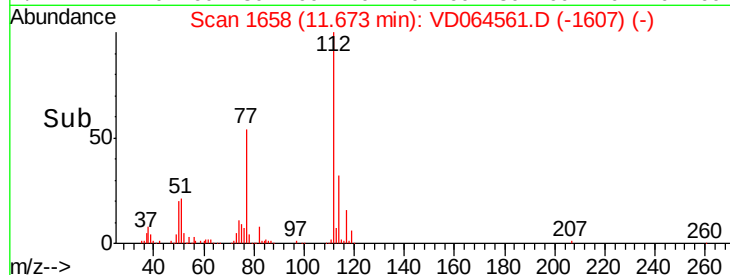
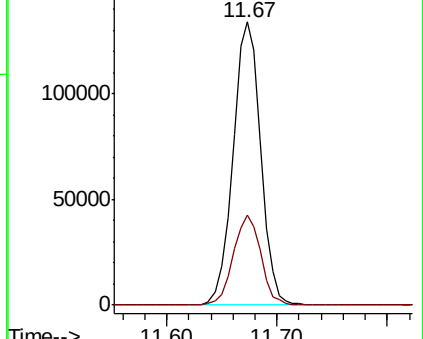
112 100

114 32.0 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.870 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

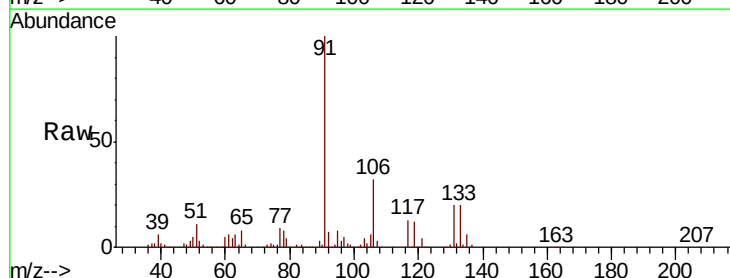
Tgt Ion:131 Resp: 85779

Ion Ratio Lower Upper

131 100

133 98.1 48.3 144.9

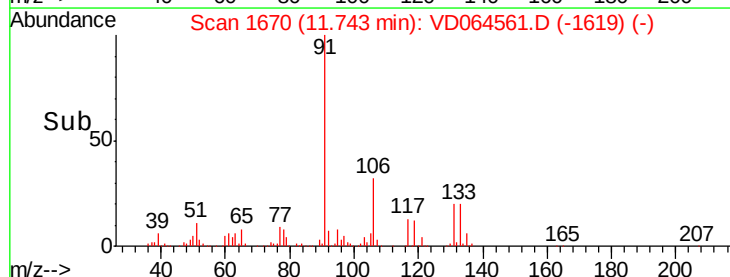
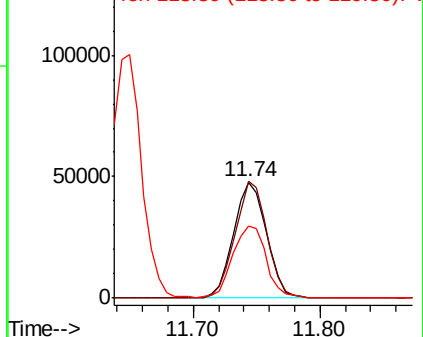
119 63.7 31.9 95.9

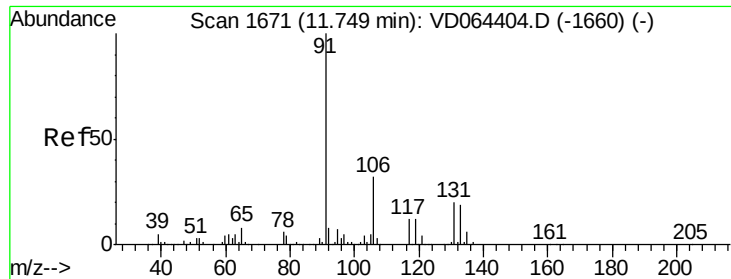


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

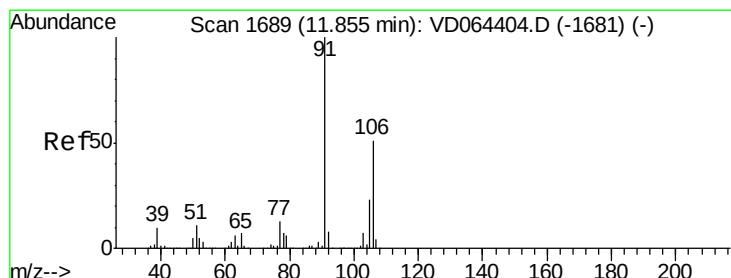
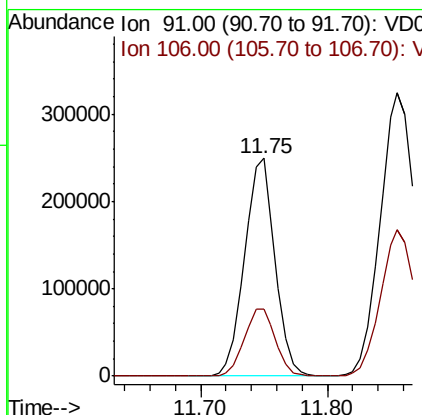
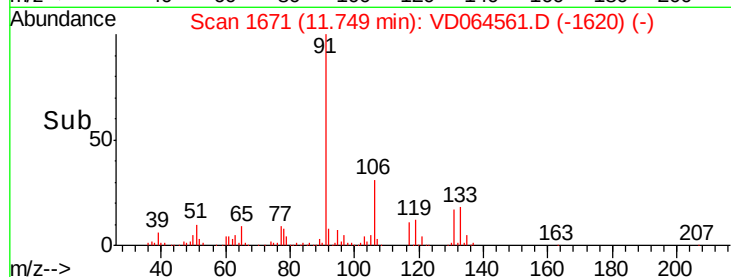
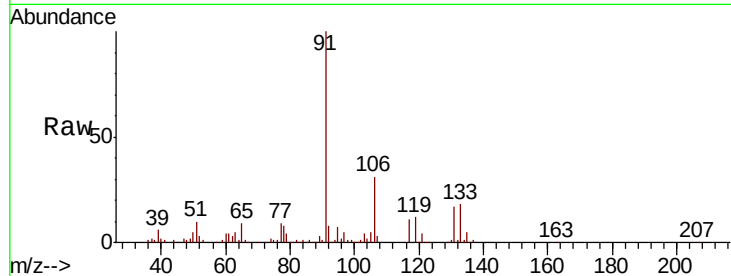




#67
Ethyl Benzene
Concen: 21.071 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

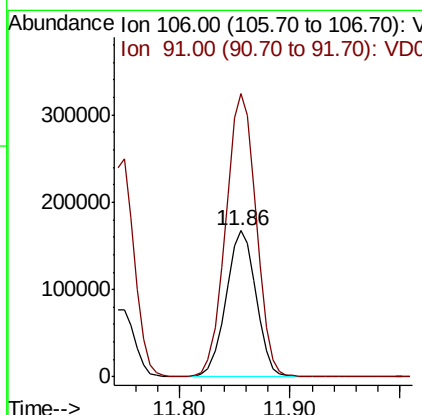
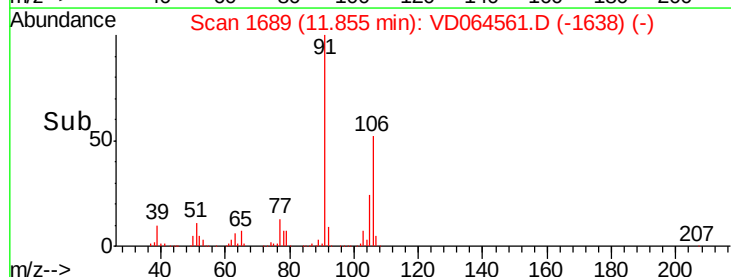
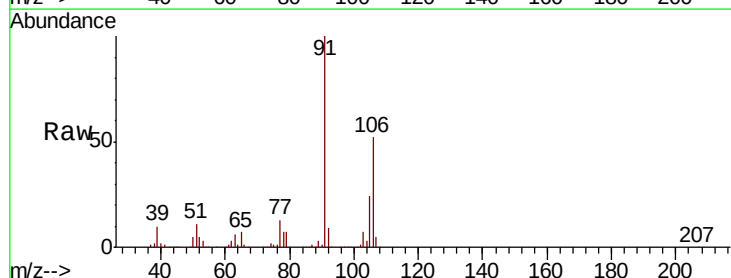
Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

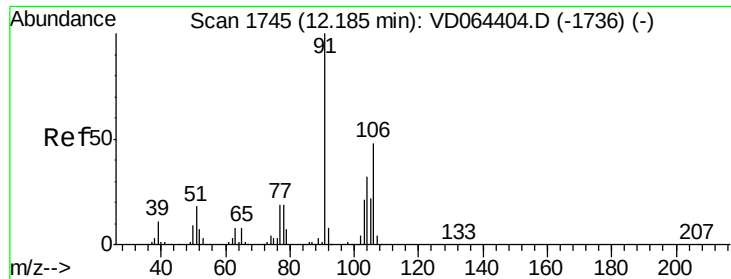
Tot Ion: 91 Resp: 416248
Ion Ratio Lower Upper
91 100
106 31.0 25.8 38.8



#68
m/p-Xylenes
Concen: 42.328 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 106 Resp: 318813
Ion Ratio Lower Upper
106 100
91 196.2 157.4 236.2

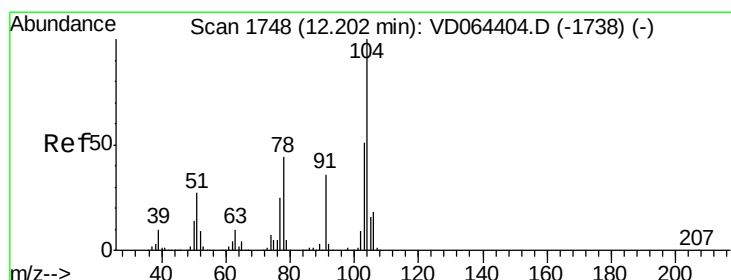
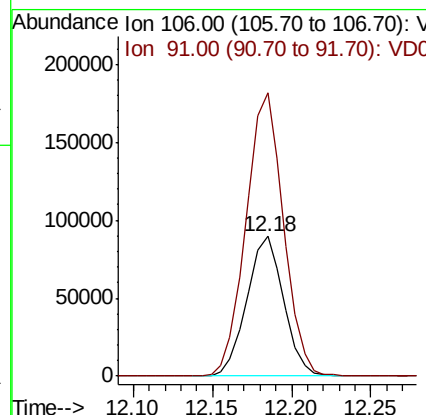
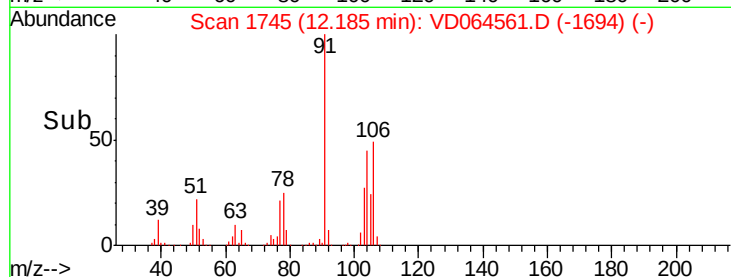
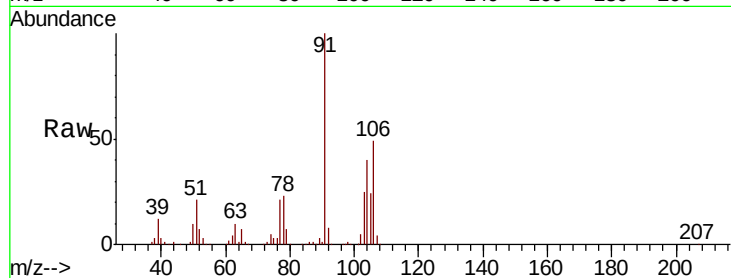




#69
o-Xylene
Concen: 20.829 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

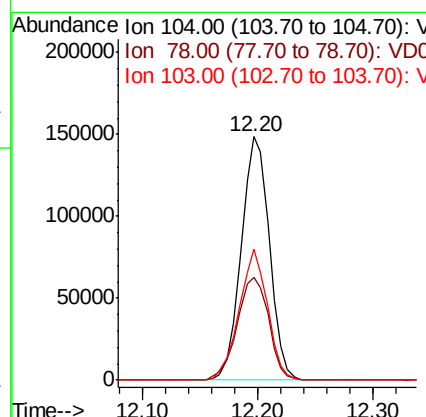
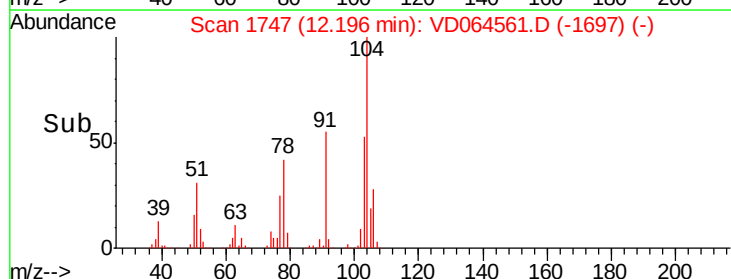
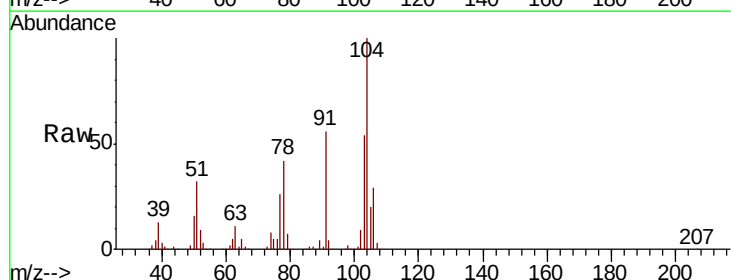
Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

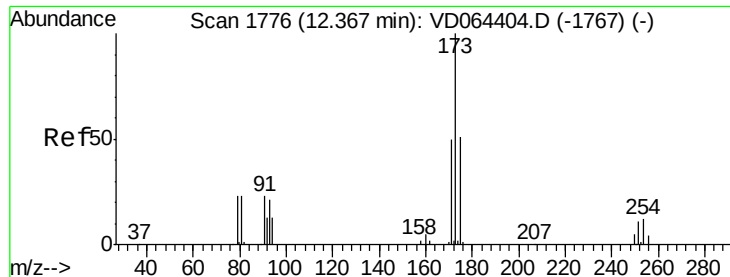
Tot Ion:106 Resp: 144892
Ion Ratio Lower Upper
106 100
91 205.9 103.8 311.4



#70
Styrene
Concen: 20.767 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion:104 Resp: 251040
Ion Ratio Lower Upper
104 100
78 47.1 38.8 58.2
103 54.1 44.2 66.4

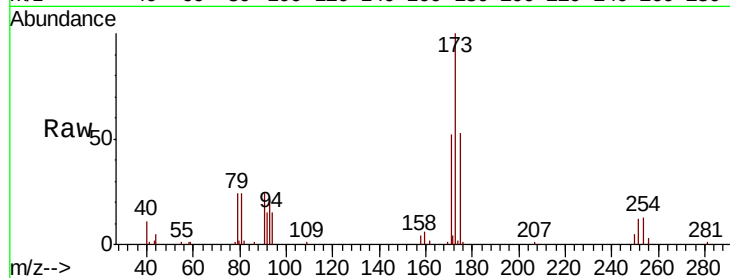




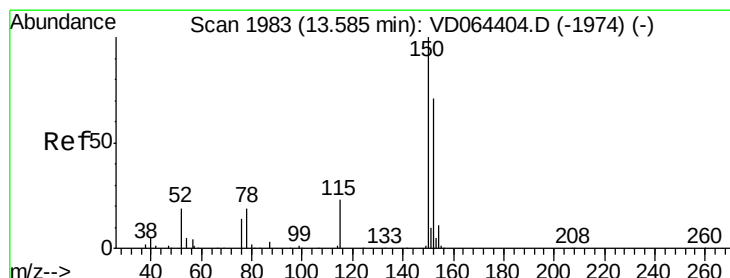
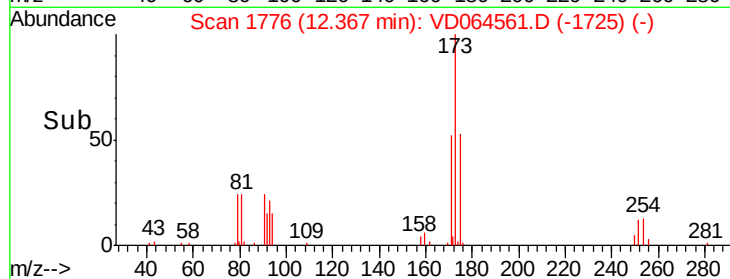
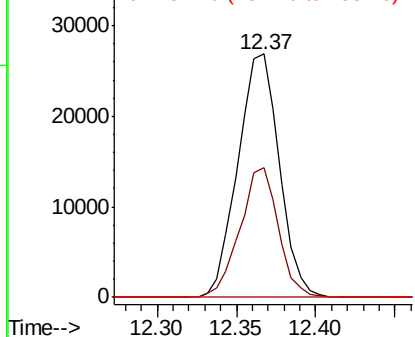
#71
Bromoform
Concen: 19.822 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

Tot Ion:173 Resp: 48743
Ion Ratio Lower Upper
173 100
175 49.5 25.3 75.8
254 0.0 0.0 0.0

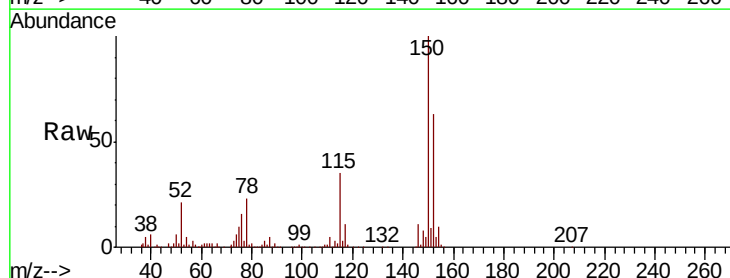


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

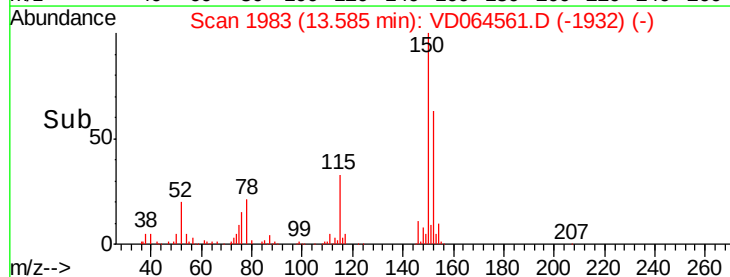
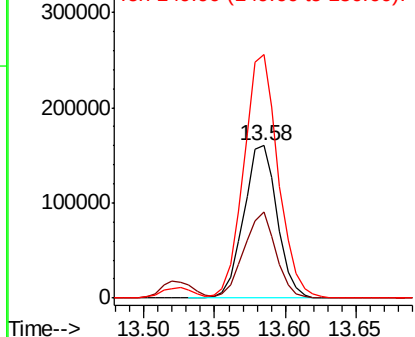


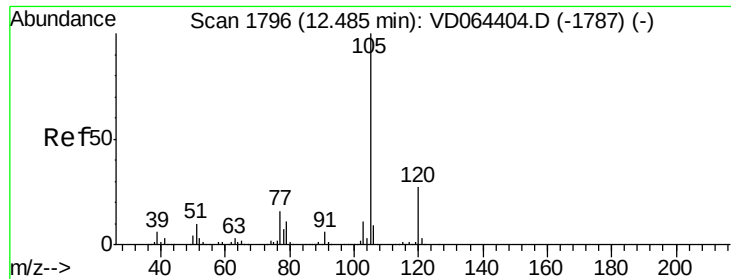
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion:152 Resp: 264620
Ion Ratio Lower Upper
152 100
115 54.6 26.7 80.1
150 164.3 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

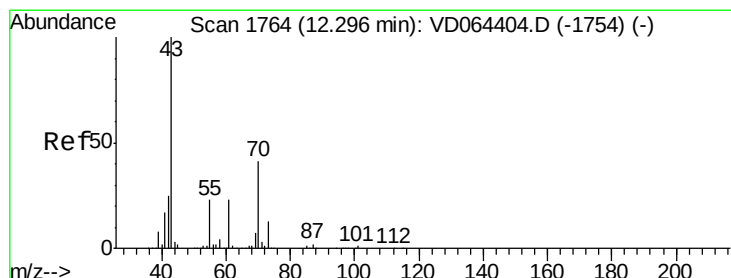
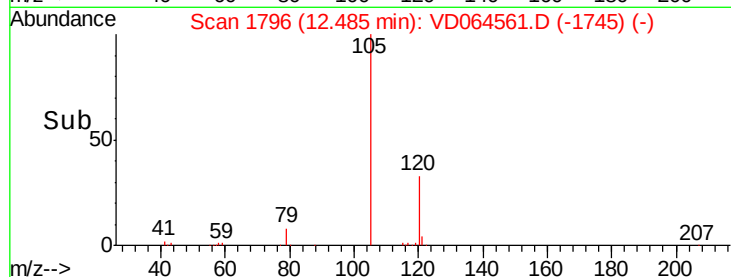
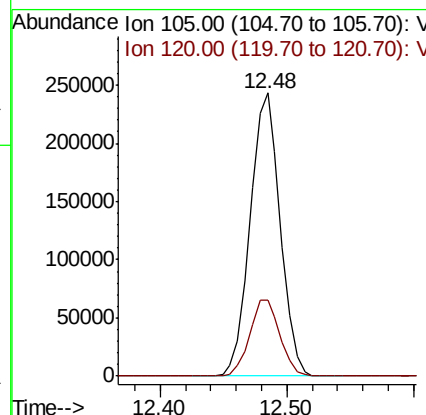
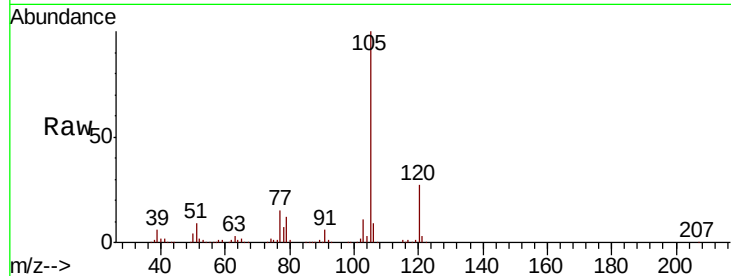




#73
Isopropylbenzene
Concen: 20.982 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

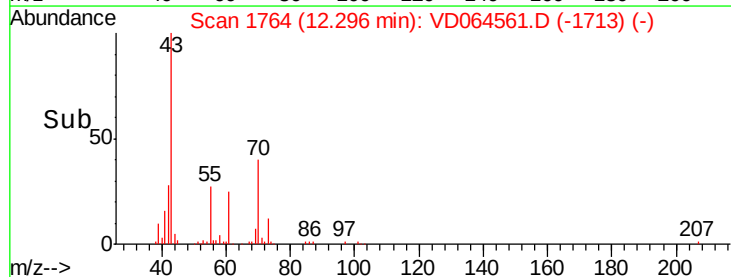
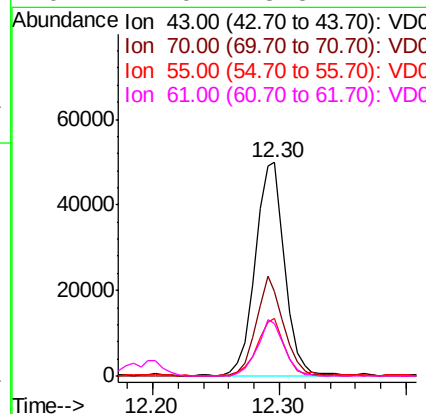
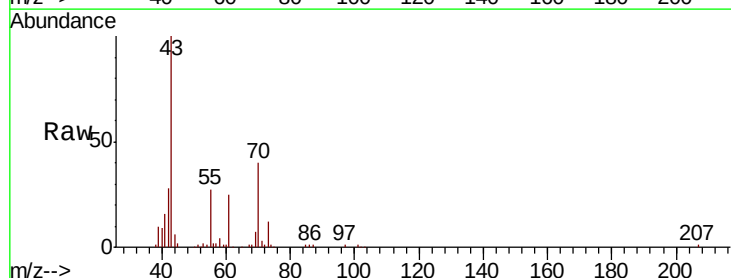
Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

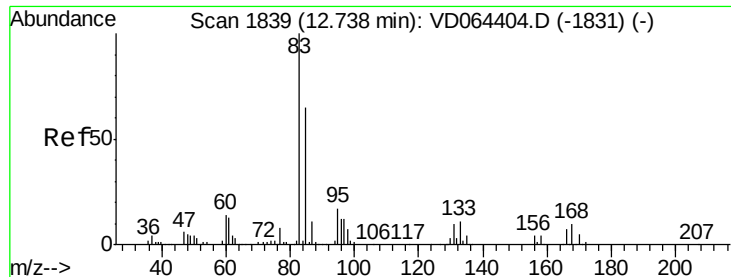
Tot Ion:105 Resp: 399316
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.2



#74
N-ethyl acetate
Concen: 18.694 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 43 Resp: 80749
Ion Ratio Lower Upper
43 100
70 43.2 33.4 50.2
55 25.5 18.9 28.3
61 24.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.957 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

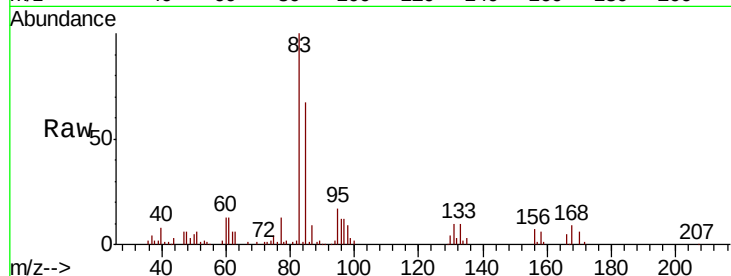
Tot Ion: 83 Resp: 62809

Ion Ratio Lower Upper

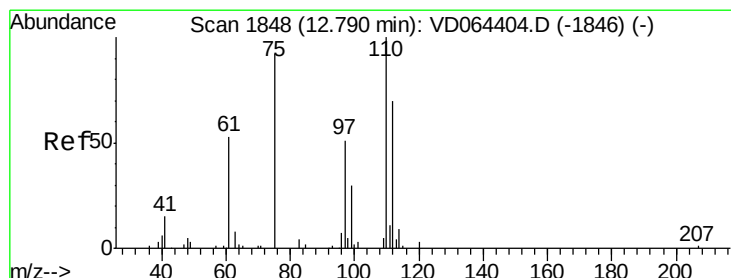
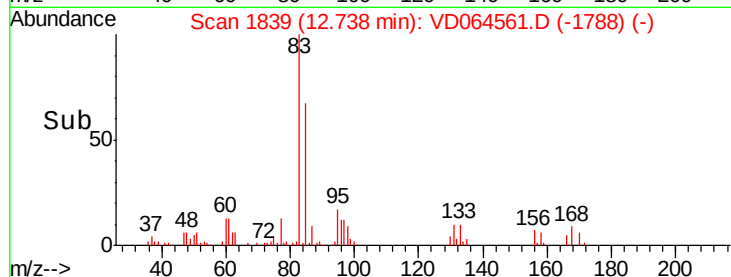
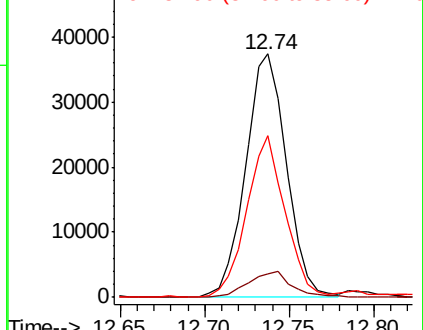
83 100

131 11.2 5.7 17.0

85 62.7 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 38.118 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064561.D

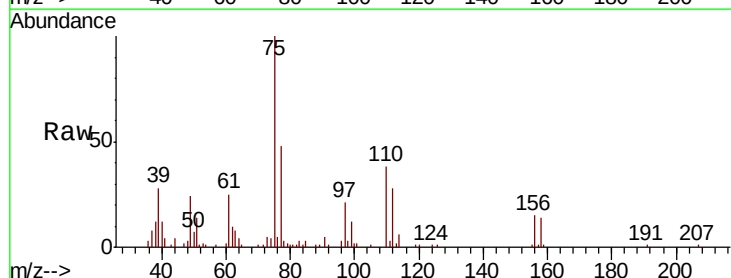
Acq: 23 Dec 2019 11:47

Tgt Ion: 75 Resp: 82950

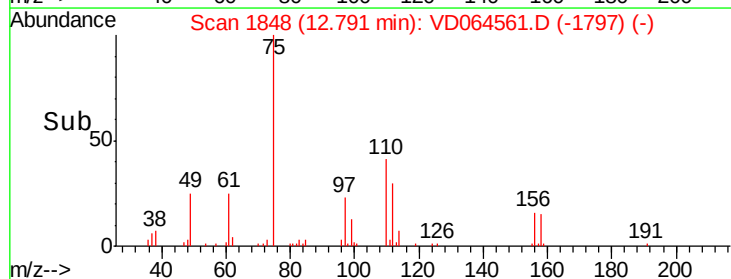
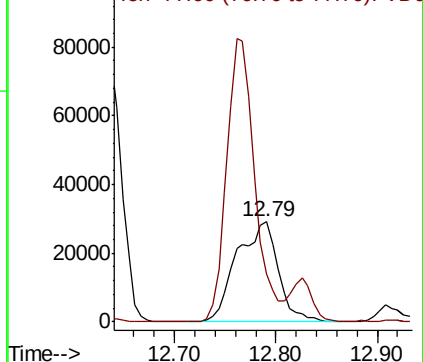
Ion Ratio Lower Upper

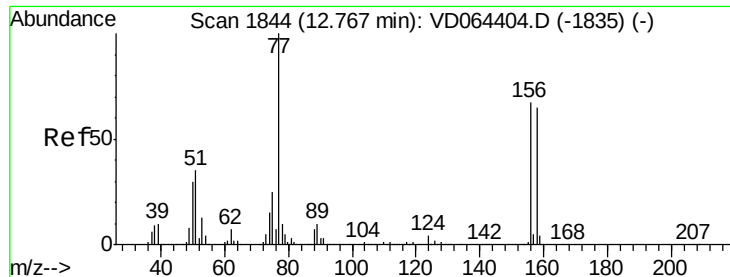
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC

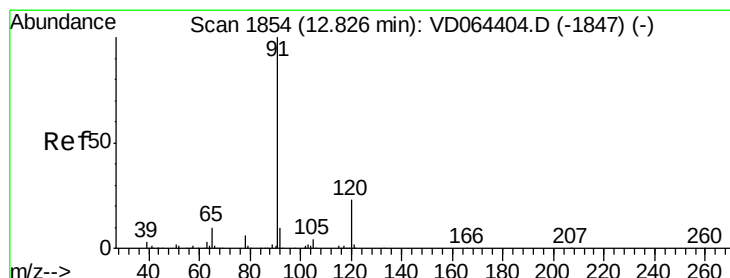
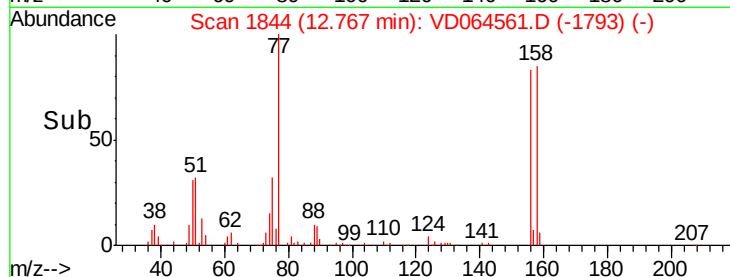
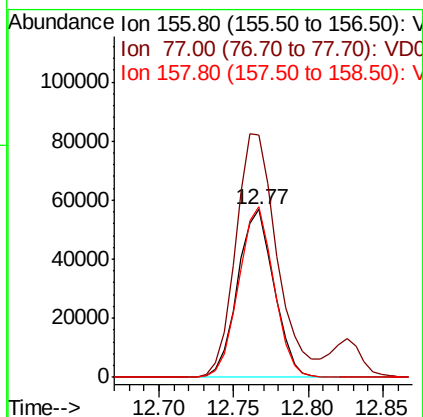
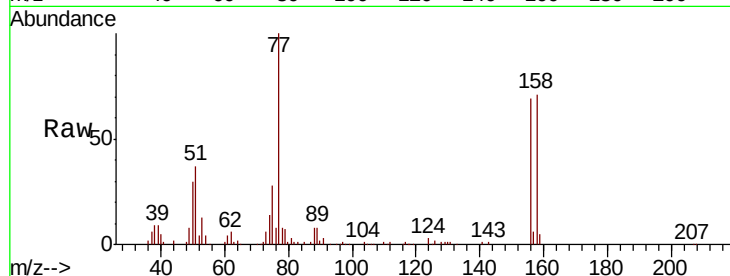




#77
Bromobenzene
Concen: 20.416 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

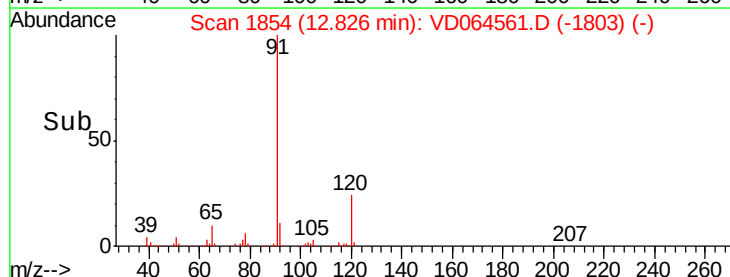
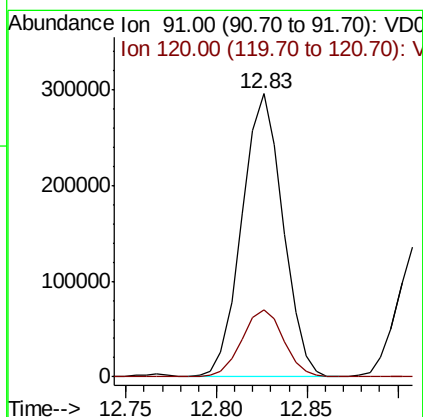
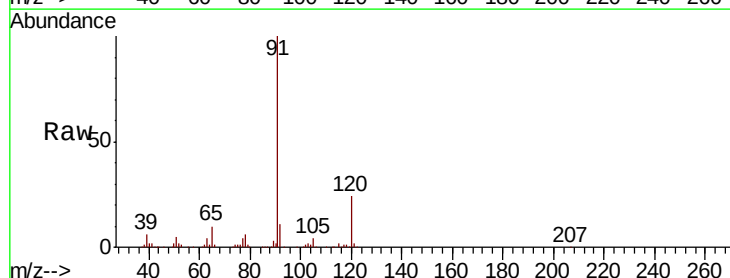
Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

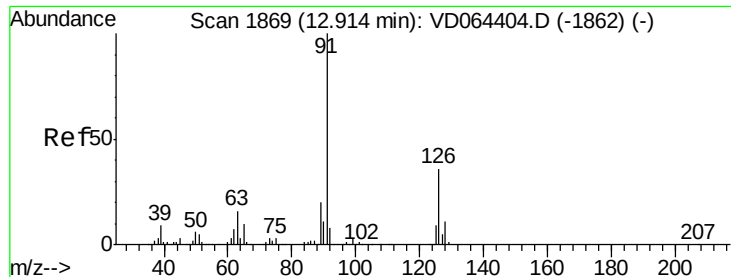
Tot Ion:156 Resp: 95953
Ion Ratio Lower Upper
156 100
77 166.0 80.0 240.2
158 98.3 48.9 146.6



#78
n-propylbenzene
Concen: 21.197 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 91 Resp: 465468
Ion Ratio Lower Upper
91 100
120 24.2 11.9 35.9





#79

2-Chlorotoluene

Concen: 20.780 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

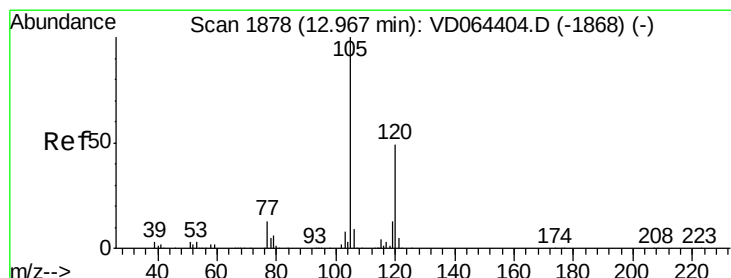
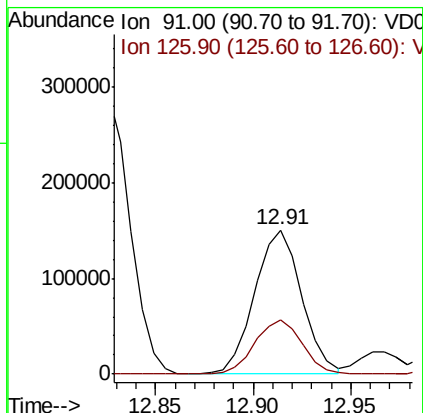
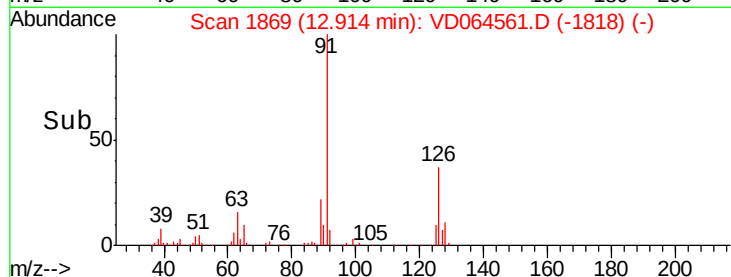
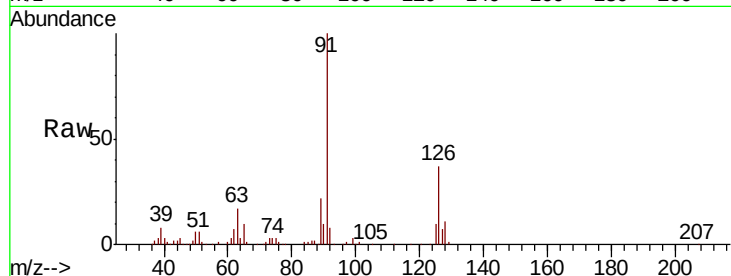
VD1223SBS01

Tot Ion: 91 Resp: 251085

Ion Ratio Lower Upper

91 100

126 37.7 18.0 54.0



#80

1,3,5-Trimethylbenzene

Concen: 20.847 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064561.D

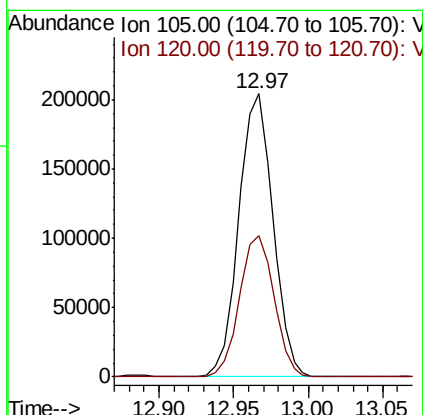
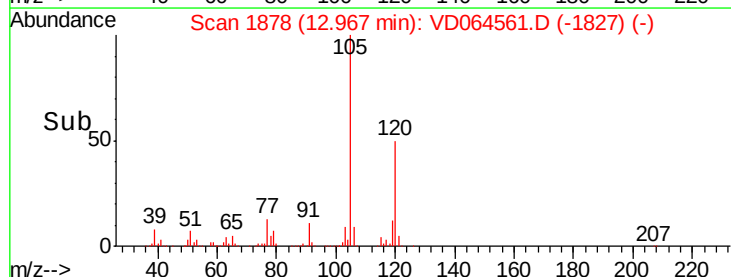
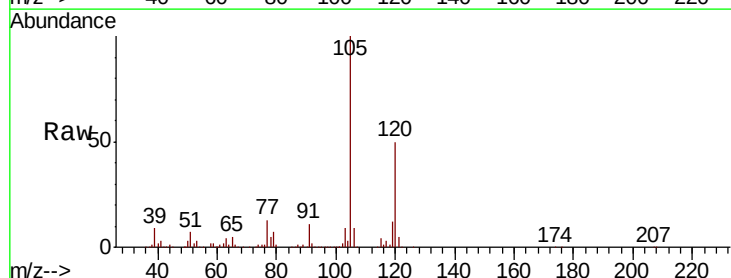
Acq: 23 Dec 2019 11:47

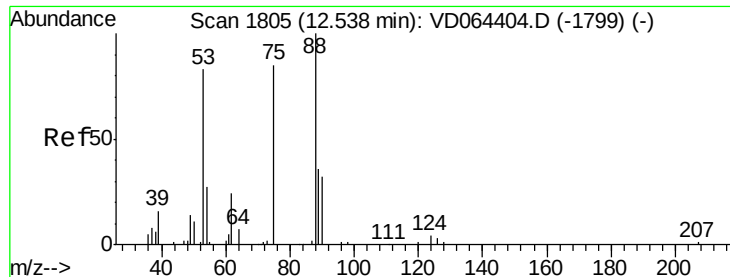
Tgt Ion: 105 Resp: 324233

Ion Ratio Lower Upper

105 100

120 50.8 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.802 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

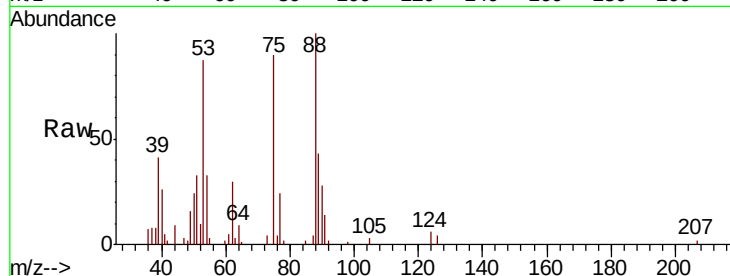
Tot Ion: 75 Resp: 20760

Ion Ratio Lower Upper

75 100

53 96.8 81.0 121.6

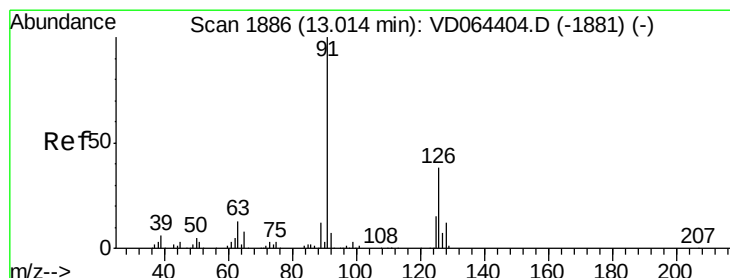
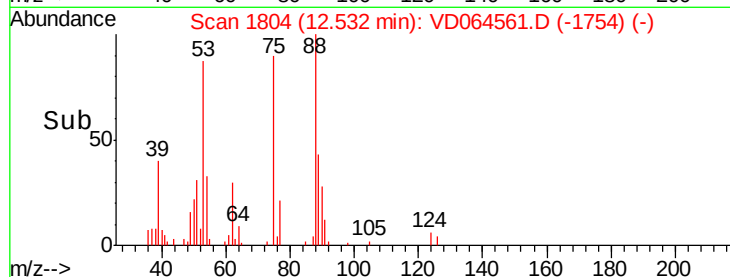
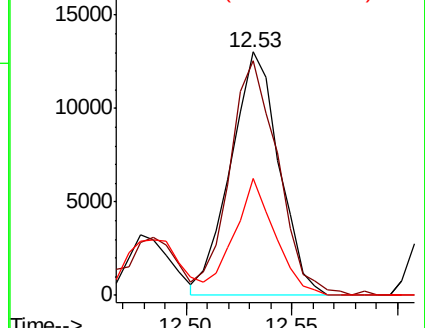
89 40.2 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.326 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064561.D

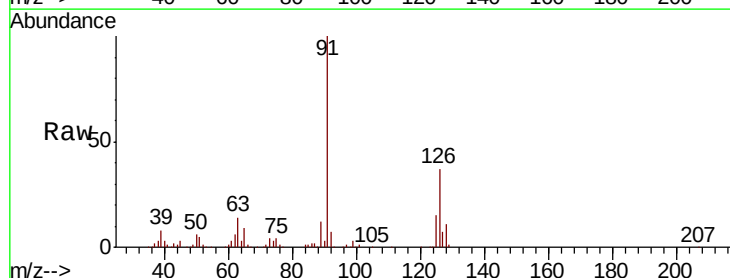
Acq: 23 Dec 2019 11:47

Tgt Ion: 91 Resp: 272822

Ion Ratio Lower Upper

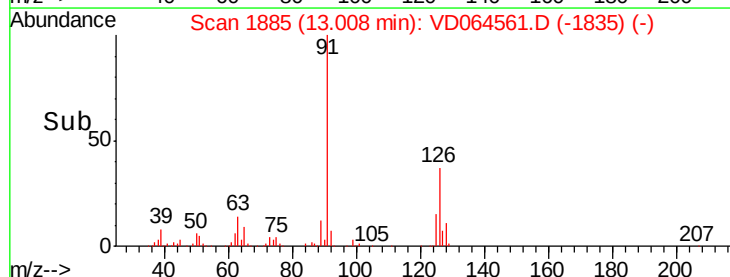
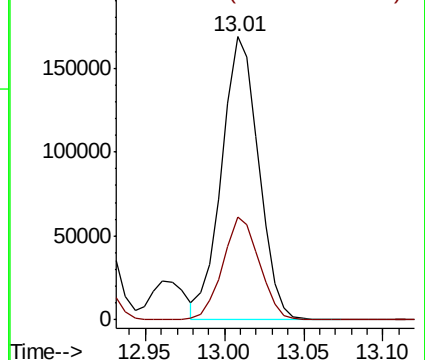
91 100

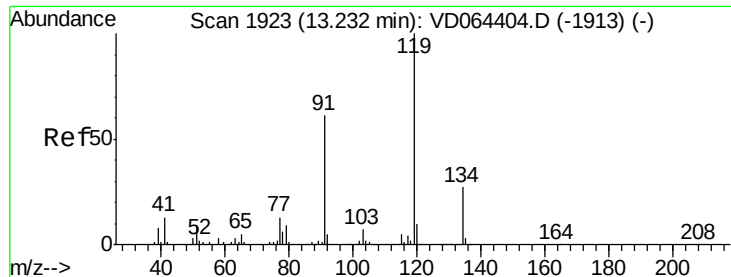
126 36.0 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

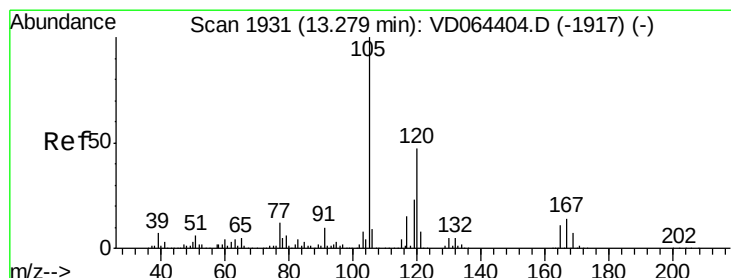
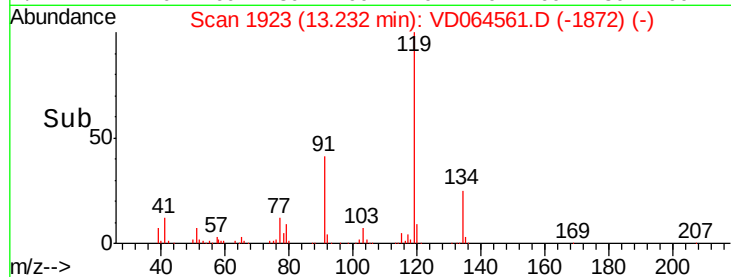
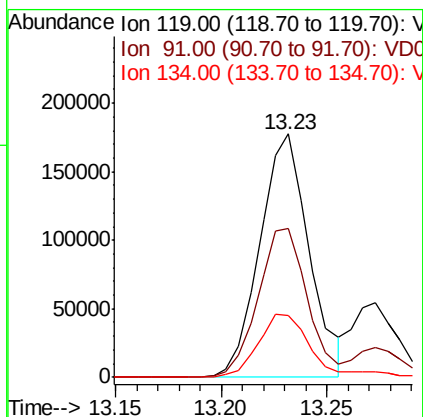
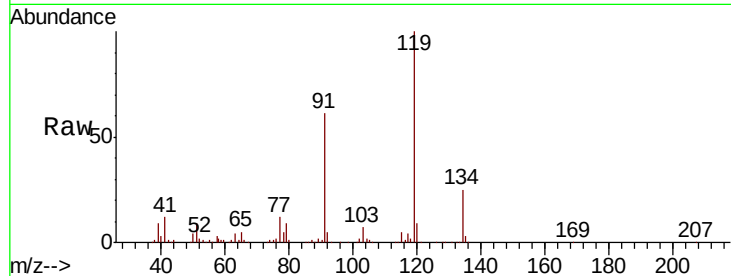




#83
 tert-Butylbenzene
 Concen: 21.332 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

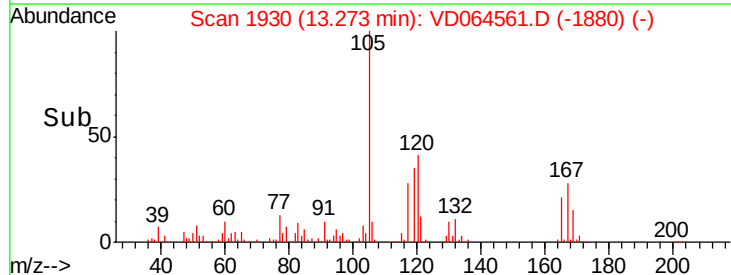
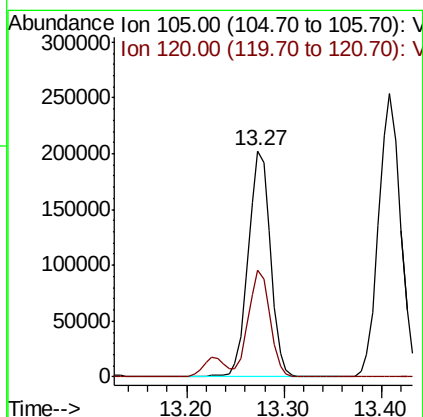
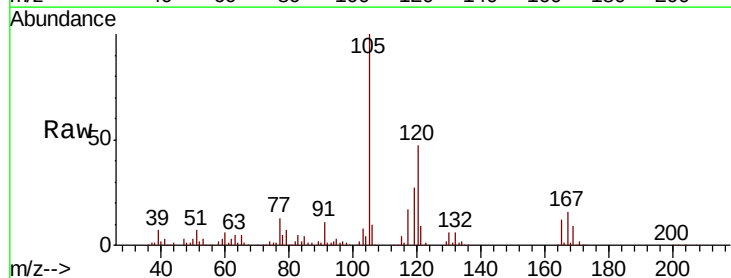
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

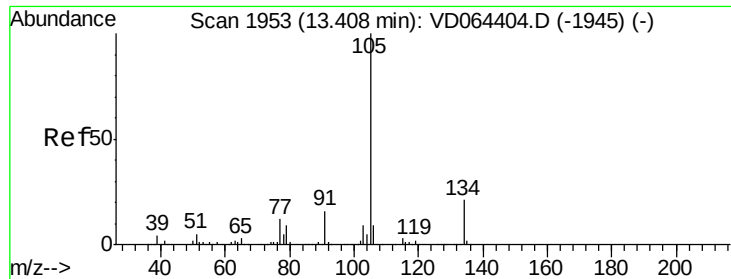
Tot Ion:119 Resp: 288438
 Ion Ratio Lower Upper
 119 100
 91 61.0 31.2 93.6
 134 28.2 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.762 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion:105 Resp: 324695
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.6 70.8





#85

sec-Butylbenzene

Concen: 21.285 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

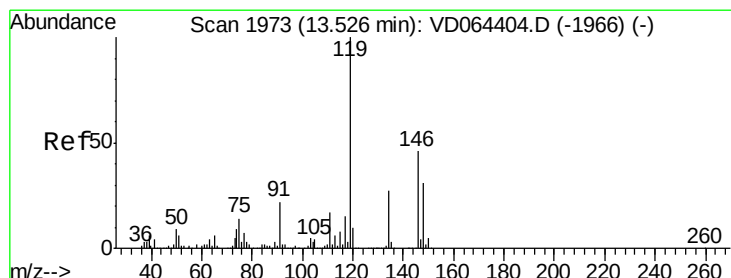
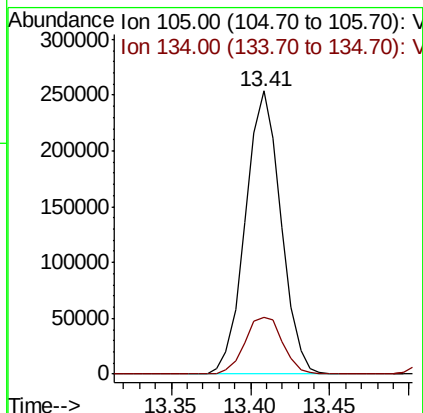
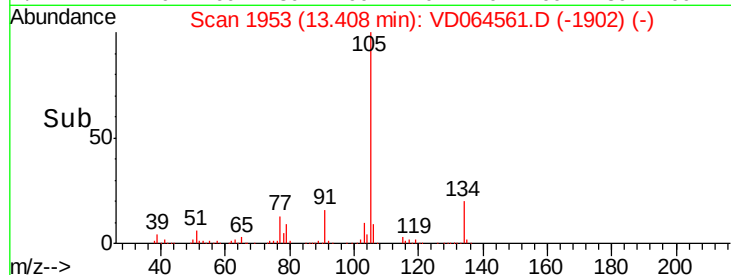
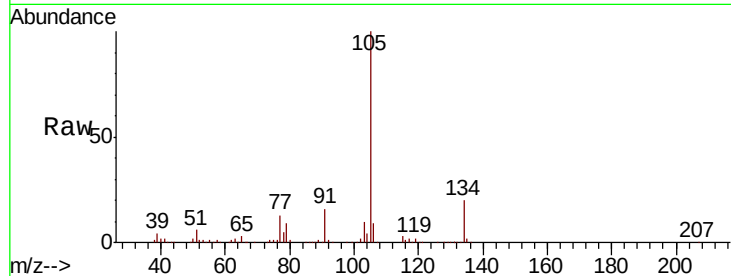
VD1223SBS01

Tot Ion:105 Resp: 394999

Ion Ratio Lower Upper

105 100

134 21.6 10.5 31.5



#86

p-Isopropyltoluene

Concen: 21.356 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

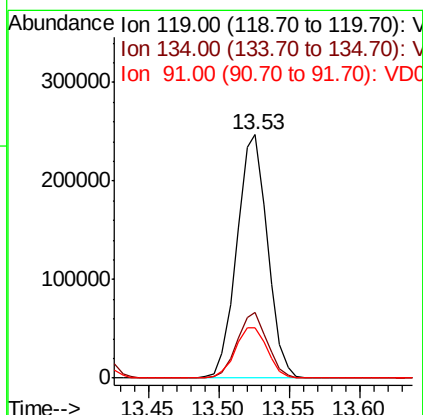
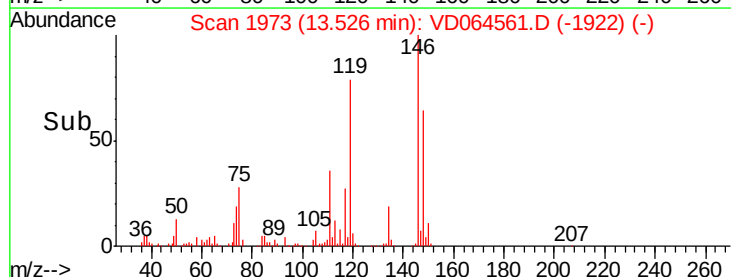
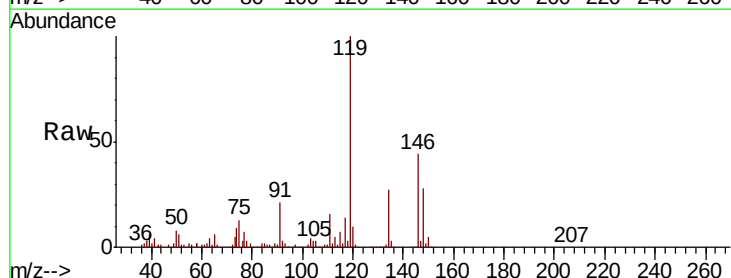
Tgt Ion:119 Resp: 374163

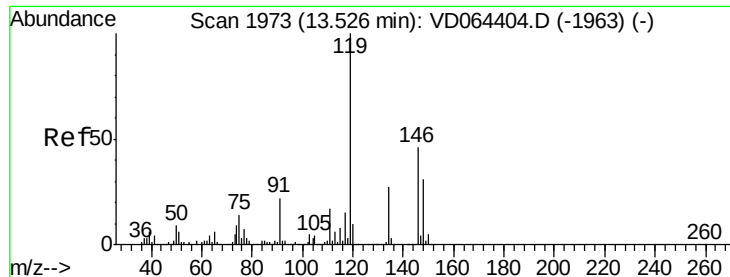
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 21.8 11.2 33.5

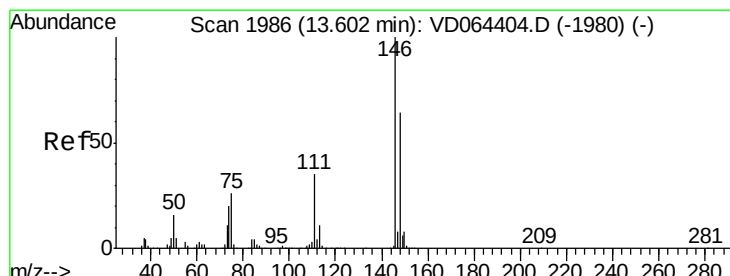
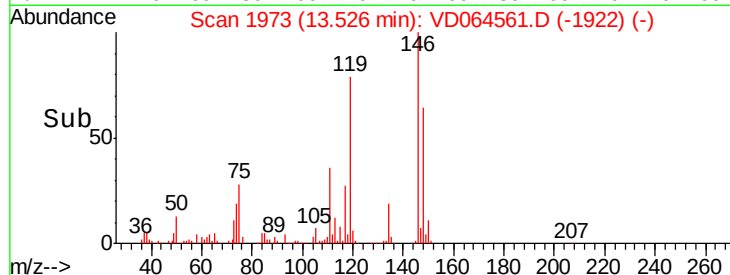
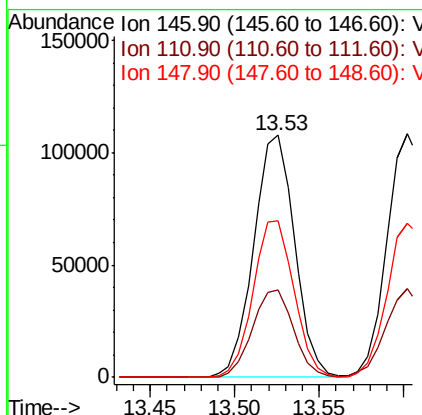
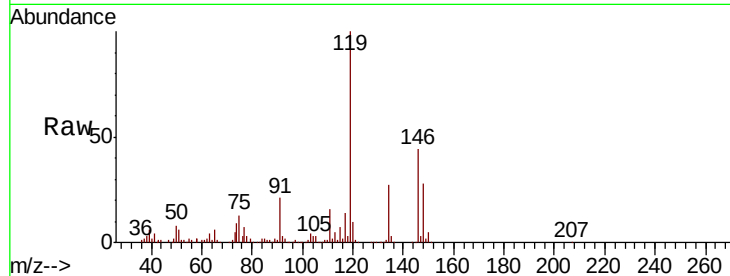




#87
 1,3-Dichlorobenzene
 Concen: 20.405 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

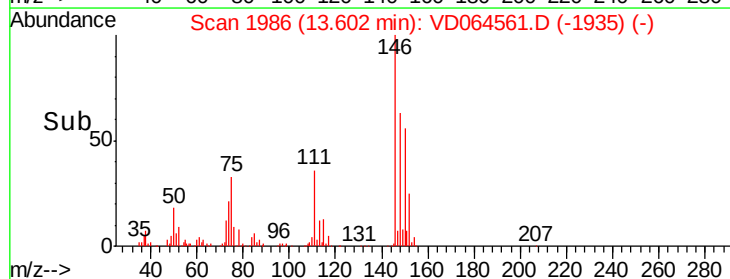
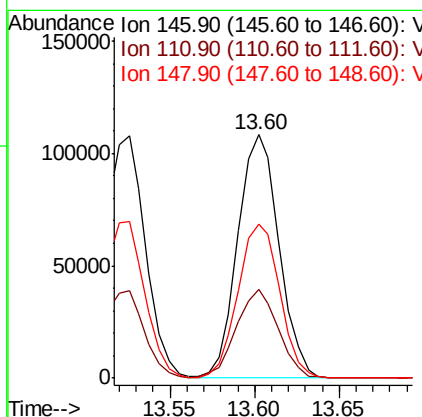
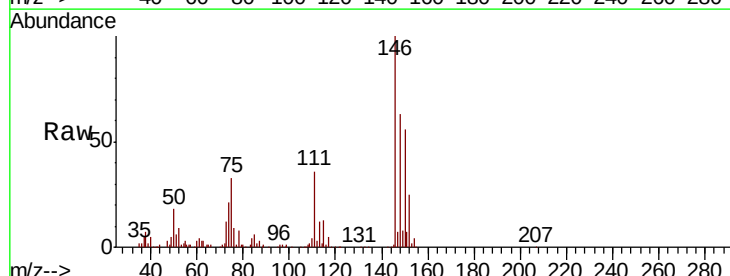
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

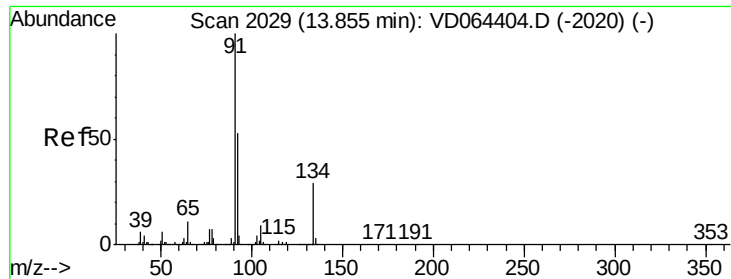
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.8	56.4
148	64.5	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 20.837 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.2	54.6
148	64.5	31.8	95.4

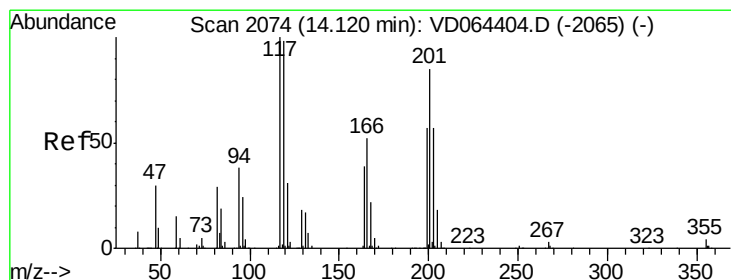
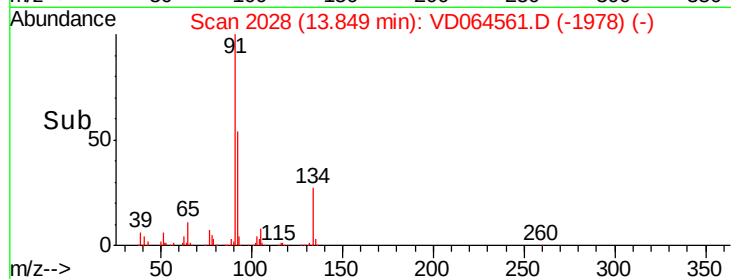
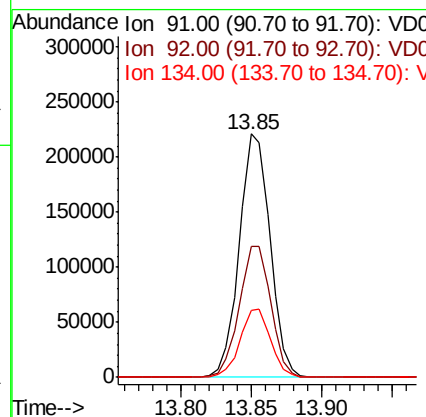
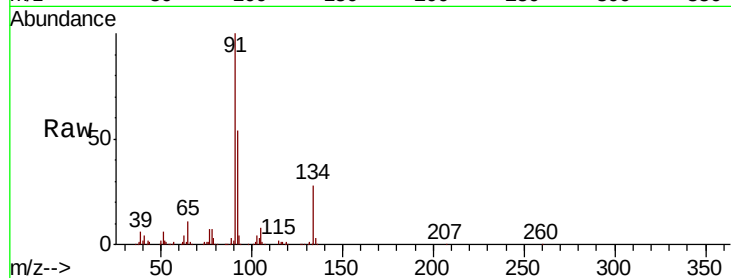




#89
n-Butylbenzene
Concen: 21.222 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

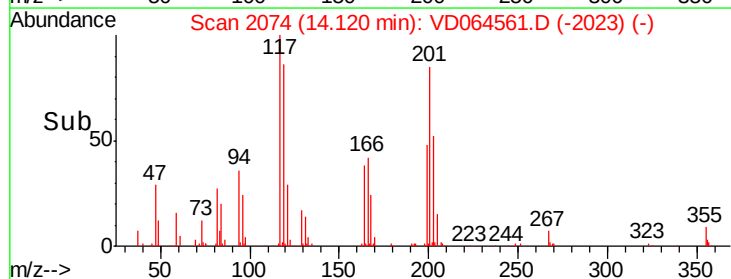
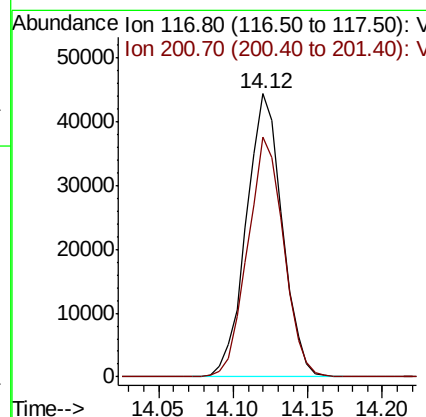
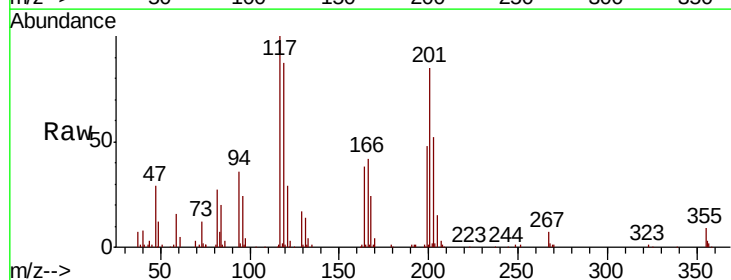
Instrument :
MSVOA_D
ClientSampleId :
VD1223SBS01

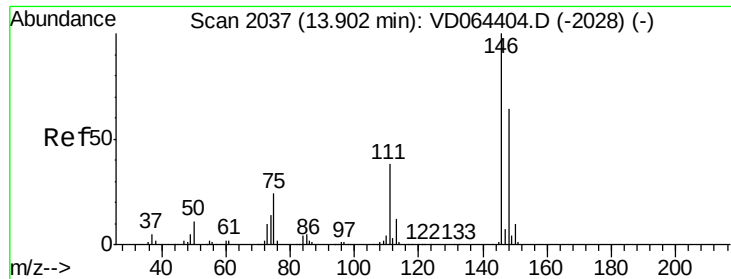
Tot Ion: 91 Resp: 337645
Ion Ratio Lower Upper
91 100
92 55.0 26.5 79.4
134 27.6 13.9 41.7



#90
Hexachloroethane
Concen: 22.495 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064561.D
Acq: 23 Dec 2019 11:47

Tgt Ion: 117 Resp: 73712
Ion Ratio Lower Upper
117 100
201 85.0 44.3 132.8

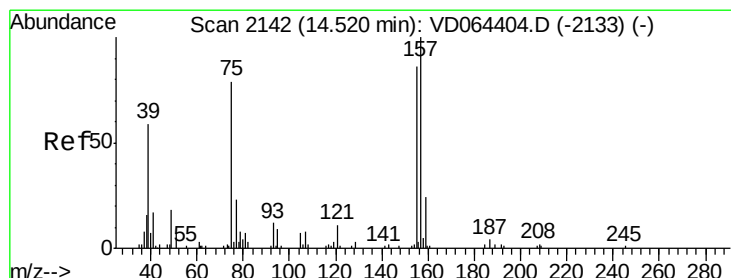
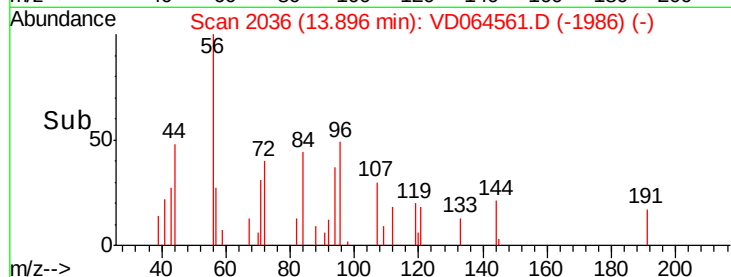
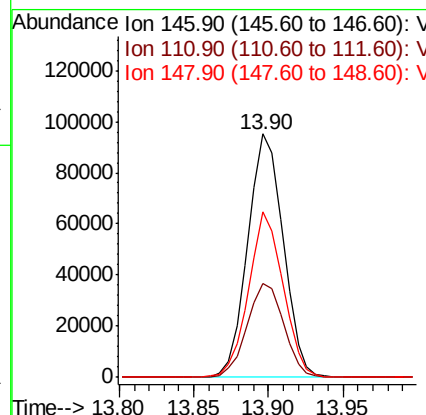
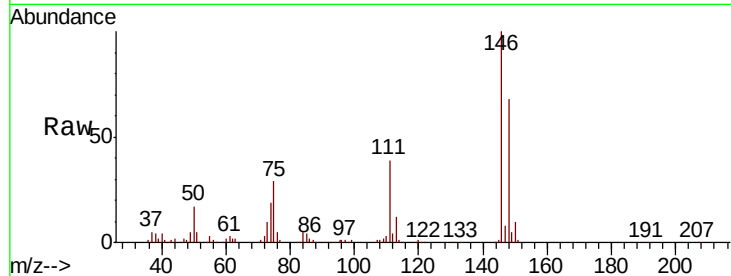




#91
 1,2-Dichlorobenzene
 Concen: 20.551 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

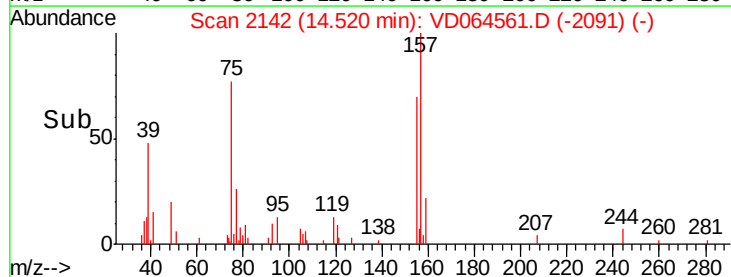
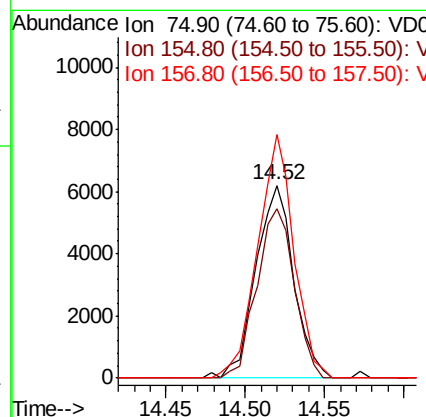
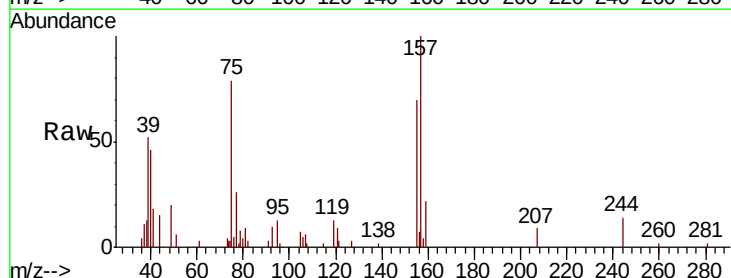
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

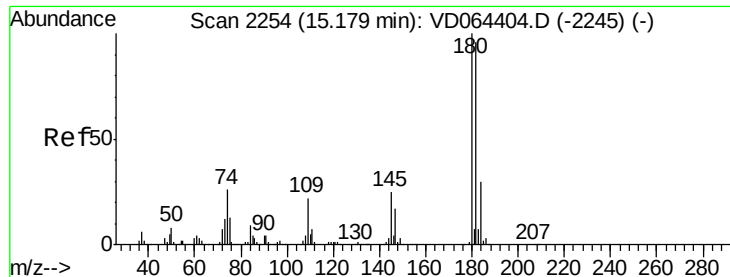
Tot Ion:146 Resp: 156666
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.1 57.3
 148 65.8 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.265 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion: 75 Resp: 10326
 Ion Ratio Lower Upper
 75 100
 155 86.7 51.9 155.7
 157 120.4 63.2 189.8

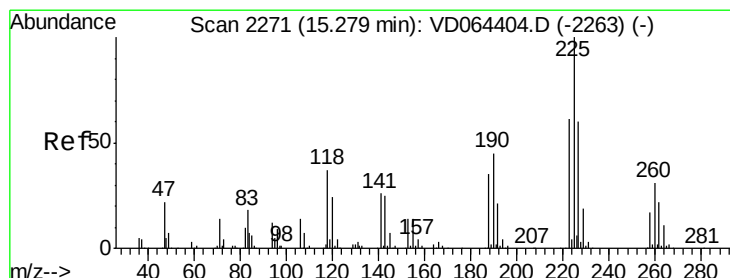
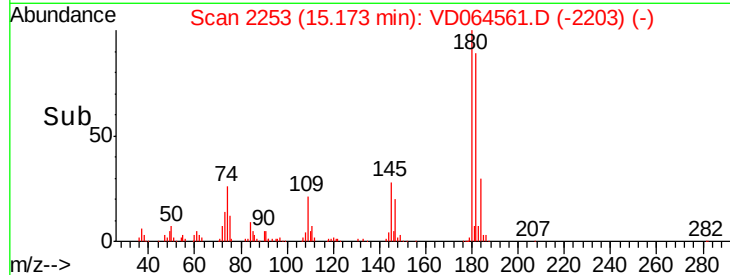
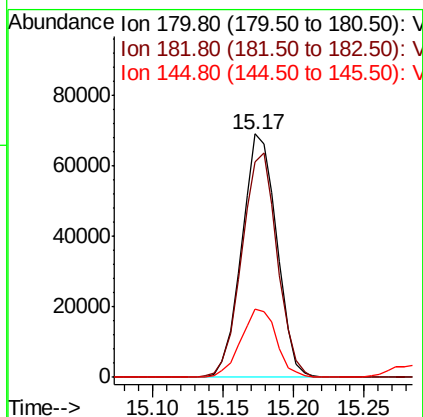
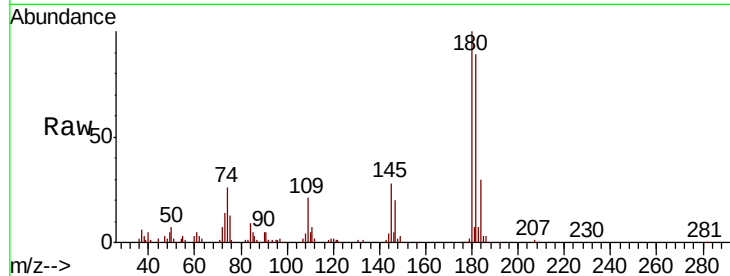




#93
 1,2,4-Trichlorobenzene
 Concen: 20.597 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

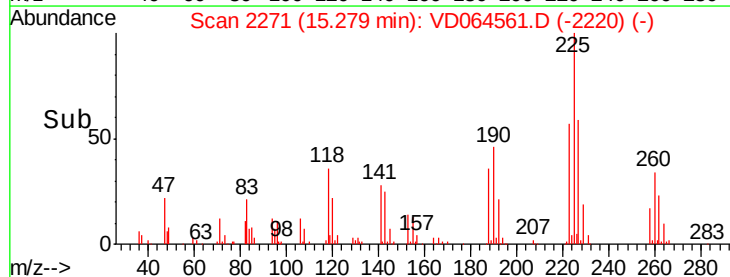
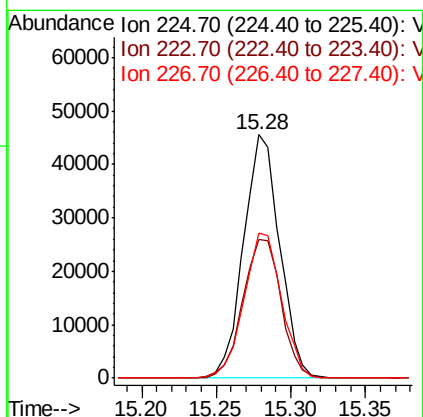
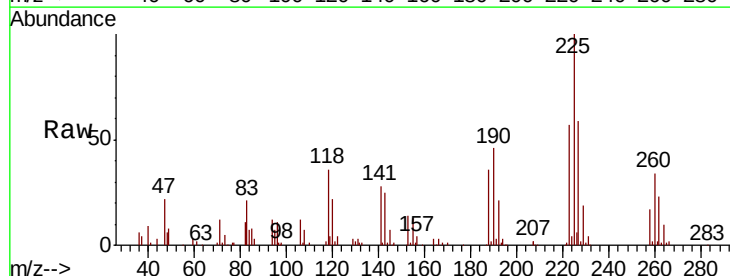
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1223SBS01

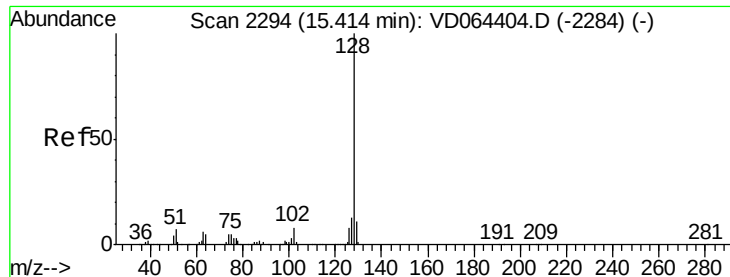
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.4	142.3
145	28.6	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 21.146 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064561.D
 Acq: 23 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	31.1	93.3
227	62.0	31.8	95.4





#95

Naphthalene

Concen: 18.480 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1223SBS01

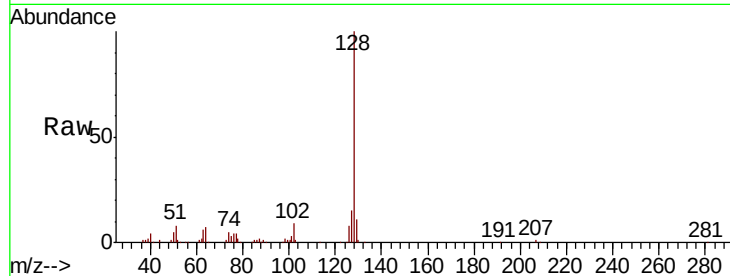
Tot Ion:128 Resp: 180054

Ion Ratio Lower Upper

128 100

127 14.4 10.5 15.7

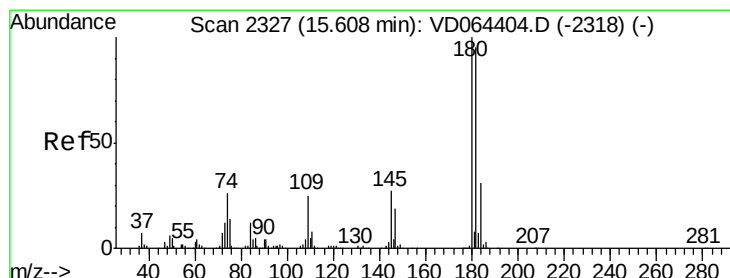
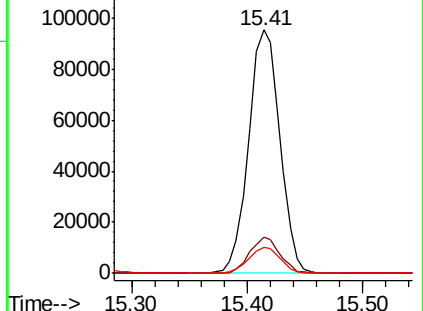
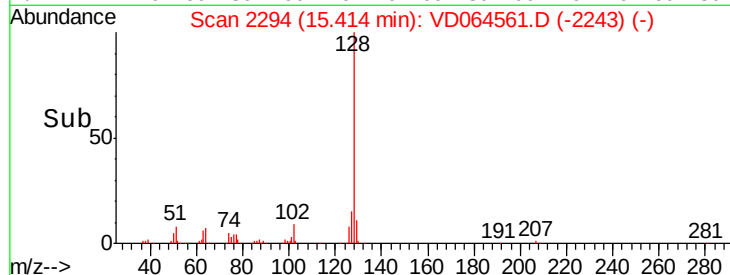
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.707 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064561.D

Acq: 23 Dec 2019 11:47

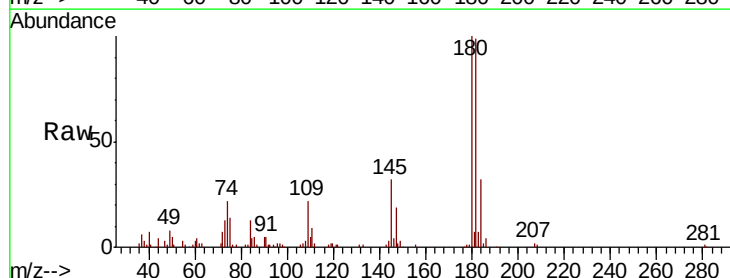
Tgt Ion:180 Resp: 98211

Ion Ratio Lower Upper

180 100

182 95.0 47.6 142.9

145 30.8 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

