

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011320\
 Data File : VD064844.D
 Acq On : 13 Jan 2020 12:42
 Operator : VA/SY
 Sample : VD0113SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Quant Time: Jan 14 11:32:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	374665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	559486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	495048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	238959	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	202283	61.23	ug/l	0.00
Spiked Amount						
			Recovery	=	122.46%	
35) Dibromofluoromethane	7.92	113	200051	58.28	ug/l	0.00
Spiked Amount						
			Recovery	=	116.56%	
50) Toluene-d8	10.34	98	745226	56.69	ug/l	0.00
Spiked Amount						
			Recovery	=	113.38%	
62) 4-Bromofluorobenzene	12.64	95	233949	56.28	ug/l	0.00
Spiked Amount						
			Recovery	=	112.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	64393	22.115	ug/l	94
3) Chloromethane	2.21	50	97922	24.047	ug/l	98
4) Vinyl Chloride	2.35	62	115586	23.280	ug/l	98
5) Bromomethane	2.76	94	77246	21.397	ug/l	100
6) Chloroethane	2.91	64	77968	23.436	ug/l	97
7) Trichlorofluoromethane	3.27	101	187334	22.408	ug/l	100
8) Diethyl Ether	3.71	74	39570	23.835	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84434	24.387	ug/l	96
10) Methyl Iodide	4.29	142	82278	22.124	ug/l	99
11) Tert butyl alcohol	5.26	59	23381	123.487	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	80119	24.306	ug/l	97
13) Acrolein	3.93	56	22970	87.049	ug/l	100
14) Allyl chloride	4.71	41	125103	24.343	ug/l	98
15) Acrylonitrile	5.43	53	86042	124.428	ug/l	98
16) Acetone	4.16	43	94820	130.804	ug/l	100
17) Carbon Disulfide	4.40	76	237088	22.244	ug/l	98
18) Methyl Acetate	4.72	43	45948	24.704	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	183001	24.995	ug/l	98
20) Methylene Chloride	4.96	84	100517	27.555	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	87054	23.190	ug/l	95
22) Diisopropyl ether	6.37	45	251824	24.567	ug/l	98
23) Vinyl Acetate	6.31	43	705809	121.381	ug/l	98
24) 1,1-Dichloroethane	6.26	63	152844	24.837	ug/l	95
25) 2-Butanone	7.22	43	119719	131.831	ug/l	95
26) 2,2-Dichloropropane	7.21	77	145459	25.423	ug/l	98
27) cis-1,2-Dichloroethene	7.22	96	98680	24.357	ug/l	98
28) Bromochloromethane	7.55	49	50713	21.200	ug/l	96
29) Tetrahydrofuran	7.57	42	69785	123.570	ug/l	97
30) Chloroform	7.71	83	162070	25.102	ug/l	97
31) Cyclohexane	7.98	56	142816	23.184	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	149032	24.575	ug/l	99
36) 1,1-Dichloropropene	8.11	75	125991	23.396	ug/l	99
37) Ethyl Acetate	7.30	43	48302	22.832	ug/l #	91
38) Carbon Tetrachloride	8.10	117	135425	23.585	ug/l	98

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 Sample : VD0113SBS01
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148579	22.780	ug/l	96
40) Benzene	8.36	78	343459	23.364	ug/l	100
41) Methacrylonitrile	7.53	41	32190	26.226	ug/l	97
42) 1,2-Dichloroethane	8.43	62	102042	24.021	ug/l	99
43) Isopropyl Acetate	8.46	43	97285	23.104	ug/l	98
44) Trichloroethene	9.11	130	99703	23.087	ug/l	91
45) 1,2-Dichloropropane	9.39	63	83858	23.892	ug/l	98
46) Dibromomethane	9.48	93	46135	23.575	ug/l	99
47) Bromodichloromethane	9.67	83	124140	23.840	ug/l	95
48) Methyl methacrylate	9.46	41	45979	23.191	ug/l	90
49) 1,4-Dioxane	9.47	88	10669	472.820	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	252080	121.117	ug/l	98
52) Toluene	10.41	92	223505	23.174	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	114618	23.609	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	135706	23.706	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	63216	23.970	ug/l	96
56) Ethyl methacrylate	10.67	69	73046	22.178	ug/l	97
57) 1,3-Dichloropropane	10.95	76	107854	23.752	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	159529	127.131	ug/l	98
59) 2-Hexanone	10.99	43	174029	123.196	ug/l	98
60) Dibromochloromethane	11.14	129	84736	23.234	ug/l	99
61) 1,2-Dibromoethane	11.25	107	59774	22.979	ug/l	100
64) Tetrachloroethene	10.88	164	92343	24.314	ug/l	99
65) Chlorobenzene	11.67	112	240122	23.370	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	91088	23.516	ug/l	99
67) Ethyl Benzene	11.75	91	425947	22.840	ug/l	98
68) m/p-Xylenes	11.86	106	325451	45.213	ug/l	98
69) o-Xylene	12.18	106	148536	22.846	ug/l	96
70) Styrene	12.20	104	258266	22.630	ug/l	99
71) Bromoform	12.37	173	53225	24.096	ug/l	94
73) Isopropylbenzene	12.48	105	403606	23.635	ug/l	98
74) N-amyl acetate	12.29	43	86930	23.814	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	66040	24.618	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	85978	45.564	ug/l #	100
77) Bromobenzene	12.77	156	96055	22.892	ug/l	95
78) n-propylbenzene	12.83	91	474605	23.823	ug/l	98
79) 2-Chlorotoluene	12.91	91	257699	23.547	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	328091	23.389	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22092	24.486	ug/l	94
82) 4-Chlorotoluene	13.01	91	273978	23.525	ug/l	99
83) tert-Butylbenzene	13.23	119	278124	22.836	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	328332	23.502	ug/l	96
85) sec-Butylbenzene	13.41	105	392525	23.508	ug/l	99
86) p-Isopropyltoluene	13.52	119	363850	22.789	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	185347	23.172	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	184106	23.429	ug/l	99
89) n-Butylbenzene	13.85	91	337984	23.507	ug/l	98
90) Hexachloroethane	14.12	117	71857	23.561	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	156916	23.006	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11266	25.906	ug/l	91

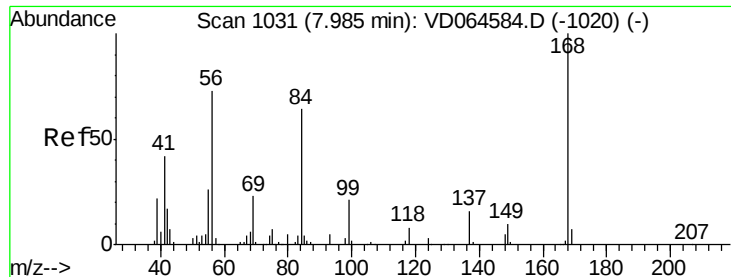
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011320\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	112688	22.438	ug/l	97
94) Hexachlorobutadiene	15.28	225	69404	21.961	ug/l	98
95) Naphthalene	15.41	128	178291	22.440	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	96001	22.391	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

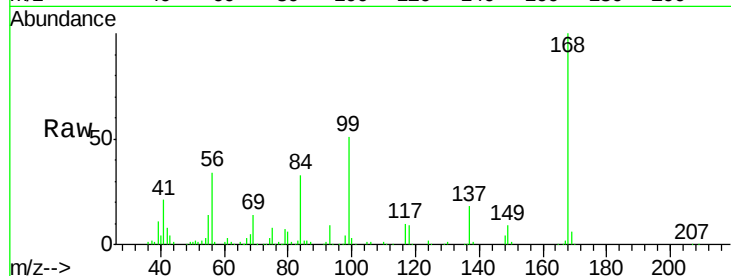
VD0113SBS01

Tgt Ion:168 Resp: 374665

Ion Ratio Lower Upper

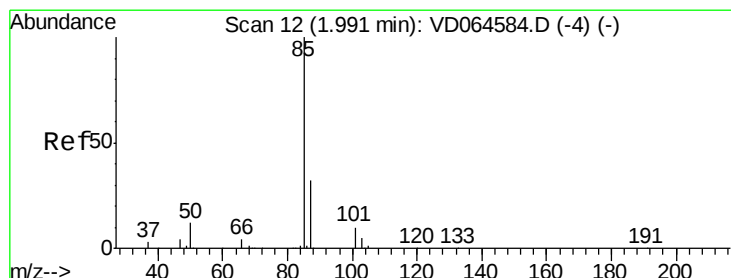
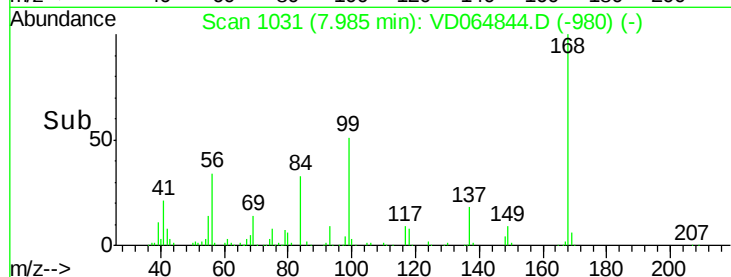
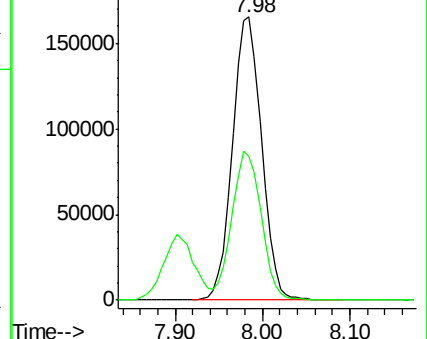
168 100

99 50.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.115 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064844.D

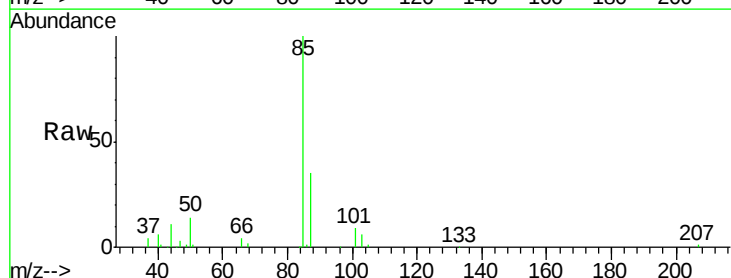
Acq: 13 Jan 2020 12:42

Tgt Ion: 85 Resp: 64393

Ion Ratio Lower Upper

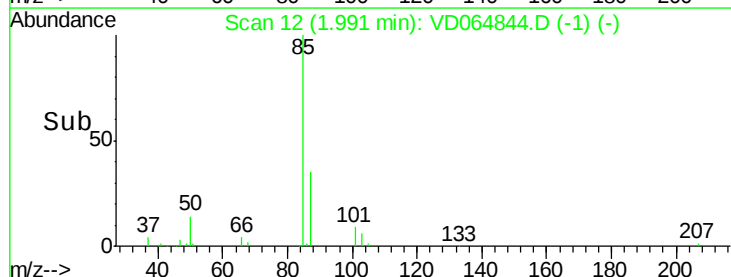
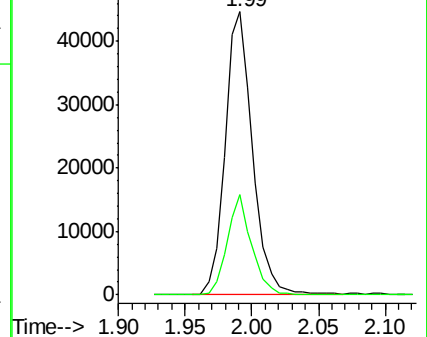
85 100

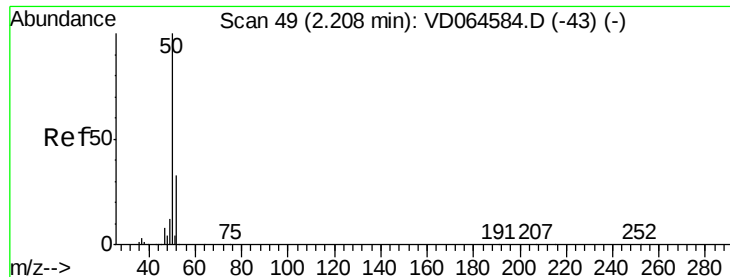
87 35.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.047 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

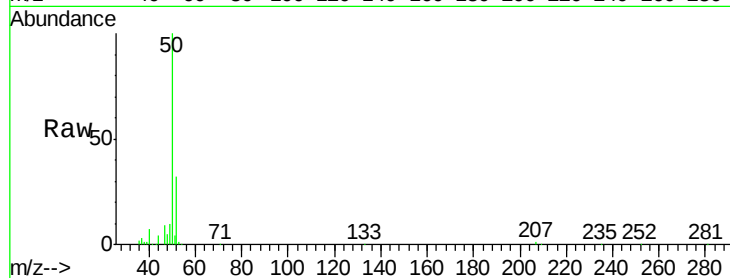
VD0113SBS01

Tgt Ion: 50 Resp: 97922

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

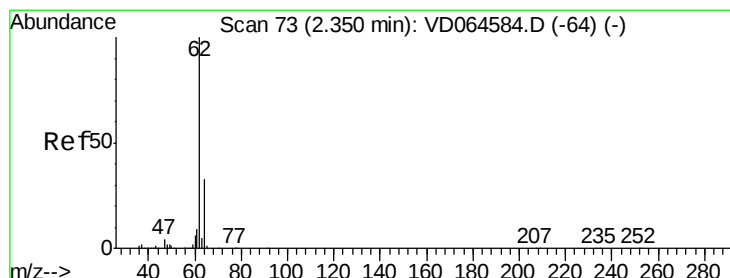
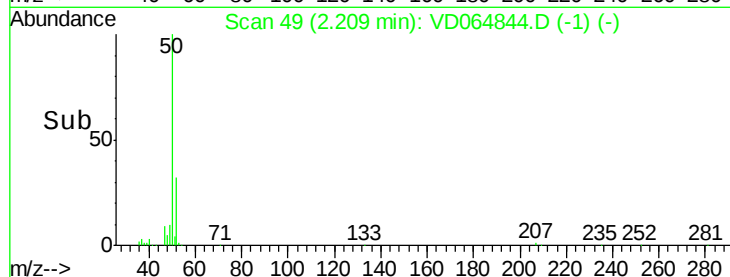
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 23.280 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064844.D

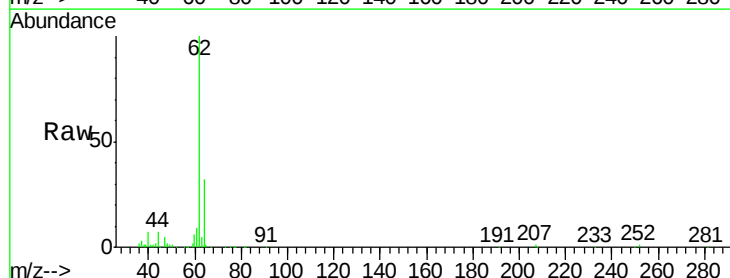
Acq: 13 Jan 2020 12:42

Tgt Ion: 62 Resp: 115586

Ion Ratio Lower Upper

62 100

64 32.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

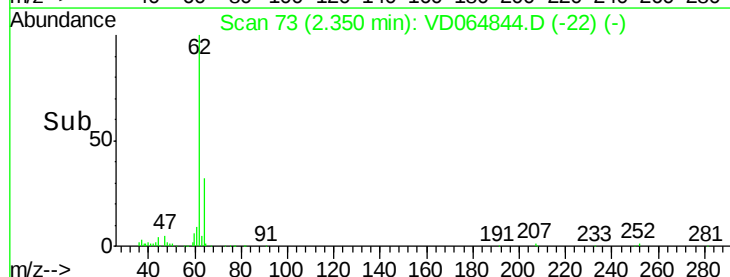
60000

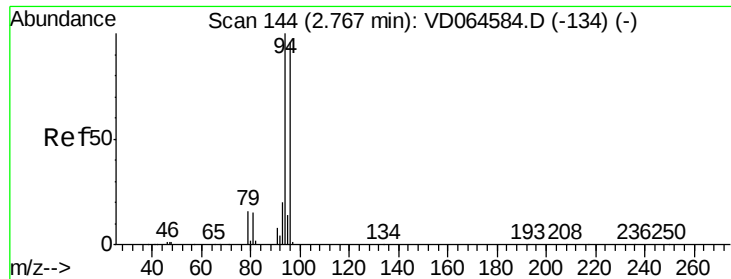
40000

20000

0

Time-->





#5

Bromomethane

Concen: 21.397 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

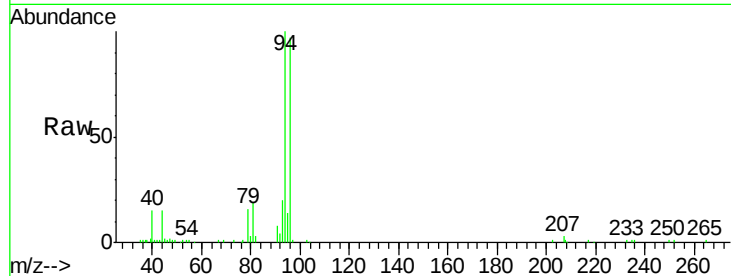
VD0113SBS01

Tgt Ion: 94 Resp: 77246

Ion Ratio Lower Upper

94 100

96 97.0 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

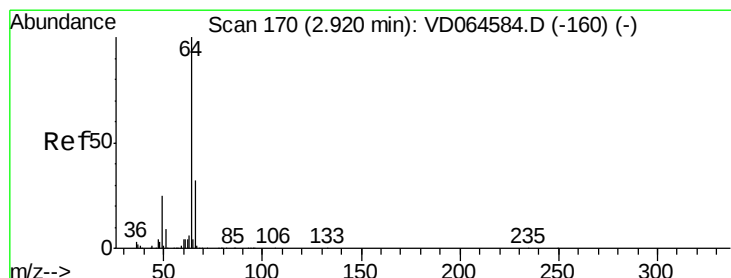
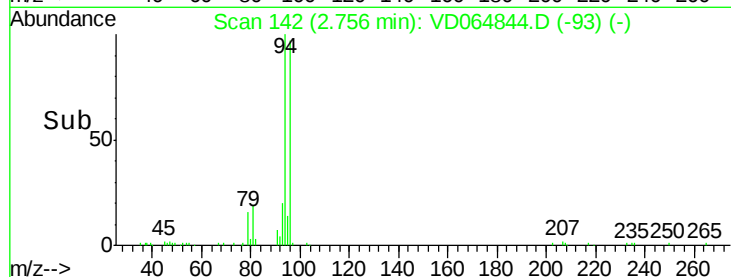
30000

20000

10000

0

Time--> 2.60 2.70 2.80 2.90



#6

Chloroethane

Concen: 23.436 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064844.D

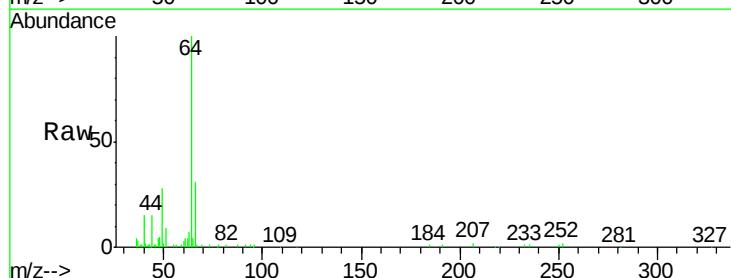
Acq: 13 Jan 2020 12:42

Tgt Ion: 64 Resp: 77968

Ion Ratio Lower Upper

64 100

66 30.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

40000

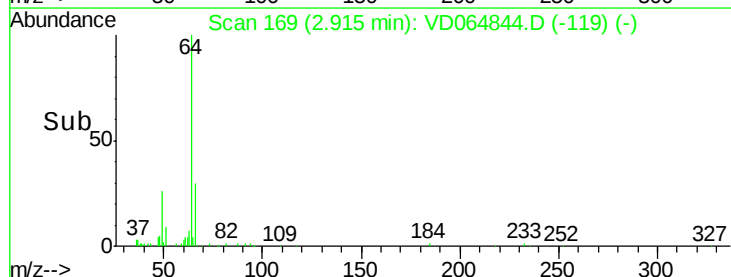
30000

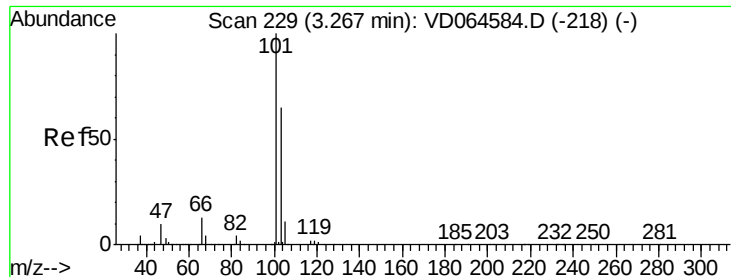
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10000

0

Time--> 2.80 2.85 2.90 2.95 3.00



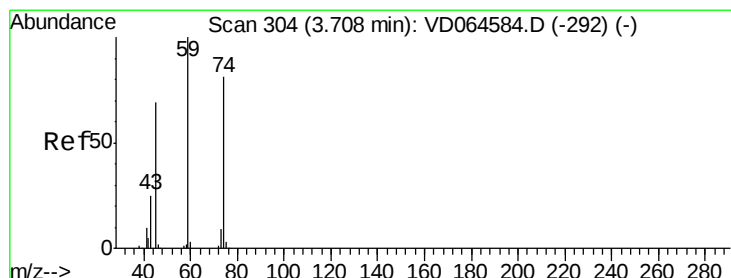
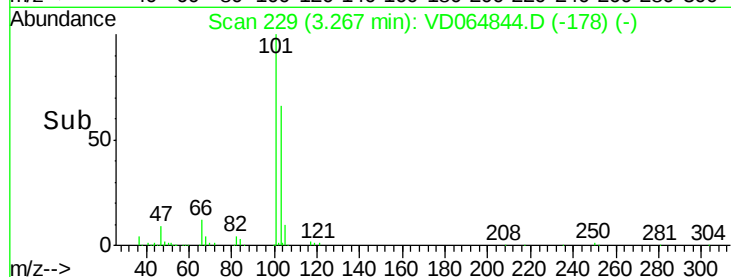
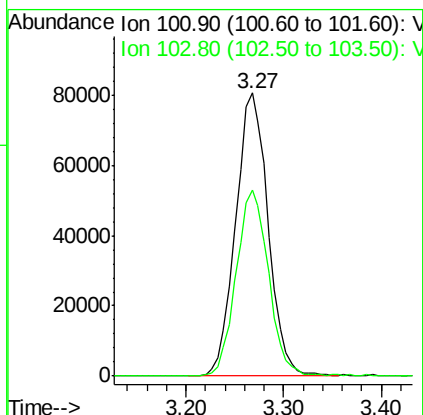
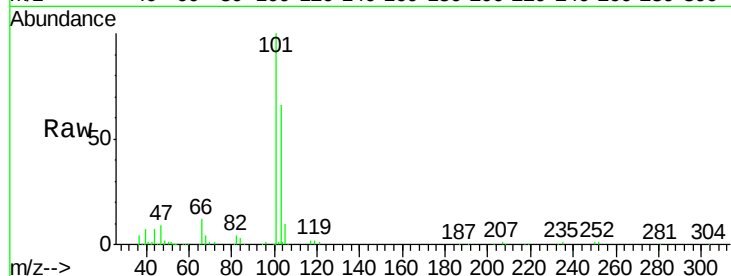


#7

Trichlorofluoromethane
 Concen: 22.408 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

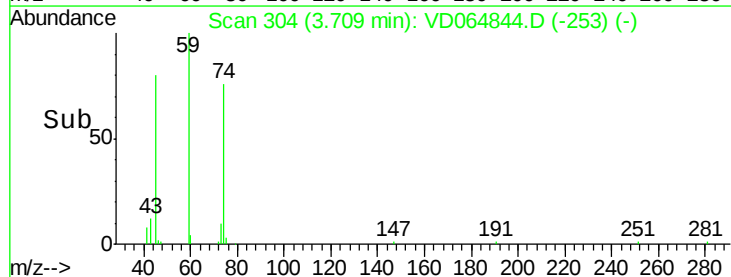
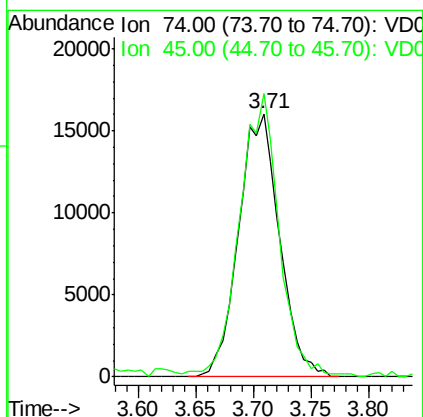
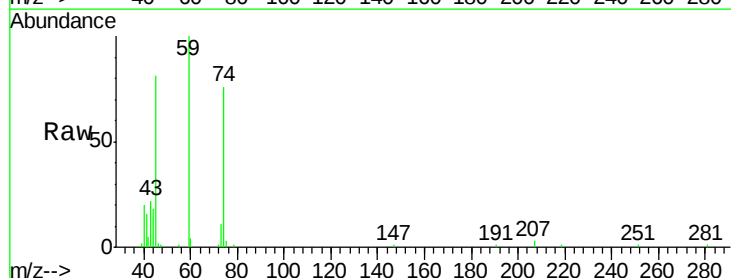
Tgt Ion:101 Resp: 187334
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.2 78.4



#8

Diethyl Ether
 Concen: 23.835 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion: 74 Resp: 39570
 Ion Ratio Lower Upper
 74 100
 45 104.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.387 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

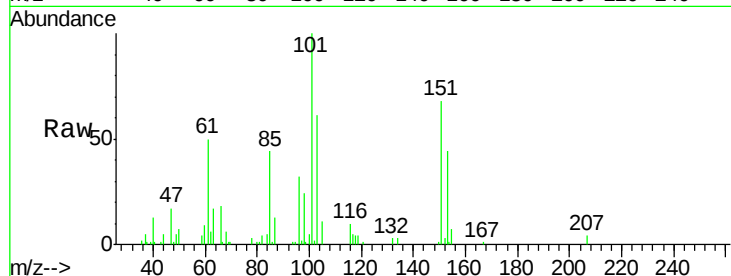
Tgt Ion:101 Resp: 84434

Ion Ratio Lower Upper

101 100

85 45.5 35.2 52.8

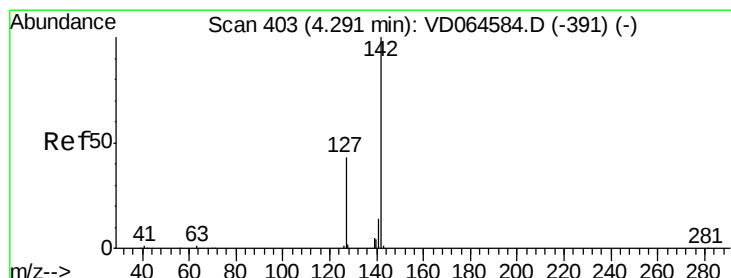
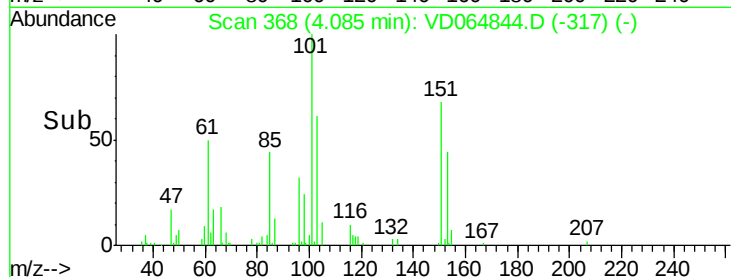
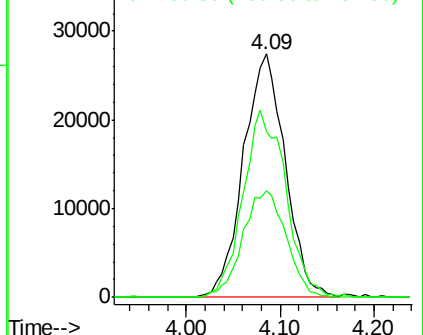
151 78.7 66.2 99.4



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: 22.124 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

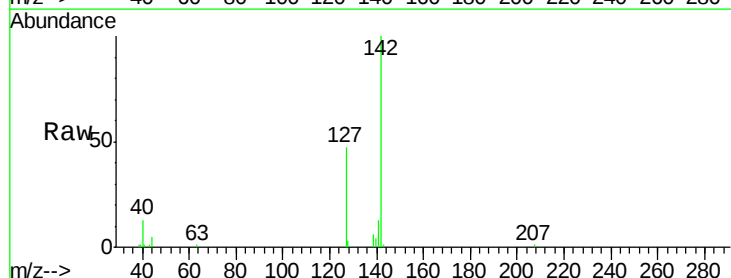
Tgt Ion:142 Resp: 82278

Ion Ratio Lower Upper

142 100

127 45.8 36.2 54.4

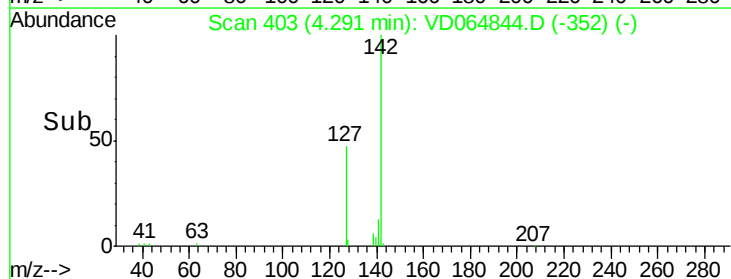
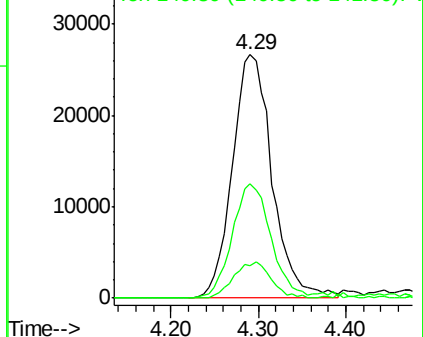
141 13.9 11.8 17.8

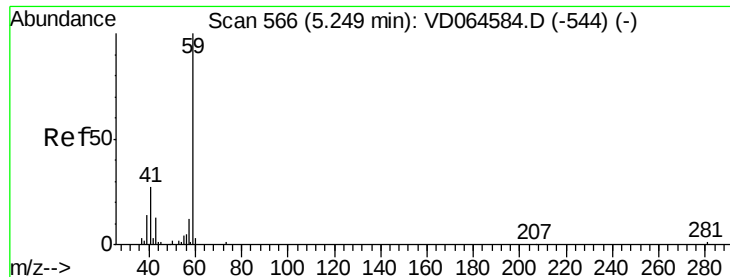


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



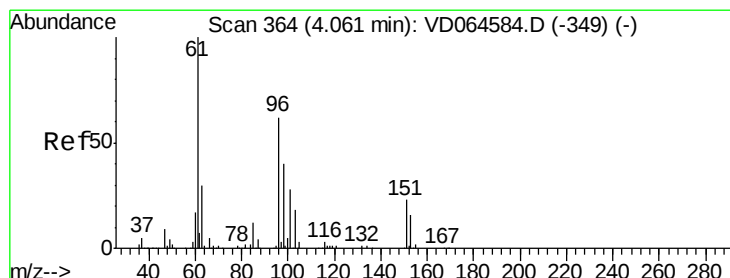
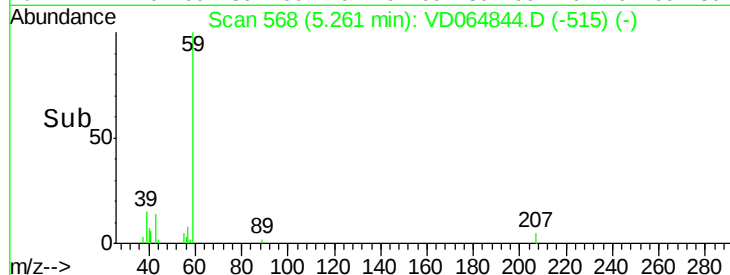
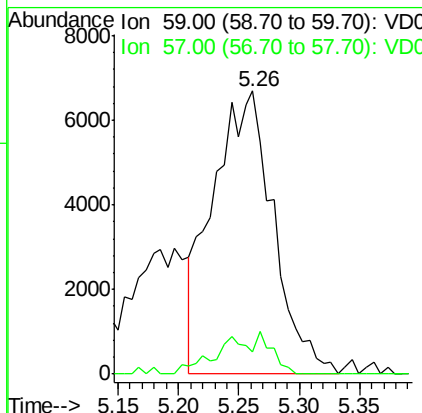
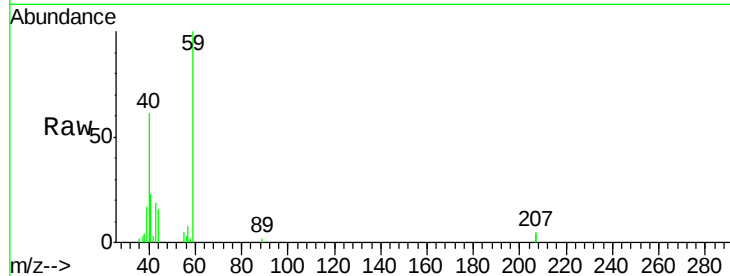


#11

Tert butyl alcohol
 Concen: 123.487 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

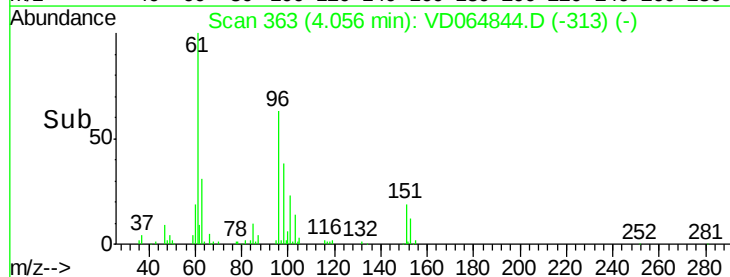
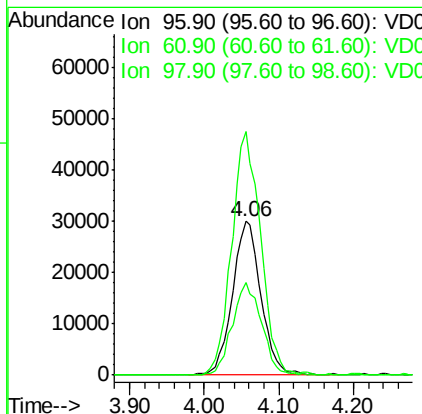
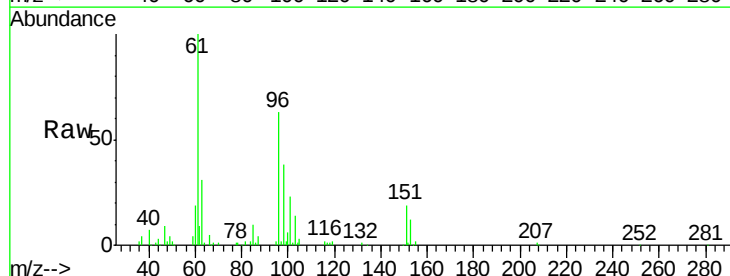
Tgt Ion: 59 Resp: 23381
 Ion Ratio Lower Upper
 59 100
 57 8.0 9.3 13.9#

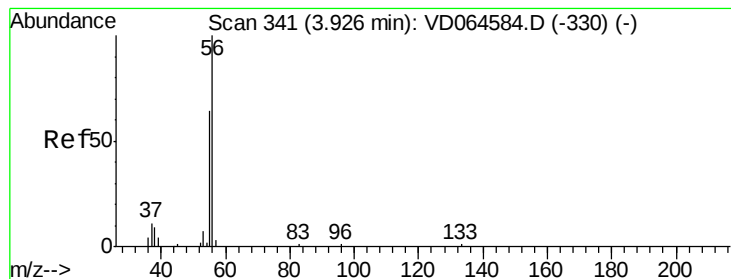


#12

1,1-Dichloroethene
 Concen: 24.306 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion: 96 Resp: 80119
 Ion Ratio Lower Upper
 96 100
 61 158.3 129.4 194.0
 98 60.2 51.4 77.0





#13

Acrolein

Concen: 87.049 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

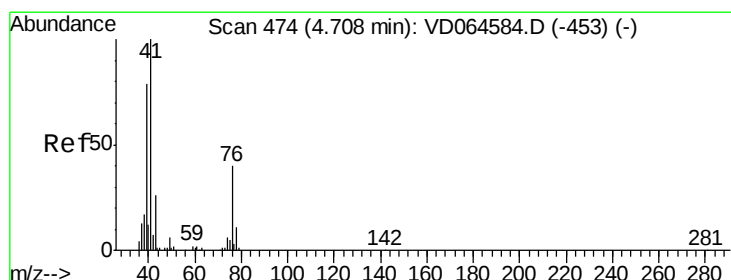
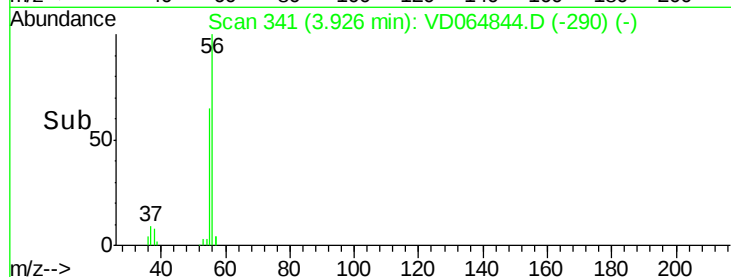
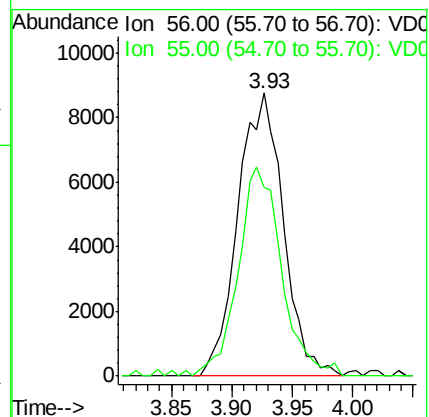
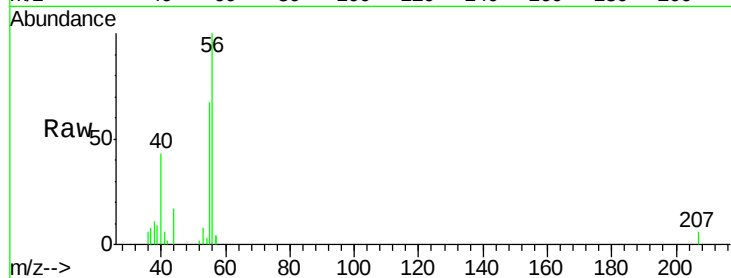
VD0113SBSD01

Tgt Ion: 56 Resp: 22970

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1



#14

Allyl chloride

Concen: 24.343 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

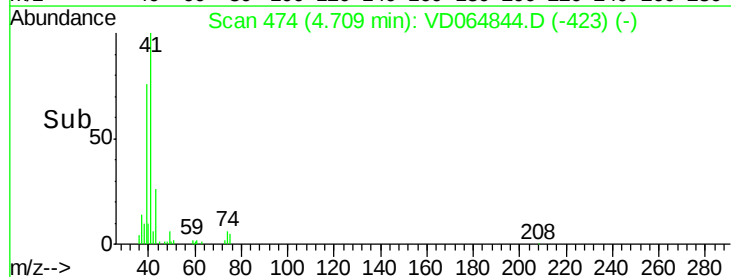
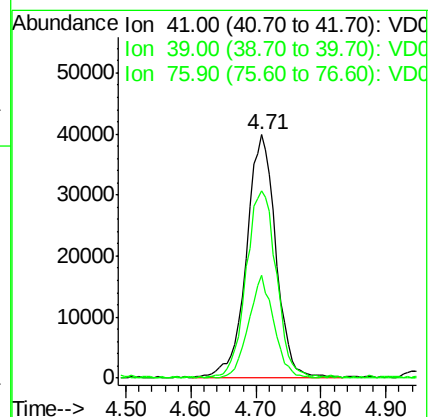
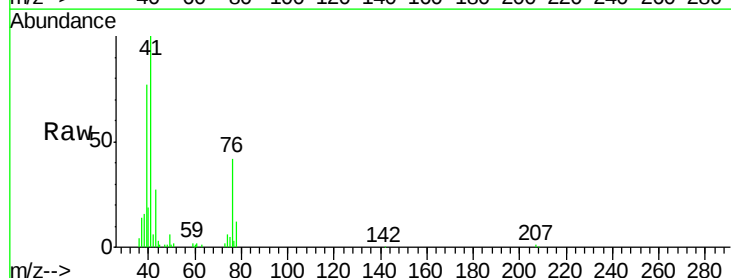
Tgt Ion: 41 Resp: 125103

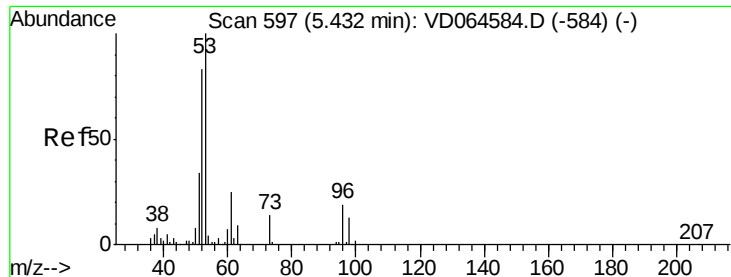
Ion Ratio Lower Upper

41 100

39 79.6 62.3 93.5

76 36.4 29.7 44.5





#15

Acrylonitrile

Concen: 124.428 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

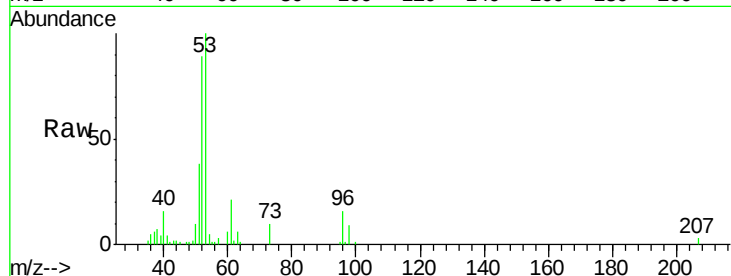
Tgt Ion: 53 Resp: 86042

Ion Ratio Lower Upper

53 100

52 82.0 66.2 99.2

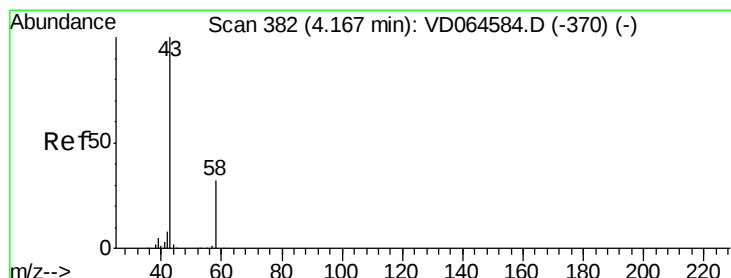
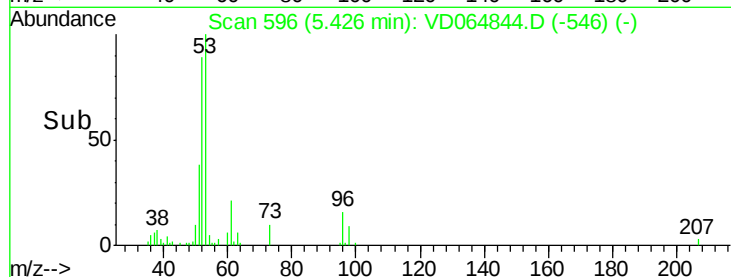
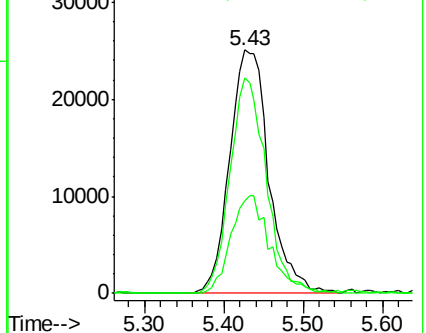
51 39.7 30.1 45.1



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: 130.804 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064844.D

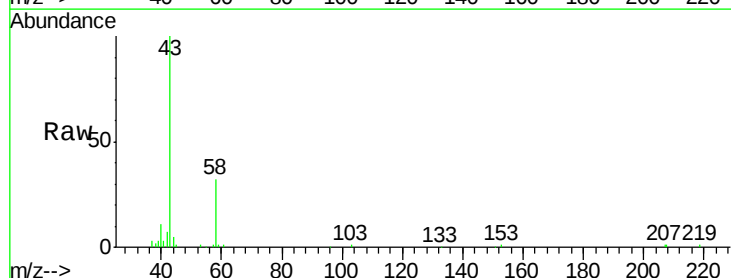
Acq: 13 Jan 2020 12:42

Tgt Ion: 43 Resp: 94820

Ion Ratio Lower Upper

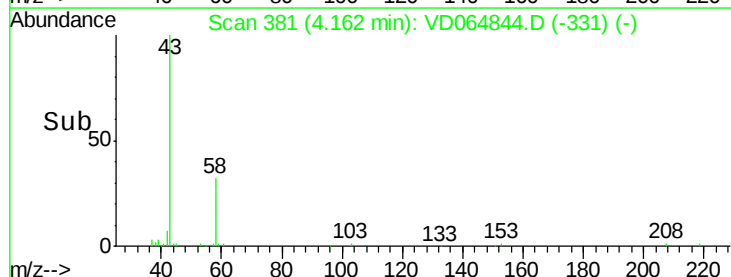
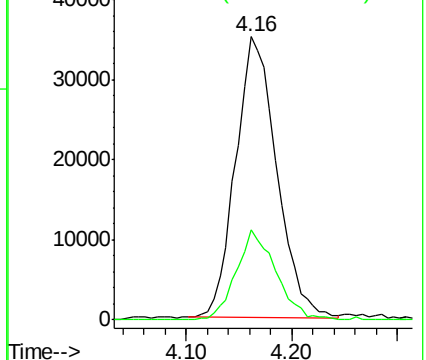
43 100

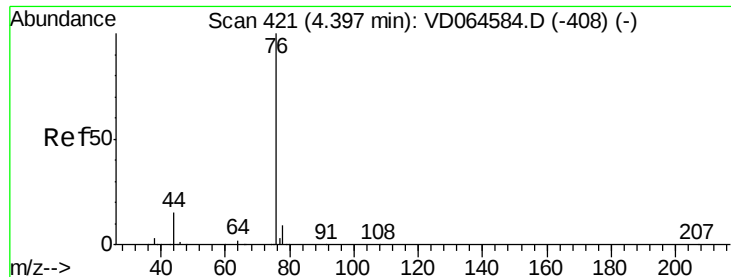
58 32.1 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 22.244 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

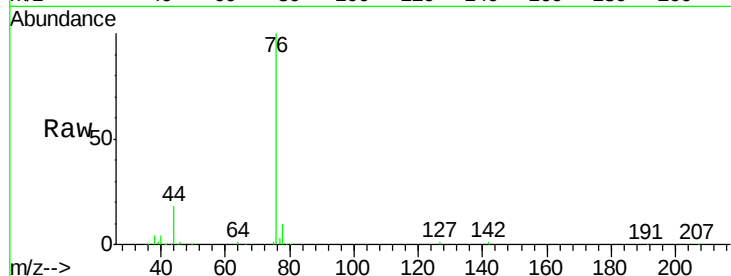
VD0113BSD01

Tgt Ion: 76 Resp: 237088

Ion Ratio Lower Upper

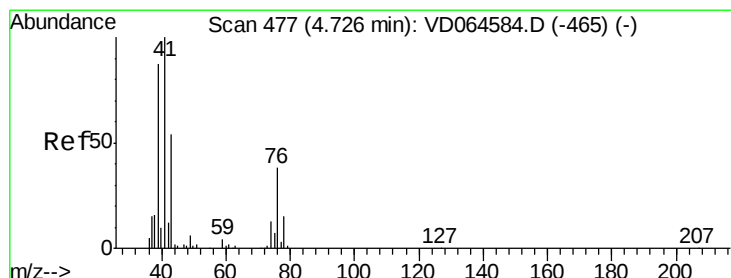
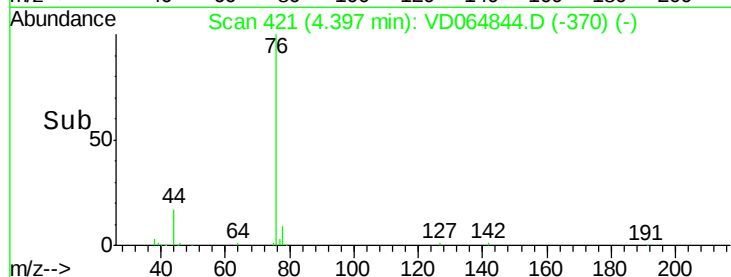
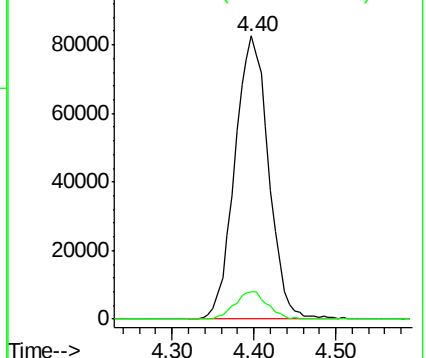
76 100

78 9.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 24.704 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064844.D

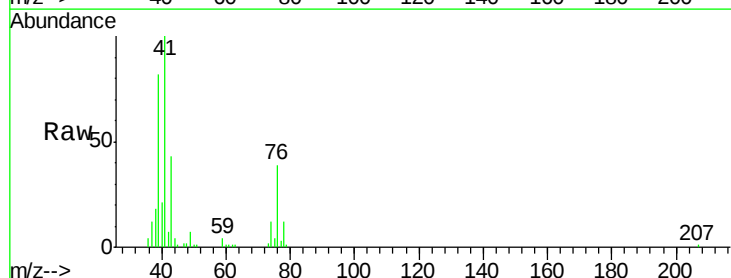
Acq: 13 Jan 2020 12:42

Tgt Ion: 43 Resp: 45948

Ion Ratio Lower Upper

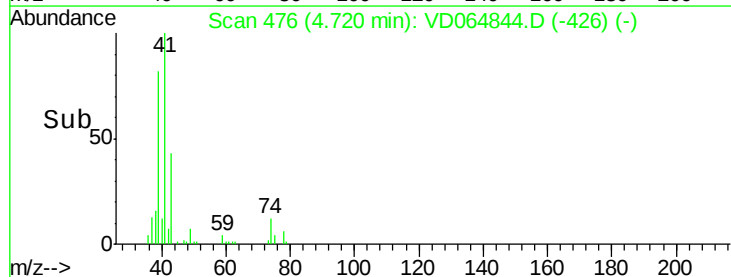
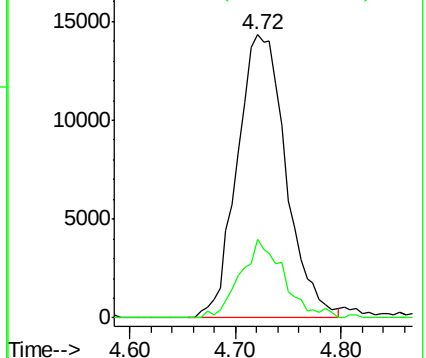
43 100

74 24.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



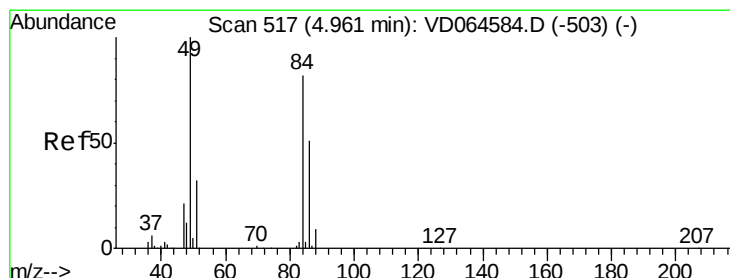
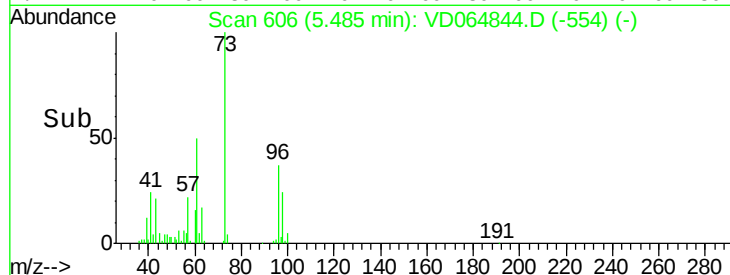
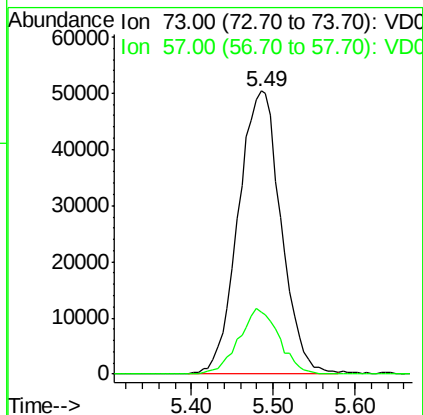
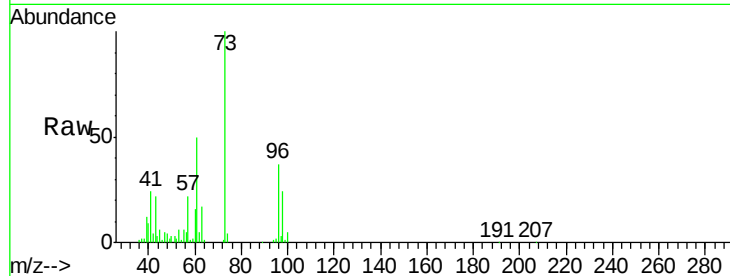


#19

Methyl tert-butyl Ether
 Concen: 24.995 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

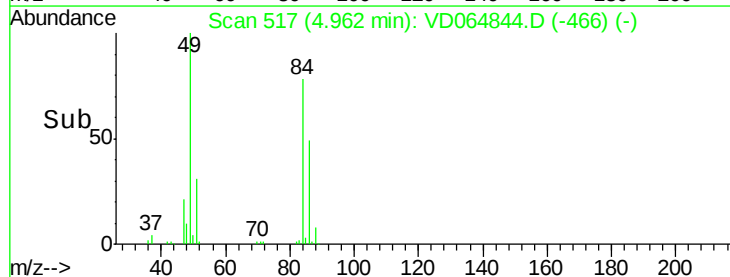
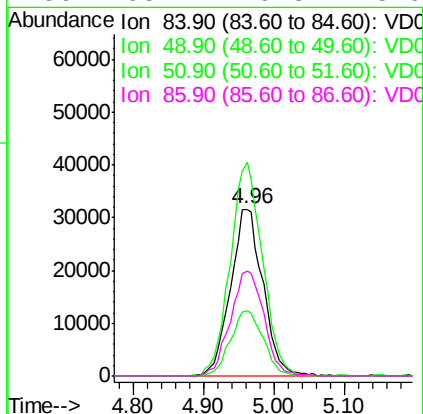
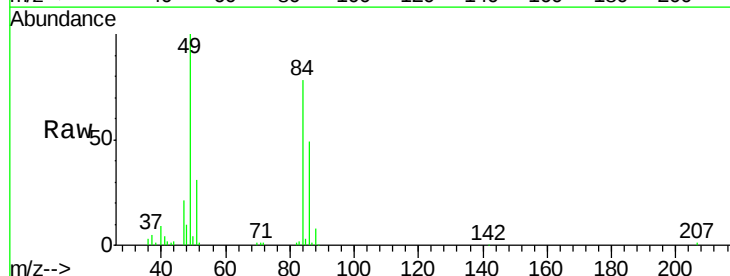
Tgt Ion: 73 Resp: 183001
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.6 27.8

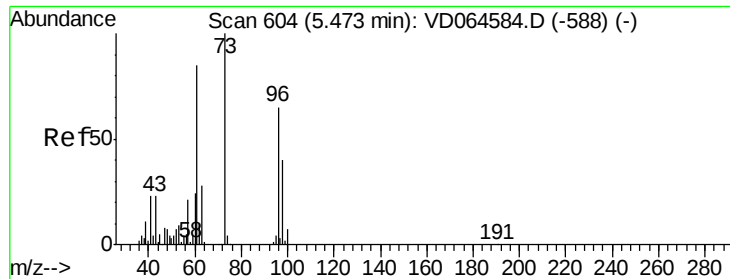


#20

Methylene Chloride
 Concen: 27.555 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion: 84 Resp: 100517
 Ion Ratio Lower Upper
 84 100
 49 128.3 97.2 145.8
 51 39.6 31.4 47.0
 86 63.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 23.190 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

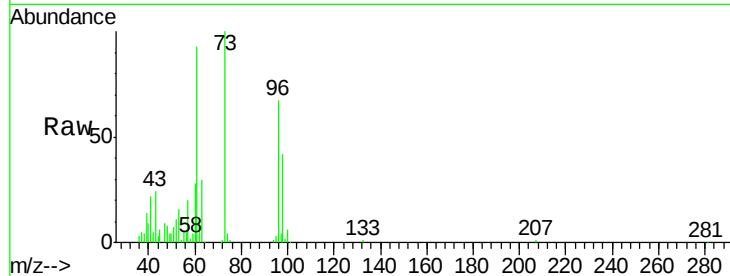
Tgt Ion: 96 Resp: 87054

Ion Ratio Lower Upper

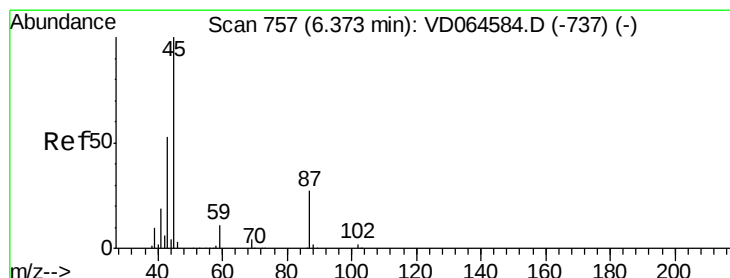
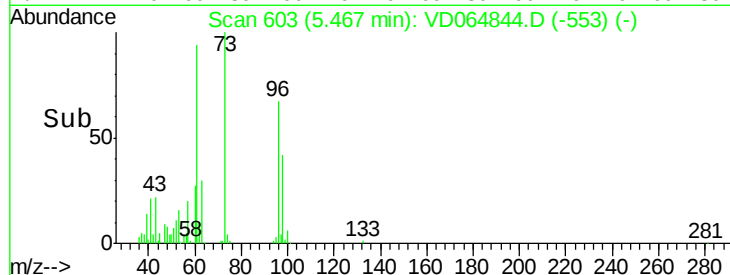
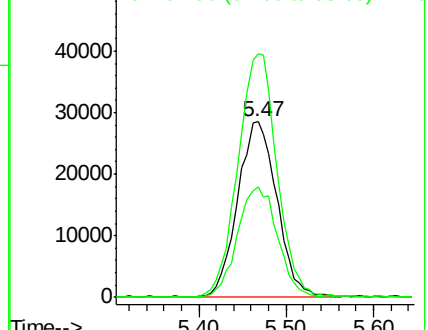
96 100

61 139.0 104.7 157.1

98 62.9 49.4 74.2



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



#22

Diisopropyl ether

Concen: 24.567 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Tgt Ion: 45 Resp: 251824

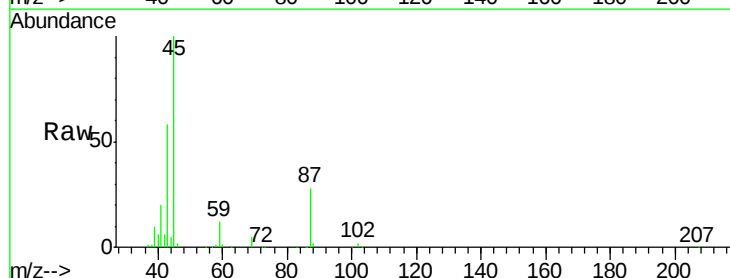
Ion Ratio Lower Upper

45 100

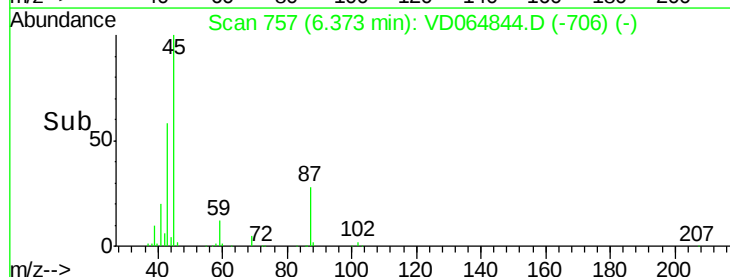
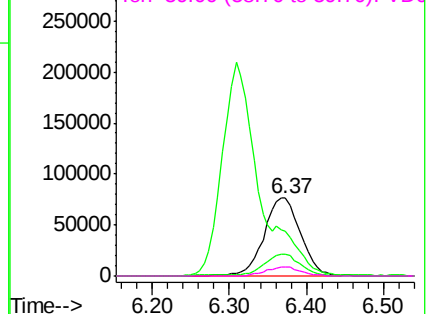
43 56.6 43.2 64.8

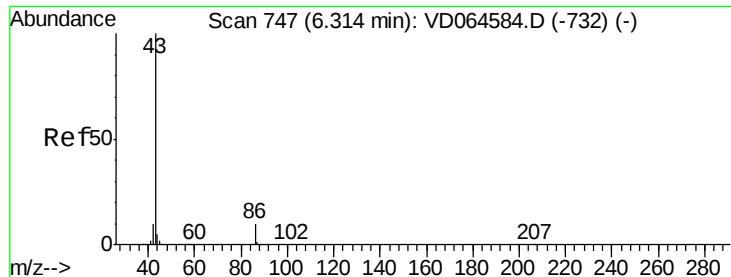
87 27.4 21.9 32.9

59 12.3 9.0 13.4



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: 121.381 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

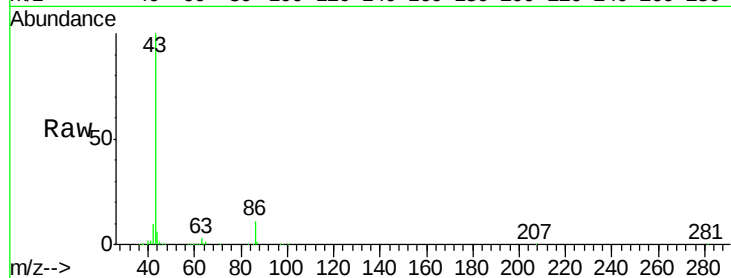
VD0113SBS01

Tgt Ion: 43 Resp: 705809

Ion Ratio Lower Upper

43 100

86 11.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

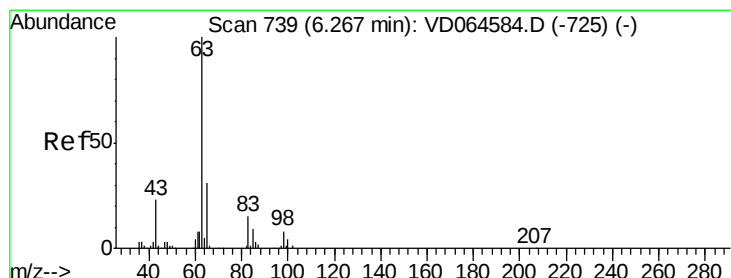
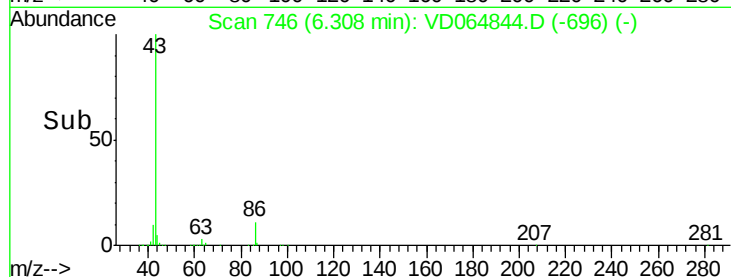
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 24.837 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

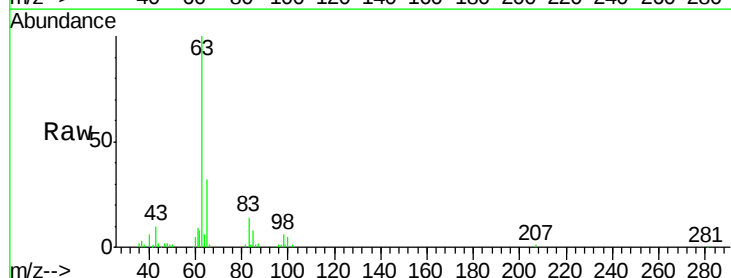
Tgt Ion: 63 Resp: 152844

Ion Ratio Lower Upper

63 100

98 5.7 4.1 12.3

100 5.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

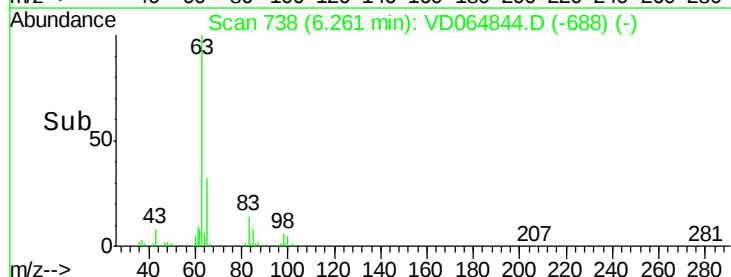
60000

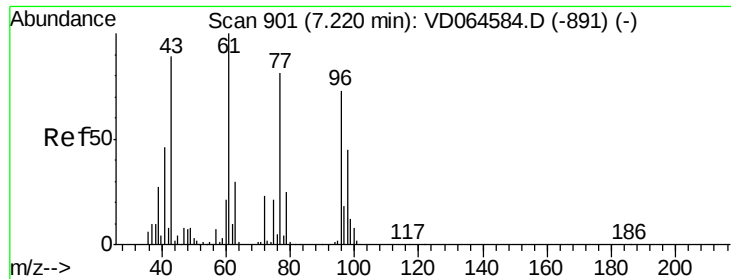
40000

20000

0

Time-->





#25

2-Butanone

Concen: 131.831 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

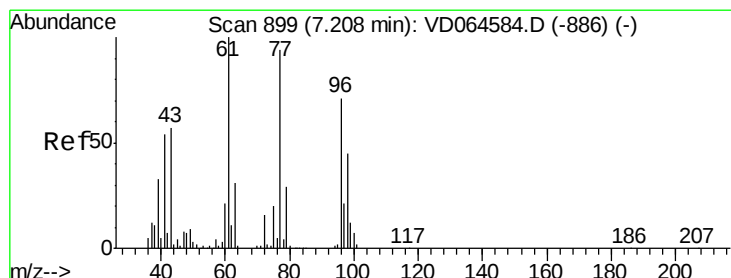
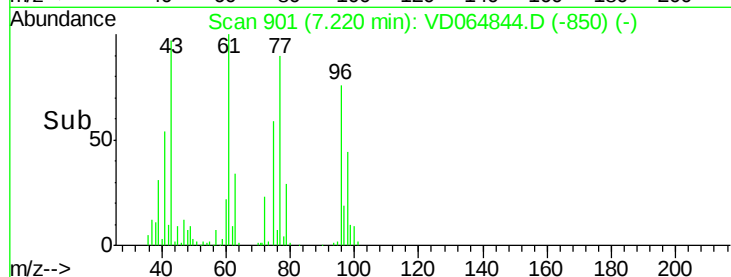
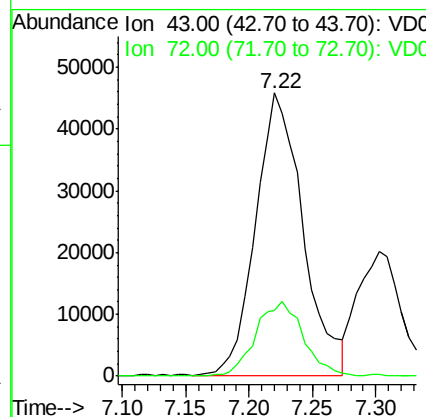
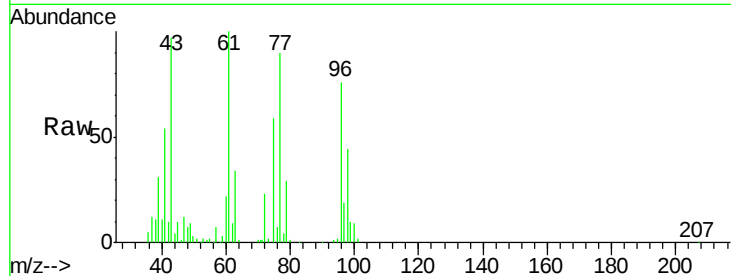
VD0113SBSD01

Tgt Ion: 43 Resp: 119719

Ion Ratio Lower Upper

43 100

72 23.2 20.7 31.1



#26

2,2-Dichloropropane

Concen: 25.423 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064844.D

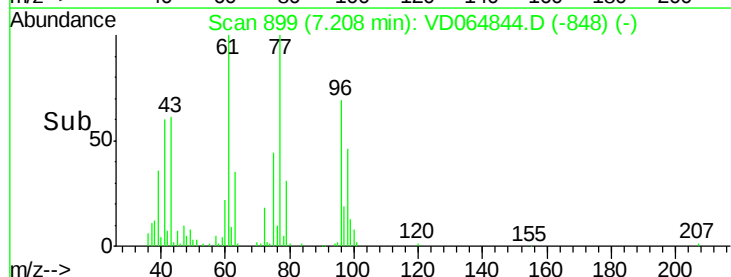
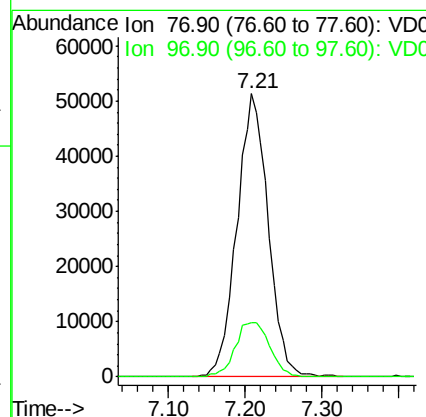
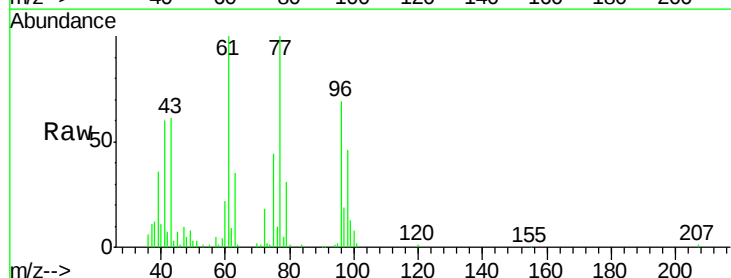
Acq: 13 Jan 2020 12:42

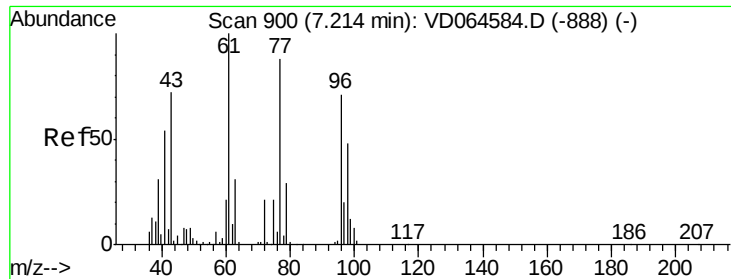
Tgt Ion: 77 Resp: 145459

Ion Ratio Lower Upper

77 100

97 21.3 11.2 33.6

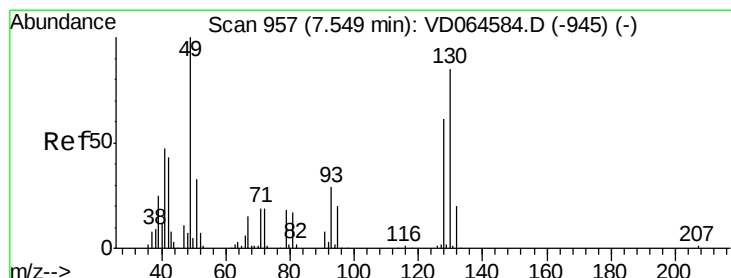
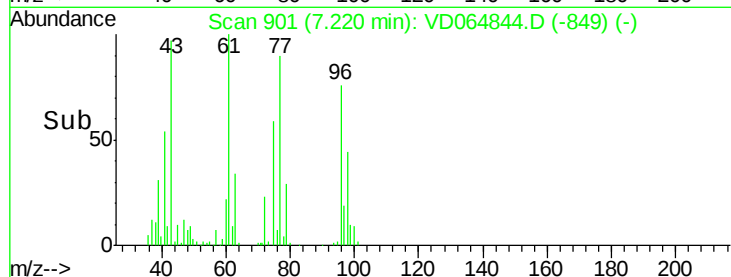
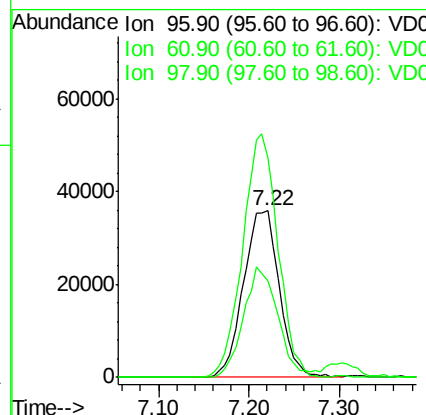
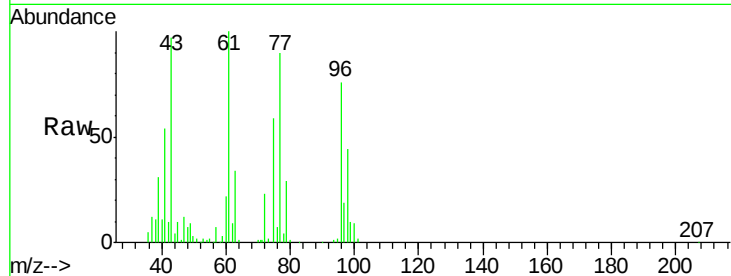




#27
 cis-1,2-Dichloroethene
 Concen: 24.357 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

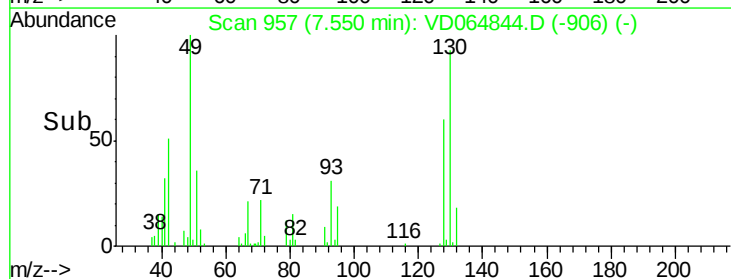
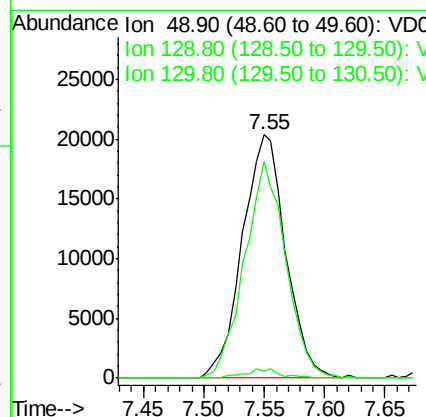
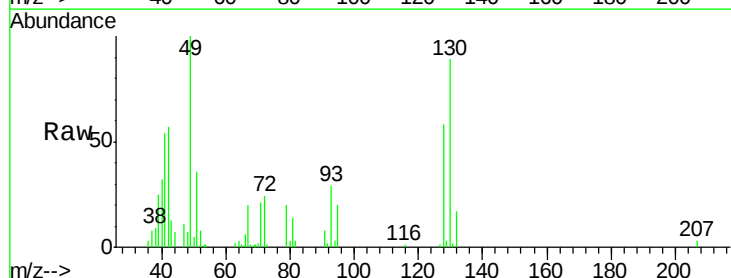
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

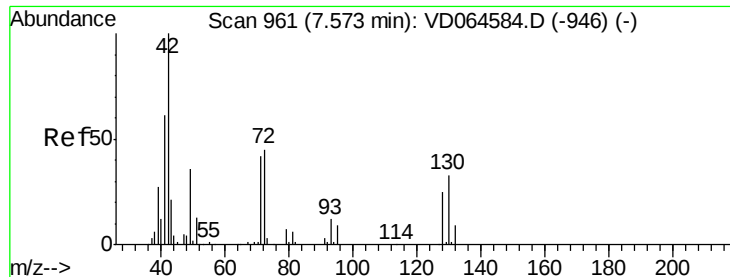
Tgt Ion: 96 Resp: 98680
 Ion Ratio Lower Upper
 96 100
 61 143.0 0.0 282.6
 98 62.9 0.0 130.8



#28
 Bromochloromethane
 Concen: 21.200 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion: 49 Resp: 50713
 Ion Ratio Lower Upper
 49 100
 129 3.1 0.0 4.8
 130 85.1 65.0 97.6

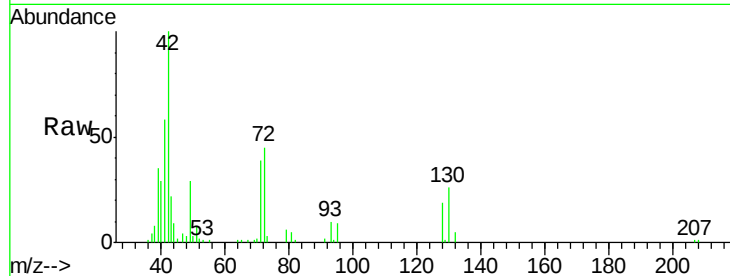




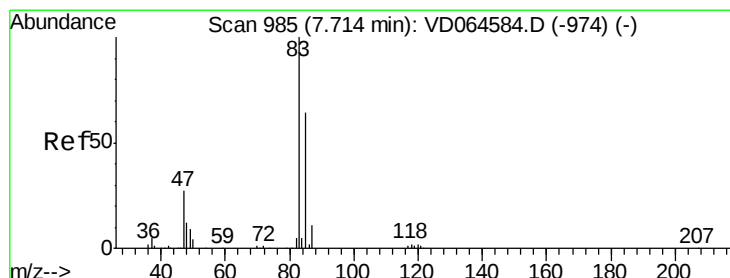
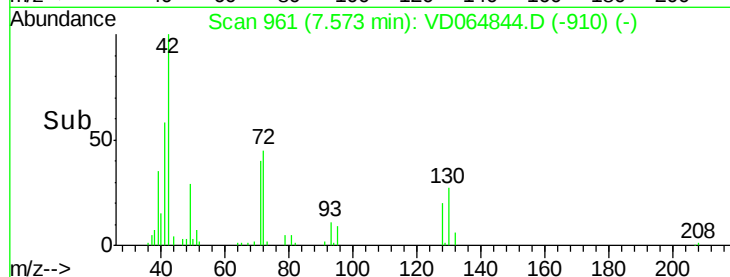
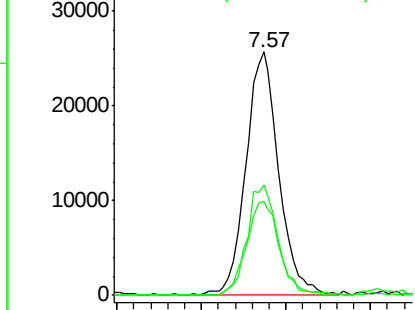
#29
Tetrahydrofuran
Concen: 123.570 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tgt Ion: 42 Resp: 69785
Ion Ratio Lower Upper
42 100
72 42.8 35.0 52.4
71 38.5 32.9 49.3

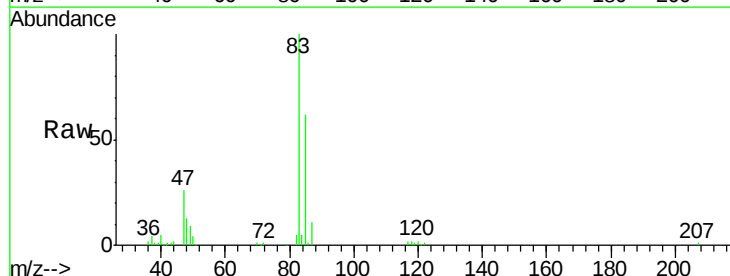


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

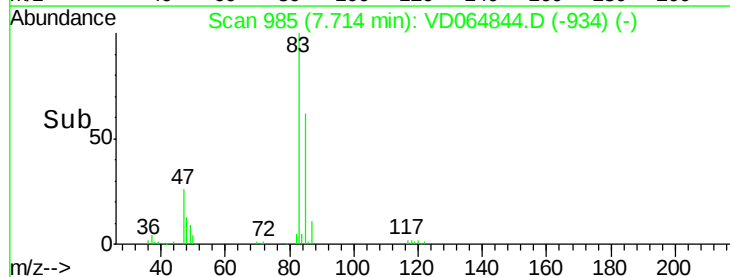
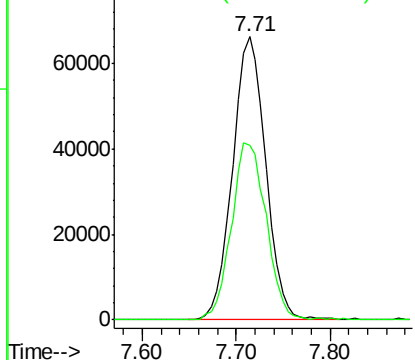


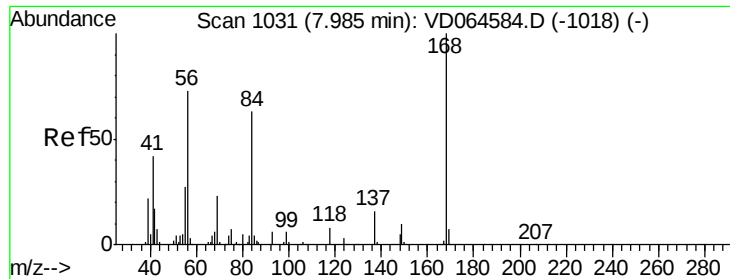
#30
Chloroform
Concen: 25.102 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion: 83 Resp: 162070
Ion Ratio Lower Upper
83 100
85 61.7 51.1 76.7



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

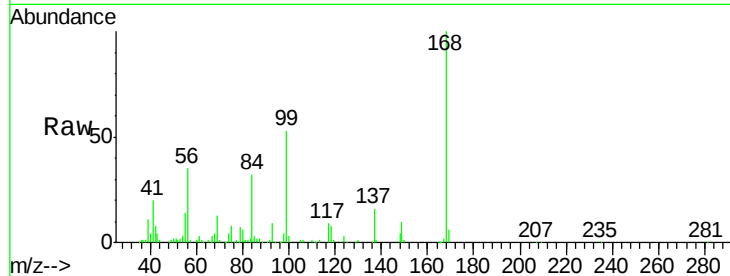




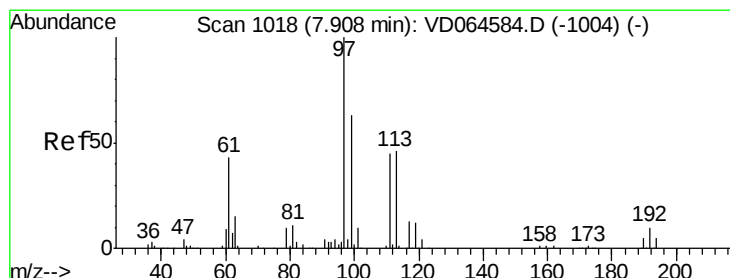
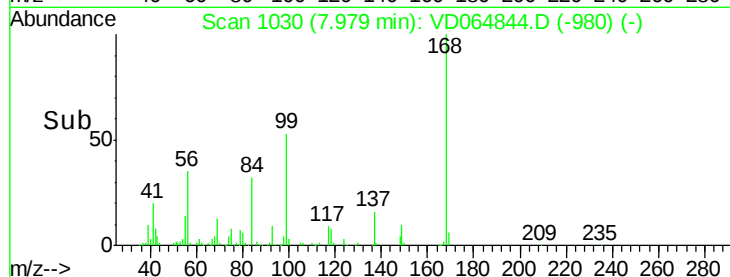
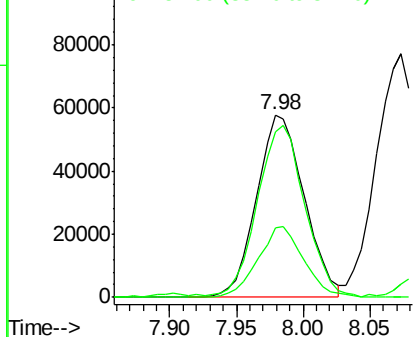
#31
Cyclohexane
Concen: 23.184 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tgt Ion: 56 Resp: 142816
Ion Ratio Lower Upper
56 100
69 38.0 24.7 37.1#
84 89.0 69.4 104.2

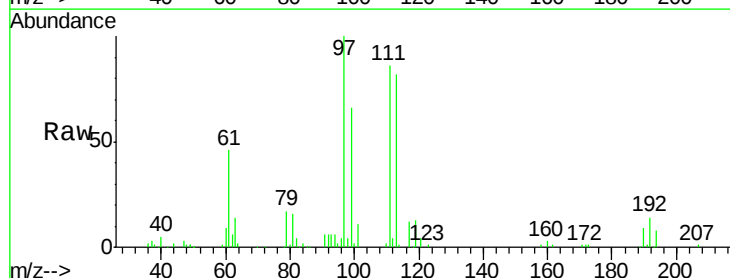


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

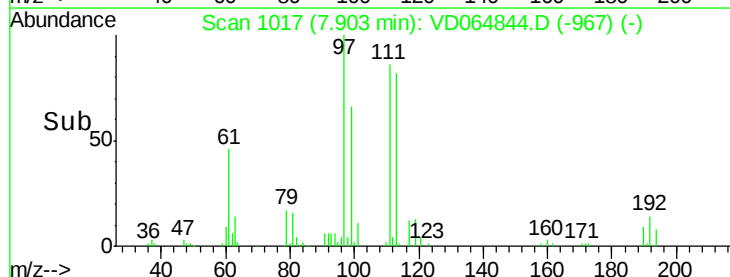
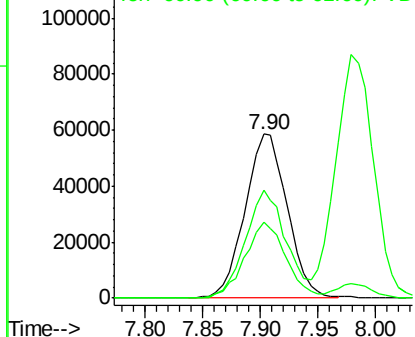


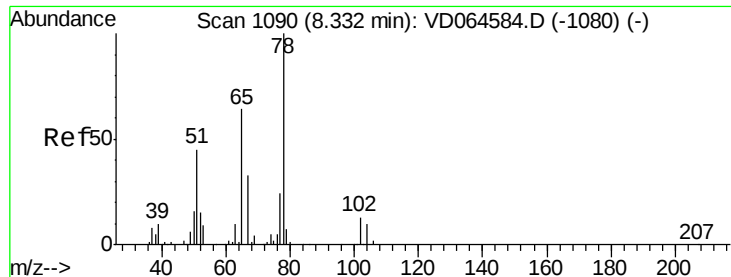
#32
1,1,1-Trichloroethane
Concen: 24.575 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion: 97 Resp: 149032
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.6
61 45.0 35.4 53.0



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

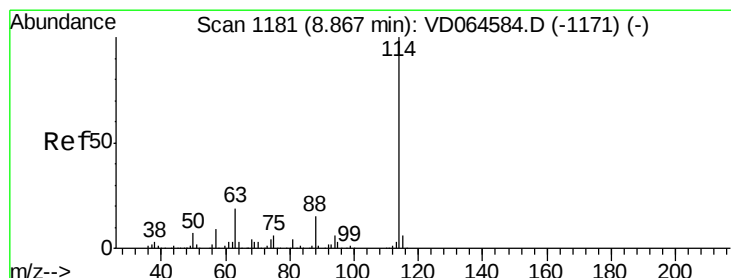
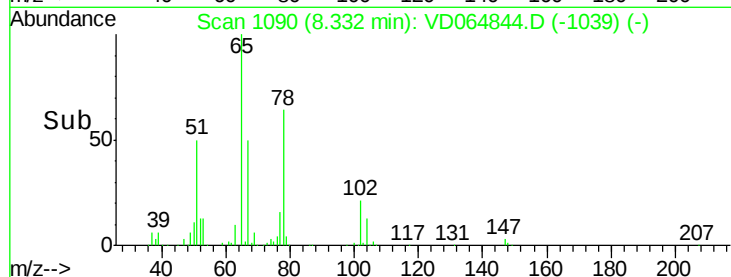
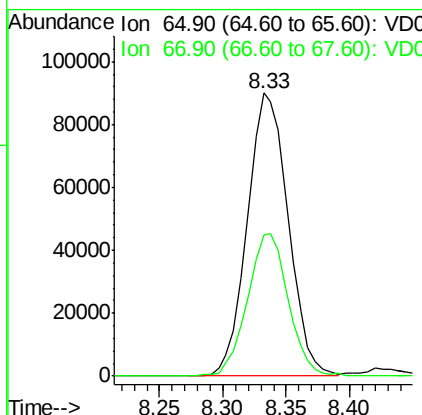
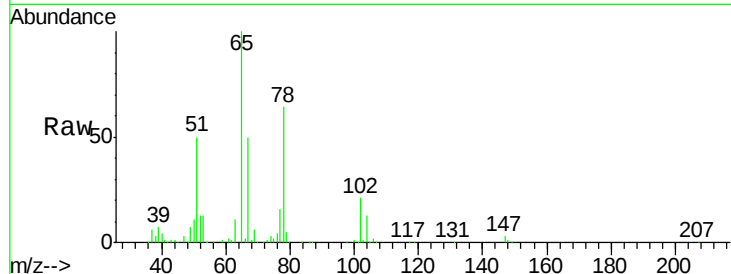




#33
 1,2-Dichloroethane-d4
 Concen: 61.228 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

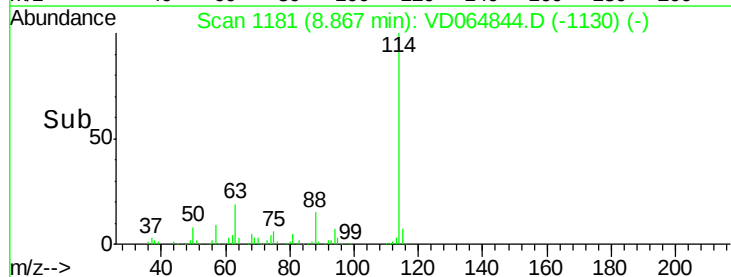
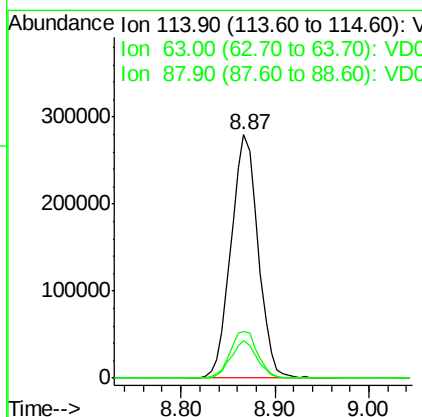
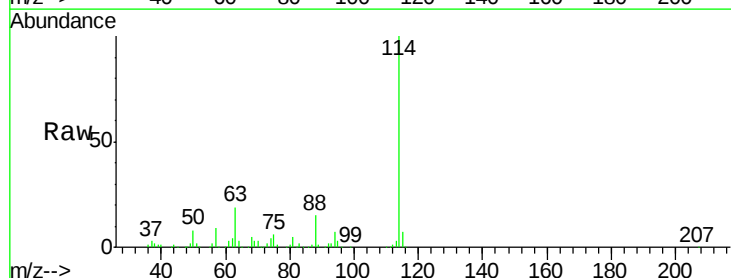
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

Tgt Ion: 65 Resp: 202283
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion: 114 Resp: 559486
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.0
 88 15.3 0.0 29.2

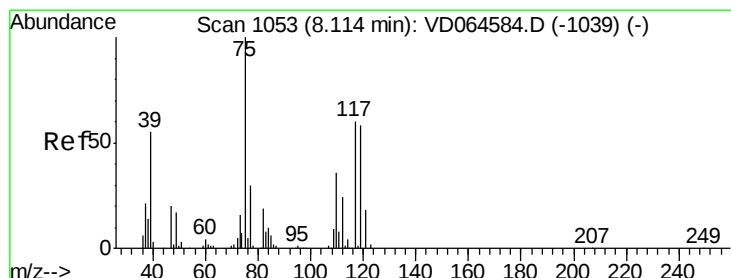
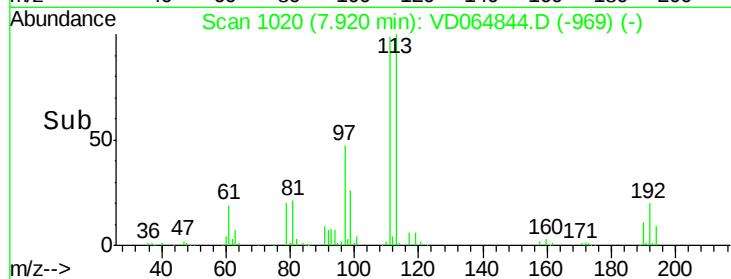
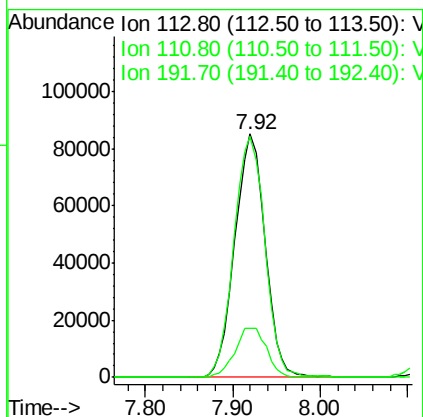
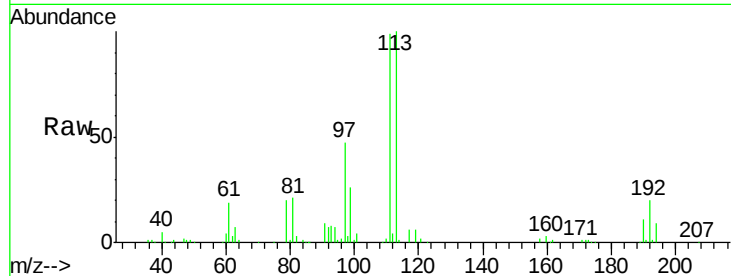




#35
 Dibromofluoromethane
 Concen: 58.281 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

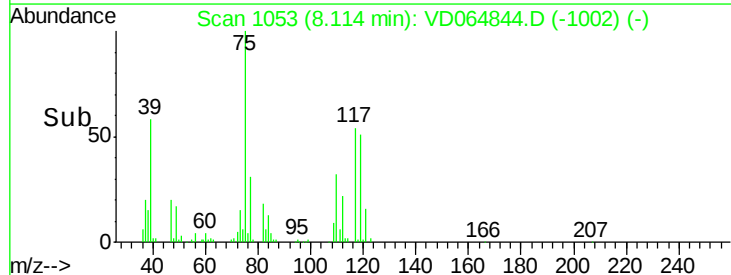
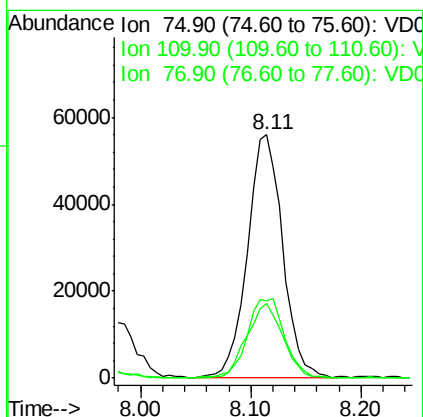
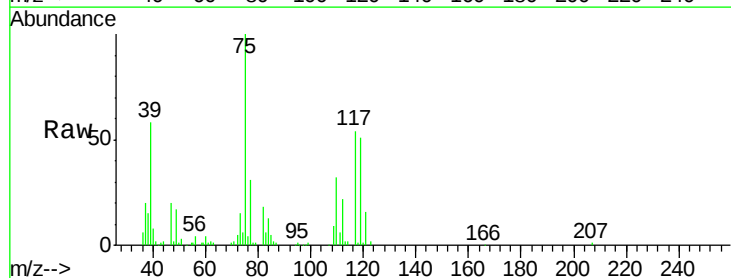
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

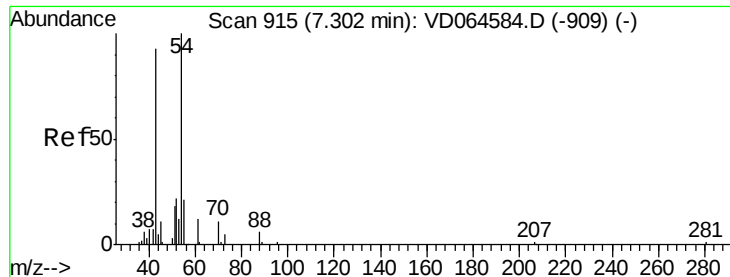
Tgt Ion: 113 Resp: 200051
 Ion Ratio Lower Upper
 113 100
 111 101.1 80.6 121.0
 192 21.2 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 23.396 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion: 75 Resp: 125991
 Ion Ratio Lower Upper
 75 100
 110 35.3 18.1 54.1
 77 31.0 24.2 36.4

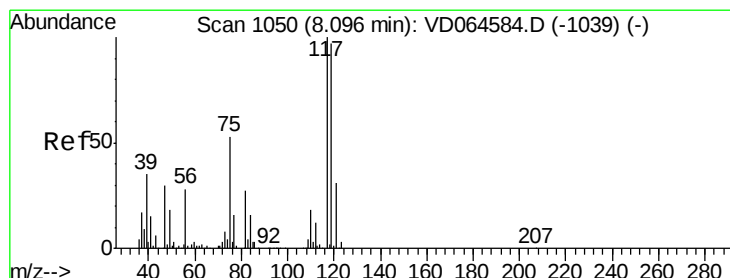
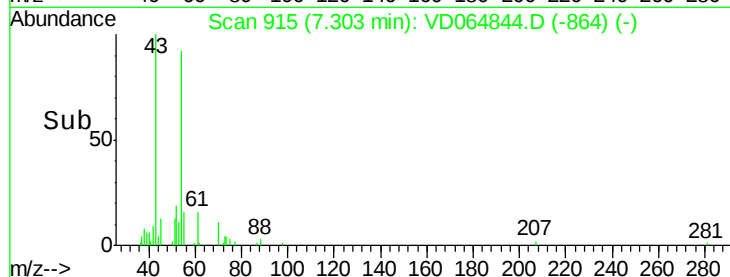
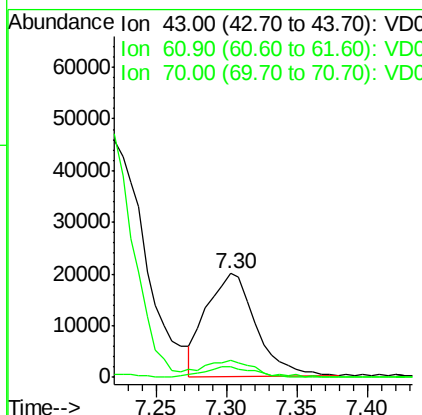
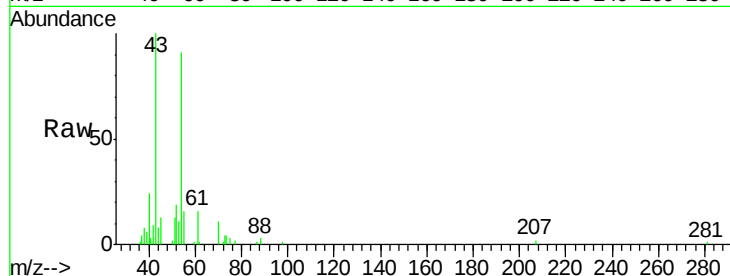




#37
Ethyl Acetate
Concen: 22.832 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

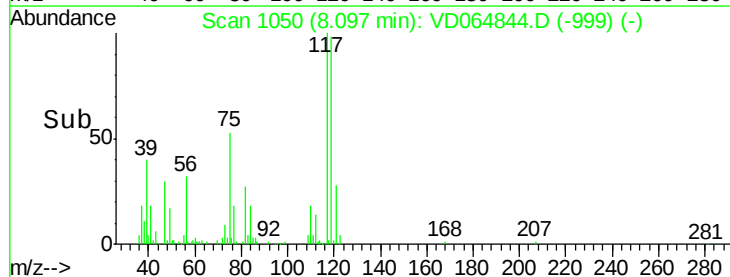
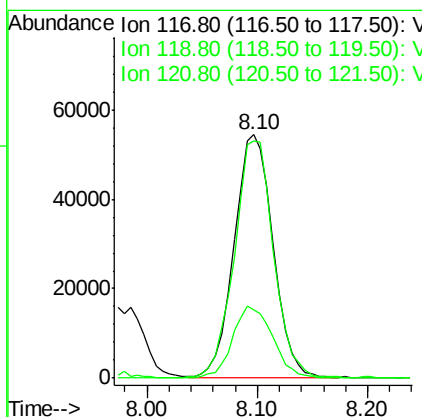
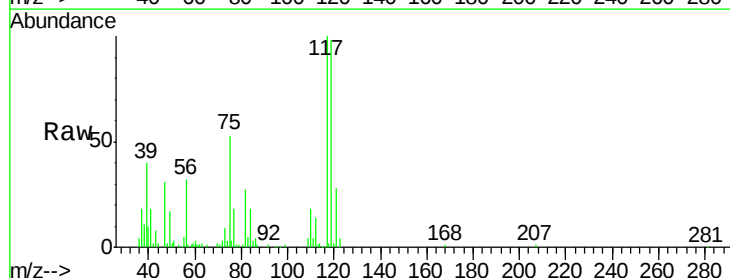
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

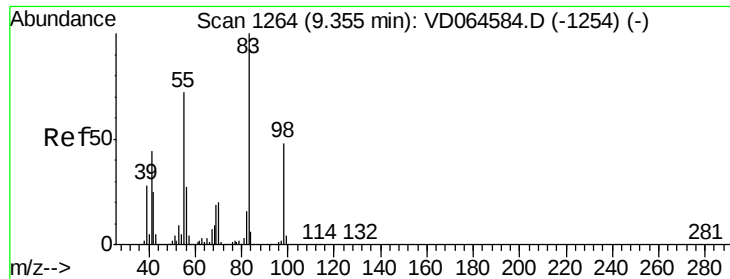
Tgt Ion: 43 Resp: 48302
Ion Ratio Lower Upper
43 100
61 17.9 10.3 15.5#
70 10.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 23.585 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion: 117 Resp: 135425
Ion Ratio Lower Upper
117 100
119 97.2 77.3 115.9
121 28.1 25.0 37.6

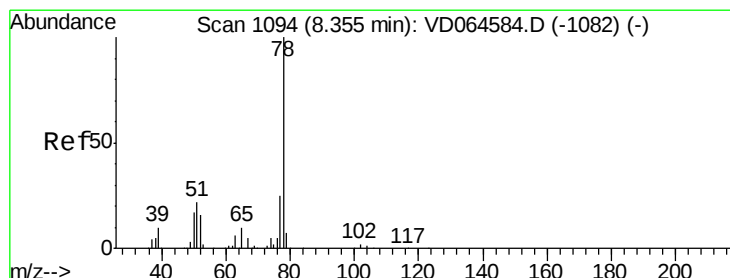
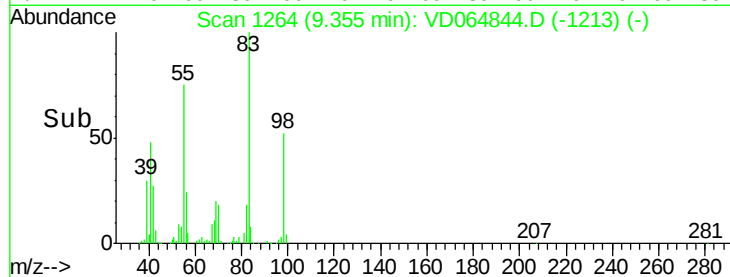
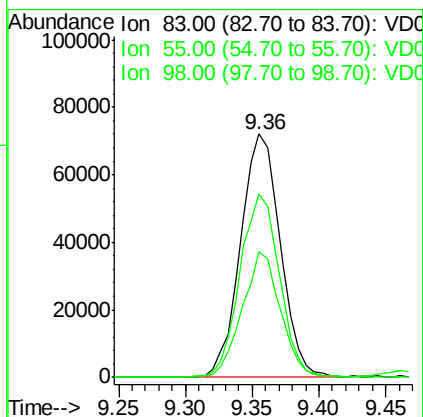
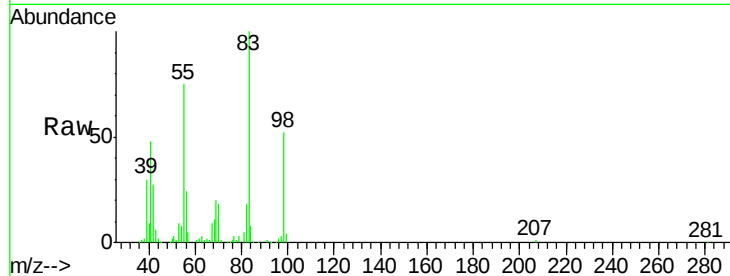




#39
Methylcyclohexane
Concen: 22.780 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

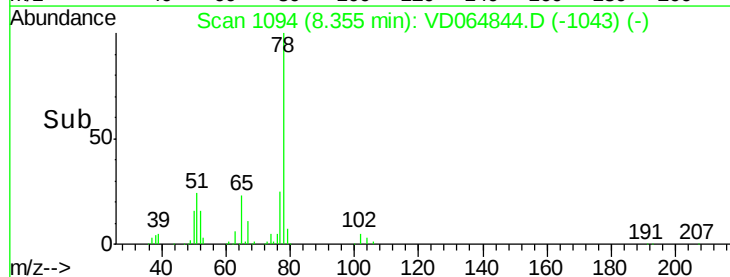
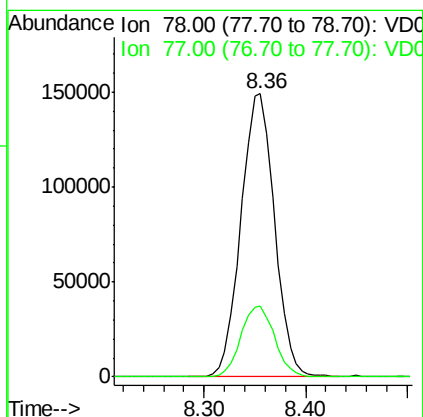
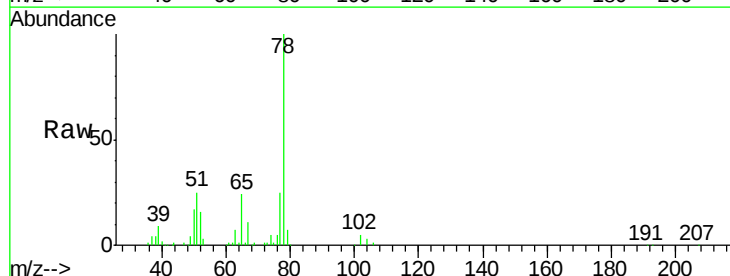
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

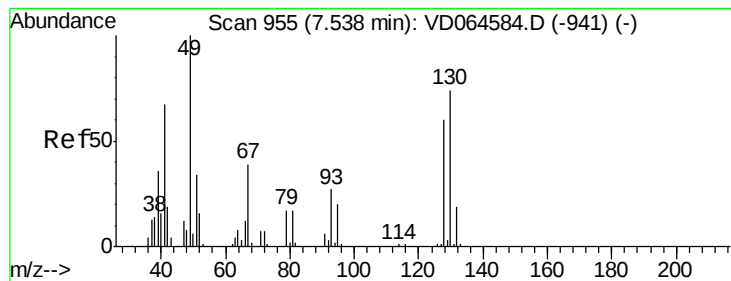
Tgt Ion: 83 Resp: 148579
Ion Ratio Lower Upper
83 100
55 75.1 57.8 86.6
98 51.6 38.7 58.1



#40
Benzene
Concen: 23.364 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion: 78 Resp: 343459
Ion Ratio Lower Upper
78 100
77 24.8 19.9 29.9





#41

Methacrylonitrile

Concen: 26.226 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

Tgt Ion: 41 Resp: 32190

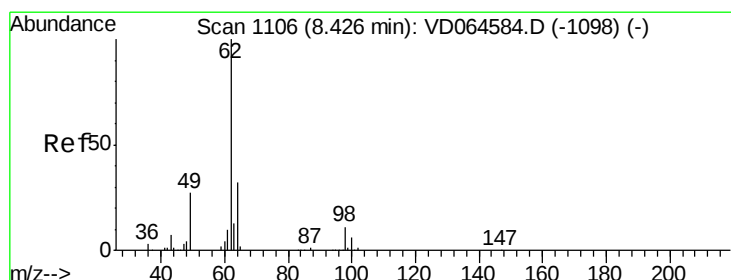
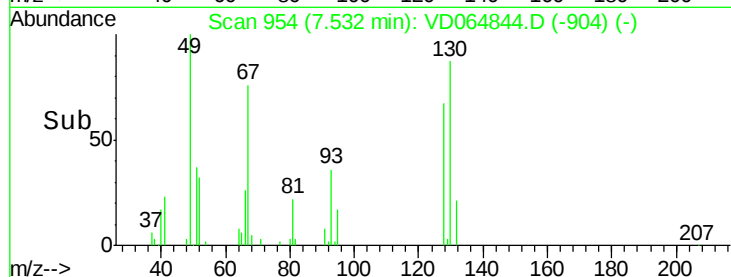
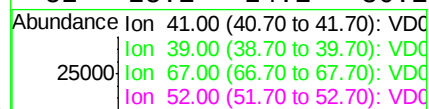
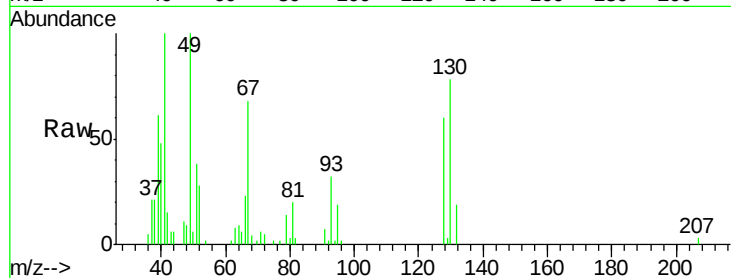
Ion Ratio Lower Upper

41 100

39 54.7 46.7 70.1

67 64.7 52.5 78.7

52 28.1 24.1 36.1



#42

1,2-Dichloroethane

Concen: 24.021 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064844.D

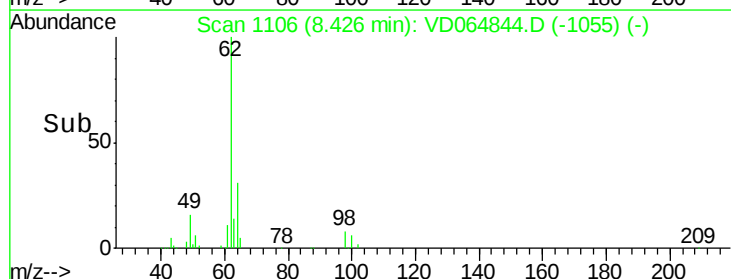
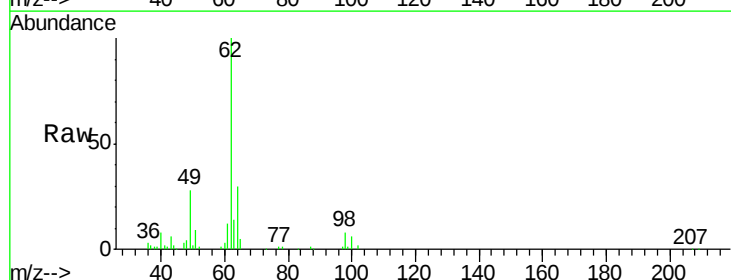
Acq: 13 Jan 2020 12:42

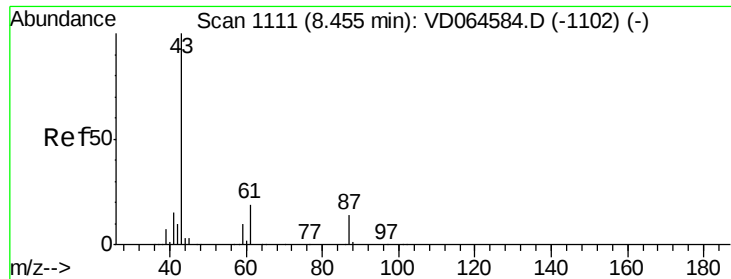
Tgt Ion: 62 Resp: 102042

Ion Ratio Lower Upper

62 100

98 9.7 0.0 20.0





#43

Isopropyl Acetate

Concen: 23.104 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

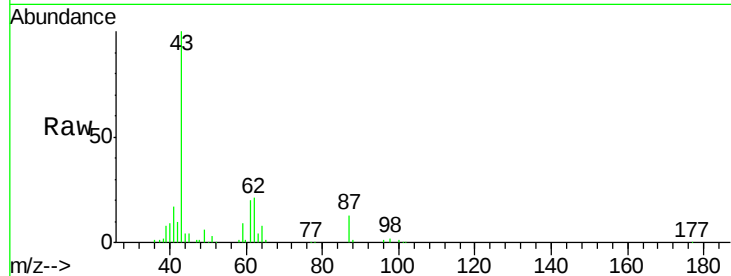
Tgt Ion: 43 Resp: 97285

Ion Ratio Lower Upper

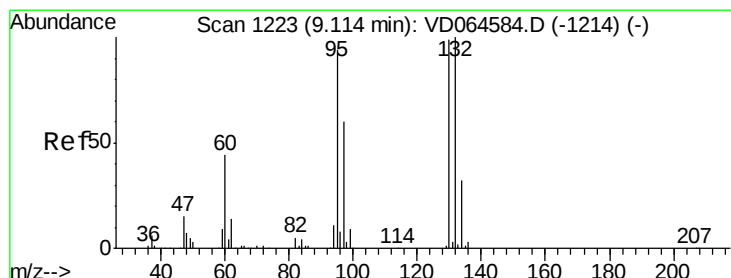
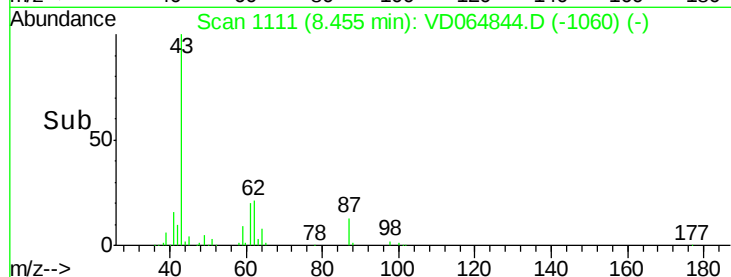
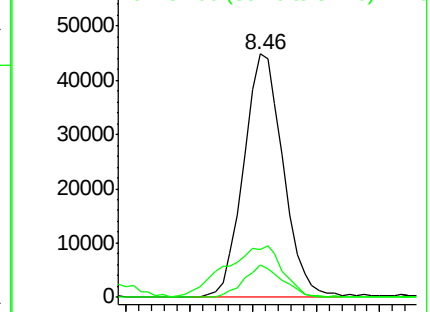
43 100

61 30.7 23.7 35.5

87 12.8 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 23.087 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064844.D

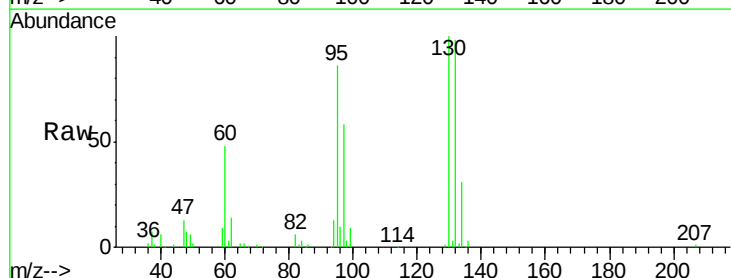
Acq: 13 Jan 2020 12:42

Tgt Ion: 130 Resp: 99703

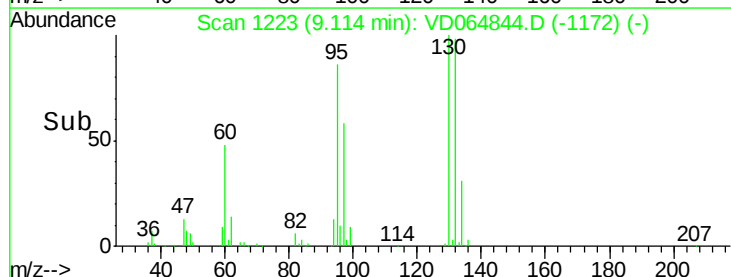
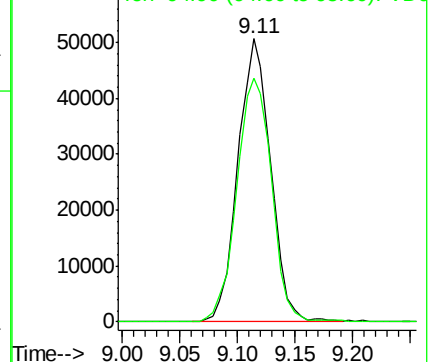
Ion Ratio Lower Upper

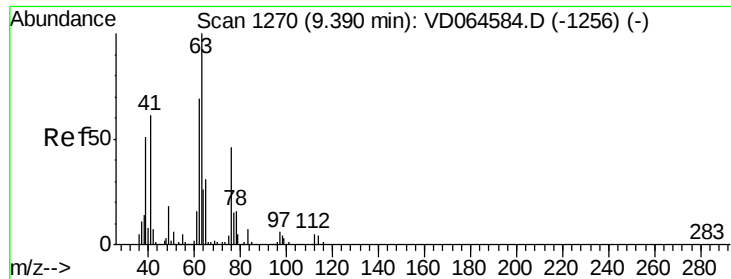
130 100

95 86.2 0.0 190.2



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





#45

1,2-Dichloropropane

Concen: 23.892 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

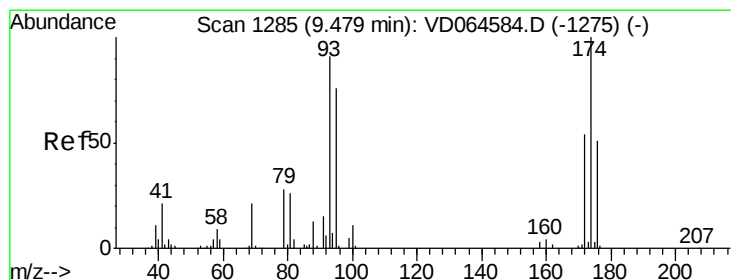
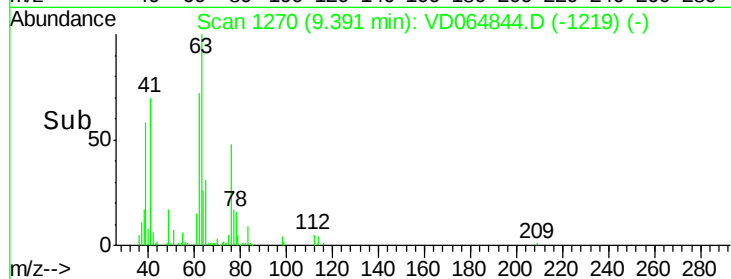
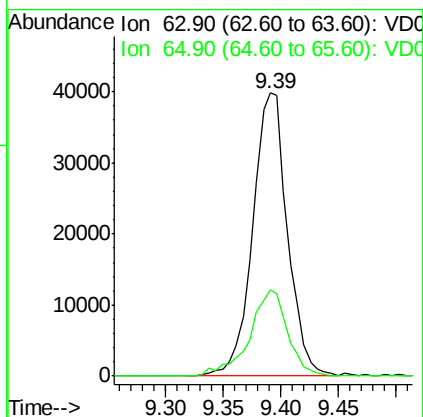
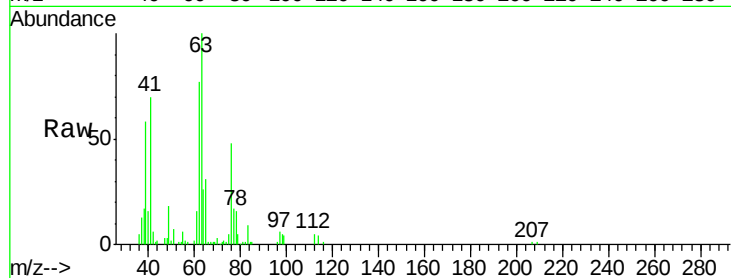
VD0113SBSD01

Tgt Ion: 63 Resp: 83858

Ion Ratio Lower Upper

63 100

65 30.5 25.2 37.8



#46

Dibromomethane

Concen: 23.575 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

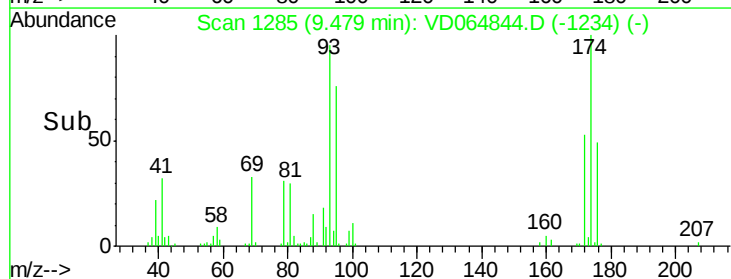
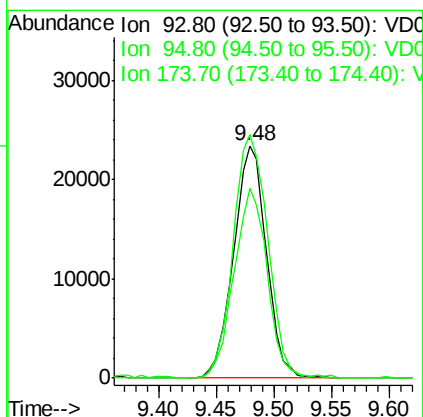
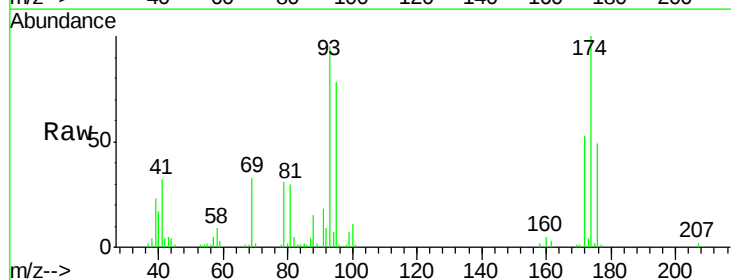
Tgt Ion: 93 Resp: 46135

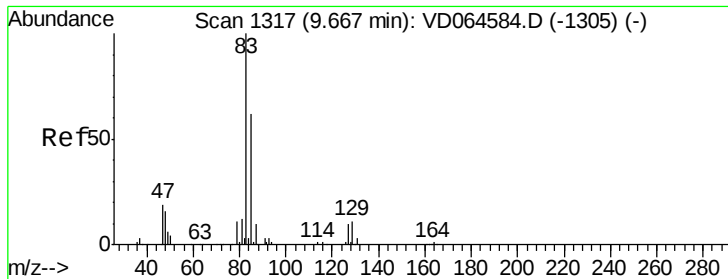
Ion Ratio Lower Upper

93 100

95 82.4 64.6 97.0

174 110.9 88.1 132.1





#47

Bromodichloromethane

Concen: 23.840 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

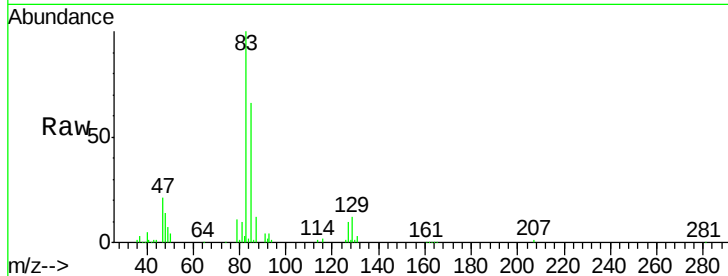
Tgt Ion: 83 Resp: 124140

Ion Ratio Lower Upper

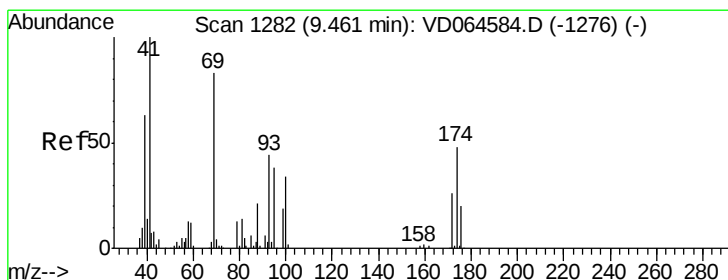
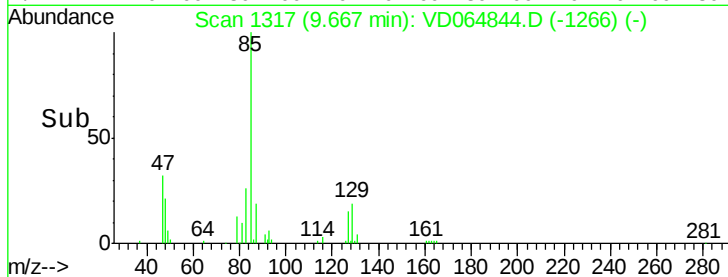
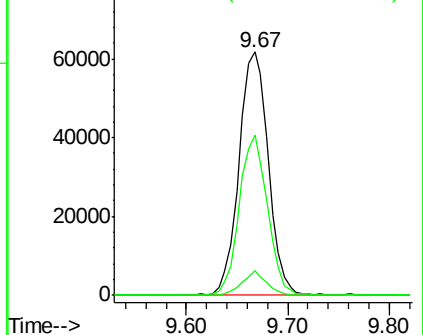
83 100

85 65.8 49.5 74.3

127 10.2 7.8 11.6



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: 23.191 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

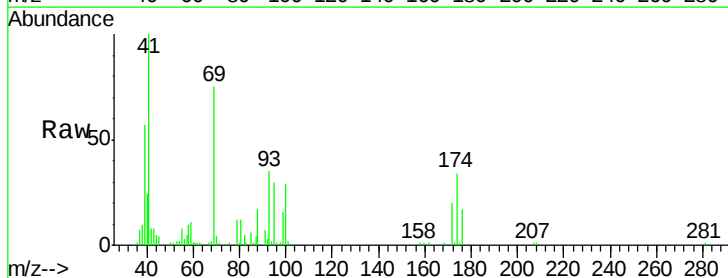
Tgt Ion: 41 Resp: 45979

Ion Ratio Lower Upper

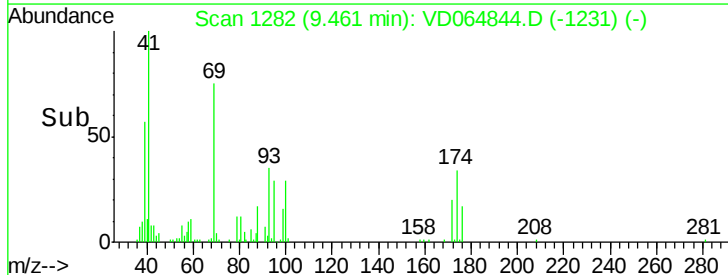
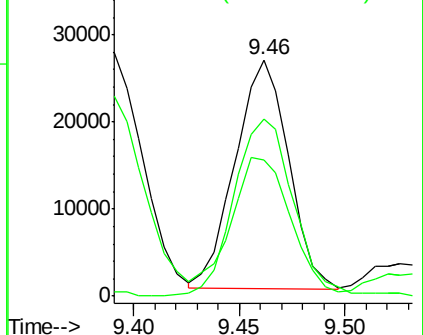
41 100

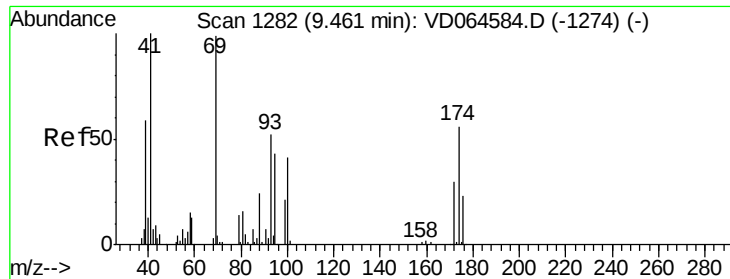
69 85.9 63.0 94.6

39 68.8 47.4 71.2



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

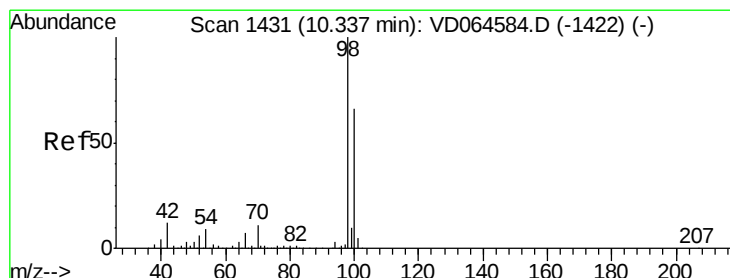
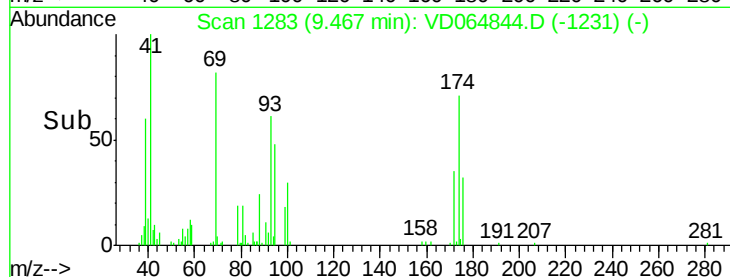
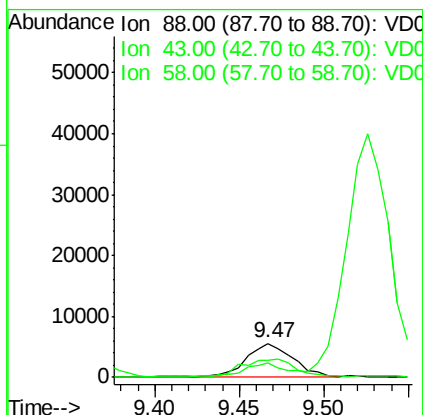
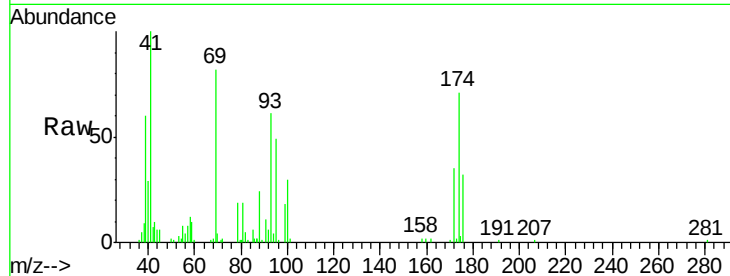




#49
1,4-Dioxane
Concen: 472.820 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

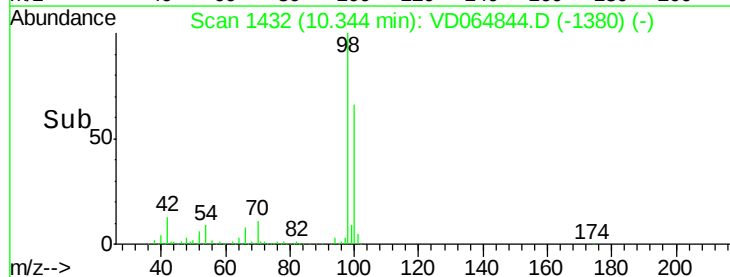
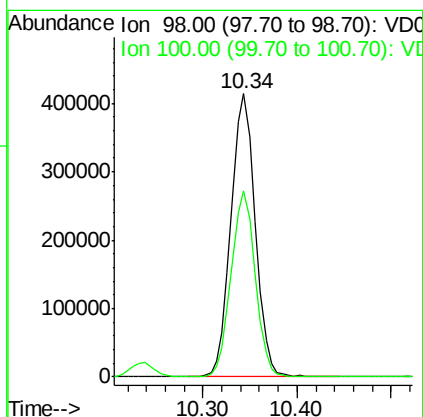
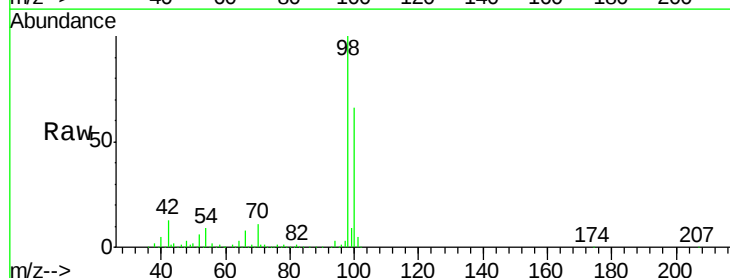
Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

Tgt Ion: 88 Resp: 10669
Ion Ratio Lower Upper
88 100
43 38.4 27.7 41.5
58 64.8 53.8 80.6



#50
Toluene-d8
Concen: 56.687 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion: 98 Resp: 745226
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5

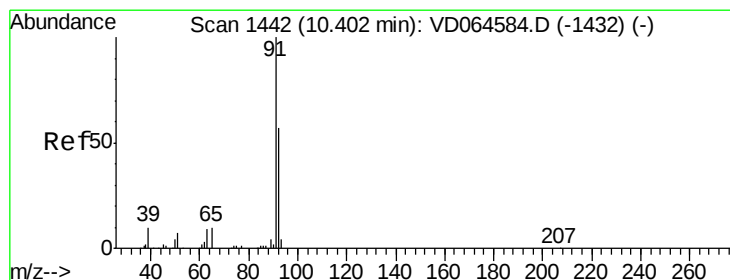
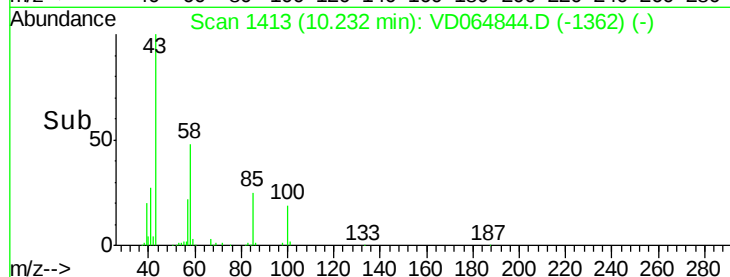
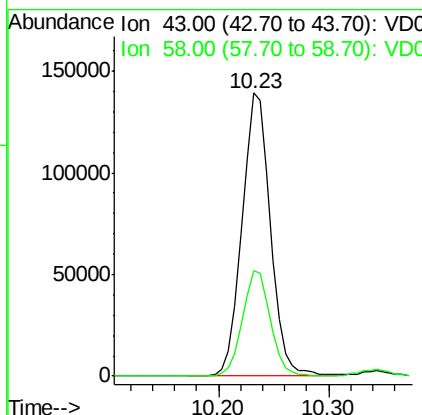
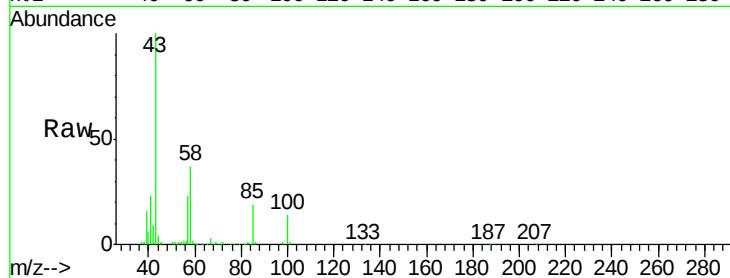




#51
 4-Methyl-2-Pentanone
 Concen: 121.117 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

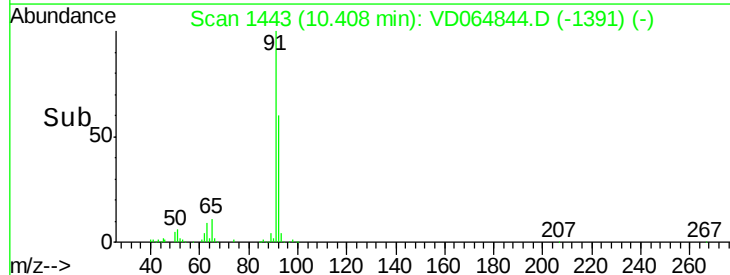
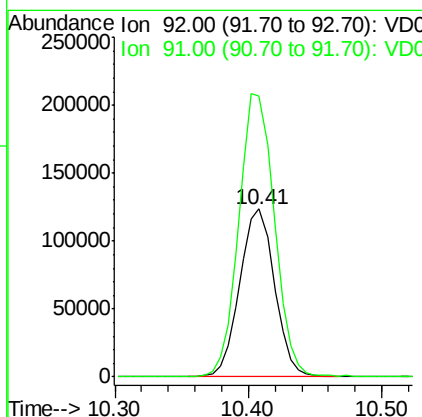
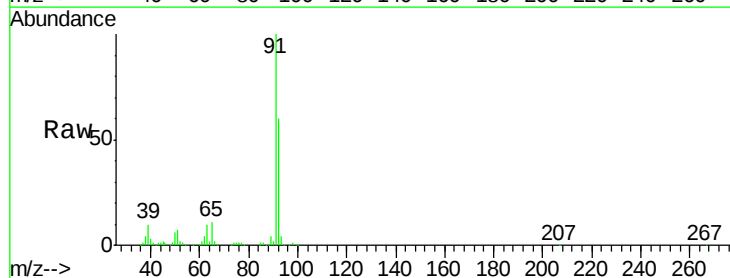
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

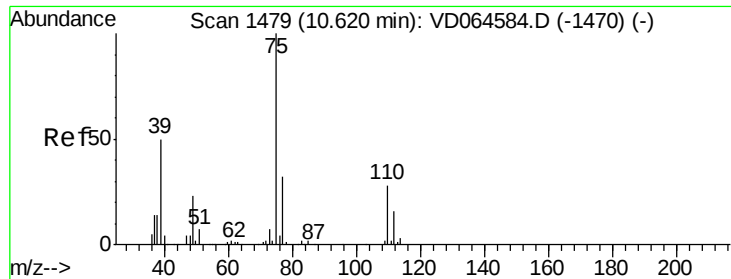
Tgt Ion: 43 Resp: 252080
 Ion Ratio Lower Upper
 43 100
 58 36.7 30.2 45.2



#52
 Toluene
 Concen: 23.174 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion: 92 Resp: 223505
 Ion Ratio Lower Upper
 92 100
 91 172.6 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 23.609 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

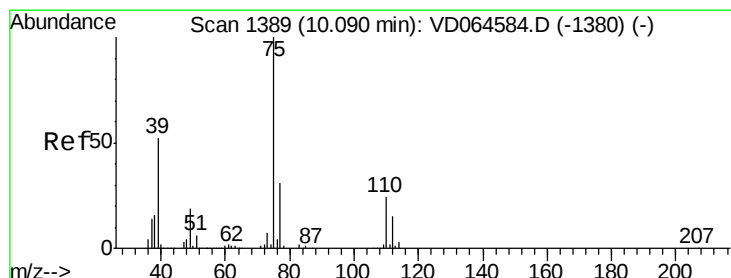
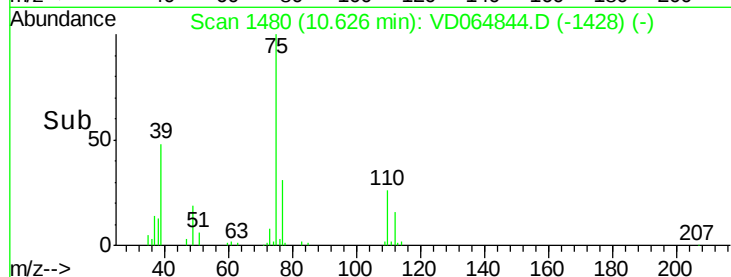
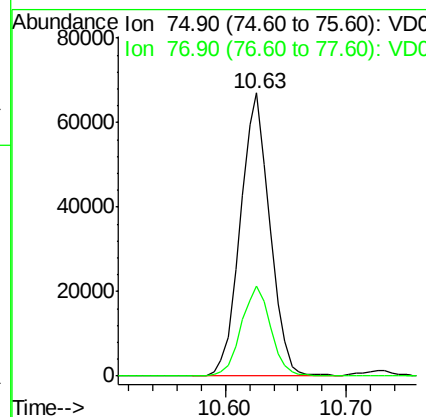
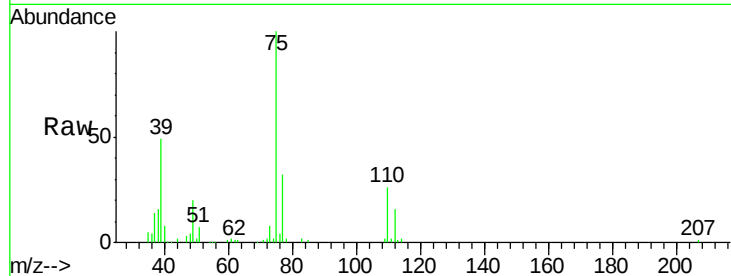
VD0113SBS01

Tgt Ion: 75 Resp: 114618

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 23.706 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

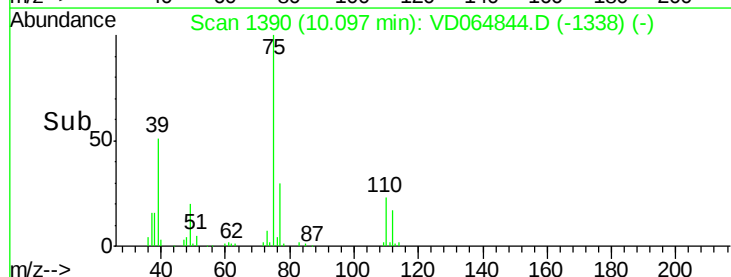
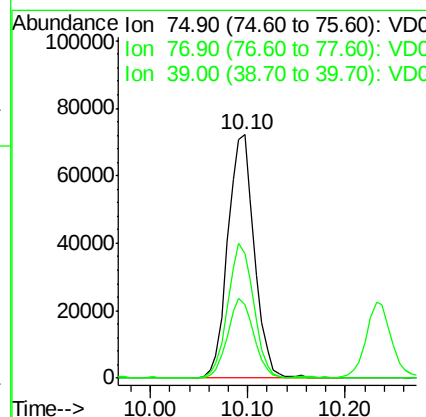
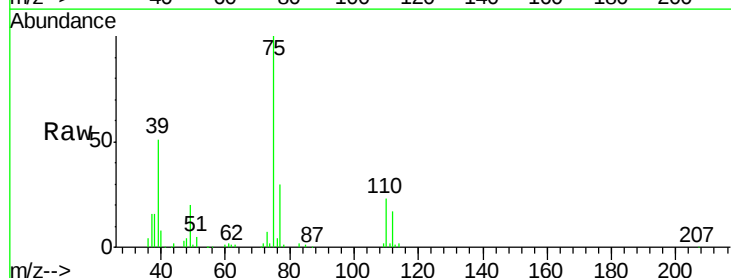
Tgt Ion: 75 Resp: 135706

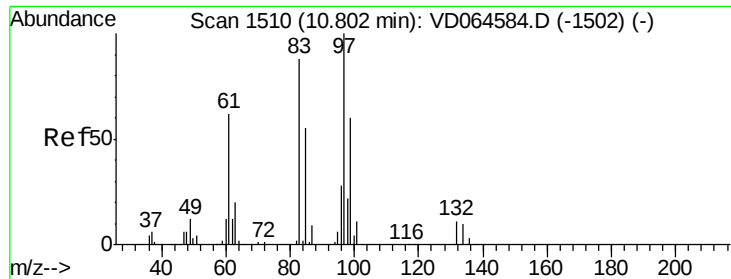
Ion Ratio Lower Upper

75 100

77 30.3 24.6 36.8

39 51.3 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 23.970 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

Tgt Ion: 97 Resp: 63216

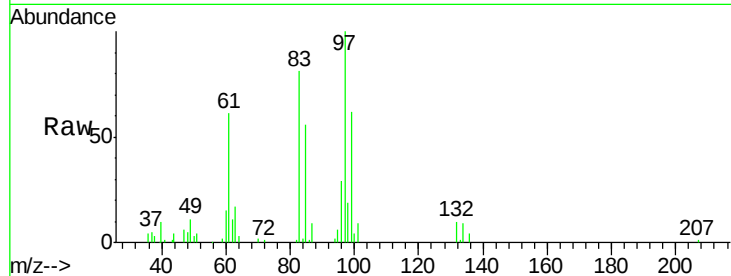
Ion Ratio Lower Upper

97 100

83 81.5 70.2 105.4

85 55.9 44.0 66.0

99 62.0 47.8 71.6



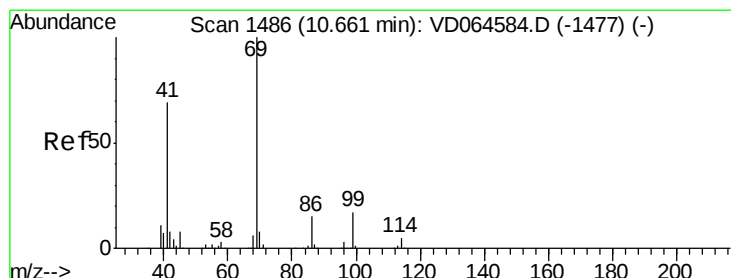
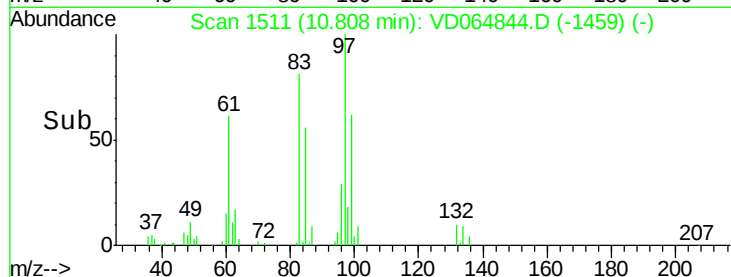
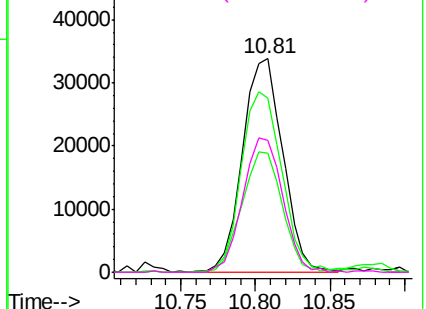
Abundance

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: 22.178 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

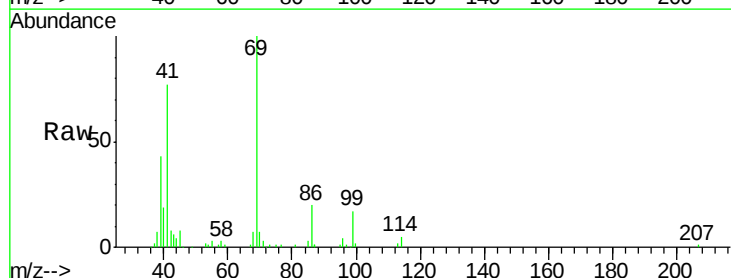
Tgt Ion: 69 Resp: 73046

Ion Ratio Lower Upper

69 100

41 72.9 55.3 82.9

39 41.9 33.8 50.8

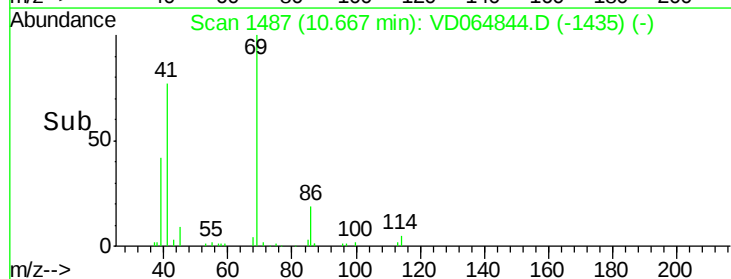
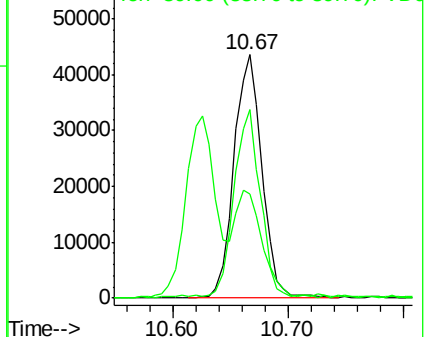


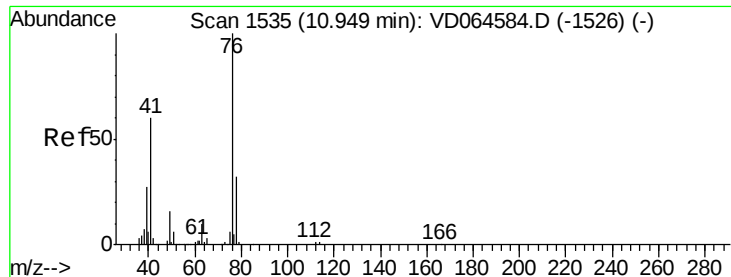
Abundance

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: 23.752 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

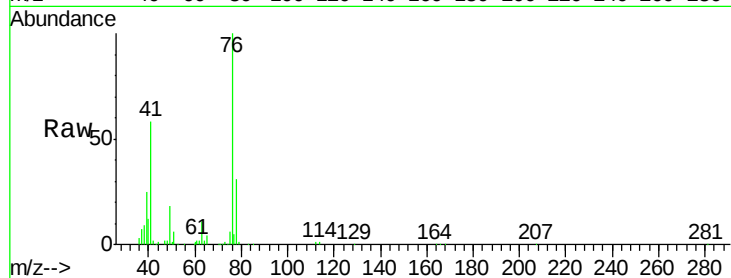
VD0113SBSD01

Tgt Ion: 76 Resp: 107854

Ion Ratio Lower Upper

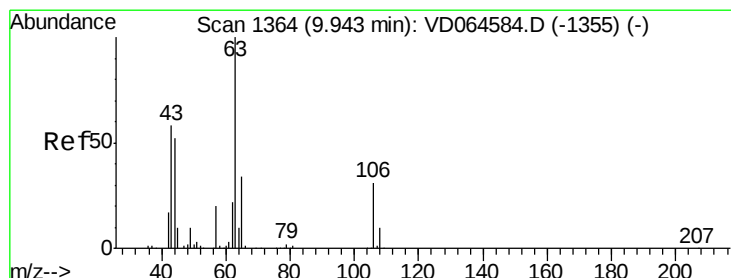
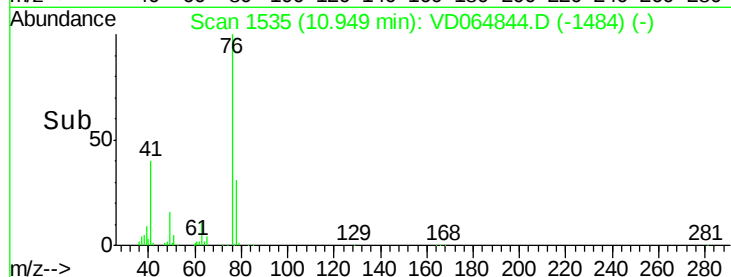
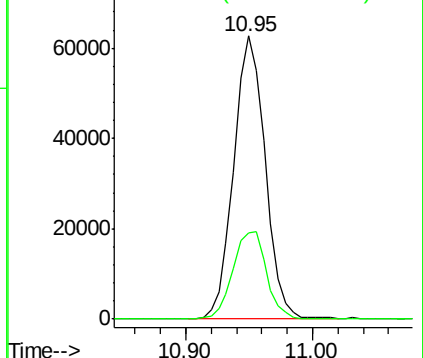
76 100

78 33.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 127.131 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064844.D

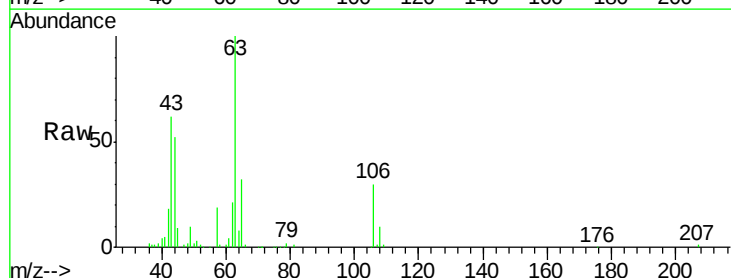
Acq: 13 Jan 2020 12:42

Tgt Ion: 63 Resp: 159529

Ion Ratio Lower Upper

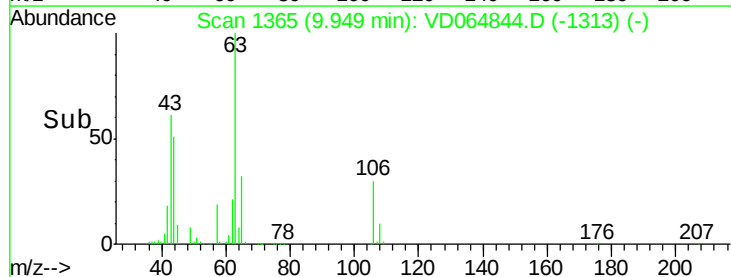
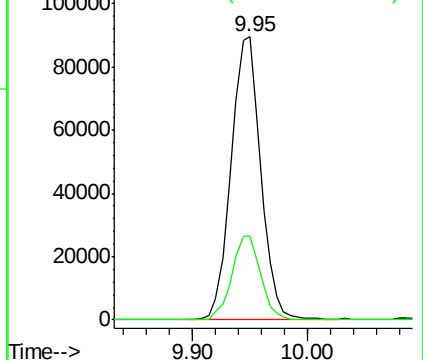
63 100

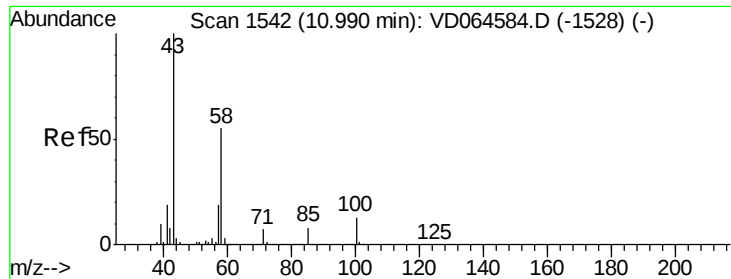
106 28.8 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

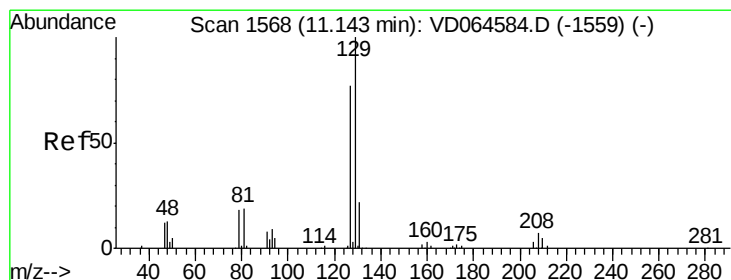
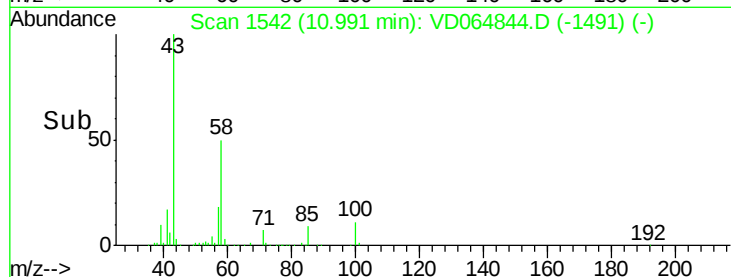
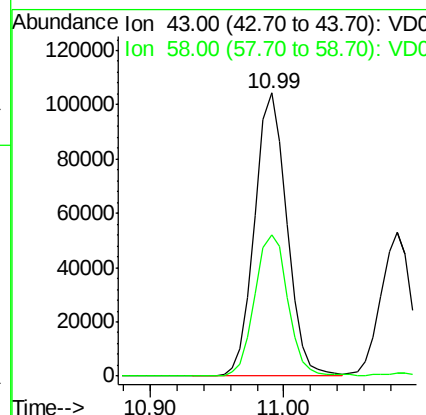
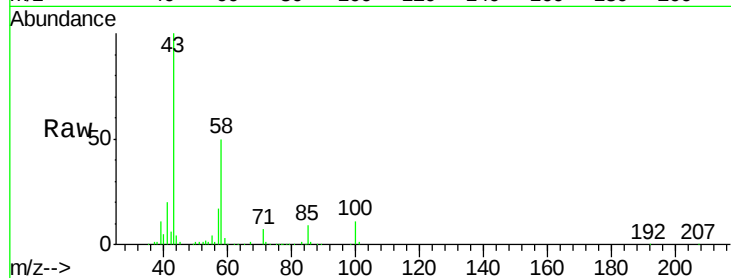




#59
2-Hexanone
Concen: 123.196 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

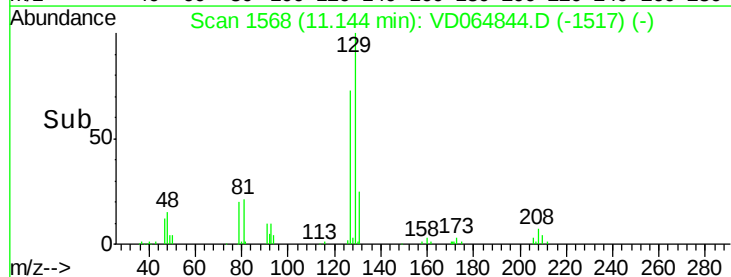
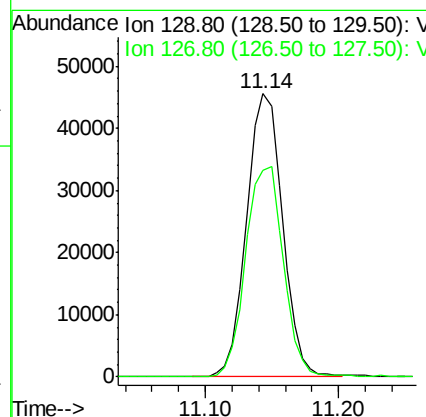
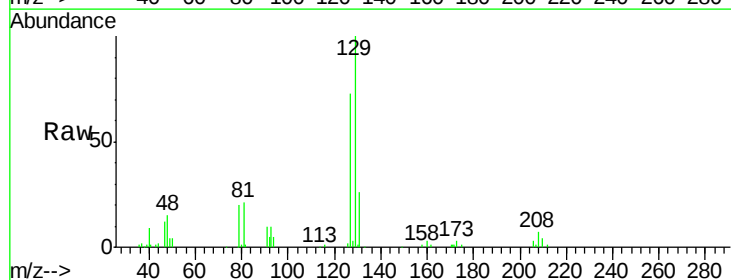
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

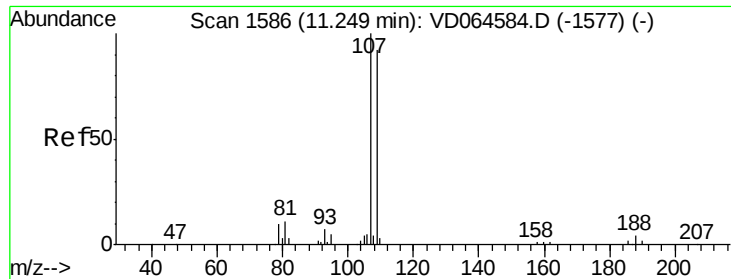
Tgt Ion: 43 Resp: 174029
Ion Ratio Lower Upper
43 100
58 51.5 26.4 79.0



#60
Dibromochloromethane
Concen: 23.234 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion: 129 Resp: 84736
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.2

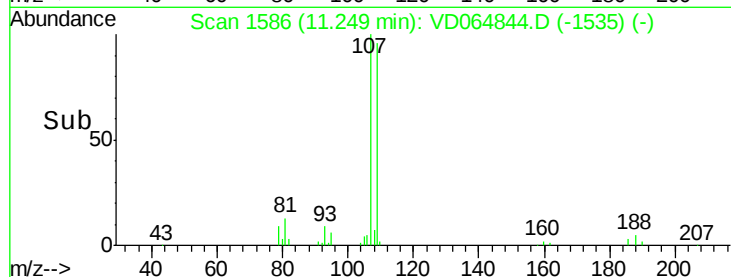
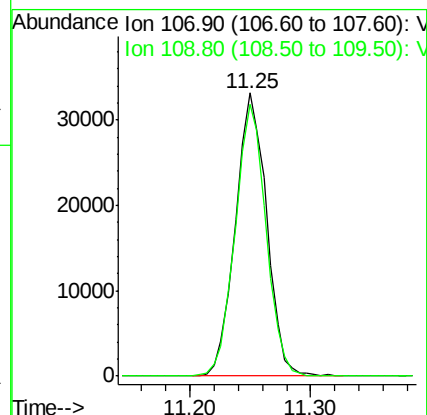
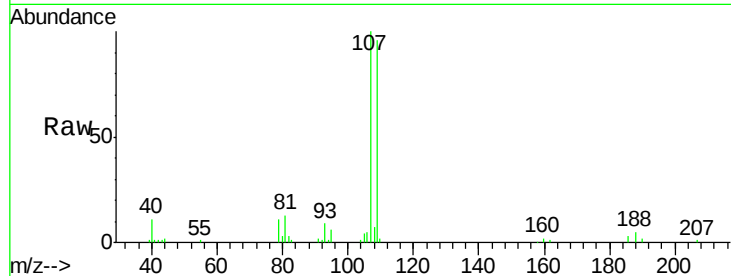




#61
 1,2-Dibromoethane
 Concen: 22.979 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

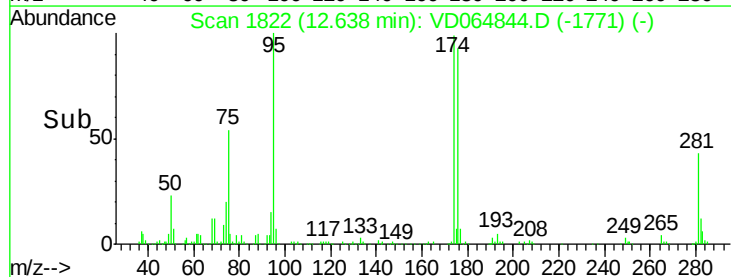
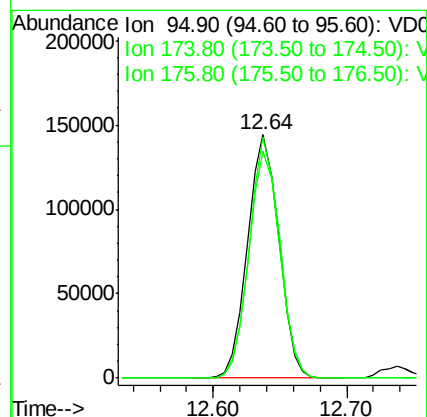
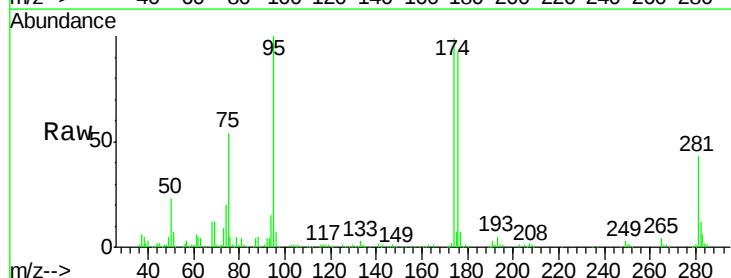
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

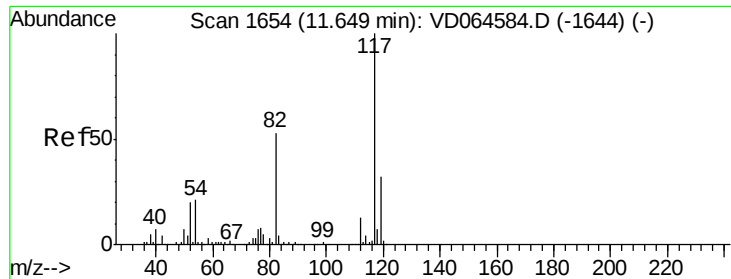
Tgt Ion: 107 Resp: 59774
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 56.278 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion: 95 Resp: 233949
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 193.2
 176 92.3 0.0 184.2

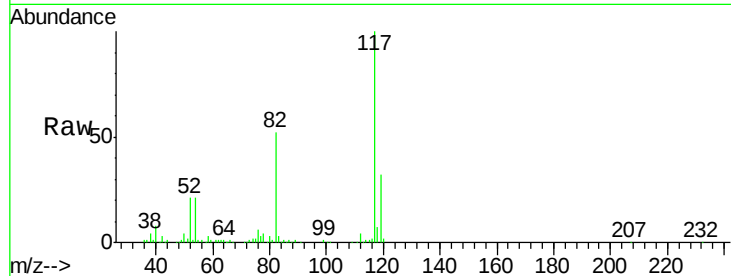




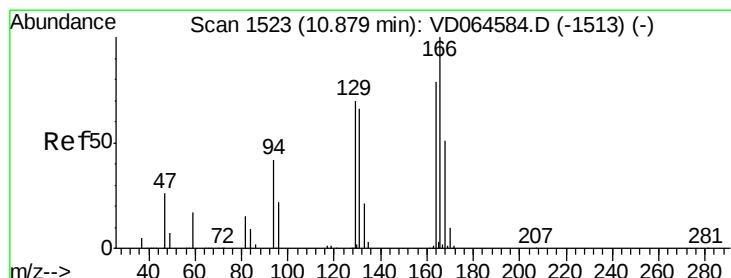
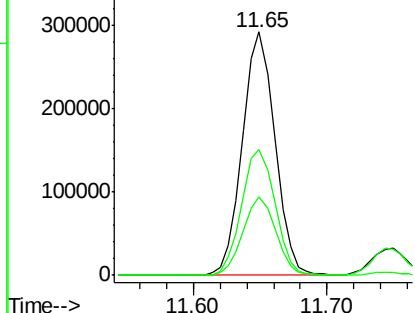
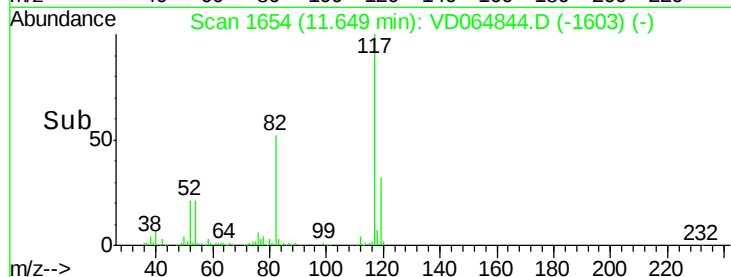
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tgt Ion:117 Resp: 495048
Ion Ratio Lower Upper
117 100
82 51.6 42.2 63.4
119 32.5 26.0 39.0

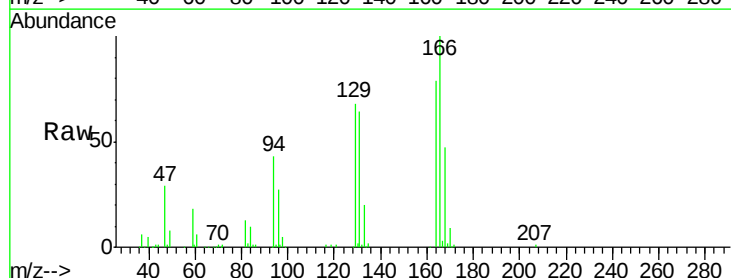


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

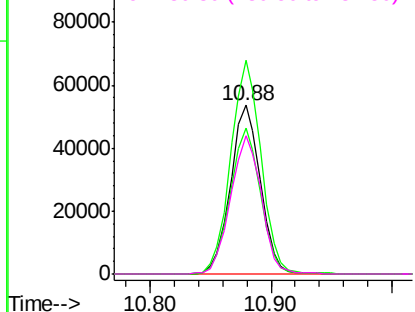
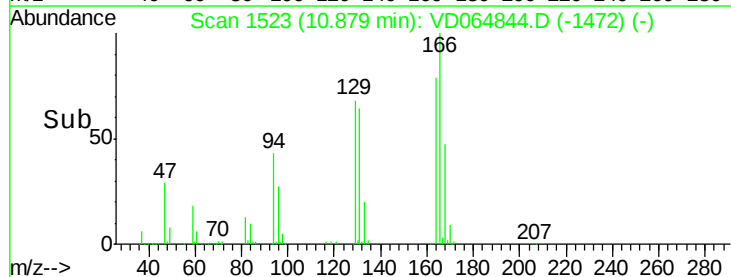


#64
Tetrachloroethene
Concen: 24.314 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion:164 Resp: 92343
Ion Ratio Lower Upper
164 100
166 126.6 101.3 151.9
129 86.4 70.5 105.7
131 81.6 66.6 99.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

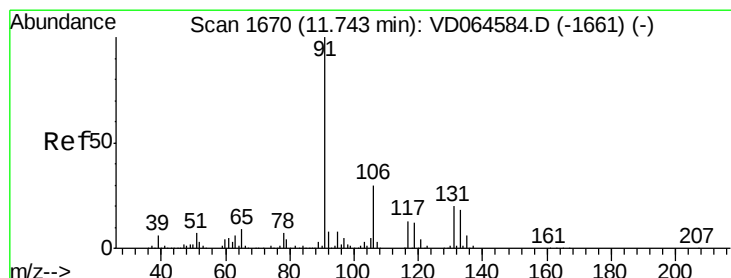
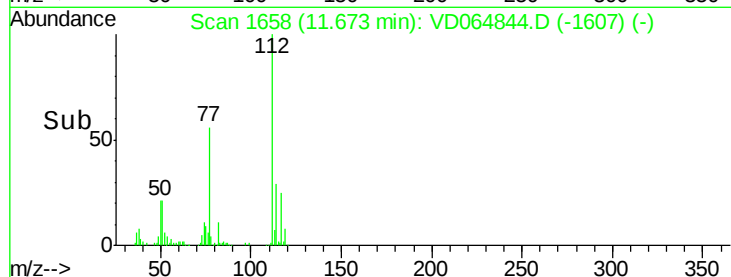
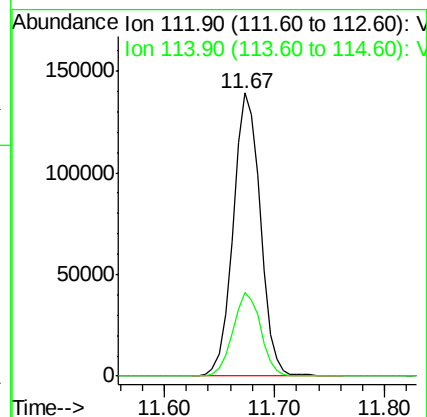
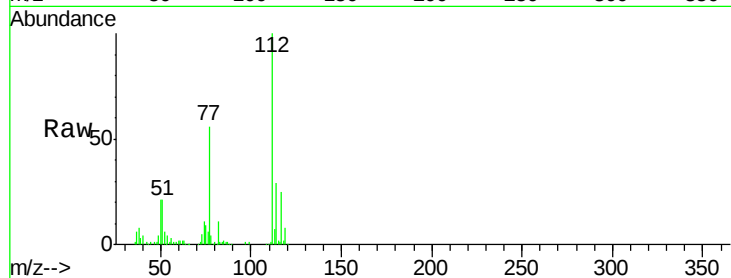




#65
Chlorobenzene
Concen: 23.370 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

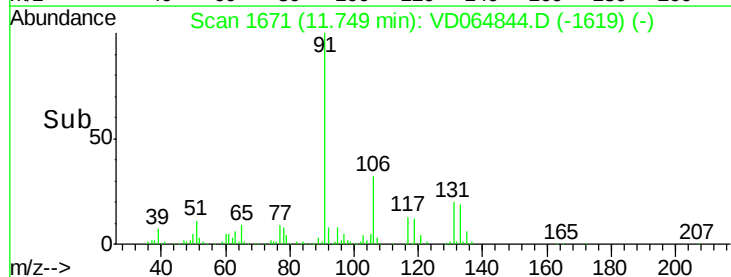
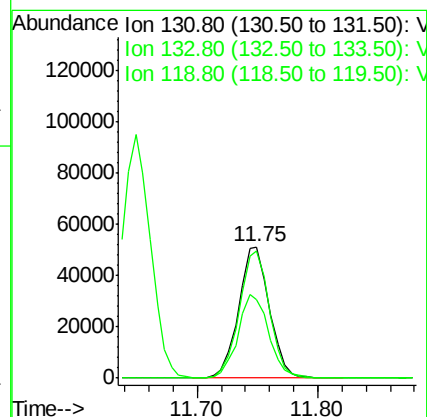
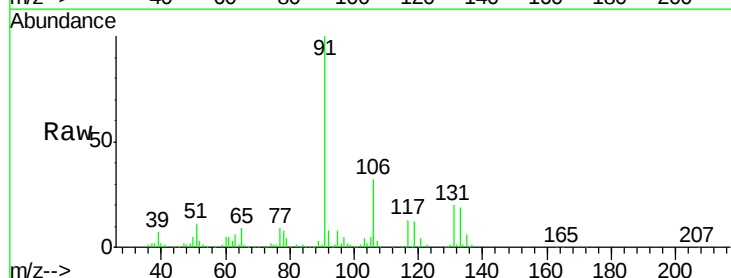
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tgt Ion:112 Resp: 240122
Ion Ratio Lower Upper
112 100
114 29.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 23.516 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion:131 Resp: 91088
Ion Ratio Lower Upper
131 100
133 95.8 48.3 144.8
119 63.8 32.1 96.3





#67

Ethyl Benzene

Concen: 22.840 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

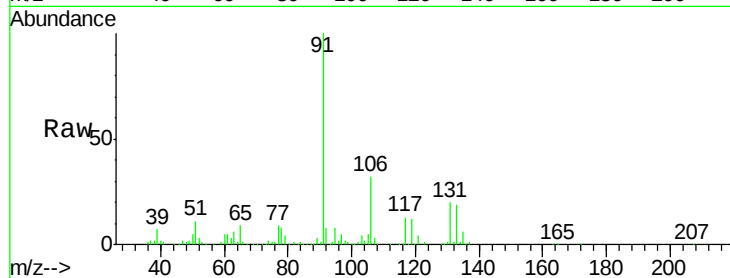
VD0113SBSD01

Tgt Ion: 91 Resp: 425947

Ion Ratio Lower Upper

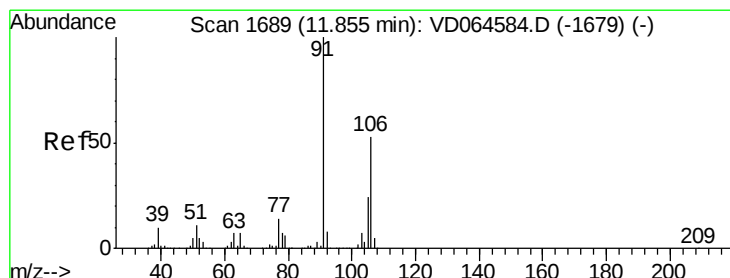
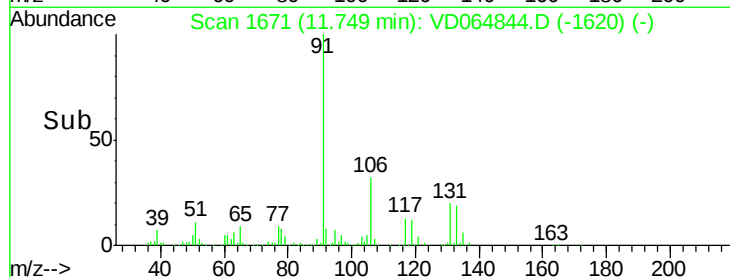
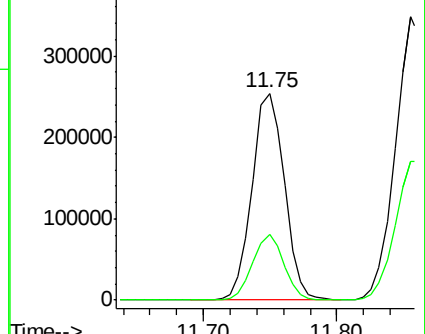
91 100

106 31.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.213 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064844.D

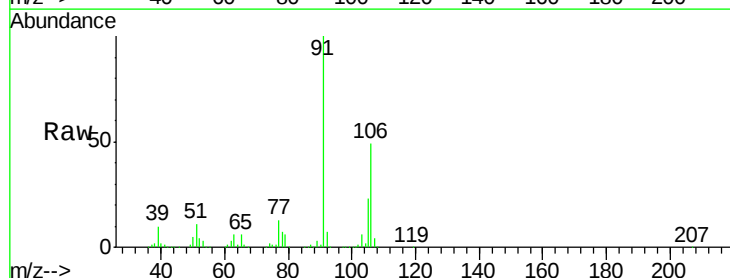
Acq: 13 Jan 2020 12:42

Tgt Ion: 106 Resp: 325451

Ion Ratio Lower Upper

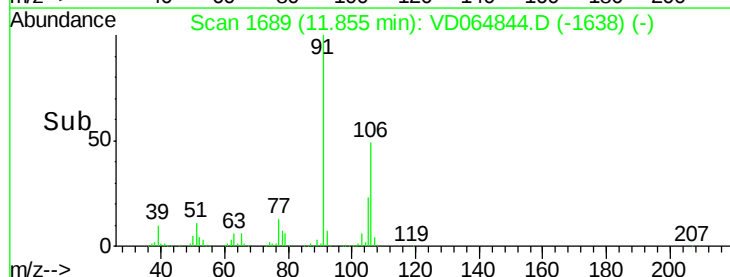
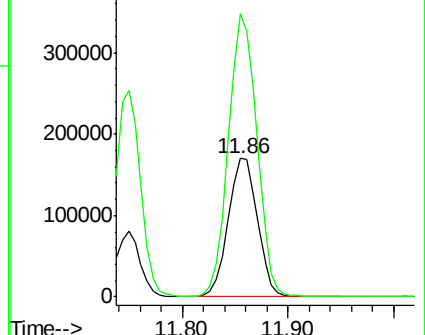
106 100

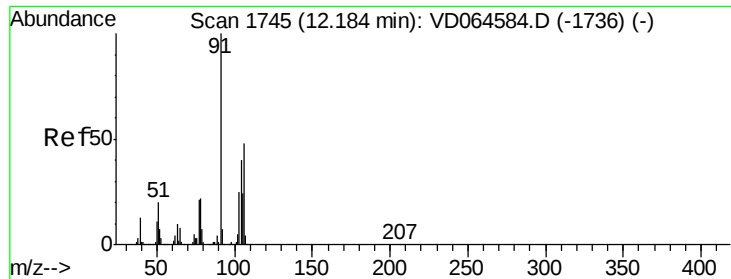
91 198.9 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

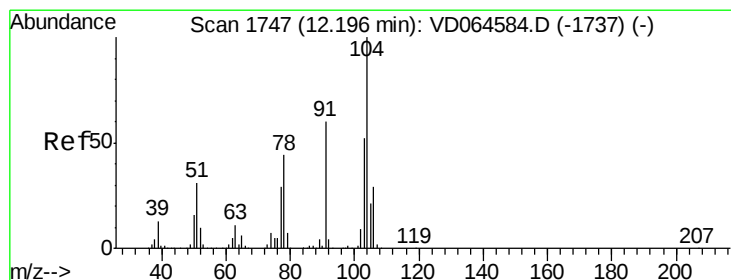
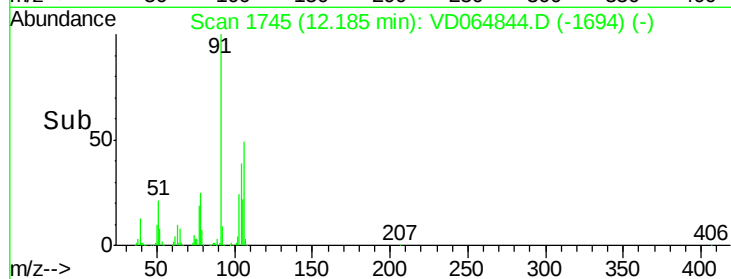
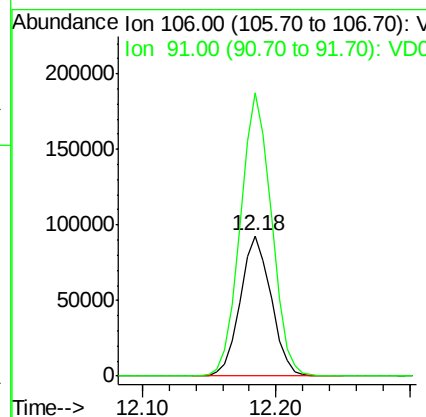
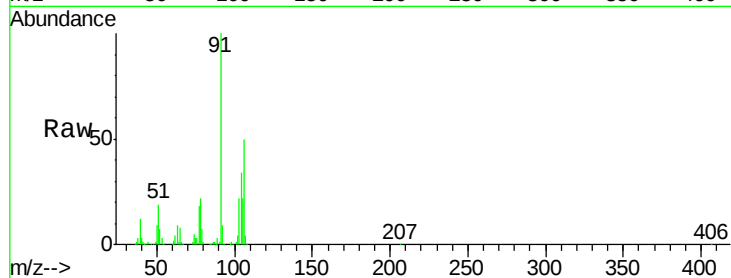




#69
o-Xylene
Concen: 22.846 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

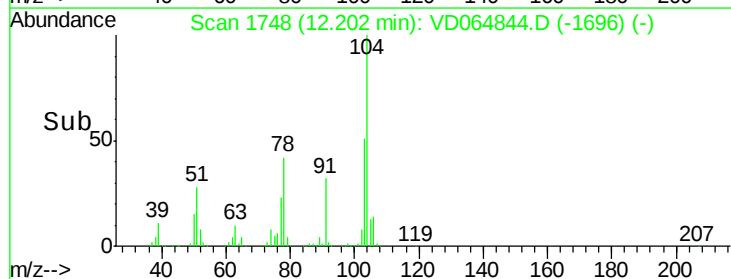
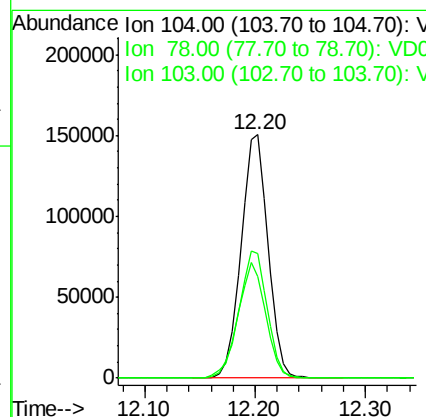
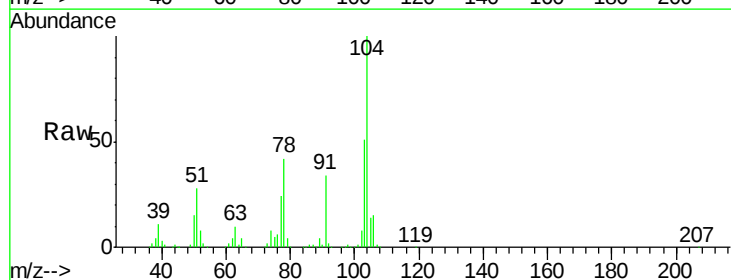
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

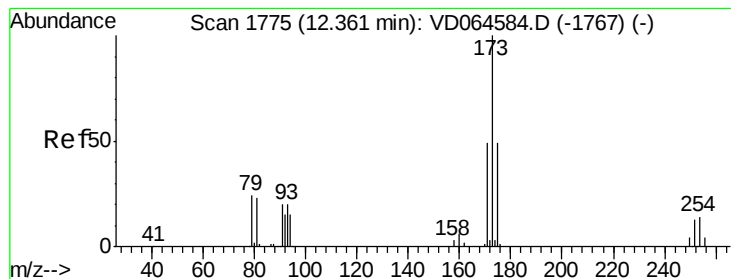
Tgt Ion:106 Resp: 148536
Ion Ratio Lower Upper
106 100
91 203.4 104.8 314.4



#70
Styrene
Concen: 22.630 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064844.D
Acq: 13 Jan 2020 12:42

Tgt Ion:104 Resp: 258266
Ion Ratio Lower Upper
104 100
78 48.6 38.2 57.2
103 54.9 44.6 67.0





#71

Bromoform

Concen: 24.096 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

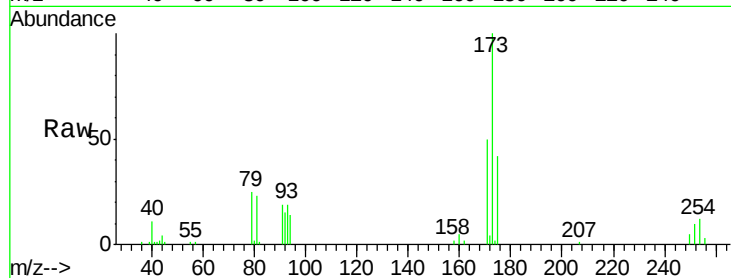
Tgt Ion:173 Resp: 53225

Ion Ratio Lower Upper

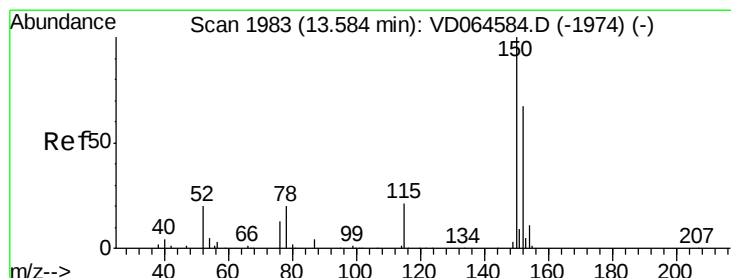
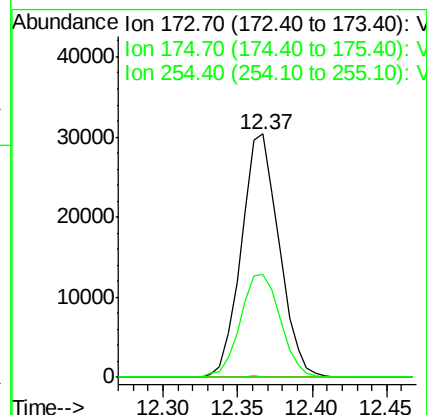
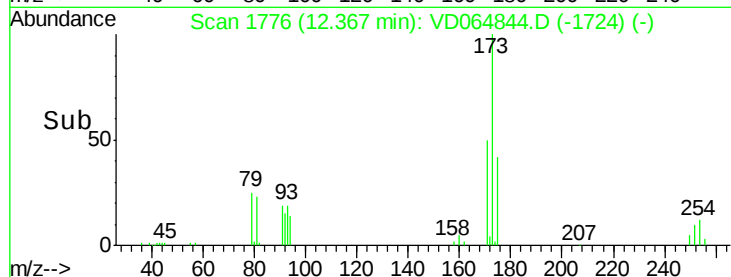
173 100

175 45.1 24.6 73.8

254 0.1 0.1 0.1



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: VD064844.D

Acq: 13 Jan 2020 12:42

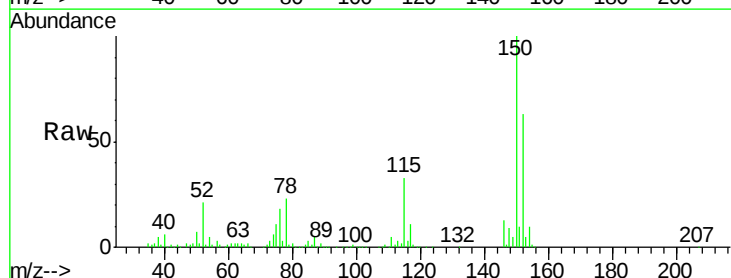
Tgt Ion:152 Resp: 238959

Ion Ratio Lower Upper

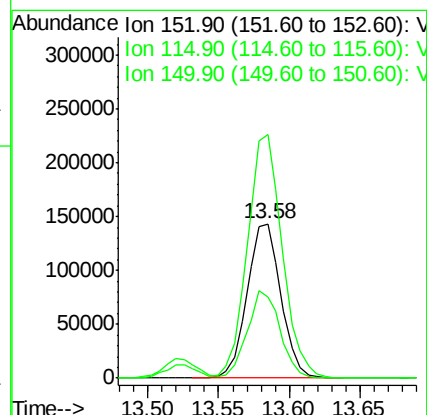
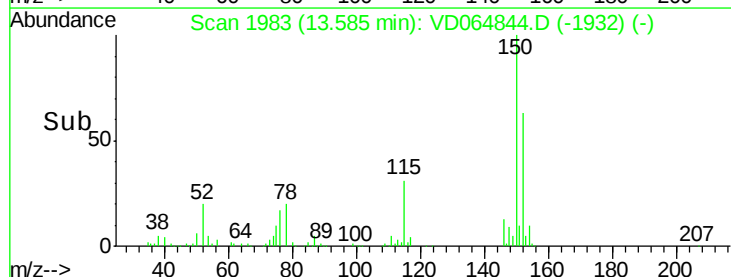
152 100

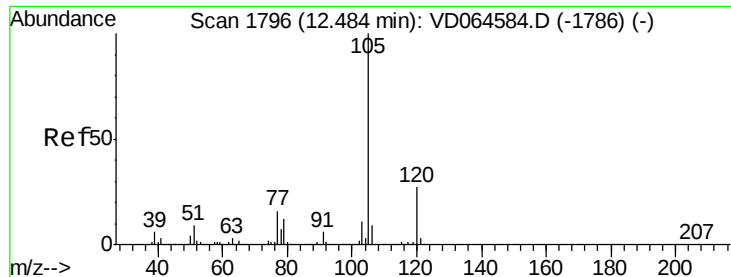
115 55.0 27.8 83.4

150 164.1 0.0 351.4



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: 23.635 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

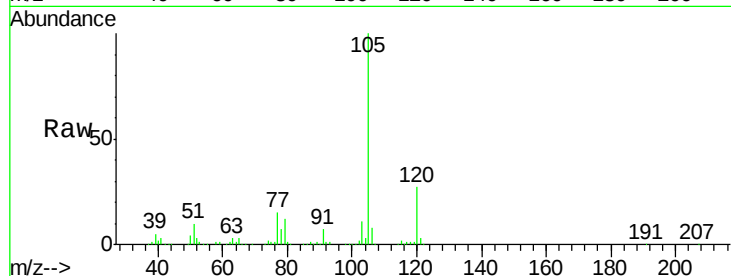
VD0113SBS01

Tgt Ion:105 Resp: 403606

Ion Ratio Lower Upper

105 100

120 25.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

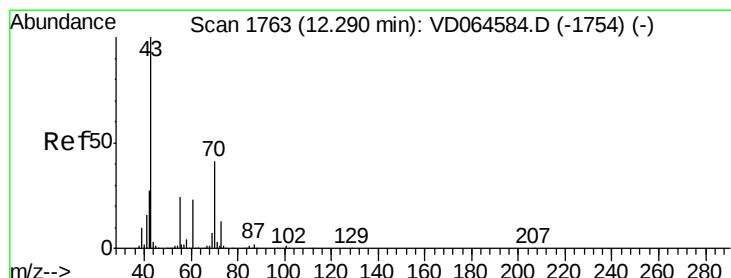
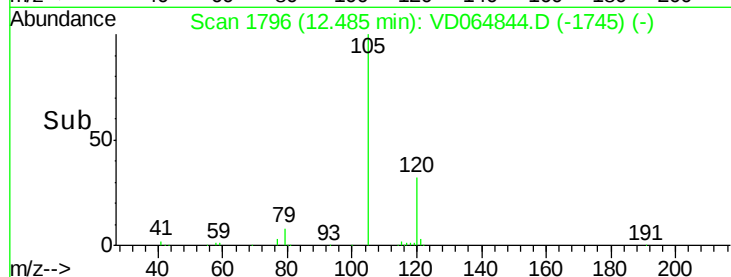
150000

100000

50000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 23.814 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Tgt Ion: 43 Resp: 86930

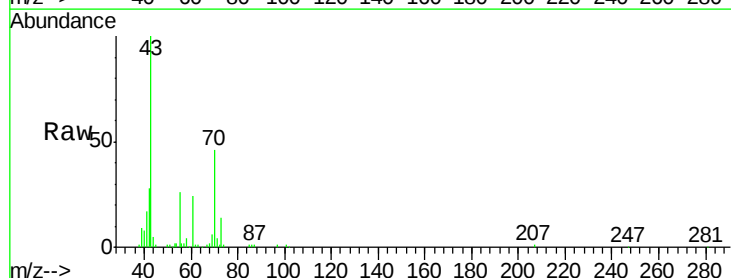
Ion Ratio Lower Upper

43 100

70 42.9 33.4 50.0

55 26.7 19.4 29.0

61 23.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

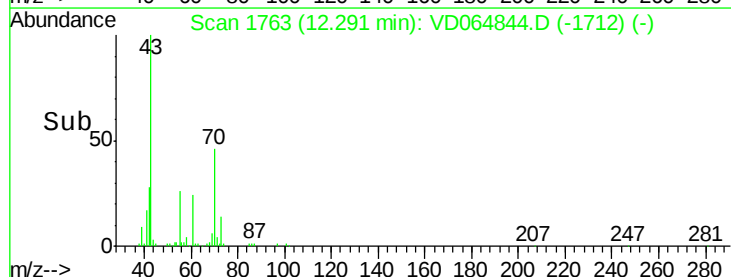
60000

40000

20000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 24.618 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

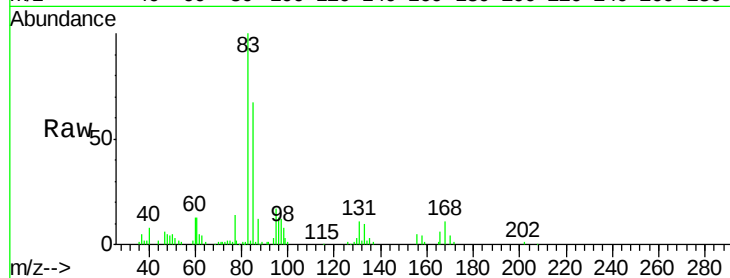
Tgt Ion: 83 Resp: 66040

Ion Ratio Lower Upper

83 100

131 10.8 5.8 17.4

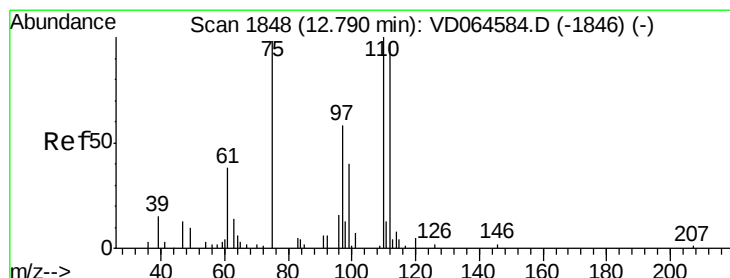
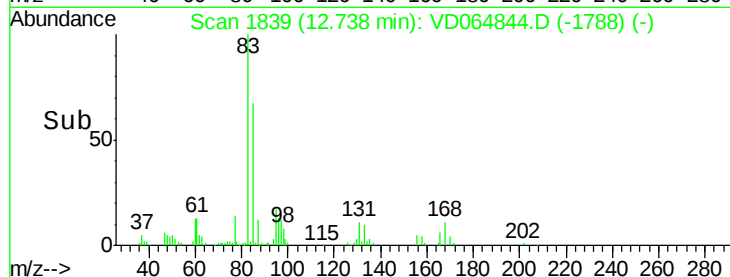
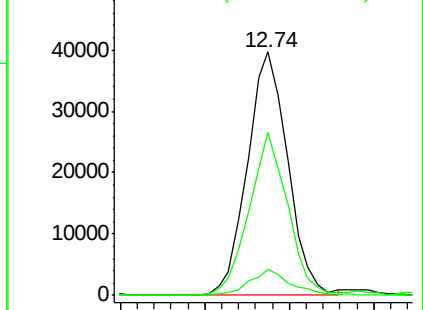
85 64.2 32.3 96.9



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: 45.564 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064844.D

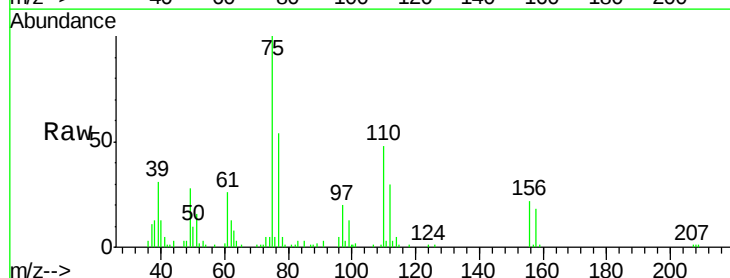
Acq: 13 Jan 2020 12:42

Tgt Ion: 75 Resp: 85978

Ion Ratio Lower Upper

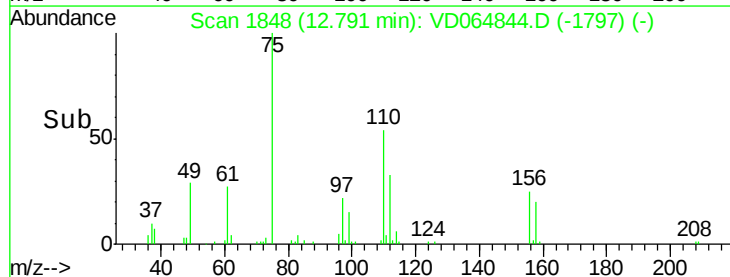
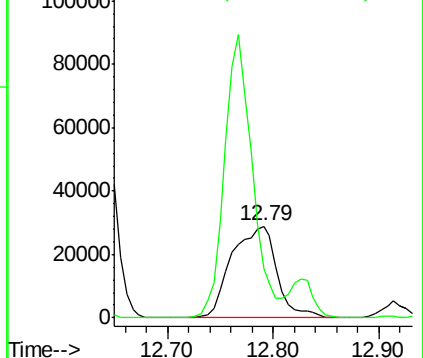
75 100

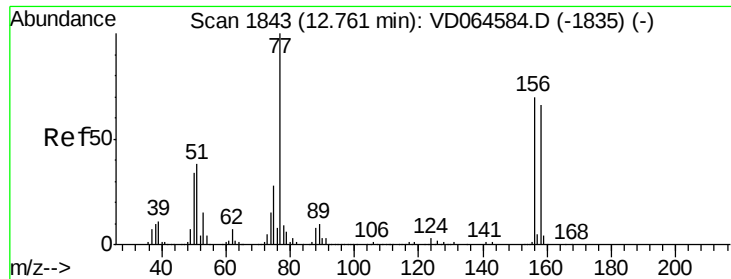
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.892 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

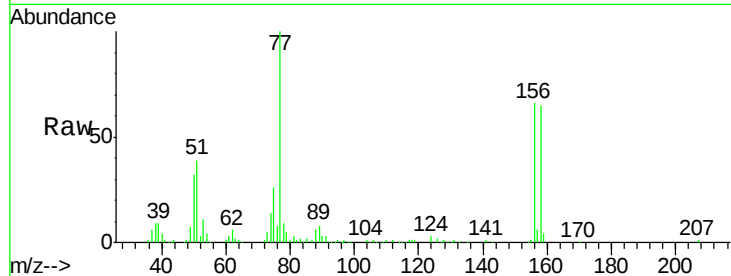
Tgt Ion:156 Resp: 96055

Ion Ratio Lower Upper

156 100

77 170.9 80.9 242.7

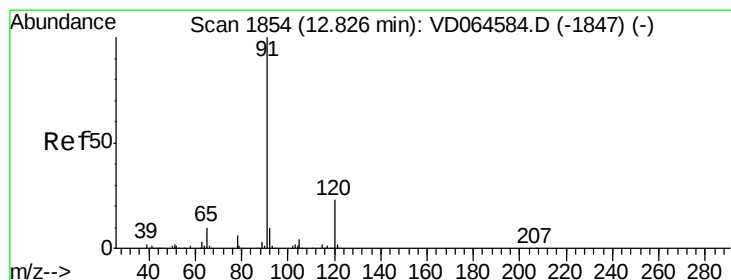
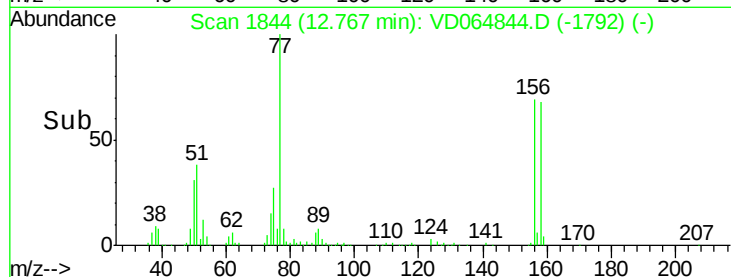
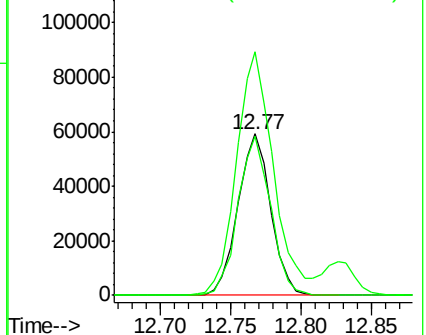
158 98.3 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.823 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064844.D

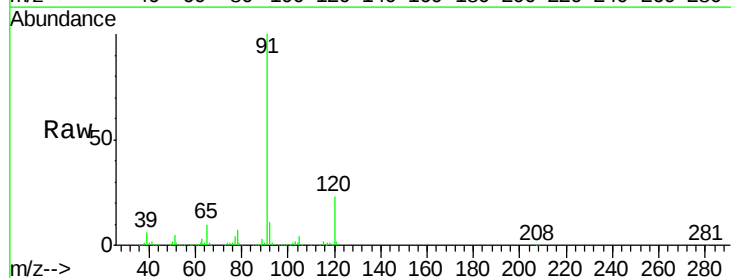
Acq: 13 Jan 2020 12:42

Tgt Ion: 91 Resp: 474605

Ion Ratio Lower Upper

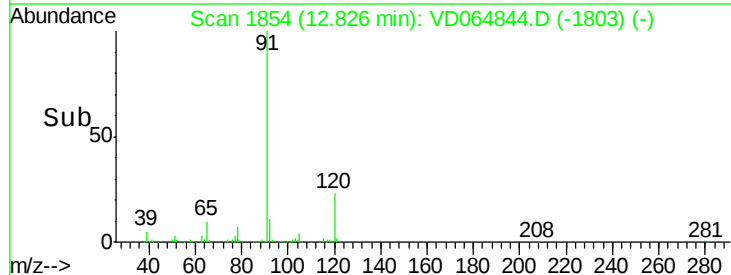
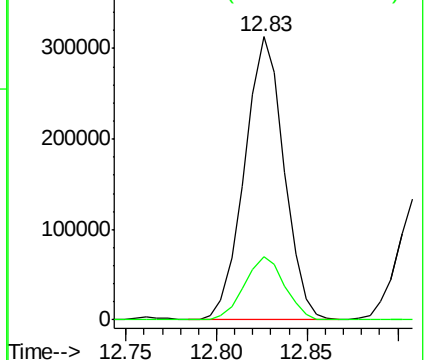
91 100

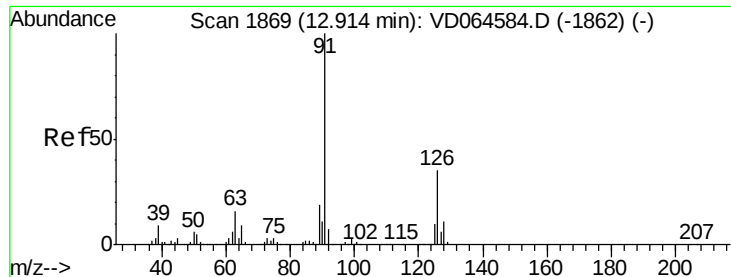
120 22.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.547 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

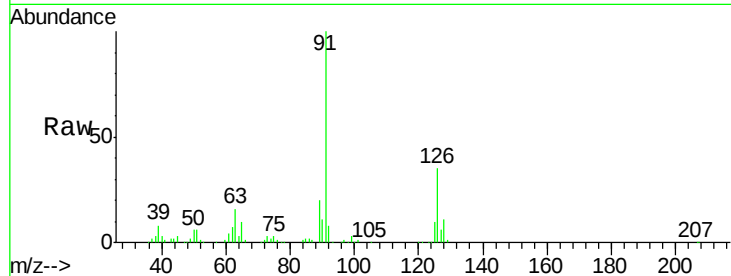
VD0113SBSD01

Tgt Ion: 91 Resp: 257699

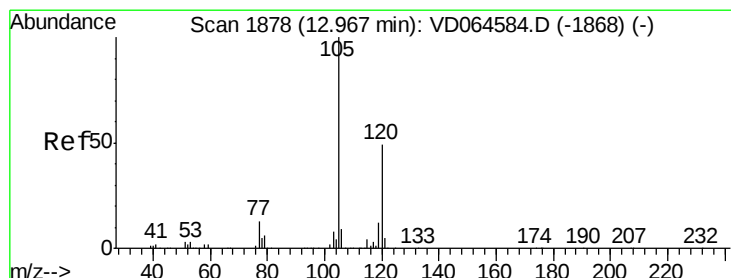
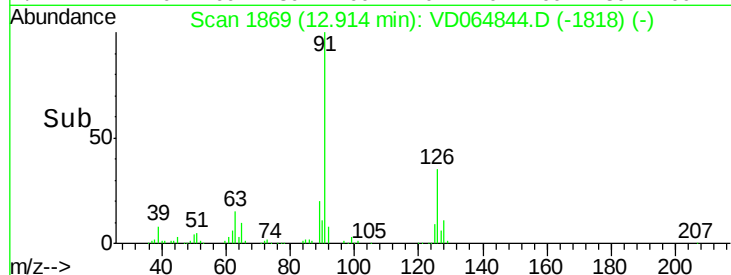
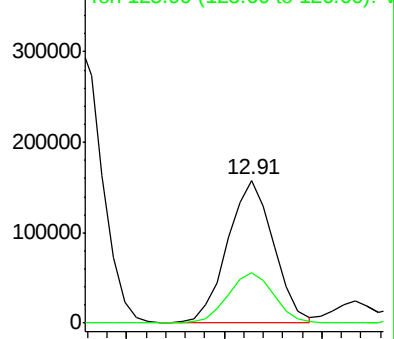
Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.389 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064844.D

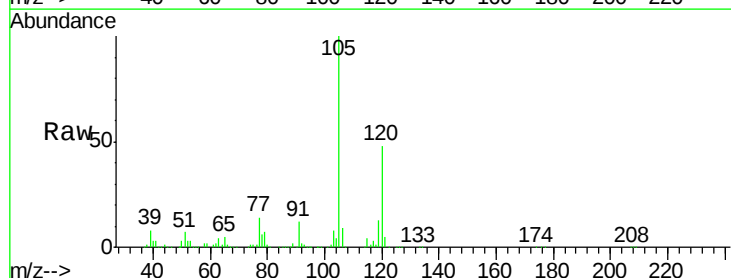
Acq: 13 Jan 2020 12:42

Tgt Ion: 105 Resp: 328091

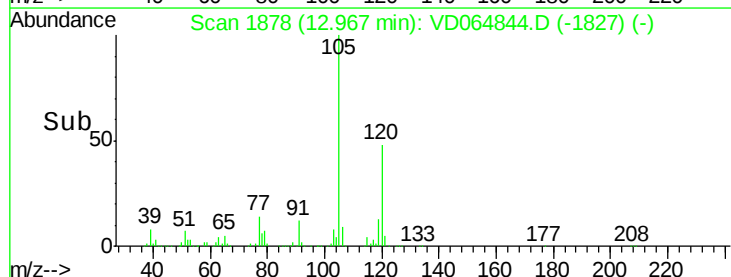
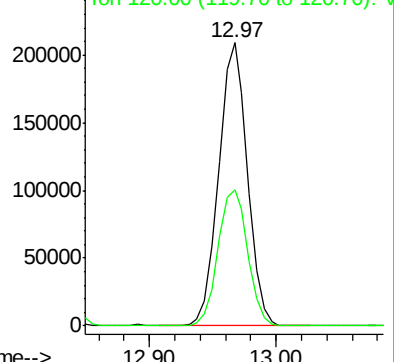
Ion Ratio Lower Upper

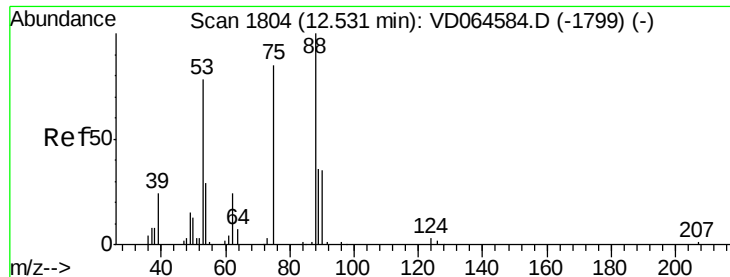
105 100

120 50.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 24.486 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

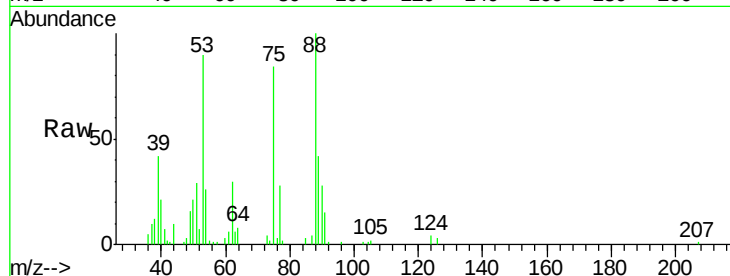
Tgt Ion: 75 Resp: 22092

Ion Ratio Lower Upper

75 100

53 105.9 78.8 118.2

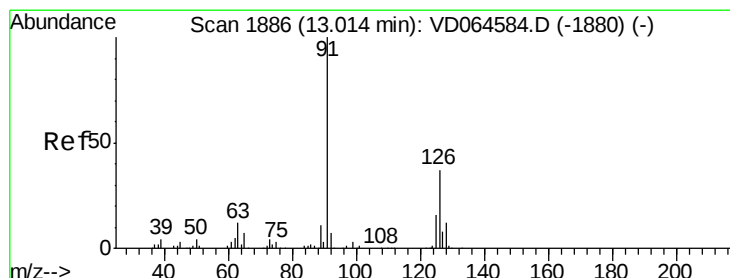
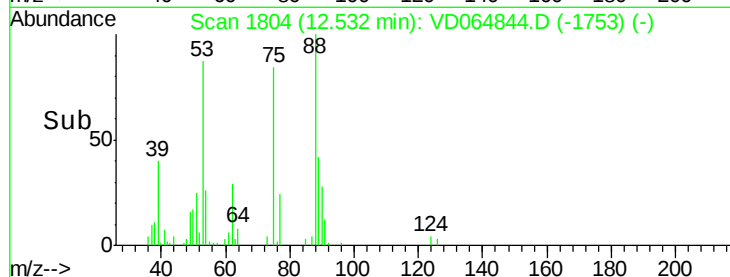
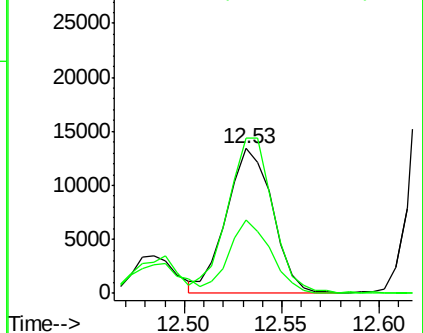
89 45.8 38.3 57.5



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: 23.525 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064844.D

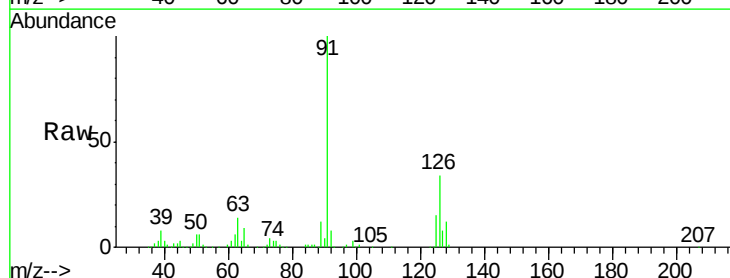
Acq: 13 Jan 2020 12:42

Tgt Ion: 91 Resp: 273978

Ion Ratio Lower Upper

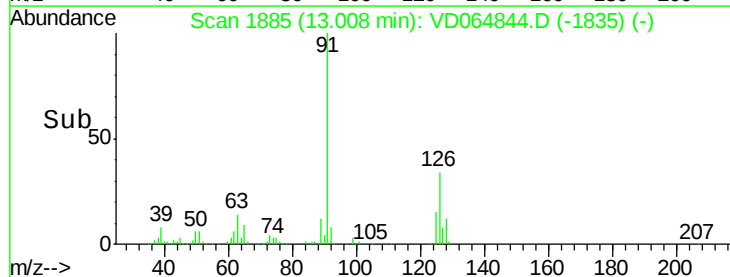
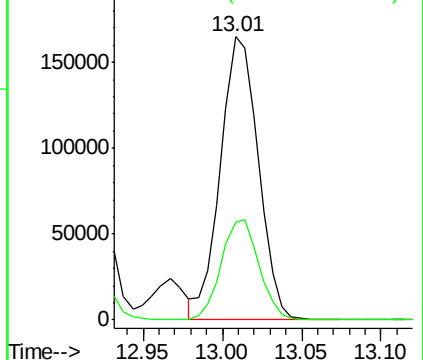
91 100

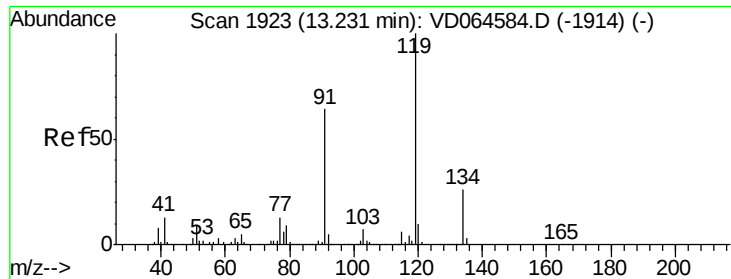
126 35.4 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

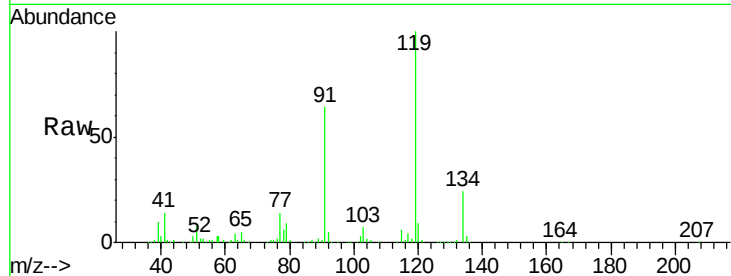




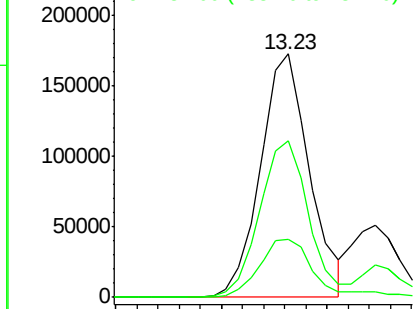
#83
 tert-Butylbenzene
 Concen: 22.836 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

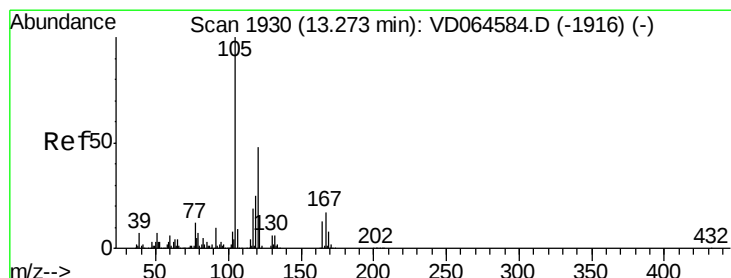
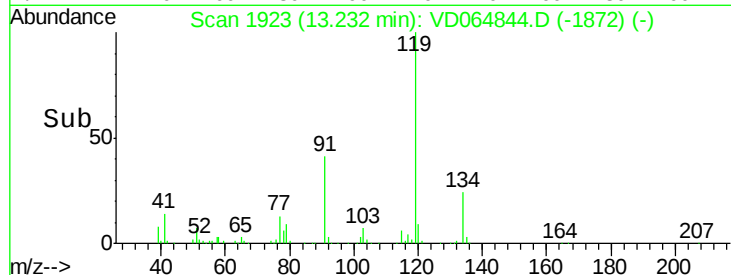
Tgt Ion:119 Resp: 278124
 Ion Ratio Lower Upper
 119 100
 91 63.6 30.8 92.4
 134 27.0 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

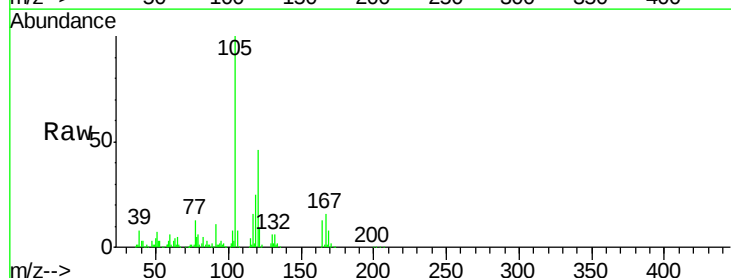


Time--> 13.15 13.20 13.25

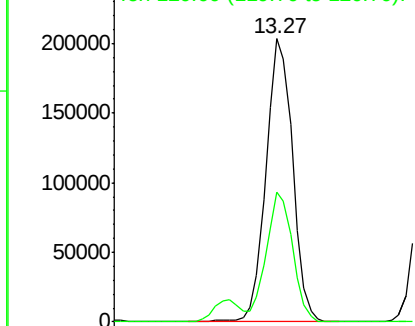


#84
 1,2,4-Trimethylbenzene
 Concen: 23.502 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

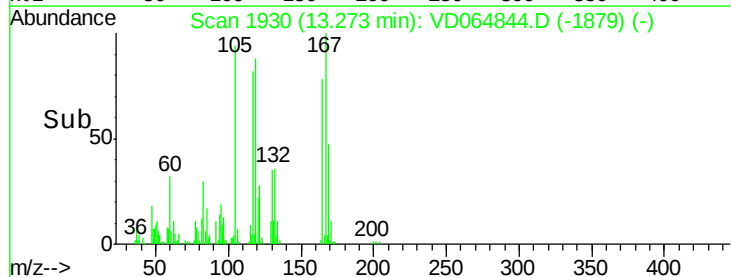
Tgt Ion:105 Resp: 328332
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.8 71.2

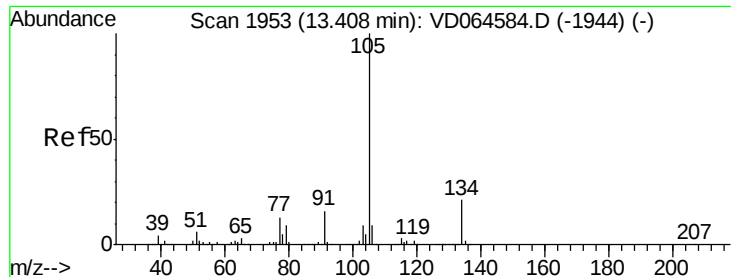


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



Time--> 13.20 13.30

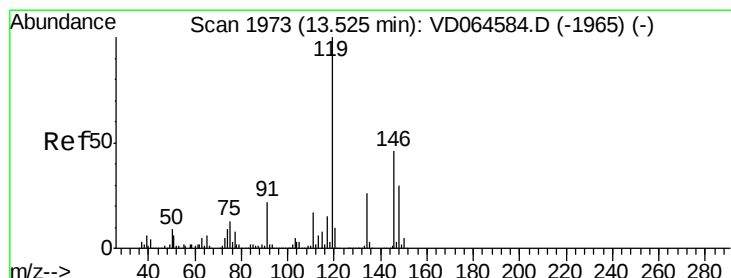
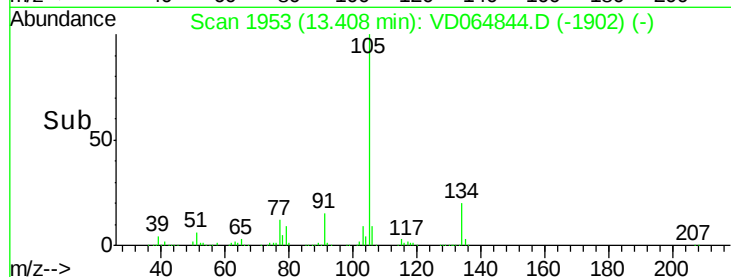
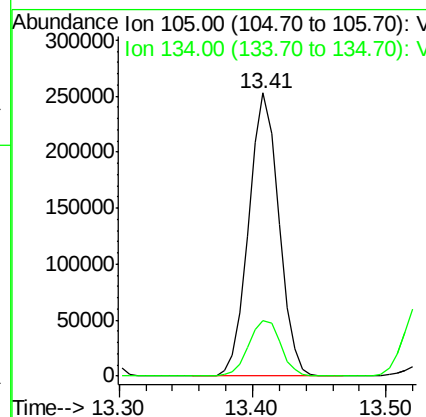
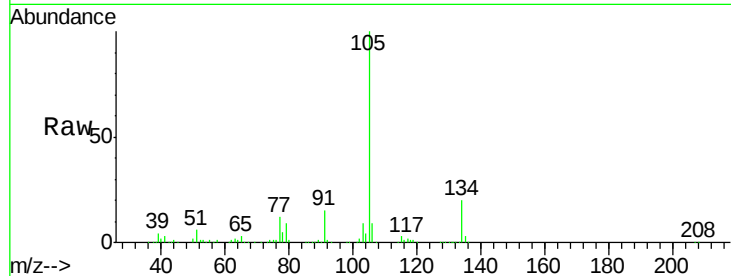




#85
 sec-Butylbenzene
 Concen: 23.508 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

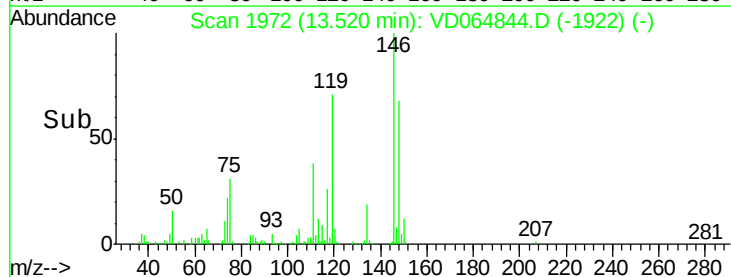
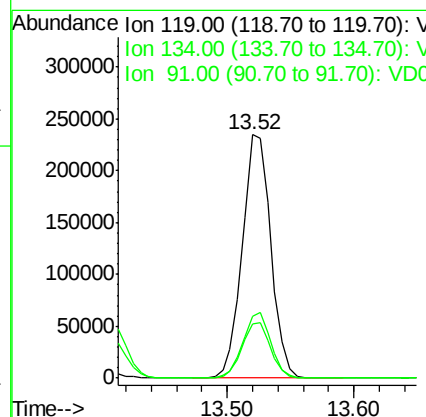
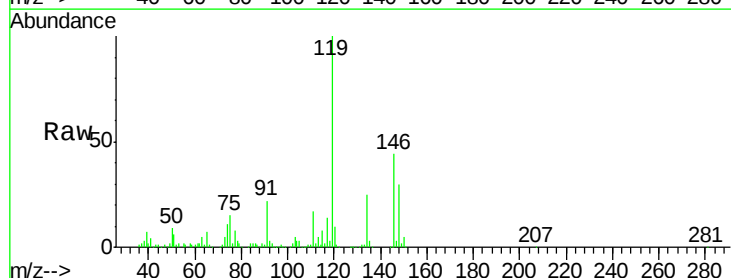
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

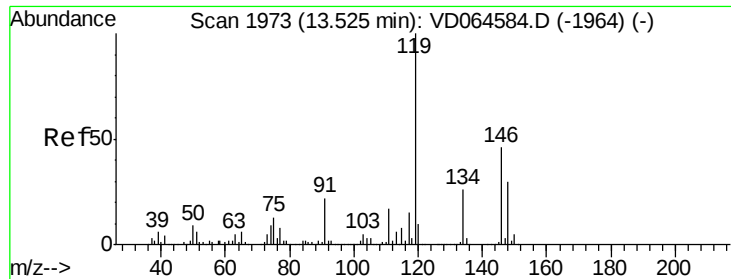
Tgt Ion:105 Resp: 392525
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 22.789 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion:119 Resp: 363850
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.4 40.1
 91 22.7 11.2 33.6

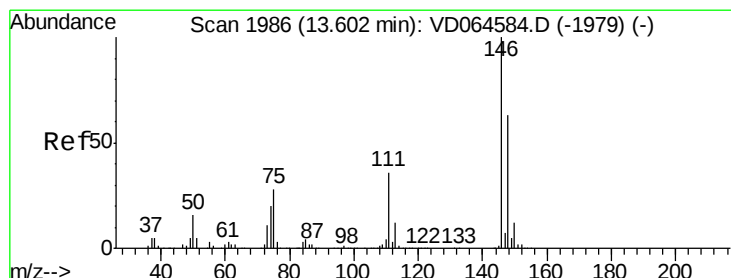
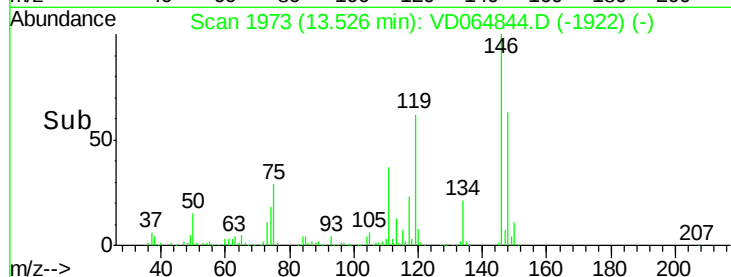
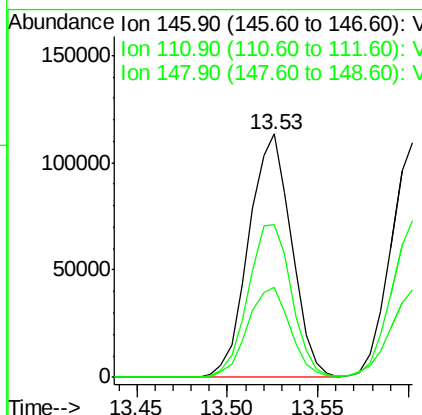
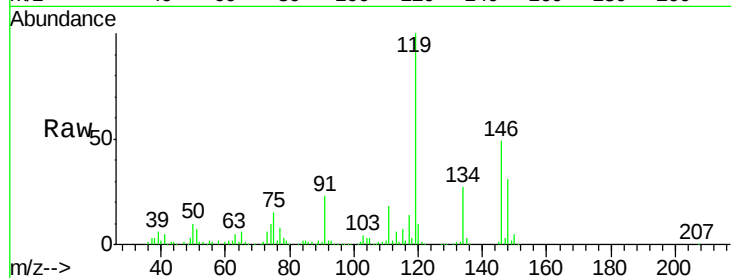




#87
 1,3-Dichlorobenzene
 Concen: 23.172 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

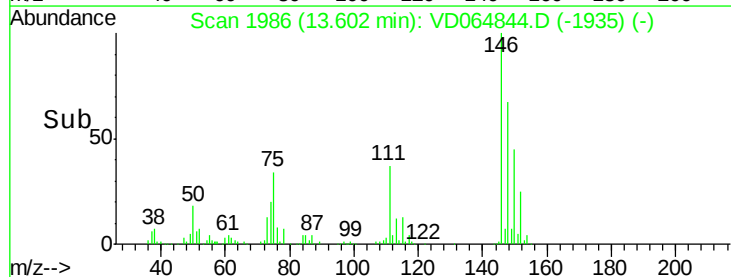
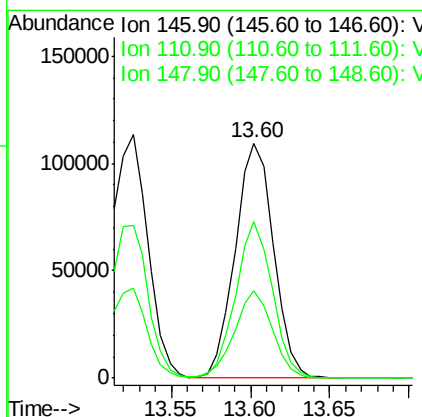
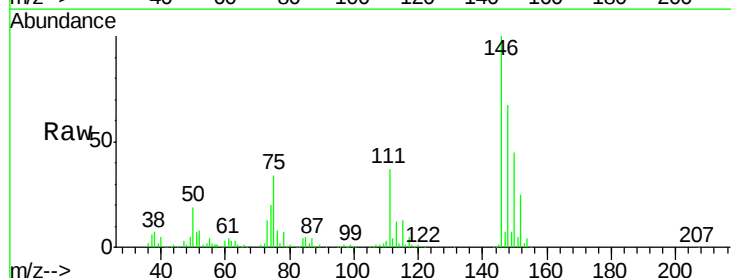
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

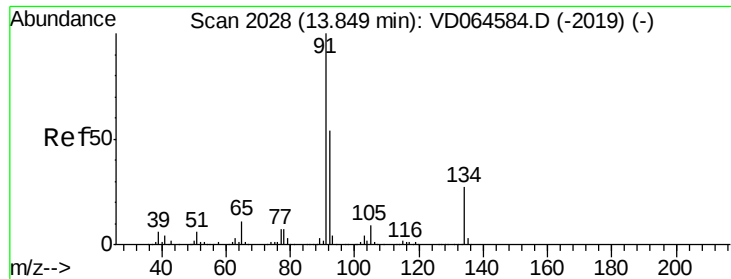
Tgt Ion:146 Resp: 185347
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.4
 148 64.0 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 23.429 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion:146 Resp: 184106
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.1 54.1
 148 63.6 32.3 96.9





#89

n-Butylbenzene

Concen: 23.507 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

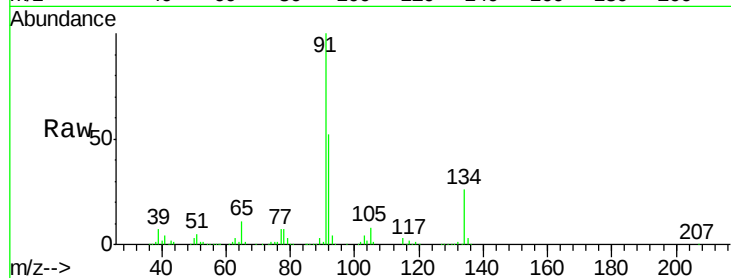
Tgt Ion: 91 Resp: 337984

Ion Ratio Lower Upper

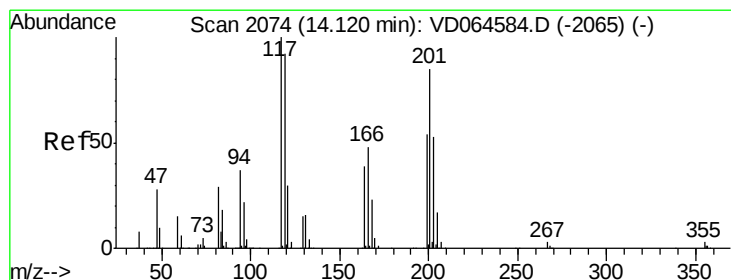
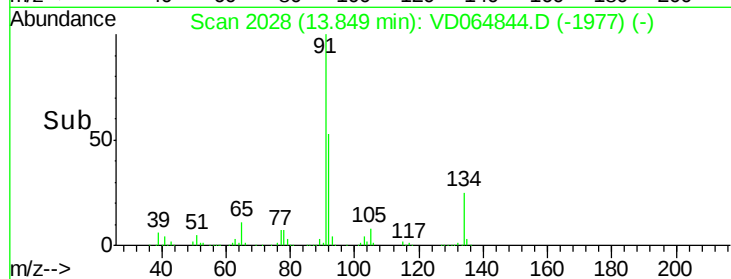
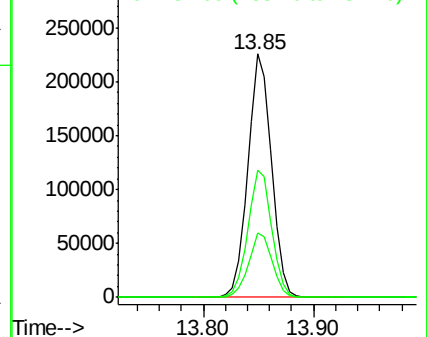
91 100

92 52.8 26.8 80.4

134 26.3 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 23.561 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064844.D

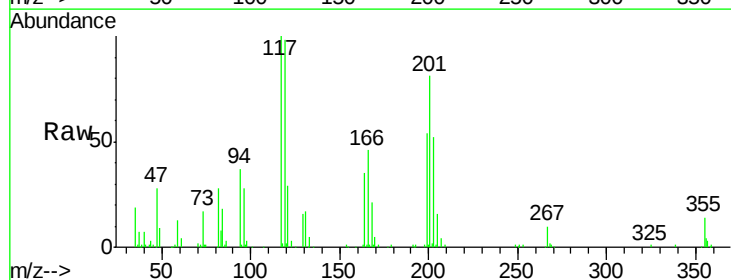
Acq: 13 Jan 2020 12:42

Tgt Ion: 117 Resp: 71857

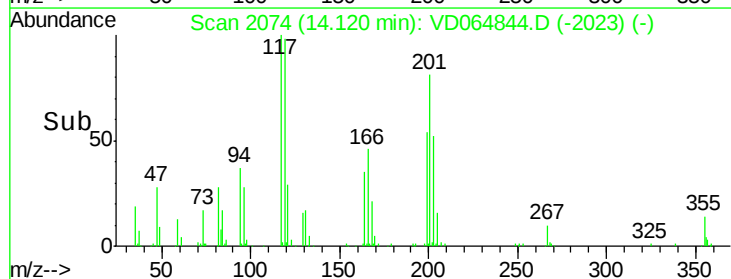
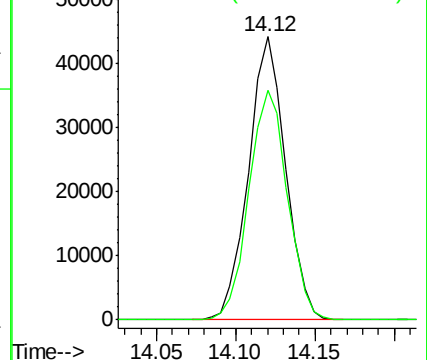
Ion Ratio Lower Upper

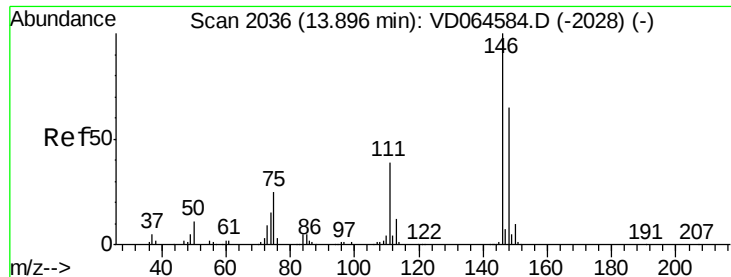
117 100

201 84.4 44.0 131.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 23.006 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

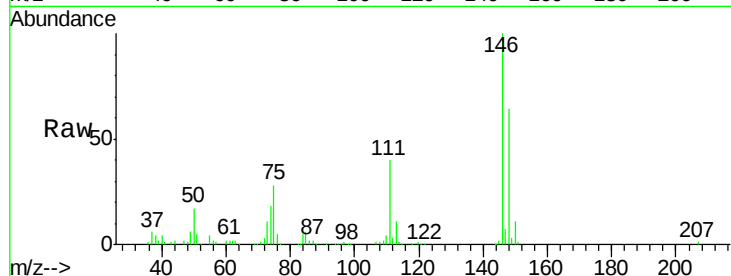
Tgt Ion:146 Resp: 156916

Ion Ratio Lower Upper

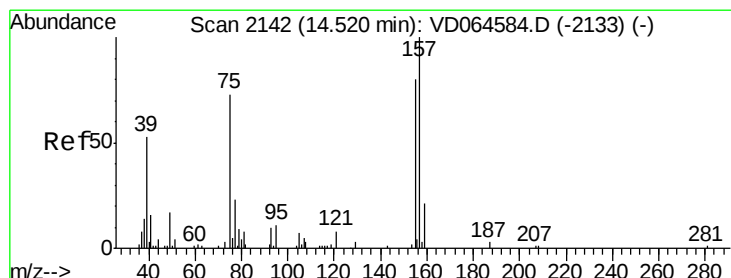
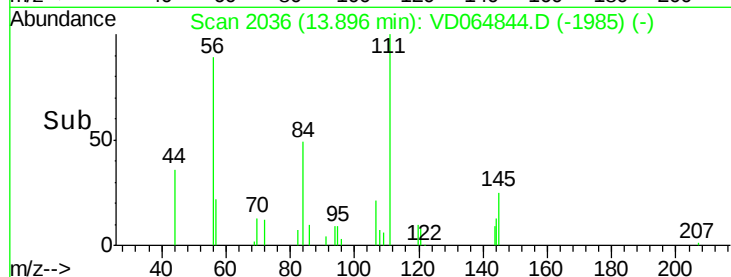
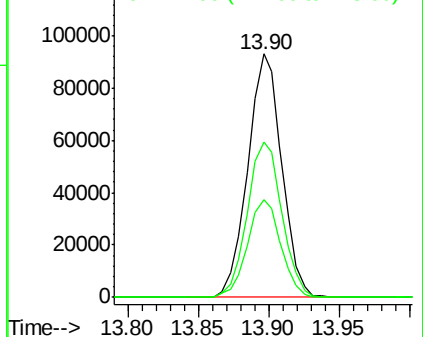
146 100

111 39.4 19.3 57.9

148 65.1 31.9 95.5



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: 25.906 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

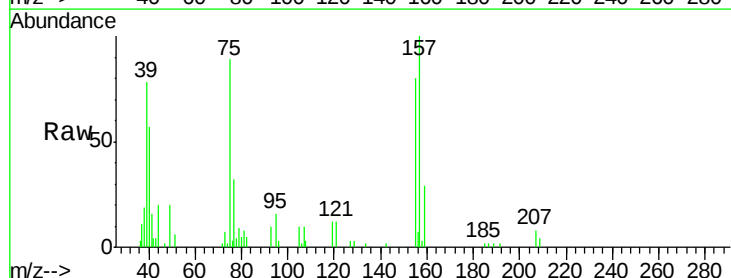
Tgt Ion: 75 Resp: 11266

Ion Ratio Lower Upper

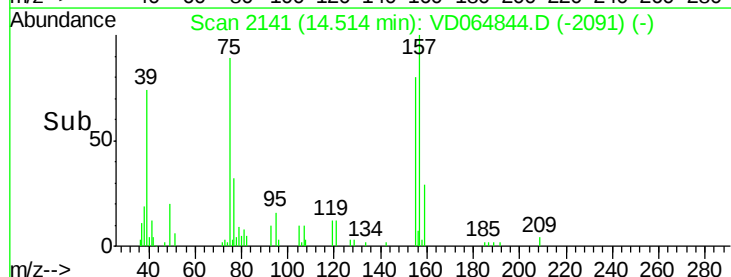
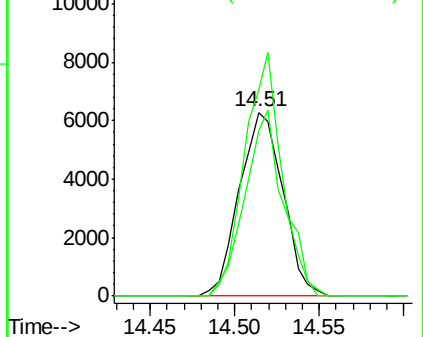
75 100

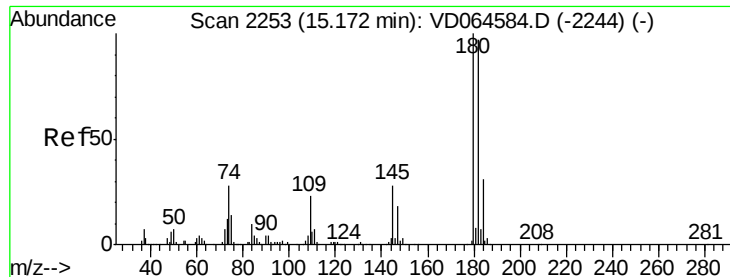
155 88.4 48.0 144.0

157 115.9 64.1 192.3



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

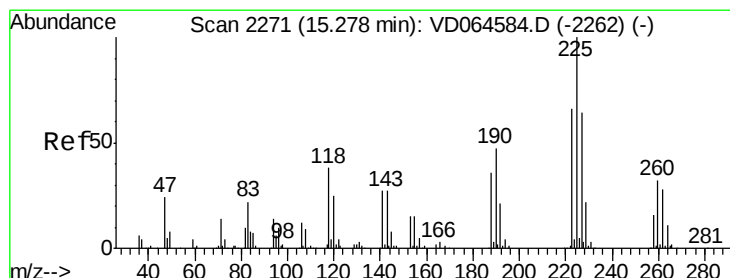
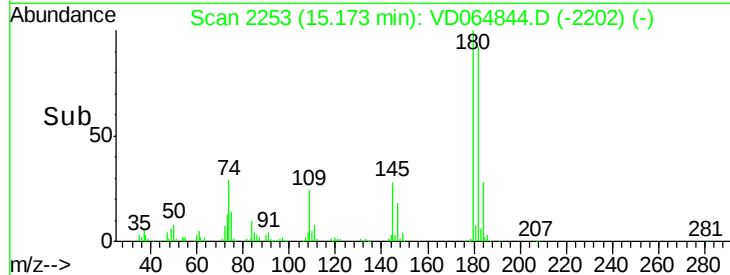
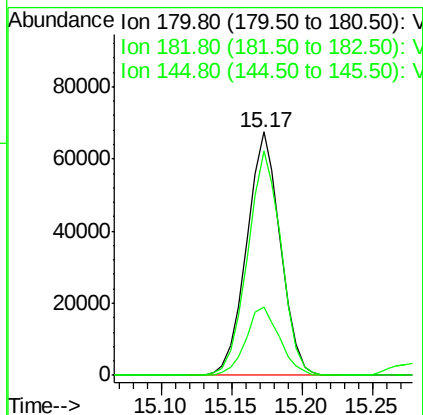
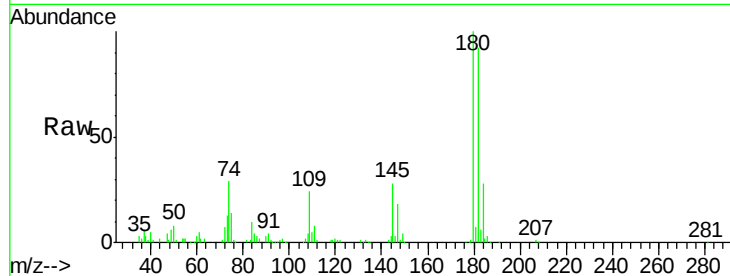




#93
 1,2,4-Trichlorobenzene
 Concen: 22.438 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

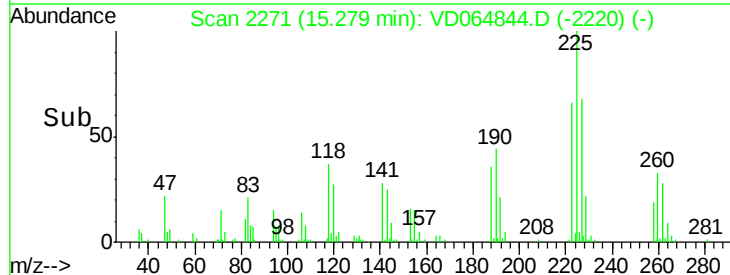
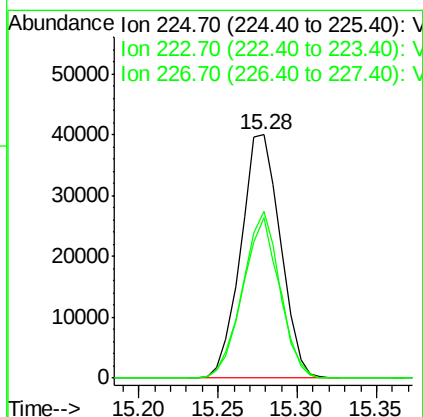
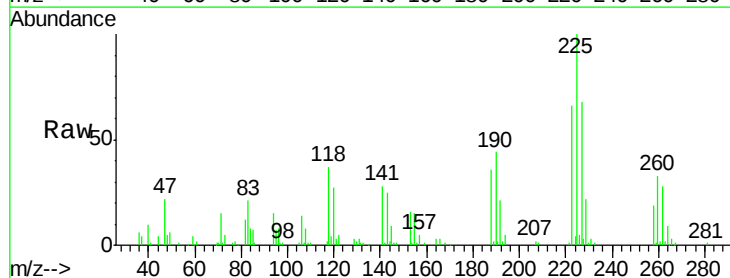
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

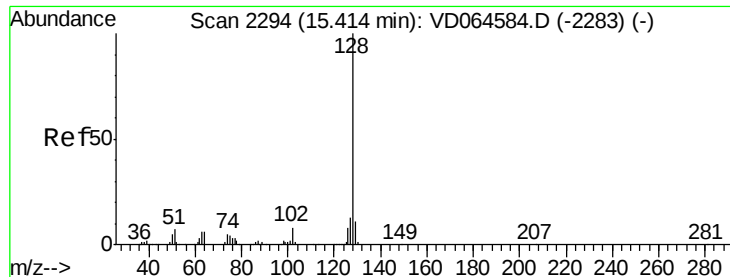
Tgt Ion:180 Resp: 112688
 Ion Ratio Lower Upper
 180 100
 182 92.3 48.0 144.2
 145 28.2 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 21.961 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064844.D
 Acq: 13 Jan 2020 12:42

Tgt Ion:225 Resp: 69404
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.1 93.2
 227 64.6 30.9 92.7





#95

Naphthalene

Concen: 22.440 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

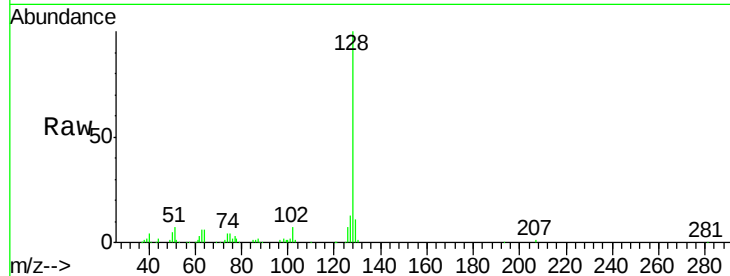
Tgt Ion:128 Resp: 178291

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

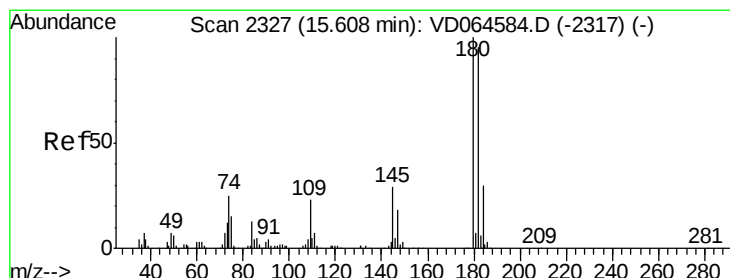
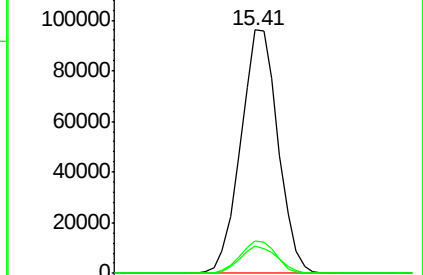
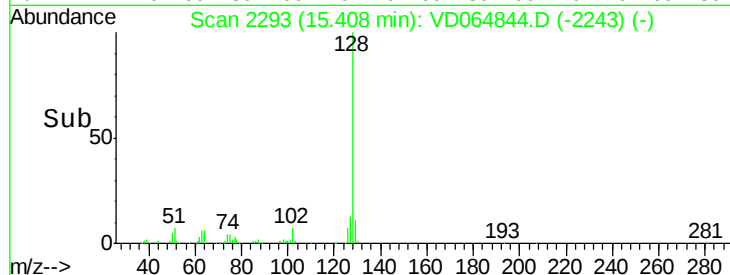
129 11.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.391 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064844.D

Acq: 13 Jan 2020 12:42

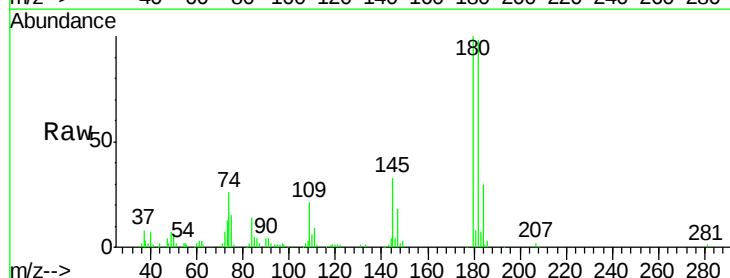
Tgt Ion:180 Resp: 96001

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.7

145 30.7 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

