

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011320\
 Data File : VD064846.D
 Acq On : 13 Jan 2020 13:39
 Operator : VA/SY
 Sample : VD0113SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

Quant Time: Jan 14 11:33:01 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	7.99	168	361621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	534627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	473590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232585	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	183086	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
35) Dibromofluoromethane	7.92	113	180802	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
50) Toluene-d8	10.34	98	684323	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	
62) 4-Bromofluorobenzene	12.64	95	220170	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	59795	21.277 ug/l	97
3) Chloromethane	2.21	50	92644	23.571 ug/l	98
4) Vinyl Chloride	2.35	62	108459	22.632 ug/l	100
5) Bromomethane	2.76	94	75976	21.804 ug/l	97
6) Chloroethane	2.92	64	72411	22.550 ug/l	99
7) Trichlorofluoromethane	3.26	101	180654	22.389 ug/l	97
8) Diethyl Ether	3.71	74	36496	22.777 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78226	23.409 ug/l	98
10) Methyl Iodide	4.29	142	75837	21.127 ug/l	99
11) Tert butyl alcohol	5.26	59	21857	119.602 ug/l	98
12) 1,1-Dichloroethene	4.06	96	73703	23.166 ug/l	93
13) Acrolein	3.92	56	21305	83.652 ug/l	100
14) Allyl chloride	4.71	41	119423	24.075 ug/l	99
15) Acrylonitrile	5.43	53	81295	121.804 ug/l	98
16) Acetone	4.16	43	91880	131.335 ug/l	92
17) Carbon Disulfide	4.40	76	228489	22.211 ug/l	99
18) Methyl Acetate	4.72	43	39735	22.134 ug/l	96
19) Methyl tert-butyl Ether	5.49	73	167244	23.667 ug/l	95
20) Methylene Chloride	4.96	84	103361	29.711 ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	83094	22.934 ug/l	96
22) Diisopropyl ether	6.37	45	239776	24.235 ug/l	98
23) Vinyl Acetate	6.31	43	671025	119.561 ug/l	98
24) 1,1-Dichloroethane	6.26	63	147015	24.752 ug/l	97
25) 2-Butanone	7.23	43	111322	127.007 ug/l	98
26) 2,2-Dichloropropane	7.21	77	137860	24.964 ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	90804	23.222 ug/l	95
28) Bromochloromethane	7.55	49	52561	22.765 ug/l	99
29) Tetrahydrofuran	7.57	42	64212	117.803 ug/l	96
30) Chloroform	7.71	83	153952	24.705 ug/l	100
31) Cyclohexane	7.99	56	135365	22.768 ug/l	# 93
32) 1,1,1-Trichloroethane	7.90	97	143214	24.468 ug/l	98
36) 1,1-Dichloropropene	8.11	75	119978	23.316 ug/l	98
37) Ethyl Acetate	7.30	43	47173	23.335 ug/l	99
38) Carbon Tetrachloride	8.10	117	129714	23.641 ug/l	99

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 ClientSampleID :
 VD0113SBS01

Quant Time: Jan 14 11:33:01 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)
39) Methylcyclohexane	9.36	83	138709	22.256	ug/l	96
40) Benzene	8.35	78	327885	23.341	ug/l	99
41) Methacrylonitrile	7.53	41	27565	23.502	ug/l	97
42) 1,2-Dichloroethane	8.43	62	100053	24.648	ug/l	98
43) Isopropyl Acetate	8.46	43	93094	23.137	ug/l	99
44) Trichloroethene	9.11	130	94497	22.899	ug/l	96
45) 1,2-Dichloropropane	9.39	63	78448	23.389	ug/l	95
46) Dibromomethane	9.48	93	43896	23.474	ug/l	97
47) Bromodichloromethane	9.67	83	116949	23.503	ug/l	93
48) Methyl methacrylate	9.46	41	41964	22.150	ug/l #	87
49) 1,4-Dioxane	9.47	88	10577	490.539	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	230181	115.738	ug/l	100
52) Toluene	10.41	92	209672	22.750	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	109867	23.683	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	130136	23.790	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	60106	23.851	ug/l	96
56) Ethyl methacrylate	10.67	69	70251	22.321	ug/l	98
57) 1,3-Dichloropropane	10.95	76	100548	23.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	148372	123.737	ug/l	99
59) 2-Hexanone	10.99	43	165678	122.738	ug/l	96
60) Dibromochloromethane	11.14	129	80393	23.069	ug/l	99
61) 1,2-Dibromoethane	11.25	107	55716	22.415	ug/l	98
64) Tetrachloroethene	10.88	164	83313	22.930	ug/l	98
65) Chlorobenzene	11.67	112	221239	22.508	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	87886	23.718	ug/l	98
67) Ethyl Benzene	11.75	91	401215	22.489	ug/l	96
68) m/p-Xylenes	11.86	106	311517	45.238	ug/l	99
69) o-Xylene	12.18	106	140478	22.585	ug/l	97
70) Styrene	12.20	104	243970	22.346	ug/l	99
71) Bromoform	12.37	173	46226	21.875	ug/l #	100
73) Isopropylbenzene	12.48	105	380147	22.871	ug/l	98
74) N-amyl acetate	12.29	43	82560	23.237	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	61583	23.586	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	85033	46.298	ug/l #	100
77) Bromobenzene	12.77	156	94515	23.143	ug/l	99
78) n-propylbenzene	12.83	91	453370	23.381	ug/l	99
79) 2-Chlorotoluene	12.91	91	249247	23.399	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	312160	22.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20731	23.607	ug/l	96
82) 4-Chlorotoluene	13.01	91	263977	23.287	ug/l	99
83) tert-Butylbenzene	13.23	119	267319	22.550	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	312230	22.962	ug/l	98
85) sec-Butylbenzene	13.41	105	373730	22.996	ug/l	100
86) p-Isopropyltoluene	13.52	119	350971	22.585	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	174842	22.457	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	174754	22.849	ug/l	98
89) n-Butylbenzene	13.85	91	320448	22.899	ug/l	100
90) Hexachloroethane	14.12	117	67764	22.828	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	147802	22.264	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9241	21.832	ug/l	99

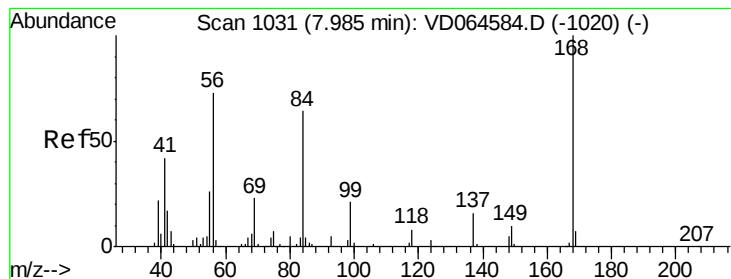
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD011320\
Data File : VD064846.D
Acq On : 13 Jan 2020 13:39
Operator : VA/SY
Sample : VD0113SBSD01
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VD0113SBSD01

Quant Time: Jan 14 11:33:01 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	108417	22.179	ug/l	99
94) Hexachlorobutadiene	15.28	225	68063	22.127	ug/l	99
95) Naphthalene	15.41	128	168663	21.810	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	92428	22.149	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

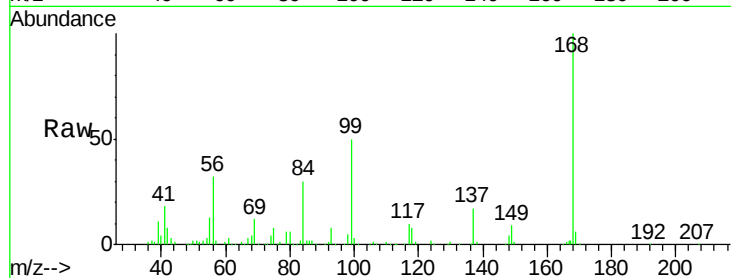
VD0113SBSD01

Tgt Ion: 168 Resp: 361621

Ion Ratio Lower Upper

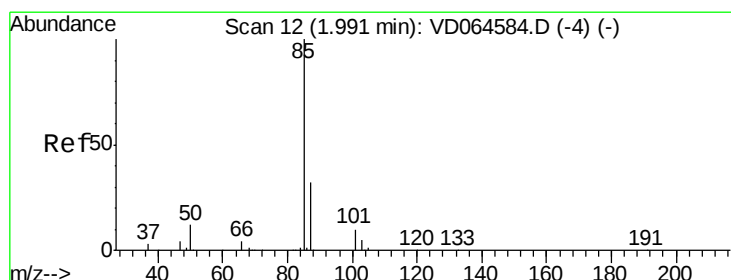
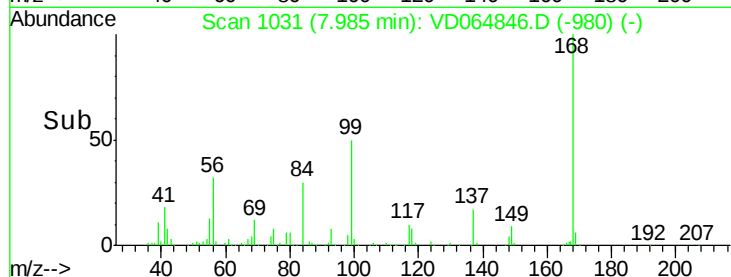
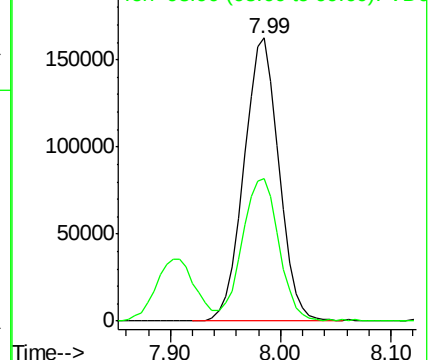
168 100

99 49.8 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: 21.277 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064846.D

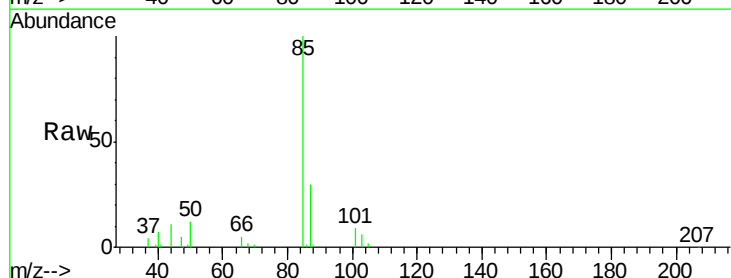
Acq: 13 Jan 2020 13:39

Tgt Ion: 85 Resp: 59795

Ion Ratio Lower Upper

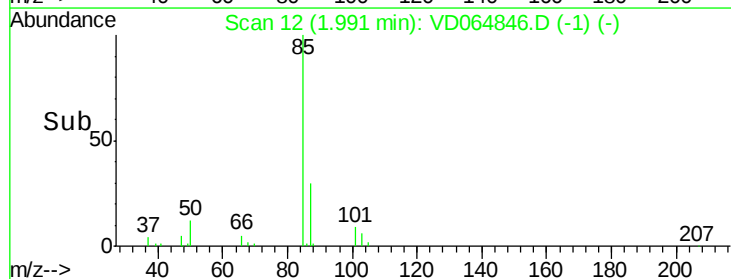
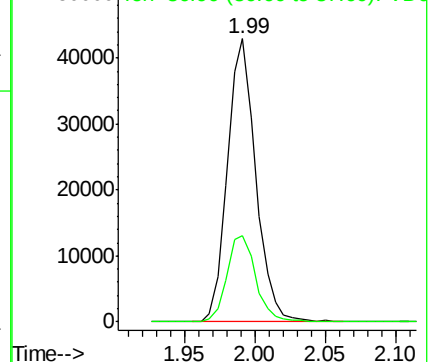
85 100

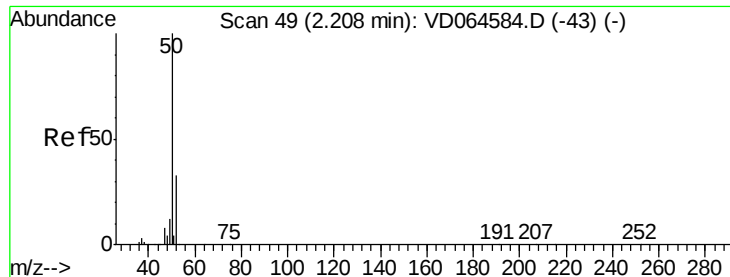
87 30.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.571 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

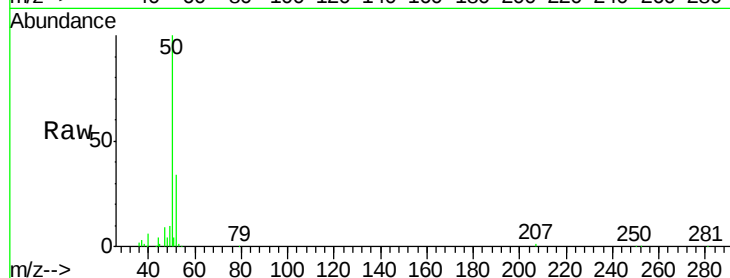
VD0113SBS01

Tgt Ion: 50 Resp: 92644

Ion Ratio Lower Upper

50 100

52 34.4 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

60000

40000

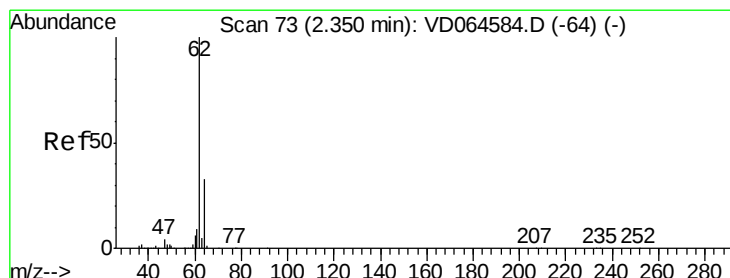
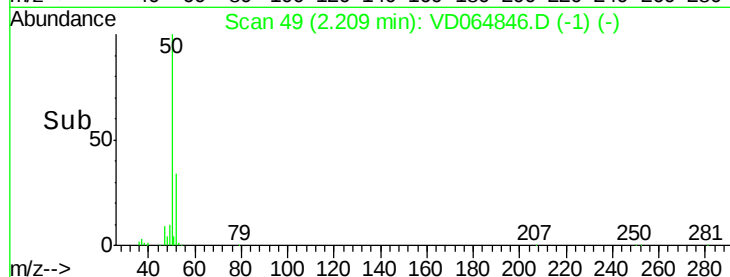
20000

0

Time-->

2.20

2.30



#4

Vinyl Chloride

Concen: 22.632 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064846.D

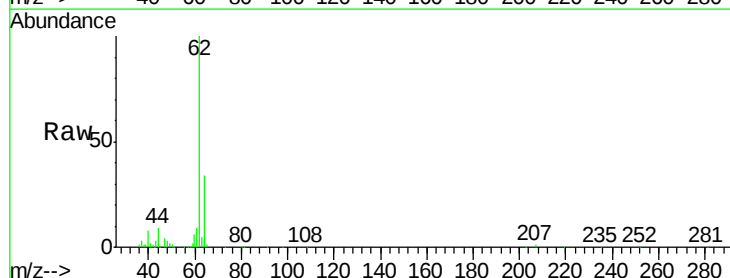
Acq: 13 Jan 2020 13:39

Tgt Ion: 62 Resp: 108459

Ion Ratio Lower Upper

62 100

64 33.5 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

60000

40000

20000

0

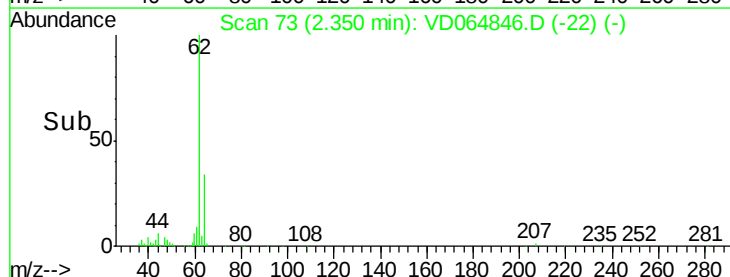
Time-->

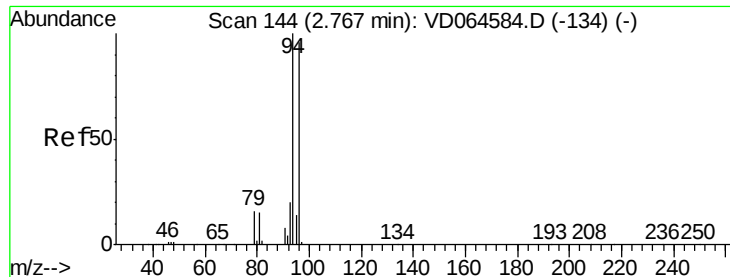
2.30

2.35

2.40

2.45





#5

Bromomethane

Concen: 21.804 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

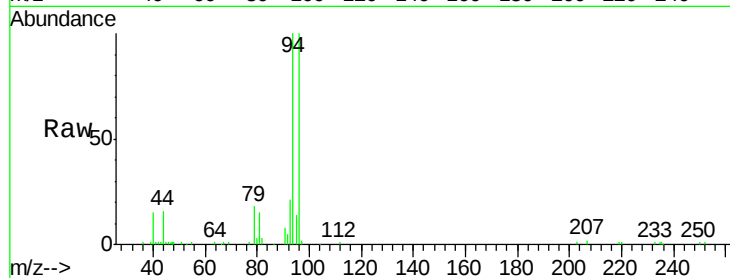
VD0113SBS01

Tgt Ion: 94 Resp: 75976

Ion Ratio Lower Upper

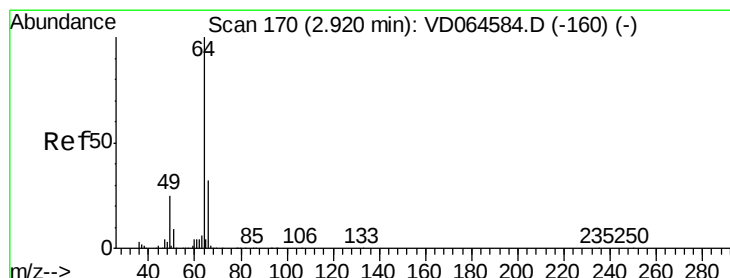
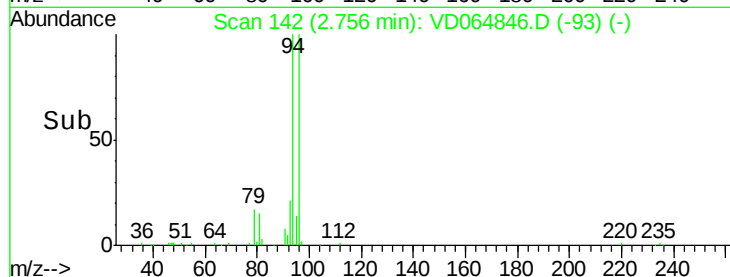
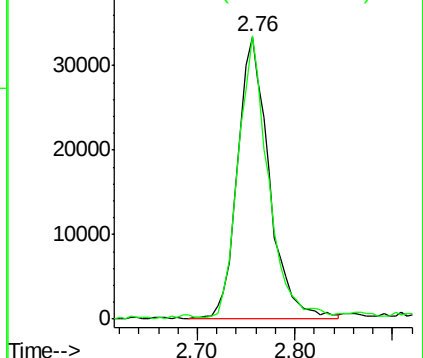
94 100

96 99.0 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.550 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064846.D

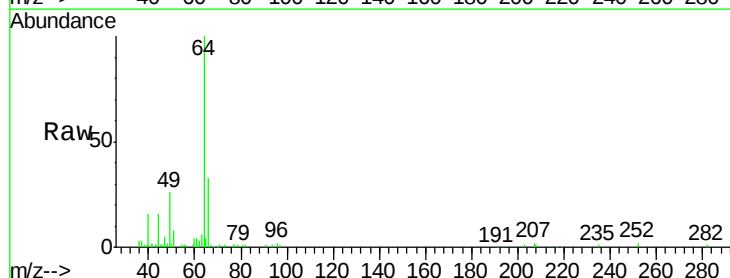
Acq: 13 Jan 2020 13:39

Tgt Ion: 64 Resp: 72411

Ion Ratio Lower Upper

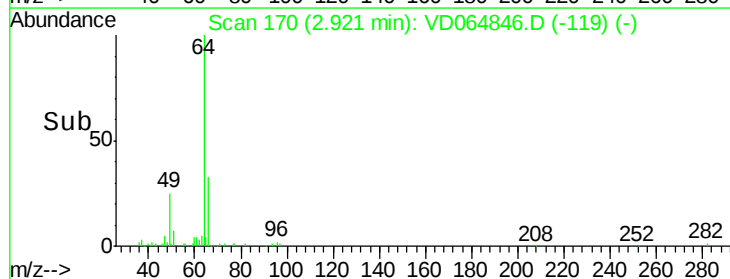
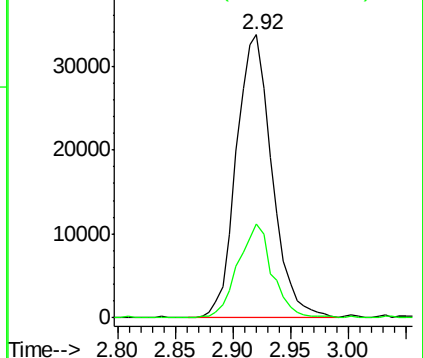
64 100

66 33.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



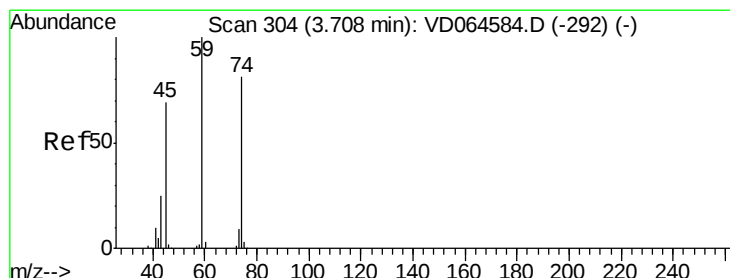
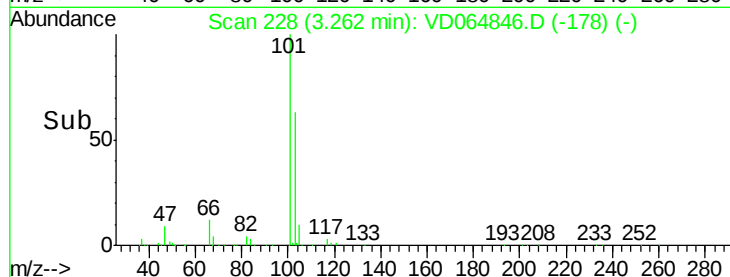
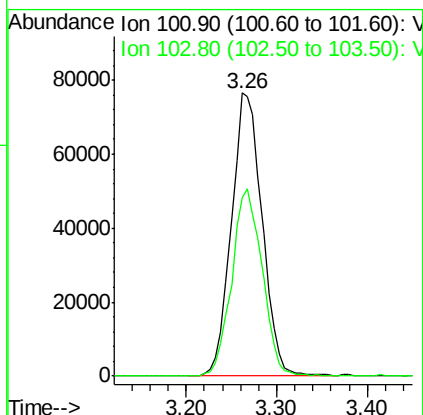
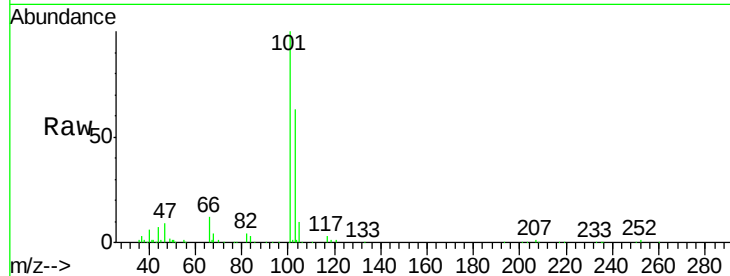


#7

Trichlorofluoromethane
 Concen: 22.389 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

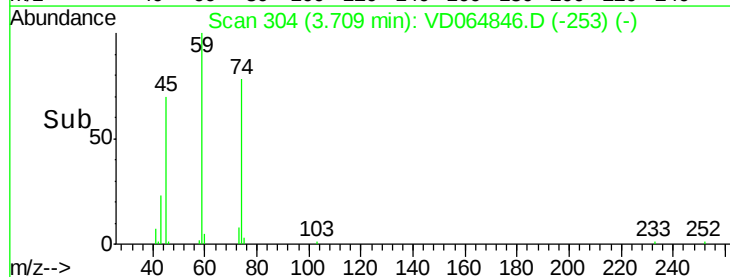
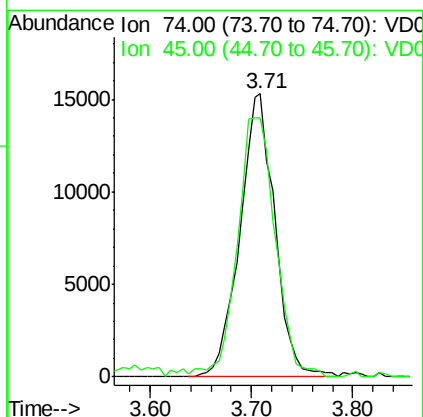
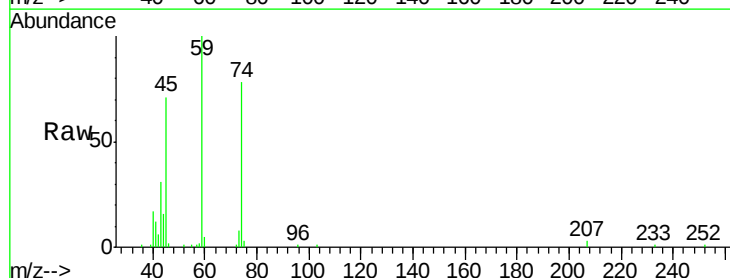
Tgt Ion: 101 Resp: 180654
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.2 78.4

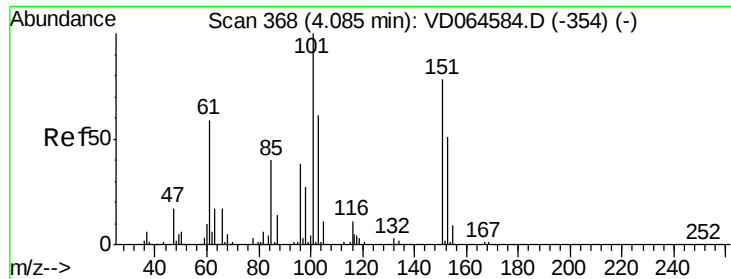


#8

Diethyl Ether
 Concen: 22.777 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion: 74 Resp: 36496
 Ion Ratio Lower Upper
 74 100
 45 99.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.409 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

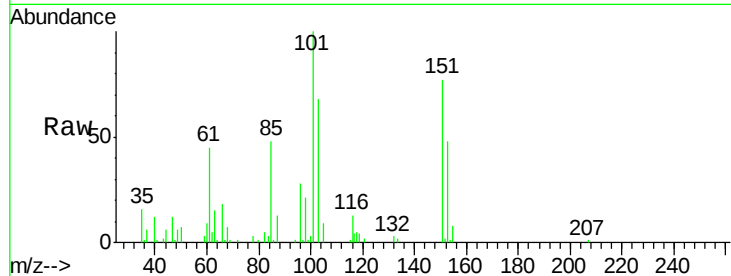
Tgt Ion:101 Resp: 78226

Ion Ratio Lower Upper

101 100

85 46.2 35.2 52.8

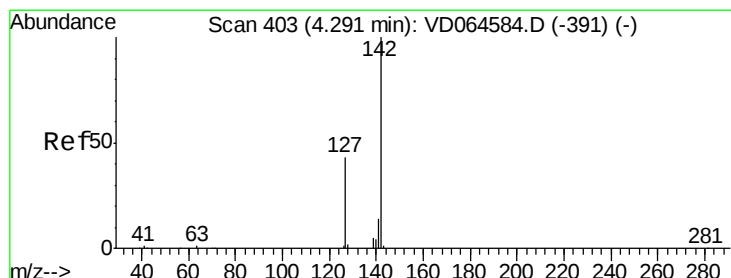
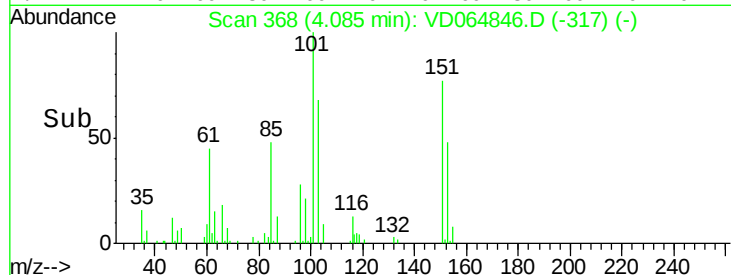
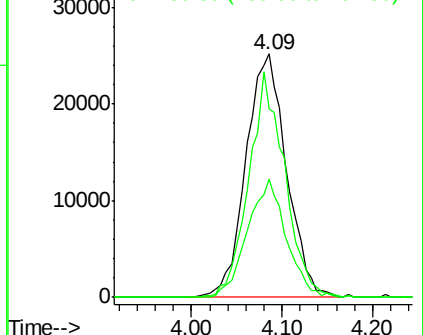
151 82.0 66.2 99.4



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: 21.127 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

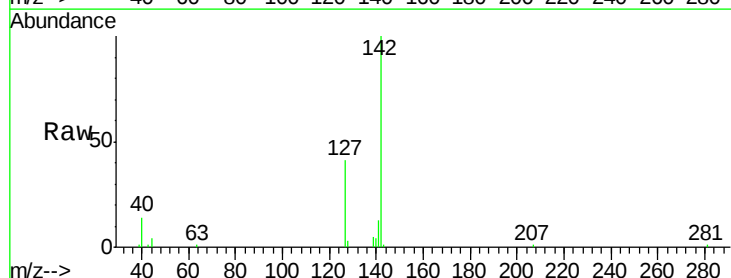
Tgt Ion:142 Resp: 75837

Ion Ratio Lower Upper

142 100

127 46.1 36.2 54.4

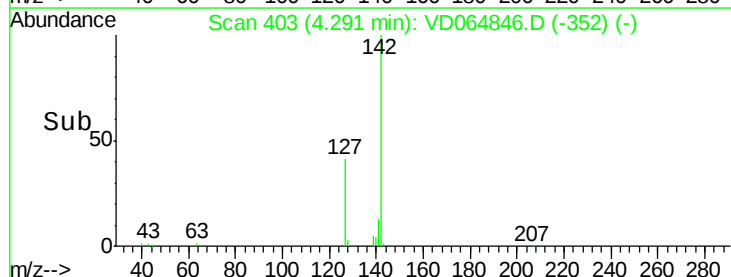
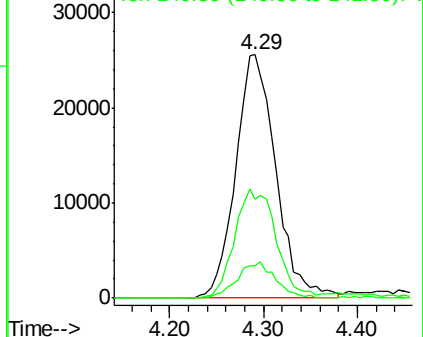
141 14.1 11.8 17.8



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



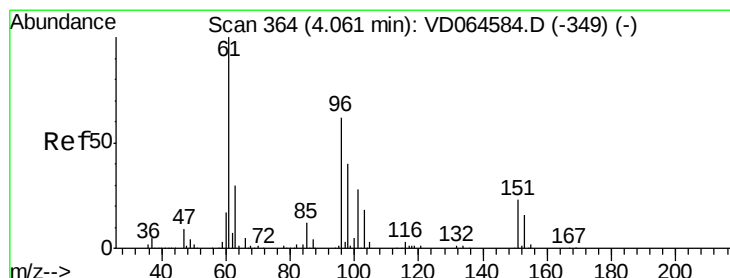
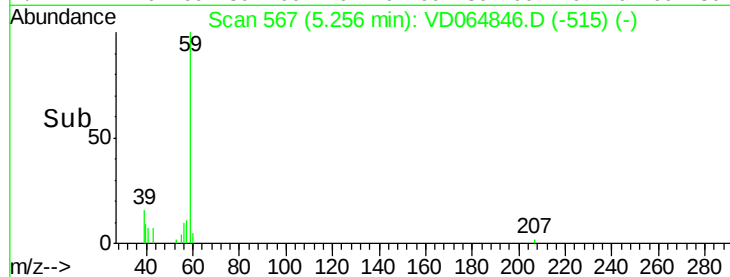
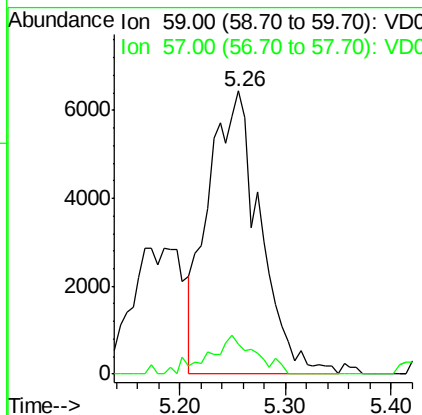
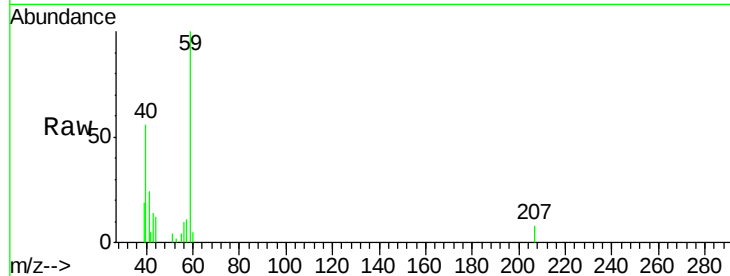


#11

Tert butyl alcohol
 Concen: 119.602 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0113SBSD01

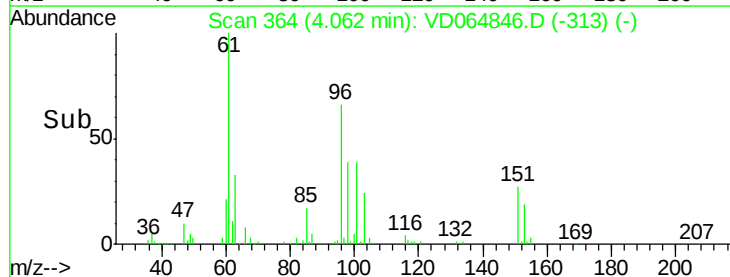
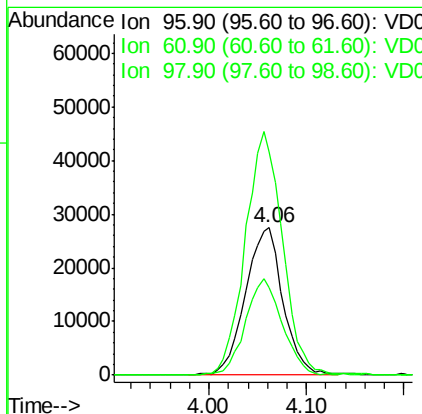
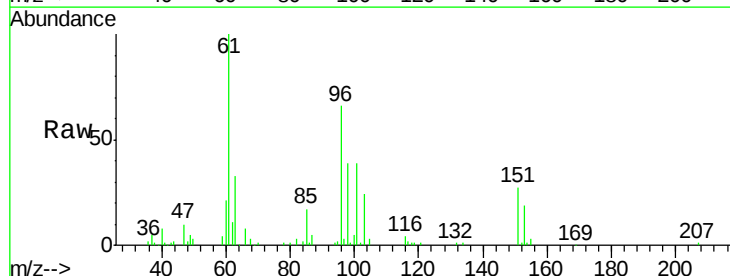
Tgt Ion: 59 Resp: 21857
 Ion Ratio Lower Upper
 59 100
 57 12.3 9.3 13.9

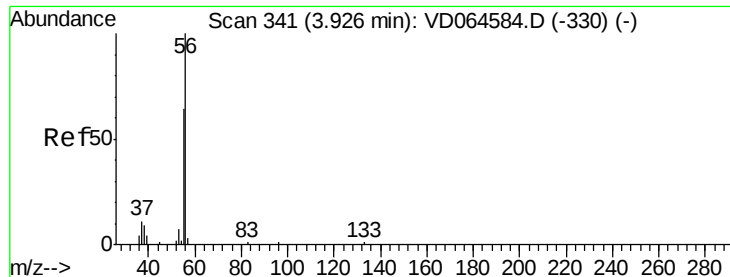


#12

1,1-Dichloroethene
 Concen: 23.166 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion: 96 Resp: 73703
 Ion Ratio Lower Upper
 96 100
 61 151.6 129.4 194.0
 98 59.7 51.4 77.0





#13

Acrolein

Concen: 83.652 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

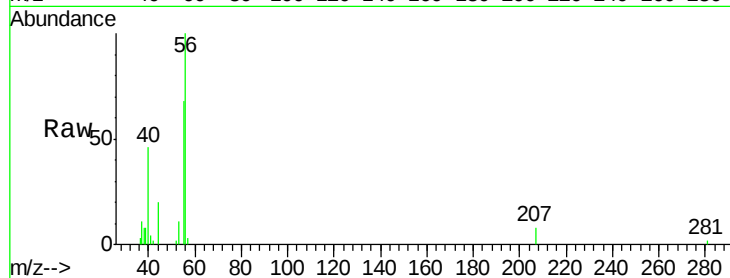
VD0113SBSD01

Tgt Ion: 56 Resp: 21305

Ion Ratio Lower Upper

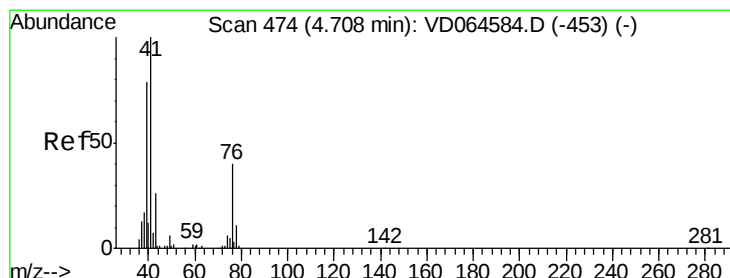
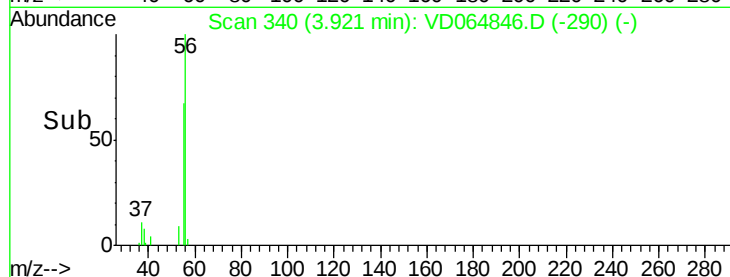
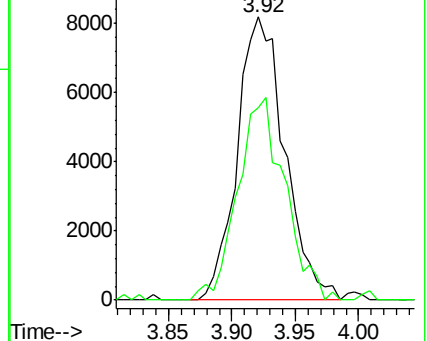
56 100

55 71.2 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 24.075 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

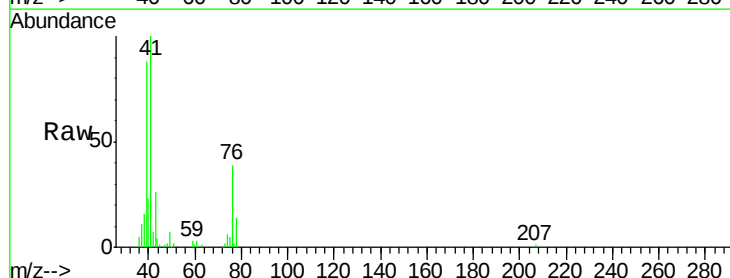
Tgt Ion: 41 Resp: 119423

Ion Ratio Lower Upper

41 100

39 78.5 62.3 93.5

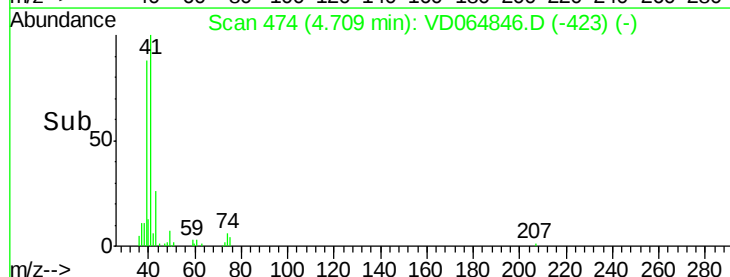
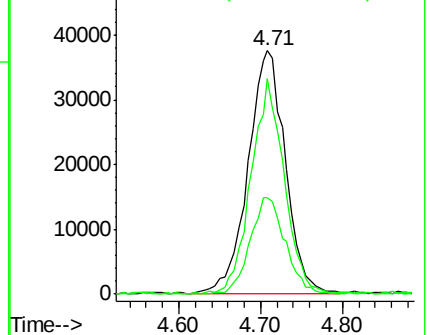
76 37.2 29.7 44.5

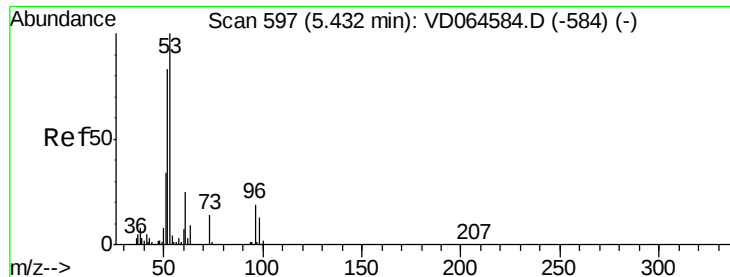


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 121.804 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

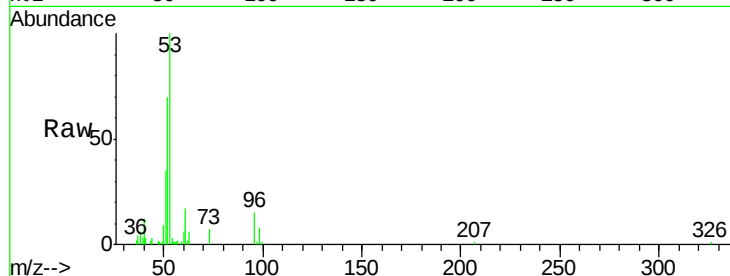
Tgt Ion: 53 Resp: 81295

Ion Ratio Lower Upper

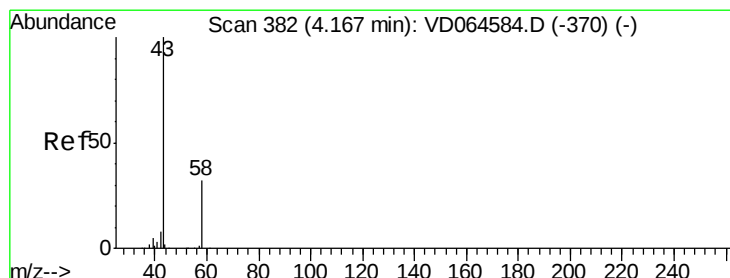
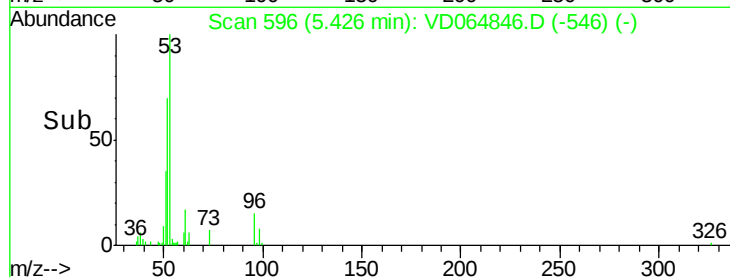
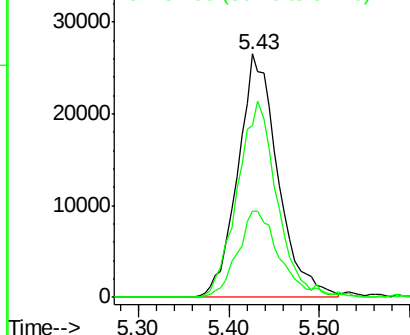
53 100

52 79.6 66.2 99.2

51 37.6 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: 131.335 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064846.D

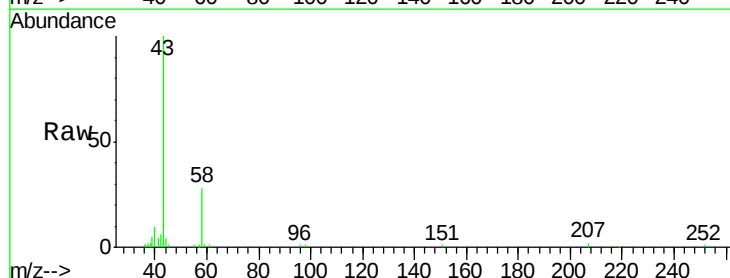
Acq: 13 Jan 2020 13:39

Tgt Ion: 43 Resp: 91880

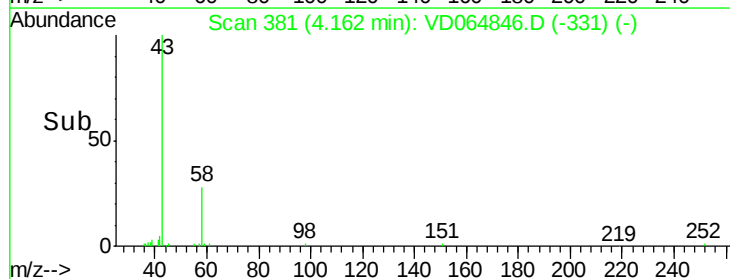
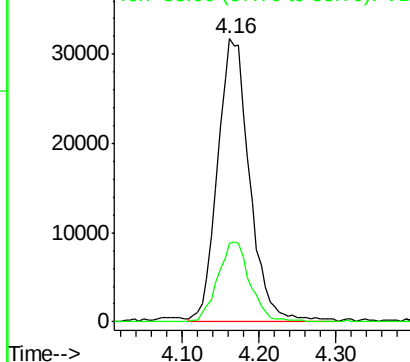
Ion Ratio Lower Upper

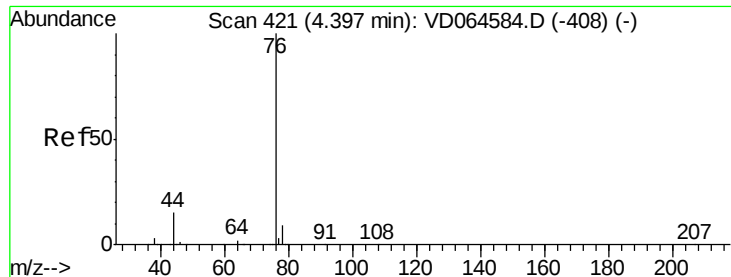
43 100

58 27.9 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: 22.211 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

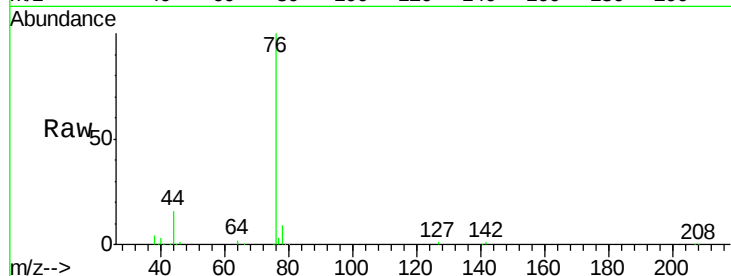
VD0113BSD01

Tgt Ion: 76 Resp: 228489

Ion Ratio Lower Upper

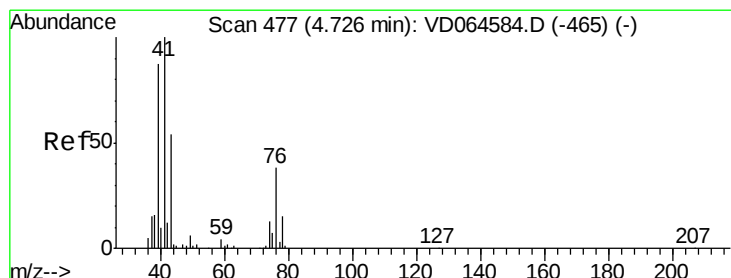
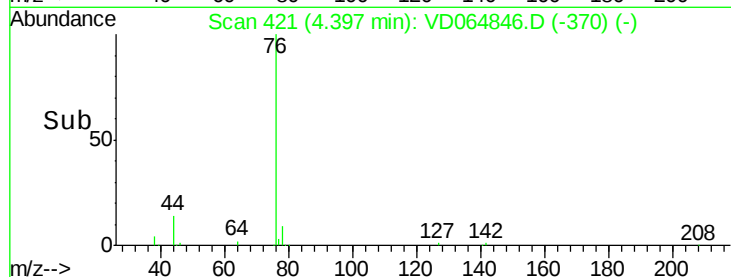
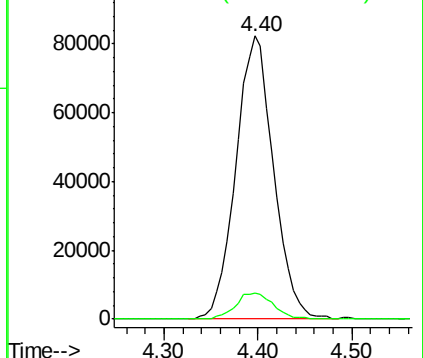
76 100

78 9.3 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: 22.134 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064846.D

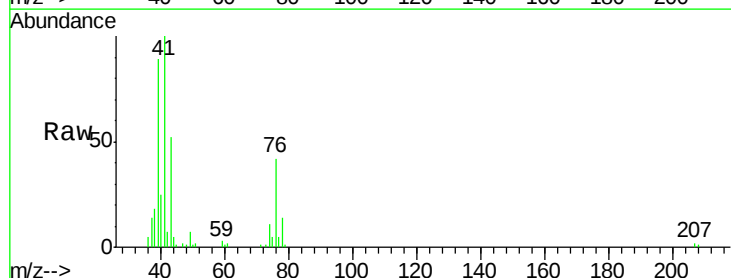
Acq: 13 Jan 2020 13:39

Tgt Ion: 43 Resp: 39735

Ion Ratio Lower Upper

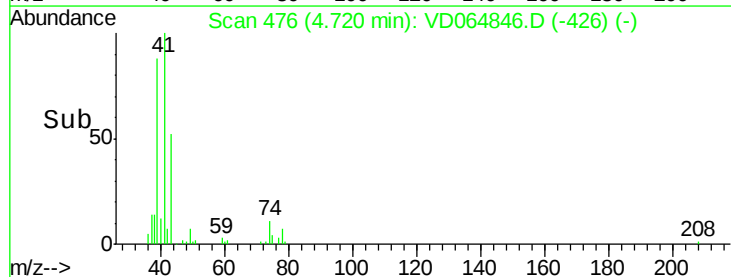
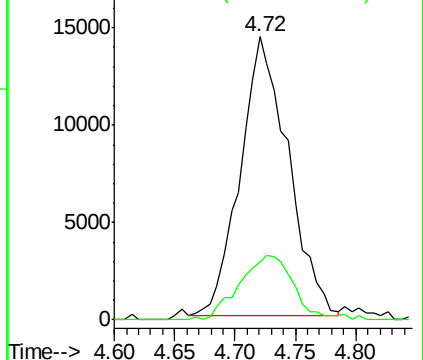
43 100

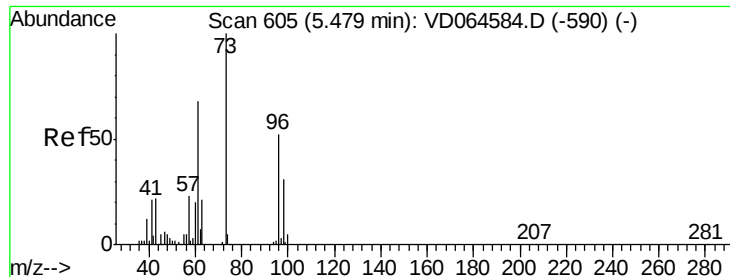
74 26.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

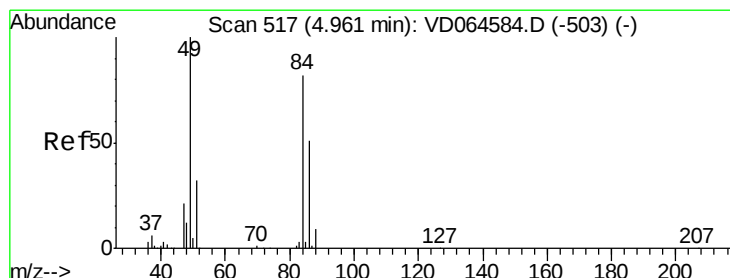
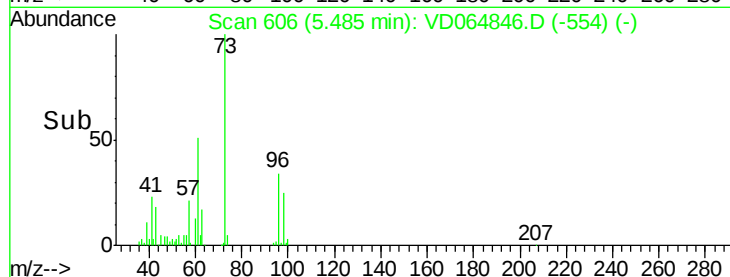
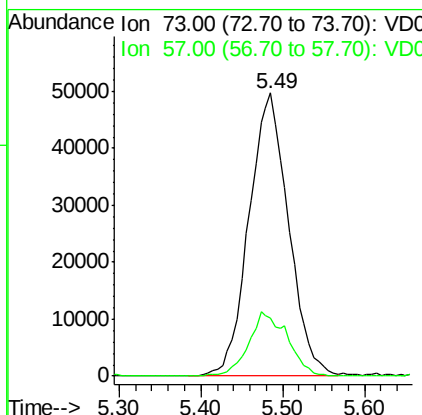
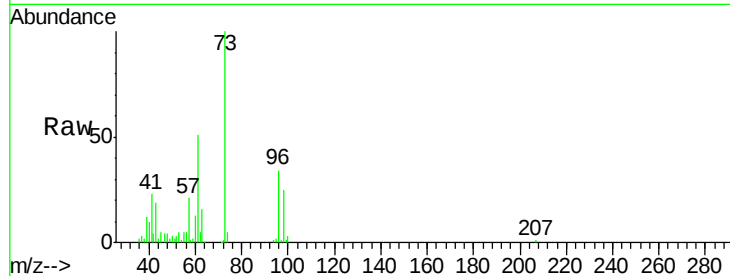




#19
Methyl tert-butyl Ether
Concen: 23.667 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

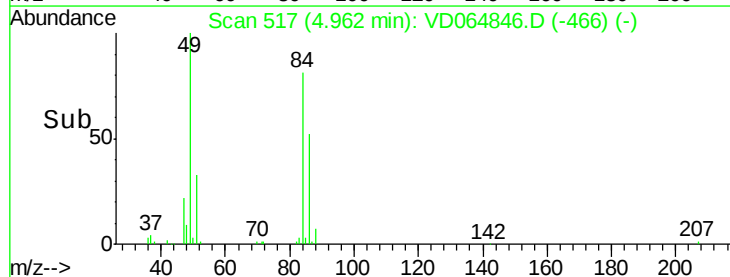
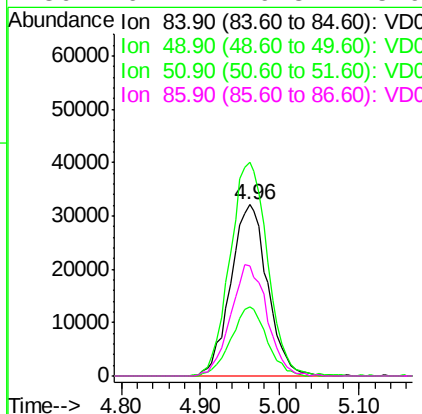
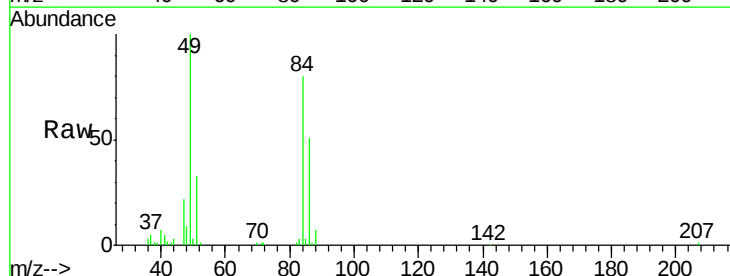
Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

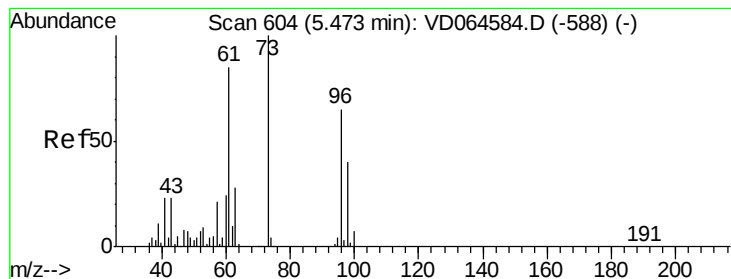
Tgt Ion: 73 Resp: 167244
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8



#20
Methylene Chloride
Concen: 29.711 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 84 Resp: 103361
Ion Ratio Lower Upper
84 100
49 124.7 97.2 145.8
51 40.7 31.4 47.0
86 64.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.934 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

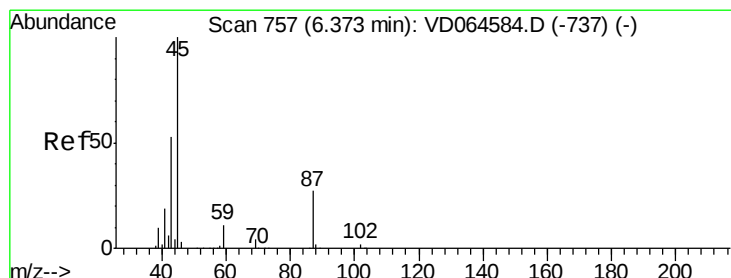
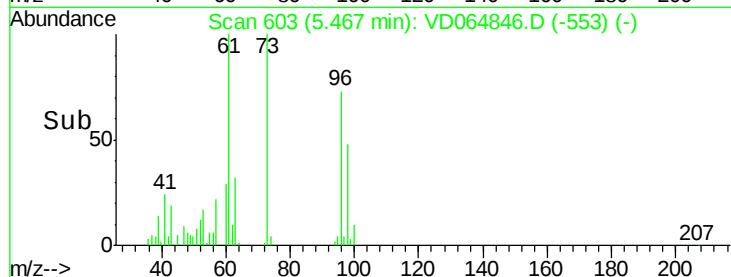
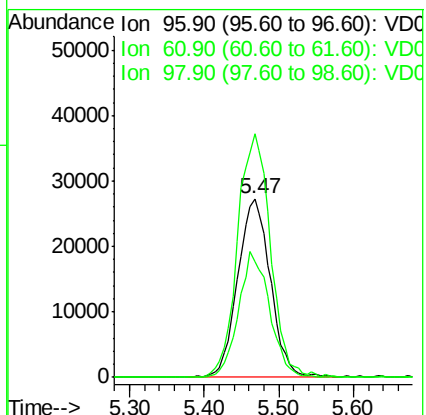
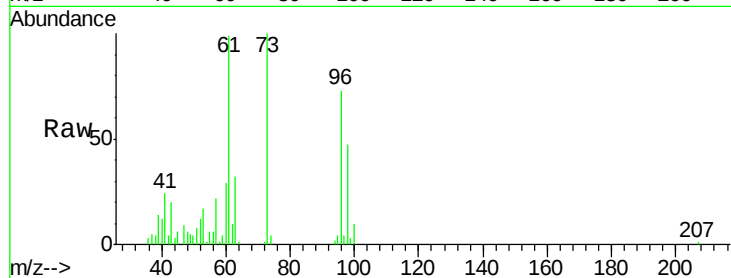
Tgt Ion: 96 Resp: 83094

Ion Ratio Lower Upper

96 100

61 136.1 104.7 157.1

98 64.9 49.4 74.2



#22

Diisopropyl ether

Concen: 24.235 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Tgt Ion: 45 Resp: 239776

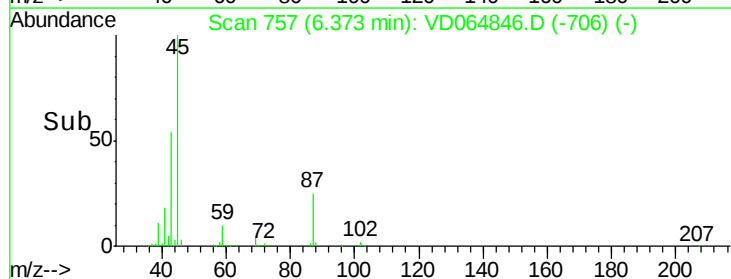
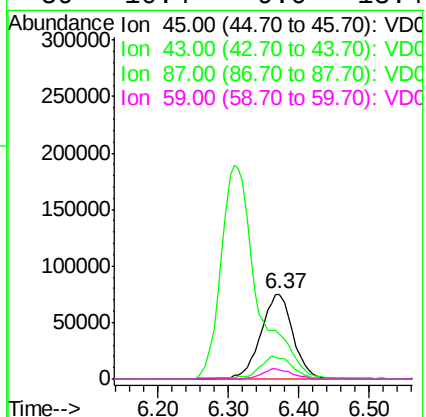
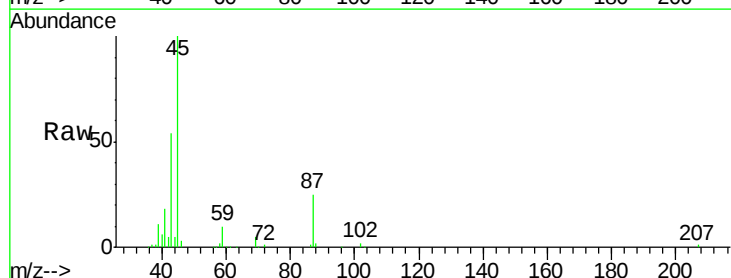
Ion Ratio Lower Upper

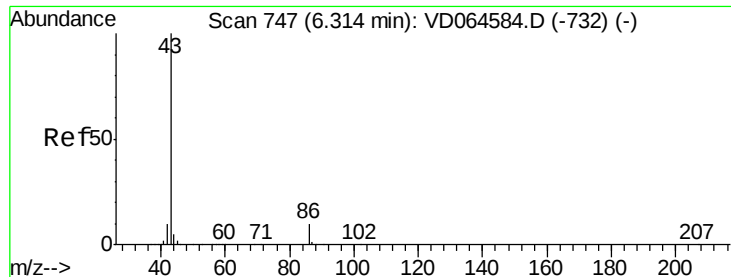
45 100

43 53.0 43.2 64.8

87 24.9 21.9 32.9

59 10.4 9.0 13.4





#23

Vinyl Acetate

Concen: 119.561 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

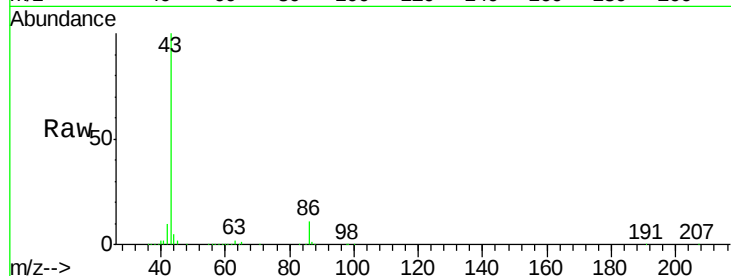
VD0113SBS01

Tgt Ion: 43 Resp: 671025

Ion Ratio Lower Upper

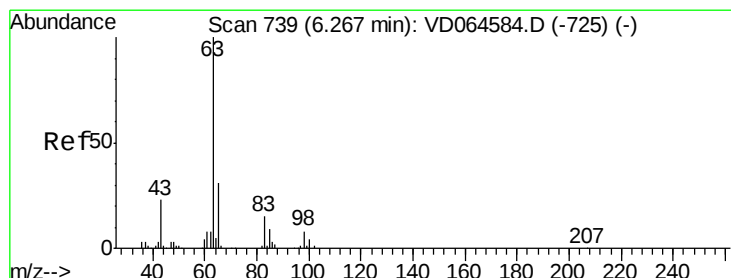
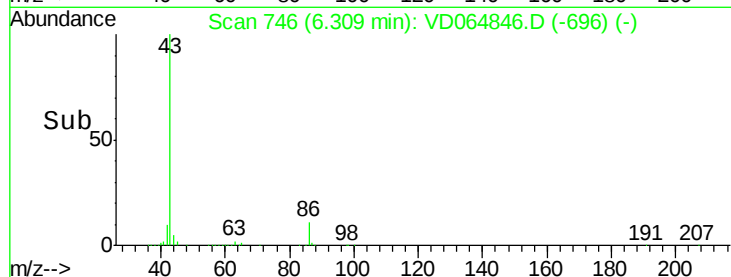
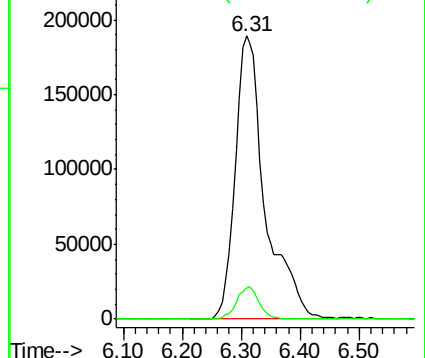
43 100

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



#24

1,1-Dichloroethane

Concen: 24.752 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

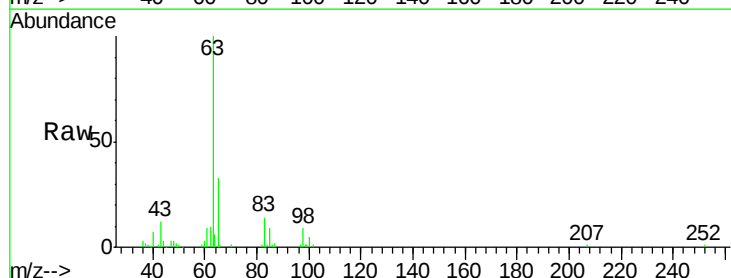
Tgt Ion: 63 Resp: 147015

Ion Ratio Lower Upper

63 100

98 9.5 4.1 12.3

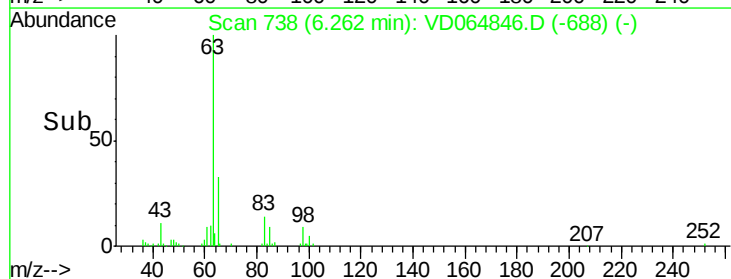
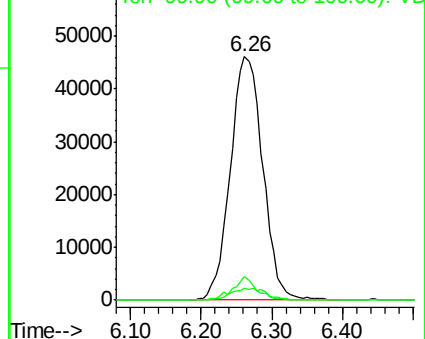
100 5.0 2.2 6.6

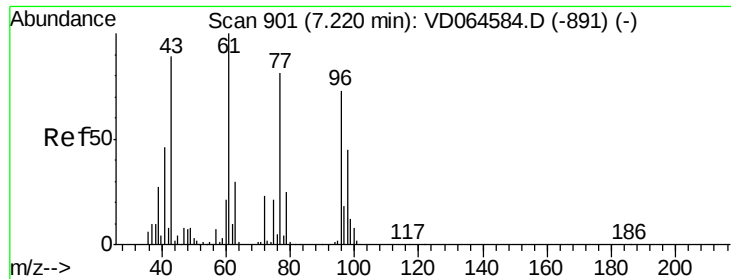


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

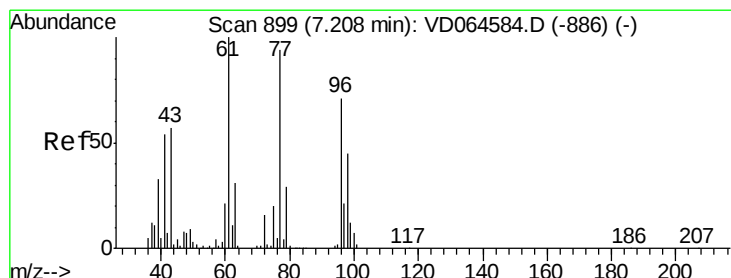
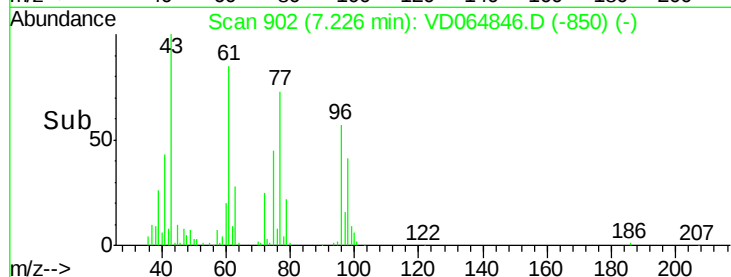
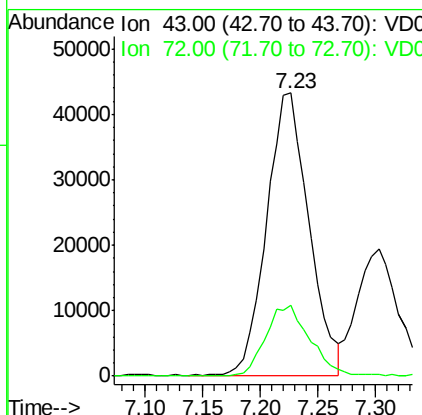
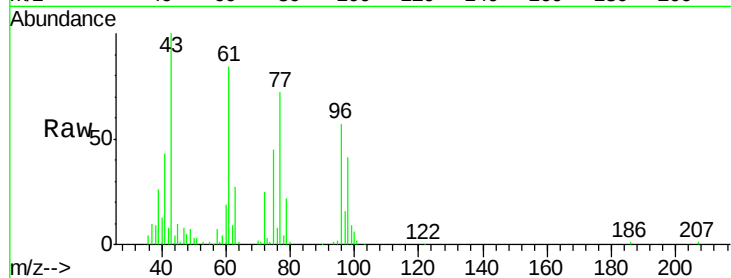




#25
2-Butanone
Concen: 127.007 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

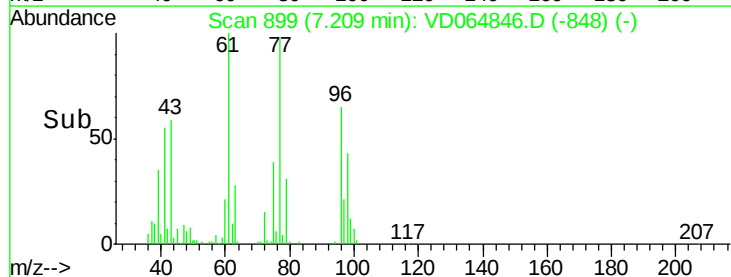
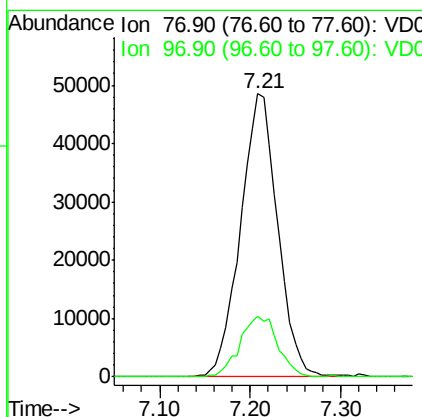
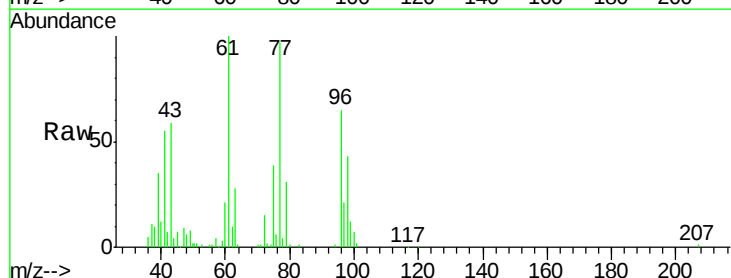
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

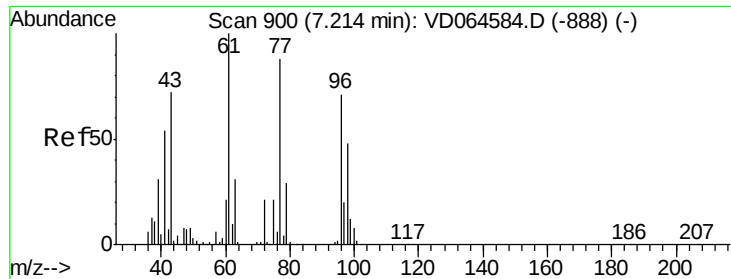
Tgt Ion: 43 Resp: 111322
Ion Ratio Lower Upper
43 100
72 25.0 20.7 31.1



#26
2,2-Dichloropropane
Concen: 24.964 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 77 Resp: 137860
Ion Ratio Lower Upper
77 100
97 21.7 11.2 33.6

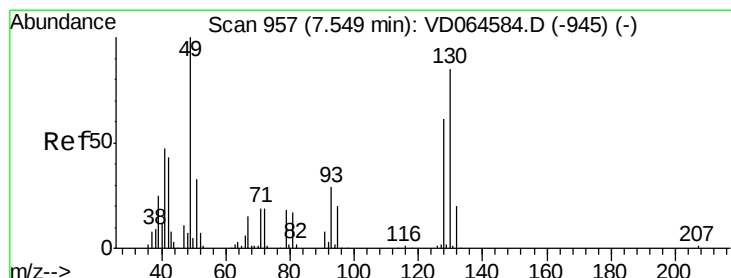
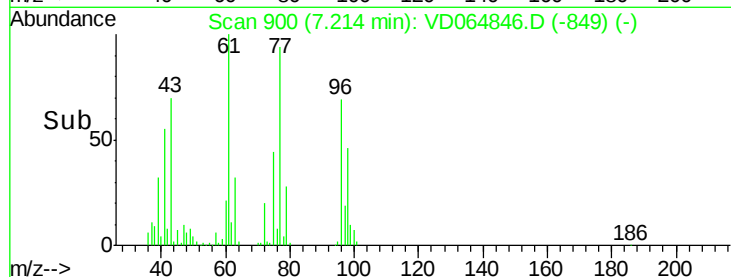
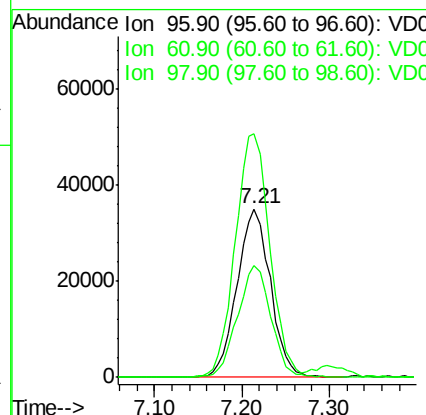
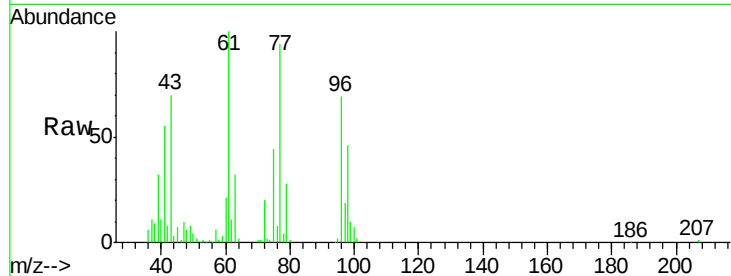




#27
 cis-1,2-Dichloroethene
 Concen: 23.222 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

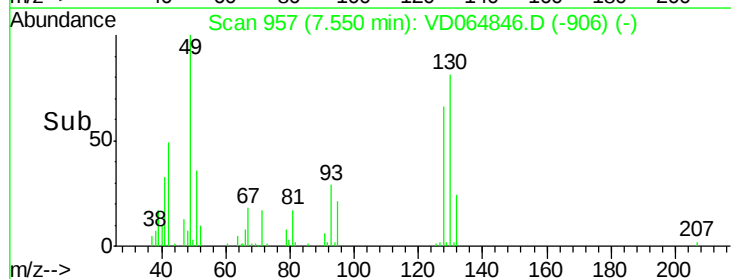
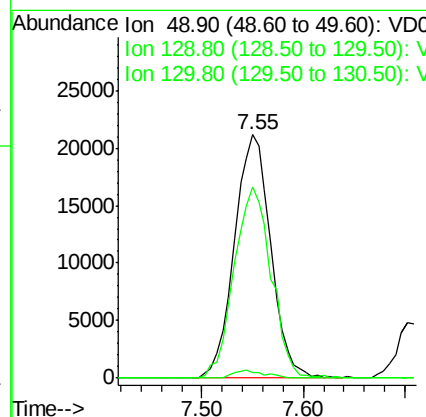
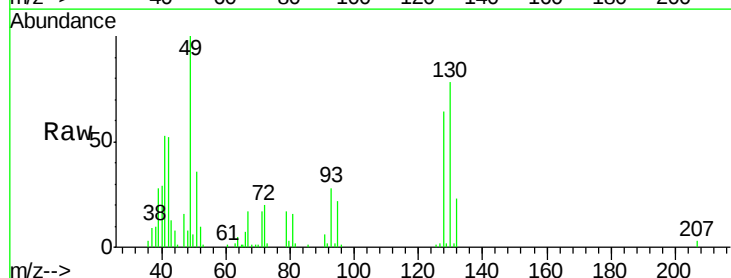
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

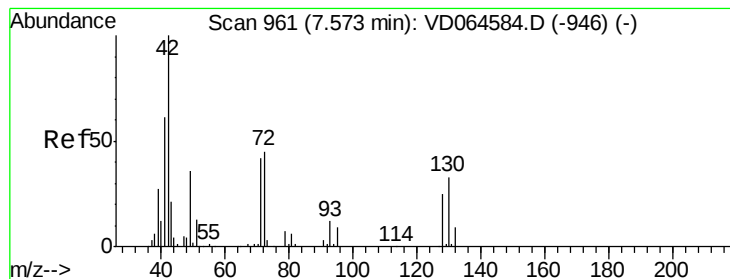
Tgt Ion: 96 Resp: 90804
 Ion Ratio Lower Upper
 96 100
 61 149.1 0.0 282.6
 98 66.0 0.0 130.8



#28
 Bromochloromethane
 Concen: 22.765 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion: 49 Resp: 52561
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.8
 130 80.6 65.0 97.6





#29

Tetrahydrofuran

Concen: 117.803 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBS01

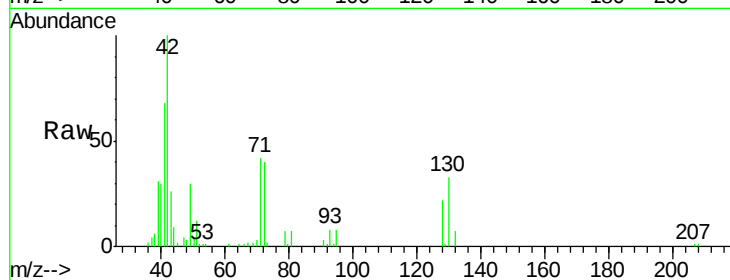
Tgt Ion: 42 Resp: 64212

Ion Ratio Lower Upper

42 100

72 40.9 35.0 52.4

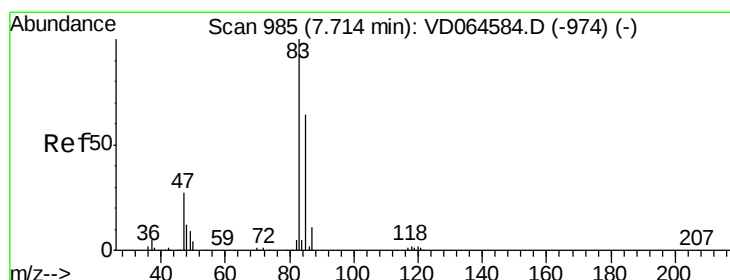
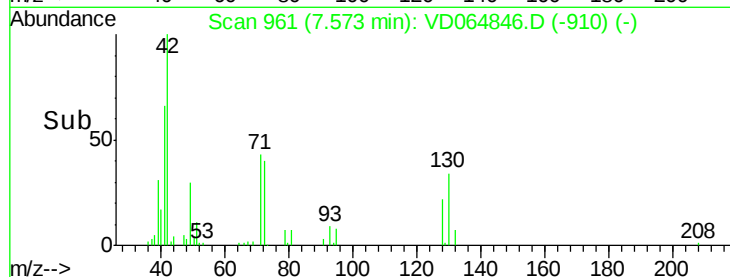
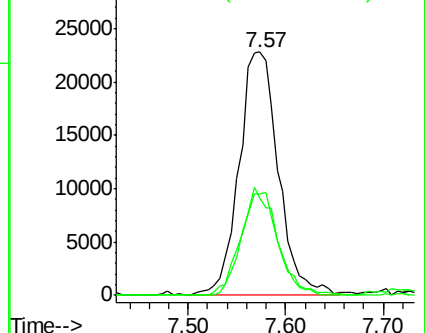
71 39.4 32.9 49.3



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: 24.705 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064846.D

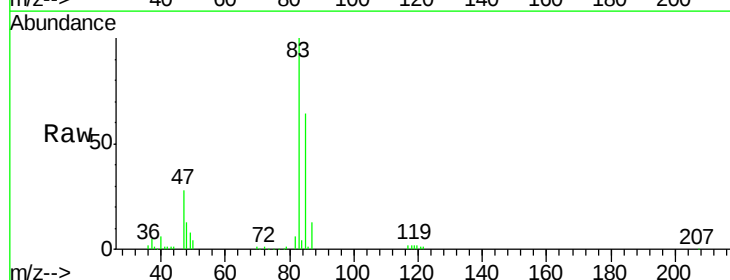
Acq: 13 Jan 2020 13:39

Tgt Ion: 83 Resp: 153952

Ion Ratio Lower Upper

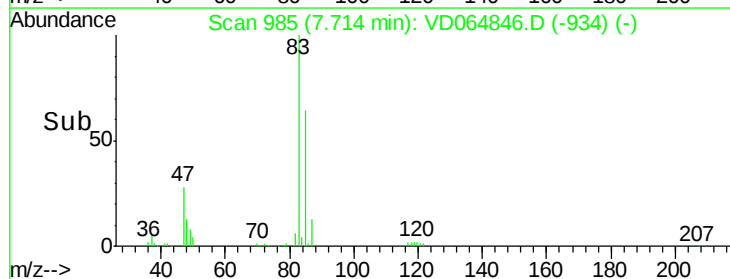
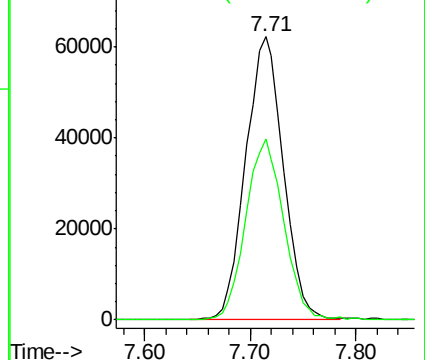
83 100

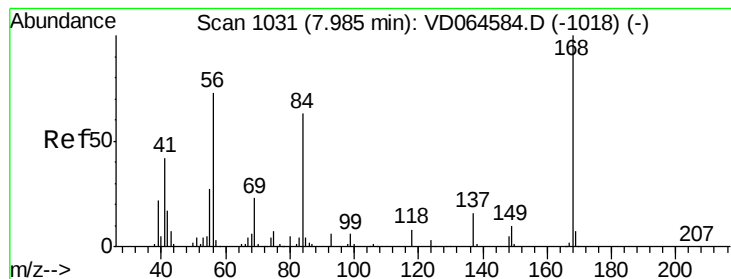
85 63.9 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 22.768 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

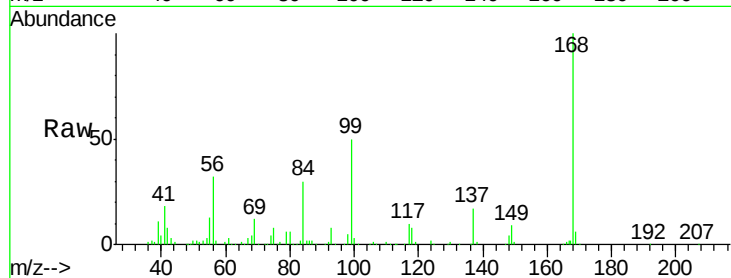
Tgt Ion: 56 Resp: 135365

Ion Ratio Lower Upper

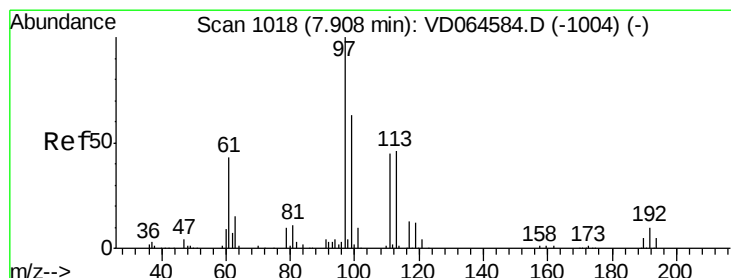
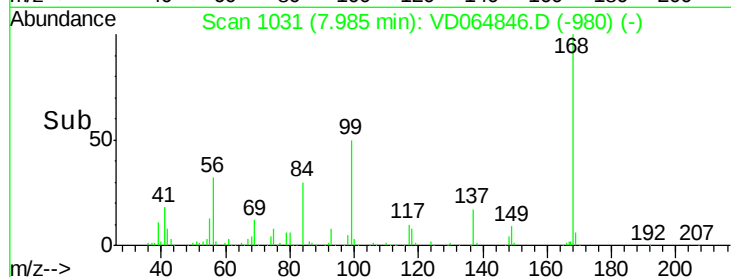
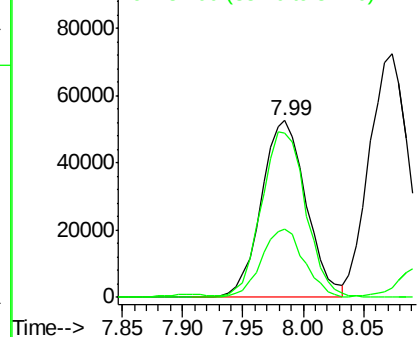
56 100

69 38.7 24.7 37.1#

84 91.5 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: 24.468 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

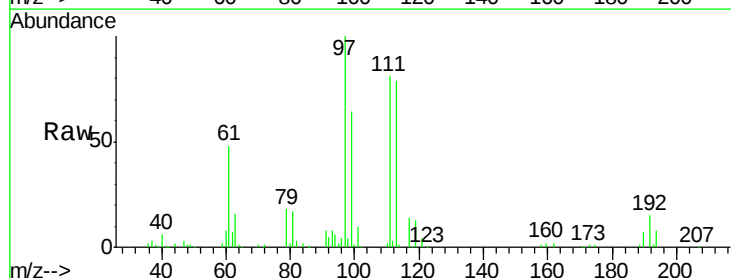
Tgt Ion: 97 Resp: 143214

Ion Ratio Lower Upper

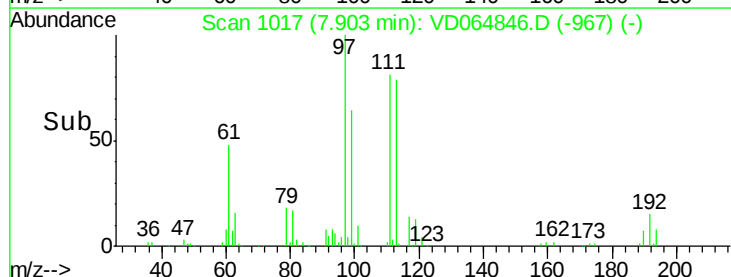
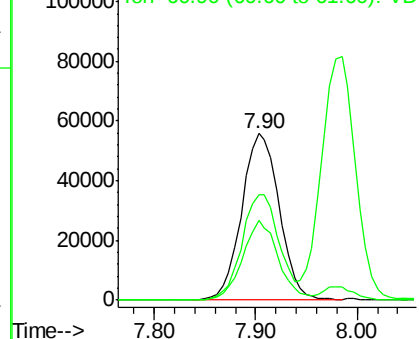
97 100

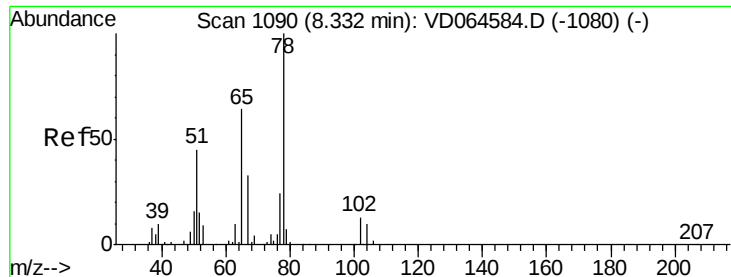
99 62.5 51.0 76.6

61 45.4 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: 57.417 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

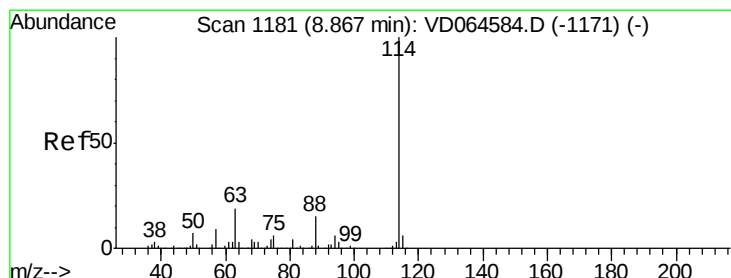
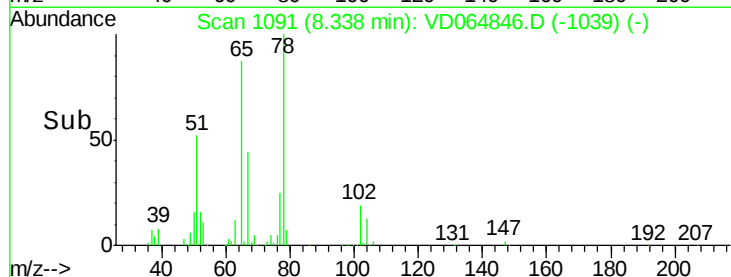
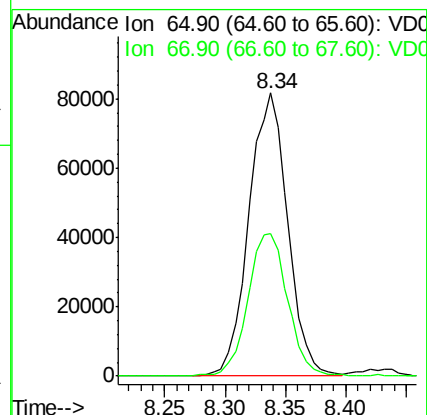
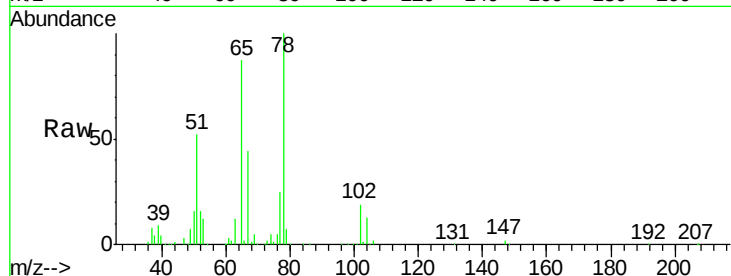
VD0113SBSD01

Tgt Ion: 65 Resp: 183086

Ion Ratio Lower Upper

65 100

67 51.5 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: VD064846.D

Acq: 13 Jan 2020 13:39

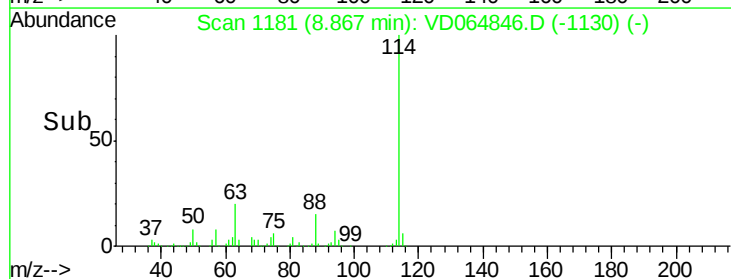
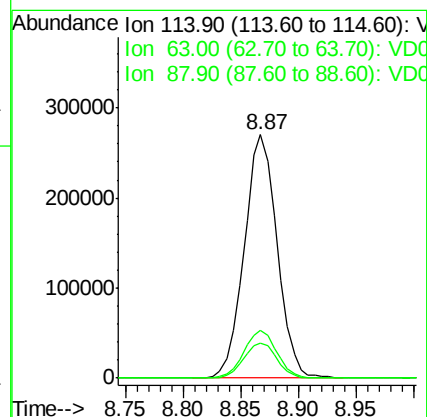
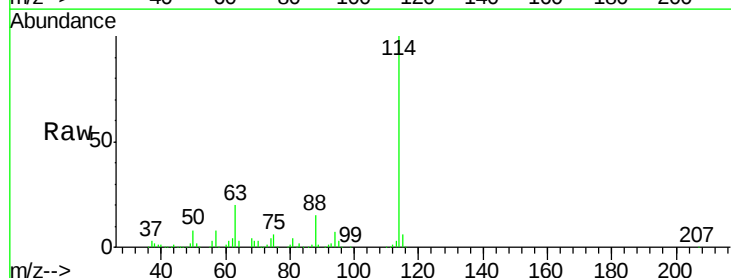
Tgt Ion: 114 Resp: 534627

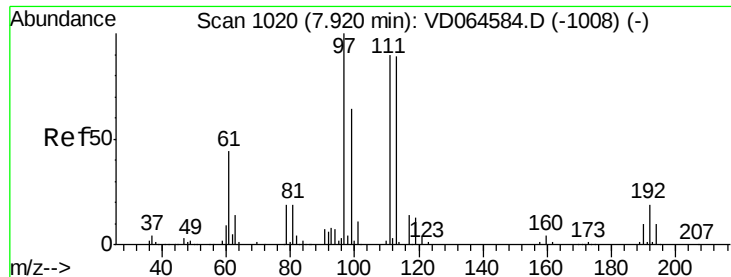
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.0

88 14.6 0.0 29.2





#35

Dibromofluoromethane

Concen: 55.122 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

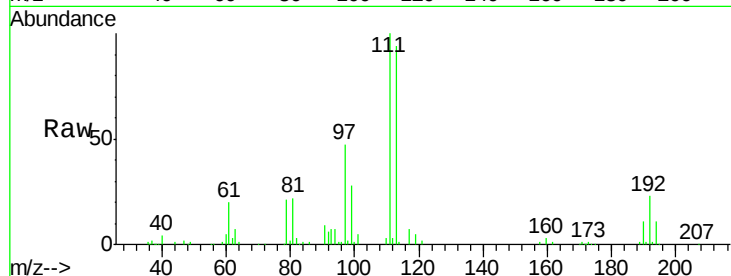
Tgt Ion:113 Resp: 180802

Ion Ratio Lower Upper

113 100

111 104.2 80.6 121.0

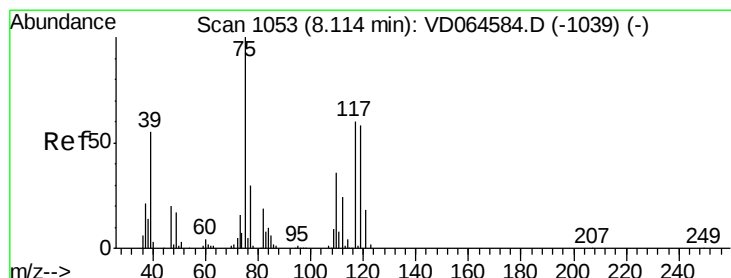
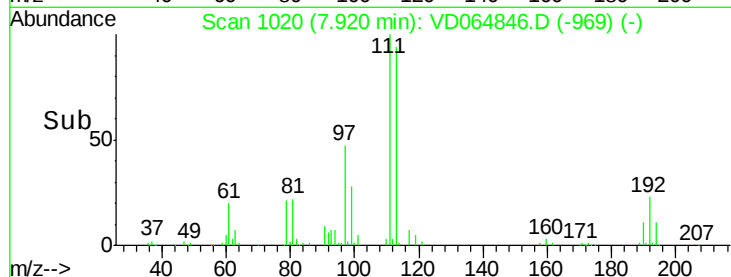
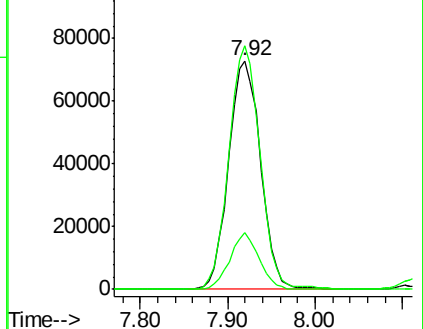
192 22.5 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 23.316 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

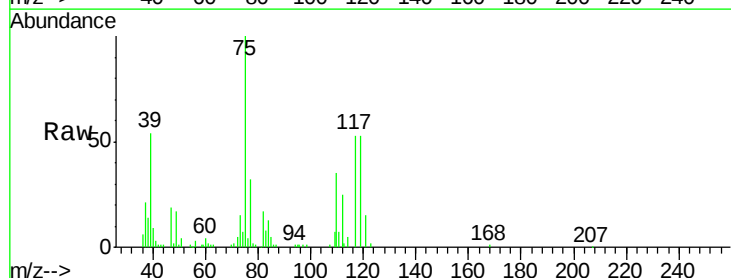
Tgt Ion: 75 Resp: 119978

Ion Ratio Lower Upper

75 100

110 35.0 18.1 54.1

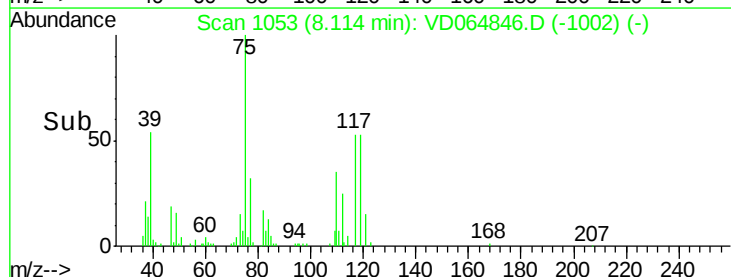
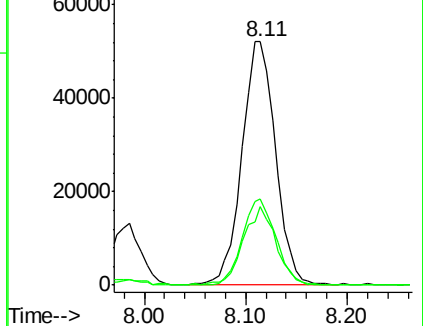
77 31.3 24.2 36.4

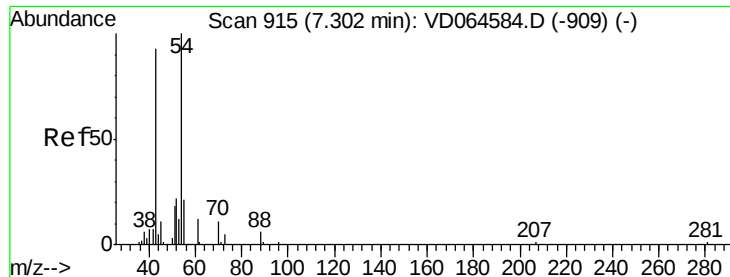


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

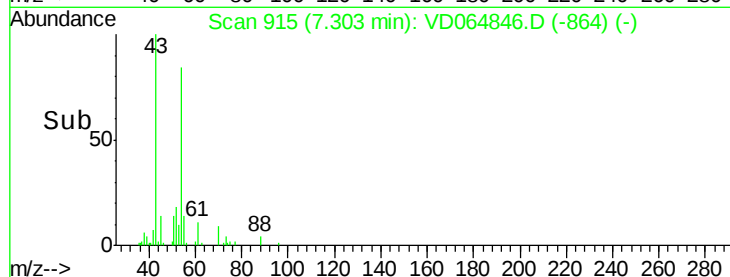
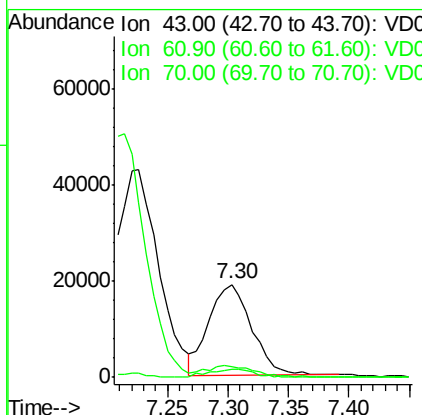
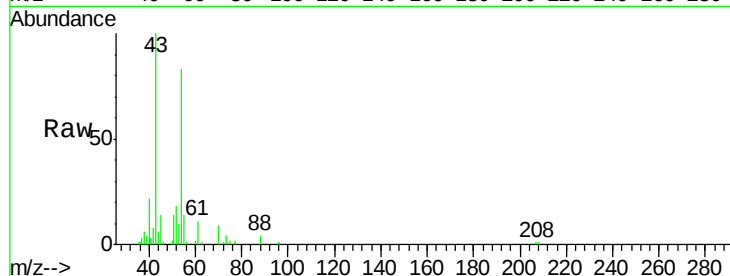




#37
Ethyl Acetate
Concen: 23.335 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

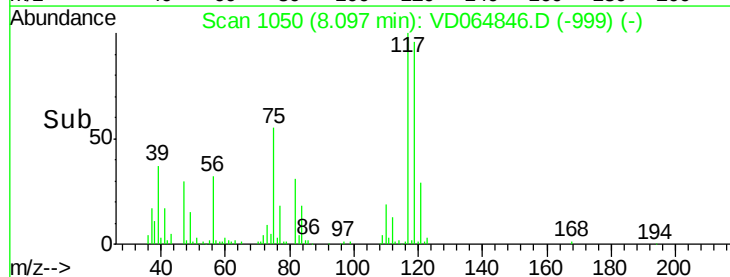
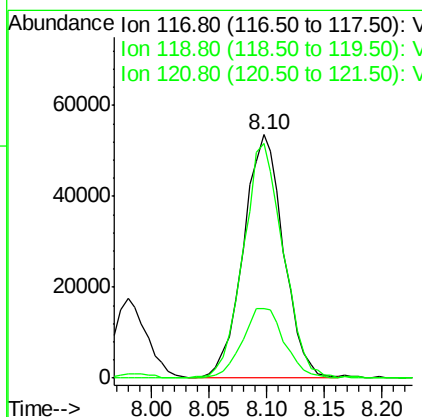
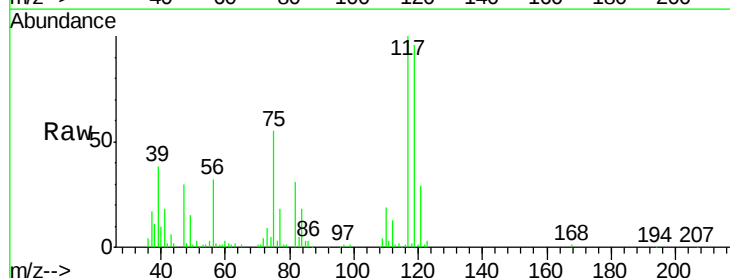
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBS01

Tgt Ion: 43 Resp: 47173
Ion Ratio Lower Upper
43 100
61 13.4 10.3 15.5
70 9.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 23.641 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 117 Resp: 129714
Ion Ratio Lower Upper
117 100
119 96.2 77.3 115.9
121 28.8 25.0 37.6

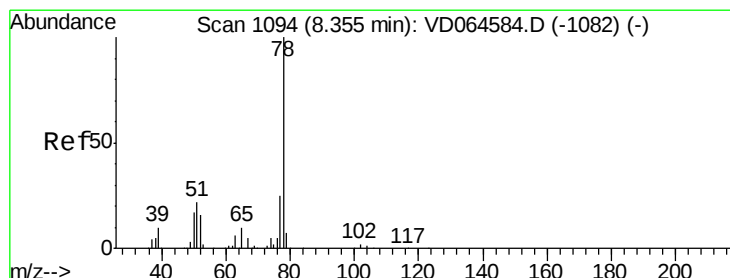
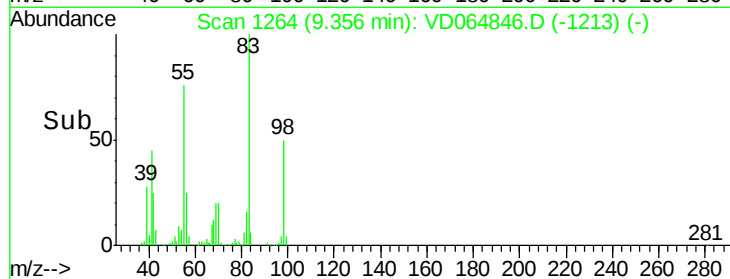
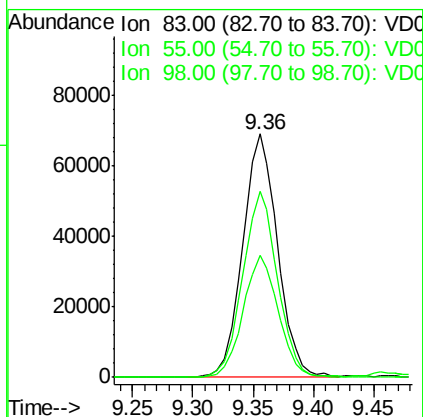
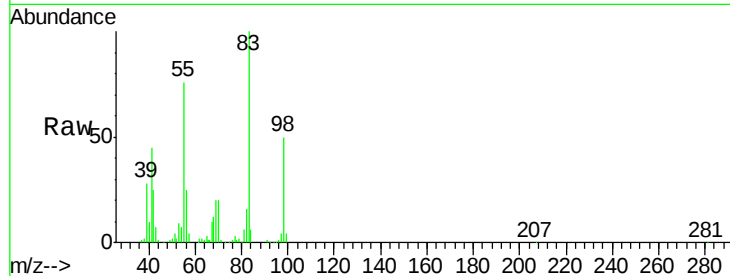




#39
Methylcyclohexane
Concen: 22.256 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

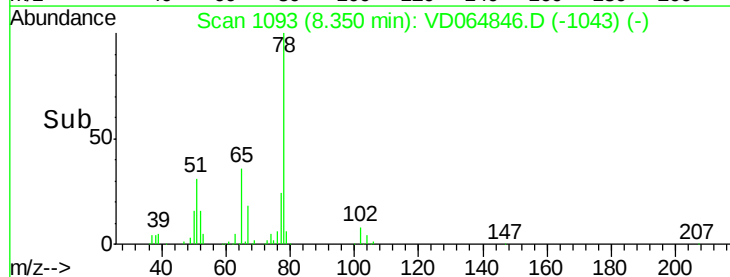
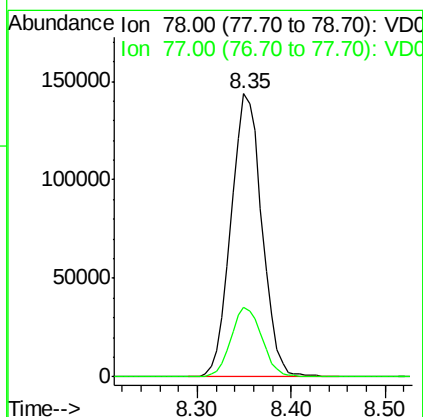
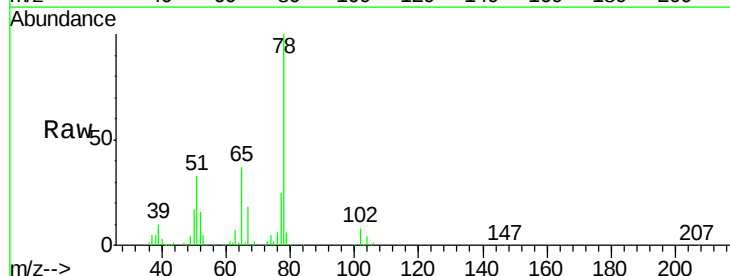
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

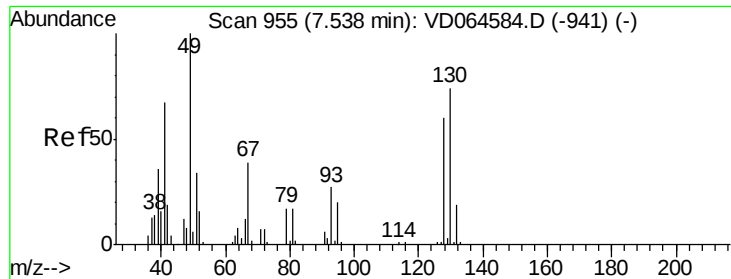
Tgt Ion: 83 Resp: 138709
Ion Ratio Lower Upper
83 100
55 76.4 57.8 86.6
98 50.1 38.7 58.1



#40
Benzene
Concen: 23.341 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 78 Resp: 327885
Ion Ratio Lower Upper
78 100
77 24.5 19.9 29.9





#41

Methacrylonitrile

Concen: 23.502 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

Tgt Ion: 41 Resp: 27565

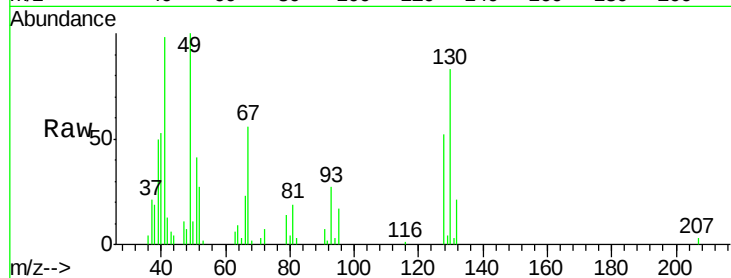
Ion Ratio Lower Upper

41 100

39 60.9 46.7 70.1

67 67.5 52.5 78.7

52 33.3 24.1 36.1

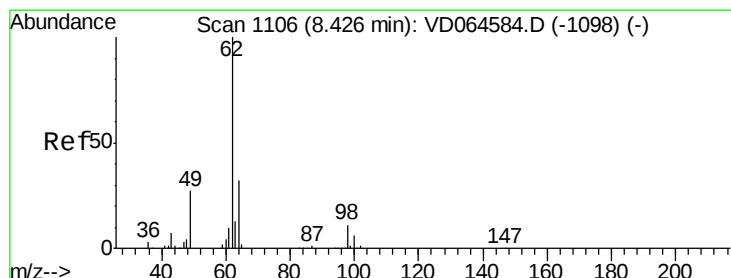
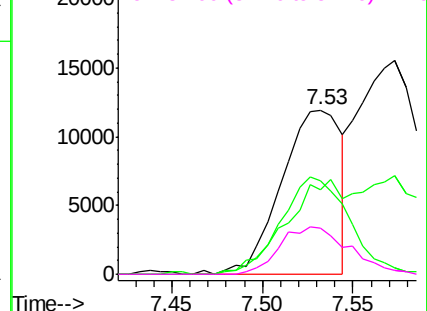
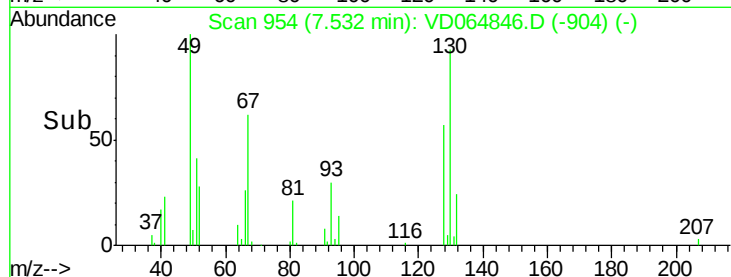


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 24.648 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064846.D

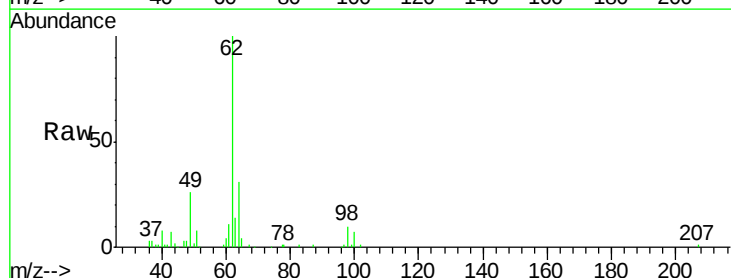
Acq: 13 Jan 2020 13:39

Tgt Ion: 62 Resp: 100053

Ion Ratio Lower Upper

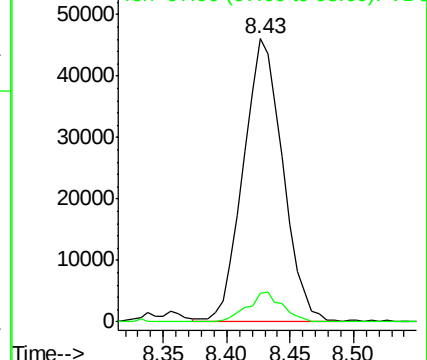
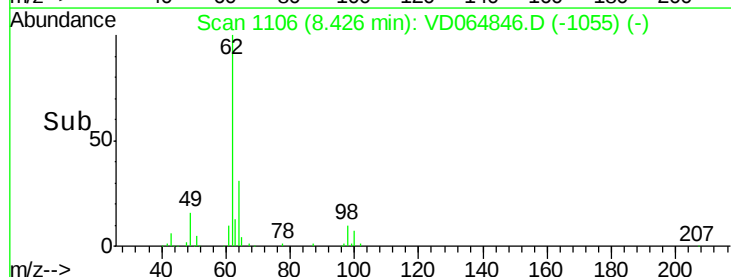
62 100

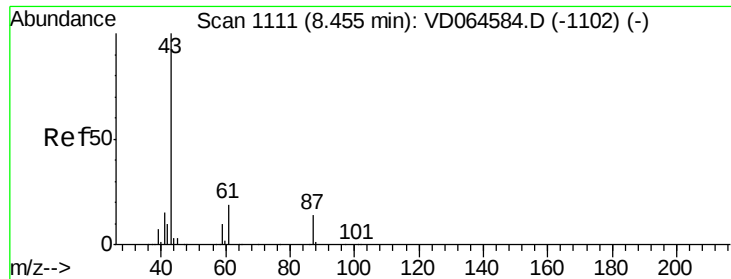
98 9.3 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 23.137 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

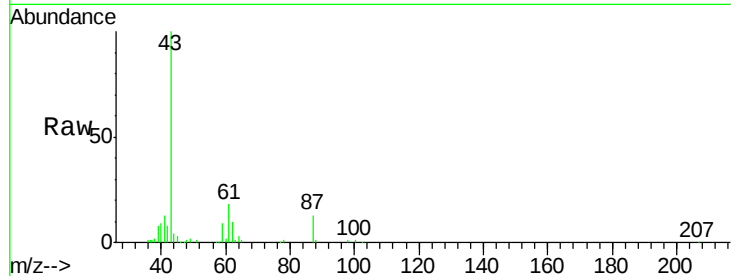
Tgt Ion: 43 Resp: 93094

Ion Ratio Lower Upper

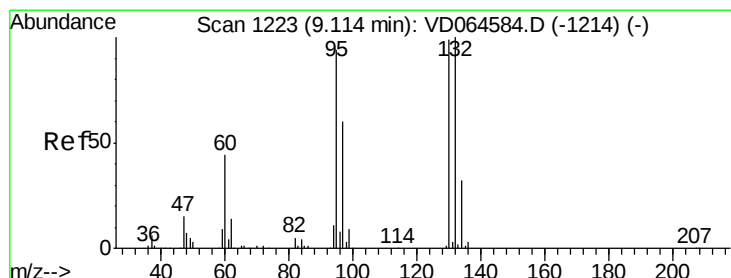
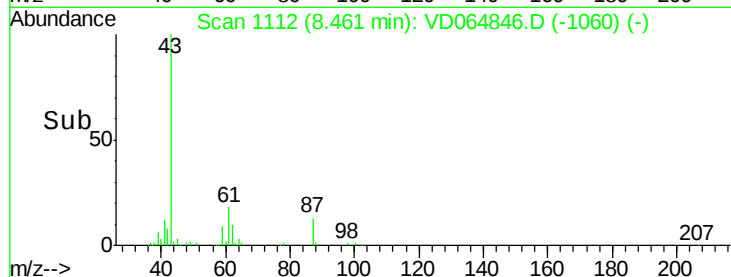
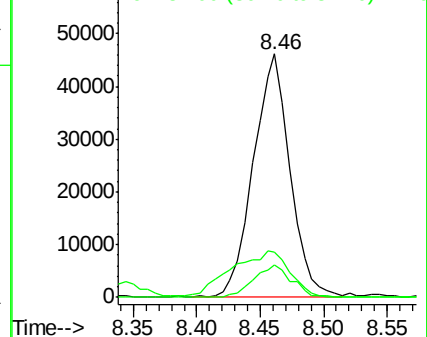
43 100

61 30.4 23.7 35.5

87 13.6 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: 22.899 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064846.D

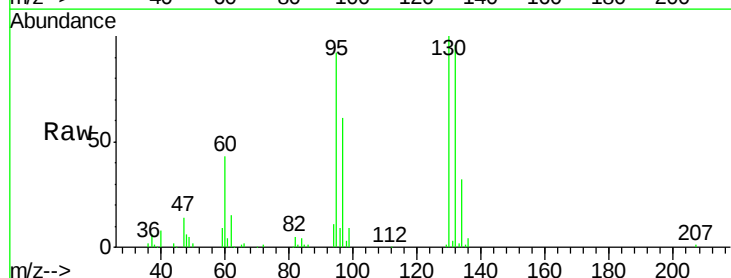
Acq: 13 Jan 2020 13:39

Tgt Ion: 130 Resp: 94497

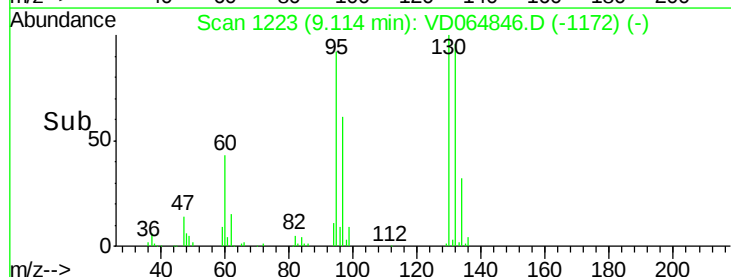
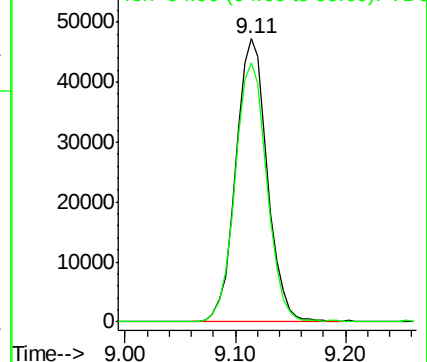
Ion Ratio Lower Upper

130 100

95 91.5 0.0 190.2



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

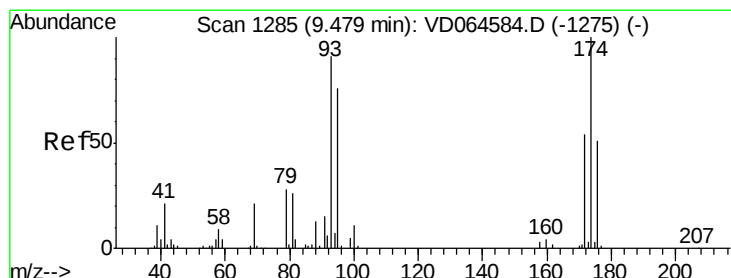
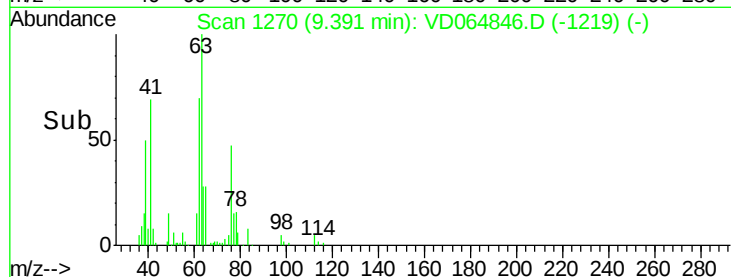
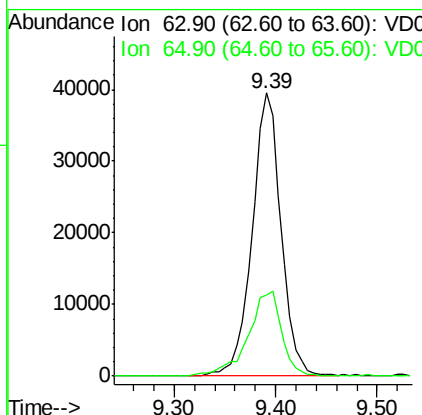
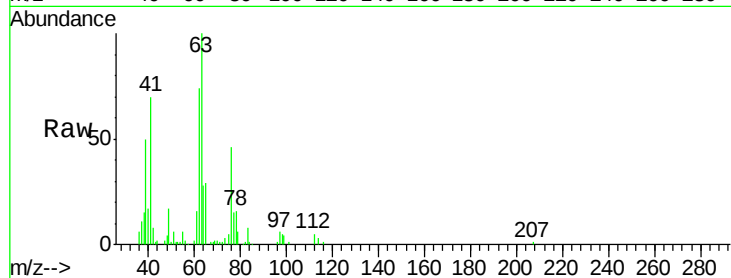




#45
 1,2-Dichloropropane
 Concen: 23.389 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

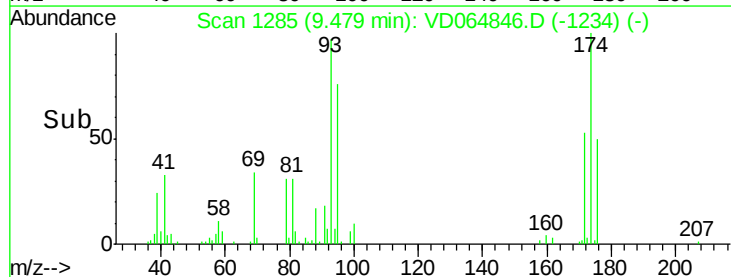
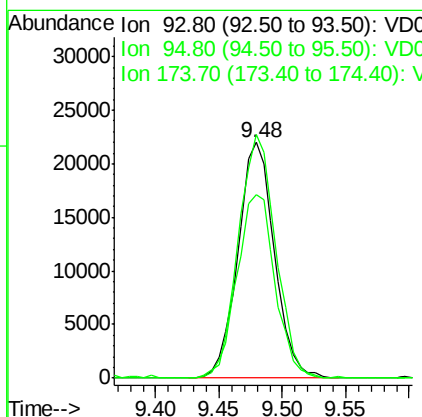
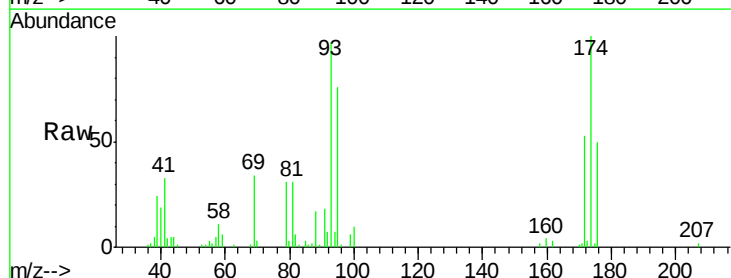
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

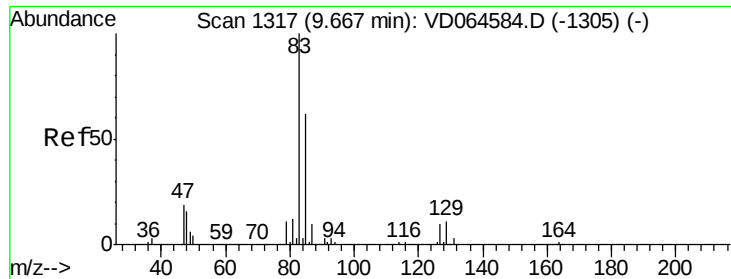
Tgt Ion: 63 Resp: 78448
 Ion Ratio Lower Upper
 63 100
 65 28.6 25.2 37.8



#46
 Dibromomethane
 Concen: 23.474 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion: 93 Resp: 43896
 Ion Ratio Lower Upper
 93 100
 95 81.3 64.6 97.0
 174 105.2 88.1 132.1

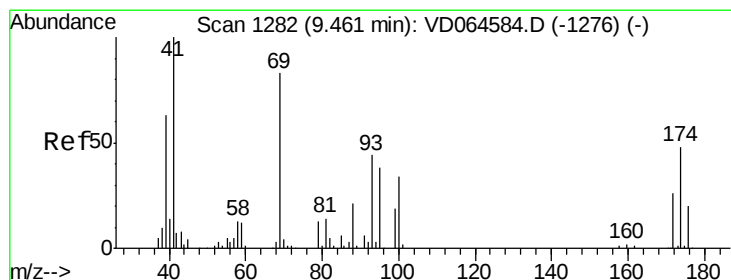
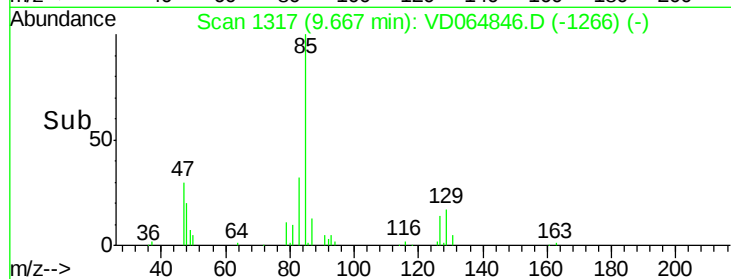
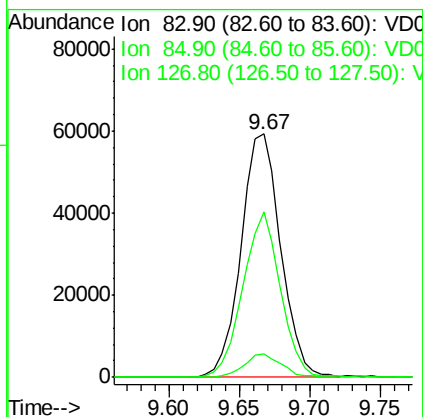
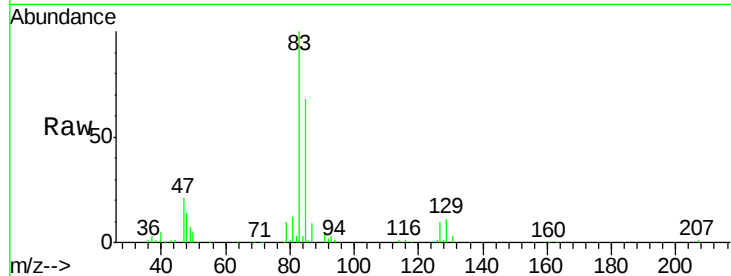




#47
Bromodichloromethane
Concen: 23.503 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

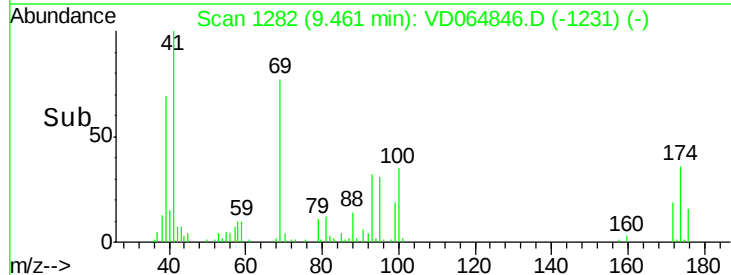
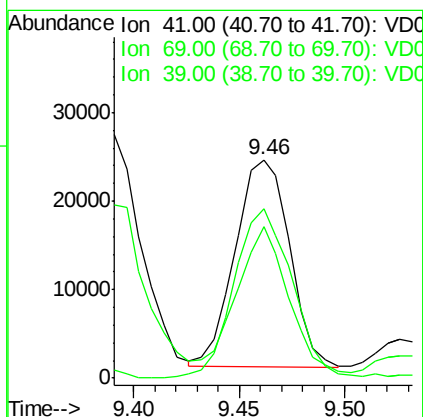
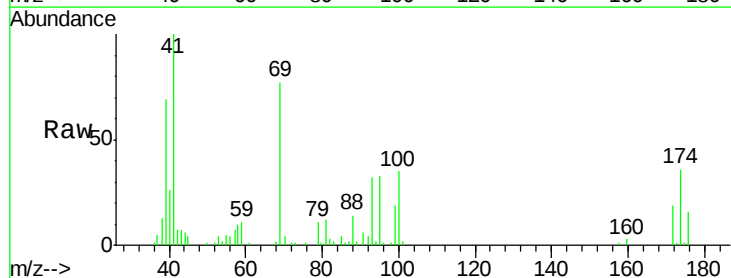
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

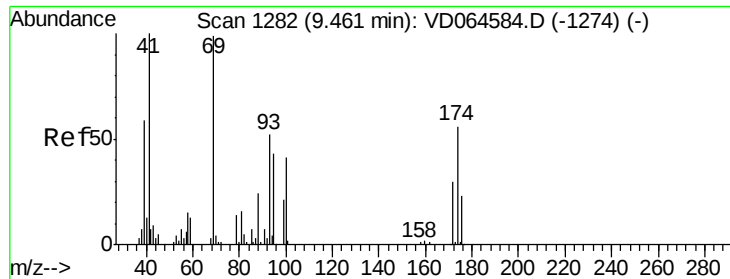
Tgt Ion: 83 Resp: 116949
Ion Ratio Lower Upper
83 100
85 68.1 49.5 74.3
127 9.7 7.8 11.6



#48
Methyl methacrylate
Concen: 22.150 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 41 Resp: 41964
Ion Ratio Lower Upper
41 100
69 87.2 63.0 94.6
39 73.1 47.4 71.2#

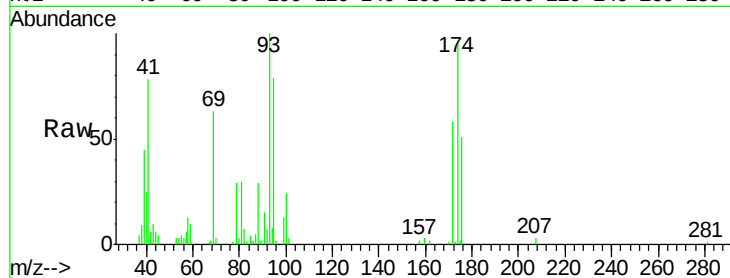




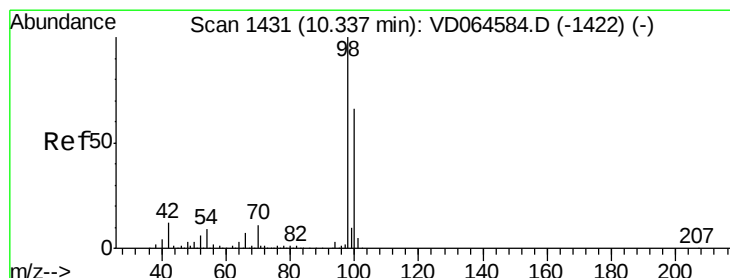
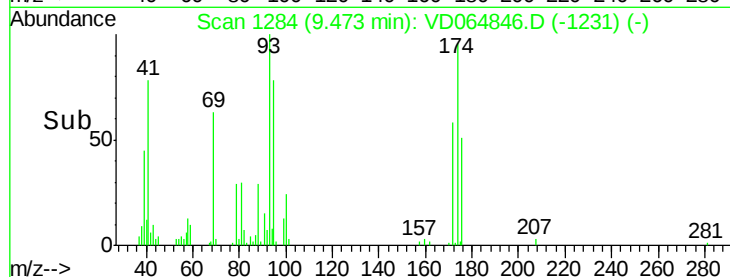
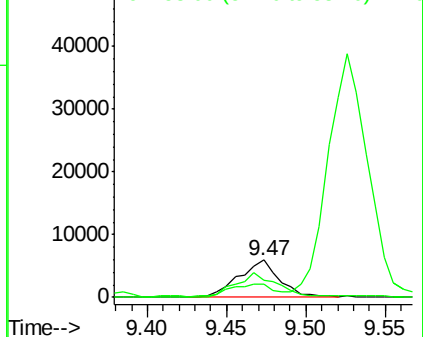
#49
1,4-Dioxane
Concen: 490.539 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tgt Ion: 88 Resp: 10577
Ion Ratio Lower Upper
88 100
43 38.8 27.7 41.5
58 65.5 53.8 80.6

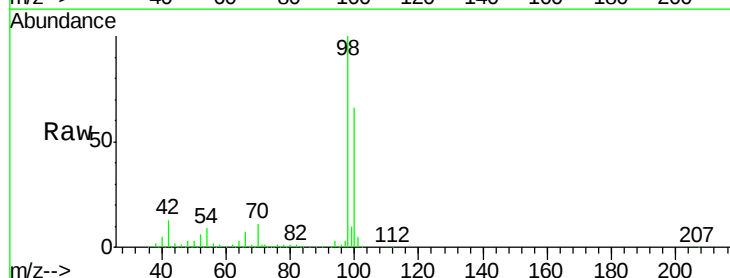


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

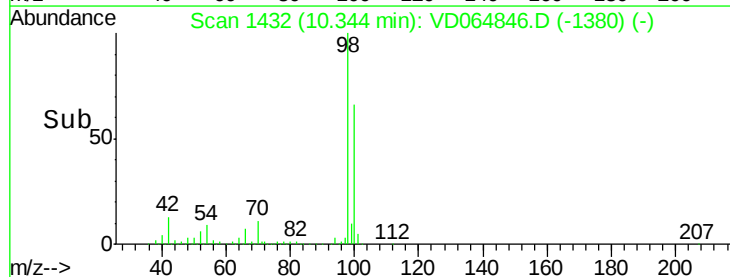
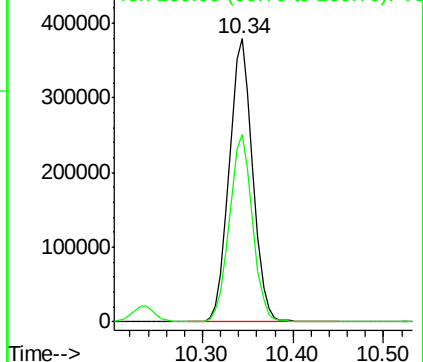


#50
Toluene-d8
Concen: 54.475 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 98 Resp: 684323
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



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

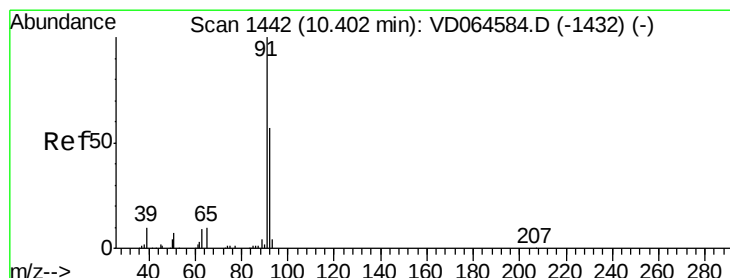
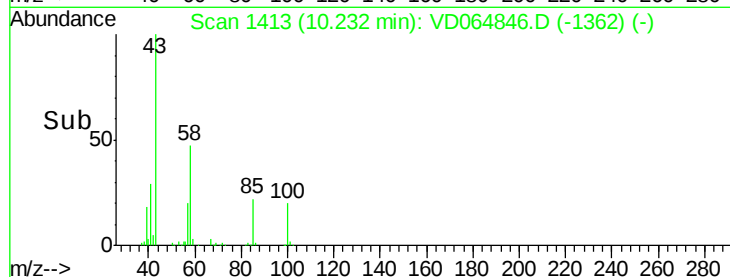
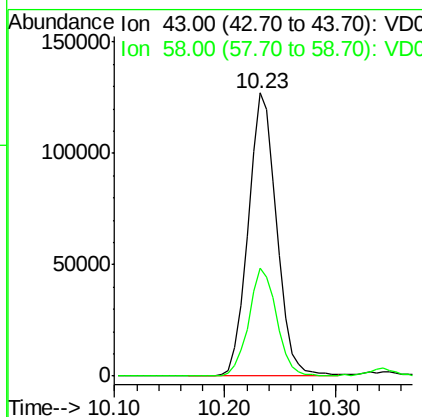
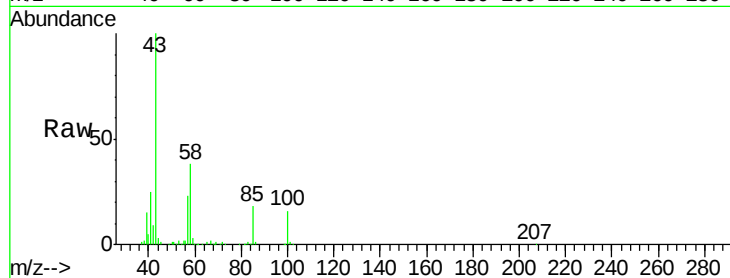




#51
 4-Methyl-2-Pentanone
 Concen: 115.738 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

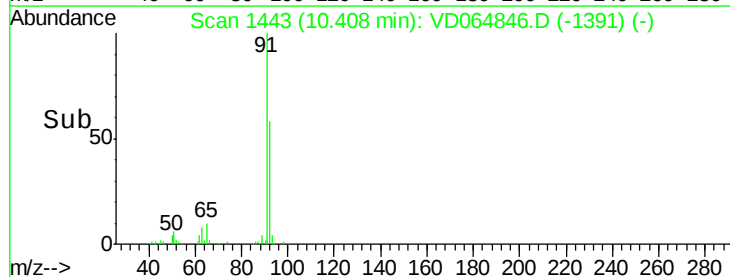
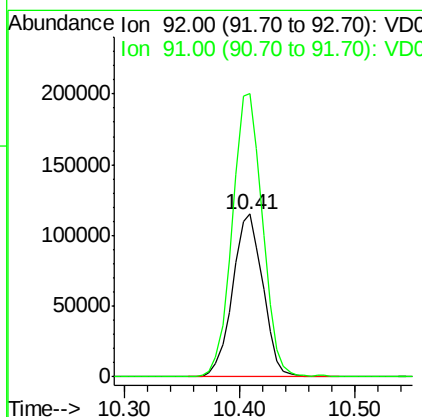
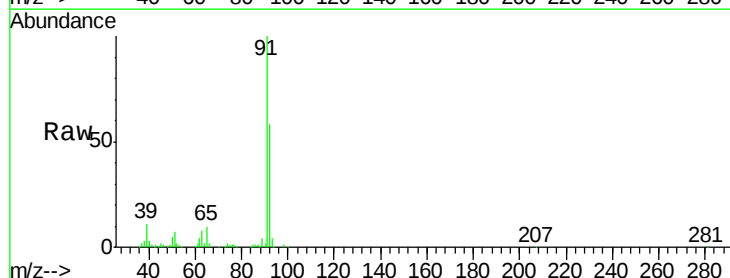
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

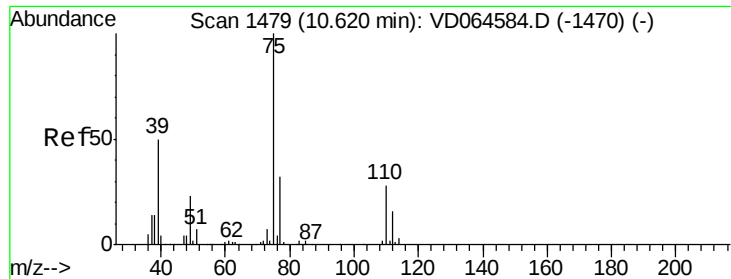
Tgt Ion: 43 Resp: 230181
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.2 45.2



#52
 Toluene
 Concen: 22.750 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion: 92 Resp: 209672
 Ion Ratio Lower Upper
 92 100
 91 173.5 138.7 208.1

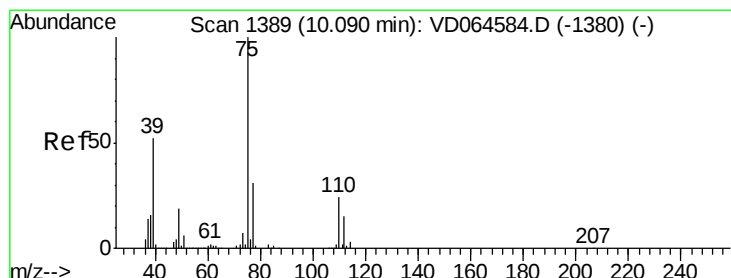
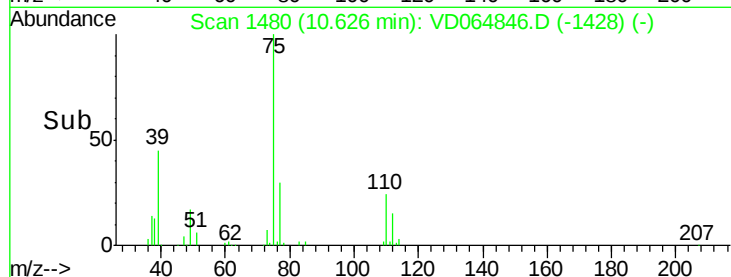
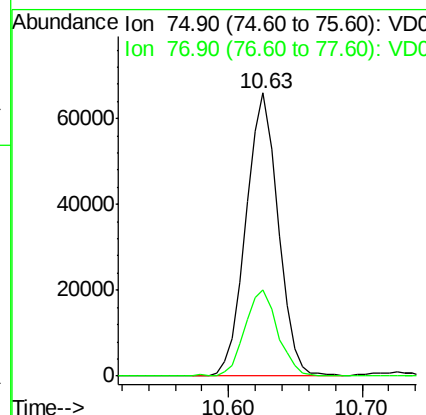
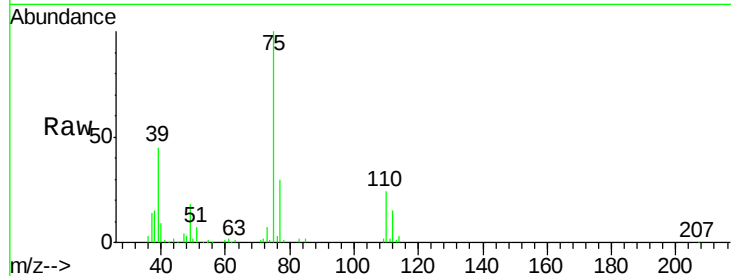




#53
t-1,3-Dichloropropene
Concen: 23.683 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

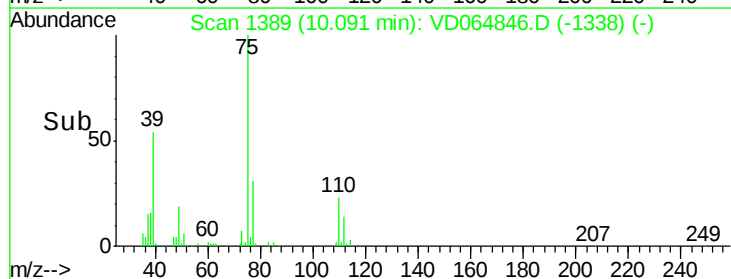
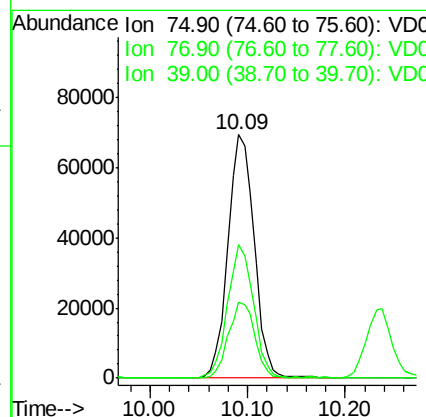
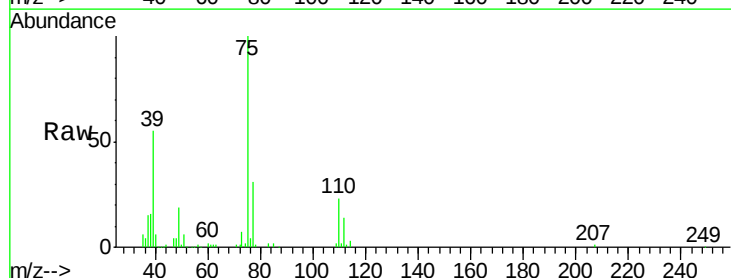
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

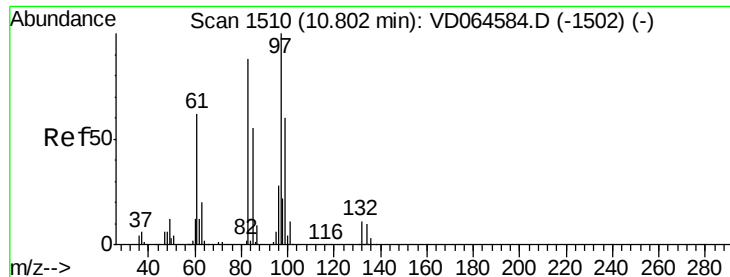
Tgt Ion: 75 Resp: 109867
Ion Ratio Lower Upper
75 100
77 30.3 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 23.790 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 75 Resp: 130136
Ion Ratio Lower Upper
75 100
77 31.1 24.6 36.8
39 54.7 41.4 62.2

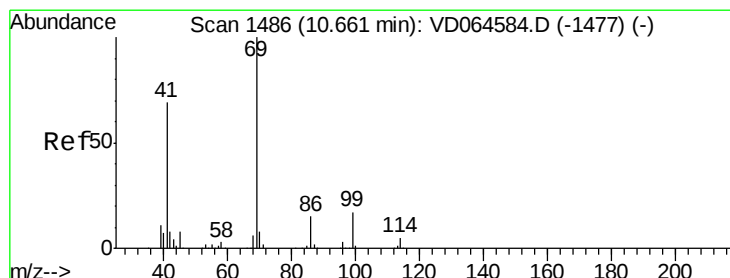
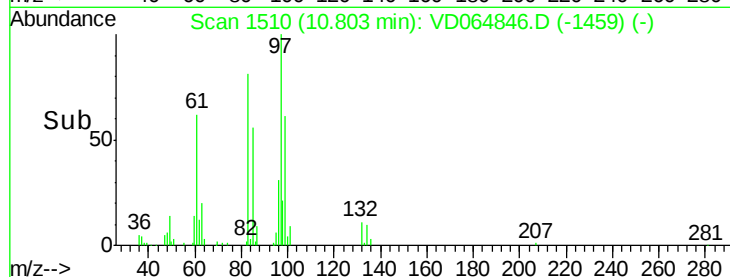
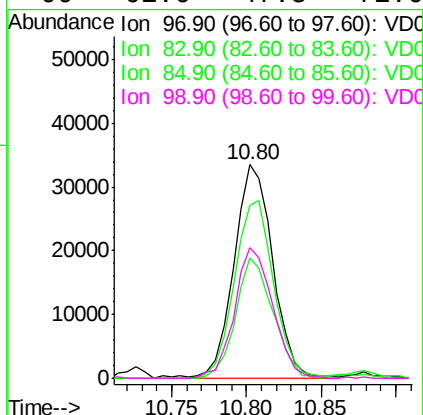
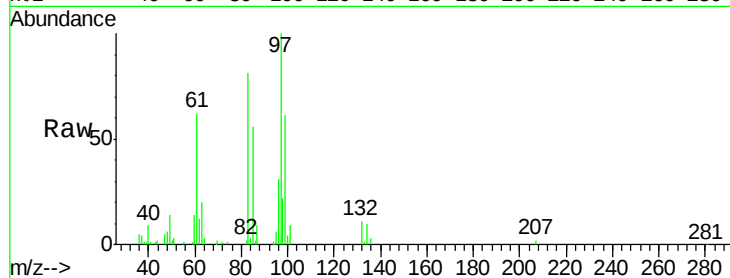




#55
 1,1,2-Trichloroethane
 Concen: 23.851 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

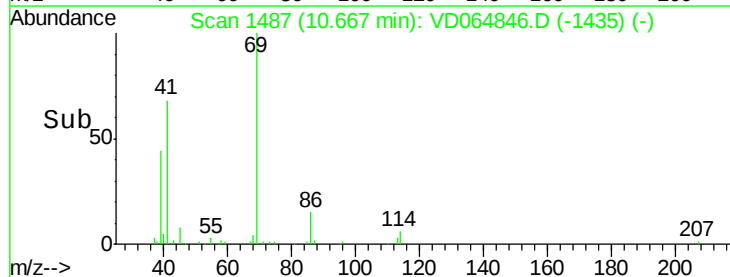
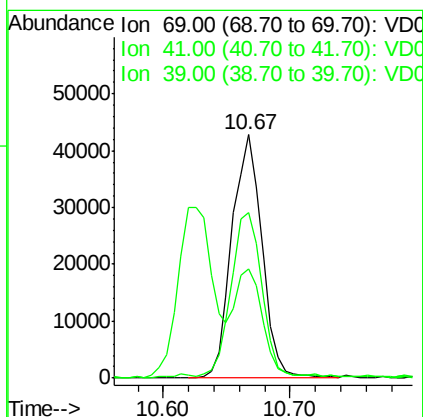
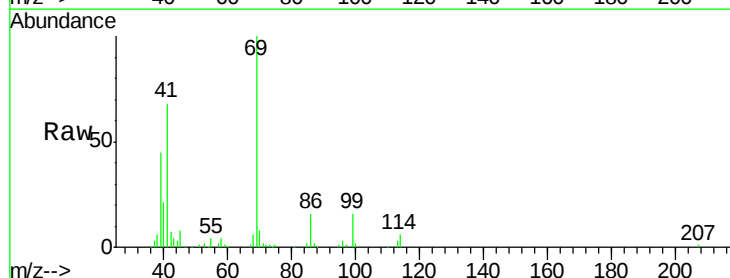
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBS01

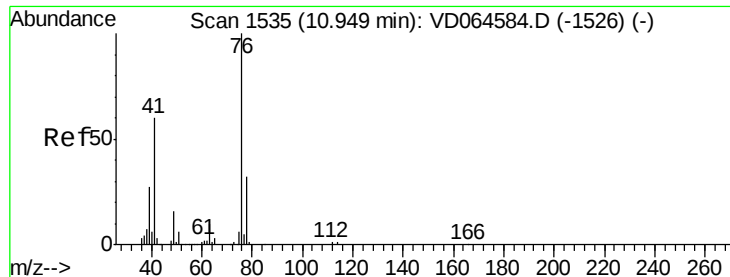
Tgt Ion: 97 Resp: 60106
 Ion Ratio Lower Upper
 97 100
 83 81.2 70.2 105.4
 85 56.4 44.0 66.0
 99 61.6 47.8 71.6



#56
 Ethyl methacrylate
 Concen: 22.321 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion: 69 Resp: 70251
 Ion Ratio Lower Upper
 69 100
 41 67.3 55.3 82.9
 39 41.7 33.8 50.8





#57

1,3-Dichloropropane

Concen: 23.172 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

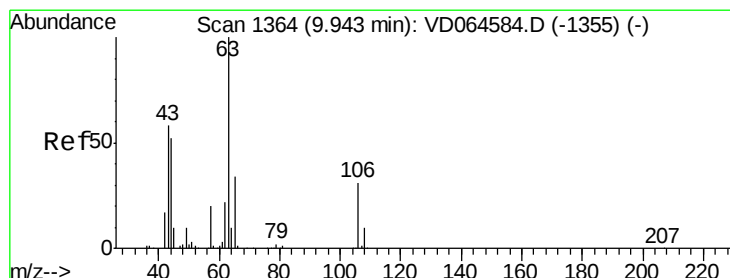
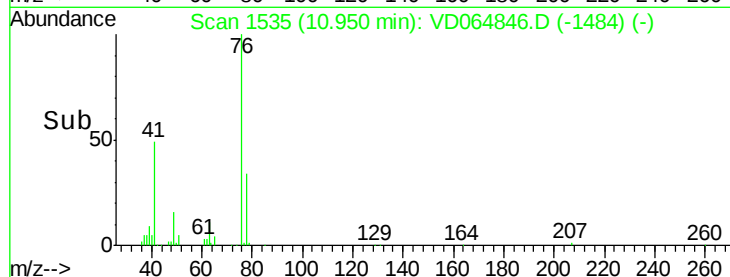
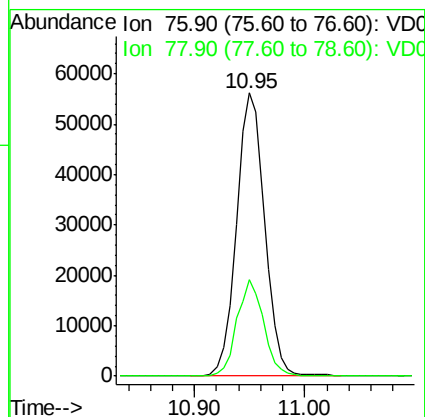
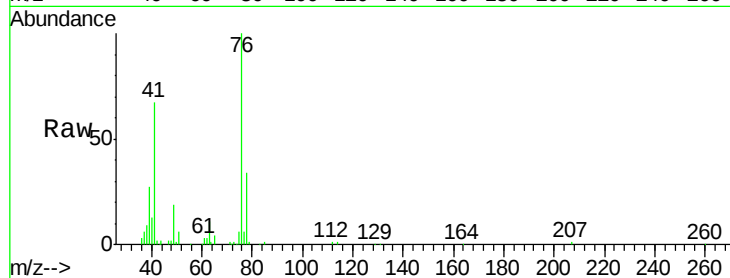
VD0113SBSD01

Tgt Ion: 76 Resp: 100548

Ion Ratio Lower Upper

76 100

78 32.2 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 123.737 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064846.D

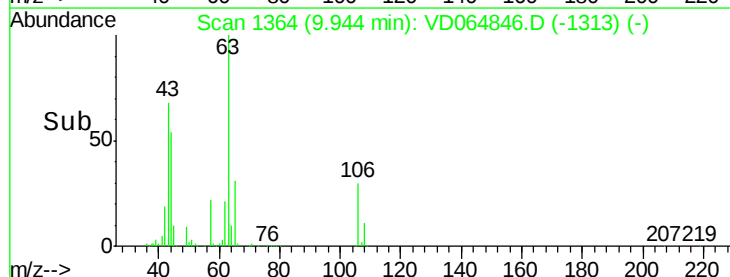
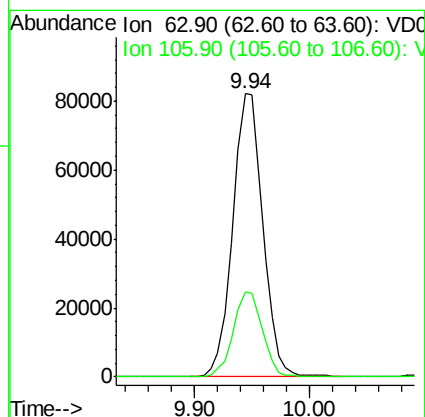
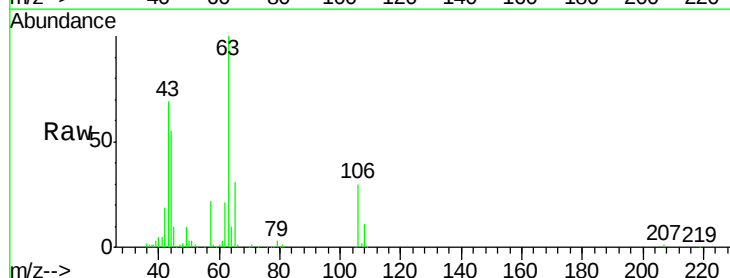
Acq: 13 Jan 2020 13:39

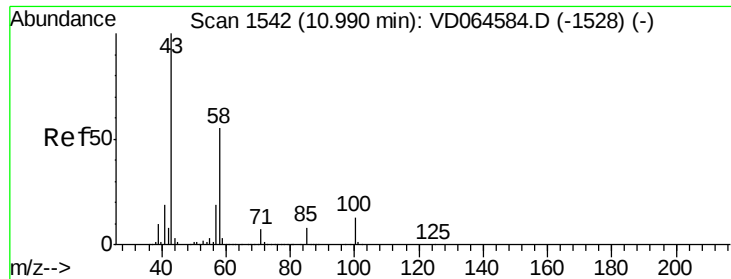
Tgt Ion: 63 Resp: 148372

Ion Ratio Lower Upper

63 100

106 29.2 23.8 35.8

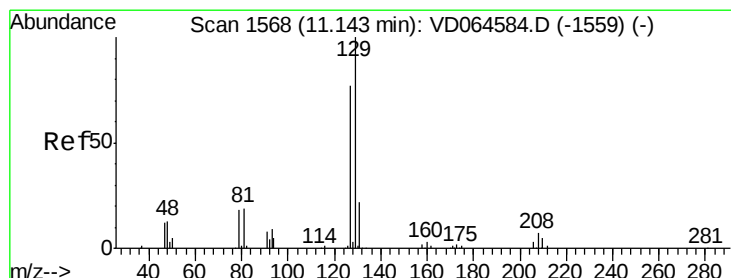
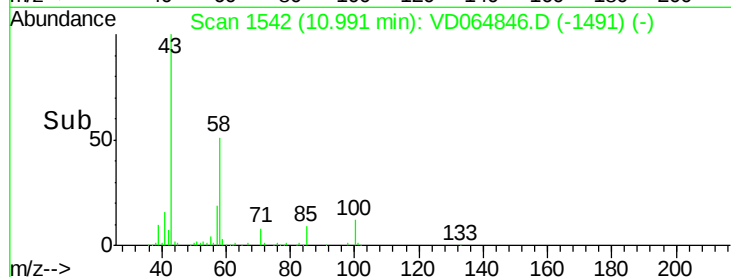
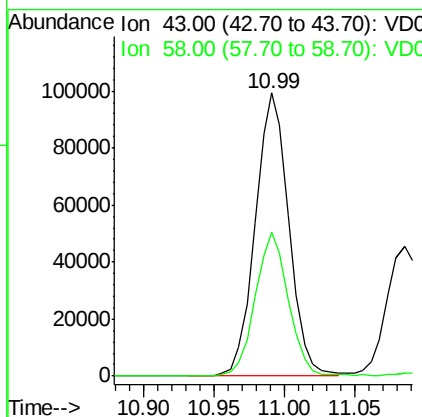
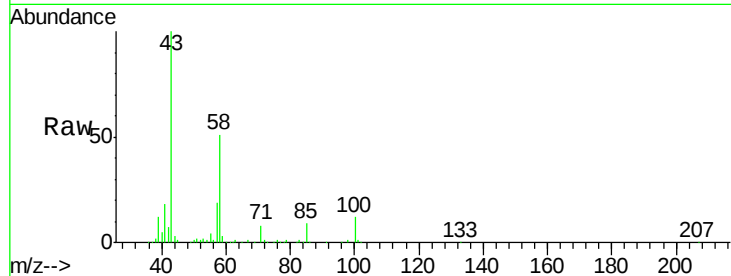




#59
2-Hexanone
Concen: 122.738 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

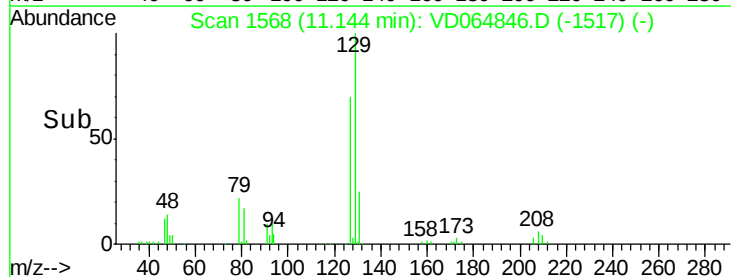
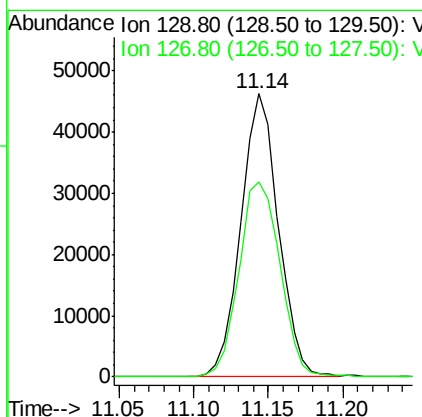
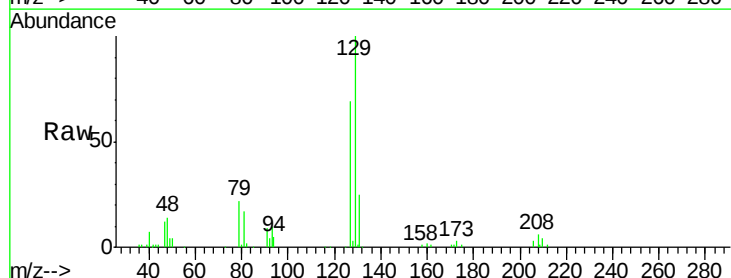
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

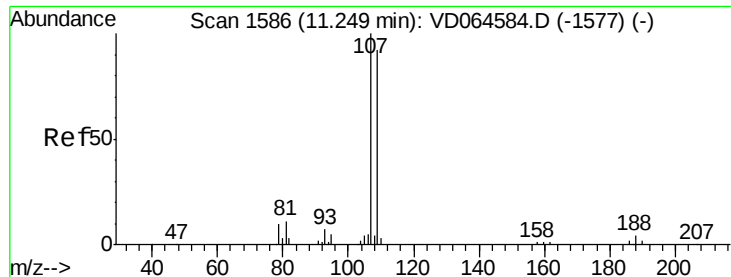
Tgt Ion: 43 Resp: 165678
Ion Ratio Lower Upper
43 100
58 50.2 26.4 79.0



#60
Dibromochloromethane
Concen: 23.069 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 129 Resp: 80393
Ion Ratio Lower Upper
129 100
127 75.7 38.4 115.2

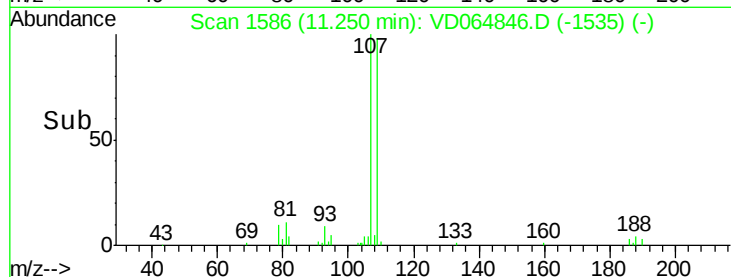
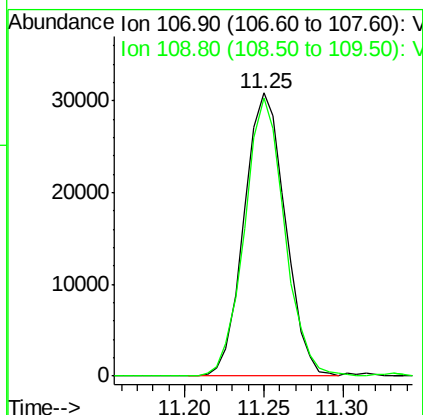
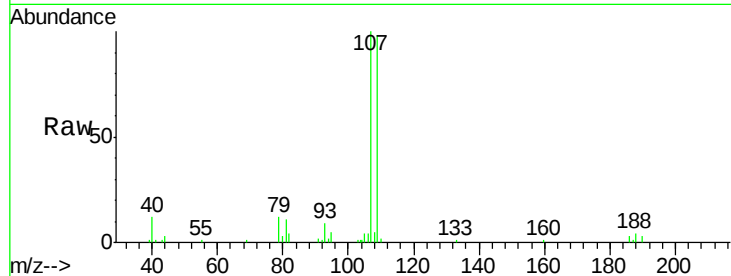




#61
 1,2-Dibromoethane
 Concen: 22.415 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

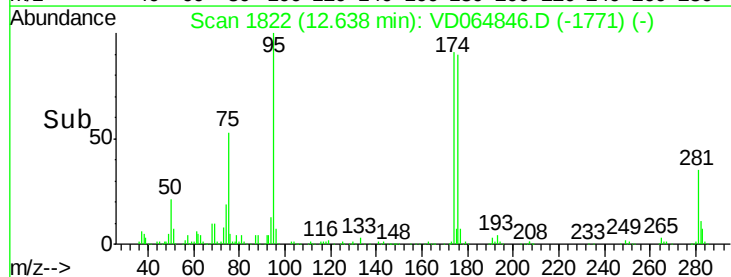
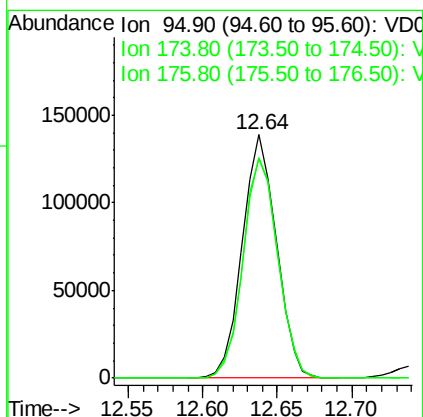
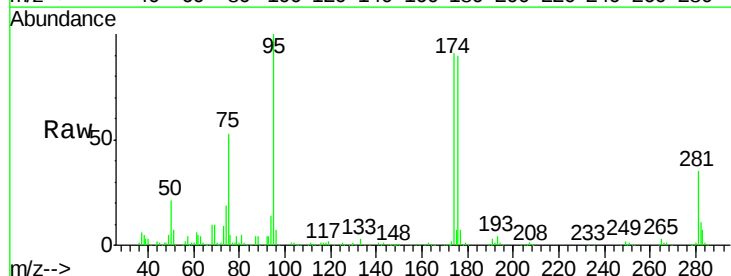
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

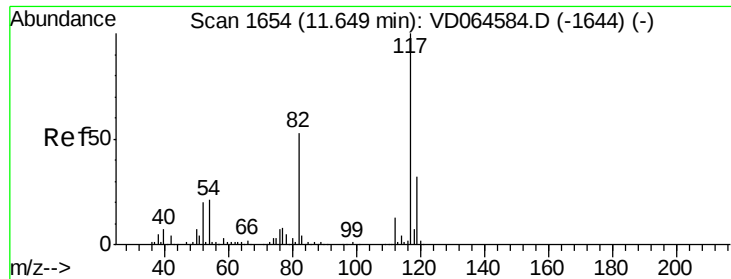
Tgt Ion: 107 Resp: 55716
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 55.427 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion: 95 Resp: 220170
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 193.2
 176 92.0 0.0 184.2

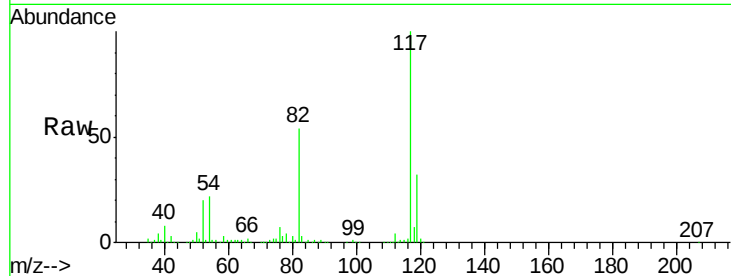




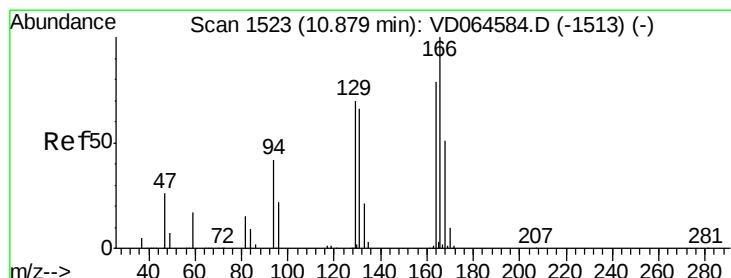
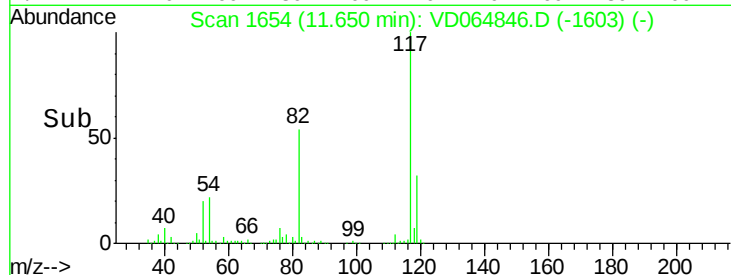
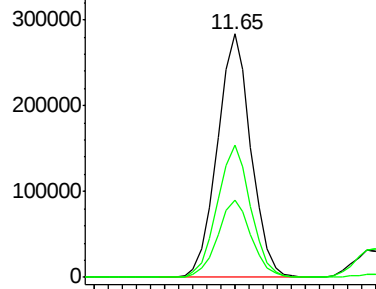
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

Tgt Ion:117 Resp: 473590
Ion Ratio Lower Upper
117 100
82 54.1 42.2 63.4
119 31.8 26.0 39.0



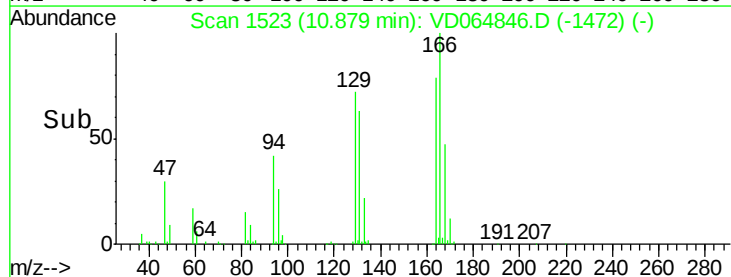
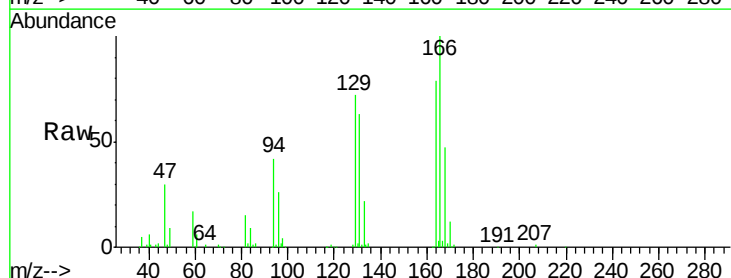
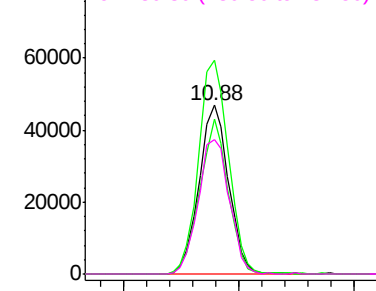
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

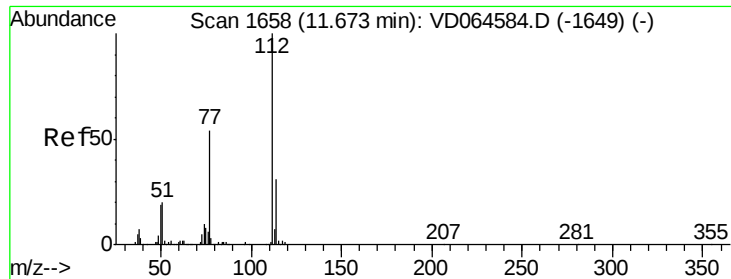


#64
Tetrachloroethene
Concen: 22.930 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion:164 Resp: 83313
Ion Ratio Lower Upper
164 100
166 126.6 101.3 151.9
129 91.5 70.5 105.7
131 79.4 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

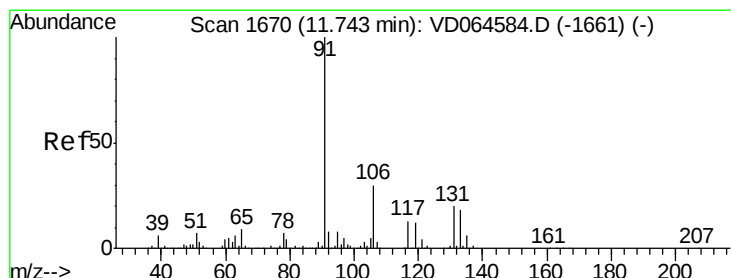
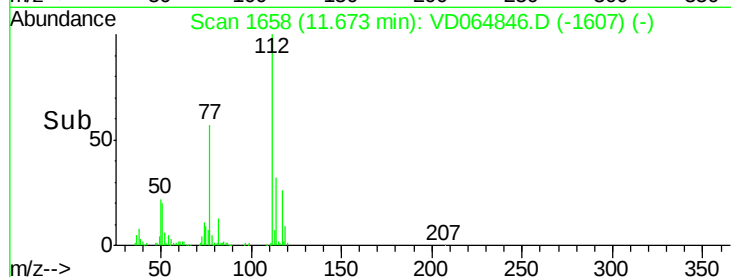
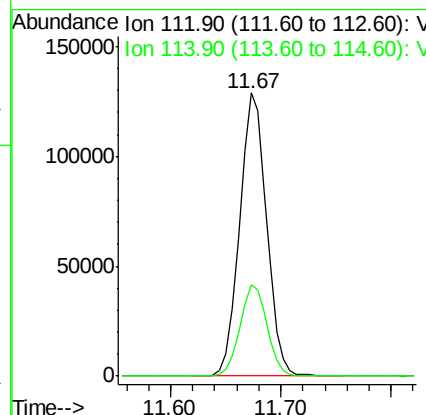
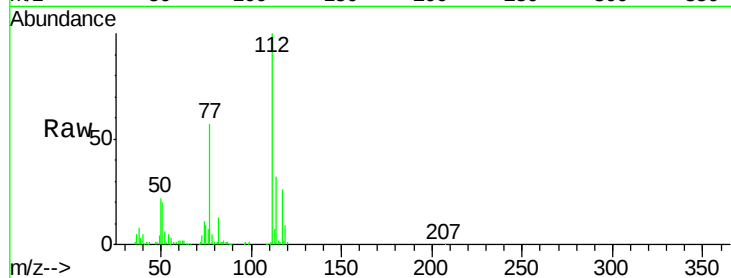




#65
Chlorobenzene
Concen: 22.508 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

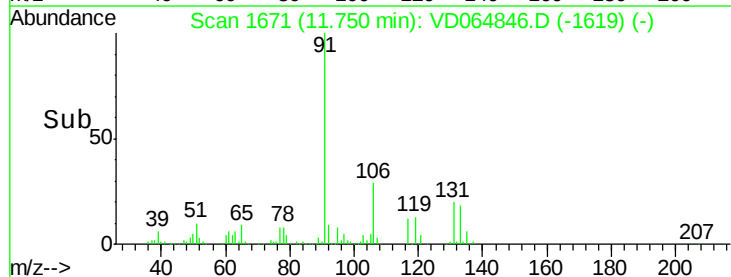
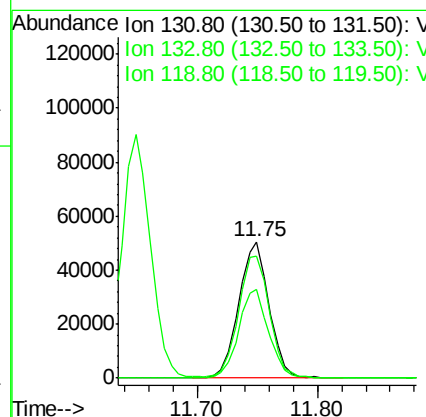
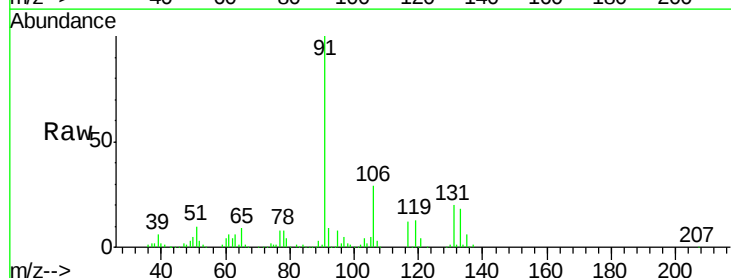
Instrument :
MSVOA_D
ClientSampleId :
VD0113BSD01

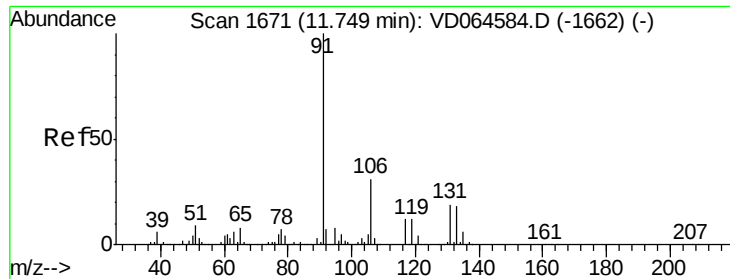
Tgt Ion:112 Resp: 221239
Ion Ratio Lower Upper
112 100
114 32.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 23.718 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion:131 Resp: 87886
Ion Ratio Lower Upper
131 100
133 92.8 48.3 144.8
119 64.4 32.1 96.3

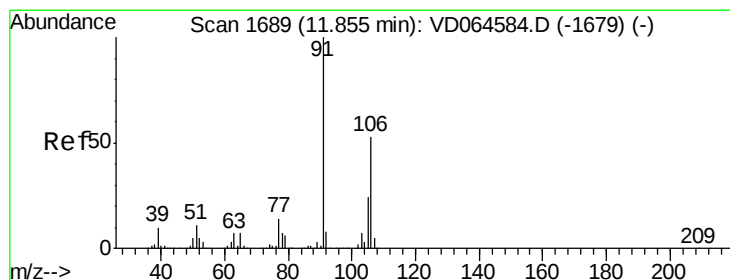
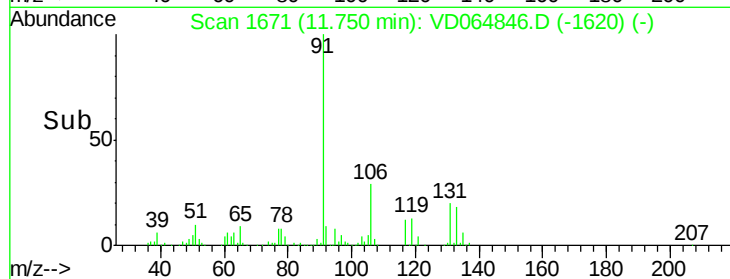
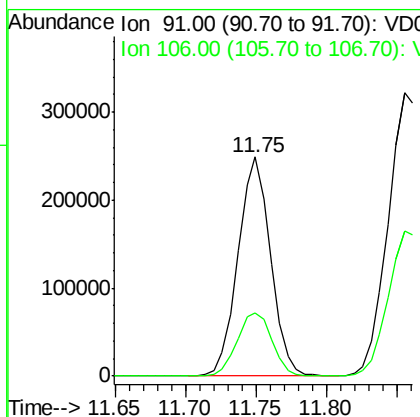
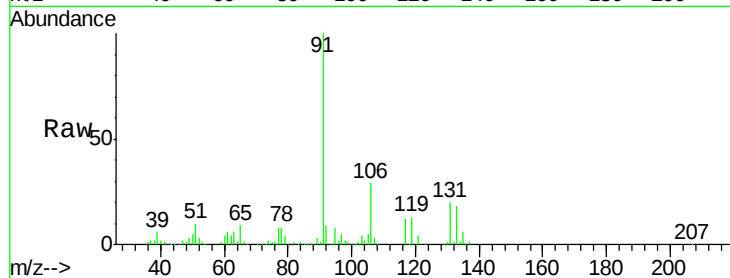




#67
Ethyl Benzene
Concen: 22.489 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

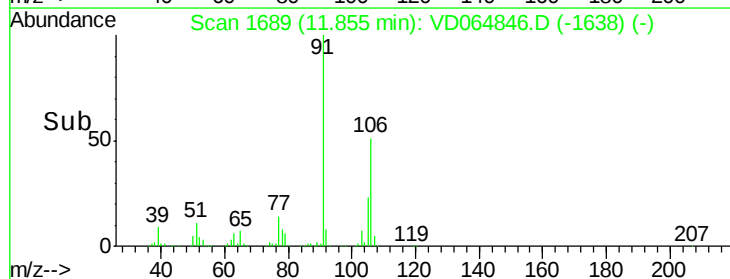
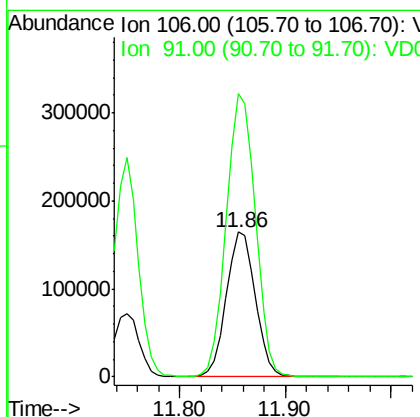
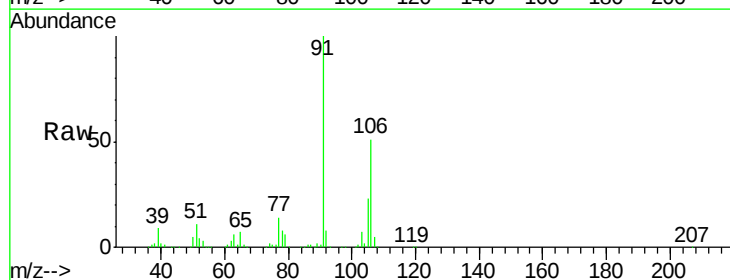
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

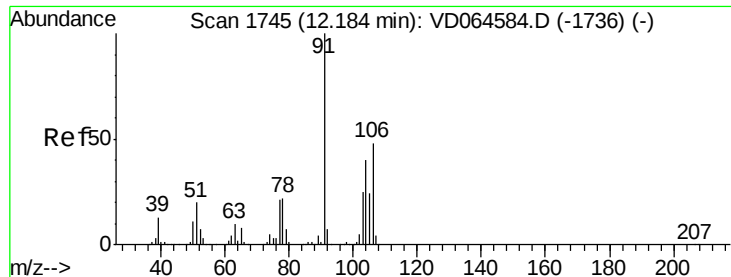
Tgt Ion: 91 Resp: 401215
Ion Ratio Lower Upper
91 100
106 28.6 24.6 36.8



#68
m/p-Xylenes
Concen: 45.238 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 106 Resp: 311517
Ion Ratio Lower Upper
106 100
91 196.9 156.3 234.5

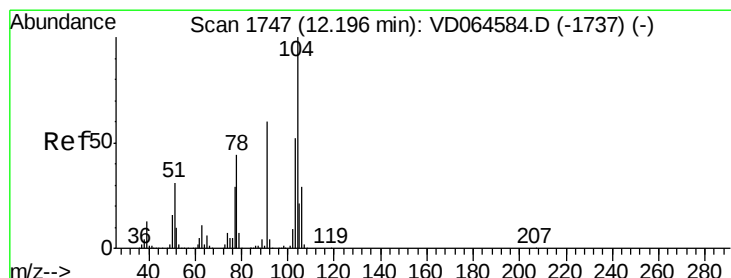
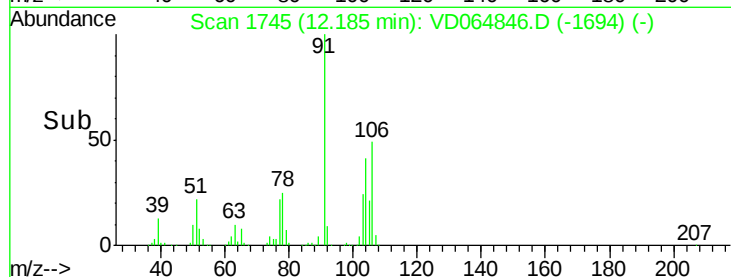
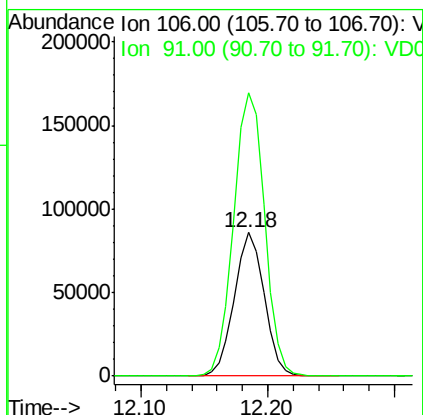
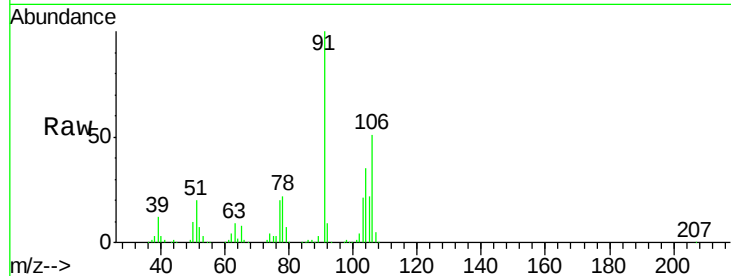




#69
o-Xylene
Concen: 22.585 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

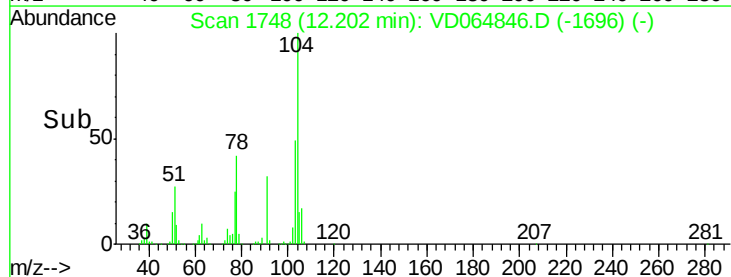
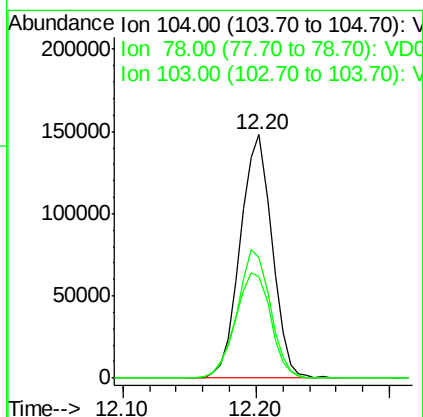
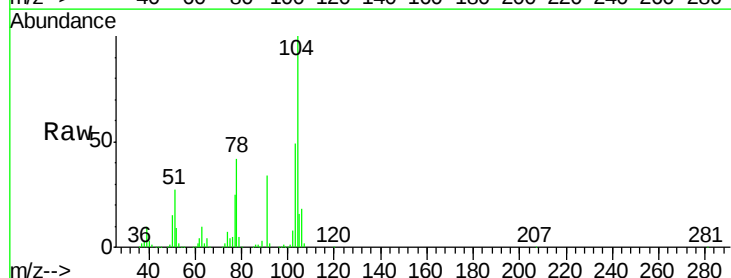
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

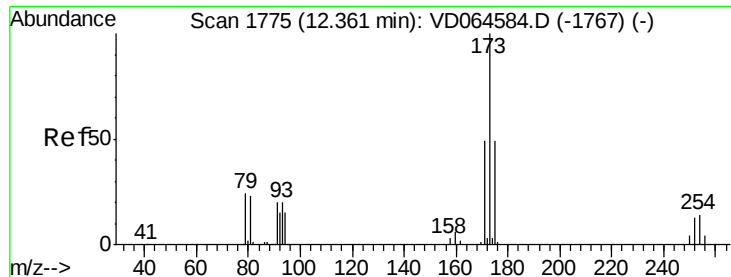
Tgt Ion:106 Resp: 140478
Ion Ratio Lower Upper
106 100
91 204.2 104.8 314.4



#70
Styrene
Concen: 22.346 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion:104 Resp: 243970
Ion Ratio Lower Upper
104 100
78 48.8 38.2 57.2
103 55.1 44.6 67.0





#71

Bromoform

Concen: 21.875 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

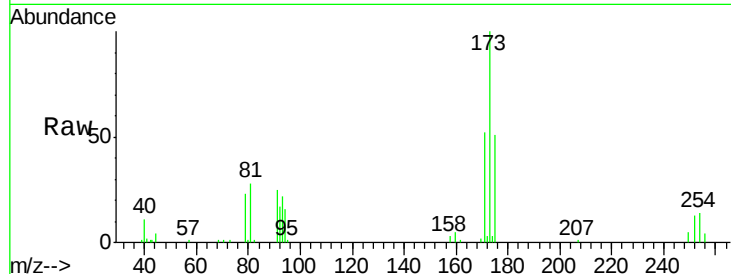
Tgt Ion:173 Resp: 46226

Ion Ratio Lower Upper

173 100

175 49.2 24.6 73.8

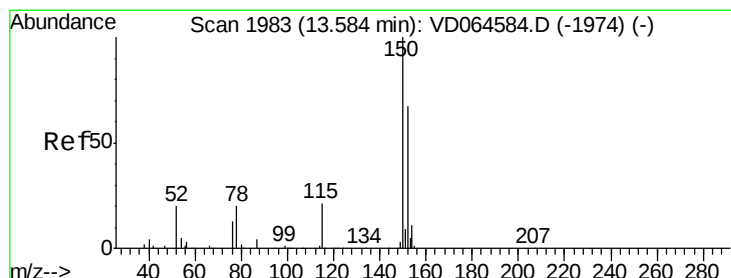
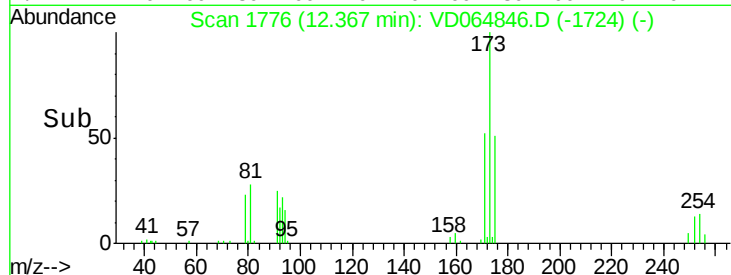
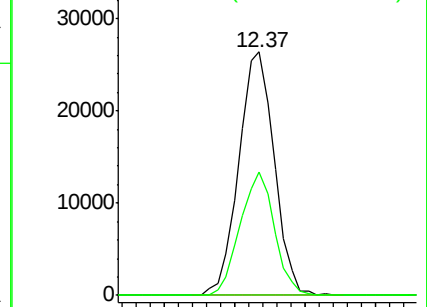
254 0.0 0.1 0.1#



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: VD064846.D

Acq: 13 Jan 2020 13:39

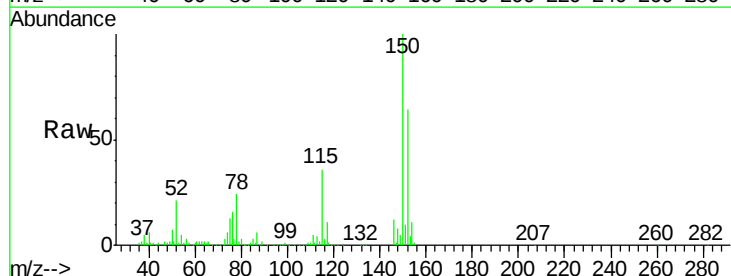
Tgt Ion:152 Resp: 232585

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.4

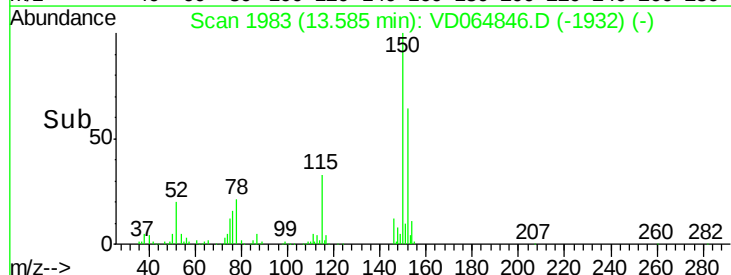
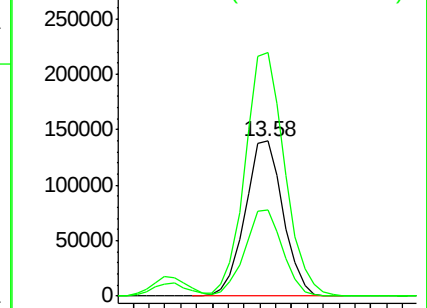
150 163.9 0.0 351.4

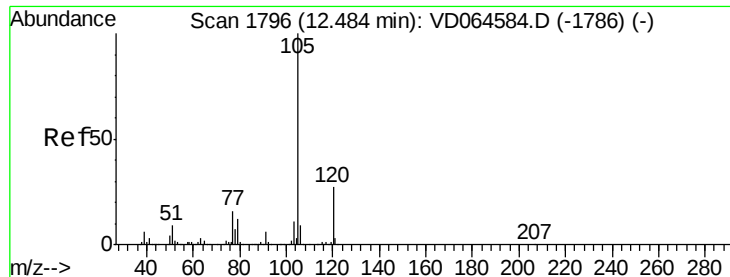


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.871 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

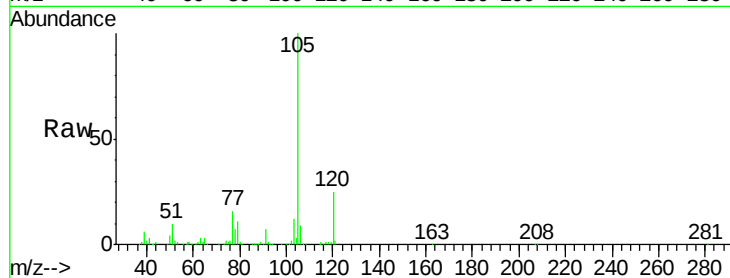
VD0113SBSD01

Tgt Ion: 105 Resp: 380147

Ion Ratio Lower Upper

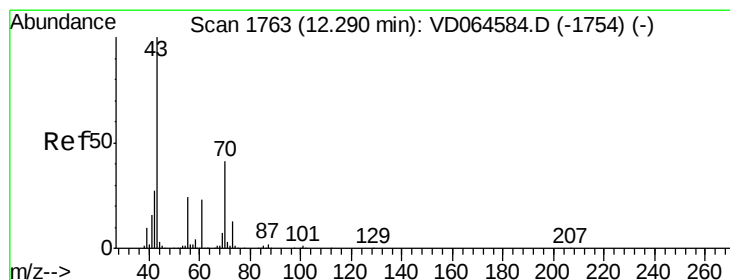
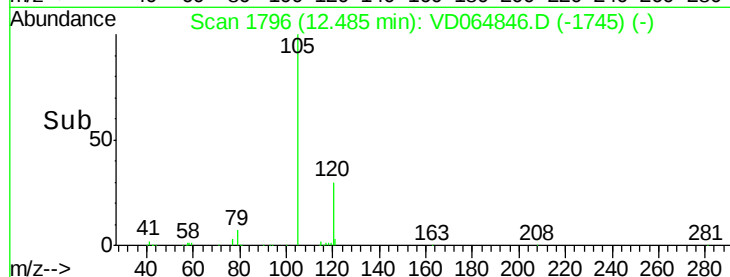
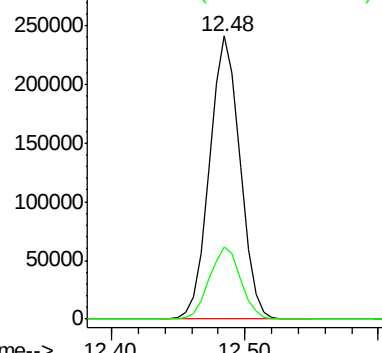
105 100

120 26.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.237 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Tgt Ion: 43 Resp: 82560

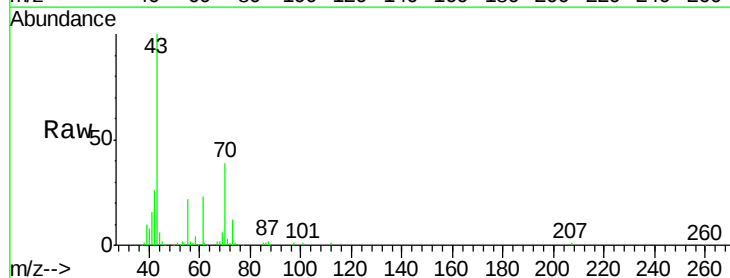
Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.0

55 26.2 19.4 29.0

61 22.7 18.3 27.5

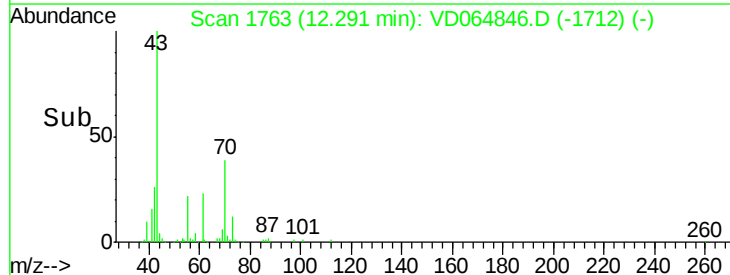
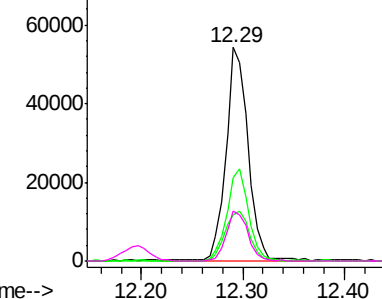


Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 23.586 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

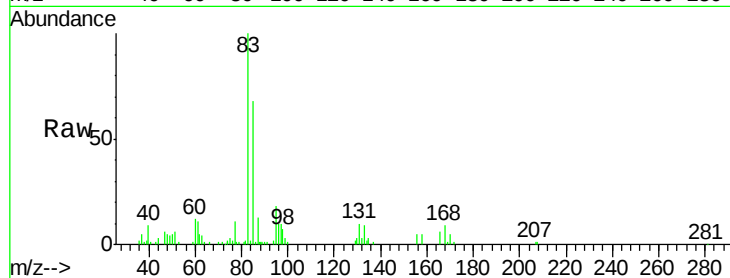
Tgt Ion: 83 Resp: 61583

Ion Ratio Lower Upper

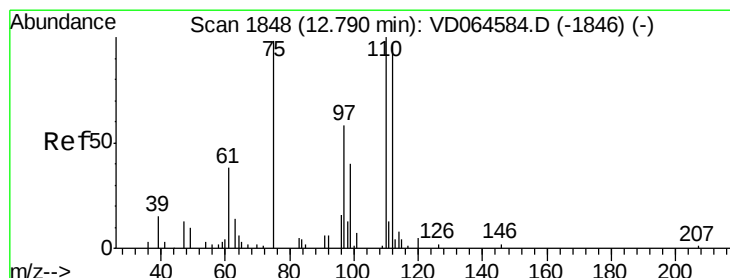
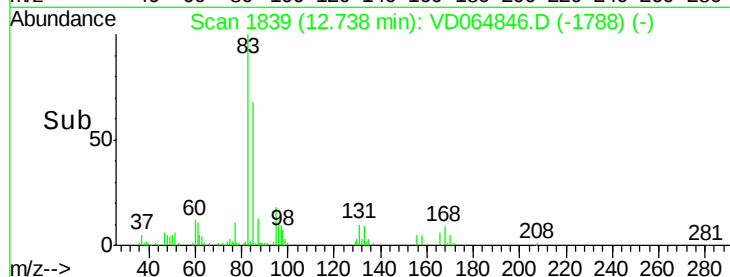
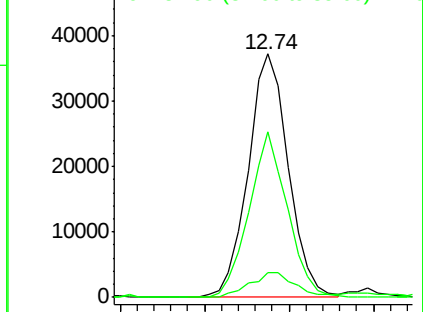
83 100

131 11.6 5.8 17.4

85 65.0 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: 46.298 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064846.D

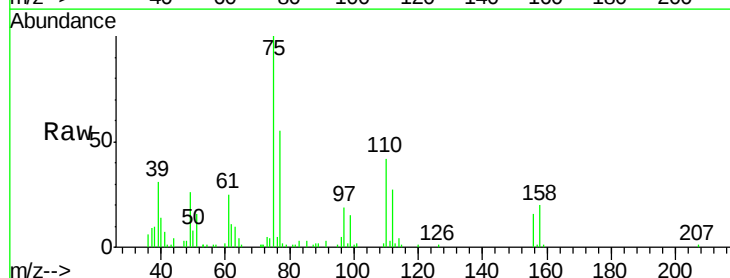
Acq: 13 Jan 2020 13:39

Tgt Ion: 75 Resp: 85033

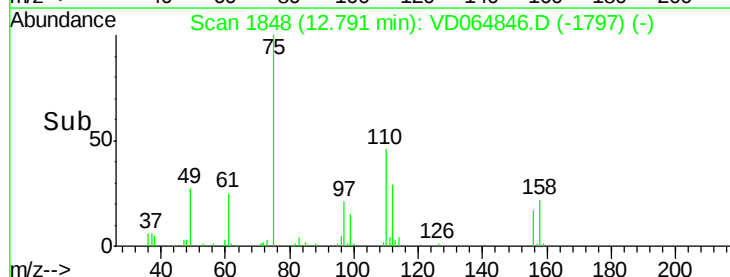
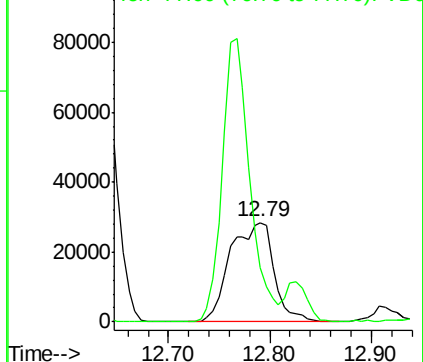
Ion Ratio Lower Upper

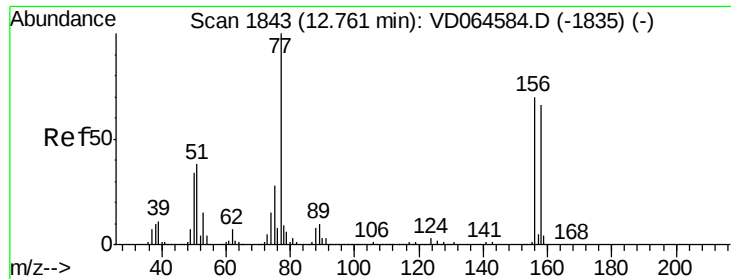
75 100

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: 23.143 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

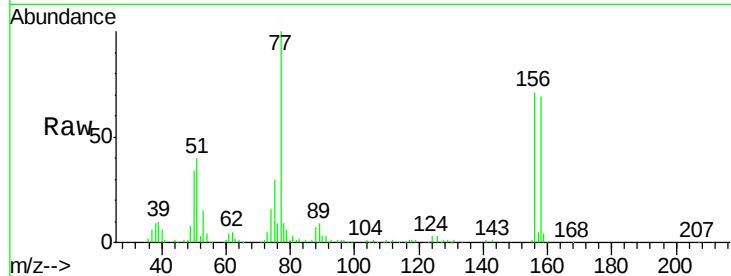
Tgt Ion:156 Resp: 94515

Ion Ratio Lower Upper

156 100

77 162.6 80.9 242.7

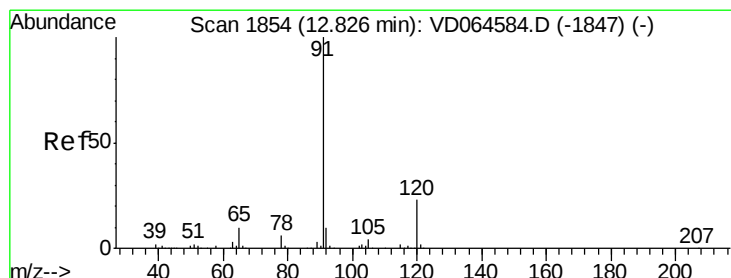
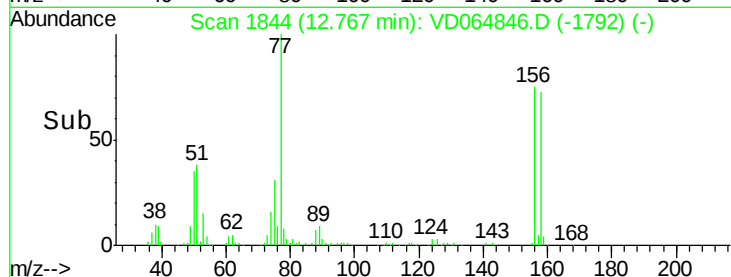
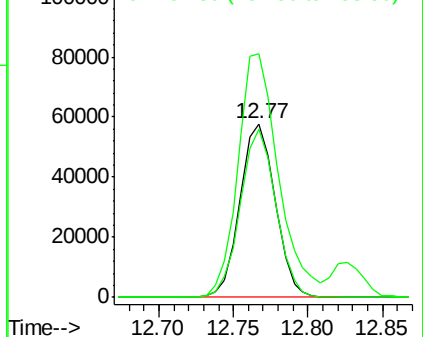
158 97.5 48.0 144.2



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: 23.381 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064846.D

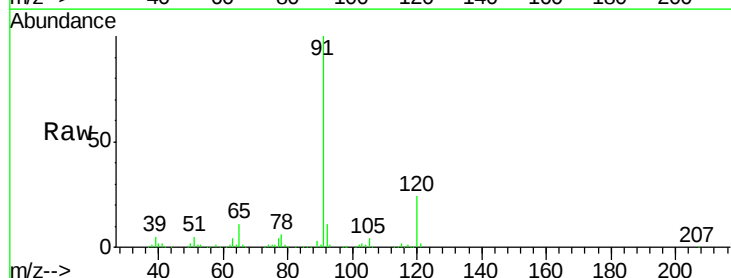
Acq: 13 Jan 2020 13:39

Tgt Ion: 91 Resp: 453370

Ion Ratio Lower Upper

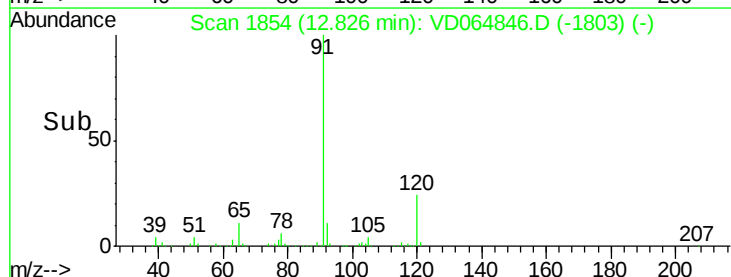
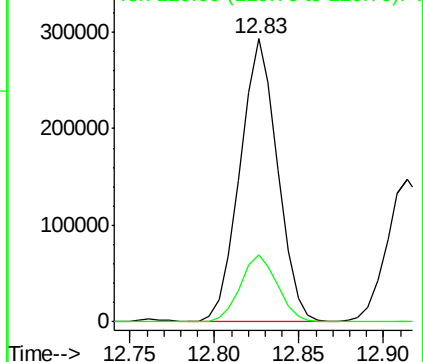
91 100

120 23.5 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: 23.399 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

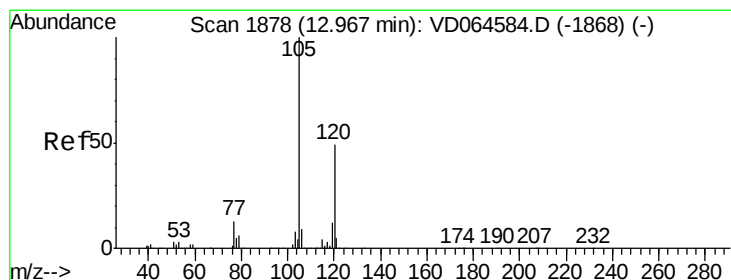
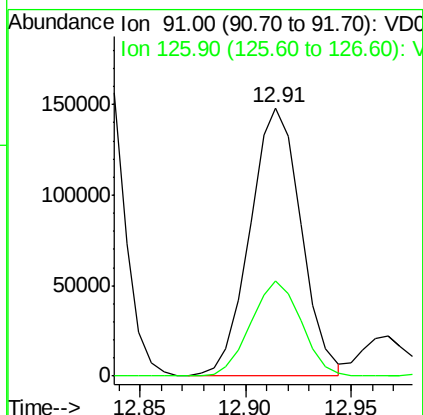
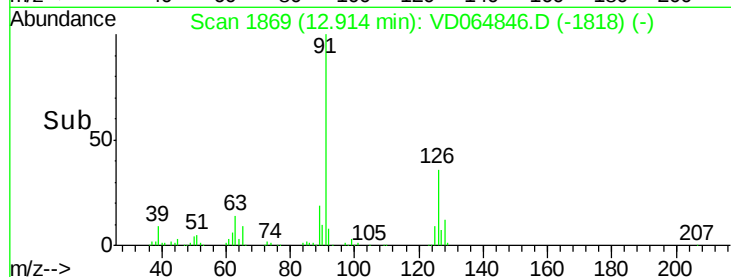
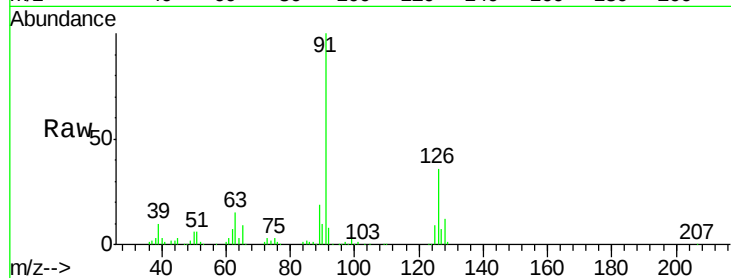
VD0113SBS01

Tgt Ion: 91 Resp: 249247

Ion Ratio Lower Upper

91 100

126 35.1 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 22.863 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064846.D

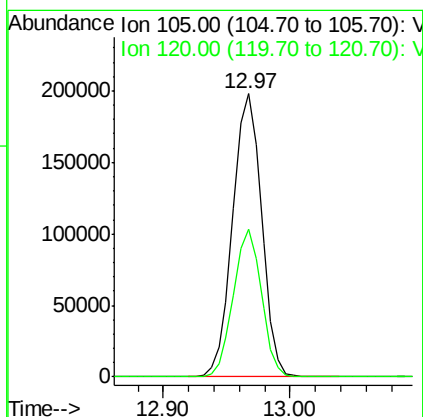
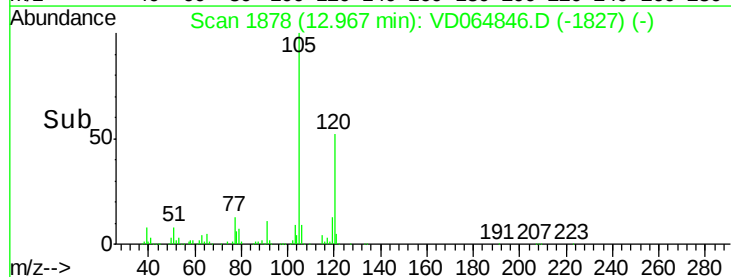
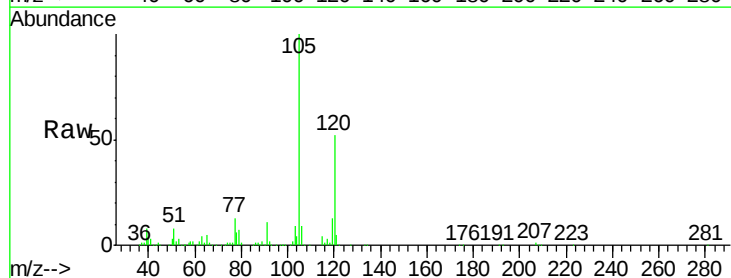
Acq: 13 Jan 2020 13:39

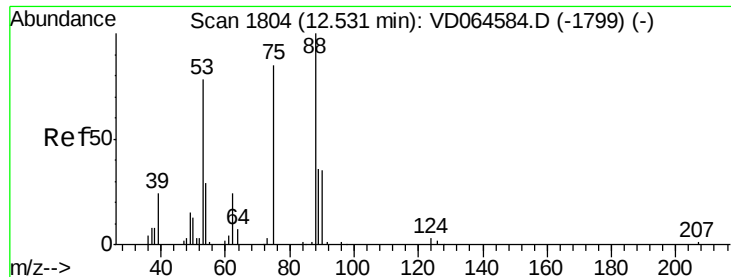
Tgt Ion: 105 Resp: 312160

Ion Ratio Lower Upper

105 100

120 50.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 23.607 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

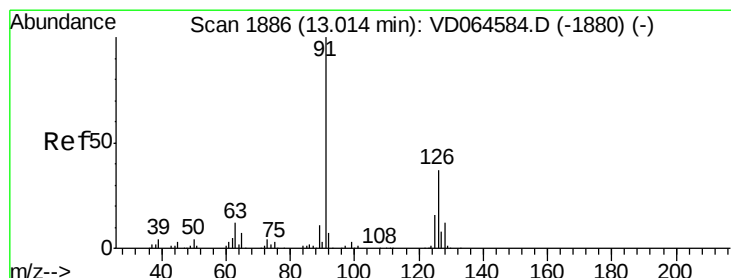
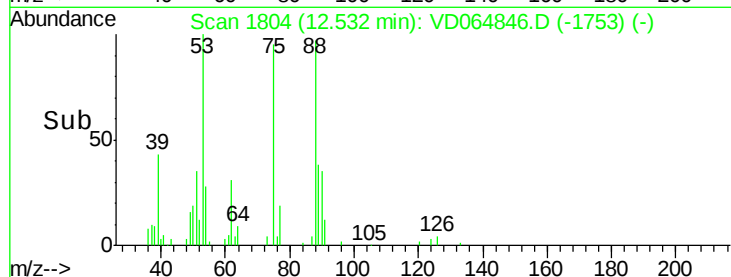
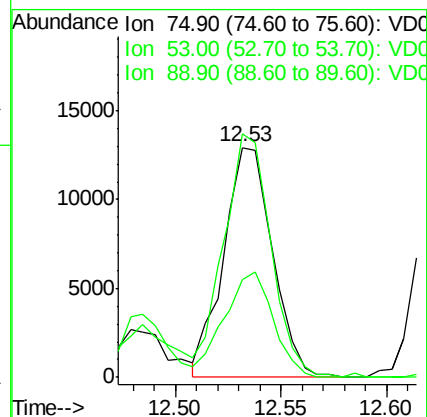
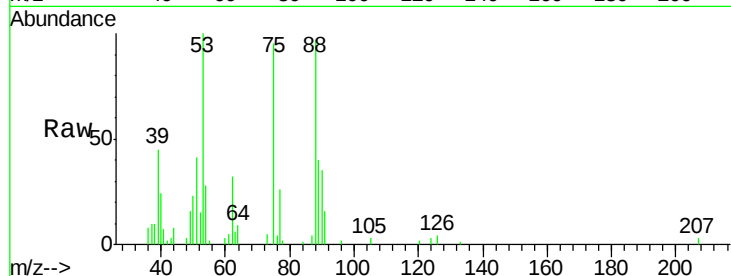
Tgt Ion: 75 Resp: 20731

Ion Ratio Lower Upper

75 100

53 102.2 78.8 118.2

89 45.7 38.3 57.5



#82

4-Chlorotoluene

Concen: 23.287 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064846.D

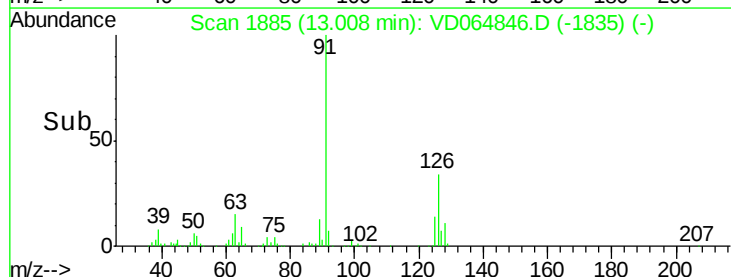
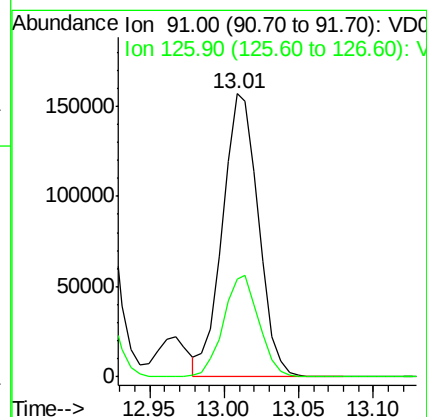
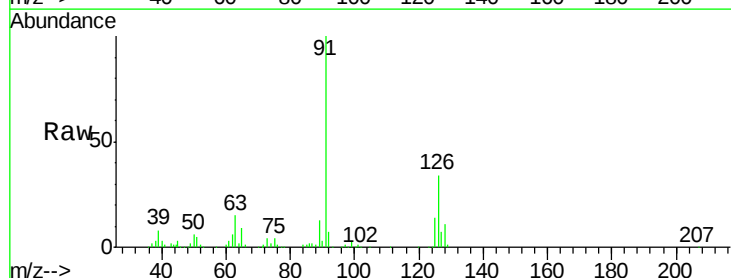
Acq: 13 Jan 2020 13:39

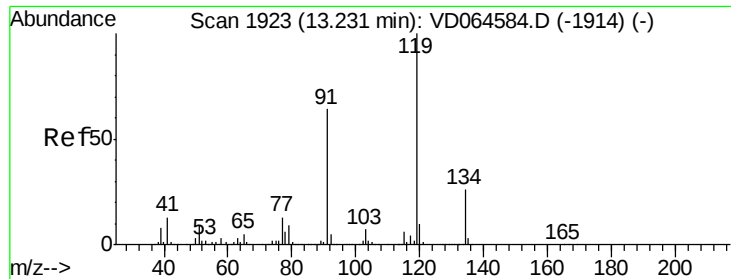
Tgt Ion: 91 Resp: 263977

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.5

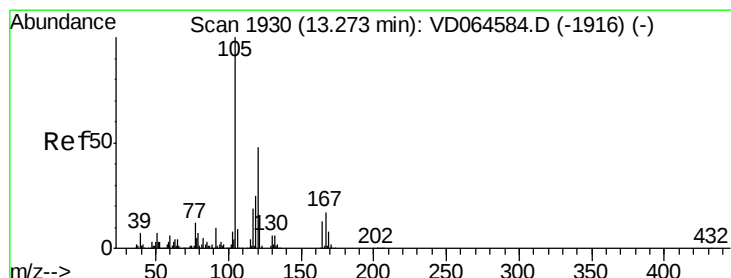
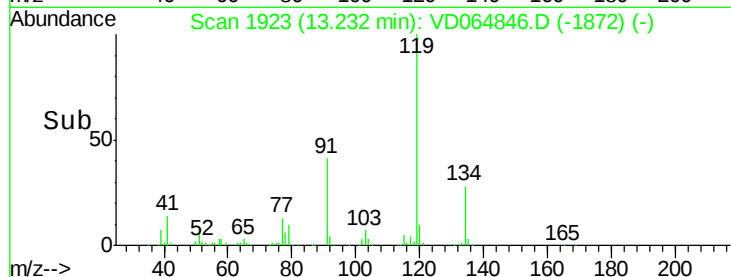
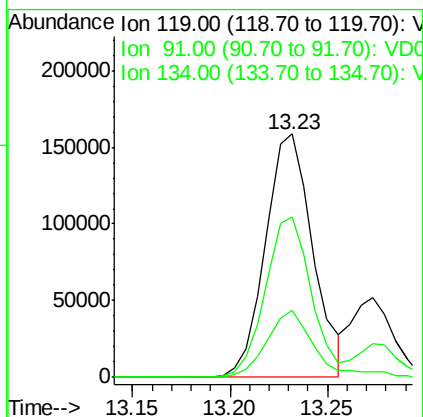
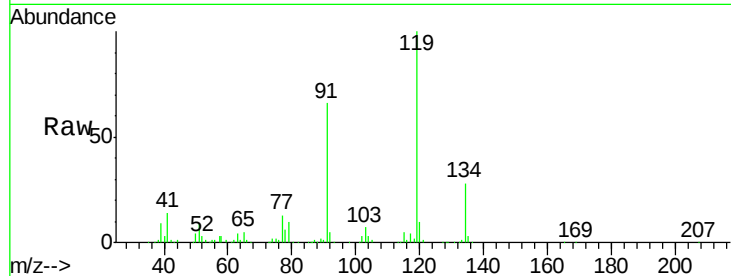




#83
 tert-Butylbenzene
 Concen: 22.550 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

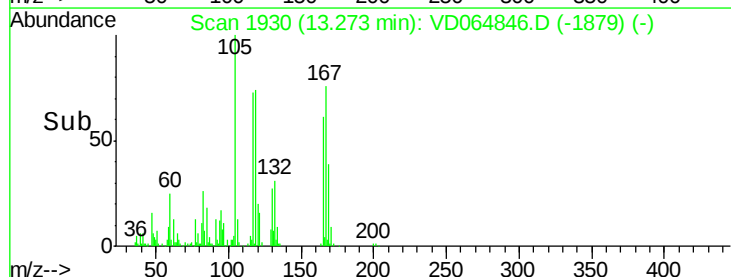
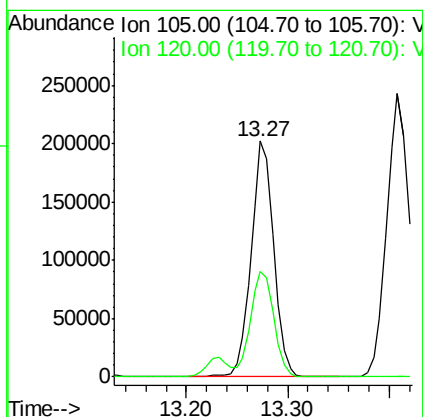
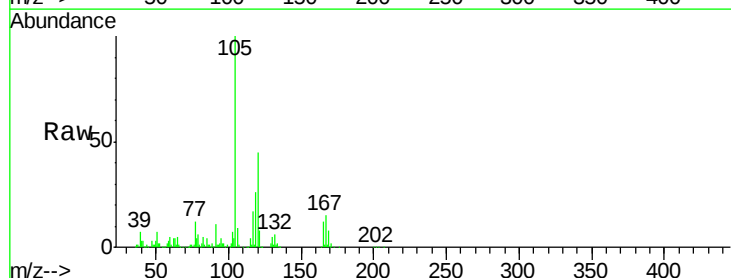
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

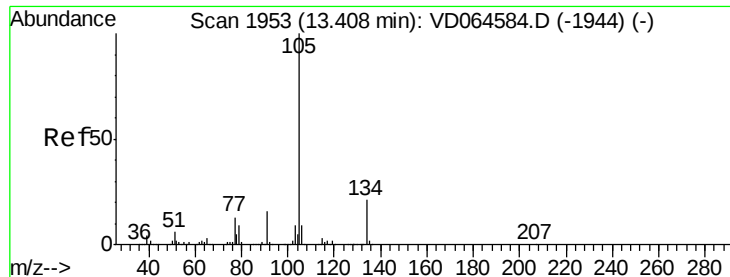
Tgt Ion:119 Resp: 267319
 Ion Ratio Lower Upper
 119 100
 91 63.5 30.8 92.4
 134 28.0 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 22.962 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion:105 Resp: 312230
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.8 71.2

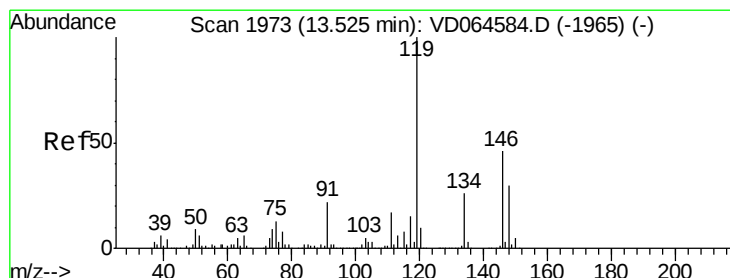
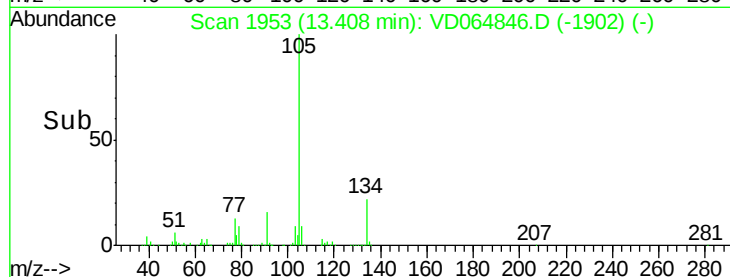
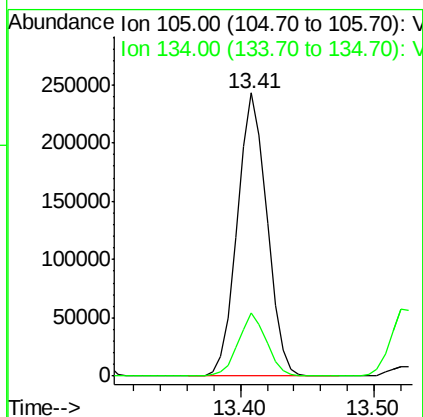
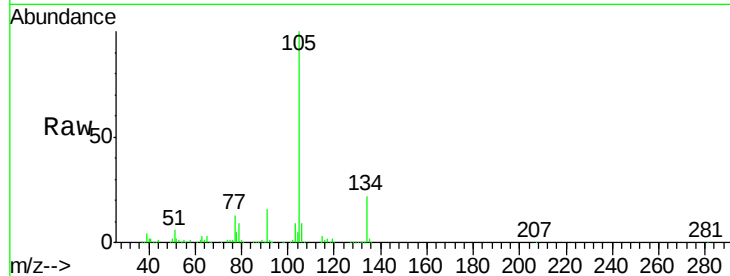




#85
 sec-Butylbenzene
 Concen: 22.996 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

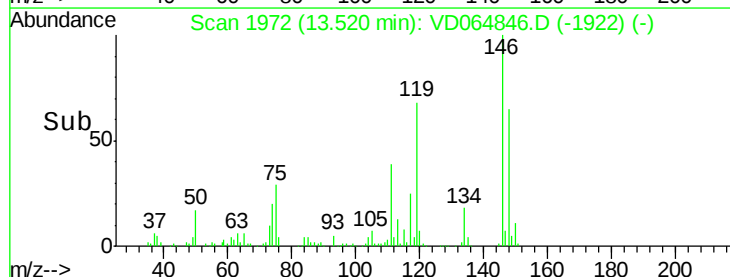
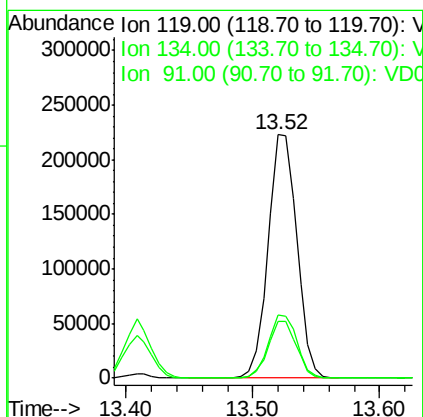
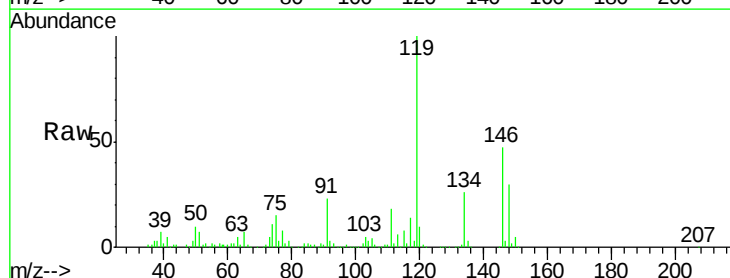
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113BSD01

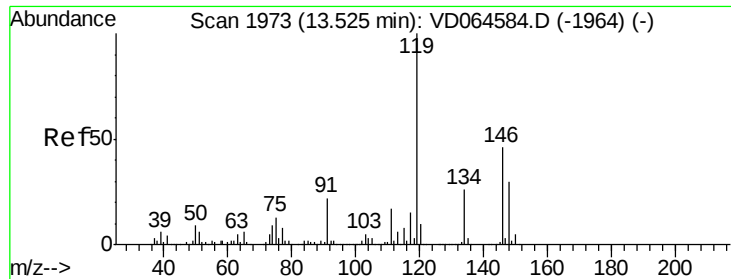
Tgt Ion:105 Resp: 373730
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 22.585 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion:119 Resp: 350971
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.4 40.1
 91 22.8 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 22.457 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

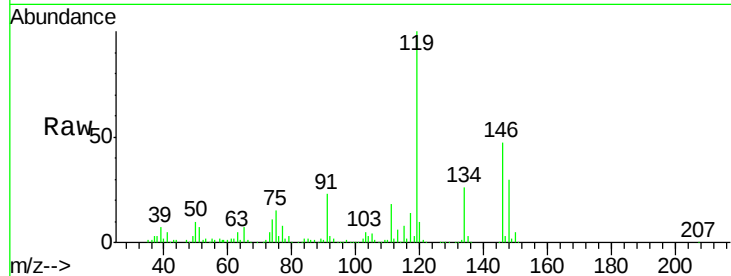
Tgt Ion:146 Resp: 174842

Ion Ratio Lower Upper

146 100

111 37.9 18.8 56.4

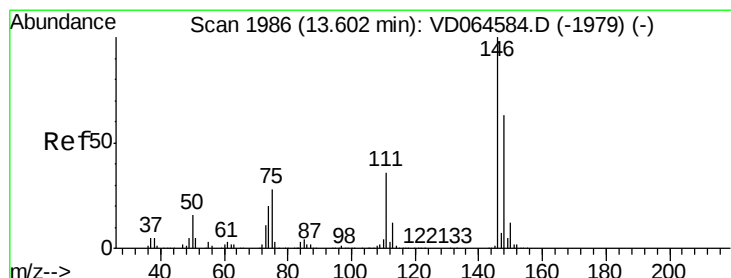
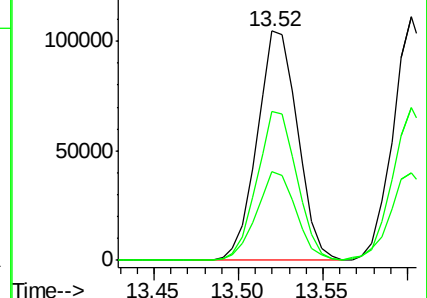
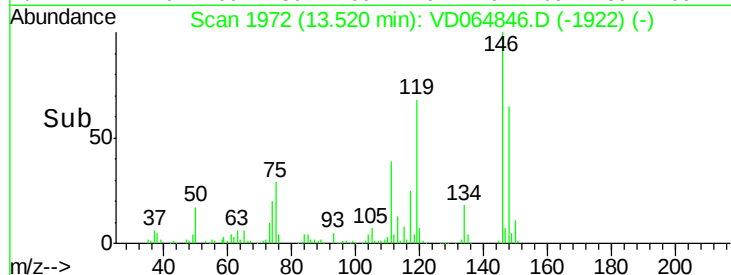
148 64.1 32.5 97.5



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



#88

1,4-Dichlorobenzene

Concen: 22.849 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

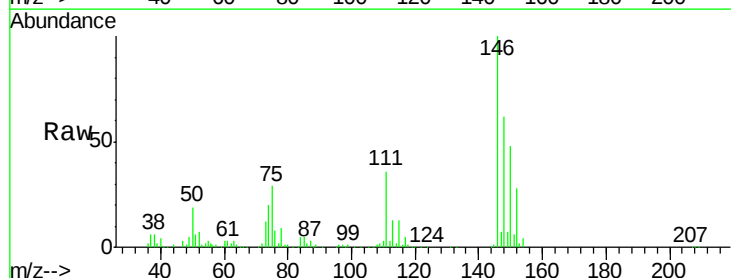
Tgt Ion:146 Resp: 174754

Ion Ratio Lower Upper

146 100

111 38.9 18.1 54.1

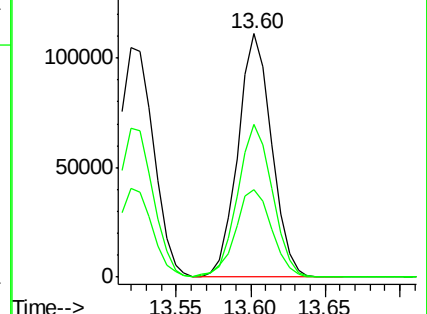
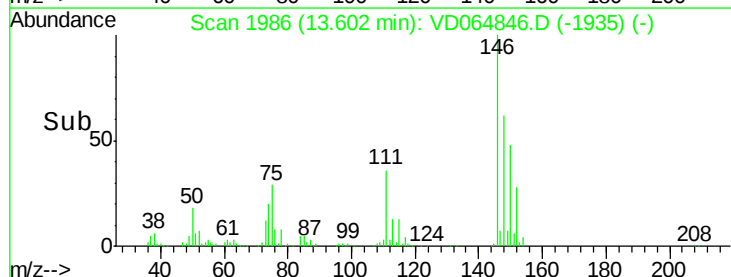
148 64.9 32.3 96.9

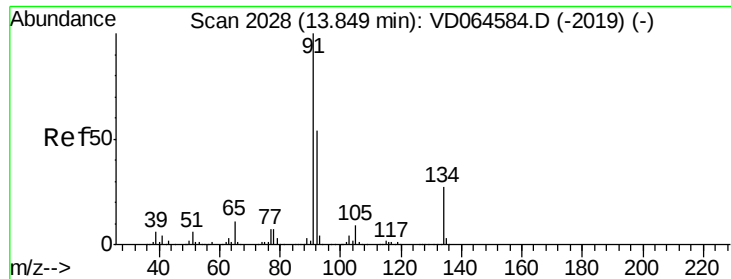


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

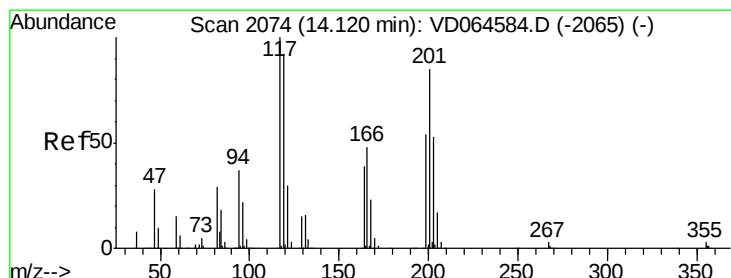
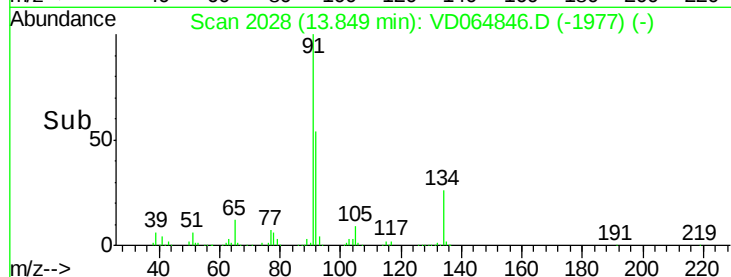
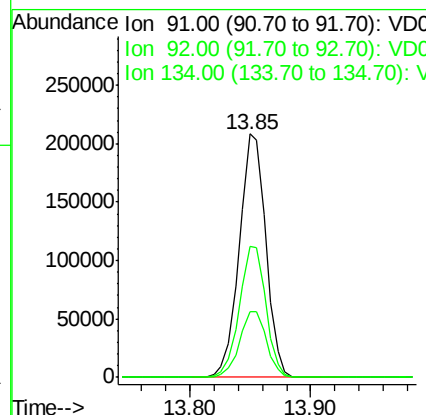
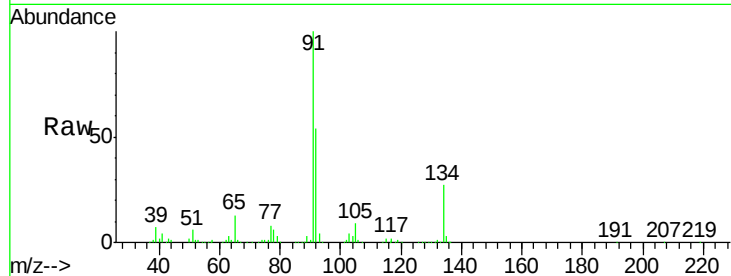




#89
n-Butylbenzene
Concen: 22.899 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

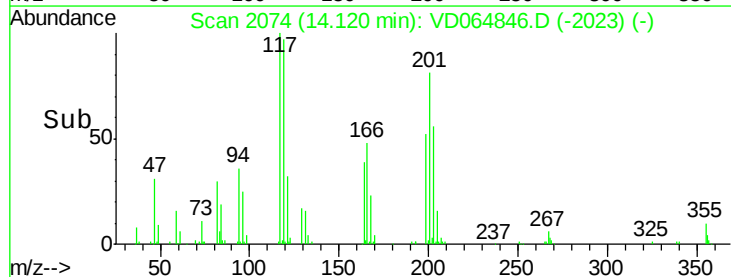
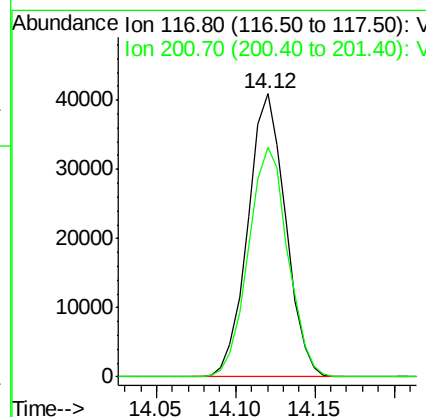
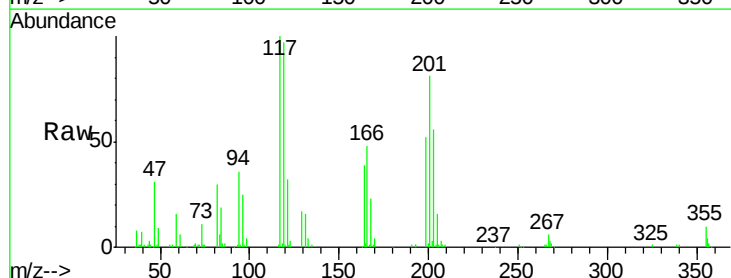
Instrument :
MSVOA_D
ClientSampleId :
VD0113SBSD01

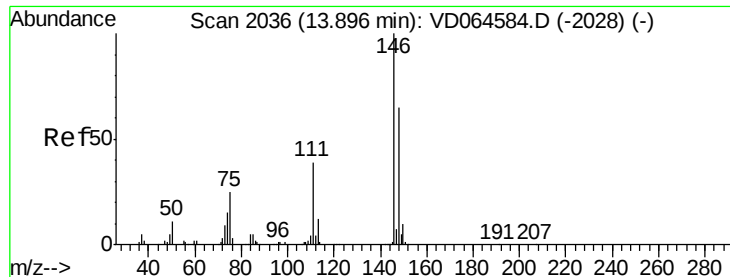
Tgt Ion: 91 Resp: 320448
Ion Ratio Lower Upper
91 100
92 53.7 26.8 80.4
134 27.4 14.0 41.9



#90
Hexachloroethane
Concen: 22.828 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064846.D
Acq: 13 Jan 2020 13:39

Tgt Ion: 117 Resp: 67764
Ion Ratio Lower Upper
117 100
201 84.7 44.0 131.8

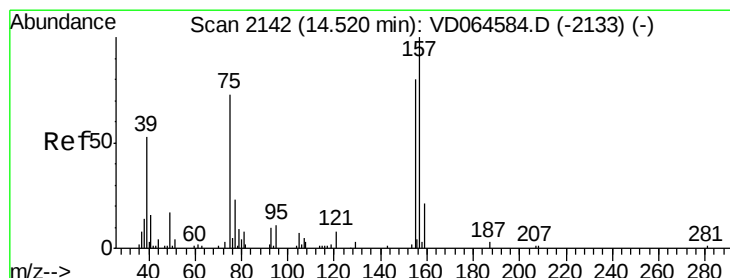
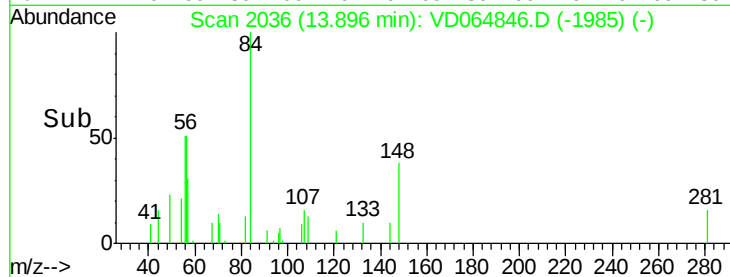
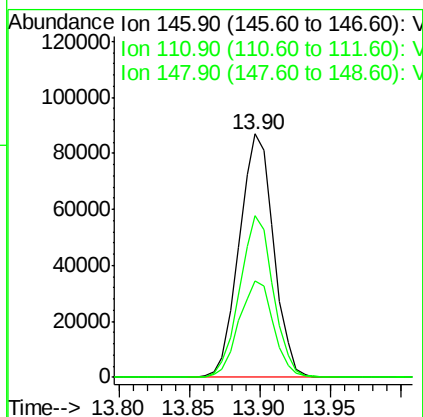
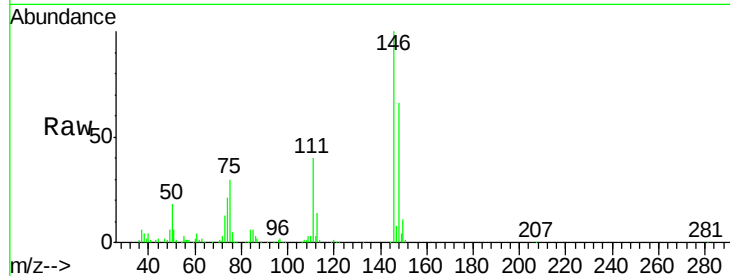




#91
 1,2-Dichlorobenzene
 Concen: 22.264 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

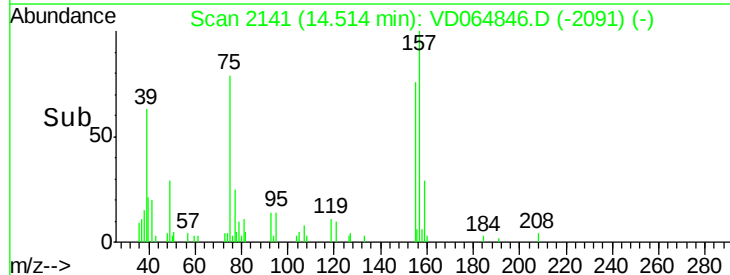
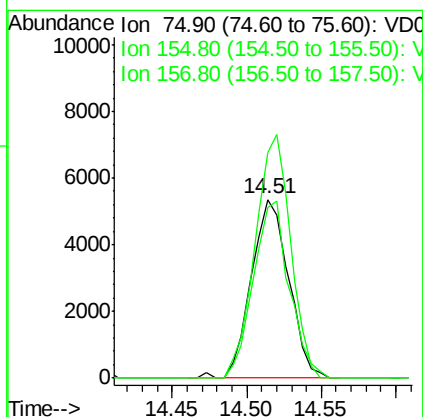
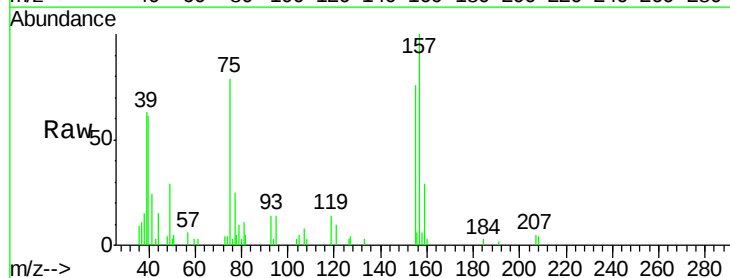
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

Tgt Ion: 146 Resp: 147802
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.3 57.9
 148 64.9 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.832 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion: 75 Resp: 9241
 Ion Ratio Lower Upper
 75 100
 155 95.2 48.0 144.0
 157 129.4 64.1 192.3

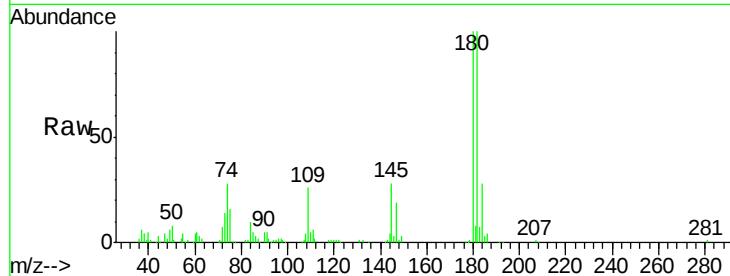




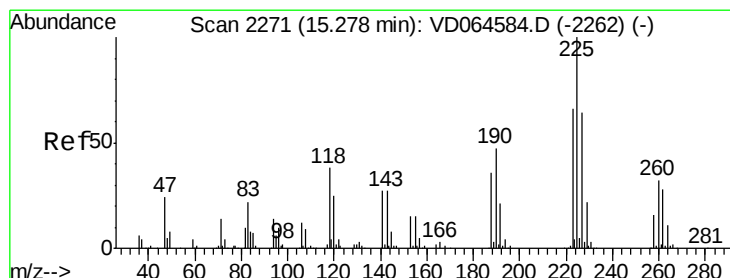
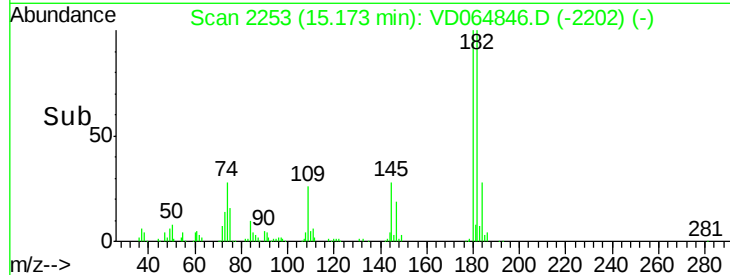
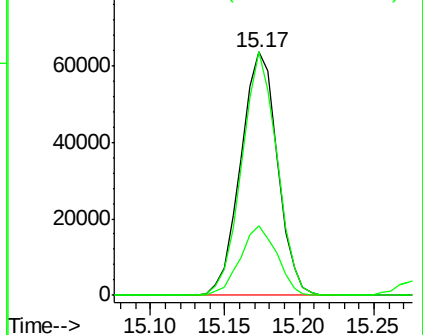
#93
 1,2,4-Trichlorobenzene
 Concen: 22.179 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0113SBSD01

Tgt Ion:180 Resp: 108417
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.0 144.2
 145 28.4 13.8 41.4

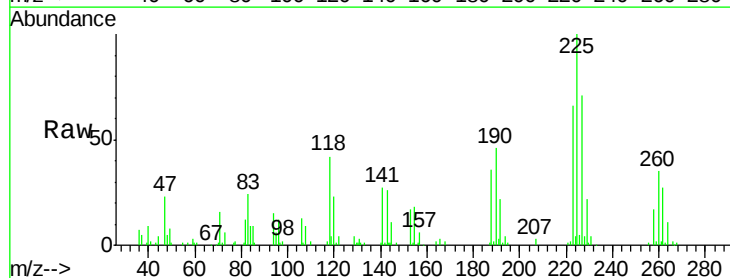


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

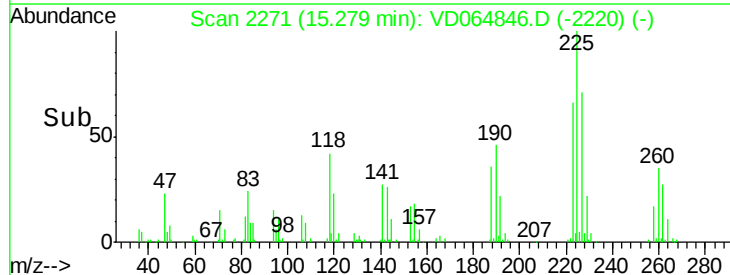
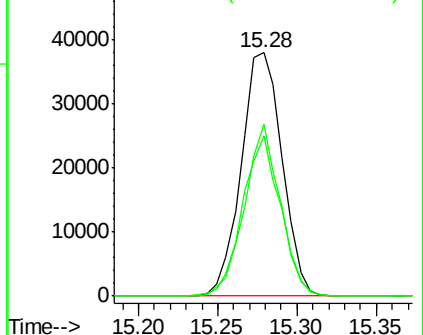


#94
 Hexachlorobutadiene
 Concen: 22.127 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064846.D
 Acq: 13 Jan 2020 13:39

Tgt Ion:225 Resp: 68063
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.1 93.2
 227 61.3 30.9 92.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.810 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

Instrument :

MSVOA_D

ClientSampleId :

VD0113SBSD01

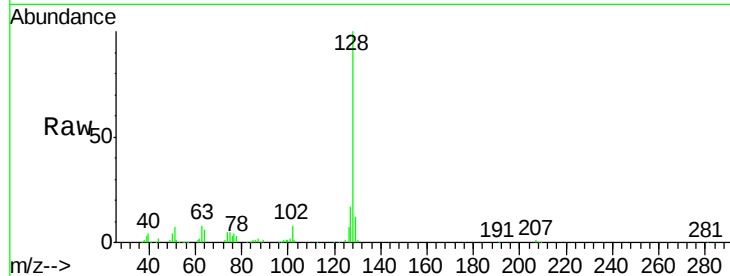
Tgt Ion:128 Resp: 168663

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

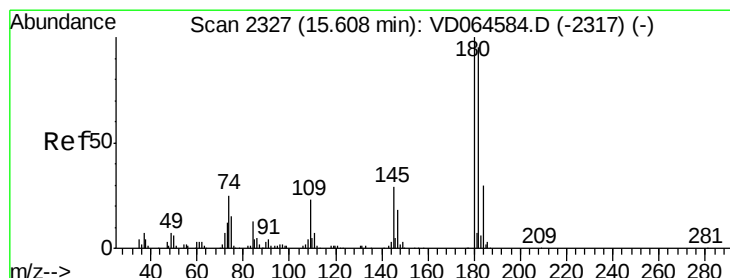
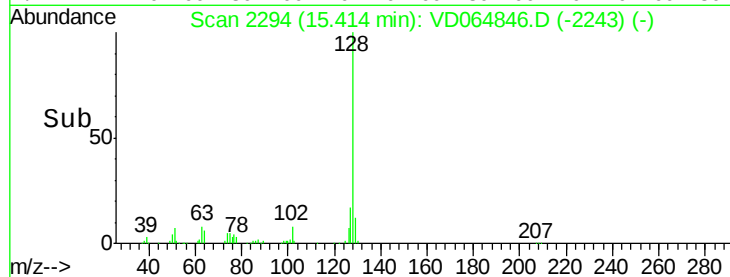
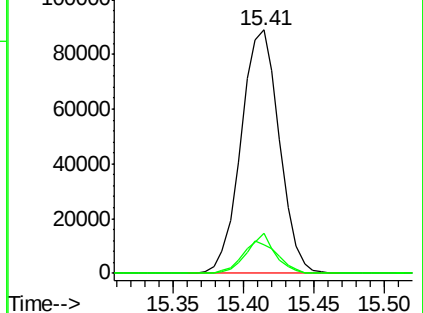
129 11.2 8.5 12.7



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: 22.149 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064846.D

Acq: 13 Jan 2020 13:39

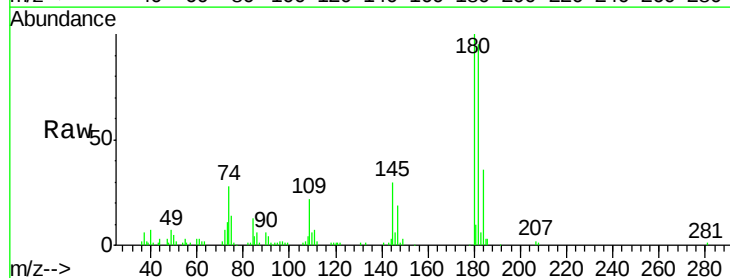
Tgt Ion:180 Resp: 92428

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.7

145 30.6 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

