

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121319\
 Data File : VD064516.D
 Acq On : 13 Dec 2019 19:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 13 22:54:54 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	7.99	168	383693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	577181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	533360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	268522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184966	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	7.92	113	187236	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	10.34	98	693251	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.64	95	227434	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155188	44.638	ug/l	99
3) Chloromethane	2.21	50	205381	46.837	ug/l	100
4) Vinyl Chloride	2.35	62	251421	49.659	ug/l	99
5) Bromomethane	2.77	94	182521	48.749	ug/l	100
6) Chloroethane	2.93	64	176770	52.236	ug/l	96
7) Trichlorofluoromethane	3.27	101	434240	51.592	ug/l	100
8) Diethyl Ether	3.71	74	96896	55.401	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	181473	50.286	ug/l	98
10) Methyl Iodide	4.30	142	213766	56.091	ug/l	100
11) Tert butyl alcohol	5.26	59	57703	261.013	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	176878	51.144	ug/l	95
13) Acrolein	3.92	56	76145	252.521	ug/l	98
14) Allyl chloride	4.71	41	280539	51.978	ug/l	98
15) Acrylonitrile	5.43	53	212977	278.466	ug/l	99
16) Acetone	4.17	43	194668	277.376	ug/l	98
17) Carbon Disulfide	4.40	76	522736	47.724	ug/l	98
18) Methyl Acetate	4.73	43	111204	54.321	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	437826	55.190	ug/l	98
20) Methylene Chloride	4.97	84	202821	57.548	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	202069	51.654	ug/l	96
22) Diisopropyl ether	6.37	45	580805	54.510	ug/l	97
23) Vinyl Acetate	6.31	43	1755692	279.504	ug/l	100
24) 1,1-Dichloroethane	6.27	63	343230	53.565	ug/l	99
25) 2-Butanone	7.22	43	271164	273.208	ug/l	100
26) 2,2-Dichloropropane	7.21	77	286356	51.387	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	231587	54.300	ug/l	98
28) Bromochloromethane	7.55	49	129787	59.268	ug/l	99
29) Tetrahydrofuran	7.57	42	177712	281.428	ug/l	98
30) Chloroform	7.71	83	366521	55.230	ug/l	98
31) Cyclohexane	7.99	56	293569	52.726	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	326449	53.060	ug/l	100
36) 1,1-Dichloropropene	8.11	75	271515	49.734	ug/l	98
37) Ethyl Acetate	7.30	43	128919	55.653	ug/l	99
38) Carbon Tetrachloride	8.10	117	297043	51.553	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	328226	48.468	ug/l	98
40) Benzene	8.35	78	771849	50.904	ug/l	100
41) Methacrylonitrile	7.53	41	70680	53.204	ug/l	89
42) 1,2-Dichloroethane	8.43	62	236345	53.449	ug/l	99
43) Isopropyl Acetate	8.46	43	250578	55.015	ug/l	99
44) Trichloroethene	9.11	130	224963	49.253	ug/l	97
45) 1,2-Dichloropropane	9.39	63	193689	53.412	ug/l	99
46) Dibromomethane	9.48	93	112544	54.988	ug/l	98
47) Bromodichloromethane	9.66	83	288518	54.863	ug/l	97
48) Methyl methacrylate	9.46	41	111177	53.343	ug/l	98
49) 1,4-Dioxane	9.47	88	28629	1132.762	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	631266	280.111	ug/l	99
52) Toluene	10.40	92	514772	52.093	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	275193	54.908	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	319122	53.598	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	151772	54.156	ug/l	98
56) Ethyl methacrylate	10.66	69	196888	55.082	ug/l	100
57) 1,3-Dichloropropane	10.95	76	259526	54.401	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	392028	275.126	ug/l	99
59) 2-Hexanone	10.99	43	433744	277.371	ug/l	100
60) Dibromochloromethane	11.14	129	207298	54.555	ug/l	98
61) 1,2-Dibromoethane	11.25	107	151868	54.274	ug/l	97
64) Tetrachloroethene	10.87	164	205908	50.625	ug/l	97
65) Chlorobenzene	11.67	112	556622	50.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	214347	52.051	ug/l	99
67) Ethyl Benzene	11.75	91	967289	48.872	ug/l	98
68) m/p-Xylenes	11.86	106	752715	99.742	ug/l	100
69) o-Xylene	12.18	106	345835	49.619	ug/l	99
70) Styrene	12.20	104	619842	51.177	ug/l	100
71) Bromoform	12.36	173	128582	52.190	ug/l #	99
73) Isopropylbenzene	12.48	105	929275	48.118	ug/l	100
74) N-amyl acetate	12.29	43	229454	52.349	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	161491	50.566	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	211437	95.749	ug/l #	100
77) Bromobenzene	12.77	156	239326	50.182	ug/l	99
78) n-propylbenzene	12.83	91	1080616	48.496	ug/l	99
79) 2-Chlorotoluene	12.91	91	604081	49.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	770446	48.818	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	53372	52.702	ug/l	97
82) 4-Chlorotoluene	13.01	91	639227	49.240	ug/l	99
83) tert-Butylbenzene	13.23	119	669336	48.784	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	755847	47.630	ug/l	98
85) sec-Butylbenzene	13.41	105	907945	48.215	ug/l	100
86) p-Isopropyltoluene	13.53	119	850234	47.824	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	441896	48.819	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	440922	49.339	ug/l	99
89) n-Butylbenzene	13.86	91	777372	48.150	ug/l	99
90) Hexachloroethane	14.12	117	167881	50.487	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	389461	50.346	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26550	56.179	ug/l	95

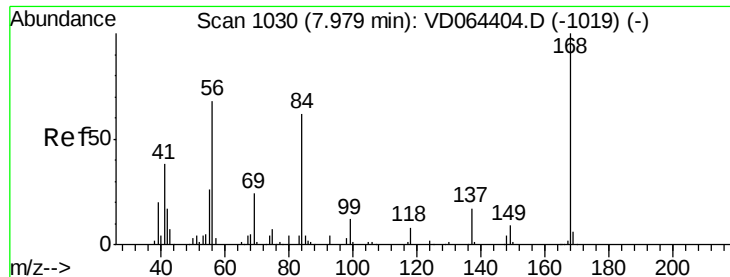
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	290026	48.955	ug/l	99
94) Hexachlorobutadiene	15.28	225	174830	47.802	ug/l	100
95) Naphthalene	15.41	128	503446	50.919	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	255051	50.434	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

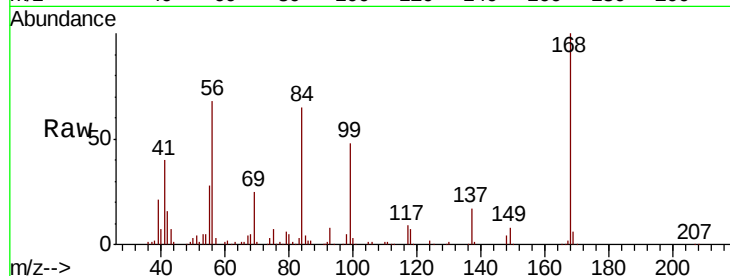
VSTDCCC050EC

Tgt Ion:168 Resp: 383693

Ion Ratio Lower Upper

168 100

99 47.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

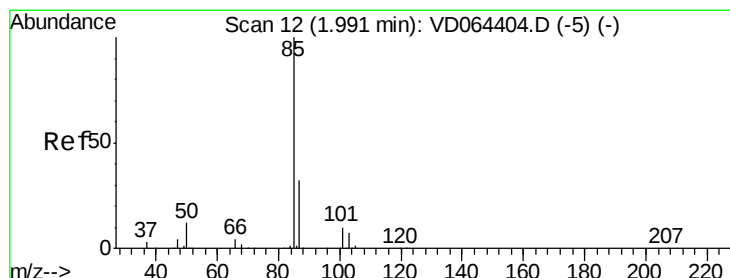
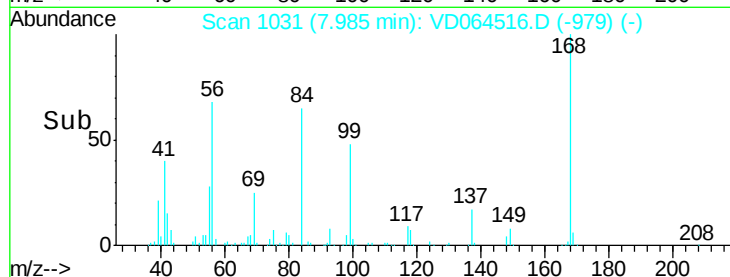
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.638 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064516.D

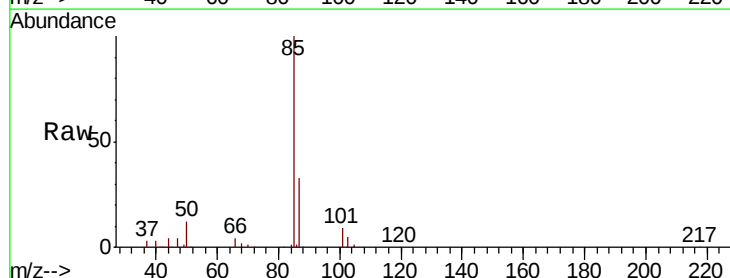
Acq: 13 Dec 2019 19:42

Tgt Ion: 85 Resp: 155188

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

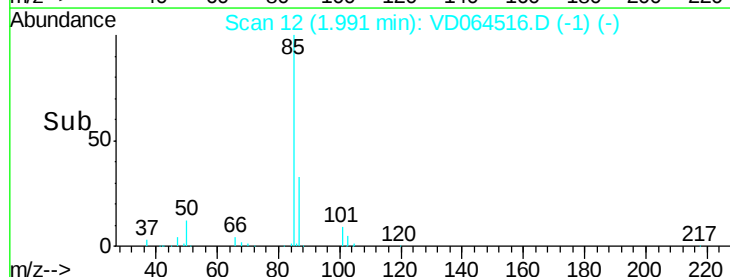
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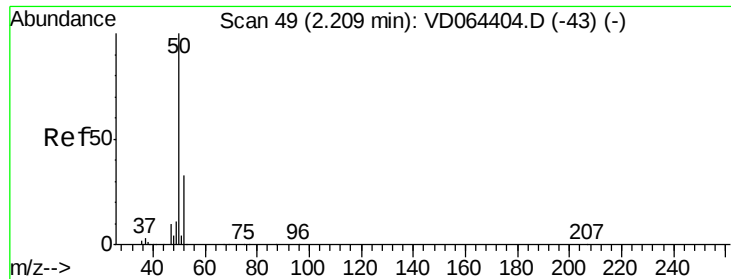
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 46.837 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

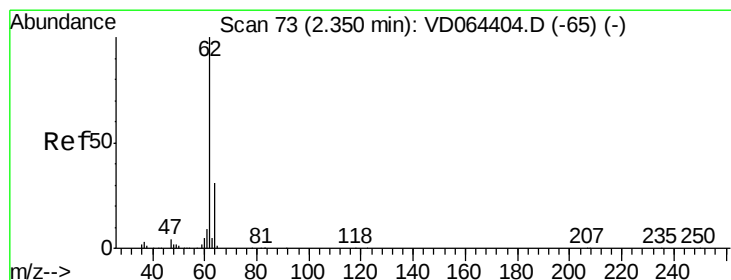
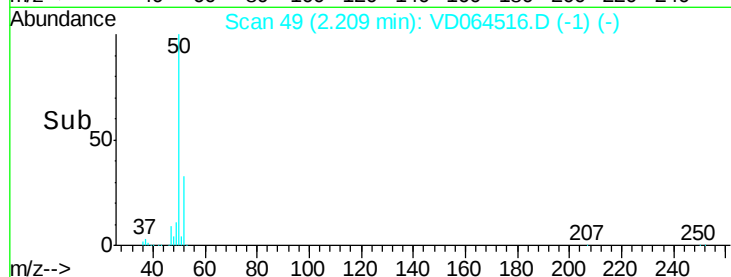
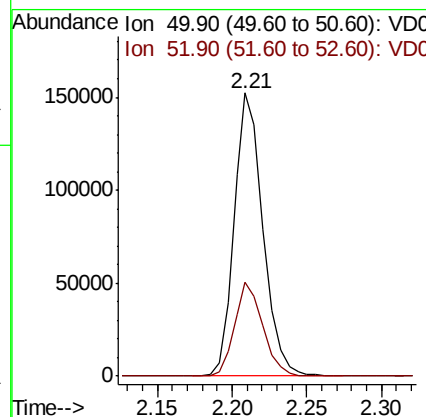
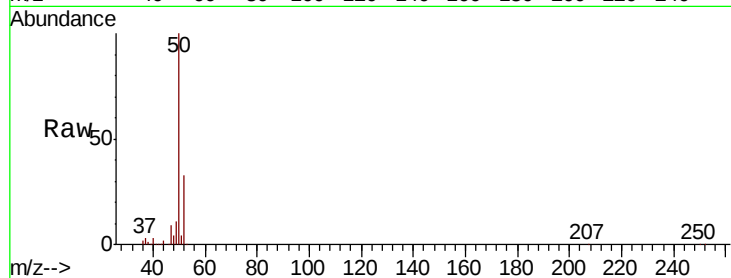
VSTDCCC050EC

Tgt Ion: 50 Resp: 205381

Ion Ratio Lower Upper

50 100

52 33.2 26.7 40.1



#4

Vinyl Chloride

Concen: 49.659 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064516.D

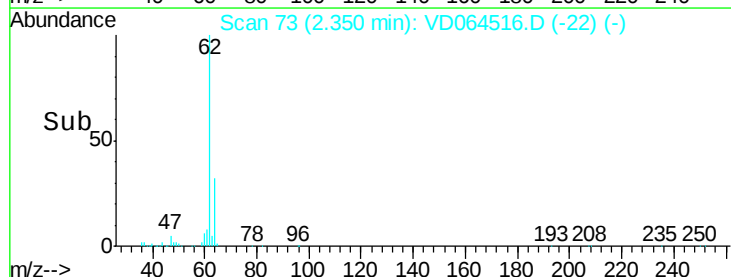
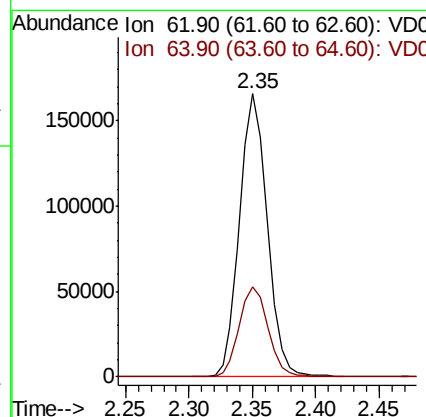
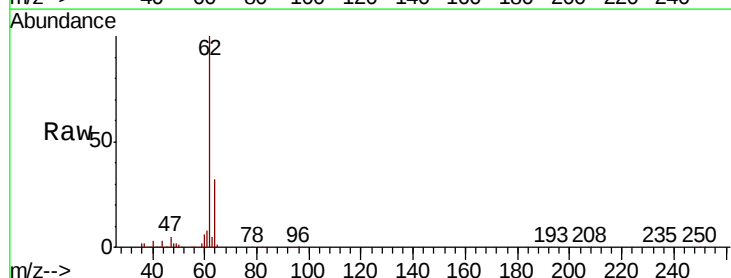
Acq: 13 Dec 2019 19:42

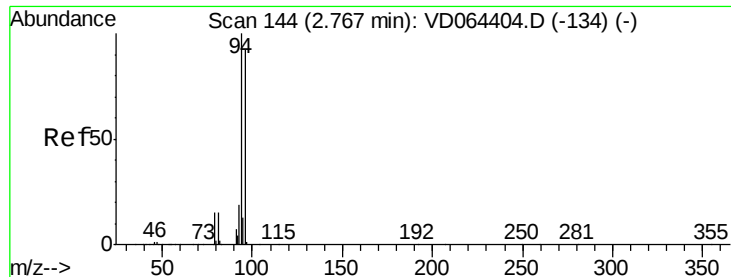
Tgt Ion: 62 Resp: 251421

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4





#5

Bromomethane

Concen: 48.749 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

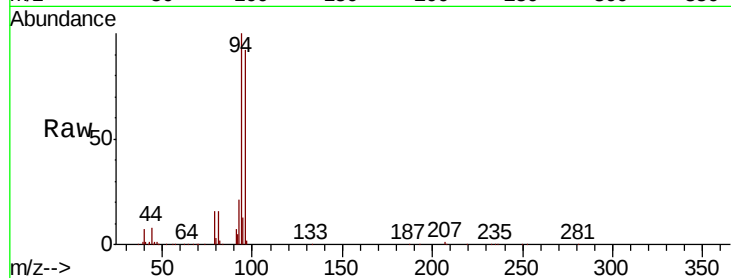
VSTDCCC050EC

Tgt Ion: 94 Resp: 182521

Ion Ratio Lower Upper

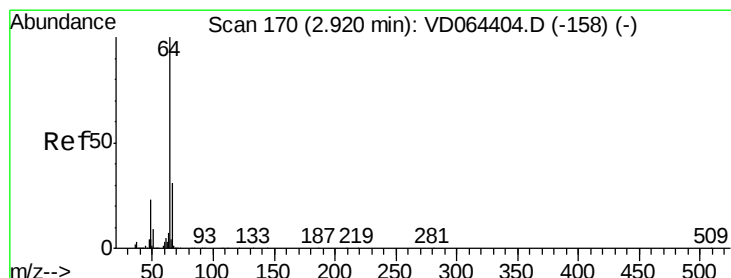
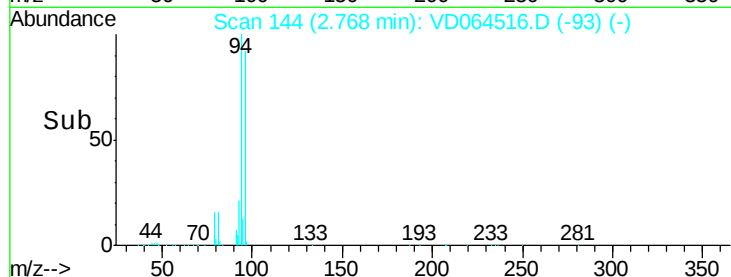
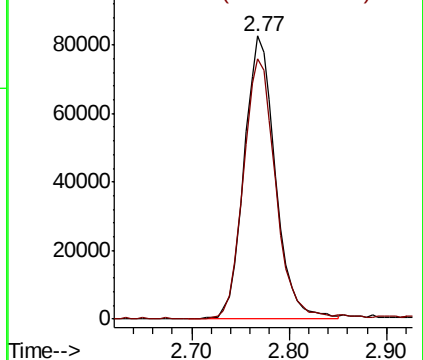
94 100

96 92.3 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: 52.236 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064516.D

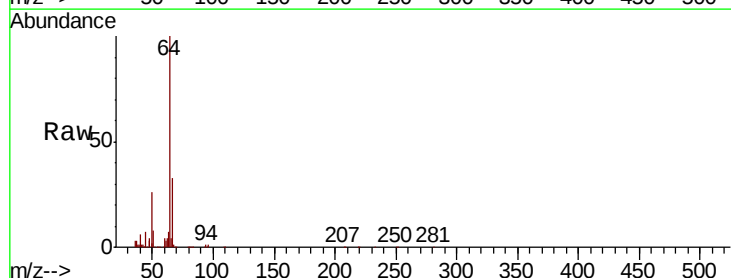
Acq: 13 Dec 2019 19:42

Tgt Ion: 64 Resp: 176770

Ion Ratio Lower Upper

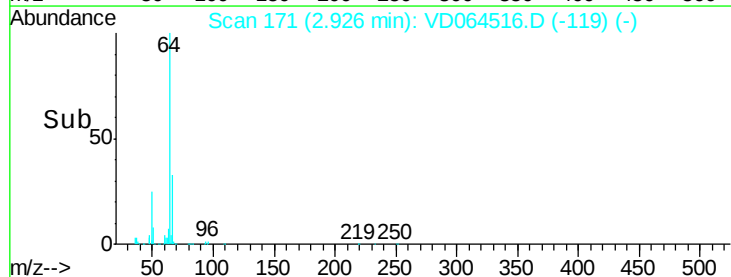
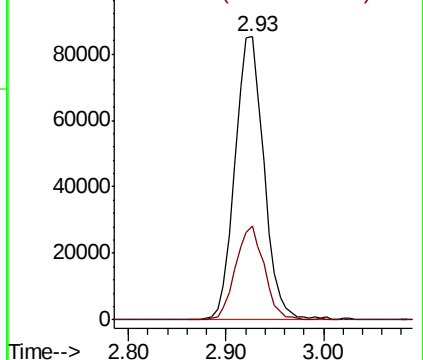
64 100

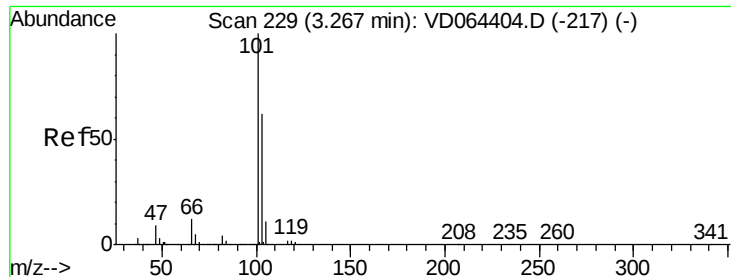
66 33.0 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



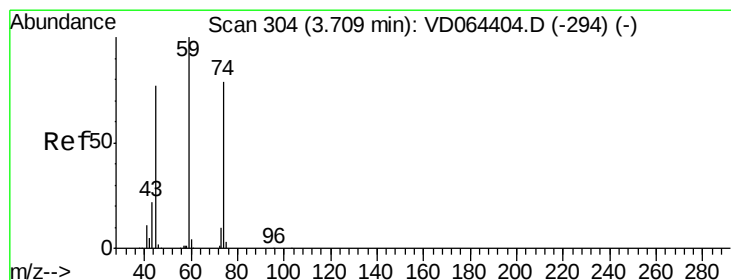
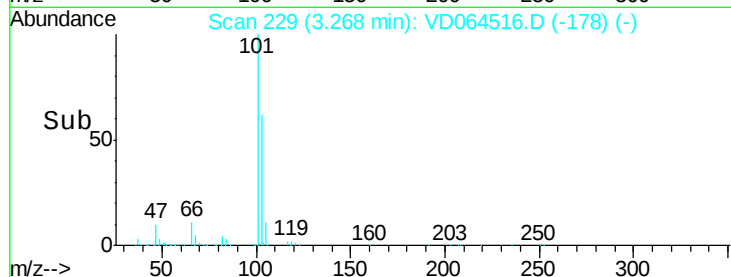
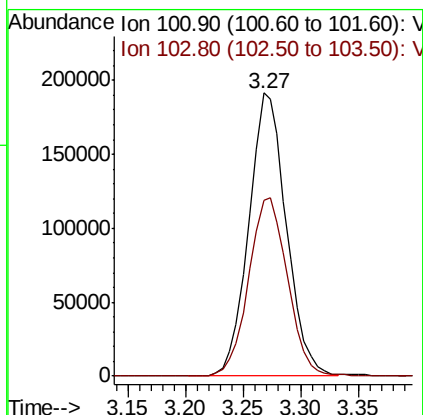
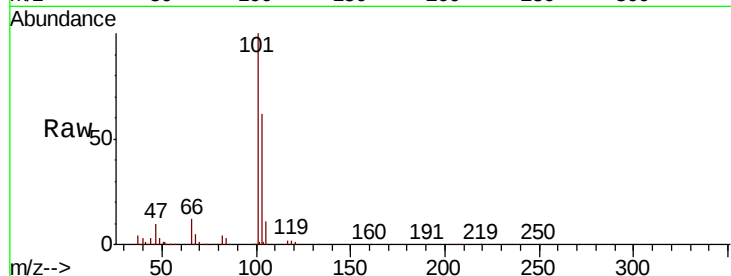


#7

Trichlorofluoromethane
 Concen: 51.592 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
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 VSTDCCC050EC

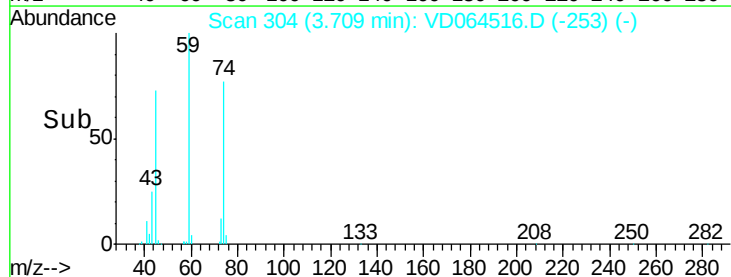
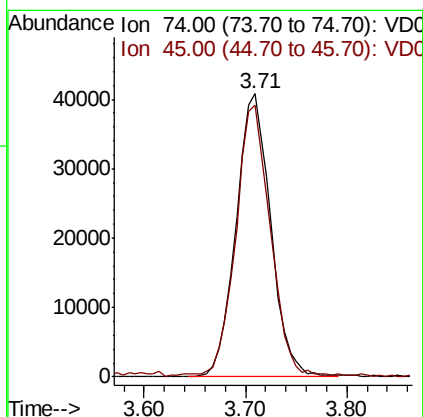
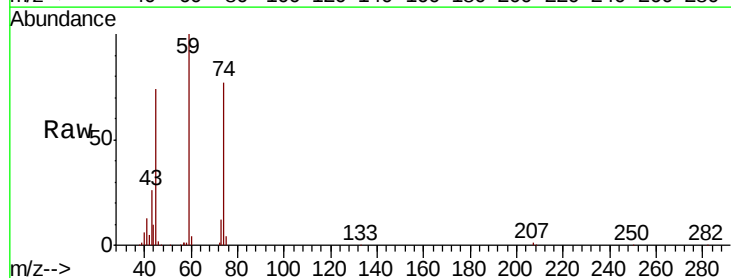
Tgt Ion: 101 Resp: 434240
 Ion Ratio Lower Upper
 101 100
 103 62.0 49.8 74.6

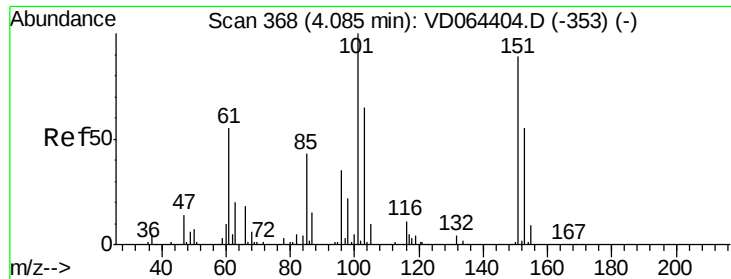


#8

Diethyl Ether
 Concen: 55.401 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion: 74 Resp: 96896
 Ion Ratio Lower Upper
 74 100
 45 94.6 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.286 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

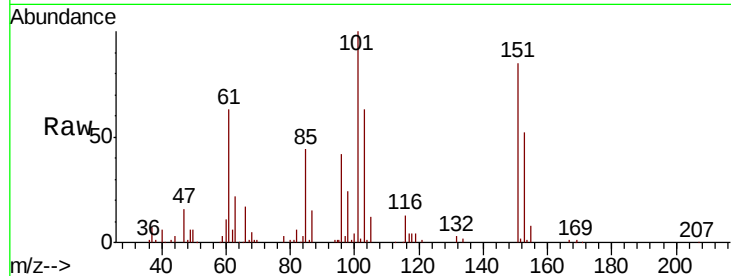
Tgt Ion:101 Resp: 181473

Ion Ratio Lower Upper

101 100

85 43.9 34.8 52.2

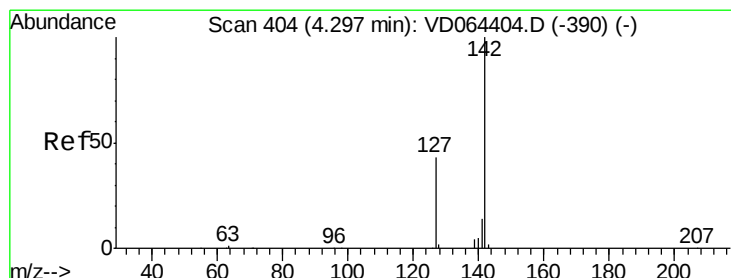
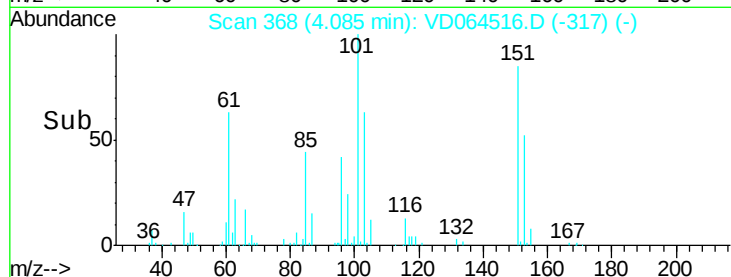
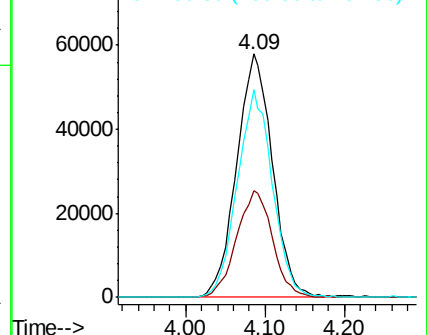
151 83.8 68.8 103.2



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: 56.091 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

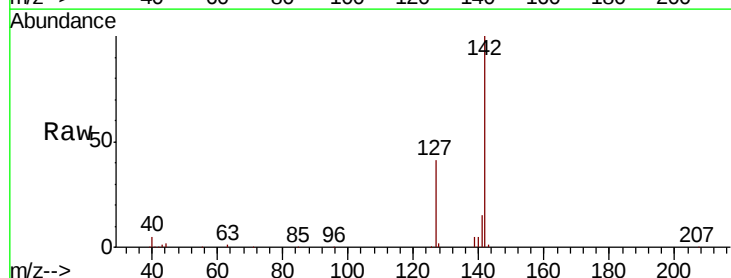
Tgt Ion:142 Resp: 213766

Ion Ratio Lower Upper

142 100

127 44.2 35.3 52.9

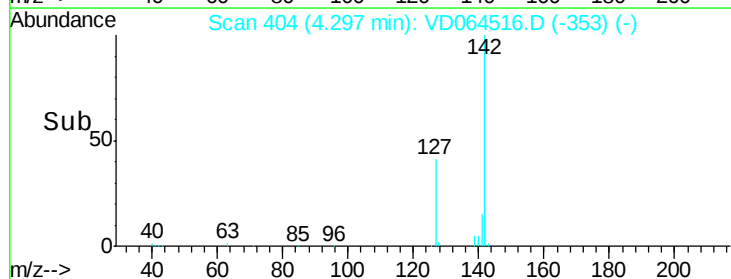
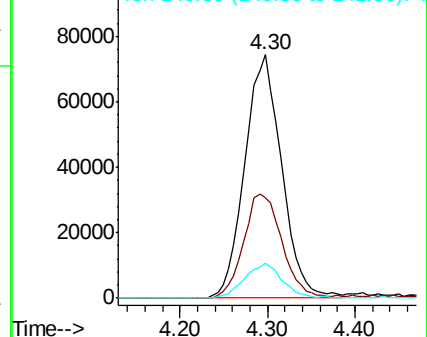
141 14.4 11.6 17.4

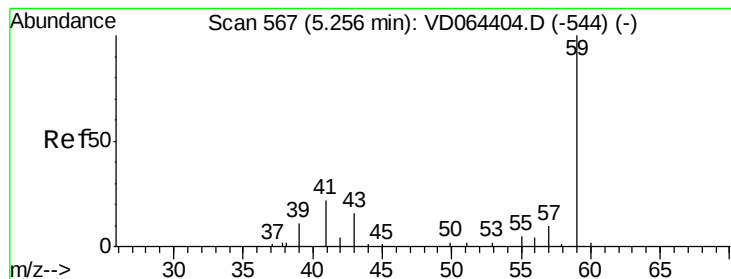


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



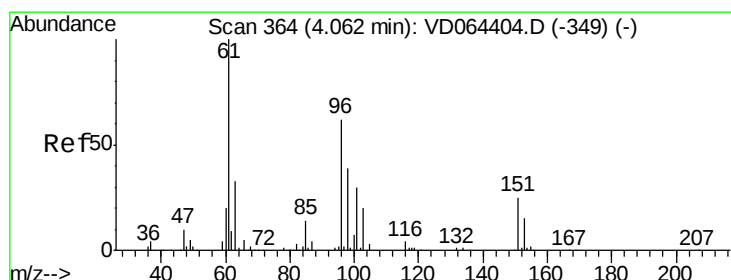
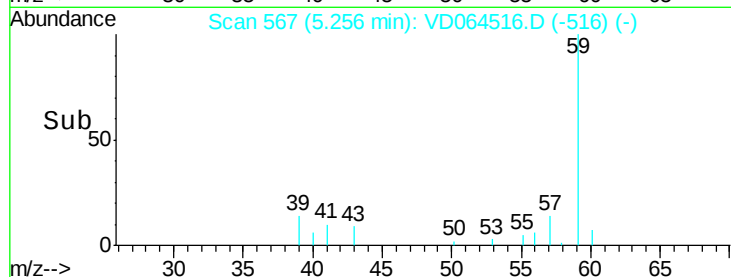
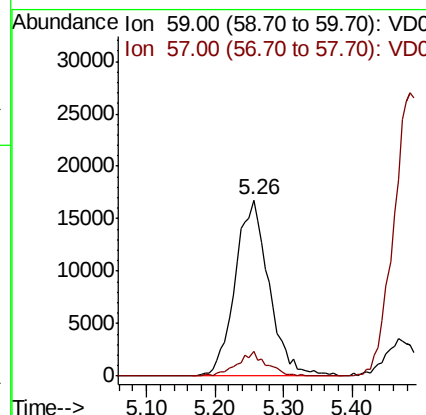
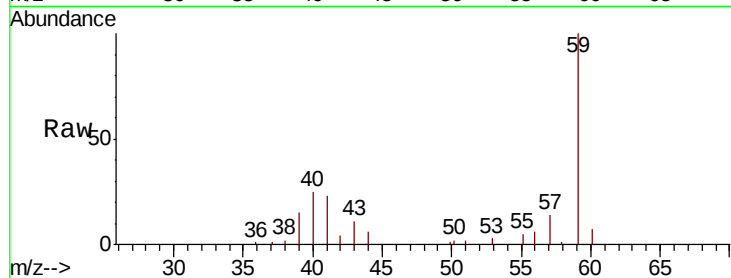


#11

Tert butyl alcohol
 Concen: 261.013 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

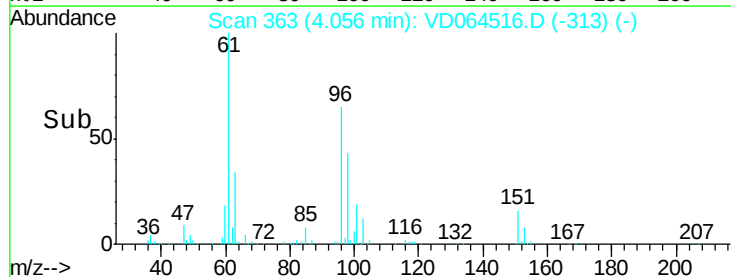
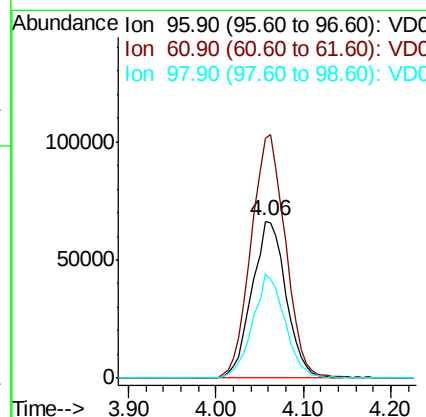
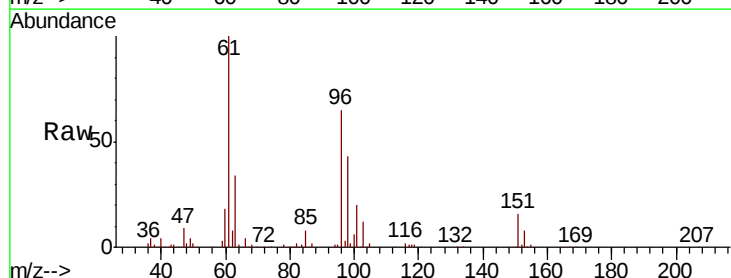
Tgt Ion: 59 Resp: 57703
 Ion Ratio Lower Upper
 59 100
 57 12.0 0.0 0.0#

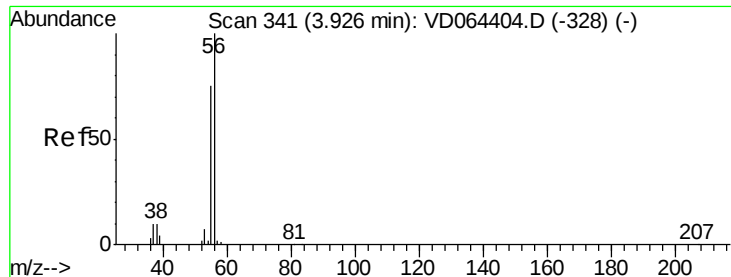


#12

1,1-Dichloroethene
 Concen: 51.144 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion: 96 Resp: 176878
 Ion Ratio Lower Upper
 96 100
 61 152.7 128.2 192.4
 98 66.1 50.4 75.6





#13

Acrolein

Concen: 252.521 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

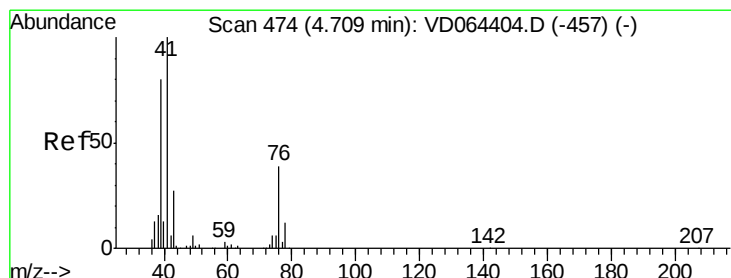
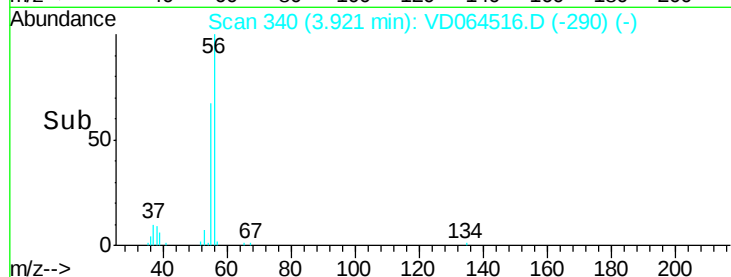
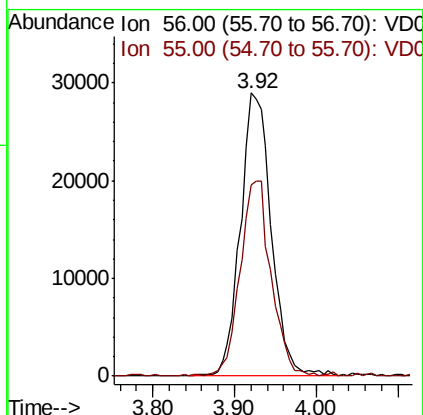
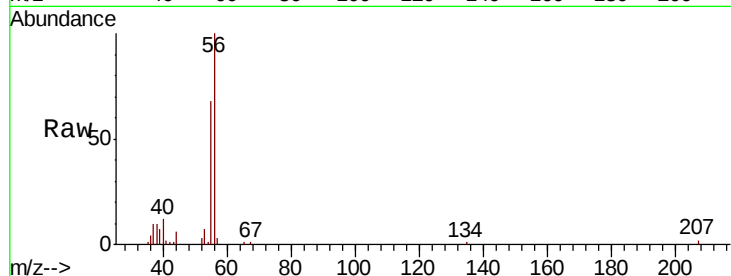
VSTDCCC050EC

Tgt Ion: 56 Resp: 76145

Ion Ratio Lower Upper

56 100

55 69.1 56.9 85.3



#14

Allyl chloride

Concen: 51.978 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

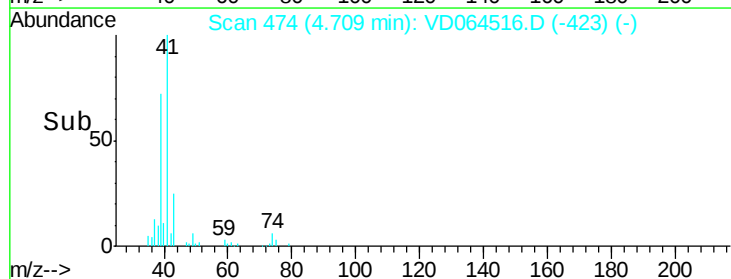
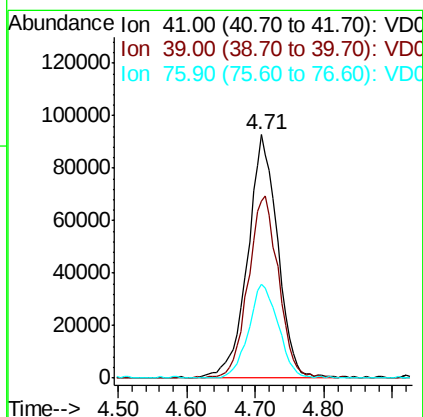
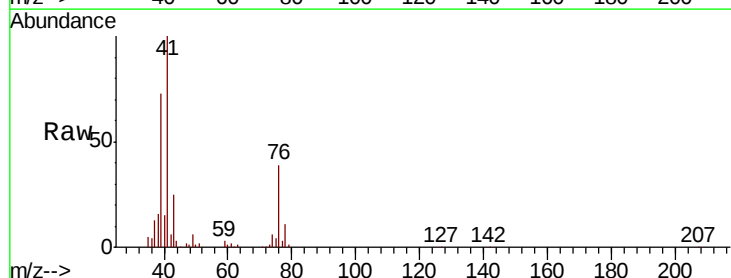
Tgt Ion: 41 Resp: 280539

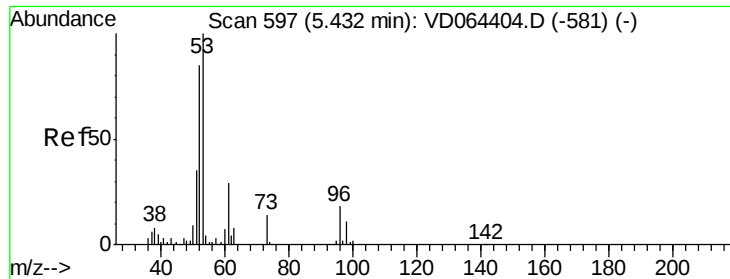
Ion Ratio Lower Upper

41 100

39 76.2 62.1 93.1

76 38.5 29.8 44.8





#15

Acrylonitrile

Concen: 278.466 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

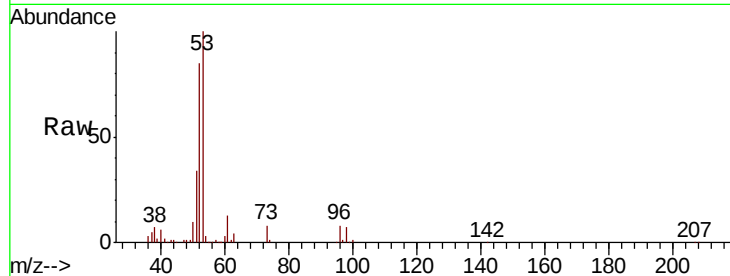
Tgt Ion: 53 Resp: 212977

Ion Ratio Lower Upper

53 100

52 83.3 67.9 101.9

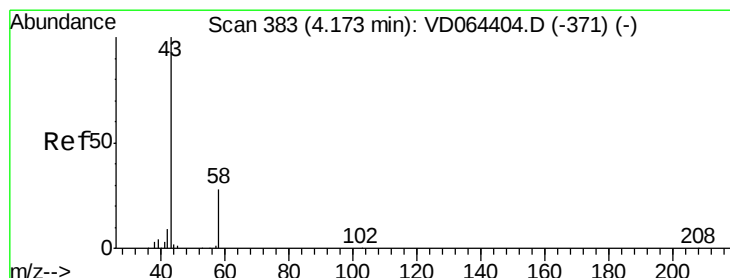
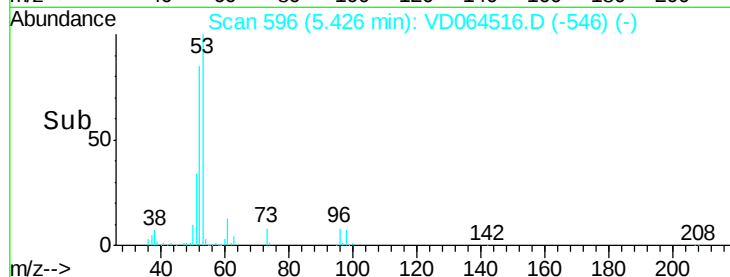
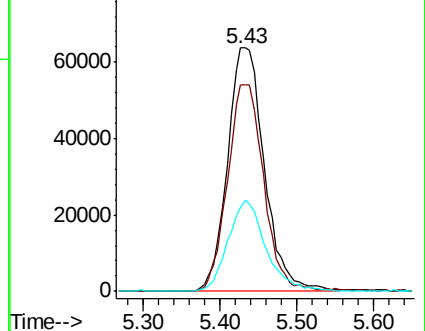
51 38.4 30.6 45.8



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: 277.376 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064516.D

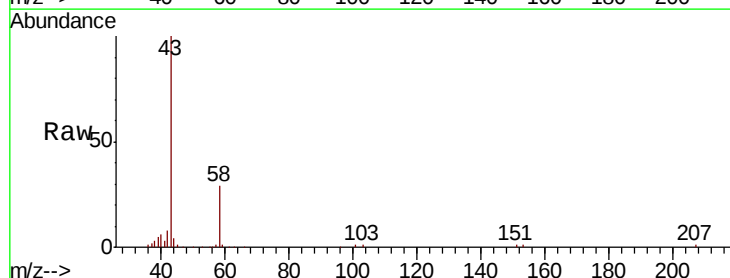
Acq: 13 Dec 2019 19:42

Tgt Ion: 43 Resp: 194668

Ion Ratio Lower Upper

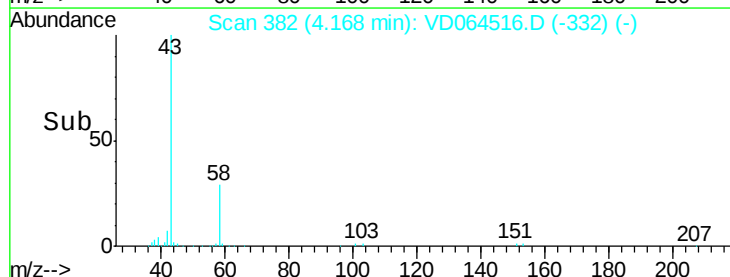
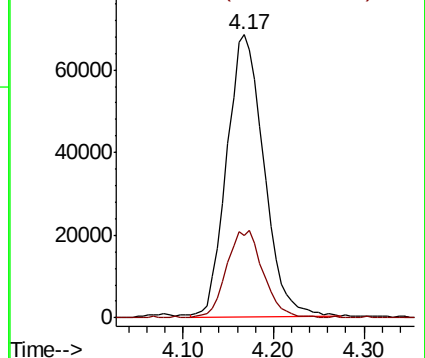
43 100

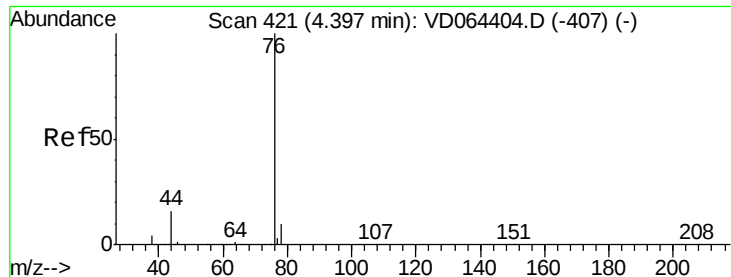
58 29.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

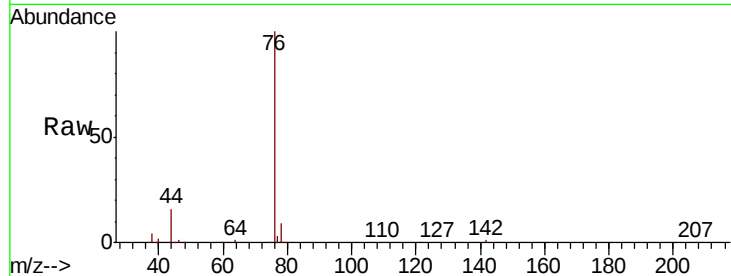




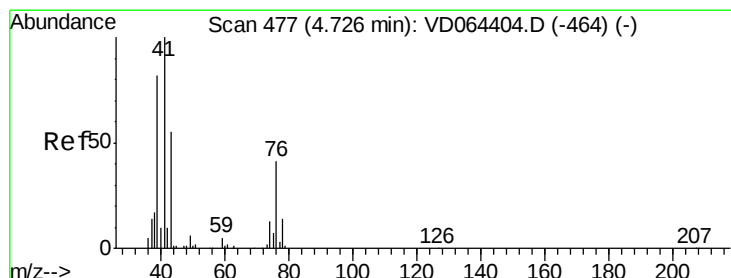
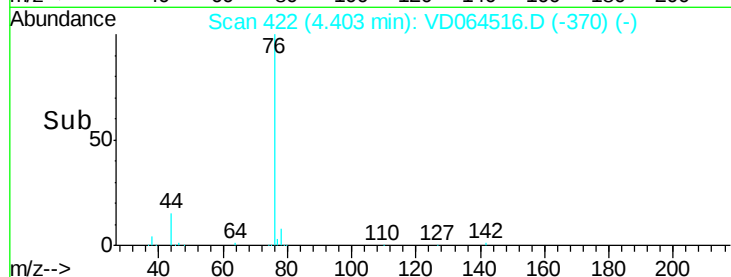
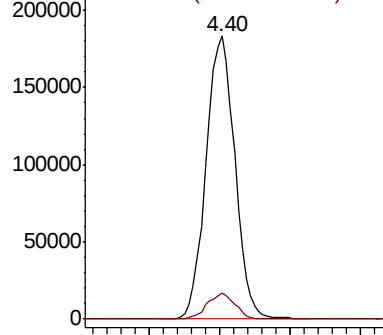
#17
Carbon Disulfide
Concen: 47.724 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 522736
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.8

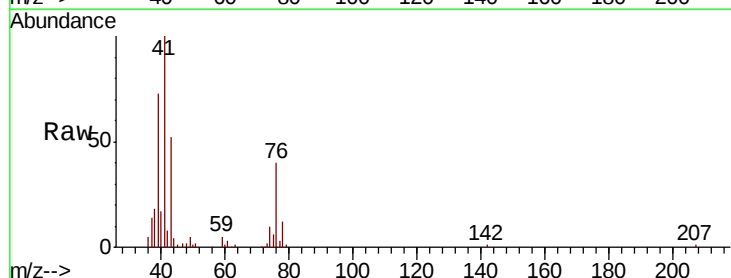


Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC

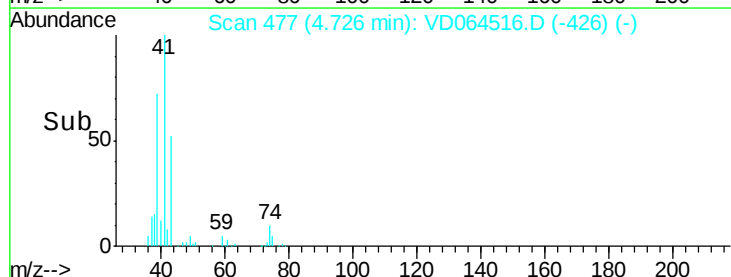
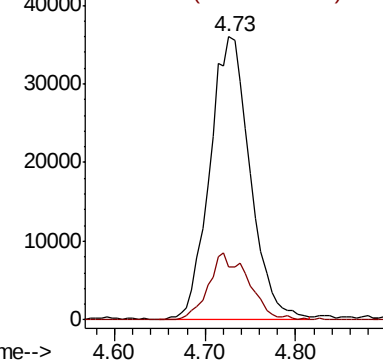


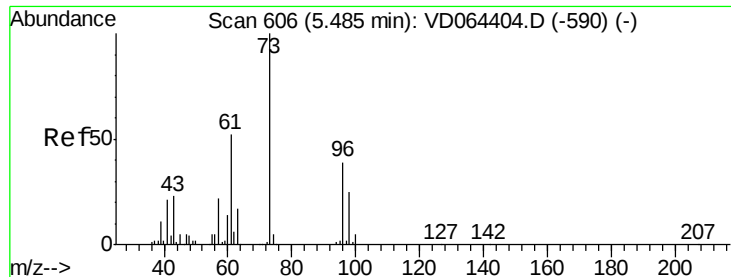
#18
Methyl Acetate
Concen: 54.321 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion: 43 Resp: 111204
Ion Ratio Lower Upper
43 100
74 23.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC



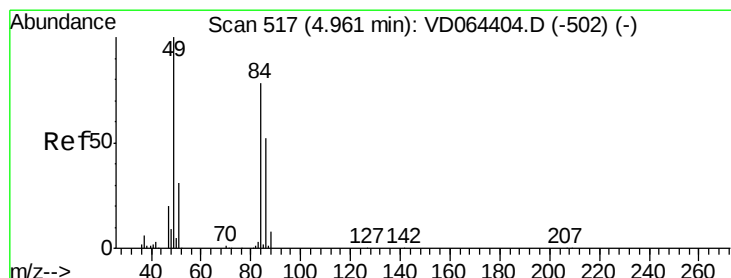
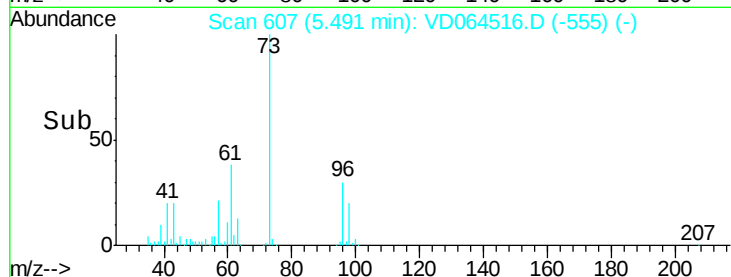
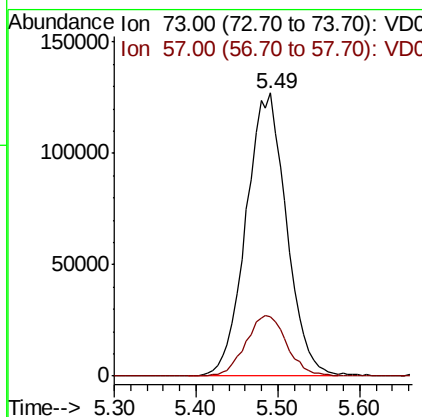
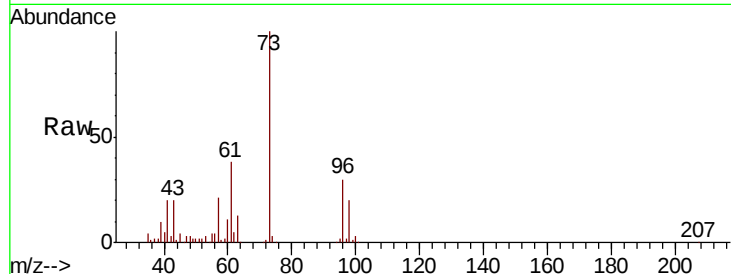


#19

Methyl tert-butyl Ether
 Concen: 55.190 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

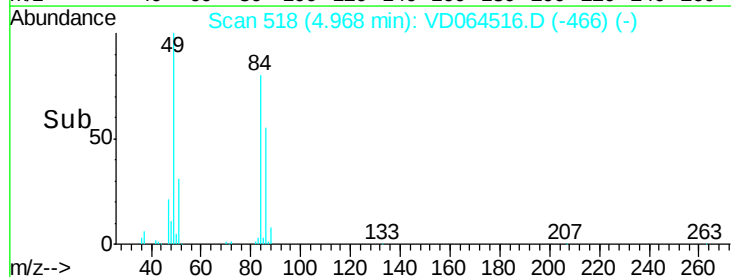
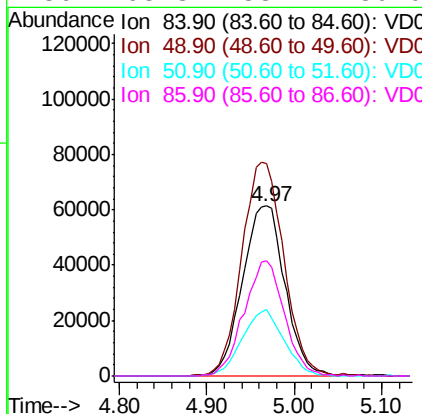
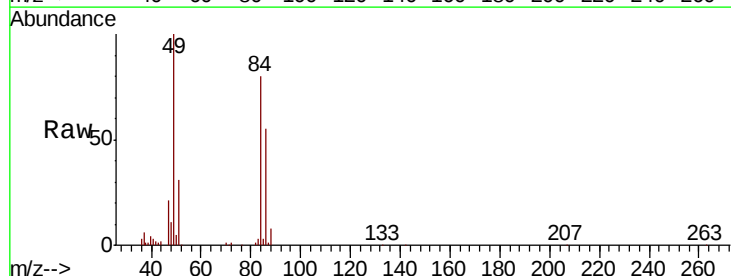
Tgt Ion: 73 Resp: 437826
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.6 26.4

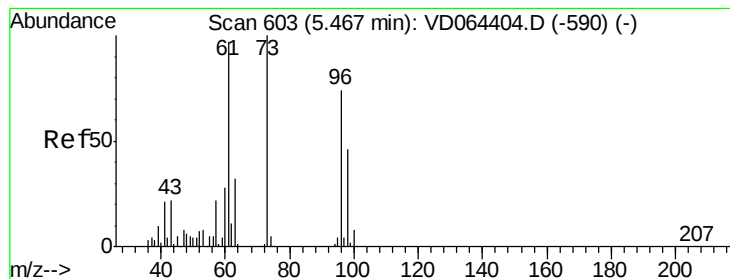


#20

Methylene Chloride
 Concen: 57.548 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion: 84 Resp: 202821
 Ion Ratio Lower Upper
 84 100
 49 125.2 102.6 153.8
 51 39.1 32.0 48.0
 86 68.3 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 51.654 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

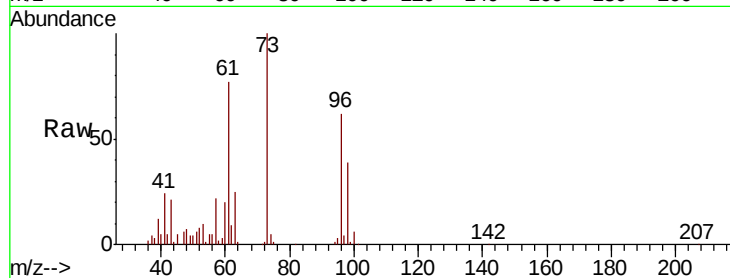
Tgt Ion: 96 Resp: 202069

Ion Ratio Lower Upper

96 100

61 125.5 105.8 158.6

98 62.9 50.1 75.1

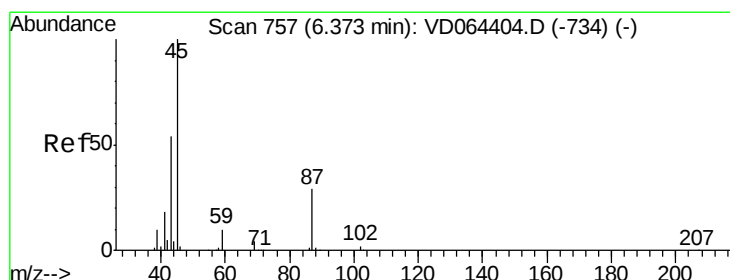
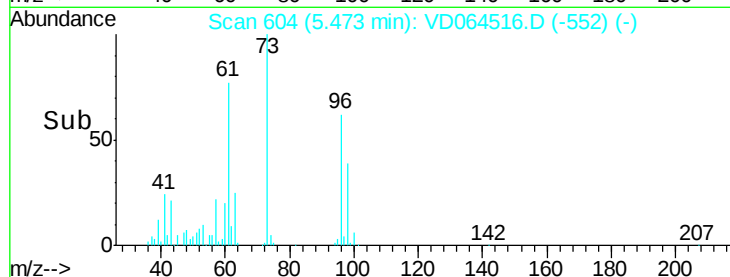
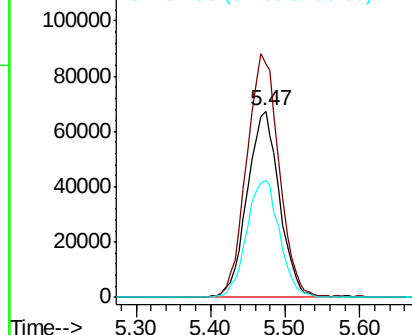


Abundance

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



#22

Diisopropyl ether

Concen: 54.510 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Tgt Ion: 45 Resp: 580805

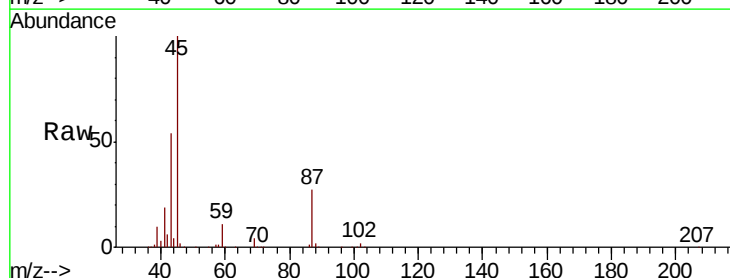
Ion Ratio Lower Upper

45 100

43 53.1 43.1 64.7

87 26.7 23.5 35.3

59 11.1 8.2 12.2



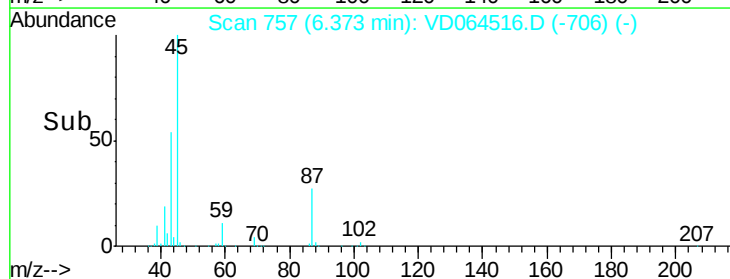
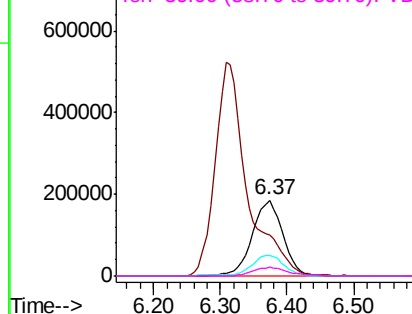
Abundance

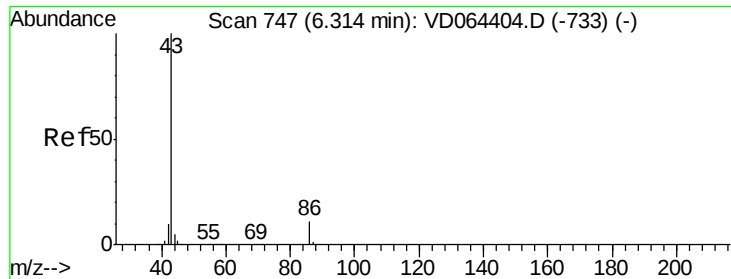
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

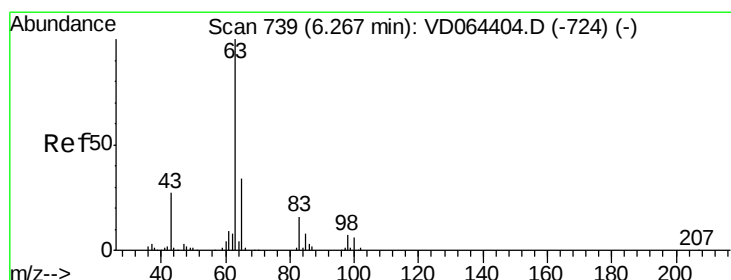
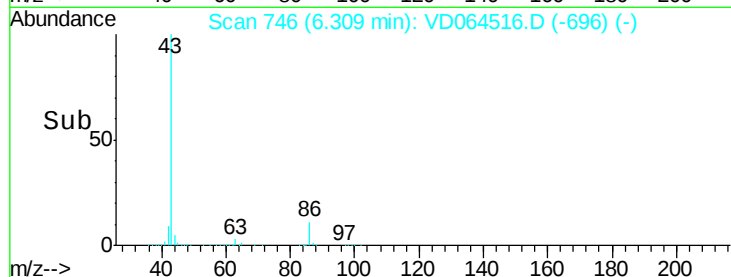
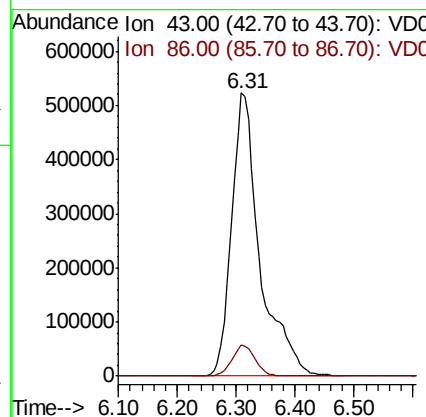
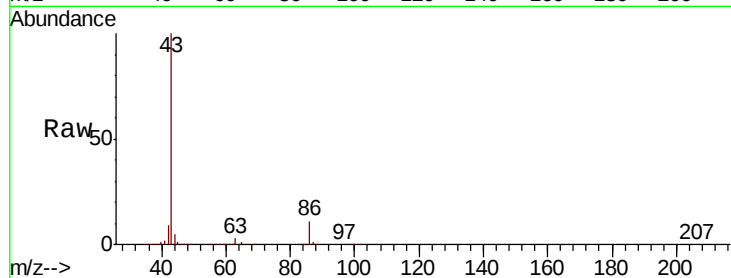




#23
 Vinyl Acetate
 Concen: 279.504 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

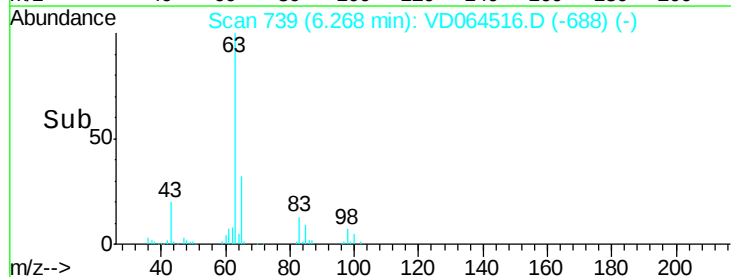
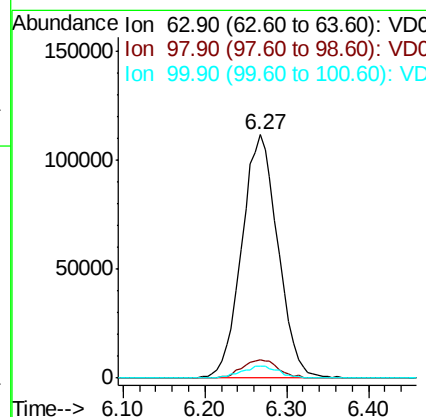
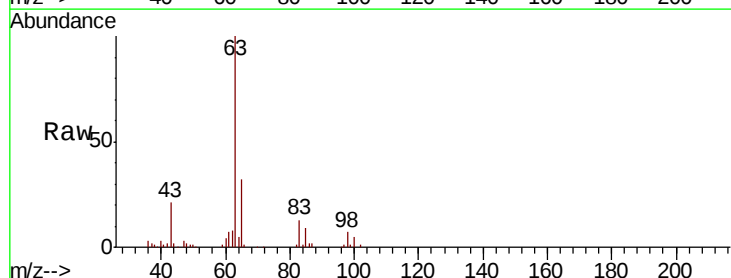
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

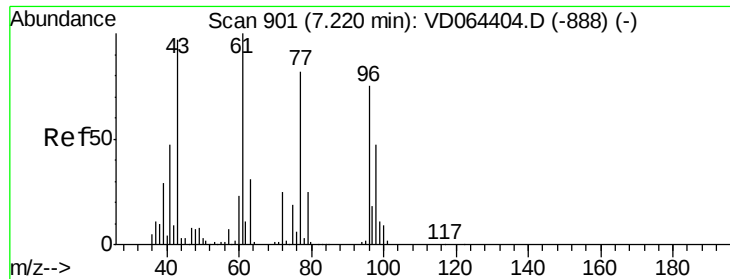
Tgt Ion: 43 Resp: 1755692
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 53.565 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion: 63 Resp: 343230
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.6 10.9
 100 4.8 2.9 8.6





#25

2-Butanone

Concen: 273.208 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

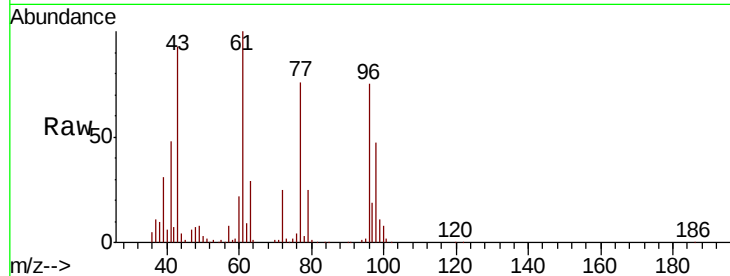
VSTDCCC050EC

Tgt Ion: 43 Resp: 271164

Ion Ratio Lower Upper

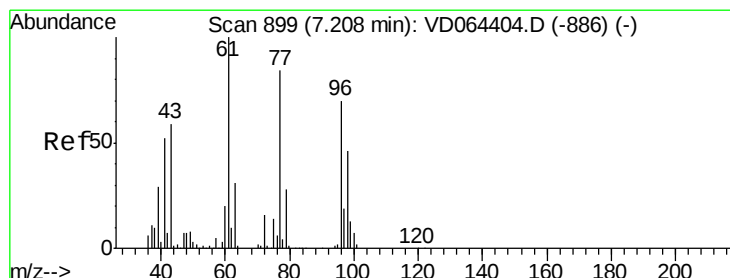
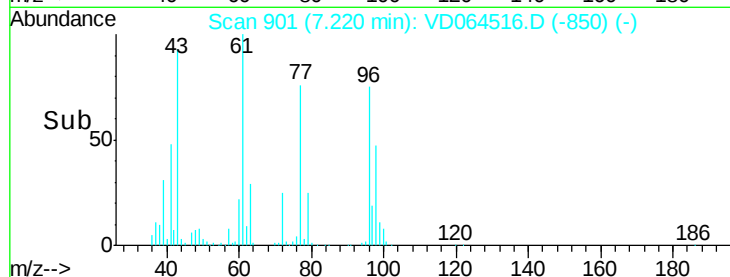
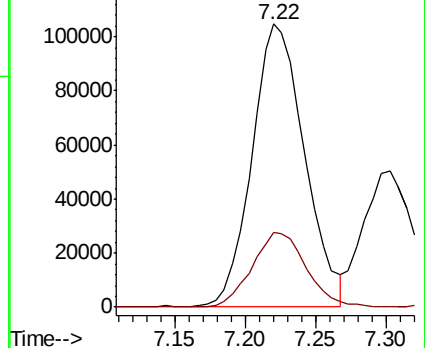
43 100

72 26.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.387 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064516.D

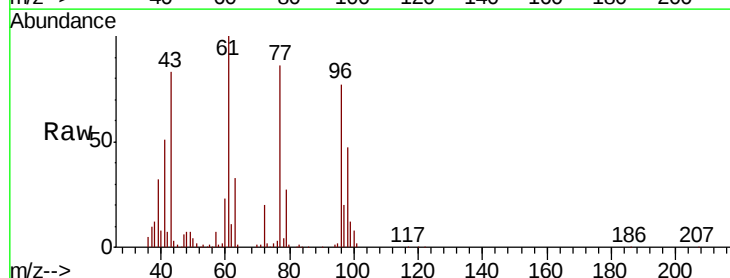
Acq: 13 Dec 2019 19:42

Tgt Ion: 77 Resp: 286356

Ion Ratio Lower Upper

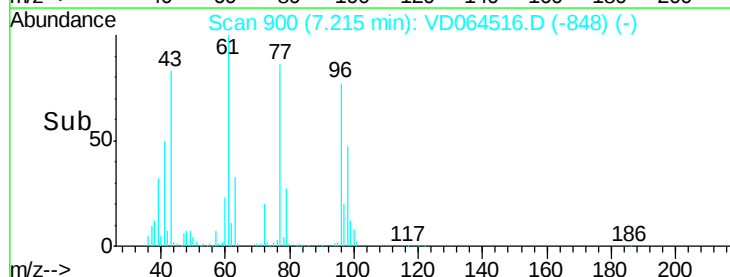
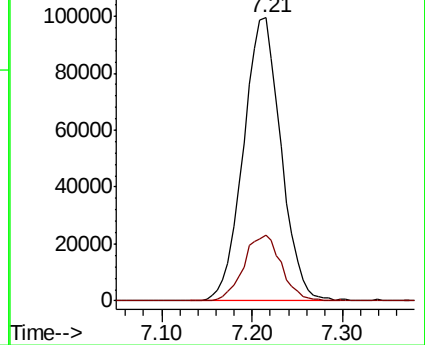
77 100

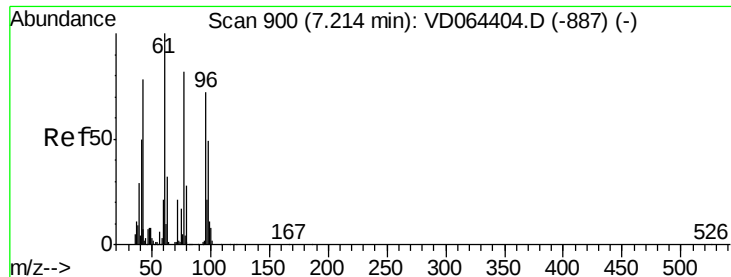
97 23.1 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 54.300 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

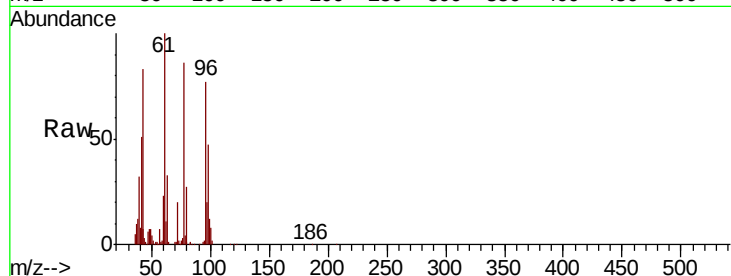
Tgt Ion: 96 Resp: 231587

Ion Ratio Lower Upper

96 100

61 136.7 0.0 279.6

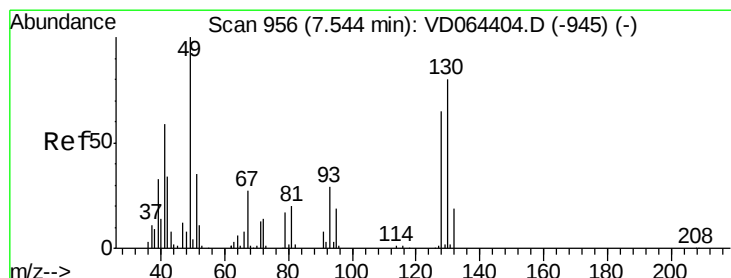
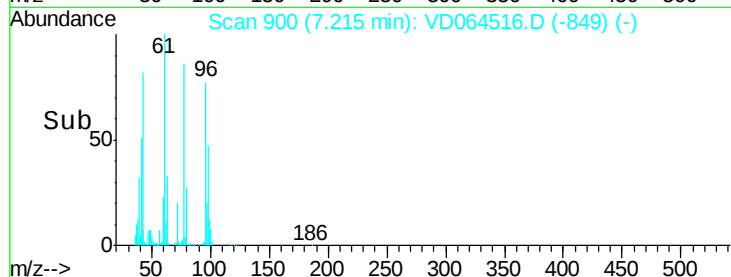
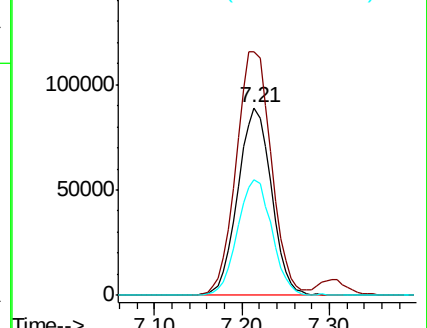
98 63.3 0.0 129.2



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: 59.268 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

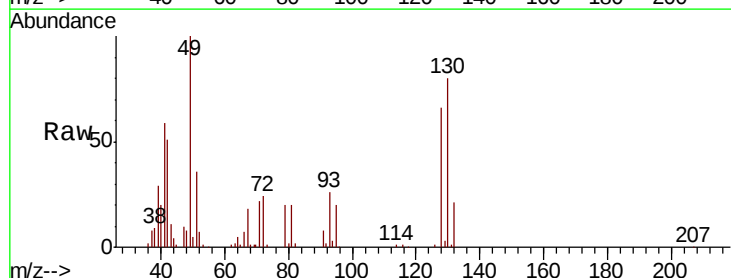
Tgt Ion: 49 Resp: 129787

Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.4

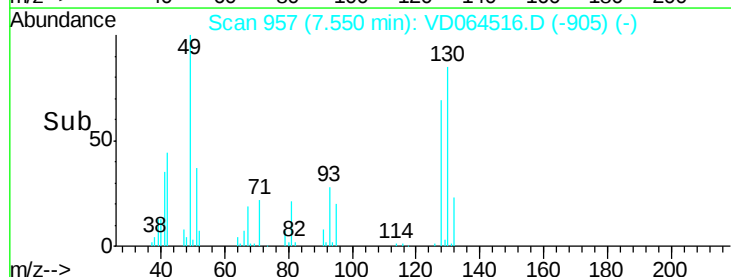
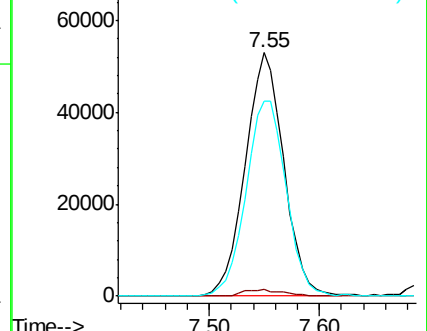
130 83.6 67.4 101.0

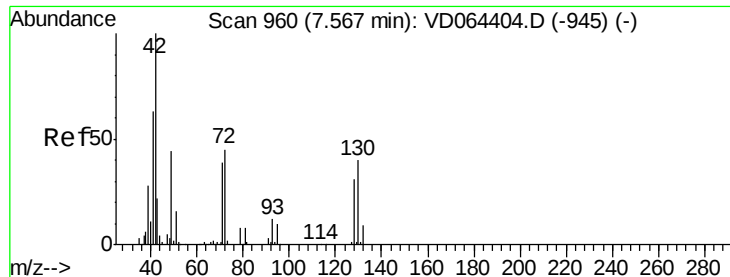


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 281.428 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

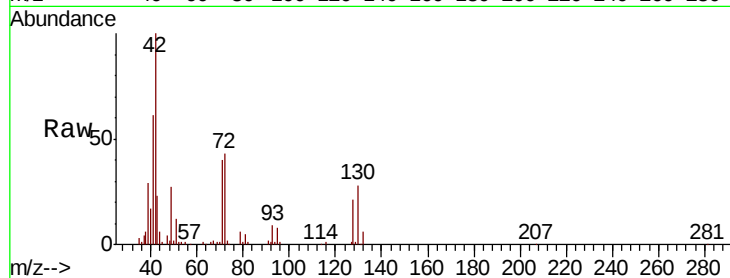
Tgt Ion: 42 Resp: 177712

Ion Ratio Lower Upper

42 100

72 42.5 35.8 53.8

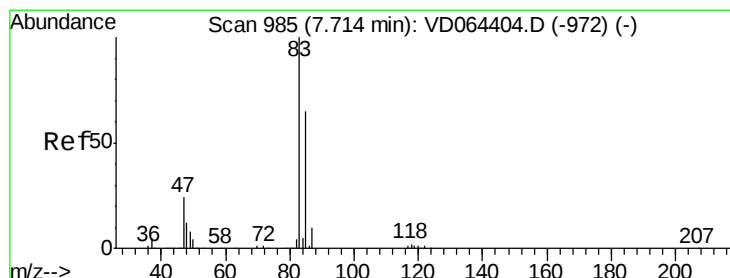
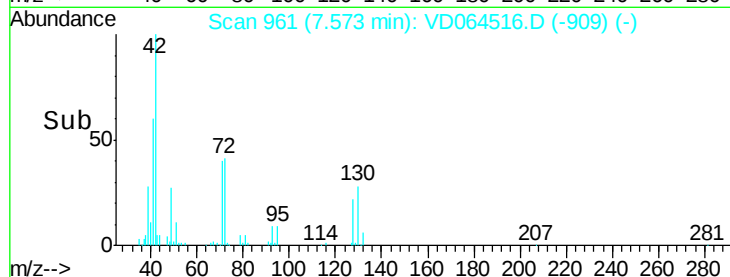
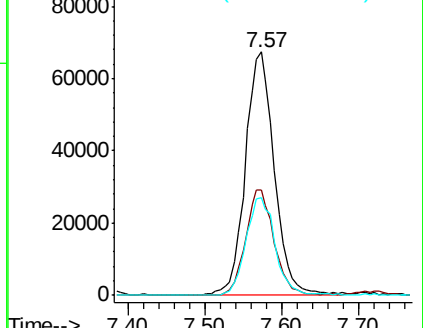
71 40.3 32.7 49.1



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: 55.230 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064516.D

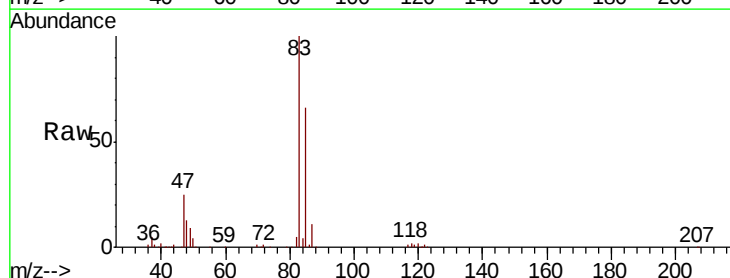
Acq: 13 Dec 2019 19:42

Tgt Ion: 83 Resp: 366521

Ion Ratio Lower Upper

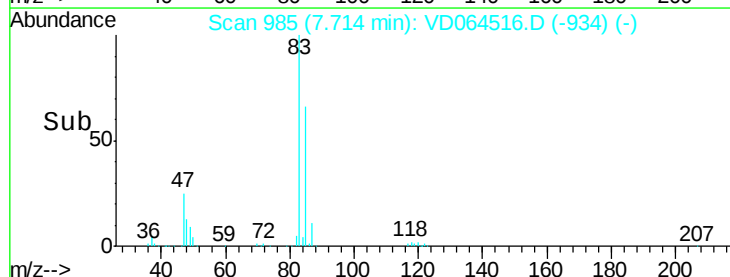
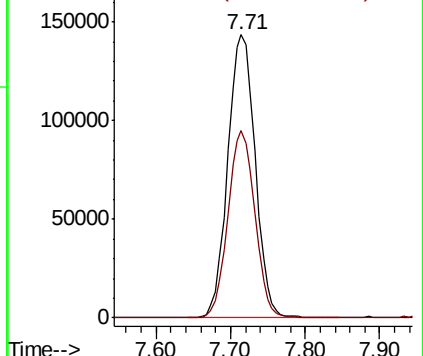
83 100

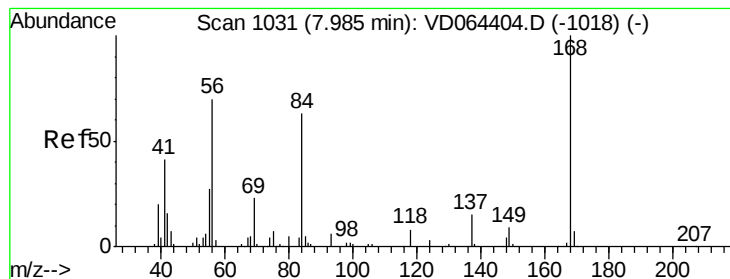
85 66.2 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 52.726 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

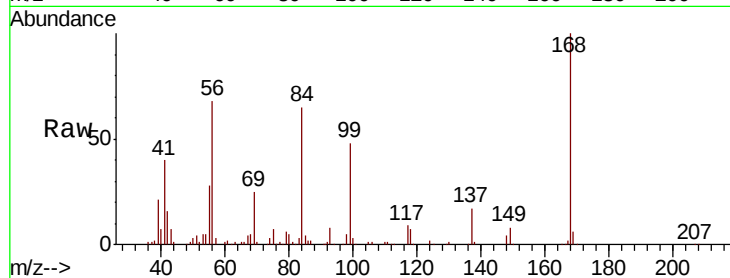
Tgt Ion: 56 Resp: 293569

Ion Ratio Lower Upper

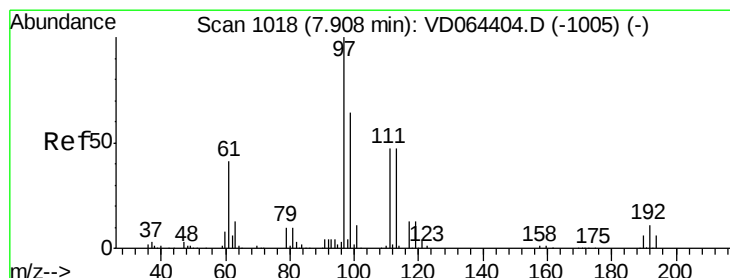
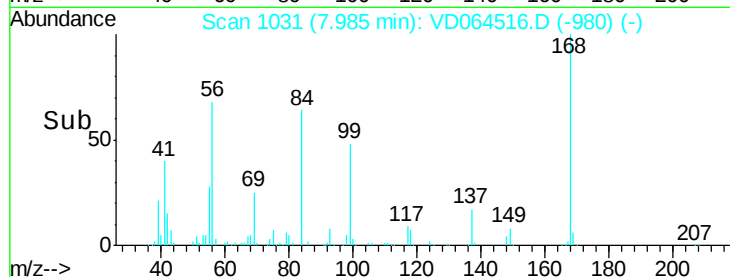
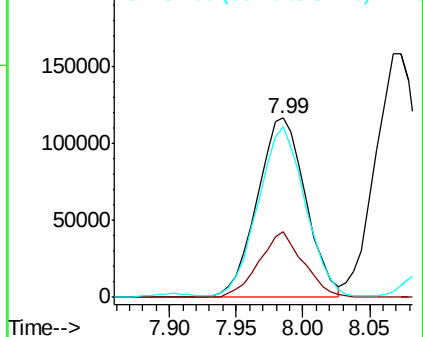
56 100

69 36.9 26.2 39.4

84 93.3 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: 53.060 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

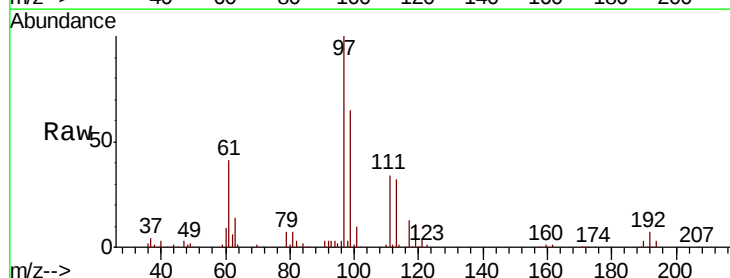
Tgt Ion: 97 Resp: 326449

Ion Ratio Lower Upper

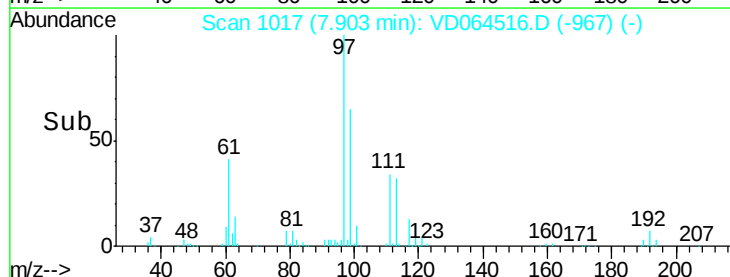
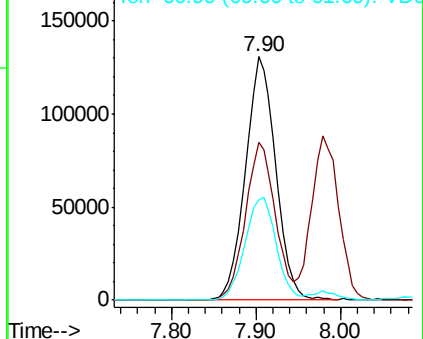
97 100

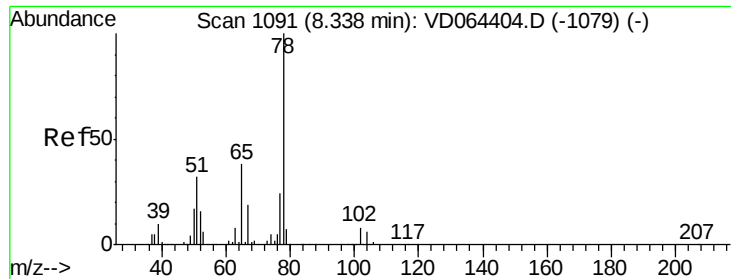
99 64.0 51.4 77.2

61 43.6 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

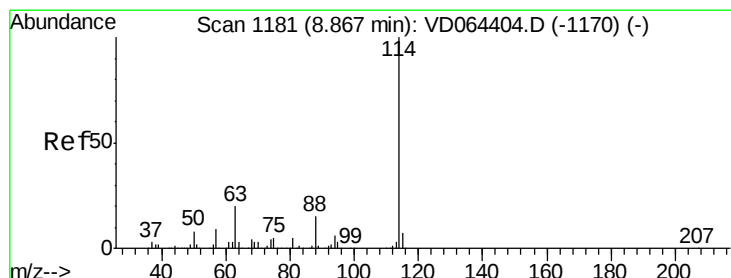
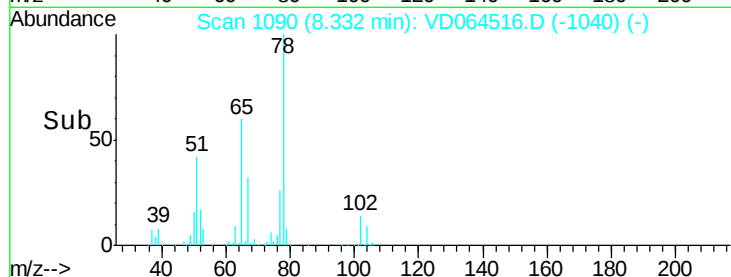
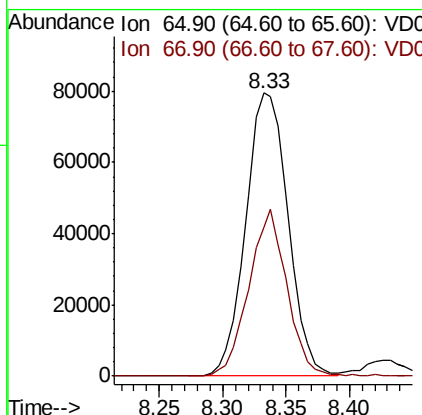
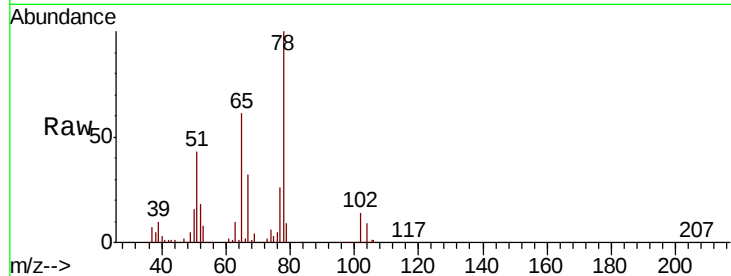




#33
 1,2-Dichloroethane-d4
 Concen: 53.259 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

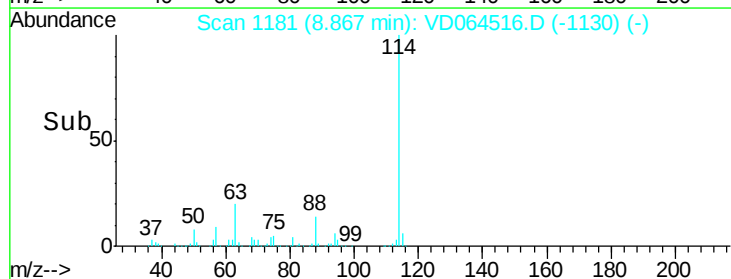
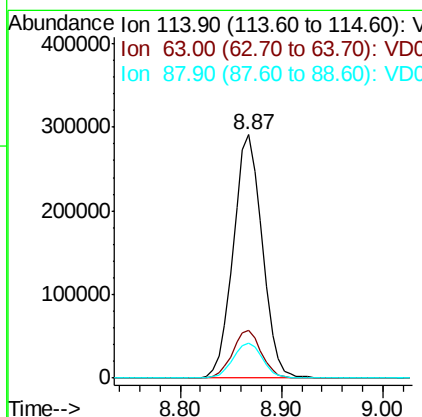
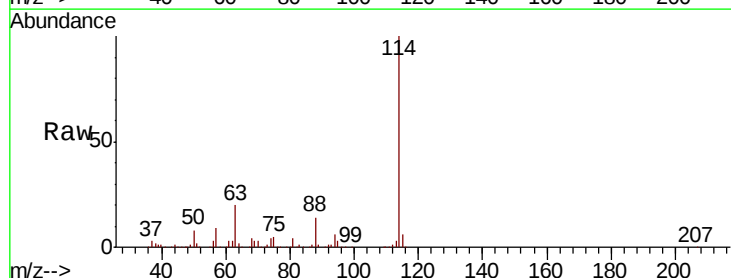
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

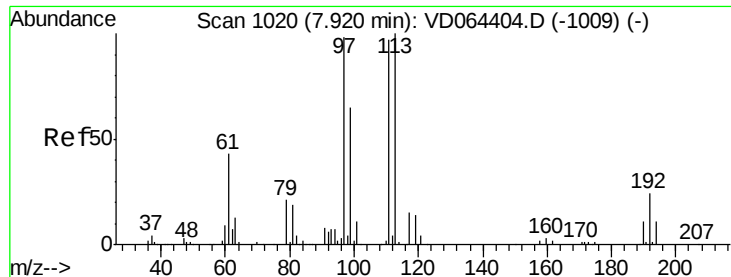
Tgt Ion: 65 Resp: 184966
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion: 114 Resp: 577181
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 14.5 0.0 29.2

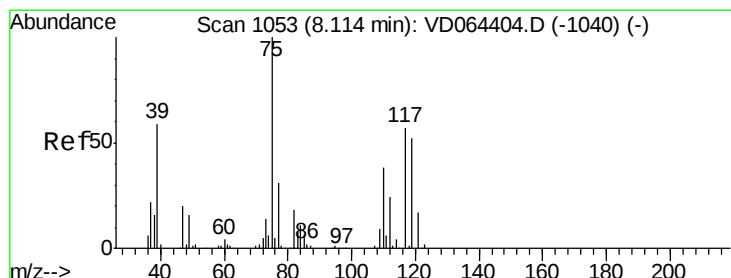
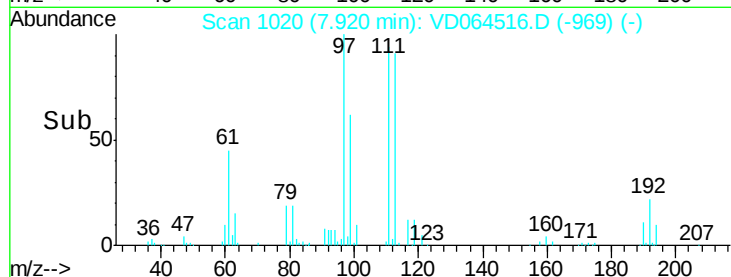
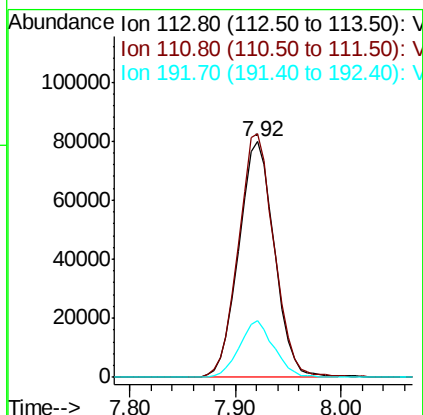
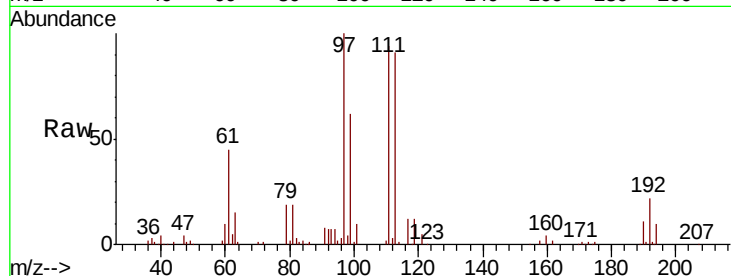




#35
 Dibromofluoromethane
 Concen: 51.488 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

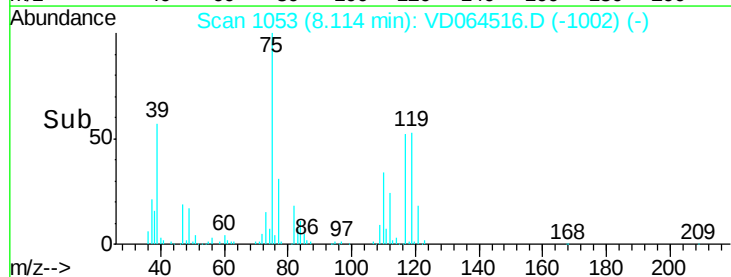
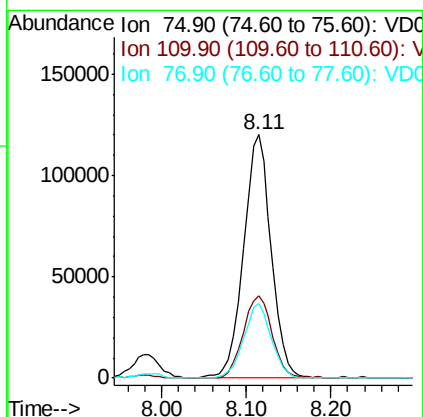
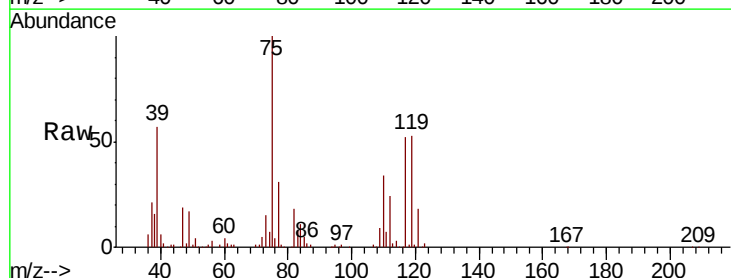
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

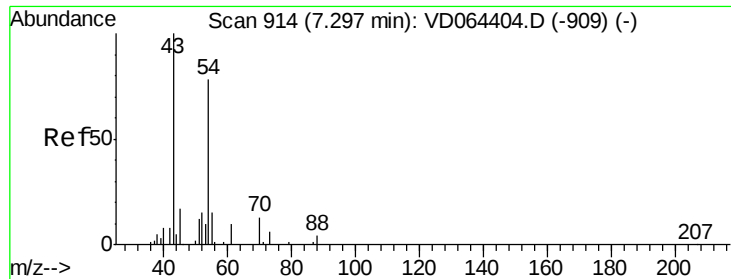
Tgt Ion: 113 Resp: 187236
 Ion Ratio Lower Upper
 113 100
 111 103.6 79.4 119.2
 192 23.2 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 49.734 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion: 75 Resp: 271515
 Ion Ratio Lower Upper
 75 100
 110 35.5 18.6 55.8
 77 31.0 25.0 37.4

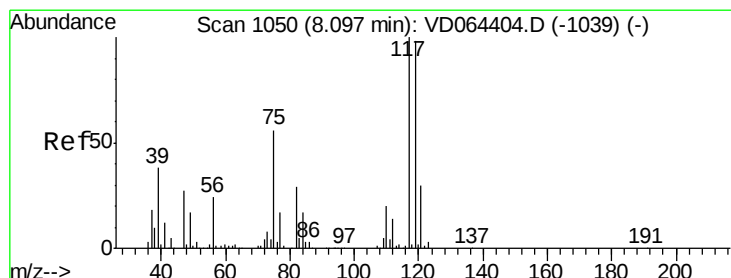
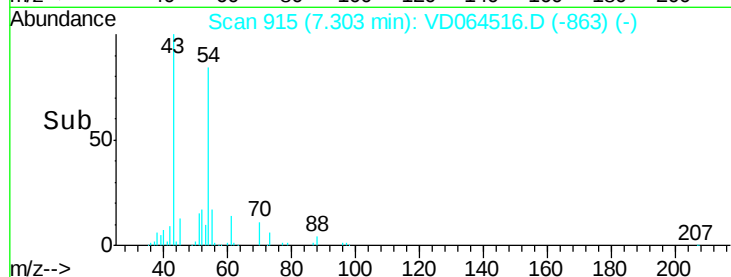
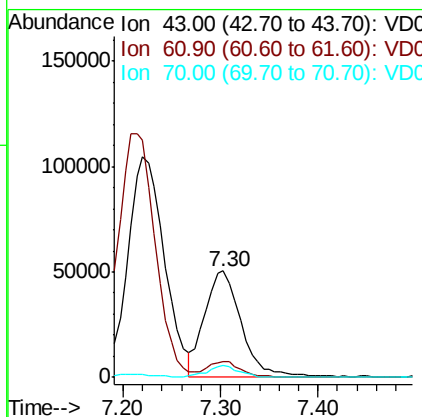
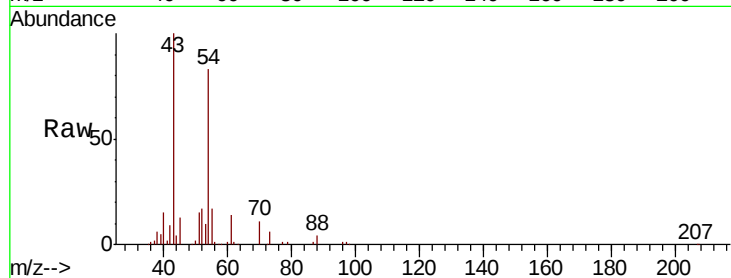




#37
Ethyl Acetate
Concen: 55.653 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

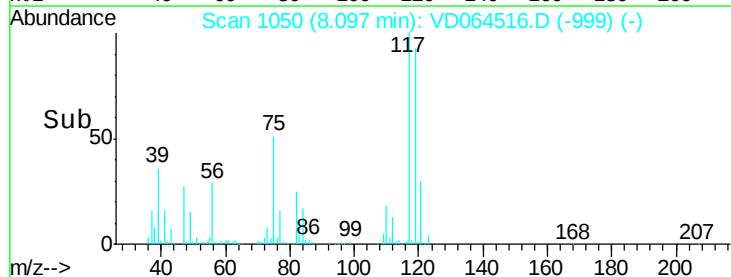
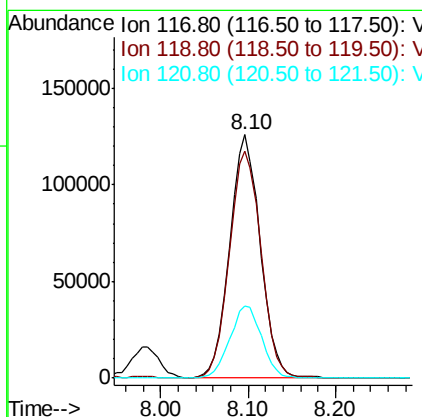
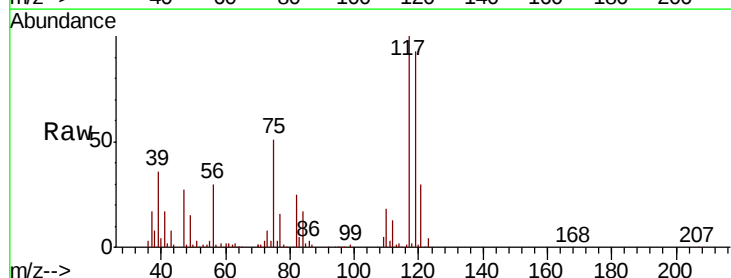
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

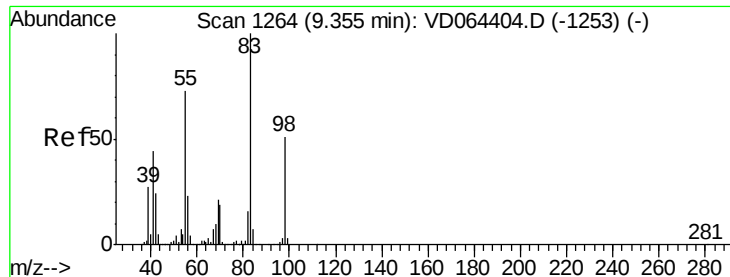
Tgt Ion: 43 Resp: 128919
Ion Ratio Lower Upper
43 100
61 13.5 10.9 16.3
70 10.0 8.3 12.5



#38
Carbon Tetrachloride
Concen: 51.553 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion: 117 Resp: 297043
Ion Ratio Lower Upper
117 100
119 93.6 78.8 118.2
121 29.7 24.2 36.2

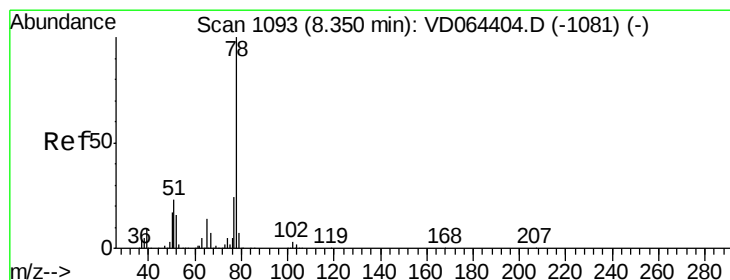
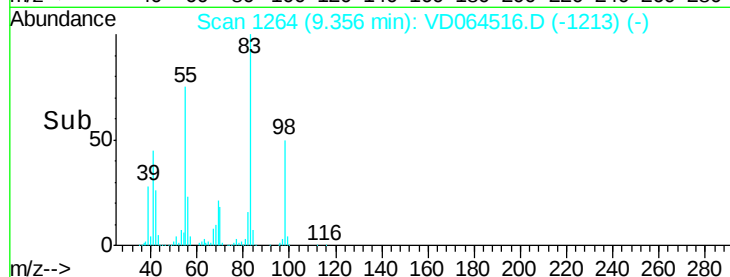
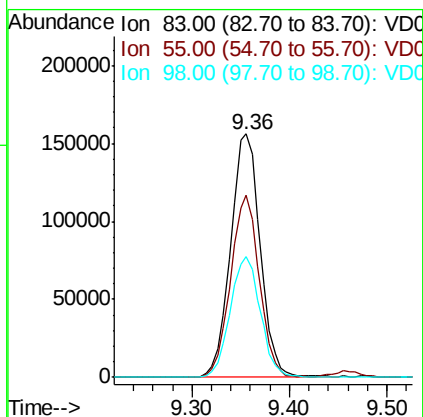
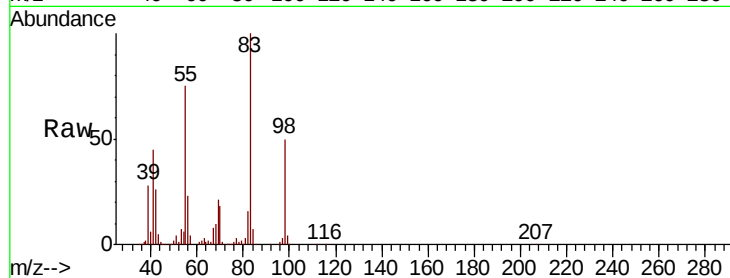




#39
Methylcyclohexane
Concen: 48.468 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

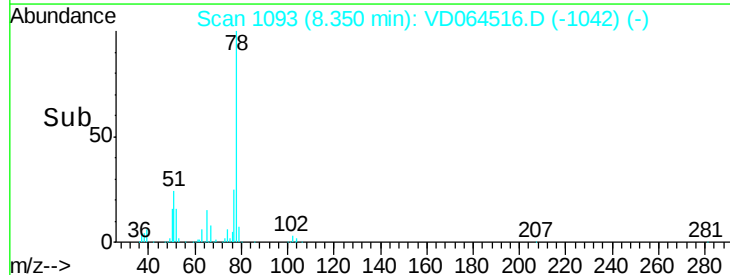
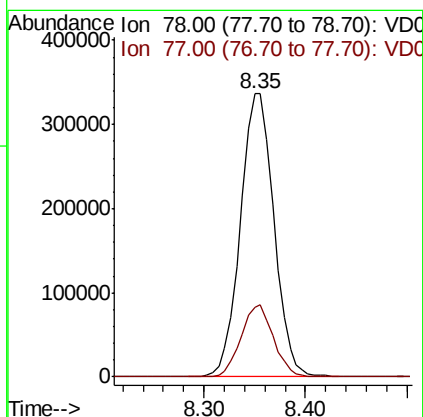
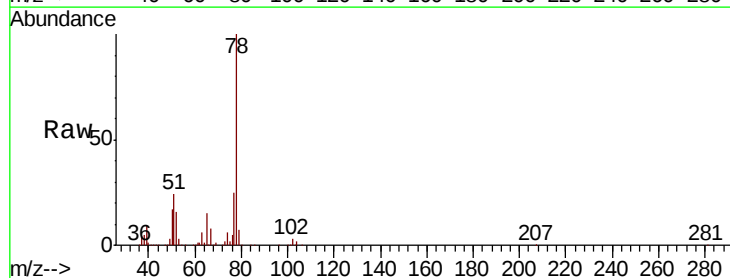
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

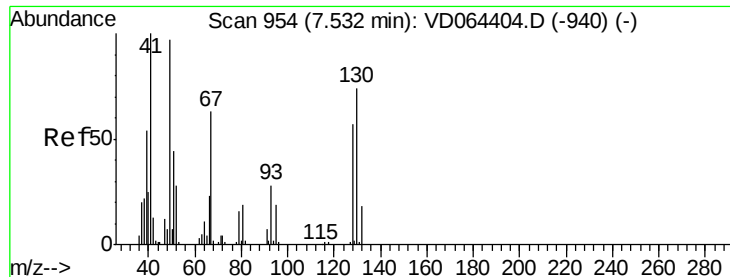
Tgt Ion: 83 Resp: 328226
Ion Ratio Lower Upper
83 100
55 74.6 58.6 87.8
98 49.5 40.9 61.3



#40
Benzene
Concen: 50.904 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion: 78 Resp: 771849
Ion Ratio Lower Upper
78 100
77 24.7 19.6 29.4

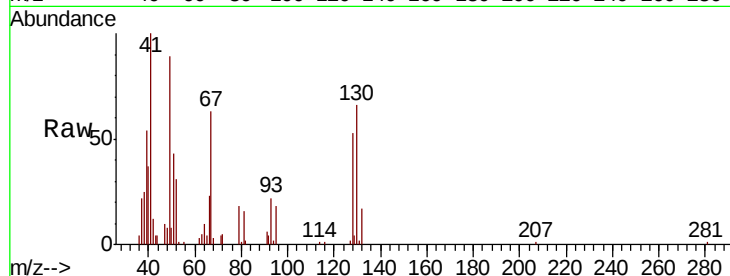




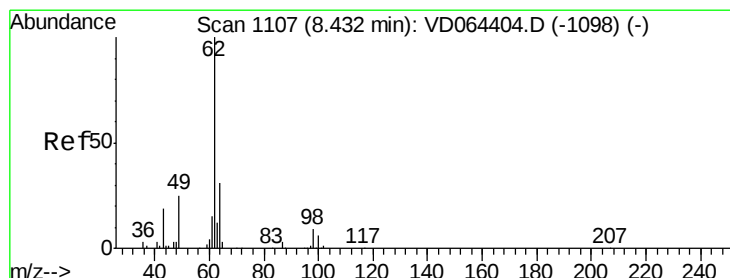
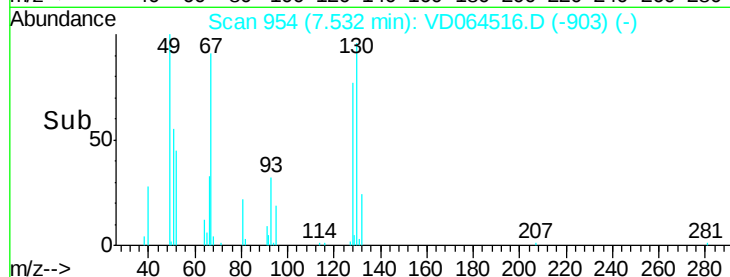
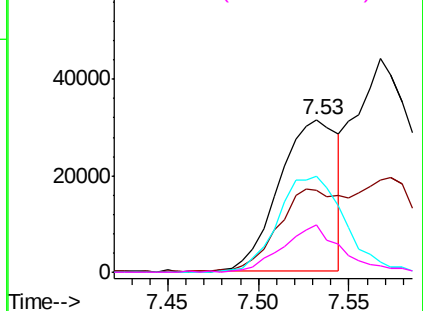
#41
Methacrylonitrile
Concen: 53.204 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	70680
Ion	Ratio	Lower	Upper
41	100		
39	63.5	44.6	67.0
67	73.0	50.9	76.3
52	32.5	22.5	33.7

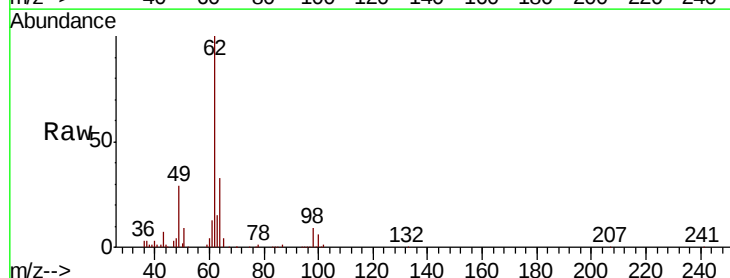


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

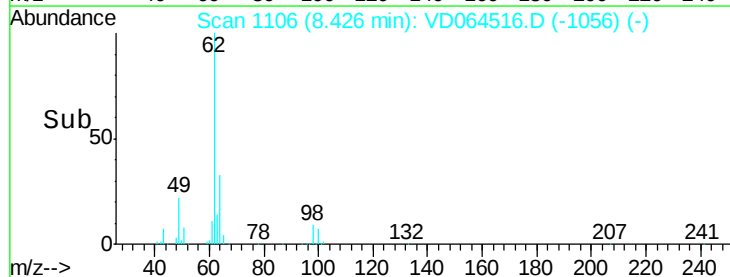
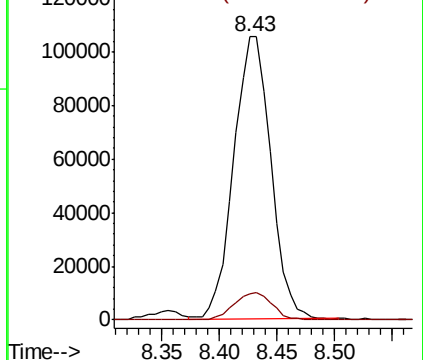


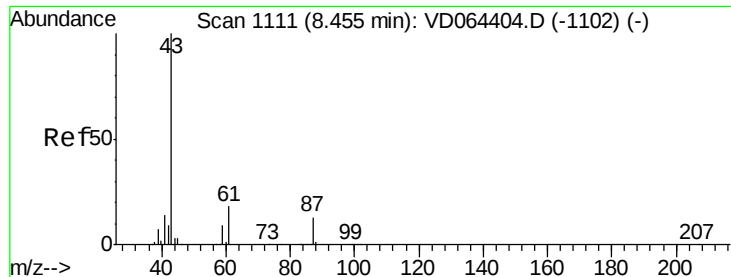
#42
1,2-Dichloroethane
Concen: 53.449 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion:	62	Resp:	236345
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 55.015 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

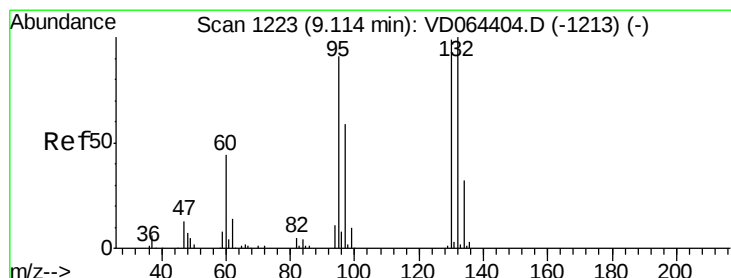
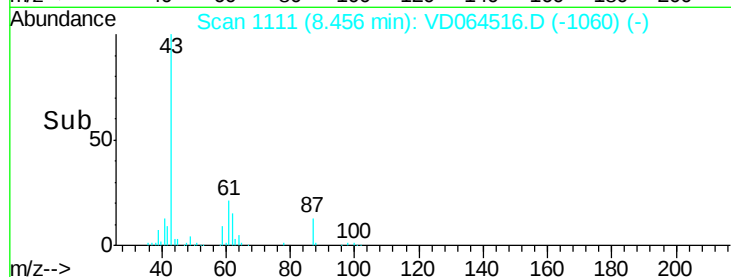
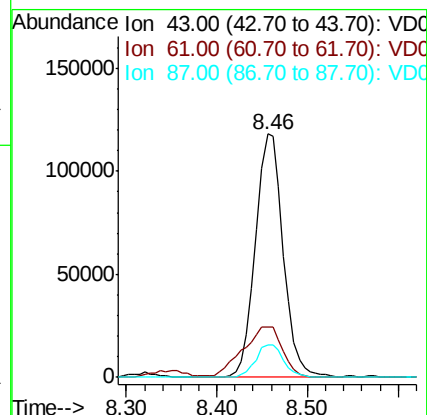
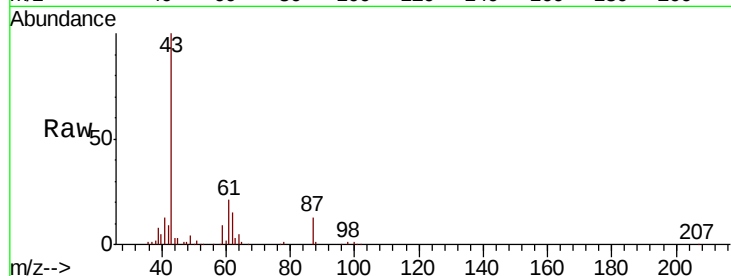
Tgt Ion: 43 Resp: 250578

Ion Ratio Lower Upper

43 100

61 29.0 24.0 36.0

87 13.3 10.6 15.8



#44

Trichloroethene

Concen: 49.253 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064516.D

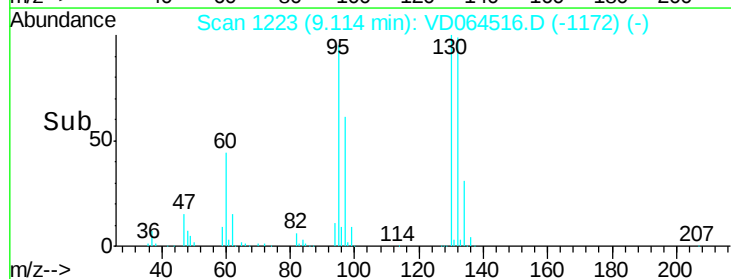
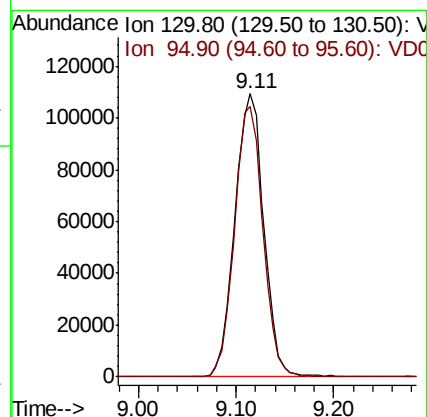
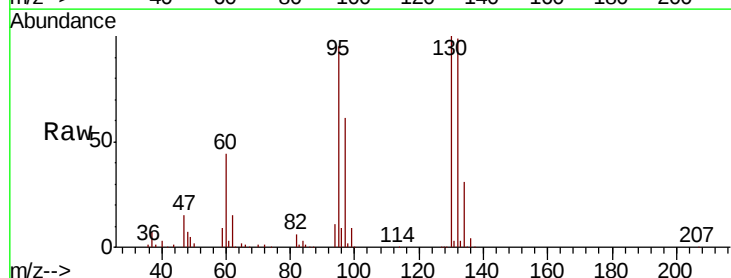
Acq: 13 Dec 2019 19:42

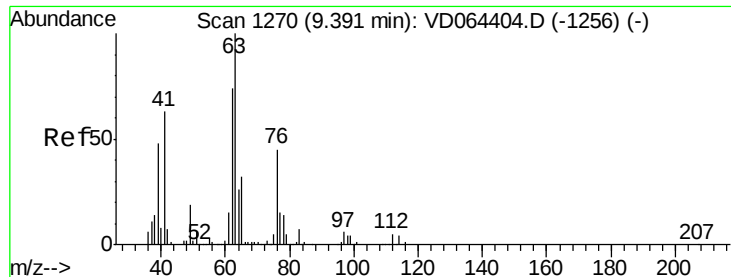
Tgt Ion: 130 Resp: 224963

Ion Ratio Lower Upper

130 100

95 95.4 0.0 184.6

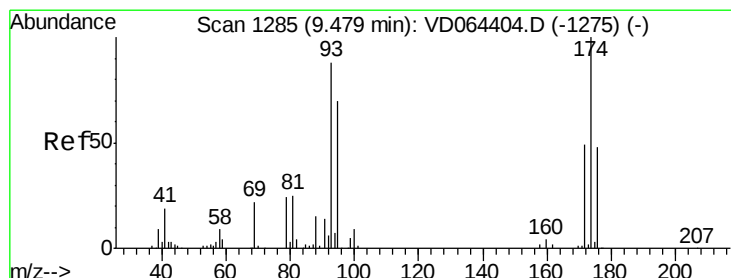
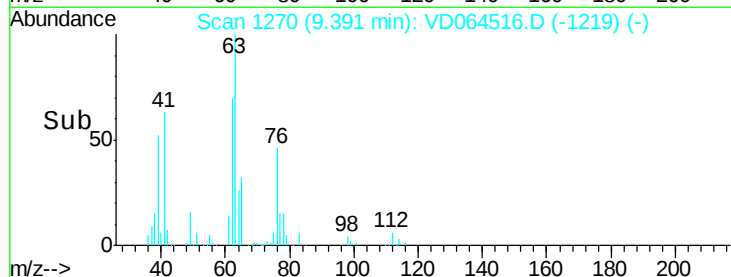
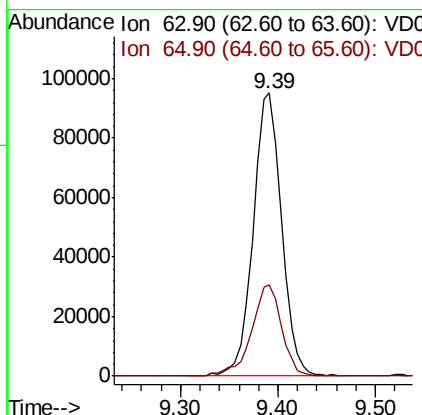
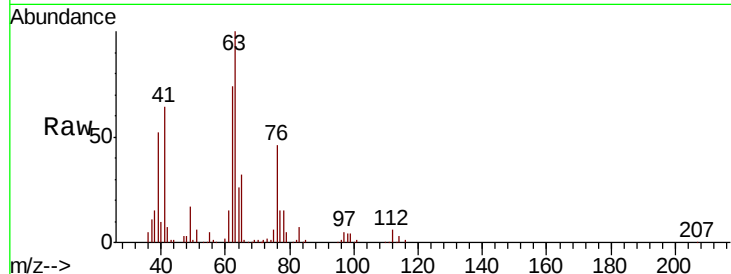




#45
 1,2-Dichloropropane
 Concen: 53.412 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

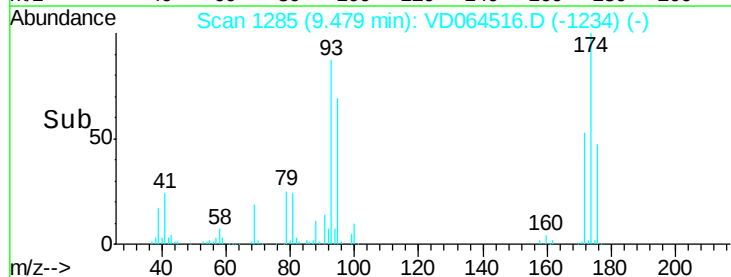
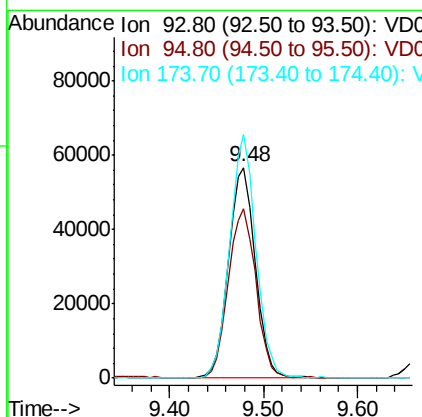
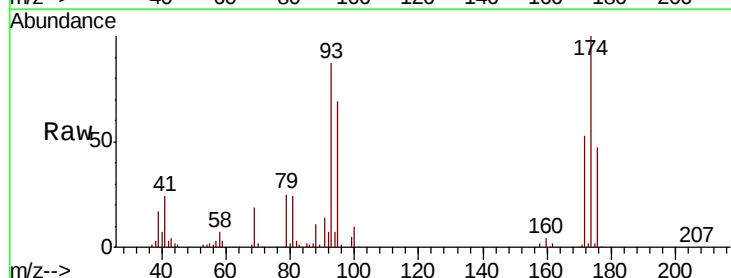
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

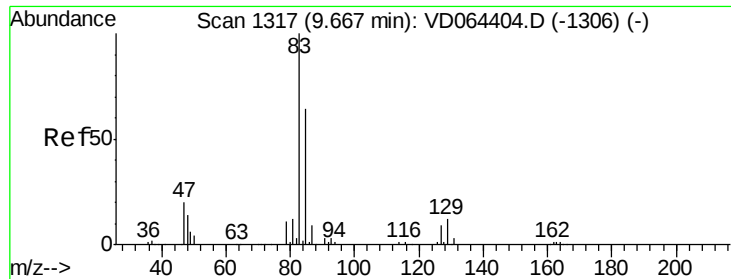
Tgt Ion: 63 Resp: 193689
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.4 38.0



#46
 Dibromomethane
 Concen: 54.988 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion: 93 Resp: 112544
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 112.7 92.3 138.5





#47

Bromodichloromethane

Concen: 54.863 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

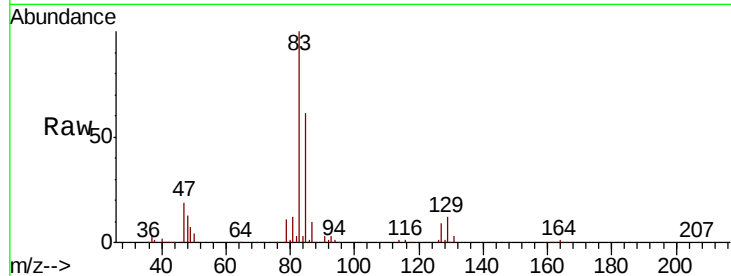
Tgt Ion: 83 Resp: 288518

Ion Ratio Lower Upper

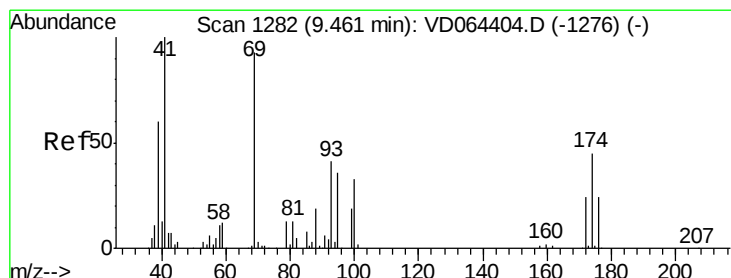
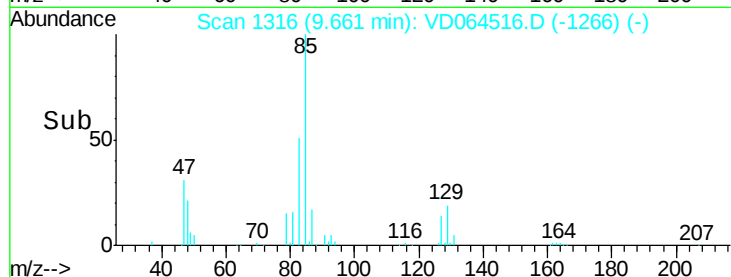
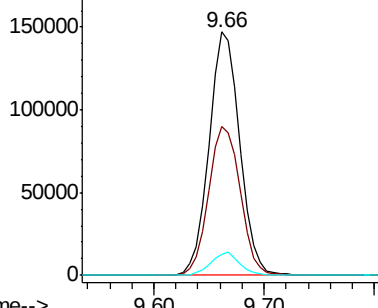
83 100

85 61.1 51.1 76.7

127 8.7 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): V



#48

Methyl methacrylate

Concen: 53.343 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

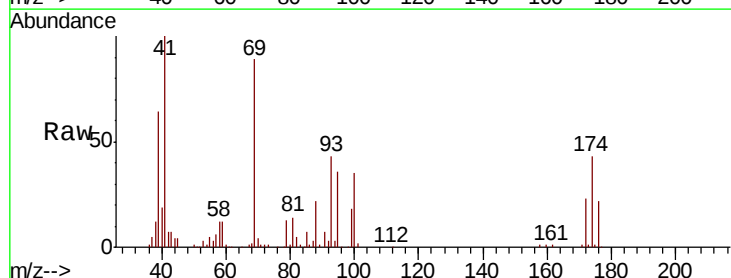
Tgt Ion: 41 Resp: 111177

Ion Ratio Lower Upper

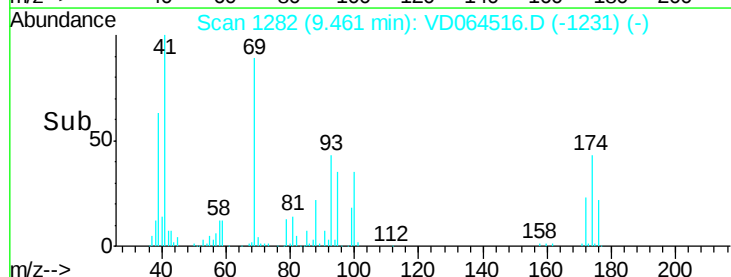
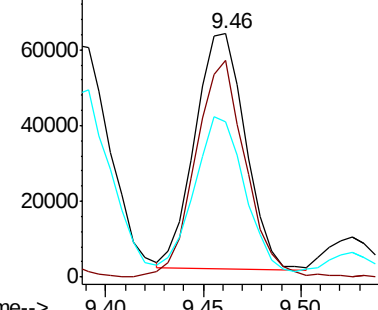
41 100

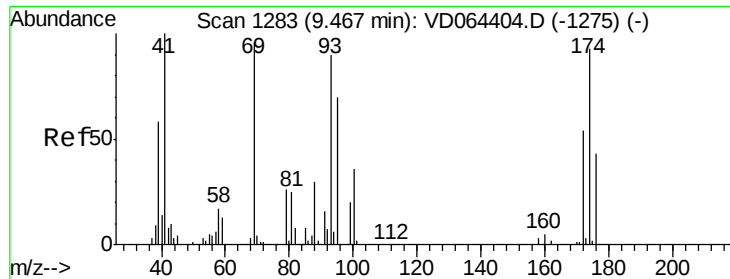
69 91.8 72.0 108.0

39 69.8 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

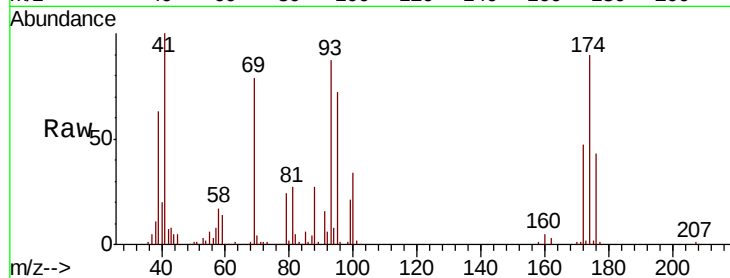




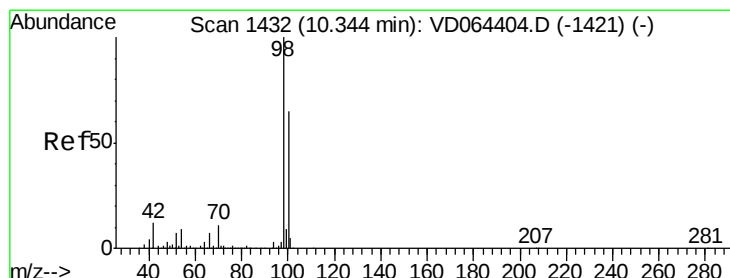
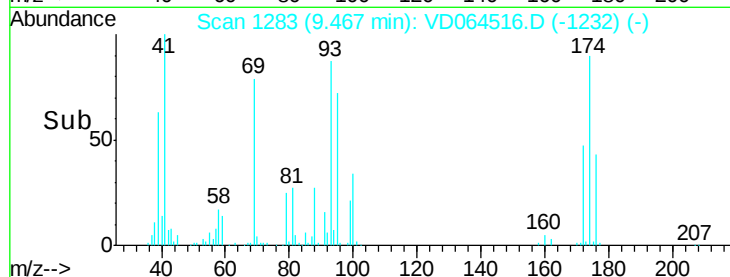
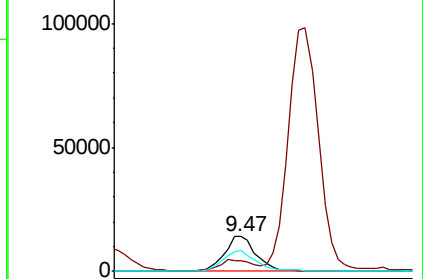
#49
1,4-Dioxane
Concen: 1132.762 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 28629
Ion Ratio Lower Upper
88 100
43 34.5 26.7 40.1
58 61.3 52.3 78.5

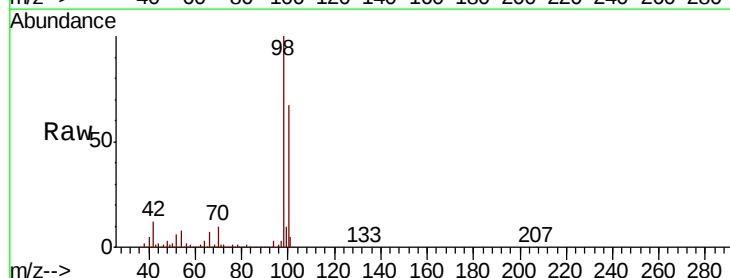


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

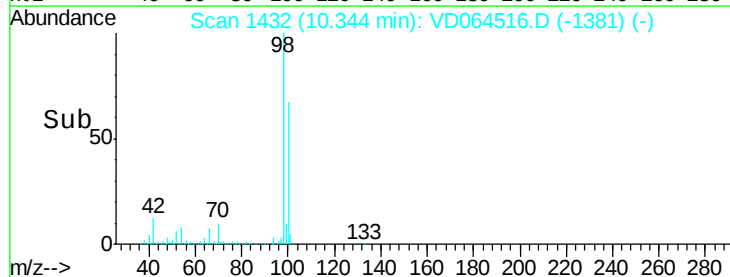
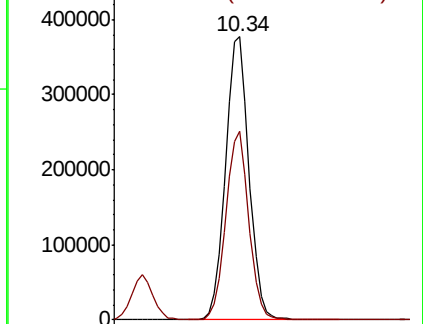


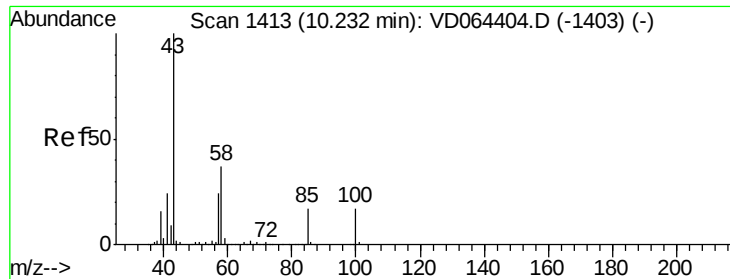
#50
Toluene-d8
Concen: 50.608 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion: 98 Resp: 693251
Ion Ratio Lower Upper
98 100
100 65.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

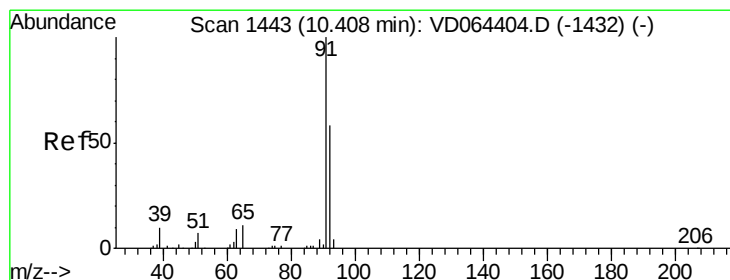
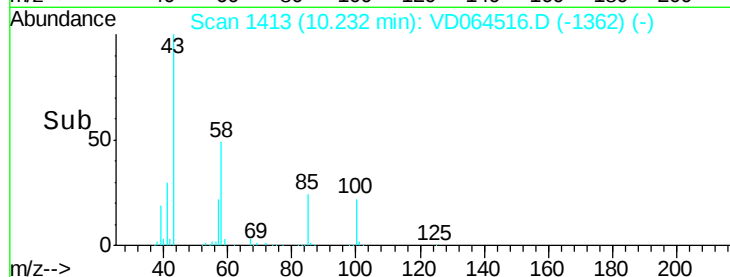
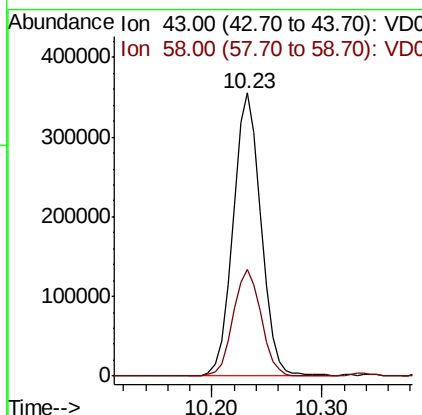
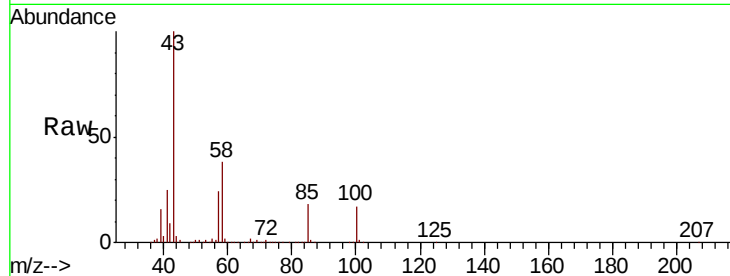




#51
 4-Methyl-2-Pentanone
 Concen: 280.111 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

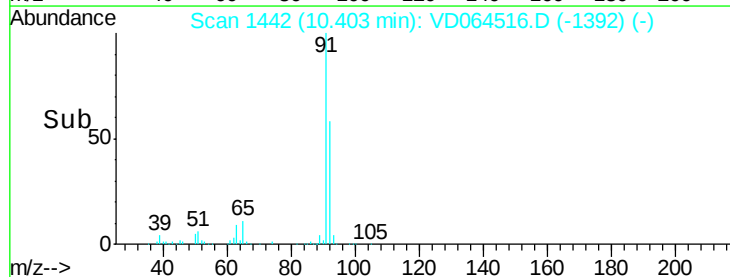
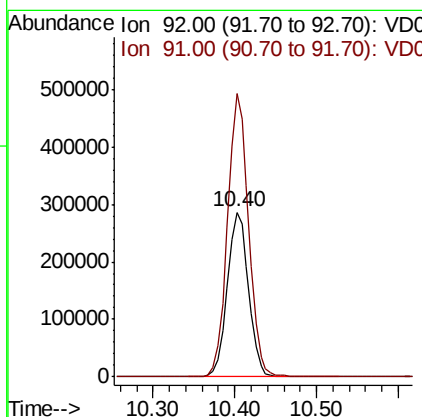
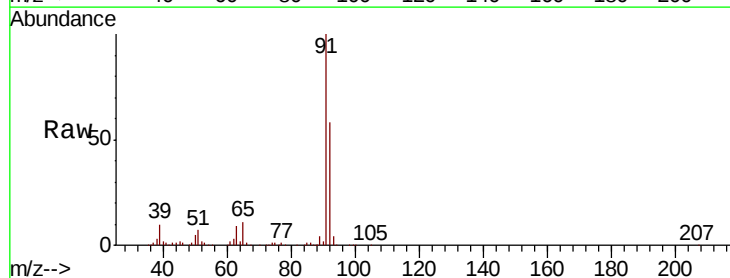
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

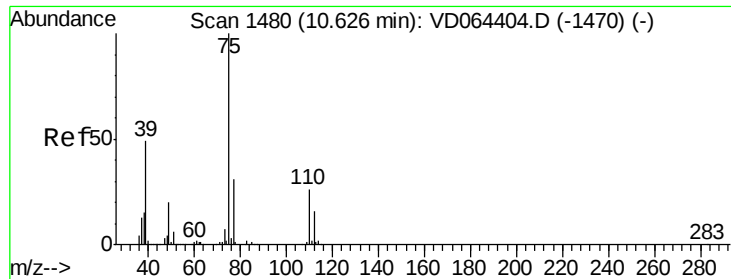
Tgt Ion: 43 Resp: 631266
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.6 46.0



#52
 Toluene
 Concen: 52.093 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion: 92 Resp: 514772
 Ion Ratio Lower Upper
 92 100
 91 170.5 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 54.908 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

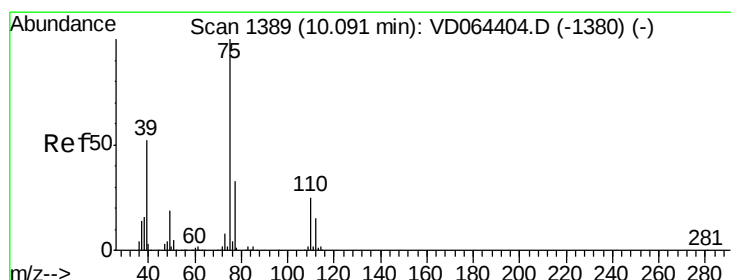
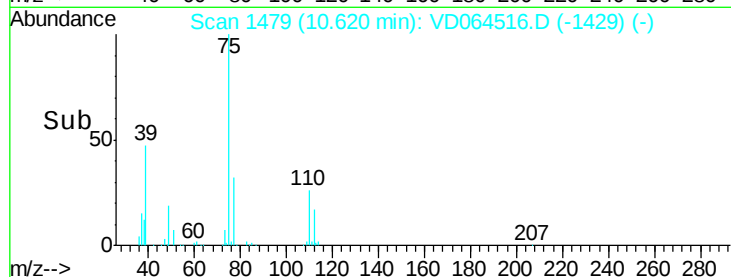
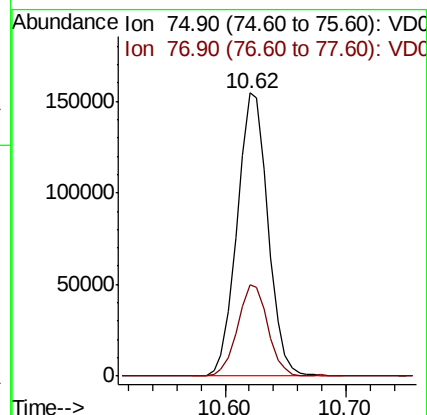
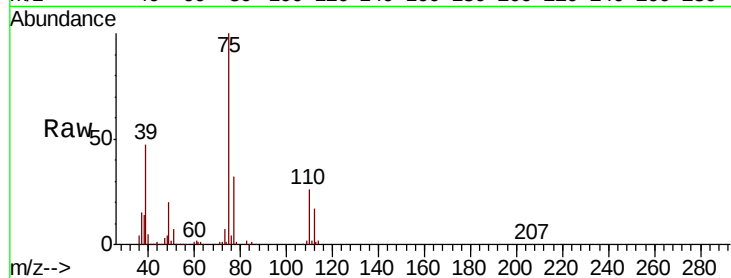
VSTDCCC050EC

Tgt Ion: 75 Resp: 275193

Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 53.598 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

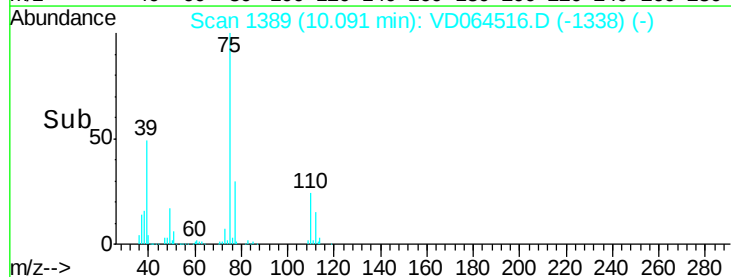
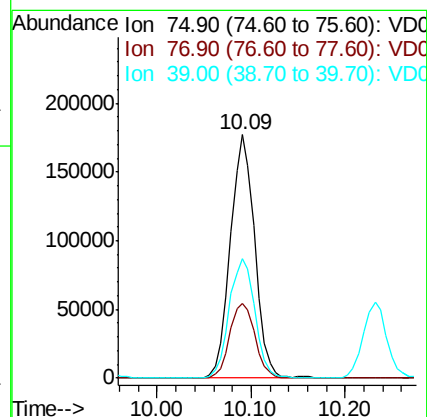
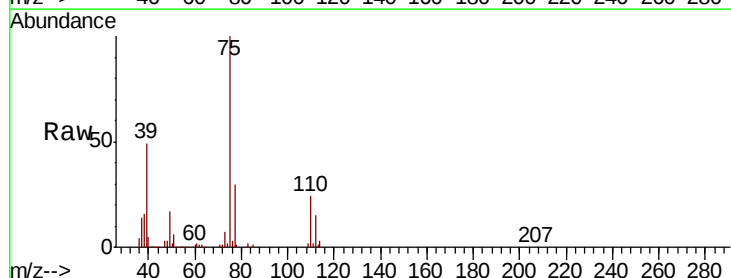
Tgt Ion: 75 Resp: 319122

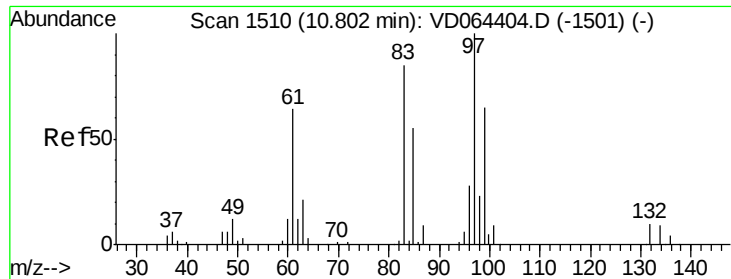
Ion Ratio Lower Upper

75 100

77 30.4 26.1 39.1

39 49.1 41.5 62.3

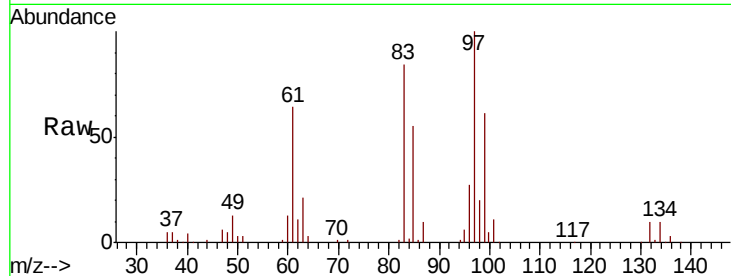




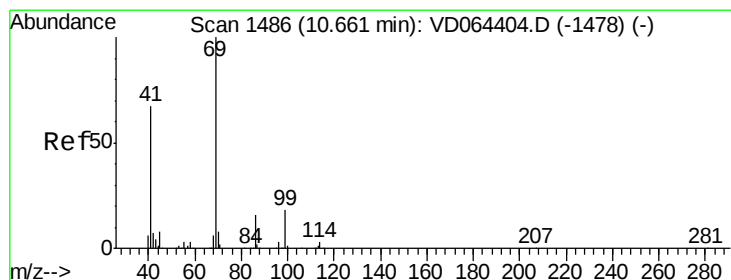
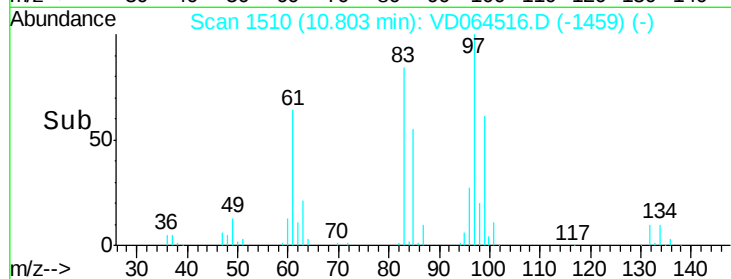
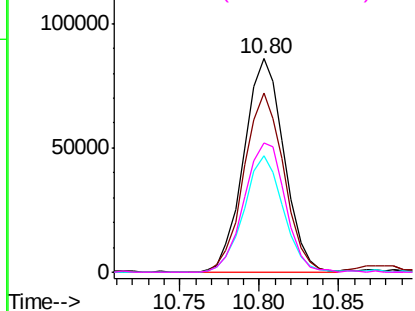
#55
 1,1,2-Trichloroethane
 Concen: 54.156 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 97 Resp: 151772
 Ion Ratio Lower Upper
 97 100
 83 83.6 67.8 101.8
 85 54.5 43.7 65.5
 99 60.7 51.7 77.5

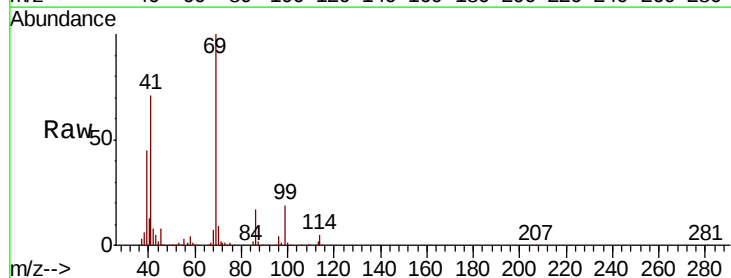


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

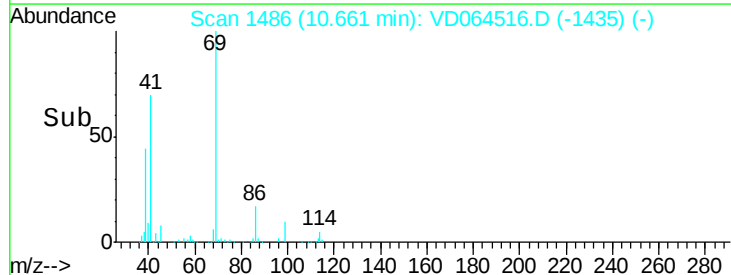
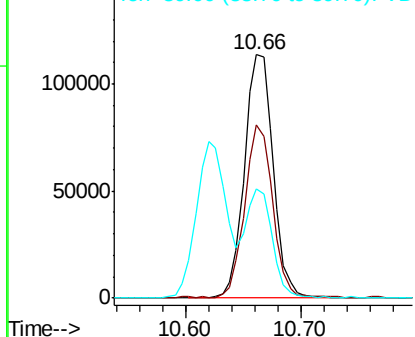


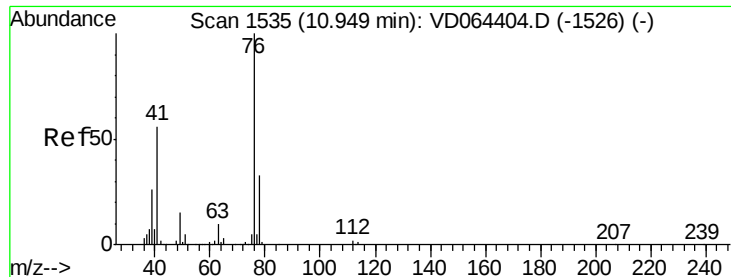
#56
 Ethyl methacrylate
 Concen: 55.082 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion: 69 Resp: 196888
 Ion Ratio Lower Upper
 69 100
 41 68.8 55.0 82.4
 39 42.0 33.0 49.6



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





#57

1,3-Dichloropropane

Concen: 54.401 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

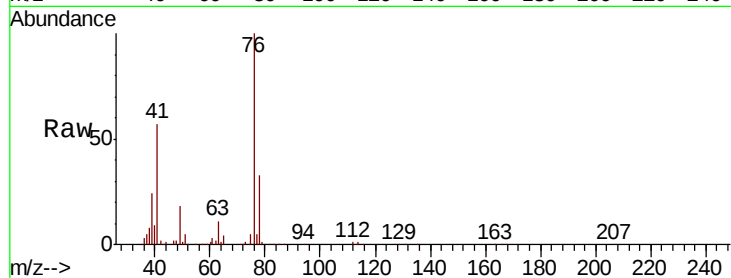
VSTDCCC050EC

Tgt Ion: 76 Resp: 259526

Ion Ratio Lower Upper

76 100

78 32.7 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

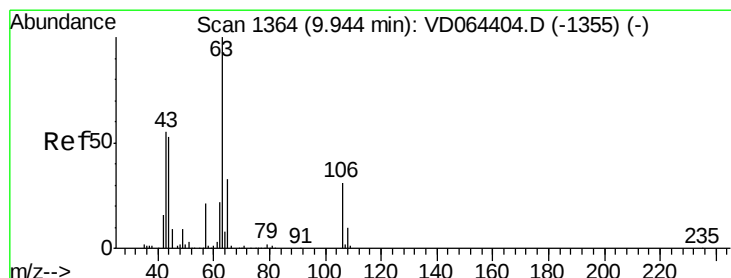
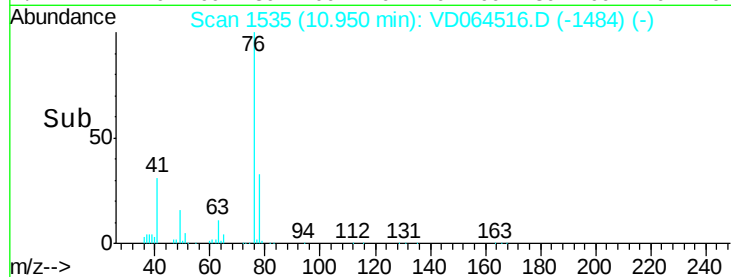
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 275.126 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064516.D

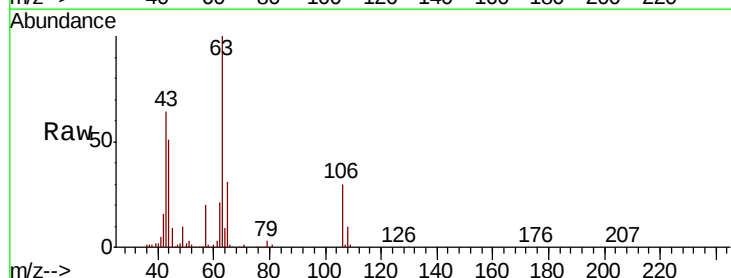
Acq: 13 Dec 2019 19:42

Tgt Ion: 63 Resp: 392028

Ion Ratio Lower Upper

63 100

106 30.6 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

250000

200000

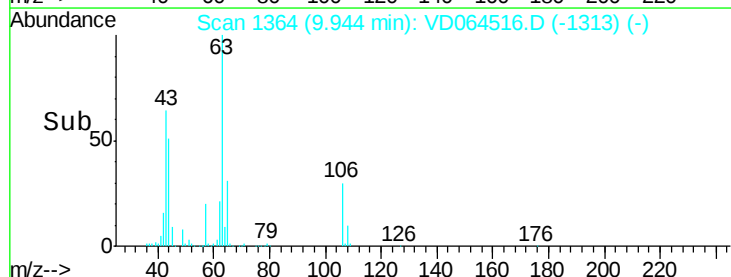
150000

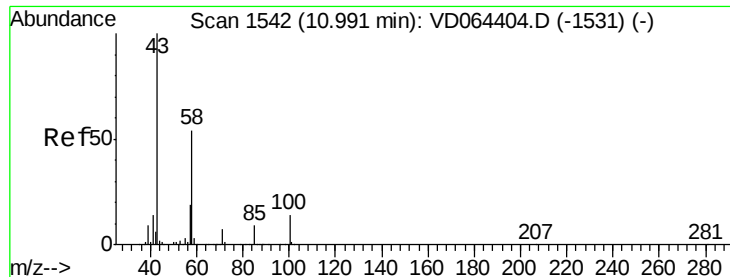
100000

50000

0

Time-->

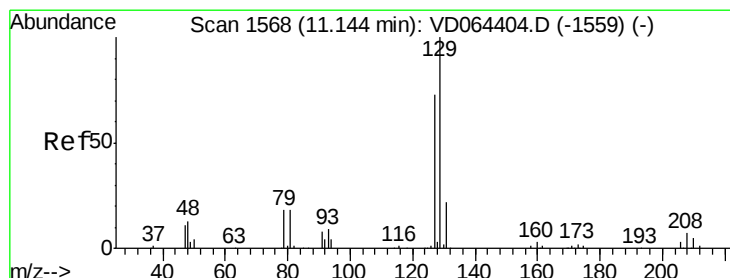
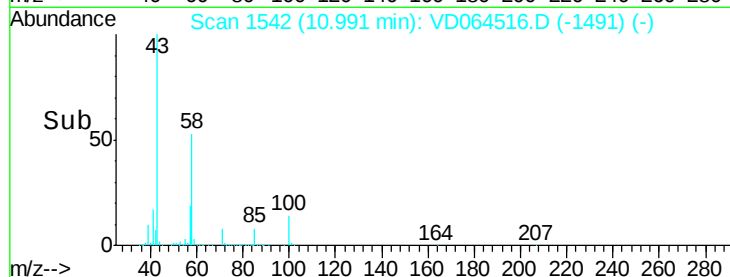
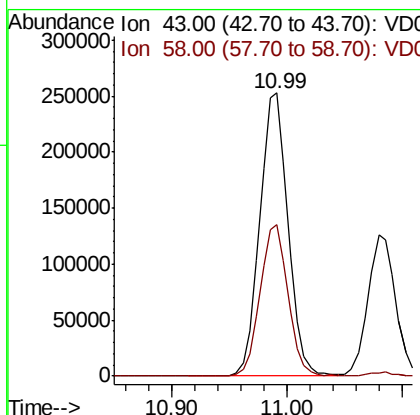
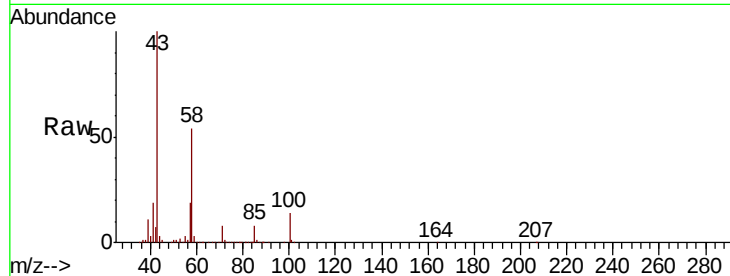




#59
2-Hexanone
Concen: 277.371 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

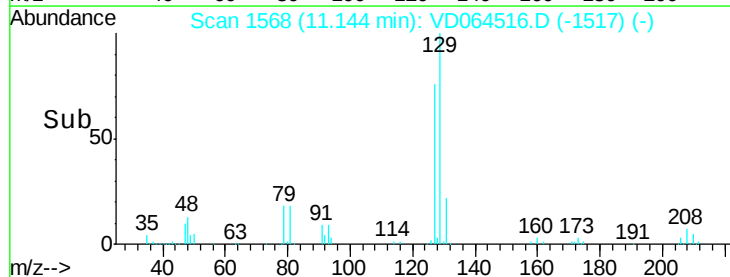
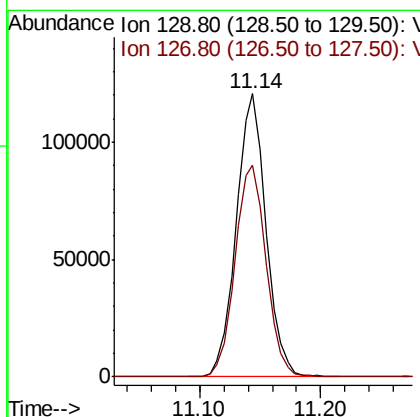
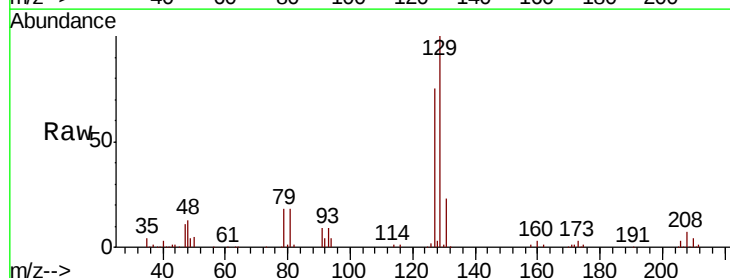
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

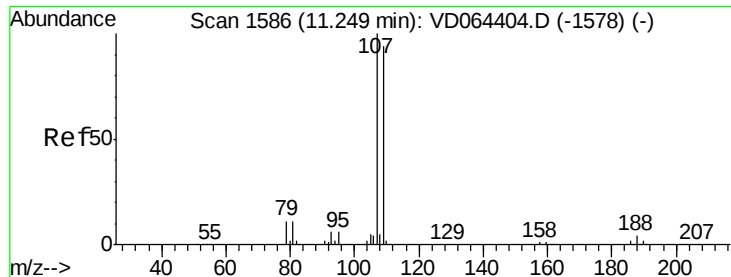
Tgt Ion: 43 Resp: 433744
Ion Ratio Lower Upper
43 100
58 52.6 26.3 78.8



#60
Dibromochloromethane
Concen: 54.555 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion: 129 Resp: 207298
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.3

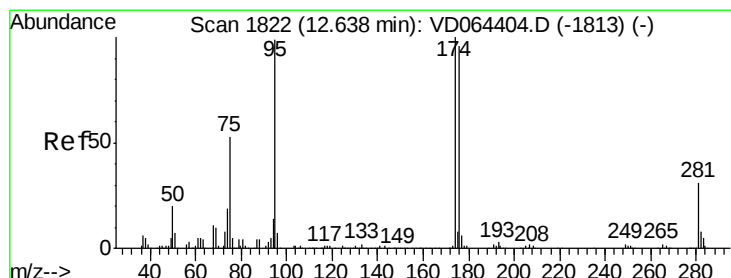
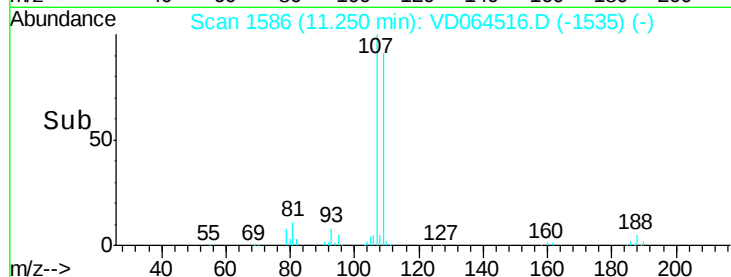
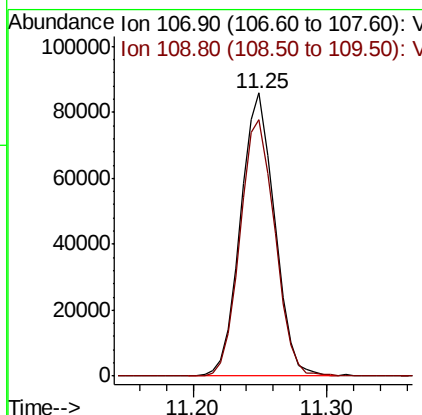
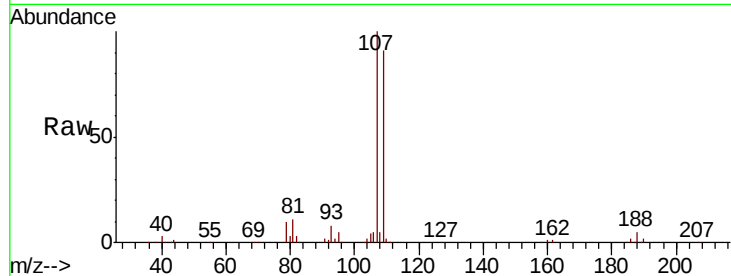




#61
 1,2-Dibromoethane
 Concen: 54.274 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

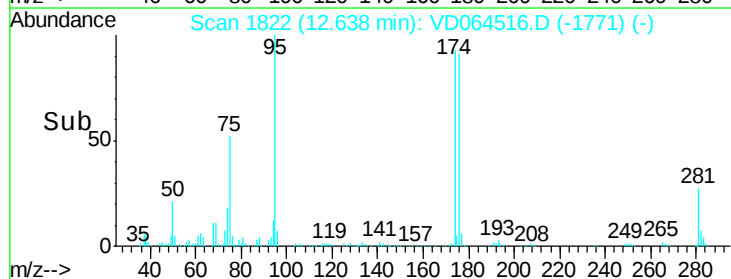
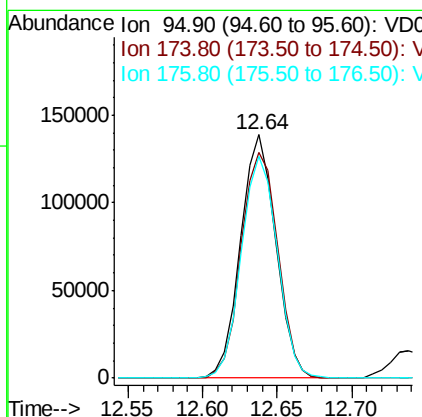
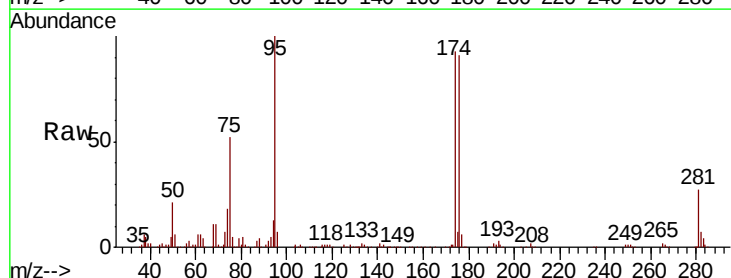
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

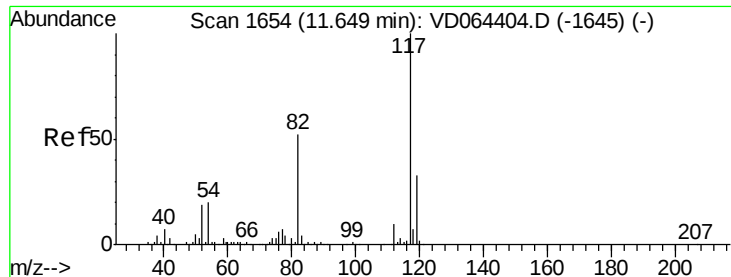
Tgt Ion: 107 Resp: 151868
 Ion Ratio Lower Upper
 107 100
 109 92.3 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 51.663 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion: 95 Resp: 227434
 Ion Ratio Lower Upper
 95 100
 174 96.8 0.0 197.2
 176 92.9 0.0 189.6

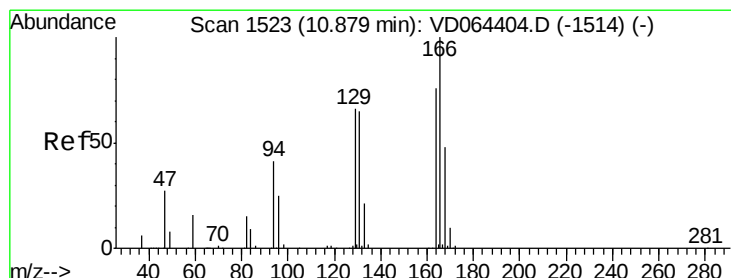
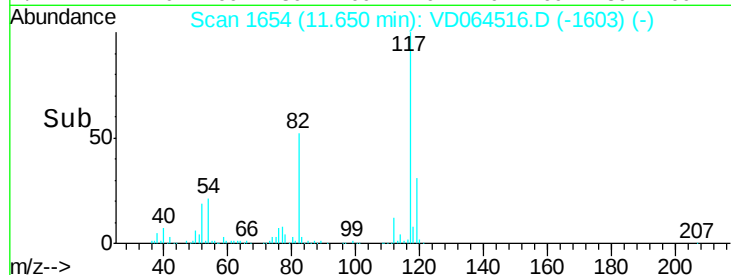
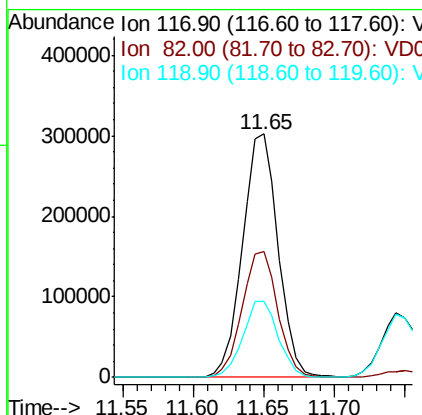
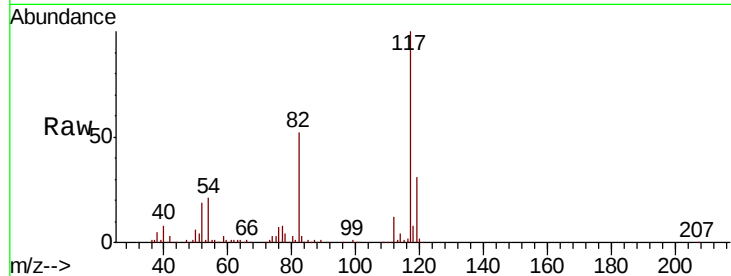




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

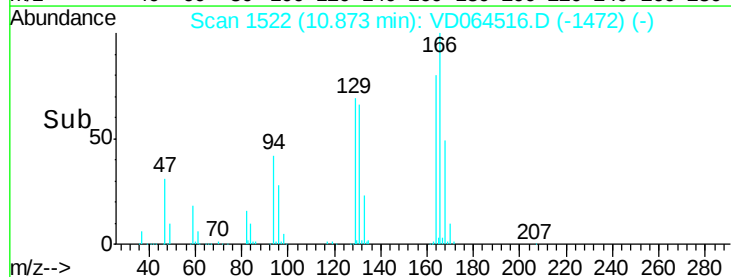
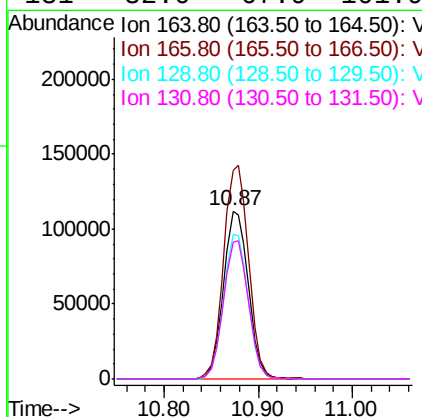
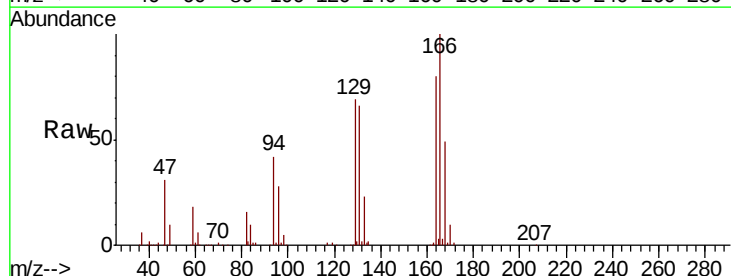
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

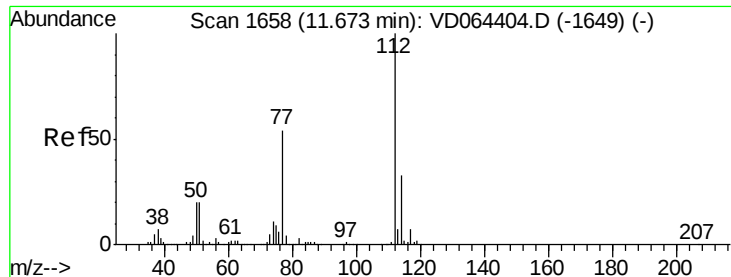
Tgt Ion:117 Resp: 533360
Ion Ratio Lower Upper
117 100
82 51.8 41.4 62.2
119 31.4 26.2 39.2



#64
Tetrachloroethene
Concen: 50.625 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion:164 Resp: 205908
Ion Ratio Lower Upper
164 100
166 124.7 104.8 157.2
129 85.9 68.7 103.1
131 82.0 67.9 101.9

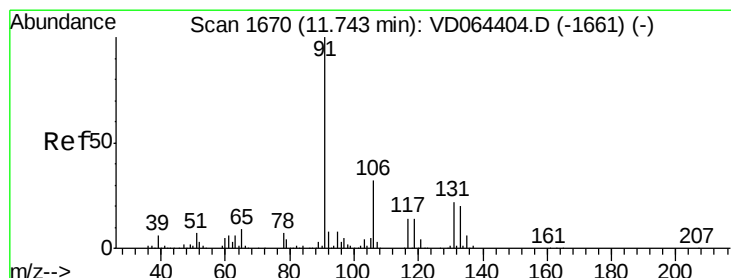
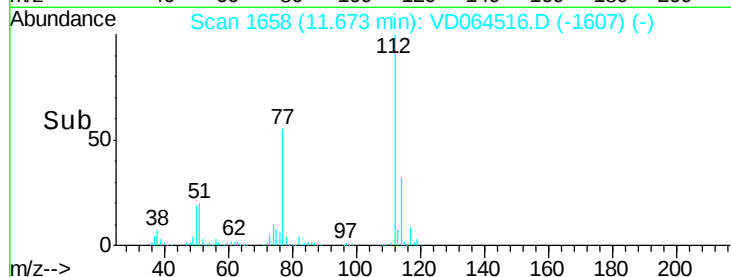
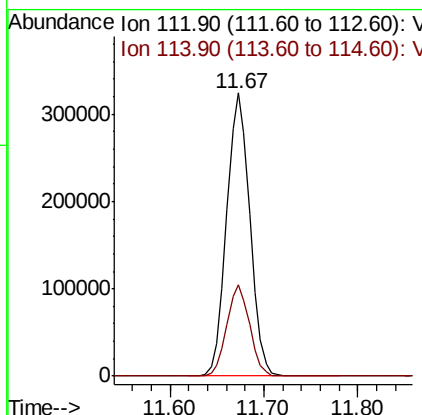
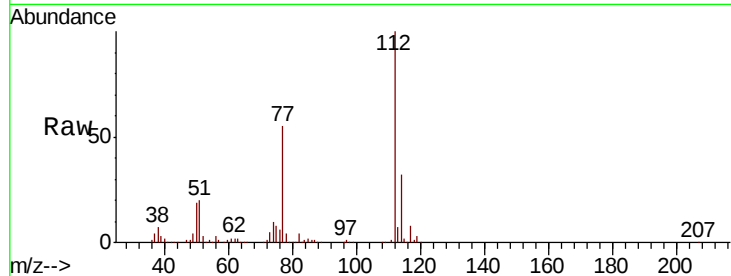




#65
Chlorobenzene
Concen: 50.037 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

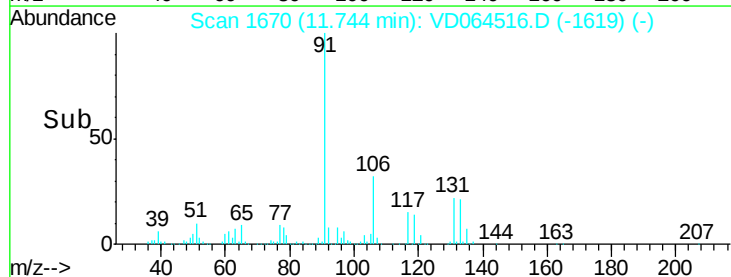
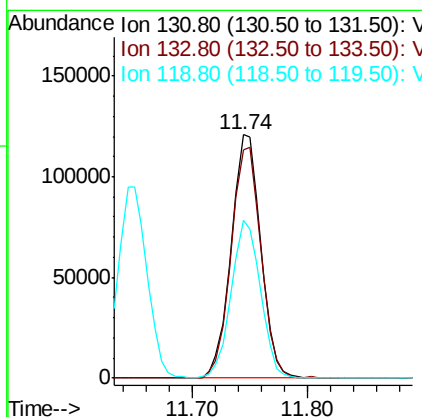
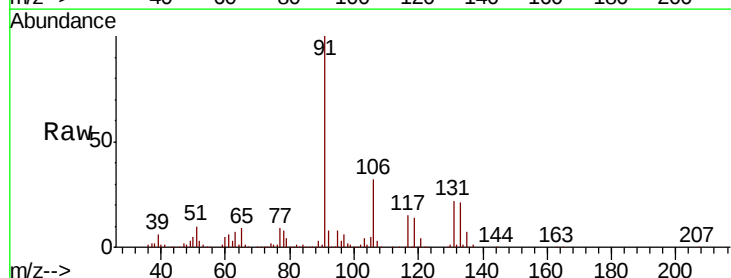
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

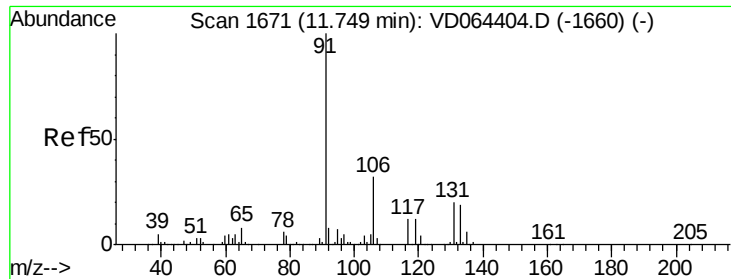
Tgt Ion:112 Resp: 556622
Ion Ratio Lower Upper
112 100
114 32.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.051 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion:131 Resp: 214347
Ion Ratio Lower Upper
131 100
133 96.1 48.3 144.9
119 64.3 31.9 95.9





#67

Ethyl Benzene

Concen: 48.872 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

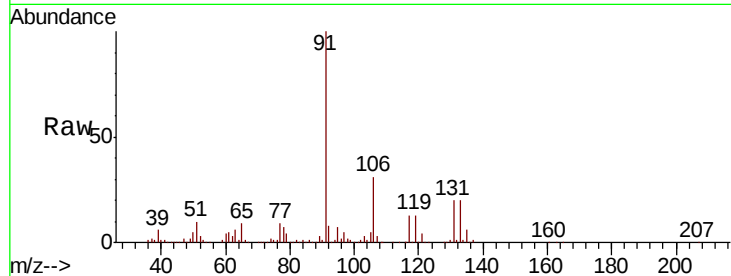
VSTDCCC050EC

Tgt Ion: 91 Resp: 967289

Ion Ratio Lower Upper

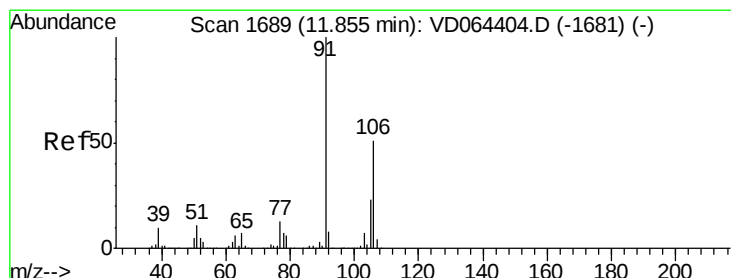
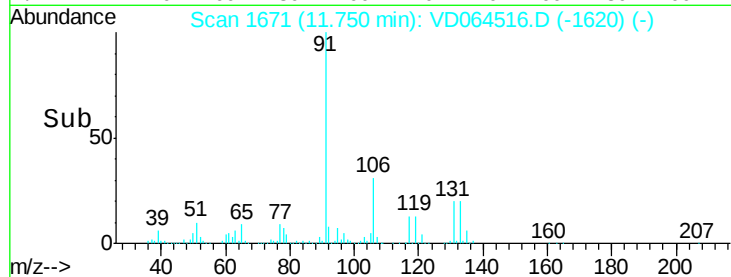
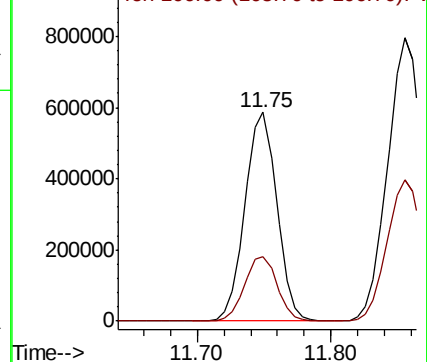
91 100

106 31.0 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 99.742 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064516.D

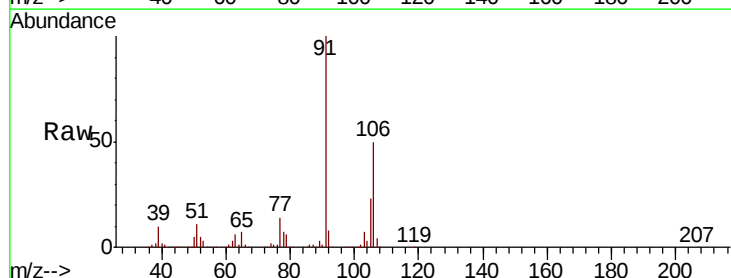
Acq: 13 Dec 2019 19:42

Tgt Ion: 106 Resp: 752715

Ion Ratio Lower Upper

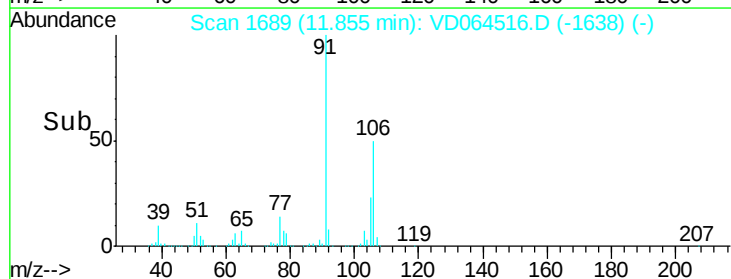
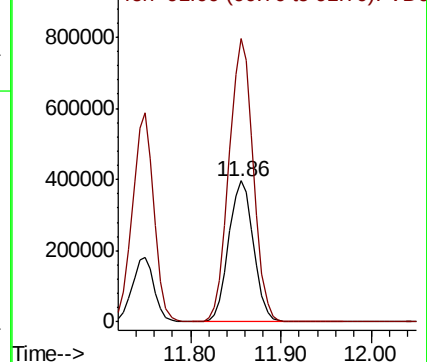
106 100

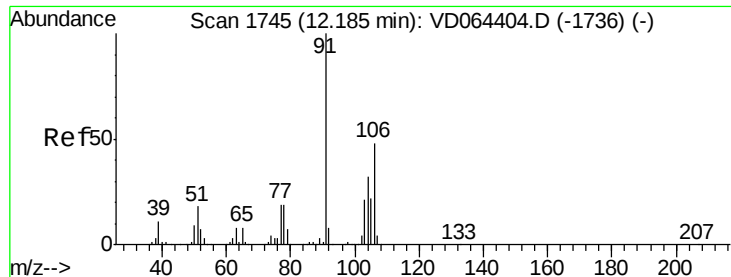
91 196.9 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

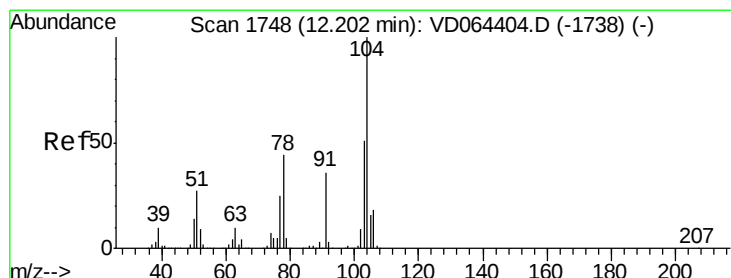
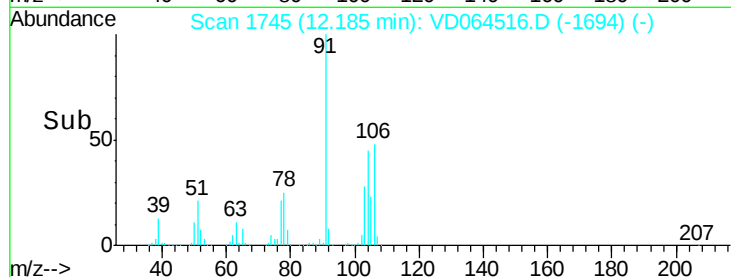
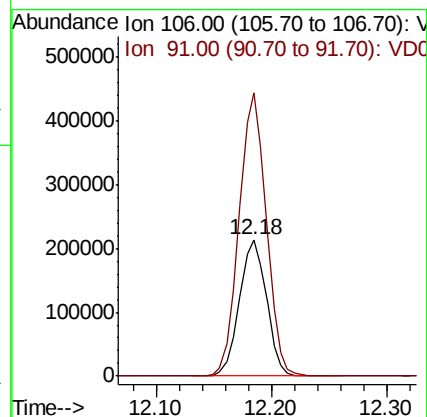
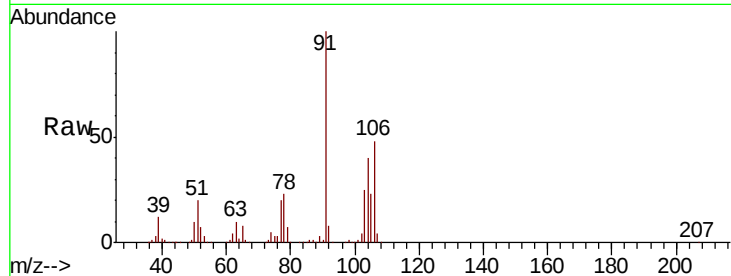




#69
o-Xylene
Concen: 49.619 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

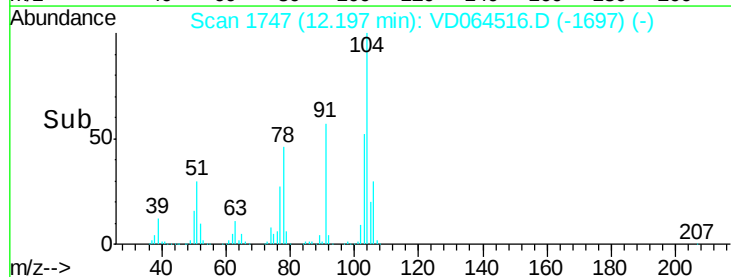
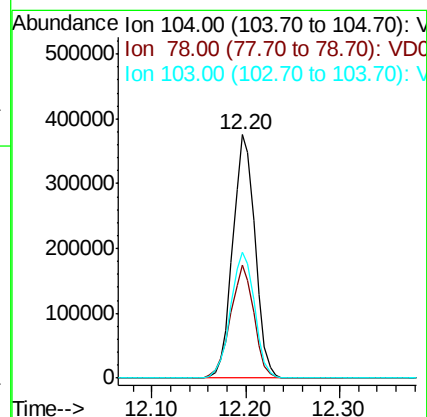
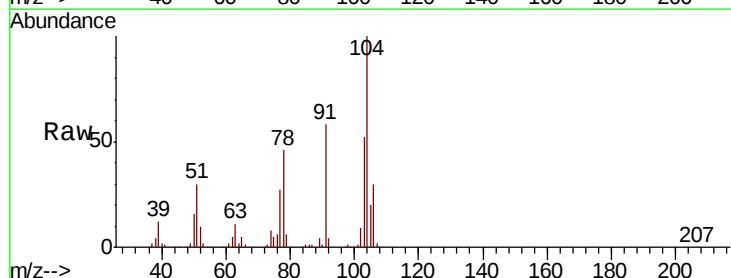
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

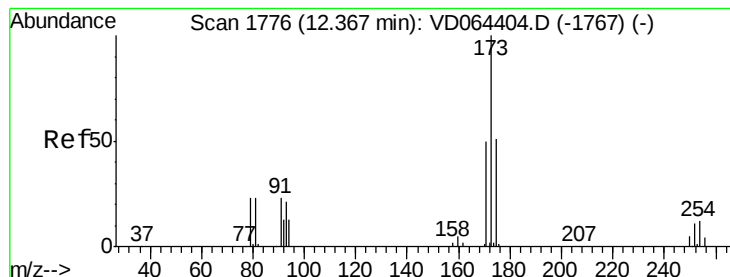
Tgt Ion:106 Resp: 345835
Ion Ratio Lower Upper
106 100
91 209.5 103.8 311.4



#70
Styrene
Concen: 51.177 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion:104 Resp: 619842
Ion Ratio Lower Upper
104 100
78 48.6 38.8 58.2
103 55.4 44.2 66.4





#71

Bromoform

Concen: 52.190 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

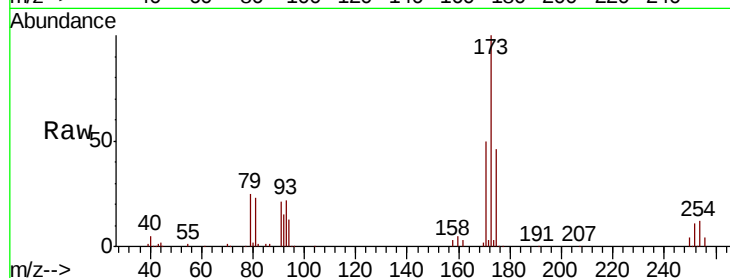
Tgt Ion:173 Resp: 128582

Ion Ratio Lower Upper

173 100

175 49.9 25.3 75.8

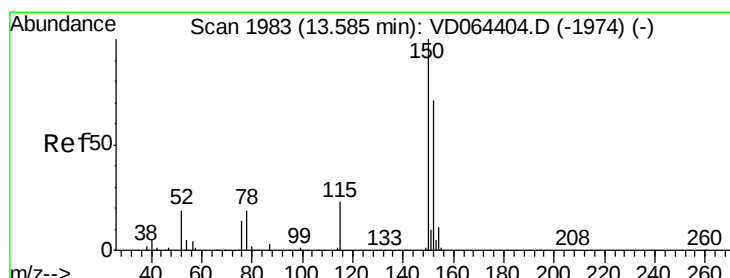
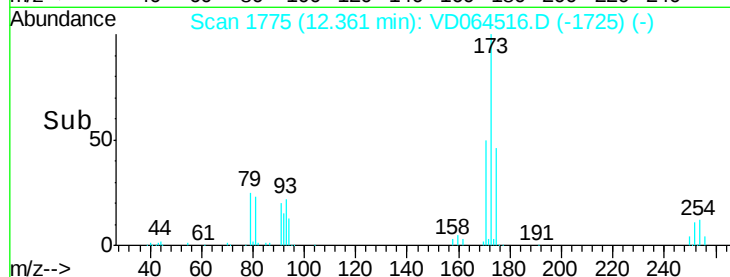
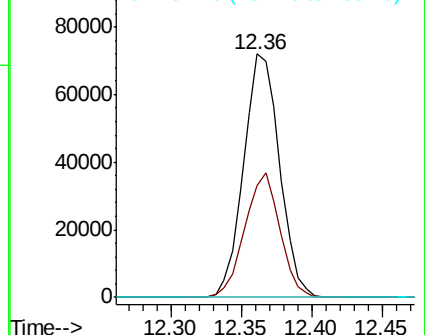
254 0.1 0.0 0.0#



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: VD064516.D

Acq: 13 Dec 2019 19:42

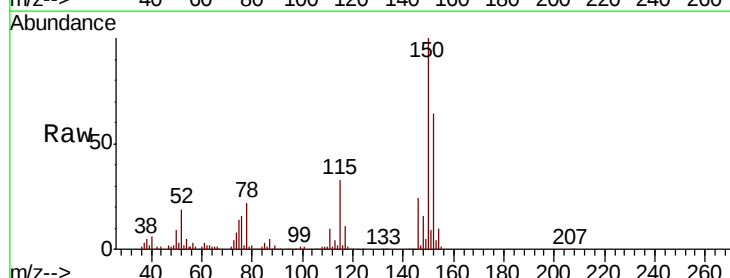
Tgt Ion:152 Resp: 268522

Ion Ratio Lower Upper

152 100

115 53.8 26.7 80.1

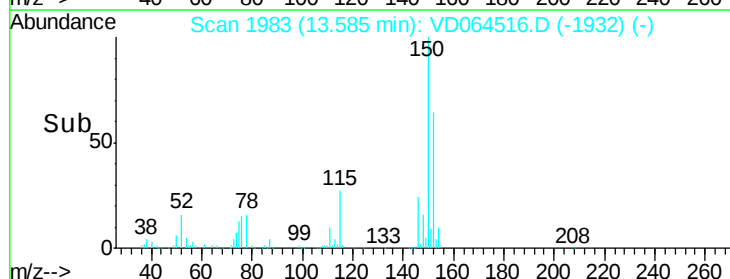
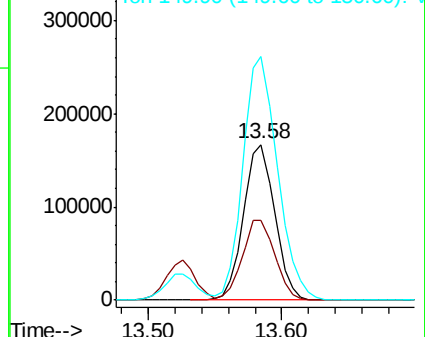
150 173.8 0.0 347.2

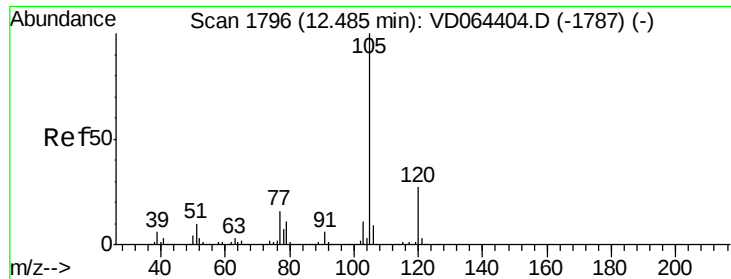


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.118 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

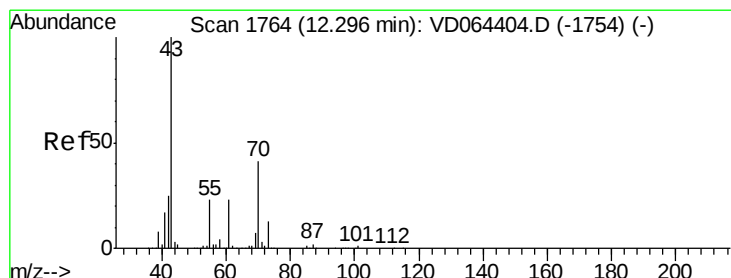
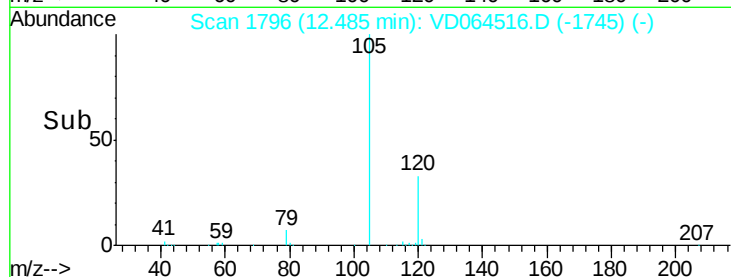
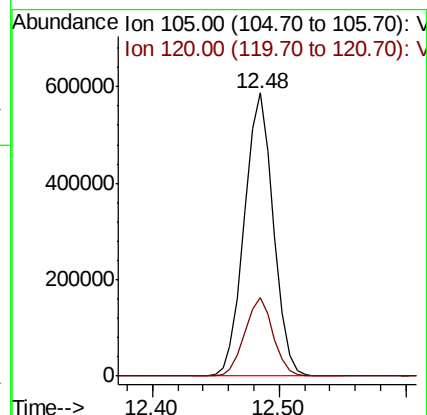
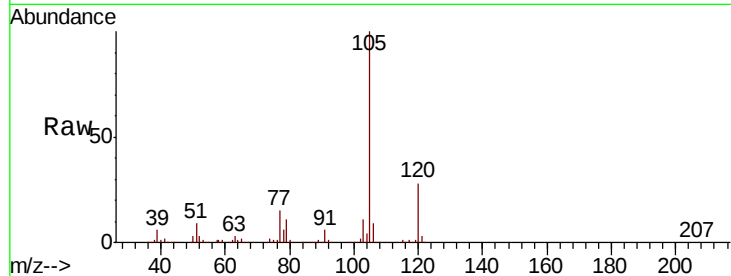
VSTDCCC050EC

Tgt Ion:105 Resp: 929275

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



#74

N-ethyl acetate

Concen: 52.349 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Tgt Ion: 43 Resp: 229454

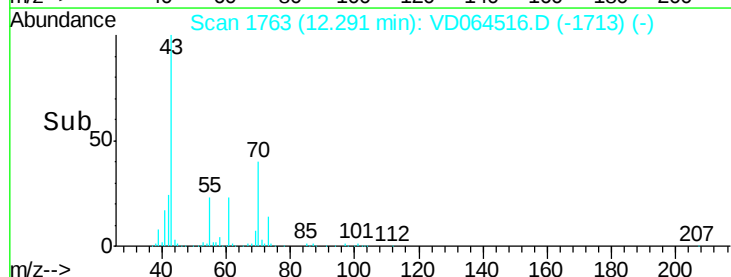
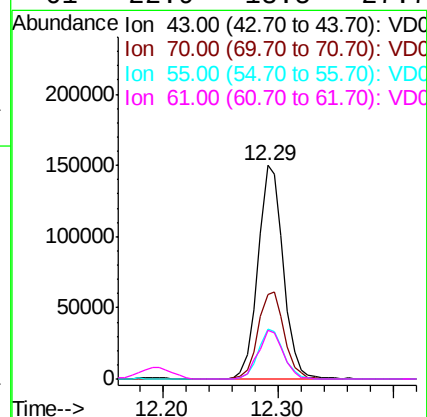
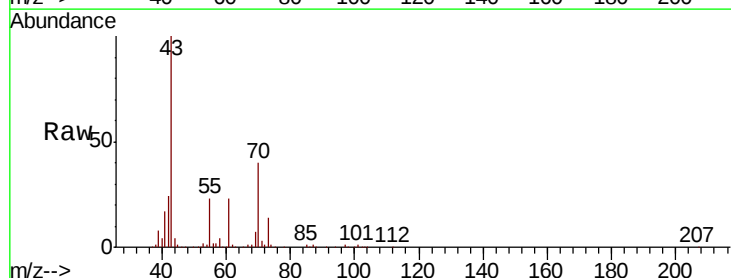
Ion Ratio Lower Upper

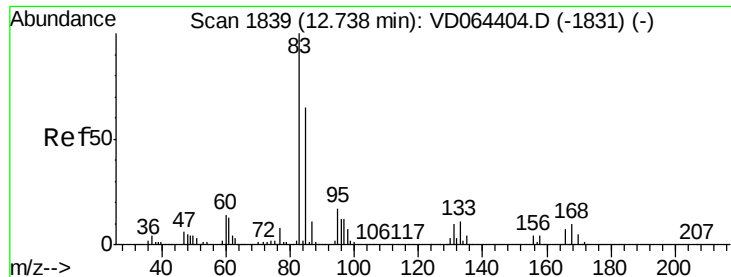
43 100

70 42.3 33.4 50.2

55 23.4 18.9 28.3

61 22.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.566 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

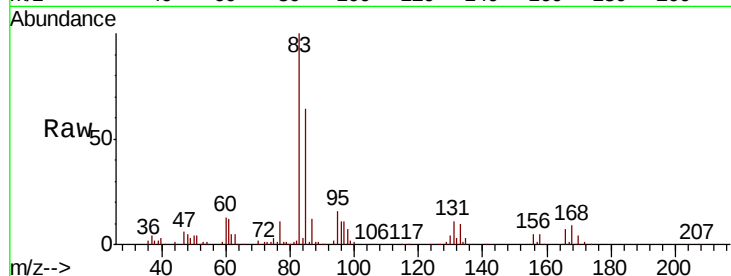
Tgt Ion: 83 Resp: 161491

Ion Ratio Lower Upper

83 100

131 11.4 5.7 17.0

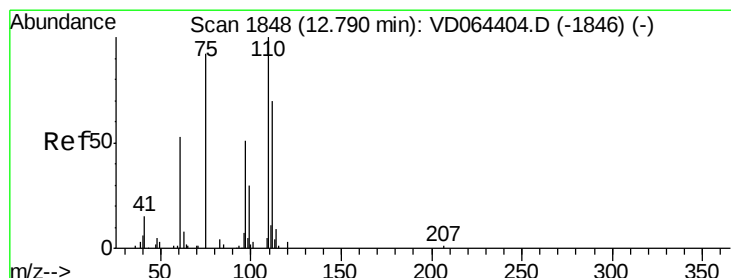
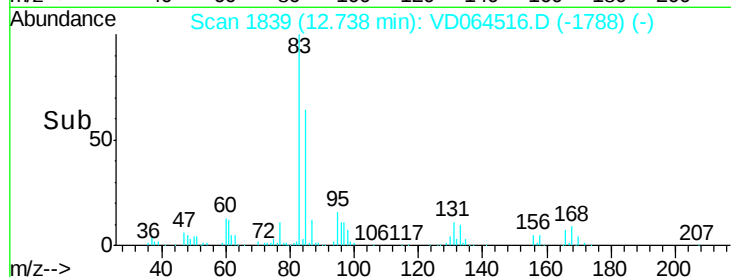
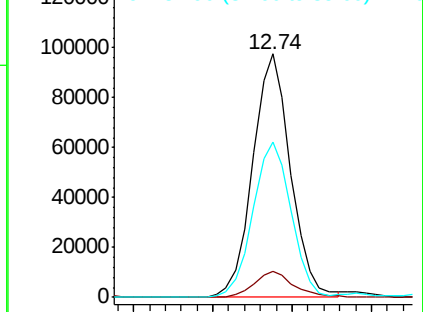
85 64.7 31.3 93.9



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: 95.749 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064516.D

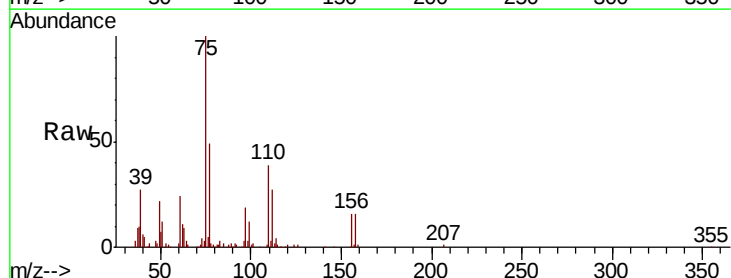
Acq: 13 Dec 2019 19:42

Tgt Ion: 75 Resp: 211437

Ion Ratio Lower Upper

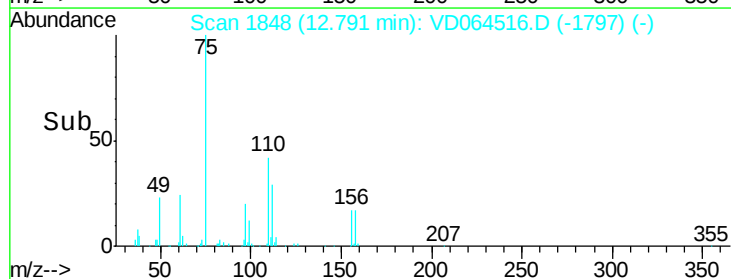
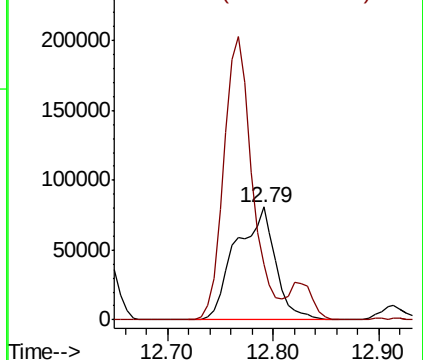
75 100

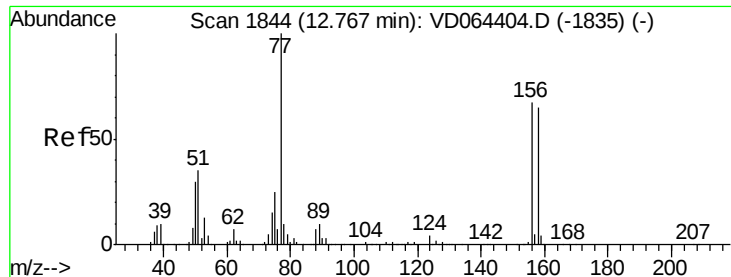
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.182 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

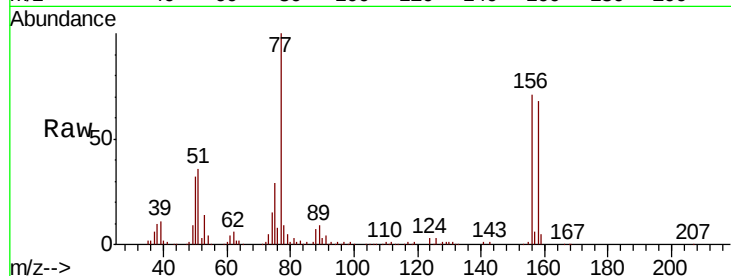
Tgt Ion:156 Resp: 239326

Ion Ratio Lower Upper

156 100

77 159.3 80.0 240.2

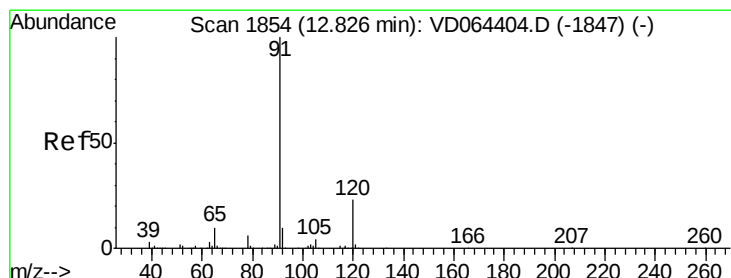
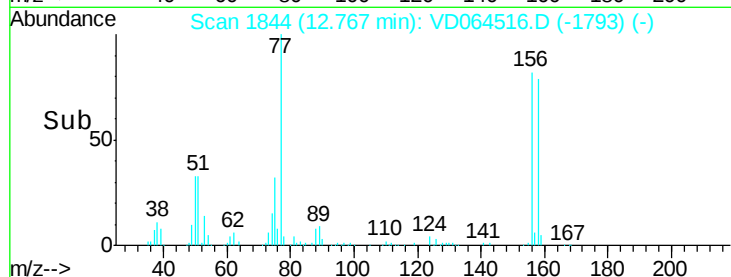
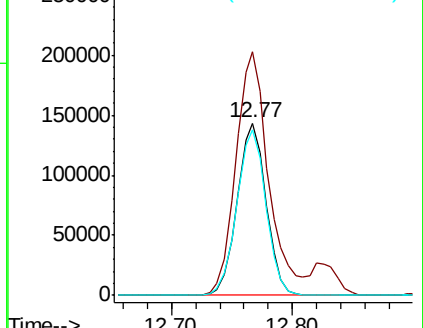
158 96.6 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.496 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064516.D

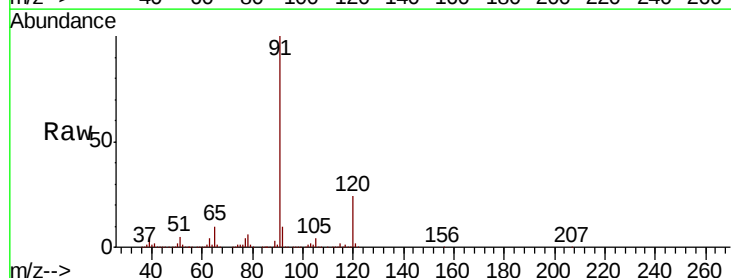
Acq: 13 Dec 2019 19:42

Tgt Ion: 91 Resp: 1080616

Ion Ratio Lower Upper

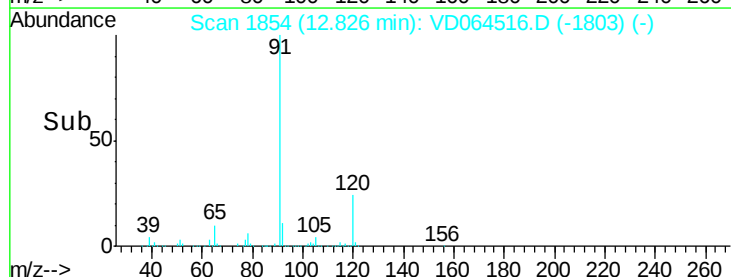
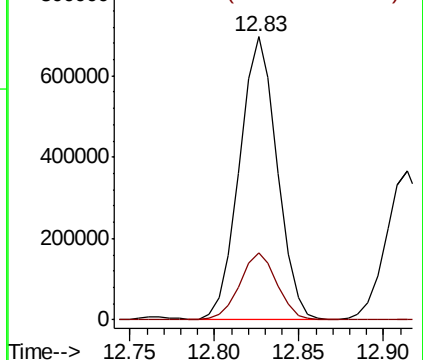
91 100

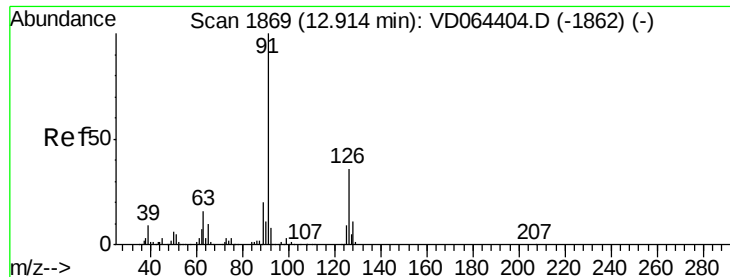
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

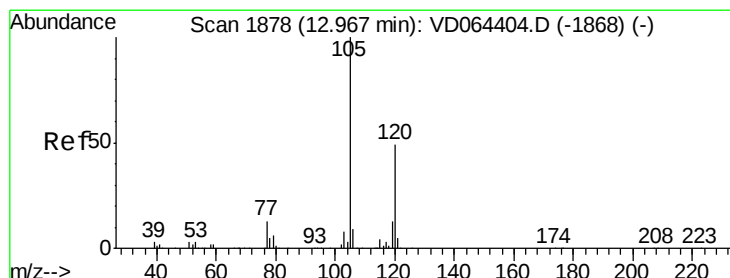
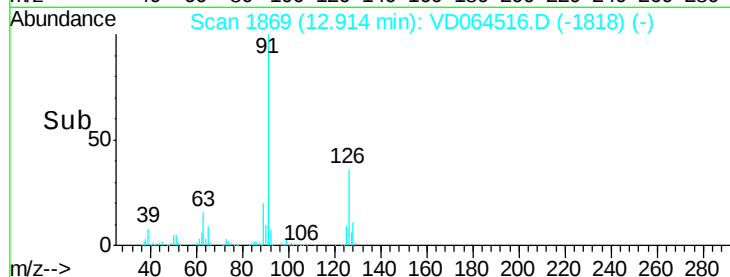
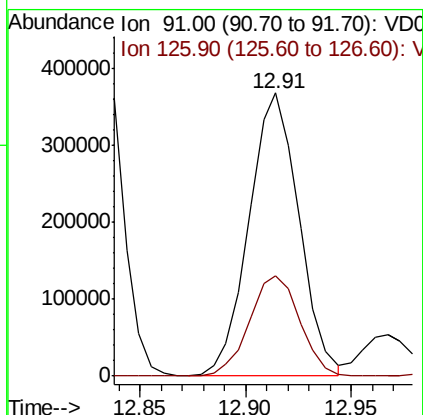
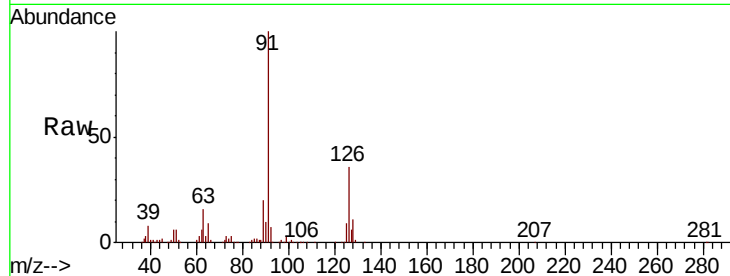




#79
 2-Chlorotoluene
 Concen: 49.268 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

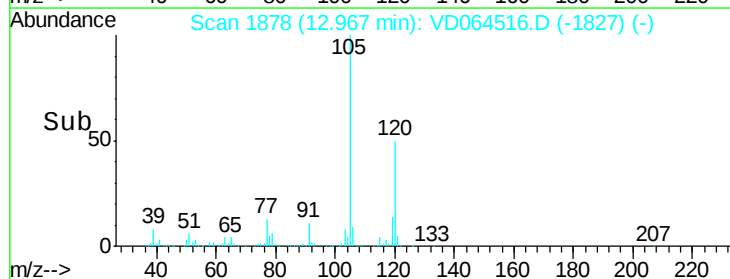
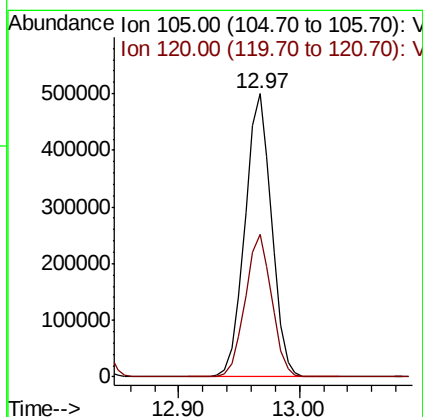
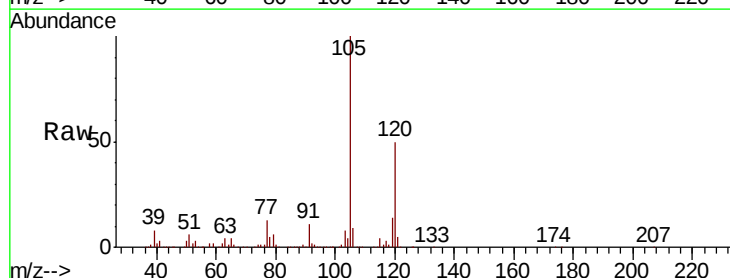
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

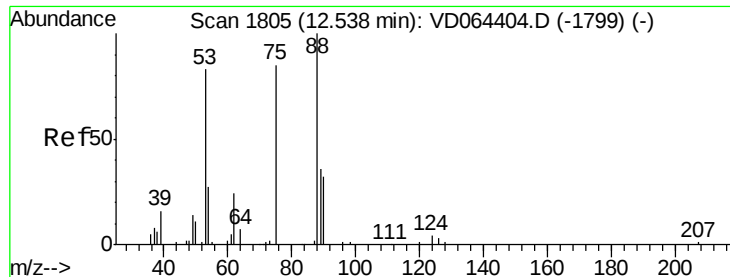
Tgt Ion: 91 Resp: 604081
 Ion Ratio Lower Upper
 91 100
 126 35.9 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 48.818 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion: 105 Resp: 770446
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 52.702 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

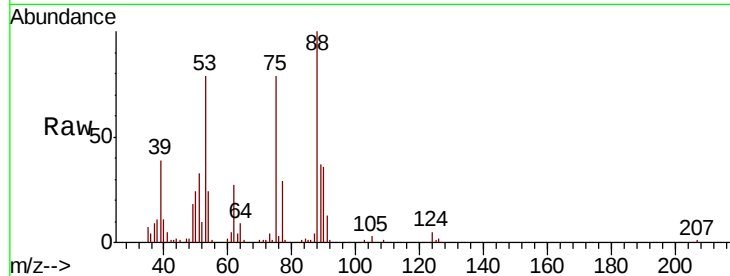
Tgt Ion: 75 Resp: 53372

Ion Ratio Lower Upper

75 100

53 98.4 81.0 121.6

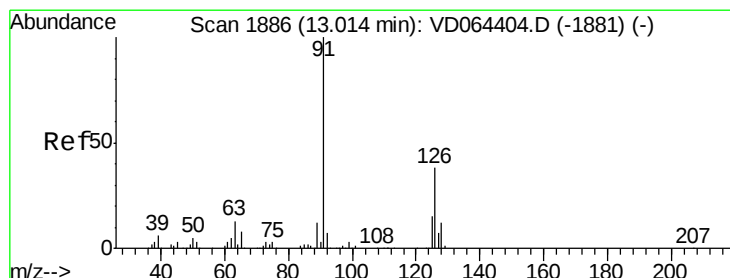
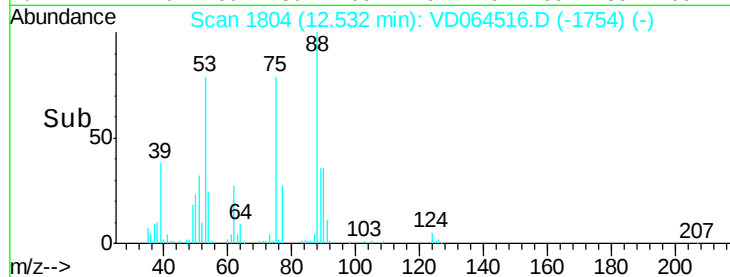
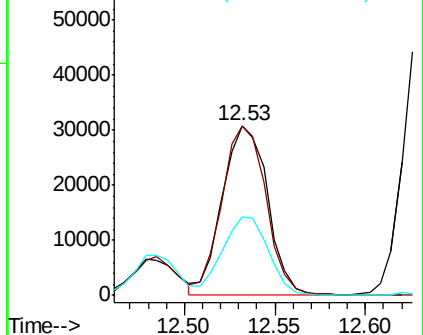
89 46.3 38.5 57.7



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: 49.240 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064516.D

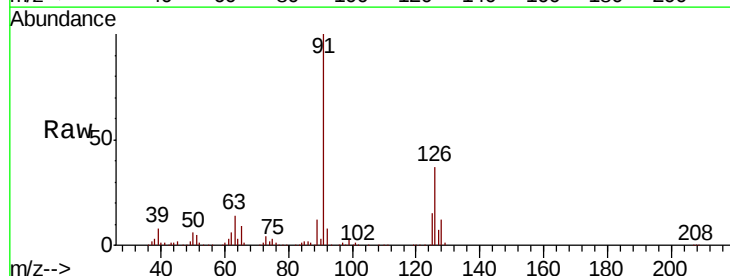
Acq: 13 Dec 2019 19:42

Tgt Ion: 91 Resp: 639227

Ion Ratio Lower Upper

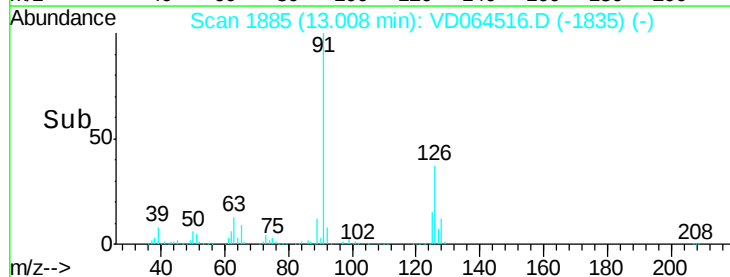
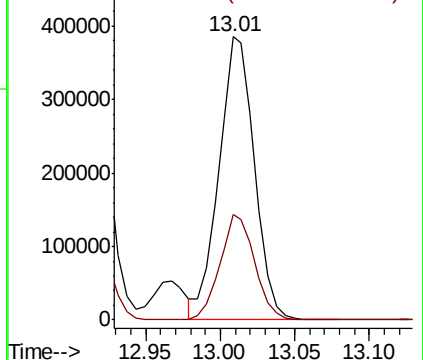
91 100

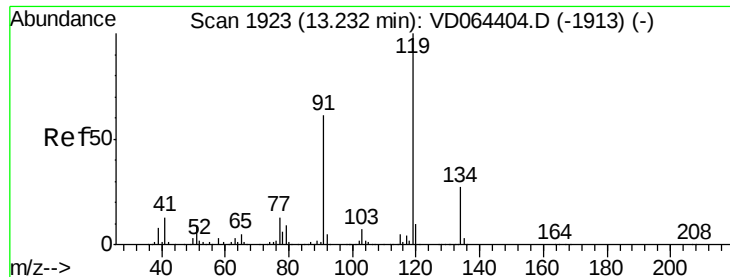
126 36.1 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

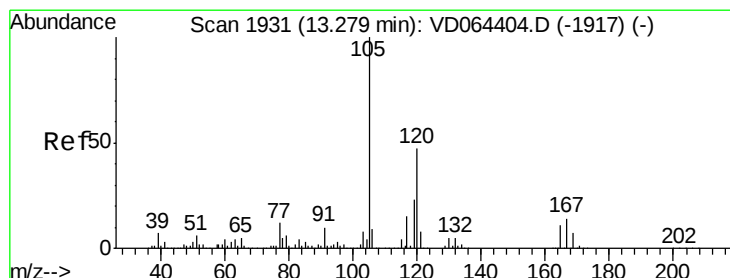
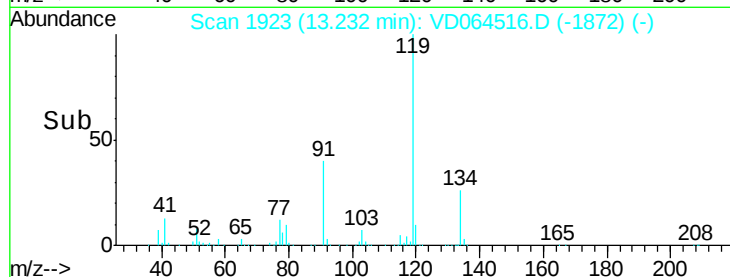
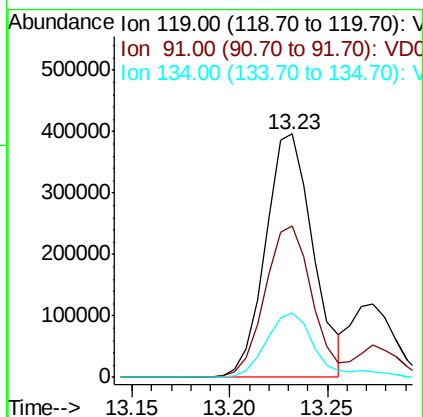
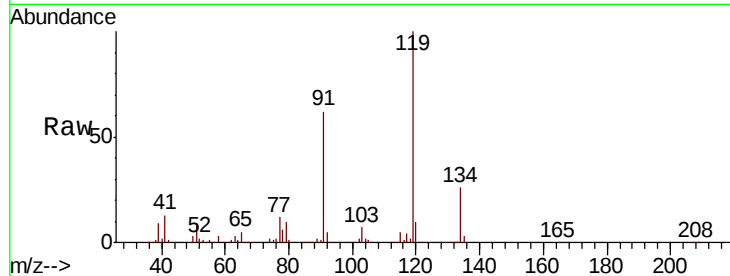




#83
 tert-Butylbenzene
 Concen: 48.784 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

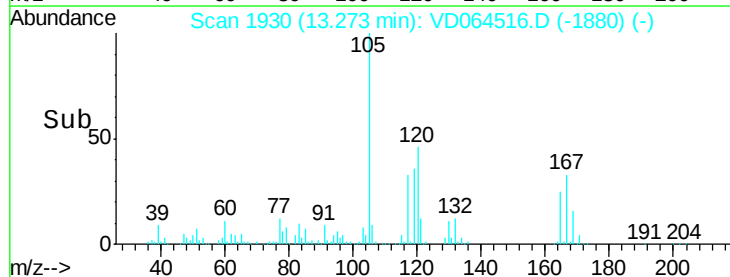
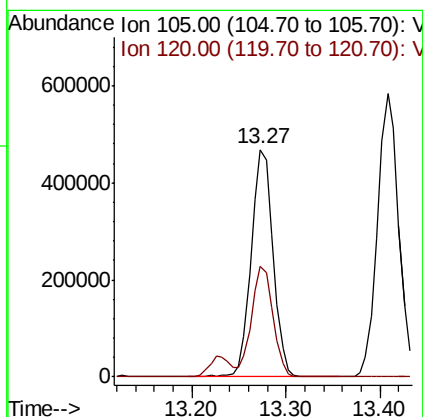
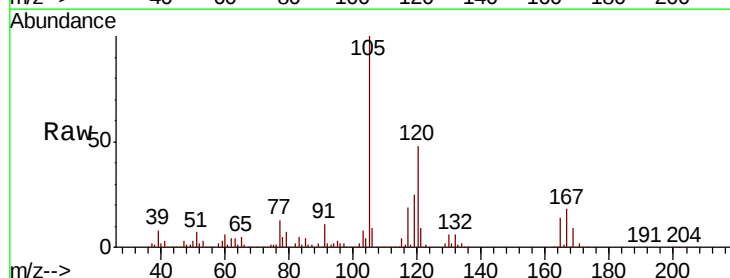
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

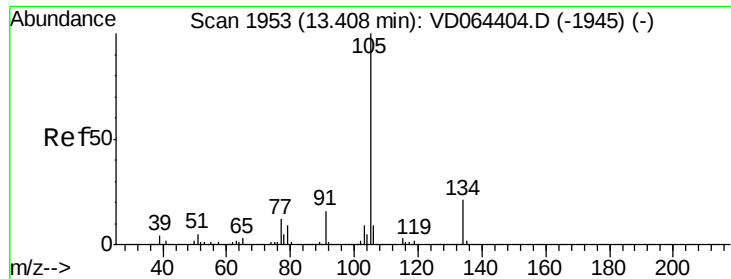
Tgt Ion:119 Resp: 669336
 Ion Ratio Lower Upper
 119 100
 91 61.5 31.2 93.6
 134 27.7 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 47.630 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion:105 Resp: 755847
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.6 70.8

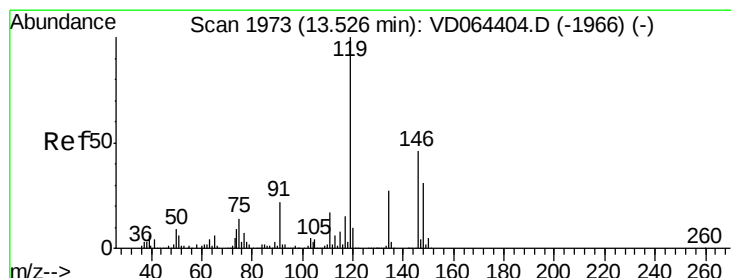
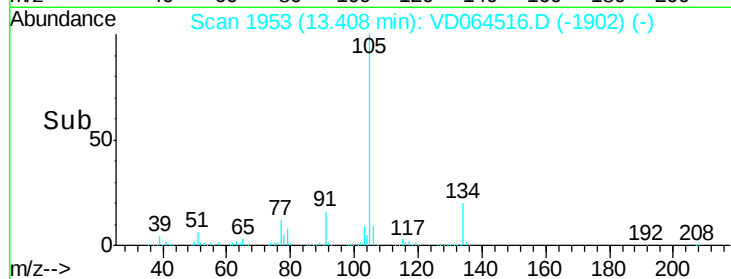
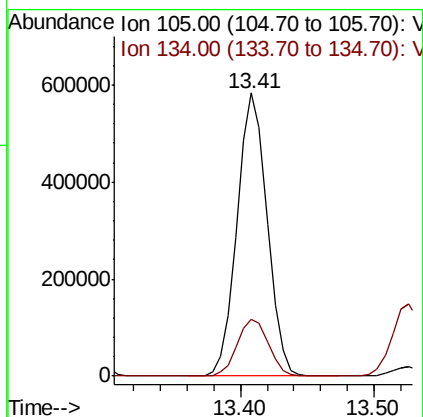
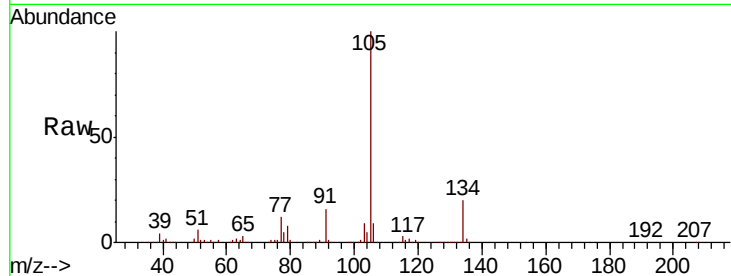




#85
 sec-Butylbenzene
 Concen: 48.215 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

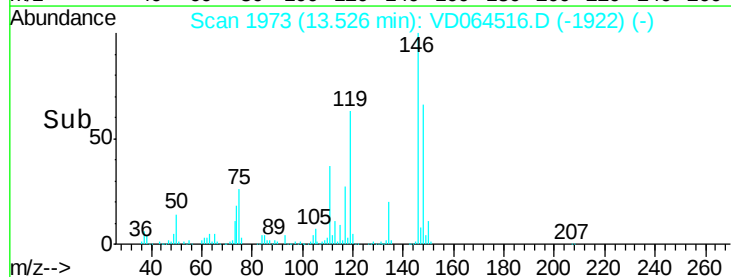
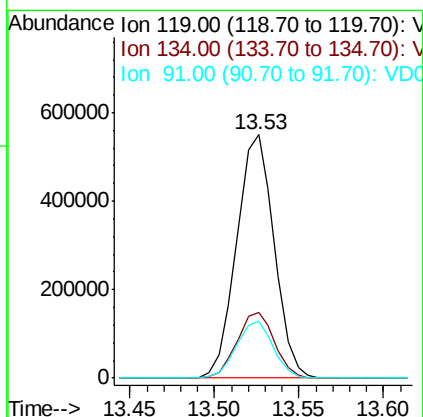
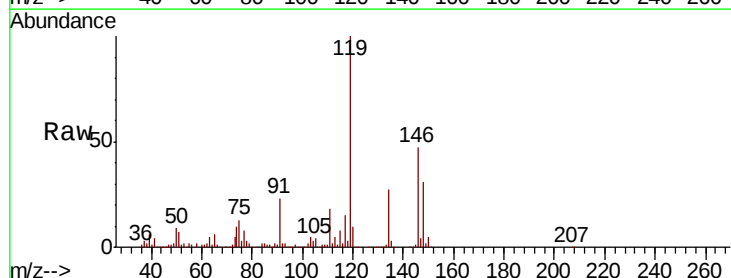
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

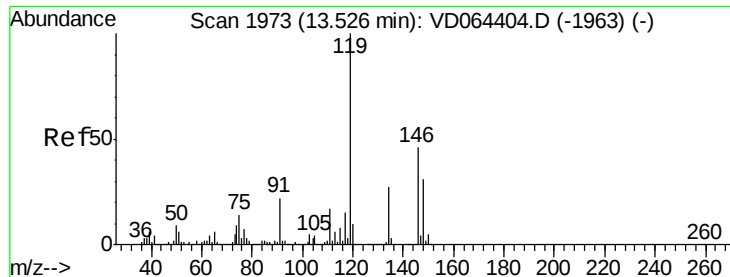
Tgt Ion:105 Resp: 907945
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 47.824 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion:119 Resp: 850234
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.4
 91 22.9 11.2 33.5

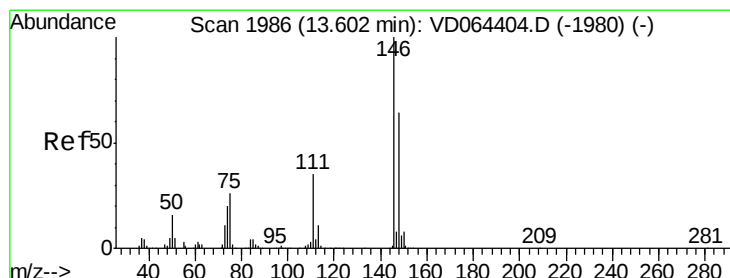
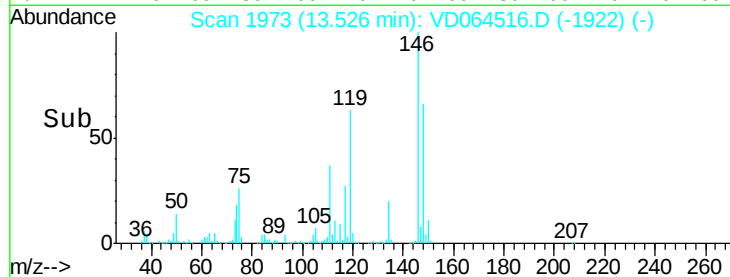
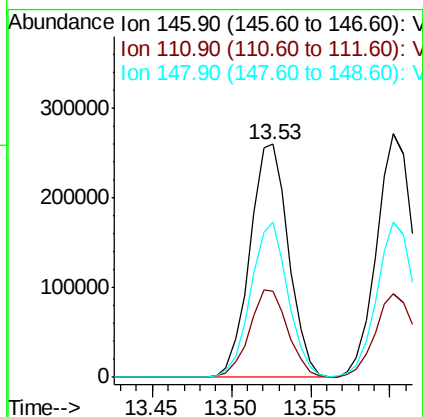
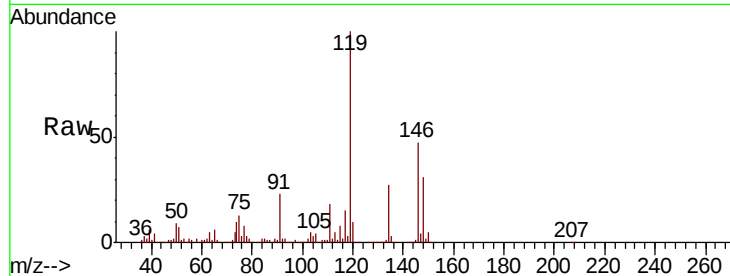




#87
 1,3-Dichlorobenzene
 Concen: 48.819 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

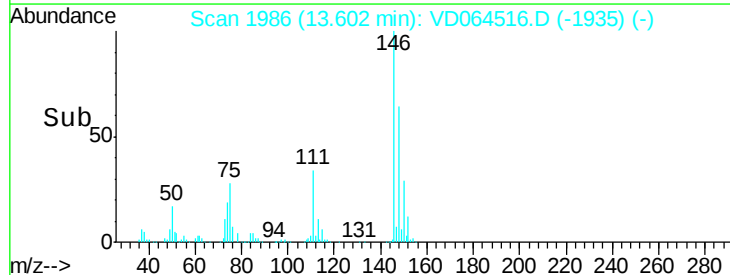
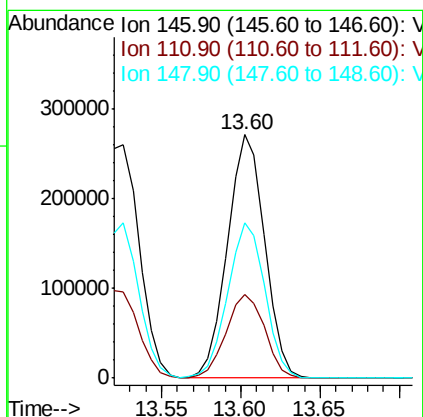
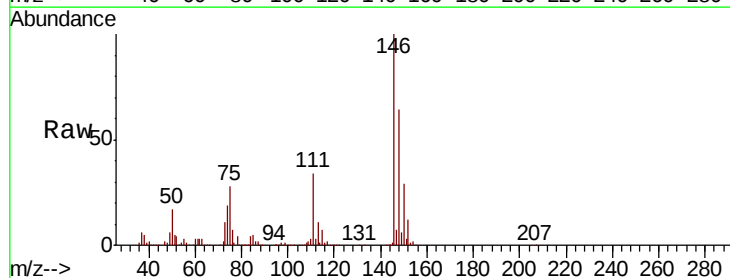
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

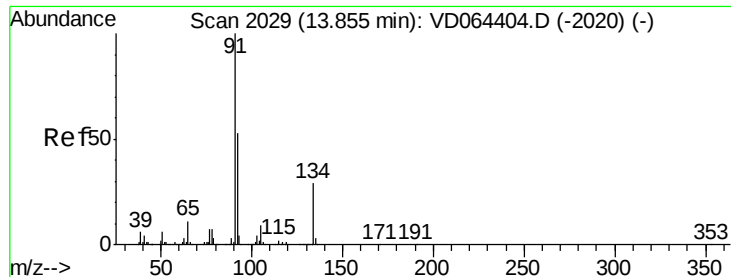
Tgt Ion:146 Resp: 441896
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.4
 148 63.6 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 49.339 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion:146 Resp: 440922
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.2 54.6
 148 64.0 31.8 95.4





#89

n-Butylbenzene

Concen: 48.150 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

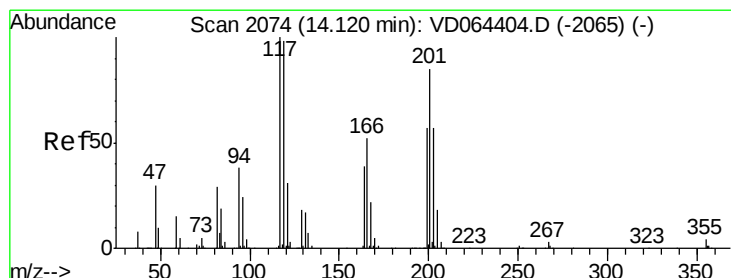
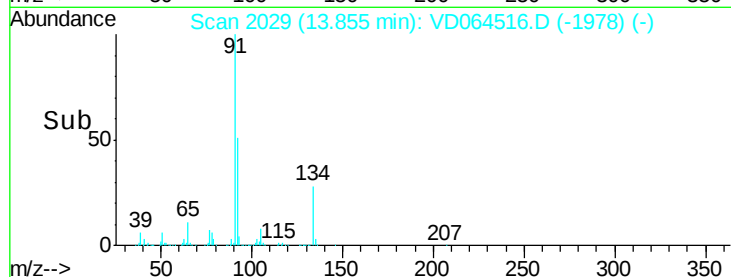
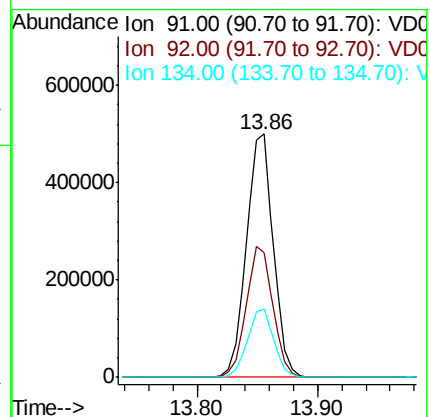
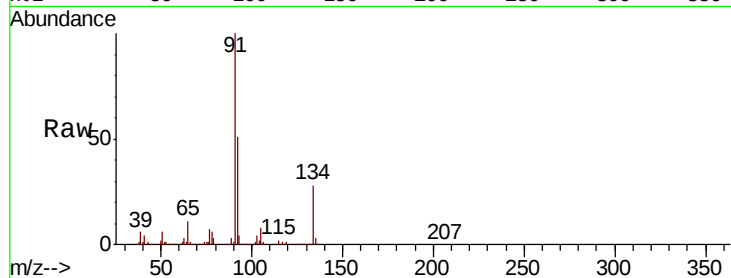
Tgt Ion: 91 Resp: 777372

Ion Ratio Lower Upper

91 100

92 53.4 26.5 79.4

134 27.7 13.9 41.7



#90

Hexachloroethane

Concen: 50.487 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064516.D

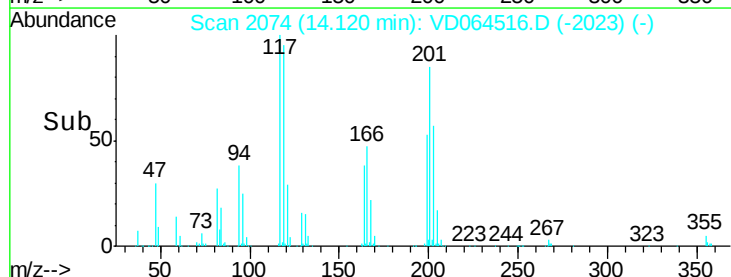
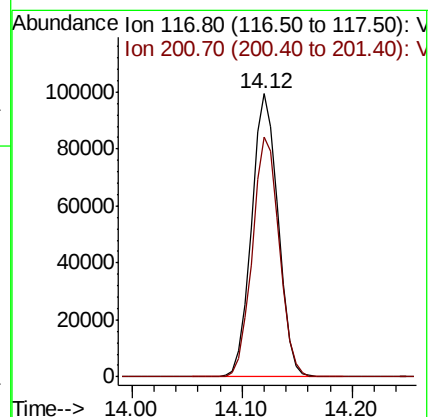
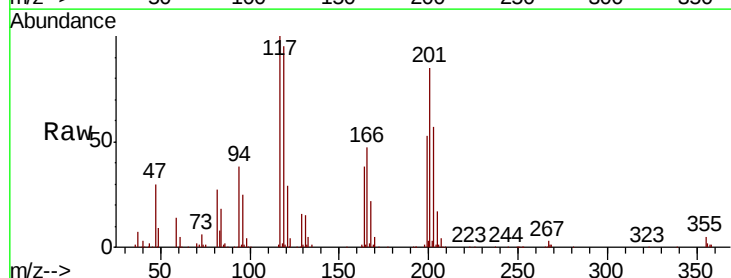
Acq: 13 Dec 2019 19:42

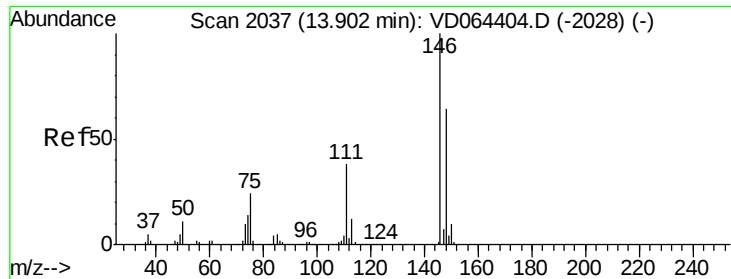
Tgt Ion: 117 Resp: 167881

Ion Ratio Lower Upper

117 100

201 85.7 44.3 132.8





#91

1,2-Dichlorobenzene

Concen: 50.346 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

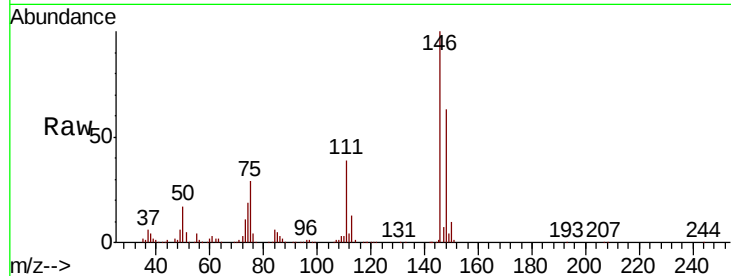
Tgt Ion:146 Resp: 389461

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.3

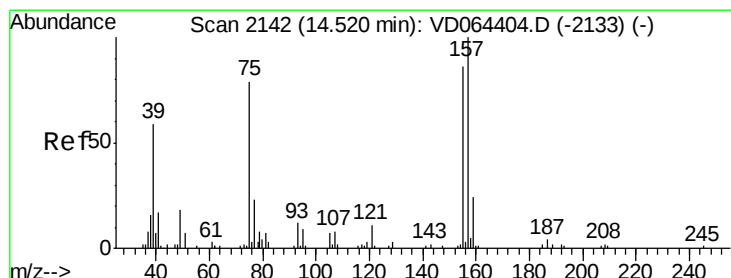
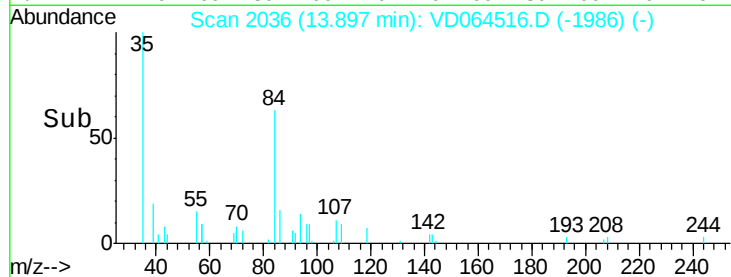
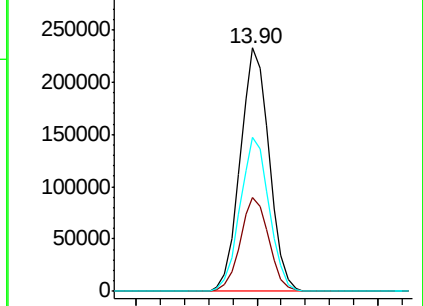
148 63.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.179 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

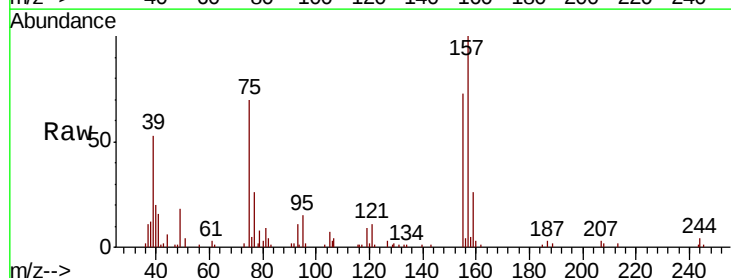
Tgt Ion: 75 Resp: 26550

Ion Ratio Lower Upper

75 100

155 98.4 51.9 155.7

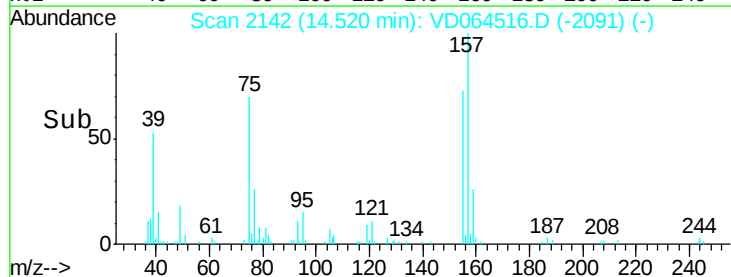
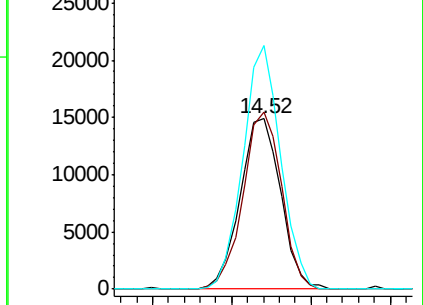
157 132.5 63.2 189.8

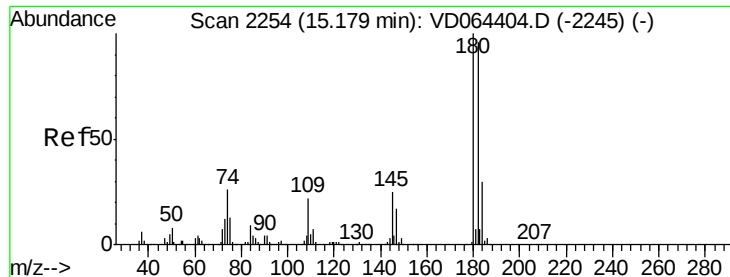


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

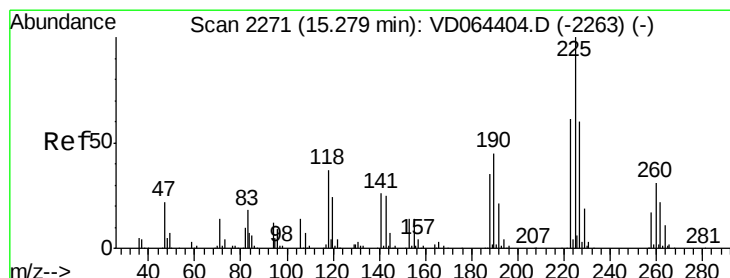
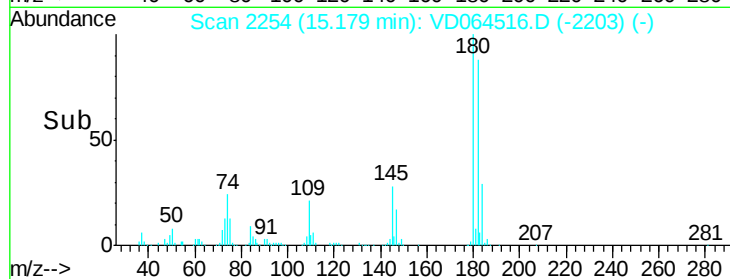
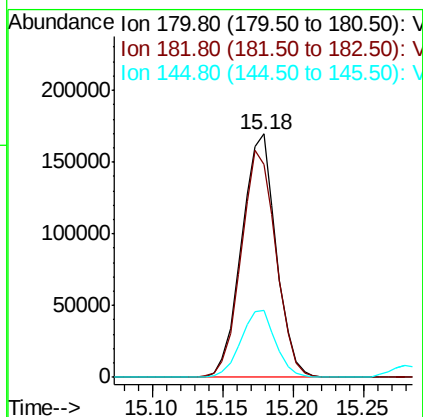
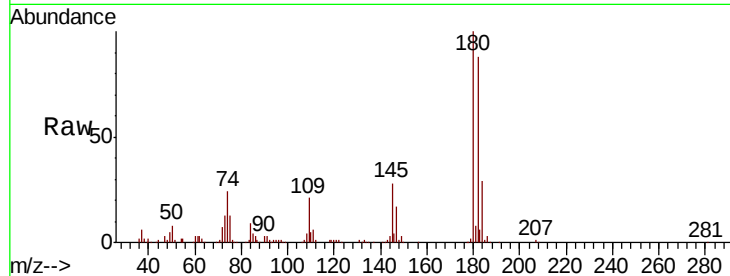




#93
 1,2,4-Trichlorobenzene
 Concen: 48.955 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

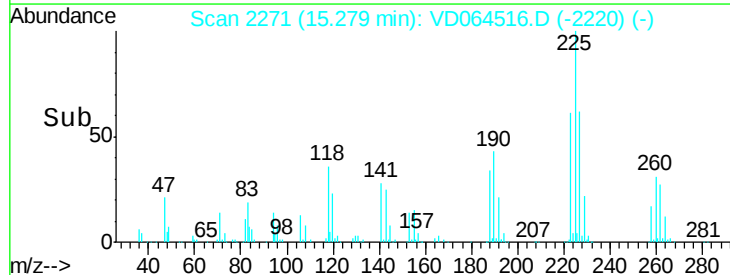
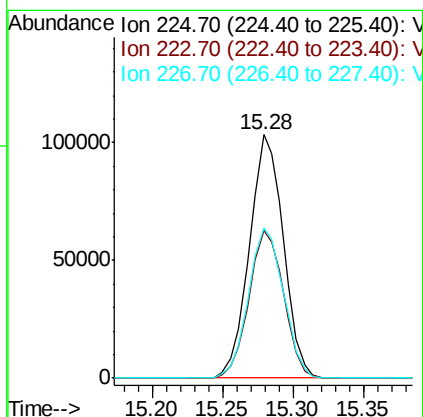
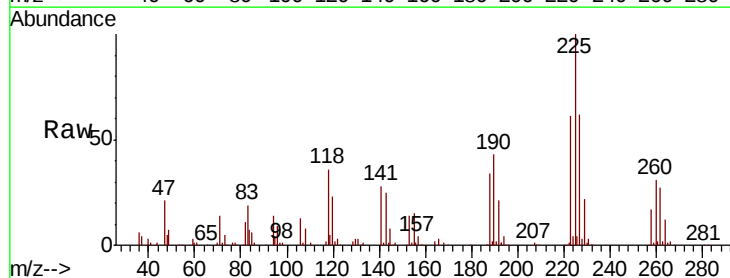
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

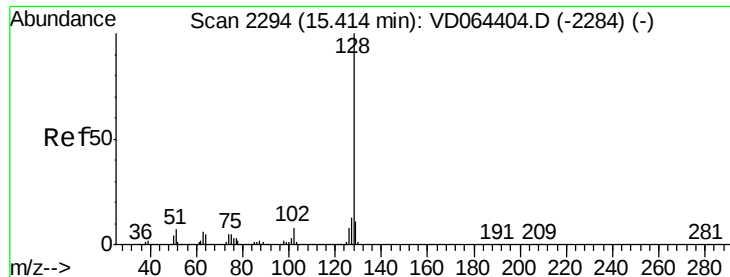
Tgt Ion:180 Resp: 290026
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.4 142.3
 145 27.8 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 47.802 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion:225 Resp: 174830
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.3
 227 63.6 31.8 95.4

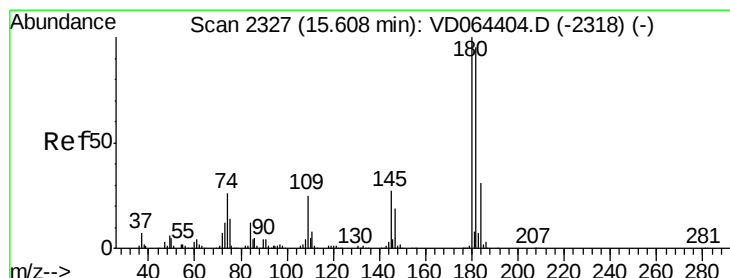
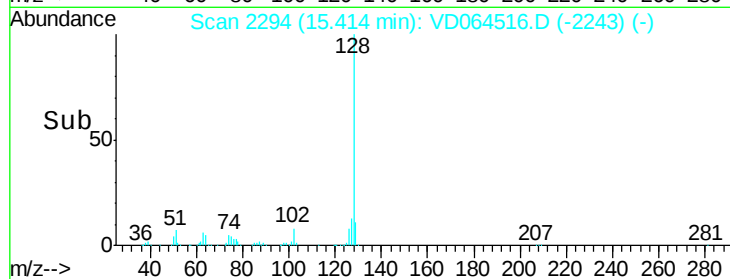
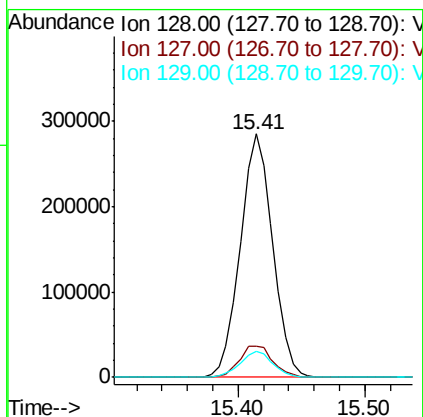
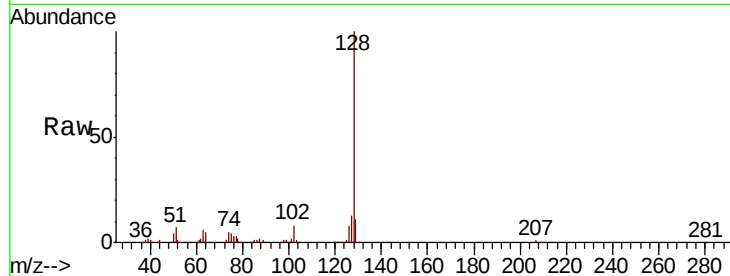




#95
Naphthalene
Concen: 50.919 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 503446
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.434 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion:180 Resp: 255051
Ion Ratio Lower Upper
180 100
182 94.5 47.6 142.9
145 29.5 14.6 43.8

