

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012920\
 Data File : VD064990.D
 Acq On : 29 Jan 2020 12:00
 Operator : VA/SY
 Sample : VD0129SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Quant Time: Jan 29 15:36:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	491971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	721226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	636228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	222701	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
35) Dibromofluoromethane	7.92	113	219427	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	10.34	98	849478	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	12.64	95	262842	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	73305	19.78	ug/l	98
3) Chloromethane	2.21	50	113343	20.87	ug/l	95
4) Vinyl Chloride	2.36	62	125418	20.10	ug/l	98
5) Bromomethane	2.76	94	83904	19.99	ug/l	94
6) Chloroethane	2.93	64	82230	19.99	ug/l	99
7) Trichlorofluoromethane	3.27	101	195946	20.34	ug/l	97
8) Diethyl Ether	3.71	74	41824	19.23	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95273	21.25	ug/l	99
10) Methyl Iodide	4.30	142	87662	18.42	ug/l	99
11) Tert butyl alcohol	5.24	59	24217	92.86	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	88925	20.76	ug/l	95
13) Acrolein	3.93	56	25277	77.32	ug/l	94
14) Allyl chloride	4.71	41	145352	21.28	ug/l	98
15) Acrylonitrile	5.43	53	90873	96.47	ug/l	99
16) Acetone	4.16	43	92260	82.91	ug/l	94
17) Carbon Disulfide	4.40	76	287298	20.38	ug/l	96
18) Methyl Acetate	4.73	43	44236	20.01	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	188233	19.67	ug/l	100
20) Methylene Chloride	4.96	84	126460	24.26	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	101595	20.59	ug/l	96
22) Diisopropyl ether	6.36	45	275394	20.23	ug/l	95
23) Vinyl Acetate	6.31	43	756739	94.95	ug/l	99
24) 1,1-Dichloroethane	6.27	63	172893	20.69	ug/l	98
25) 2-Butanone	7.22	43	114695	89.96	ug/l	97
26) 2,2-Dichloropropane	7.21	77	160275	21.14	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	107518	20.42	ug/l	99
28) Bromochloromethane	7.55	49	56901	17.02	ug/l	99
29) Tetrahydrofuran	7.57	42	71733	91.19	ug/l	96
30) Chloroform	7.71	83	177880	20.59	ug/l	100
31) Cyclohexane	7.98	56	165044	20.07	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	166232	20.68	ug/l	98
36) 1,1-Dichloropropene	8.11	75	144958	20.84	ug/l	98
37) Ethyl Acetate	7.30	43	52571	18.30	ug/l	97
38) Carbon Tetrachloride	8.10	117	152287	20.72	ug/l	96

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 Operator : VA/SY
 Sample : VD0129SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Quant Time: Jan 29 15:36:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164556	20.24	ug/l	92
40) Benzene	8.36	78	388713	20.29	ug/l	98
41) Methacrylonitrile	7.53	41	25691	16.60	ug/l #	53
42) 1,2-Dichloroethane	8.43	62	111456	19.53	ug/l	98
43) Isopropyl Acetate	8.46	43	101428	18.59	ug/l	99
44) Trichloroethene	9.11	130	110549	20.62	ug/l	94
45) 1,2-Dichloropropane	9.39	63	95375	20.54	ug/l	96
46) Dibromomethane	9.48	93	48969	19.32	ug/l	98
47) Bromodichloromethane	9.67	83	134762	20.43	ug/l	99
48) Methyl methacrylate	9.46	41	49068	19.54	ug/l	99
49) 1,4-Dioxane	9.47	88	10413	354.16	ug/l #	81
51) 4-Methyl-2-Pentanone	10.23	43	255152	93.45	ug/l	100
52) Toluene	10.41	92	248357	20.11	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	124536	19.82	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	147977	20.11	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	68924	20.18	ug/l	96
56) Ethyl methacrylate	10.67	69	77478	18.97	ug/l	99
57) 1,3-Dichloropropane	10.95	76	116350	19.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	127302	93.84	ug/l	97
59) 2-Hexanone	10.99	43	172057	91.36	ug/l	100
60) Dibromochloromethane	11.14	129	91793	20.11	ug/l	98
61) 1,2-Dibromoethane	11.25	107	64649	19.66	ug/l	100
64) Tetrachloroethene	10.88	164	93728	20.39	ug/l	98
65) Chlorobenzene	11.67	112	266188	20.61	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	96002	19.76	ug/l	96
67) Ethyl Benzene	11.75	91	465661	20.30	ug/l	97
68) m/p-Xylenes	11.86	106	363130	41.13	ug/l	98
69) o-Xylene	12.18	106	158402	20.21	ug/l	98
70) Styrene	12.20	104	282073	20.21	ug/l	98
71) Bromoform	12.37	173	53668	19.87	ug/l #	99
73) Isopropylbenzene	12.49	105	443699	20.85	ug/l	99
74) N-amyl acetate	12.30	43	87239	18.32	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70149	19.61	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	94888	36.72	ug/l #	100
77) Bromobenzene	12.77	156	106708	20.49	ug/l	100
78) n-propylbenzene	12.83	91	533445	21.08	ug/l	99
79) 2-Chlorotoluene	12.91	91	294146	21.19	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	368303	21.12	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	22003	18.18	ug/l	96
82) 4-Chlorotoluene	13.01	91	312154	21.20	ug/l	98
83) tert-Butylbenzene	13.23	119	303449	20.50	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	360849	20.43	ug/l	98
85) sec-Butylbenzene	13.41	105	435751	20.80	ug/l	99
86) p-Isopropyltoluene	13.53	119	399708	20.38	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	202765	20.30	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	202081	20.38	ug/l	100
89) n-Butylbenzene	13.86	91	367068	20.51	ug/l	100
90) Hexachloroethane	14.12	117	78803	20.84	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	171083	20.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10287	17.97	ug/l	96

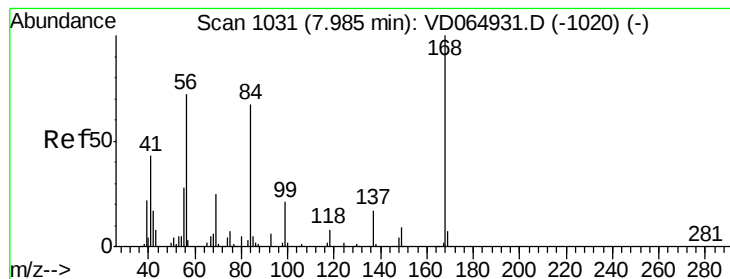
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012920\
Data File : VD064990.D
Acq On : 29 Jan 2020 12:00
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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	118794	20.25	ug/l	98
94) Hexachlorobutadiene	15.28	225	73521	19.81	ug/l	98
95) Naphthalene	15.41	128	176869	18.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	100249	19.71	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

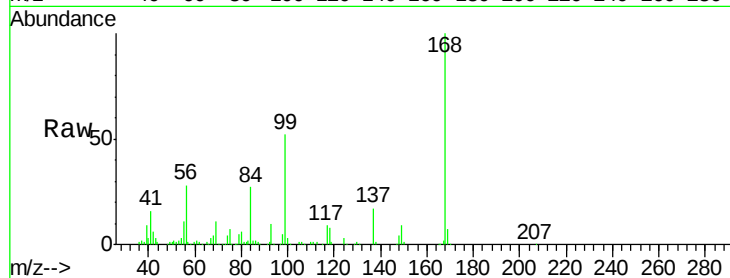
VD0129SBS01

Tgt Ion:168 Resp: 491971

Ion Ratio Lower Upper

168 100

99 52.2 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

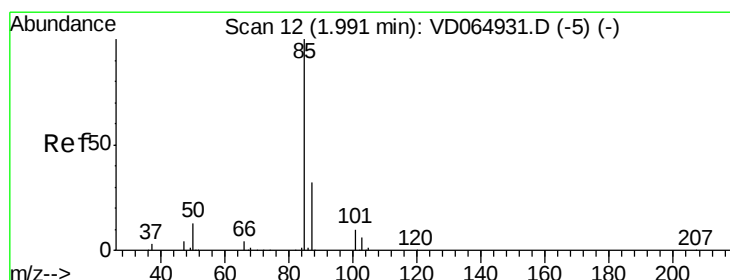
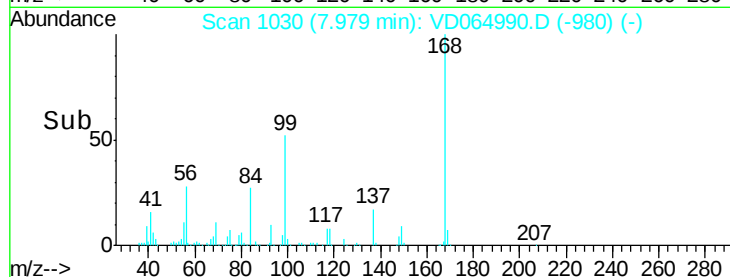
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.78 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD064990.D

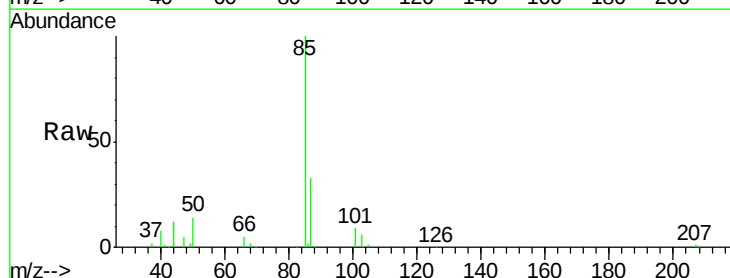
Acq: 29 Jan 2020 12:00

Tgt Ion: 85 Resp: 73305

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

50000

40000

30000

20000

10000

0

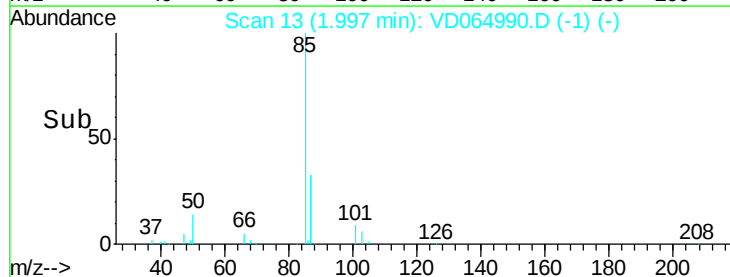
1.95

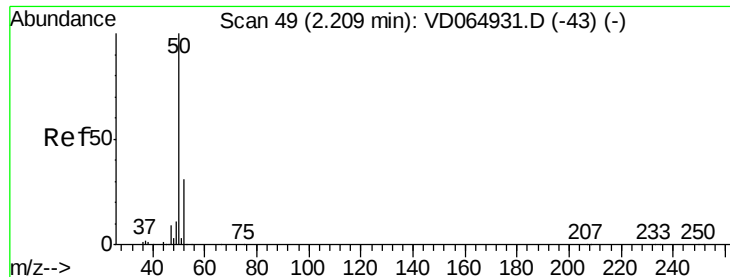
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 20.87 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

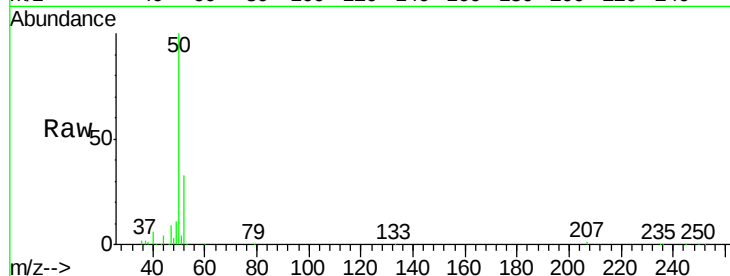
VD0129SBS01

Tgt Ion: 50 Resp: 113343

Ion Ratio Lower Upper

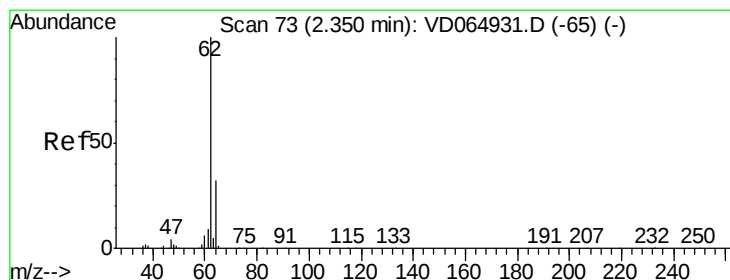
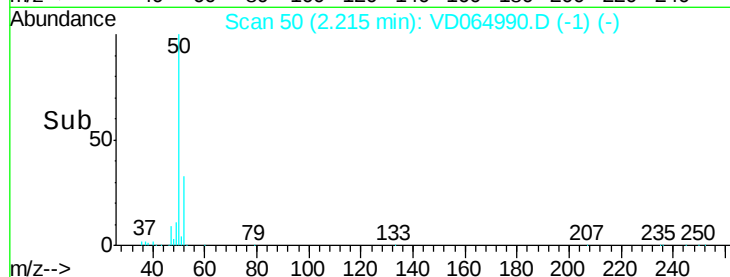
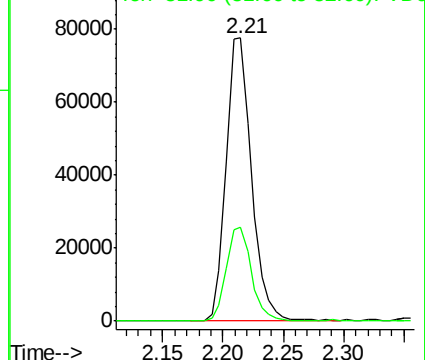
50 100

52 33.2 24.6 36.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.10 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064990.D

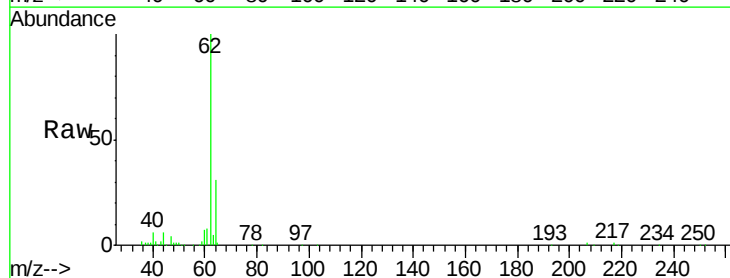
Acq: 29 Jan 2020 12:00

Tgt Ion: 62 Resp: 125418

Ion Ratio Lower Upper

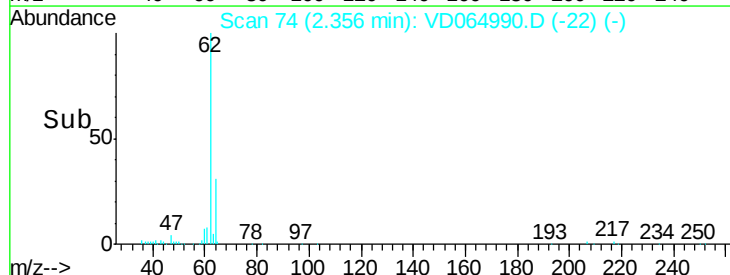
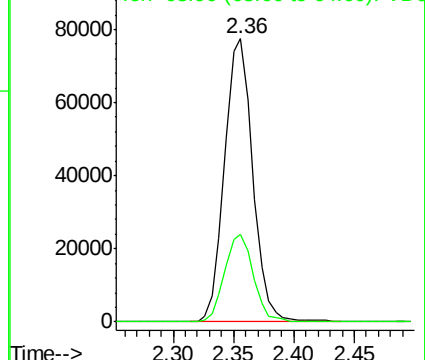
62 100

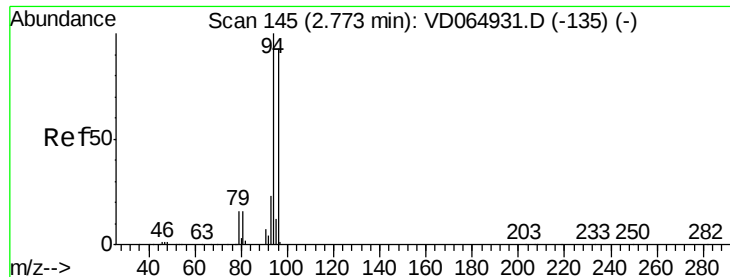
64 30.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.99 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

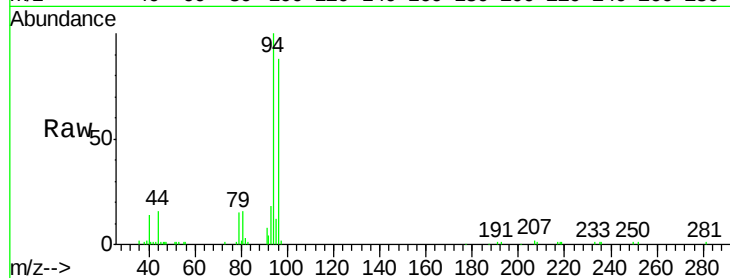
VD0129SBS01

Tgt Ion: 94 Resp: 83904

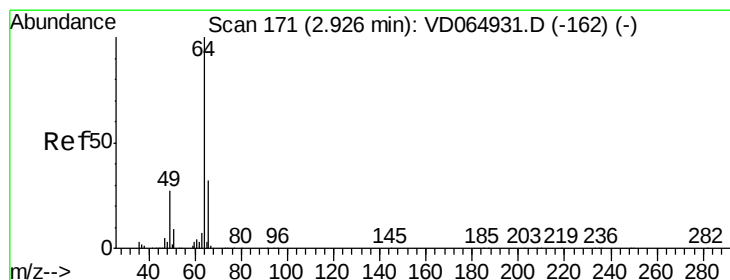
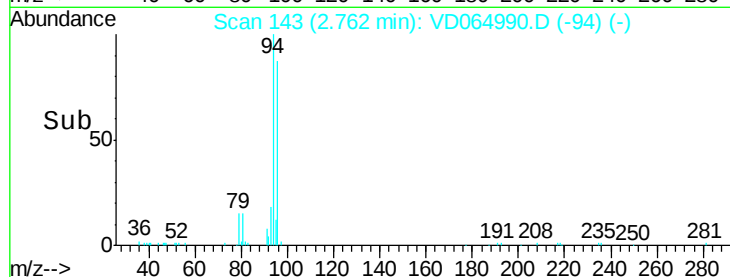
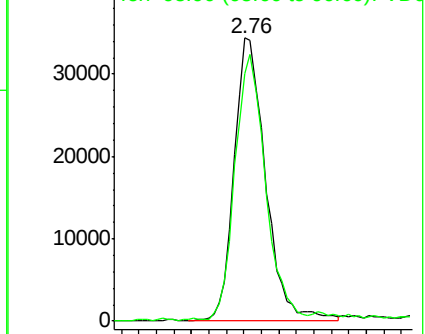
Ion Ratio Lower Upper

94 100

96 87.1 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.99 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064990.D

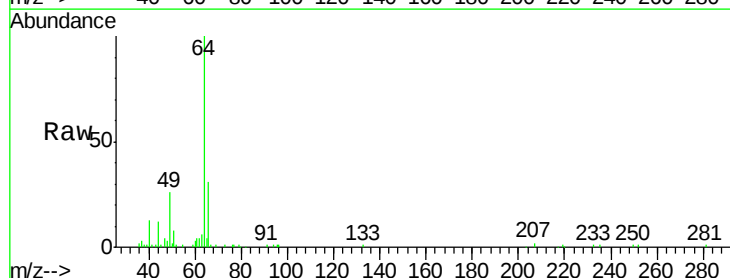
Acq: 29 Jan 2020 12:00

Tgt Ion: 64 Resp: 82230

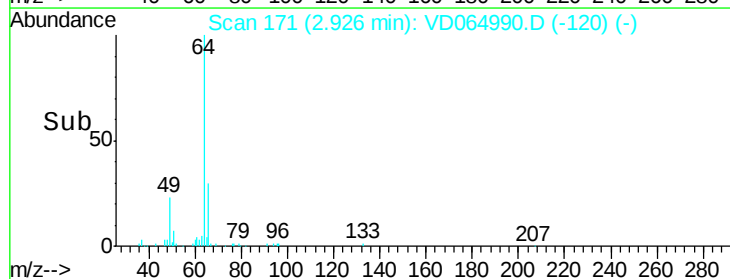
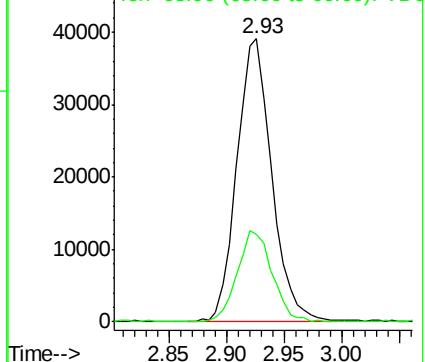
Ion Ratio Lower Upper

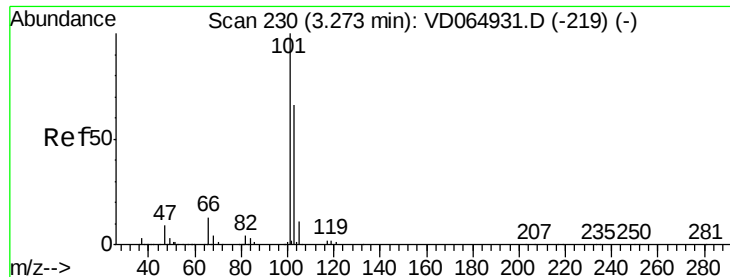
64 100

66 31.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 20.34 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

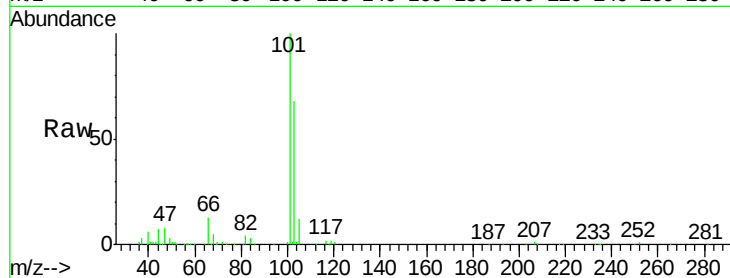
VD0129SBS01

Tgt Ion:101 Resp: 195946

Ion Ratio Lower Upper

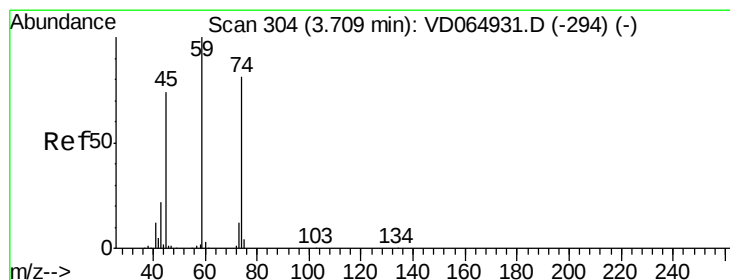
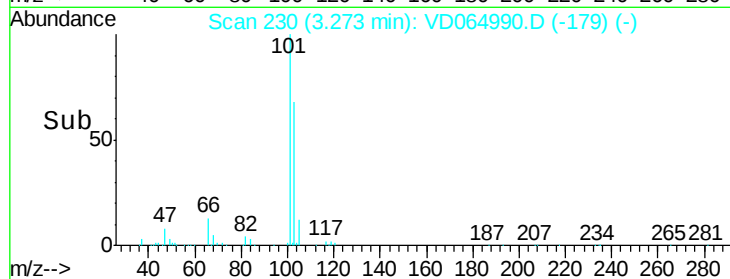
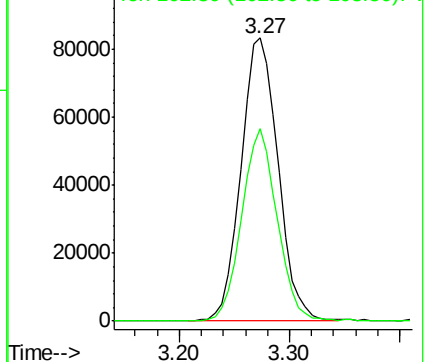
101 100

103 67.9 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.23 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD064990.D

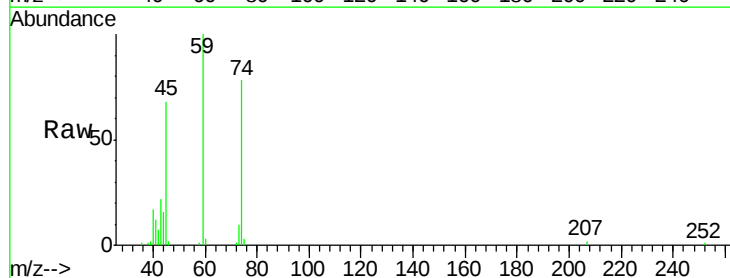
Acq: 29 Jan 2020 12:00

Tgt Ion: 74 Resp: 41824

Ion Ratio Lower Upper

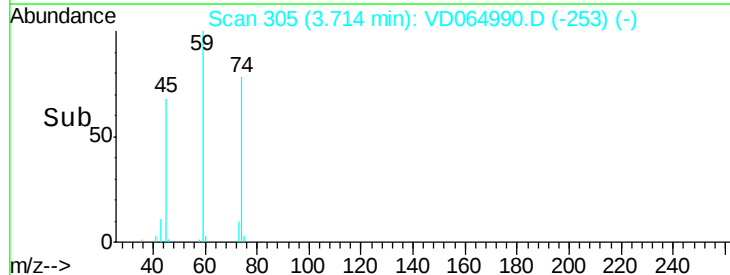
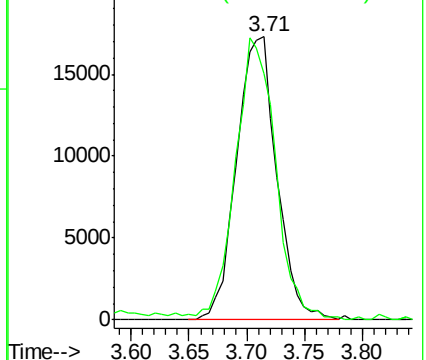
74 100

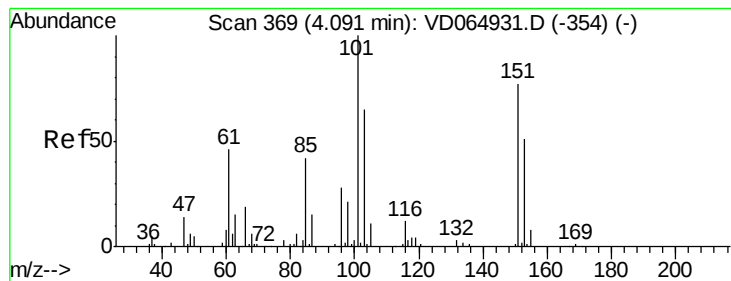
45 100.3 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.25 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

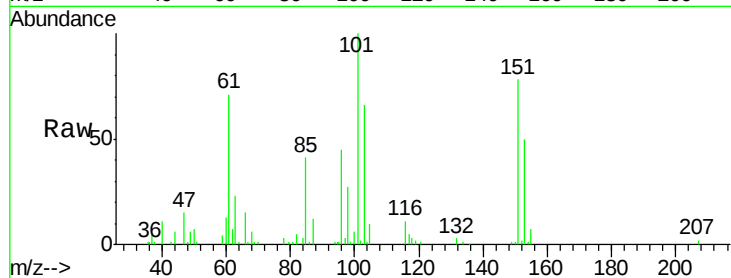
Tgt Ion:101 Resp: 95273

Ion Ratio Lower Upper

101 100

85 45.0 35.0 52.4

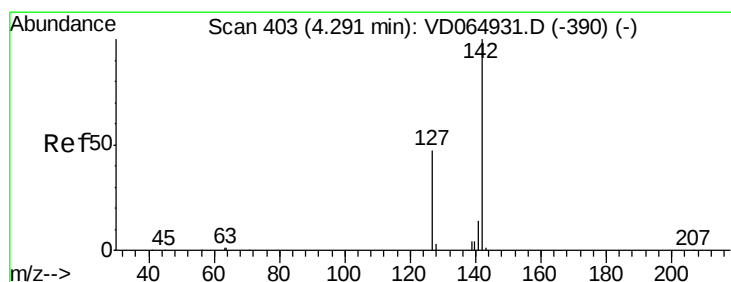
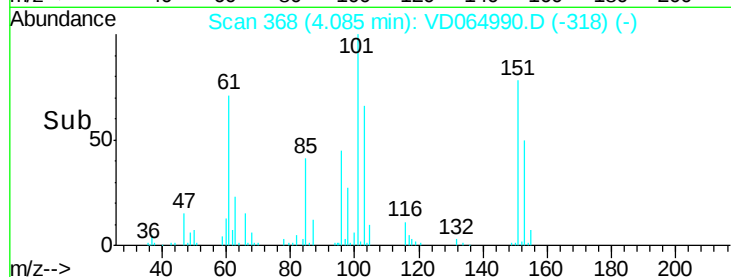
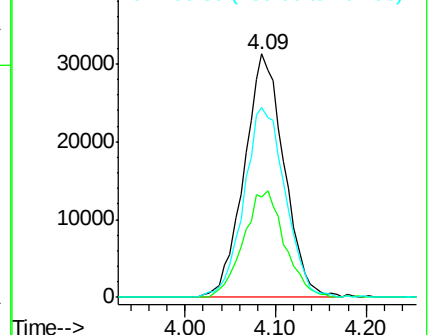
151 80.8 64.6 96.8



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: 18.42 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

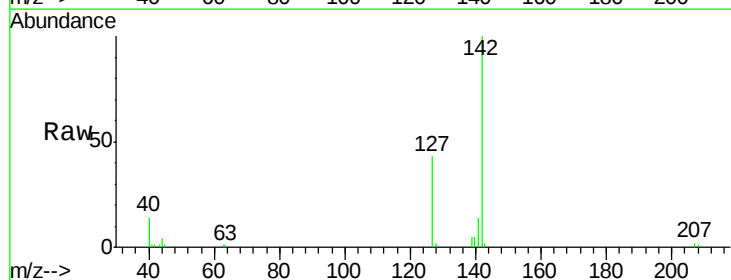
Tgt Ion:142 Resp: 87662

Ion Ratio Lower Upper

142 100

127 44.7 36.2 54.2

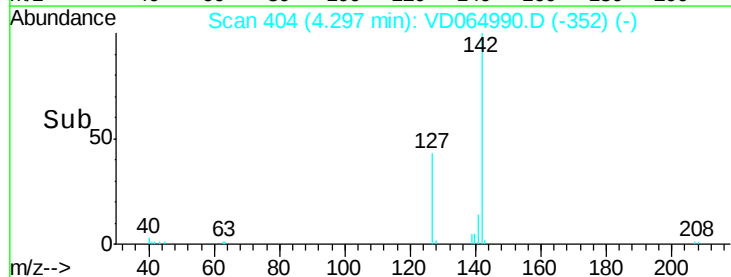
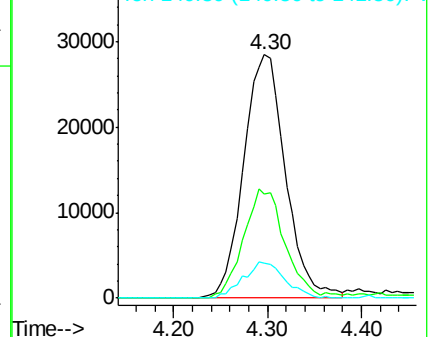
141 14.7 11.6 17.4

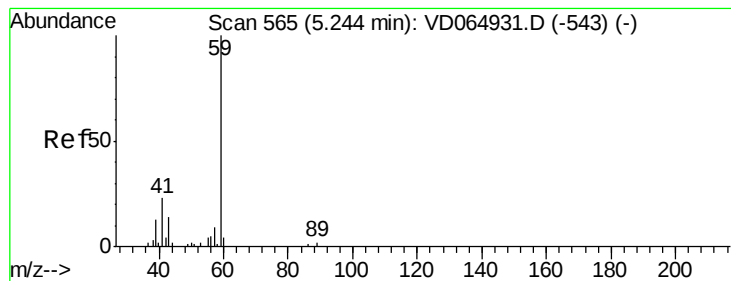


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 92.86 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

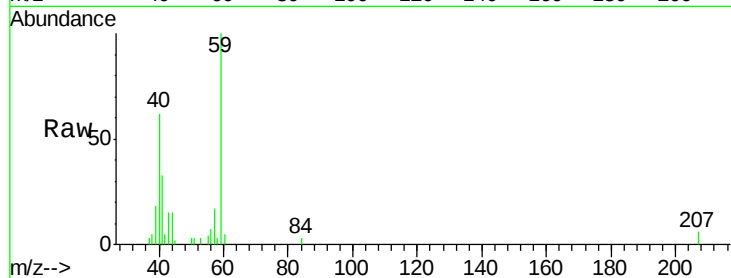
VD0129SBS01

Tgt Ion: 59 Resp: 24217

Ion Ratio Lower Upper

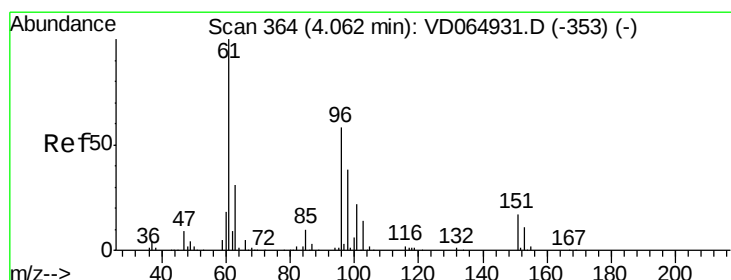
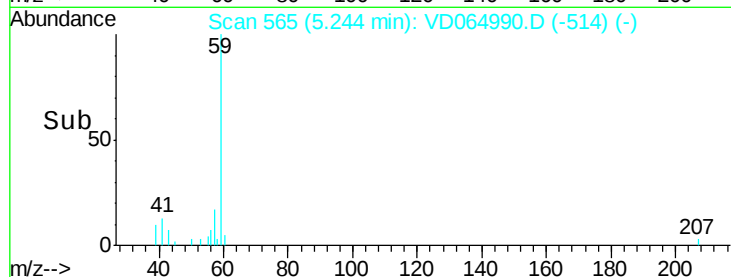
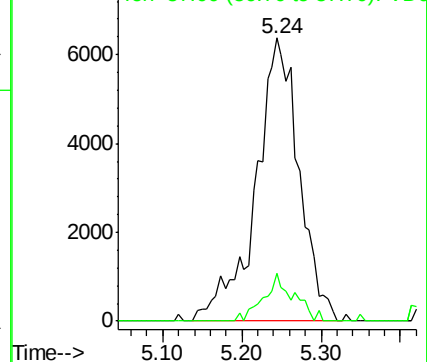
59 100

57 11.6 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.76 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

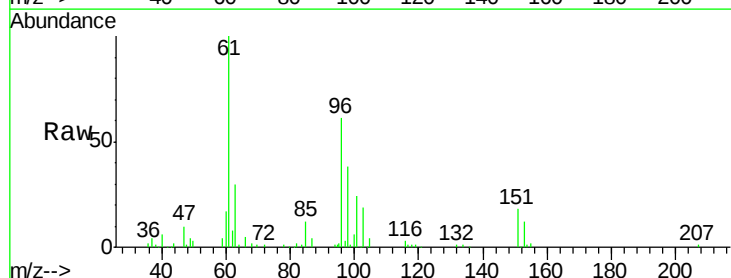
Tgt Ion: 96 Resp: 88925

Ion Ratio Lower Upper

96 100

61 163.3 137.0 205.4

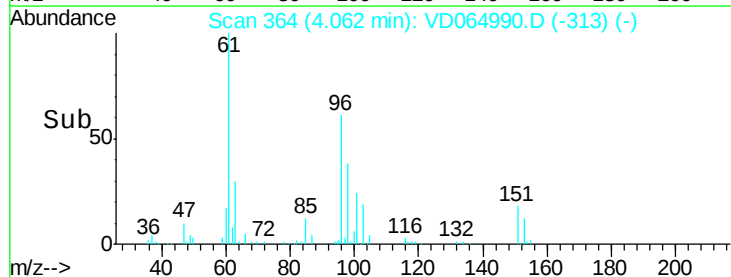
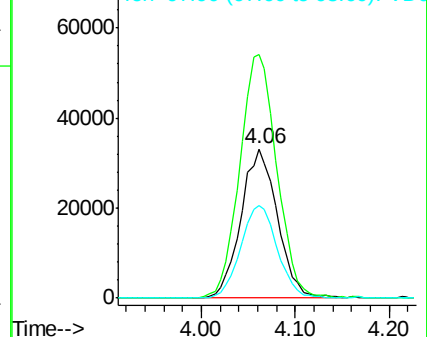
98 62.4 52.1 78.1

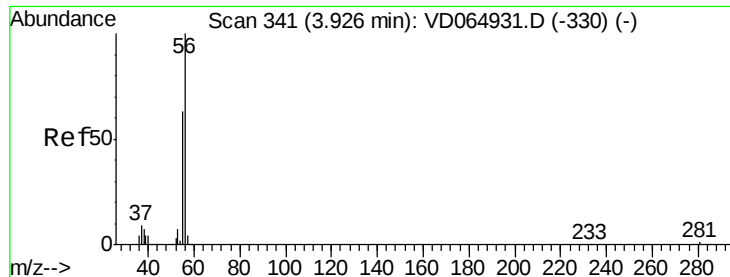


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 77.32 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

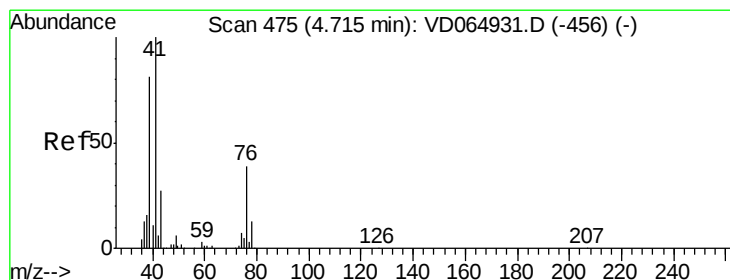
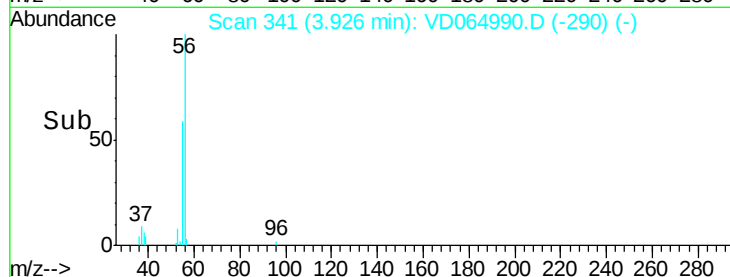
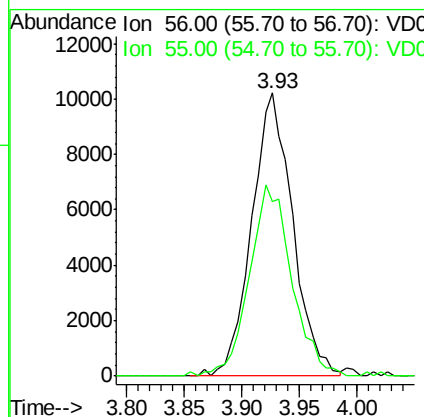
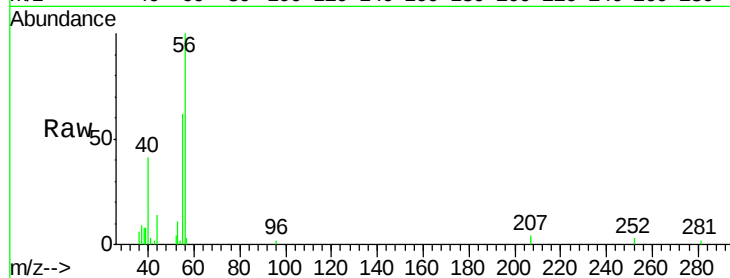
VD0129SBS01

Tgt Ion: 56 Resp: 25277

Ion Ratio Lower Upper

56 100

55 69.8 59.7 89.5



#14

Allyl chloride

Concen: 21.28 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

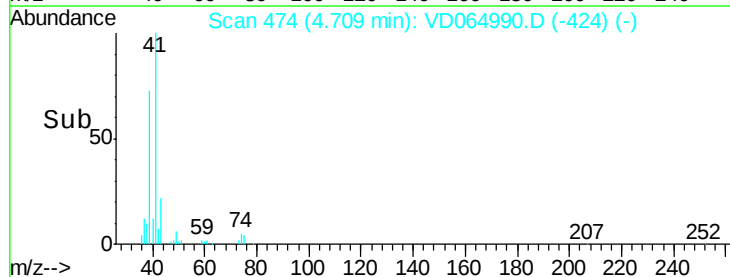
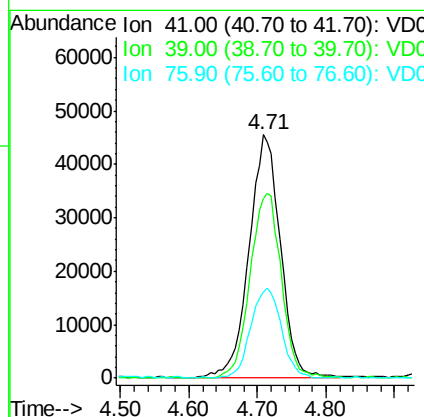
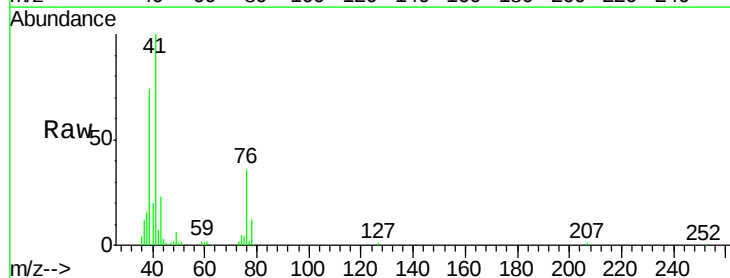
Tgt Ion: 41 Resp: 145352

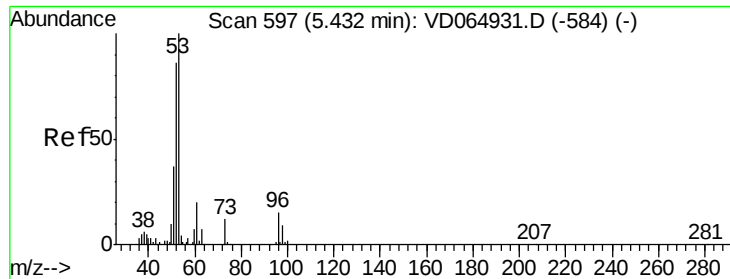
Ion Ratio Lower Upper

41 100

39 75.3 62.0 93.0

76 35.6 29.3 43.9





#15

Acrylonitrile

Concen: 96.47 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

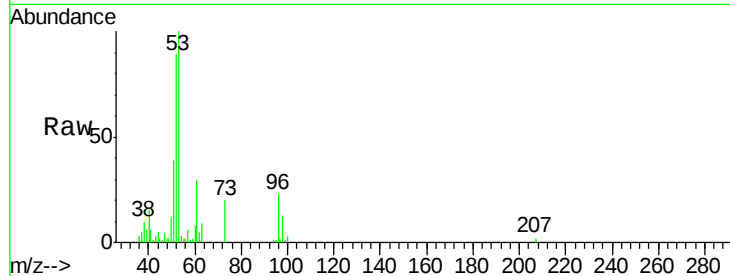
Tgt Ion: 53 Resp: 90873

Ion Ratio Lower Upper

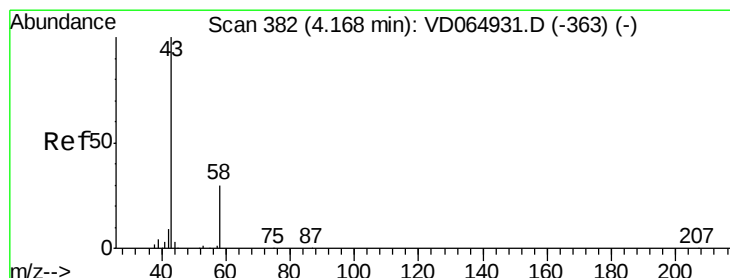
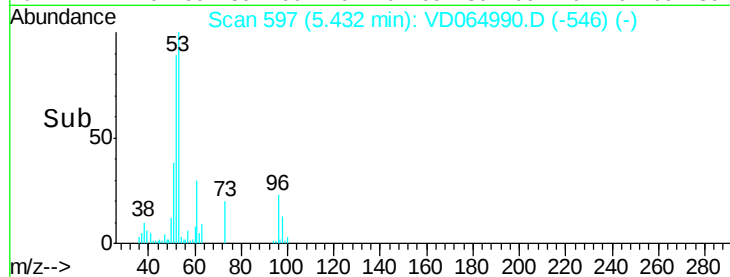
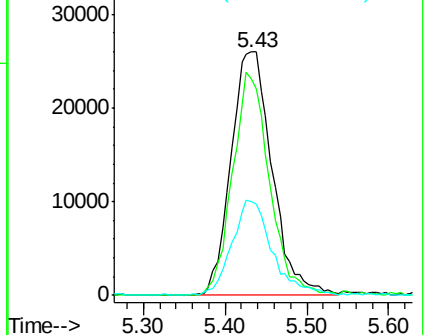
53 100

52 82.3 66.7 100.1

51 38.3 31.1 46.7



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: 82.91 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064990.D

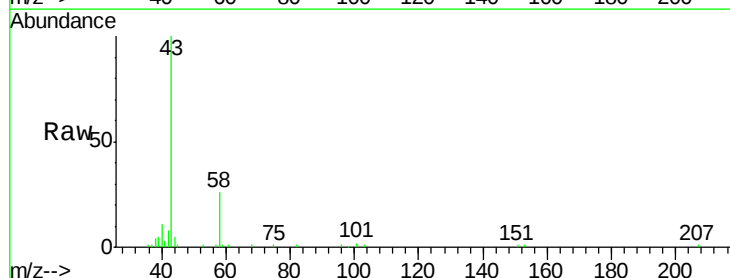
Acq: 29 Jan 2020 12:00

Tgt Ion: 43 Resp: 92260

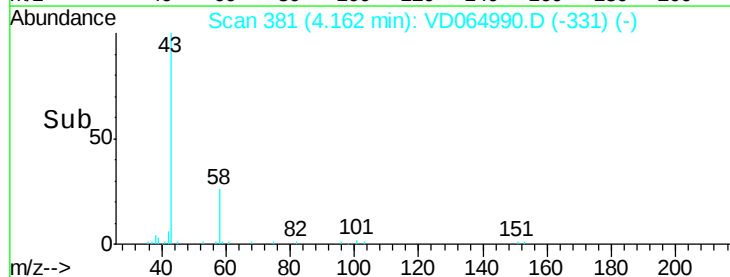
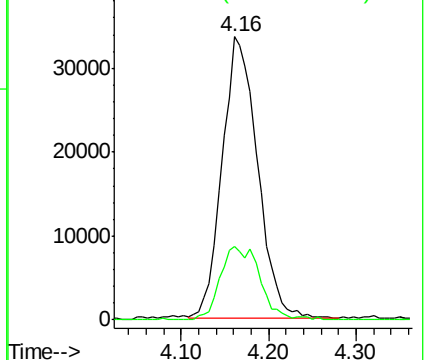
Ion Ratio Lower Upper

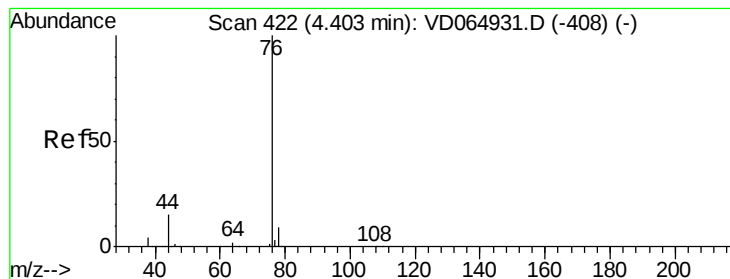
43 100

58 26.4 23.8 35.8



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





#17

Carbon Disulfide

Concen: 20.38 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

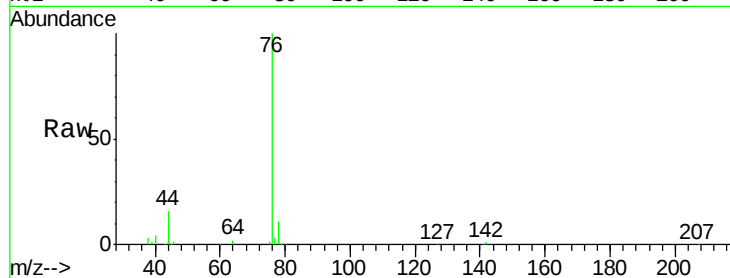
VD0129SBS01

Tgt Ion: 76 Resp: 287298

Ion Ratio Lower Upper

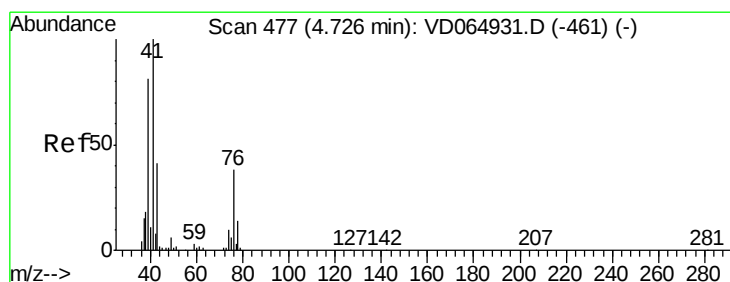
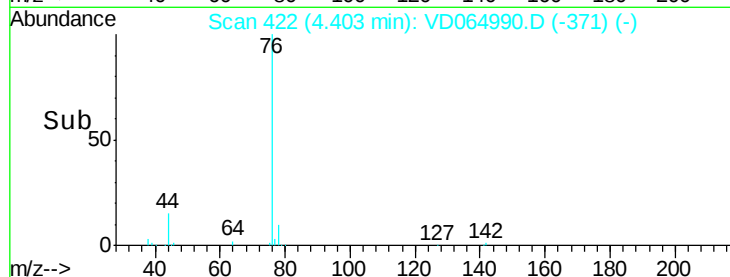
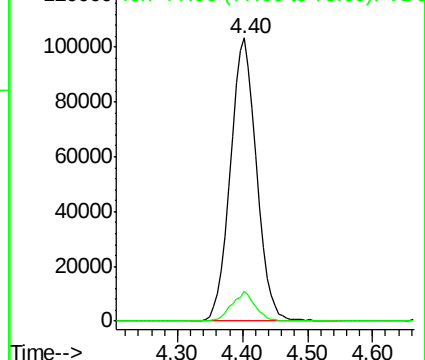
76 100

78 10.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.01 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD064990.D

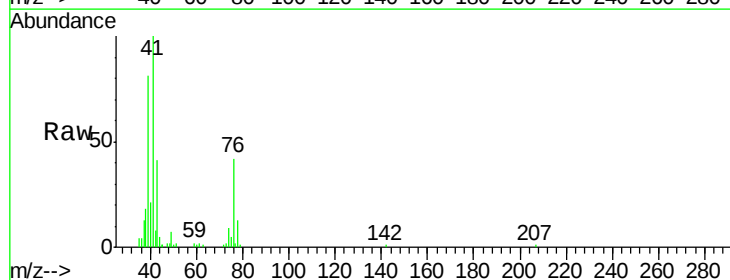
Acq: 29 Jan 2020 12:00

Tgt Ion: 43 Resp: 44236

Ion Ratio Lower Upper

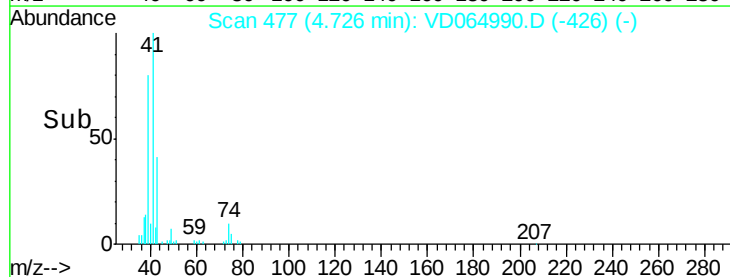
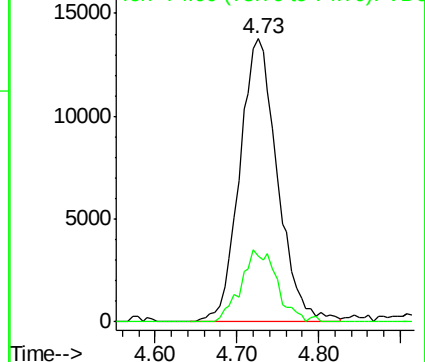
43 100

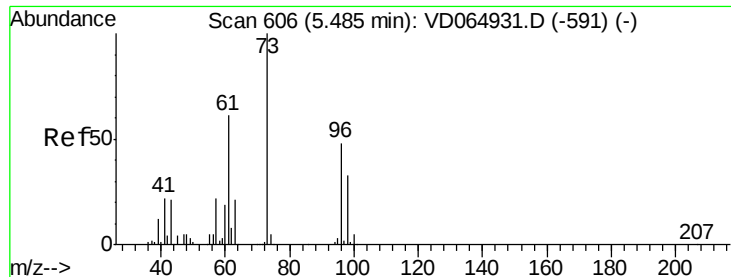
74 23.9 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

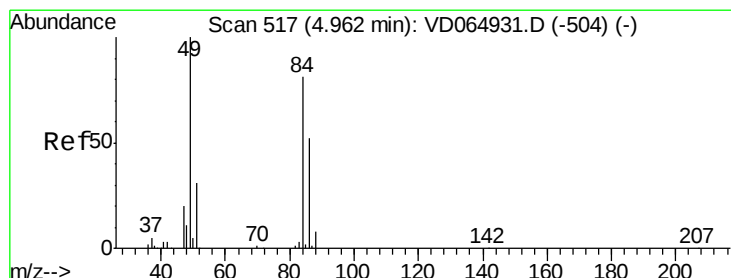
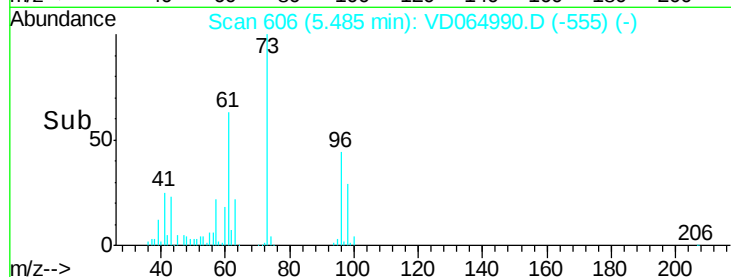
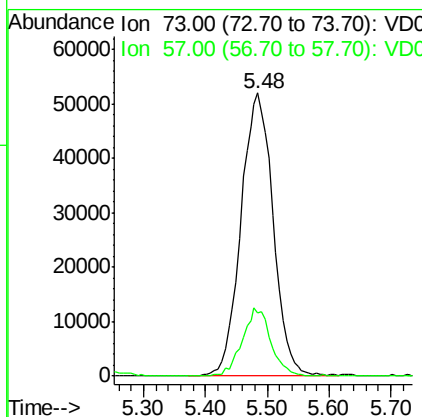
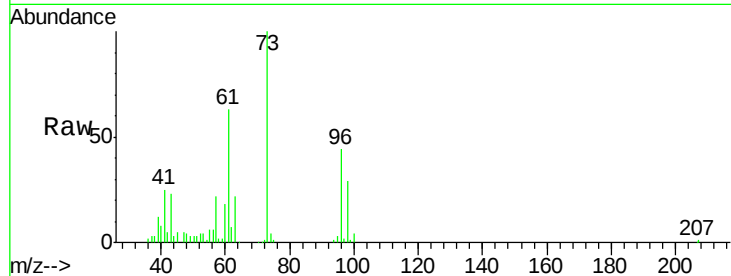




#19
Methyl tert-butyl Ether
Concen: 19.67 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

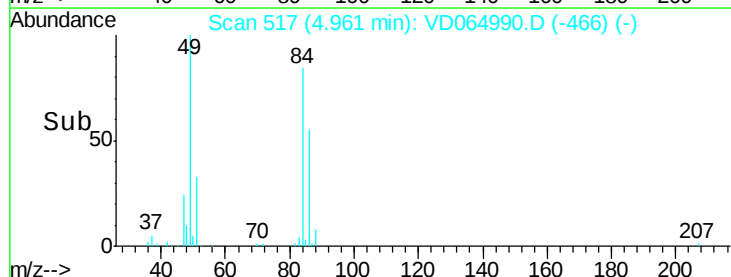
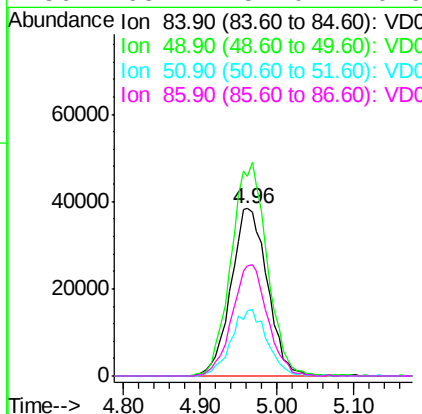
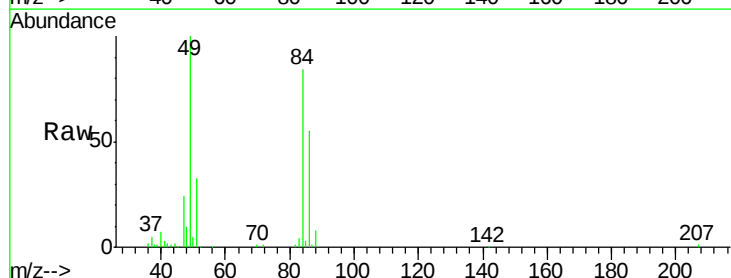
Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

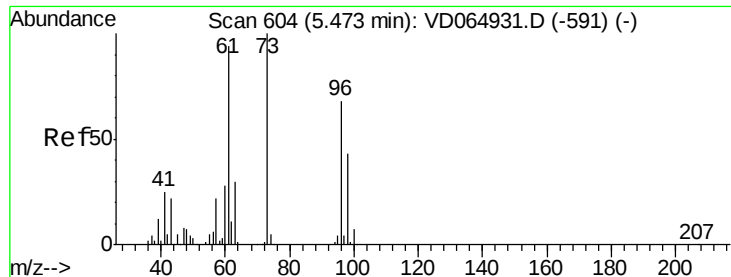
Tgt Ion: 73 Resp: 188233
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 24.26 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion: 84 Resp: 126460
Ion Ratio Lower Upper
84 100
49 119.0 98.4 147.6
51 39.2 30.8 46.2
86 65.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.59 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

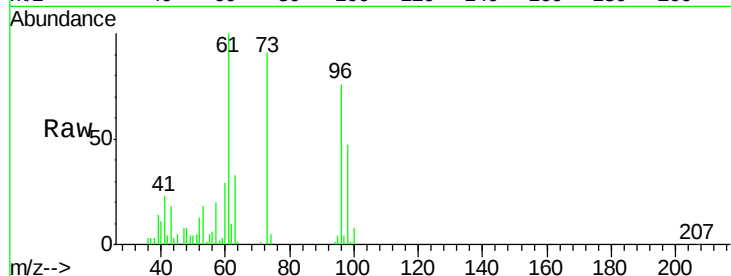
Tgt Ion: 96 Resp: 101595

Ion Ratio Lower Upper

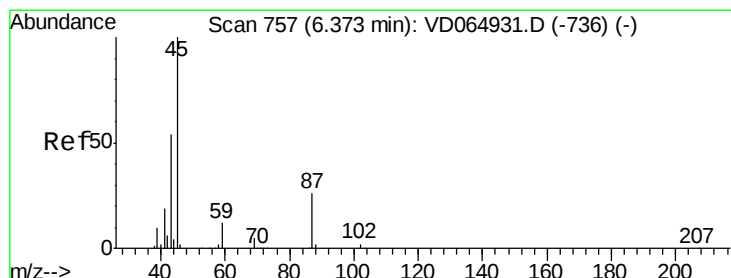
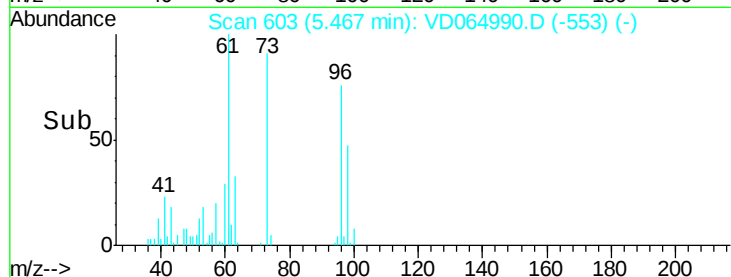
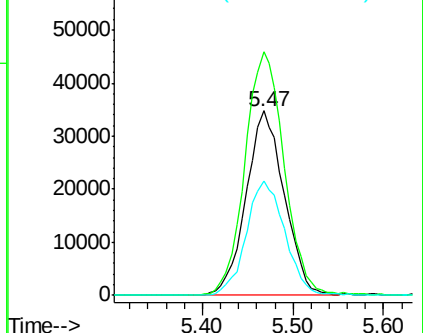
96 100

61 132.2 110.4 165.6

98 62.0 50.5 75.7



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



#22

Diisopropyl ether

Concen: 20.23 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Tgt Ion: 45 Resp: 275394

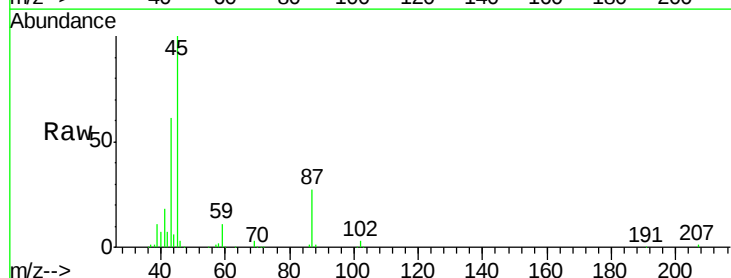
Ion Ratio Lower Upper

45 100

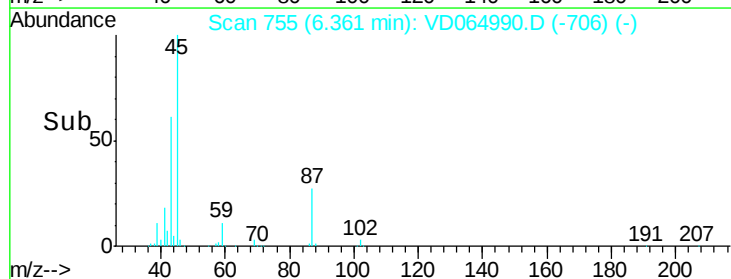
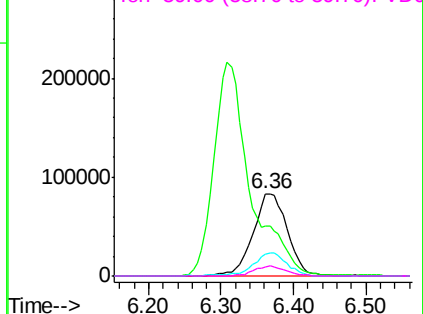
43 59.5 43.1 64.7

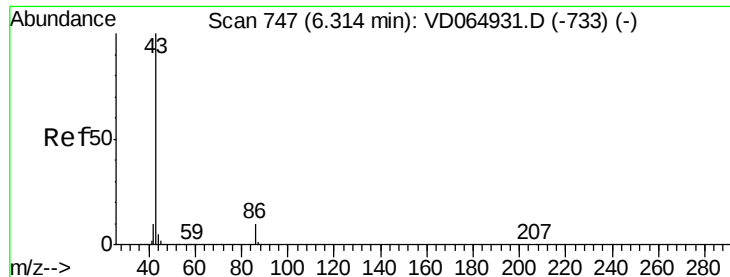
87 26.4 21.4 32.2

59 11.3 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 94.95 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

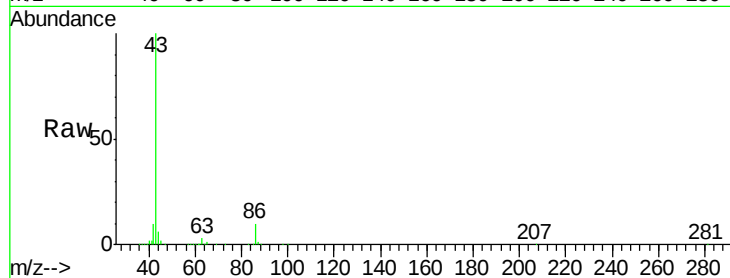
VD0129SBS01

Tgt Ion: 43 Resp: 756739

Ion Ratio Lower Upper

43 100

86 10.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

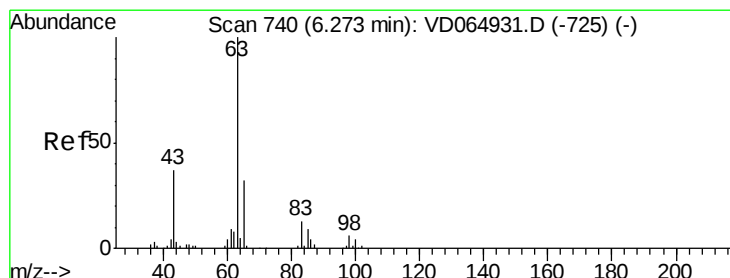
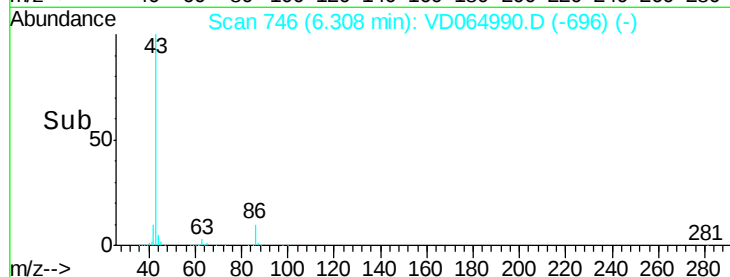
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.69 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

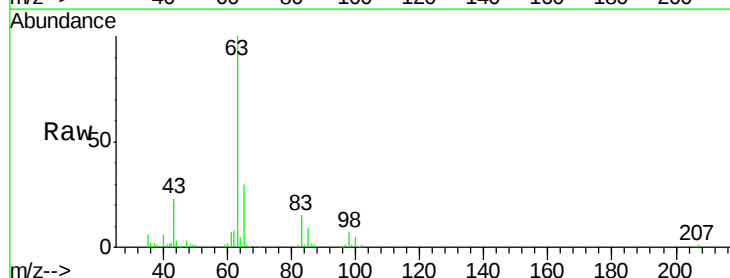
Tgt Ion: 63 Resp: 172893

Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.3

100 4.9 2.3 6.8



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

60000

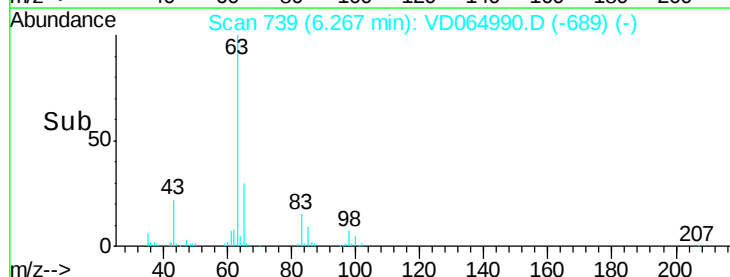
40000

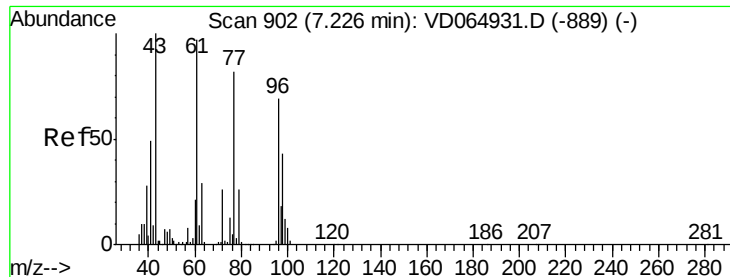
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 89.96 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

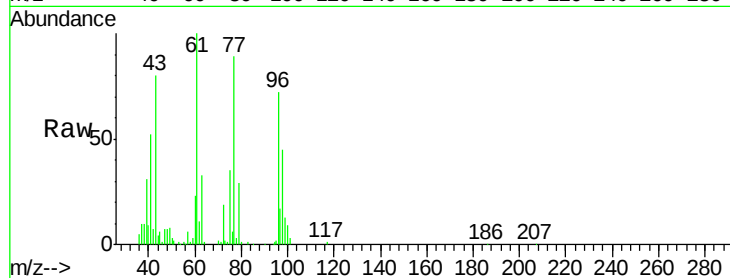
VD0129SBS01

Tgt Ion: 43 Resp: 114695

Ion Ratio Lower Upper

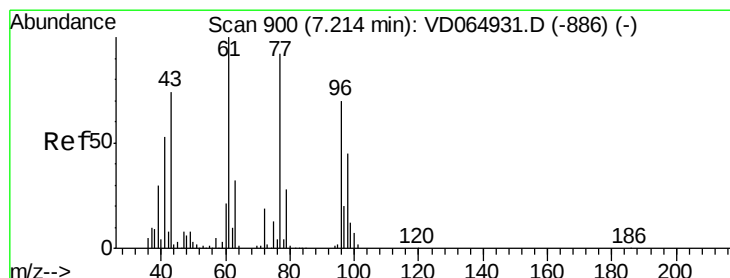
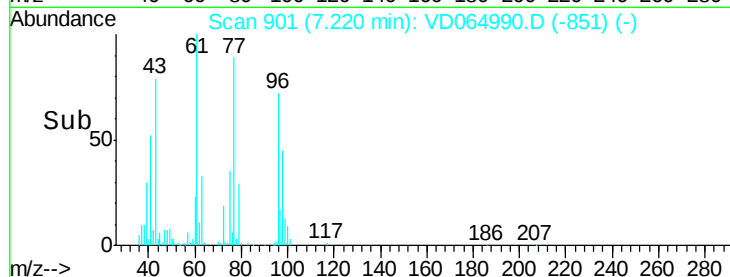
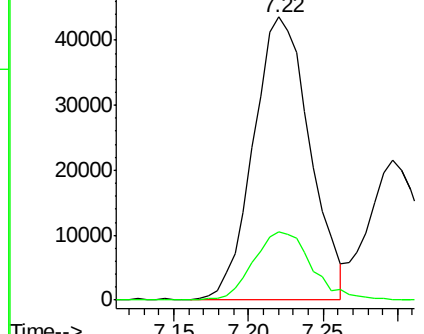
43 100

72 24.2 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.14 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064990.D

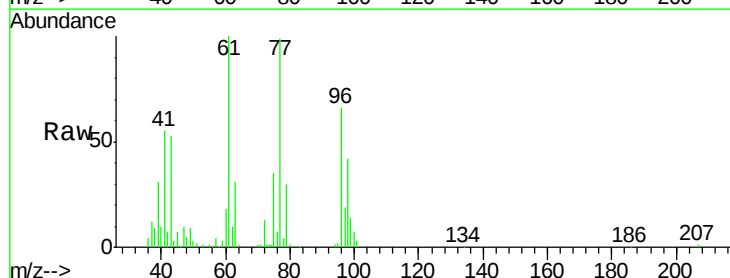
Acq: 29 Jan 2020 12:00

Tgt Ion: 77 Resp: 160275

Ion Ratio Lower Upper

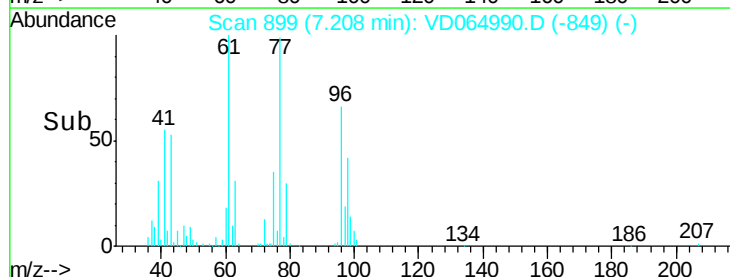
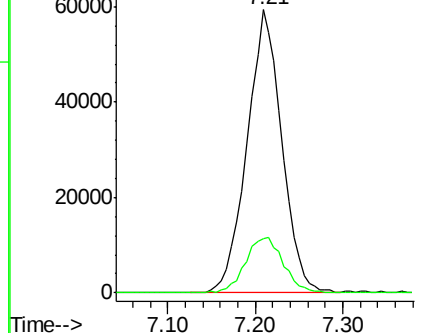
77 100

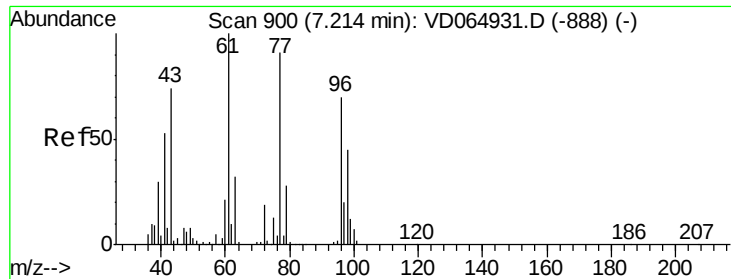
97 21.5 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 20.42 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

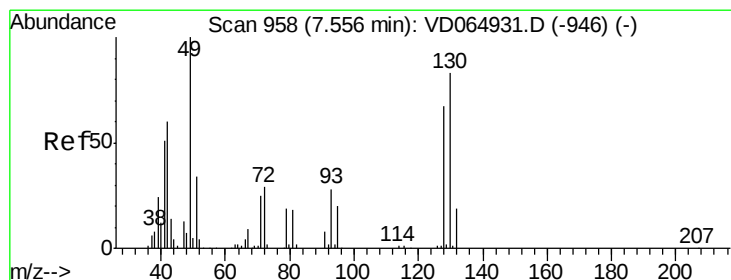
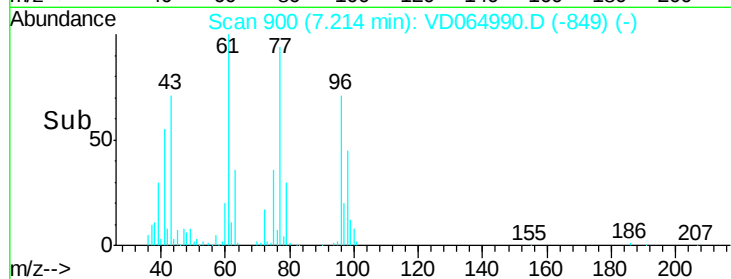
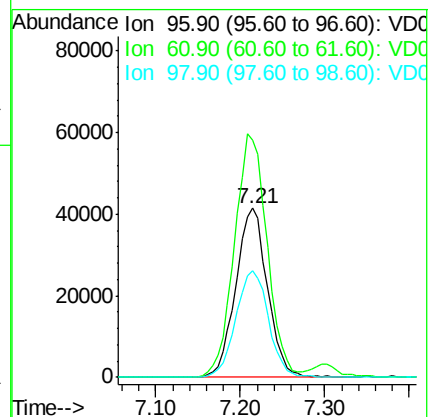
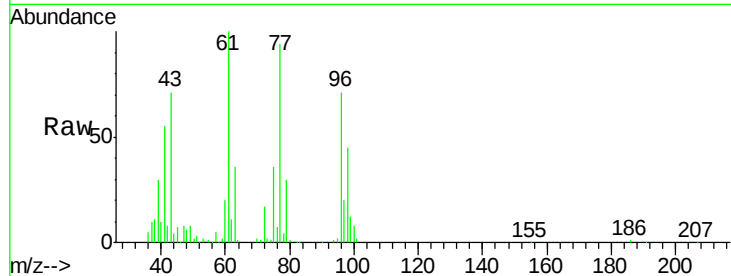
Tgt Ion: 96 Resp: 107518

Ion Ratio Lower Upper

96 100

61 147.4 0.0 292.8

98 65.0 0.0 130.0



#28

Bromochloromethane

Concen: 17.02 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

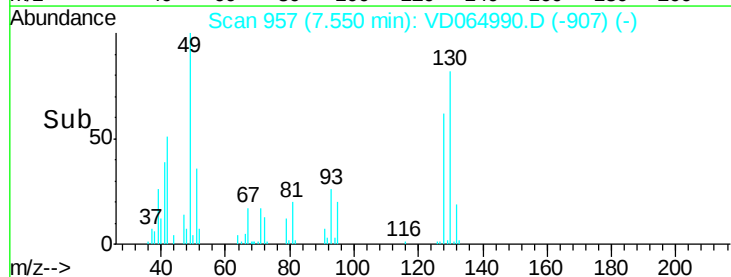
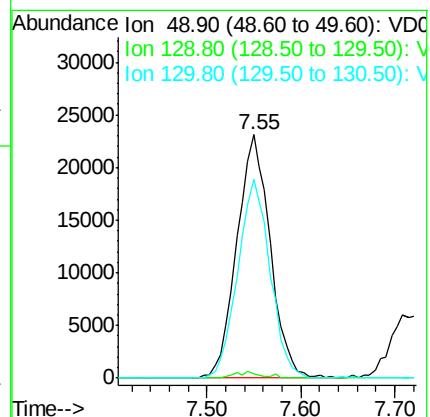
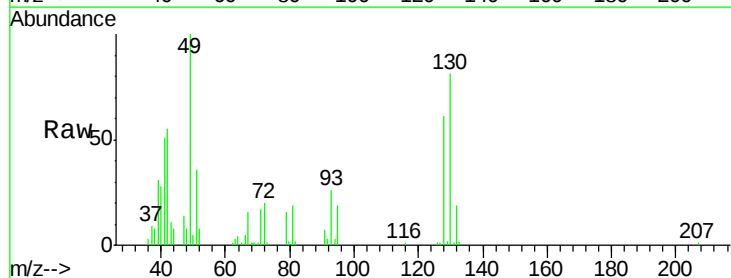
Tgt Ion: 49 Resp: 56901

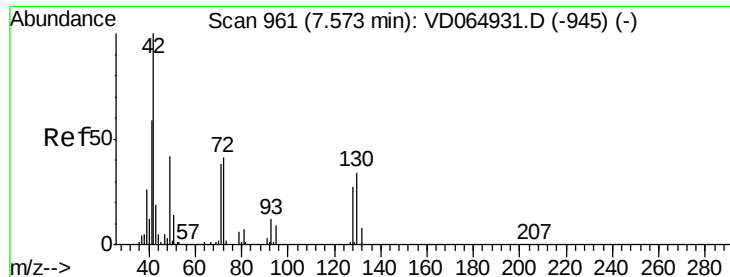
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.4

130 79.0 63.8 95.8

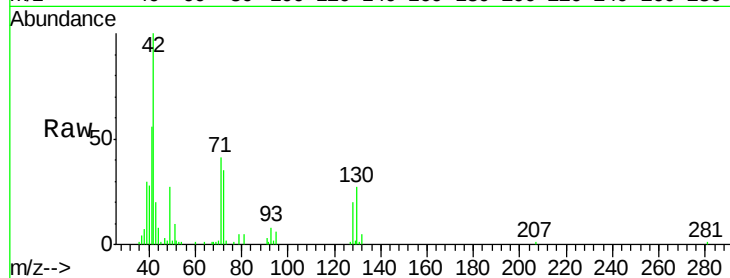




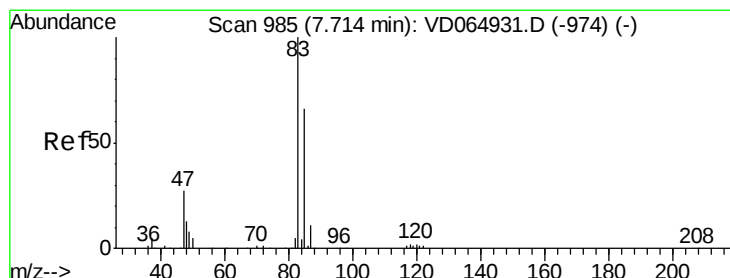
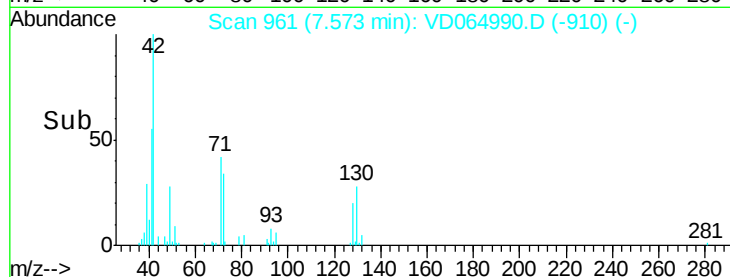
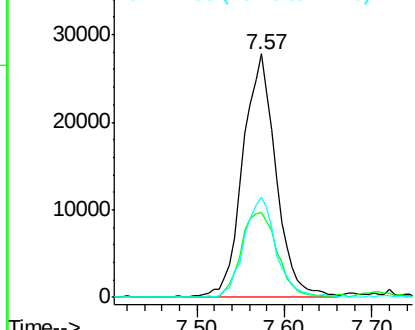
#29
Tetrahydrofuran
Concen: 91.19 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tgt Ion: 42 Resp: 71733
Ion Ratio Lower Upper
42 100
72 37.9 34.0 51.0
71 39.1 31.5 47.3

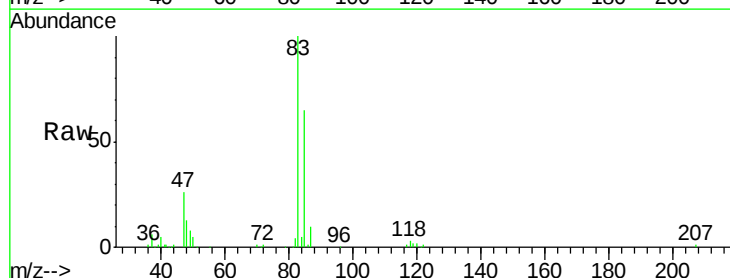


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

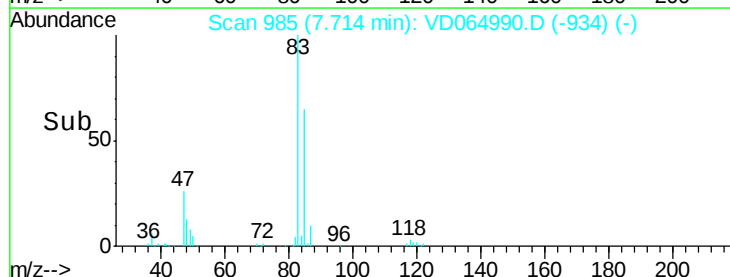
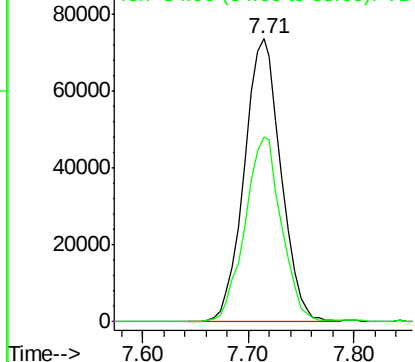


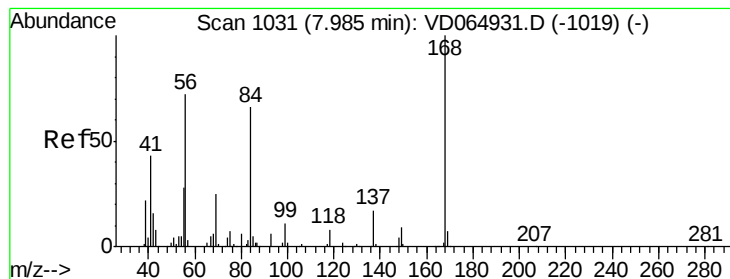
#30
Chloroform
Concen: 20.59 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion: 83 Resp: 177880
Ion Ratio Lower Upper
83 100
85 65.3 52.4 78.6



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





#31

Cyclohexane

Concen: 20.07 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

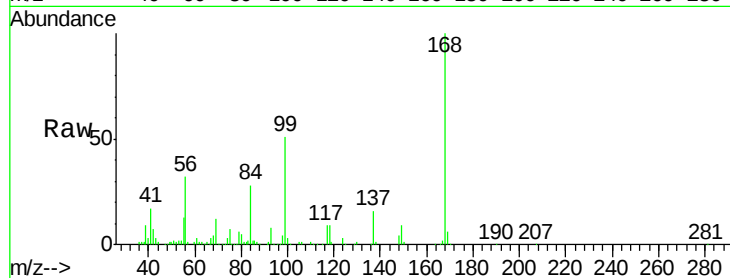
Tgt Ion: 56 Resp: 165044

Ion Ratio Lower Upper

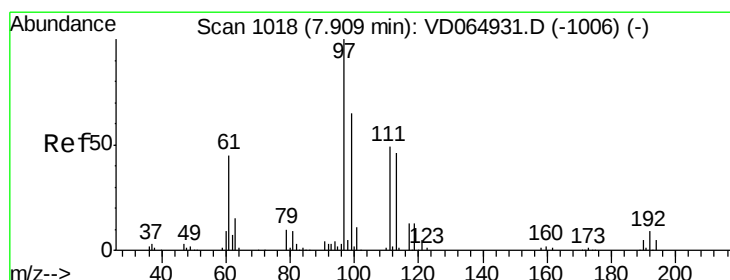
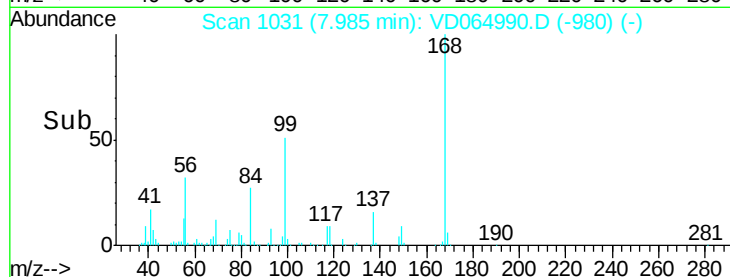
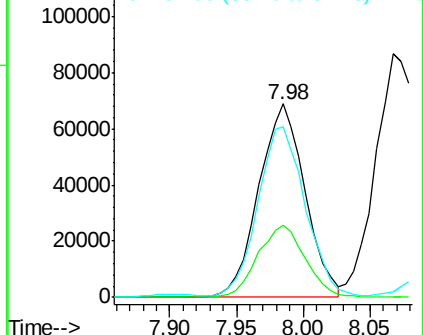
56 100

69 37.3 27.9 41.9

84 86.4 72.8 109.2



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: 20.68 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

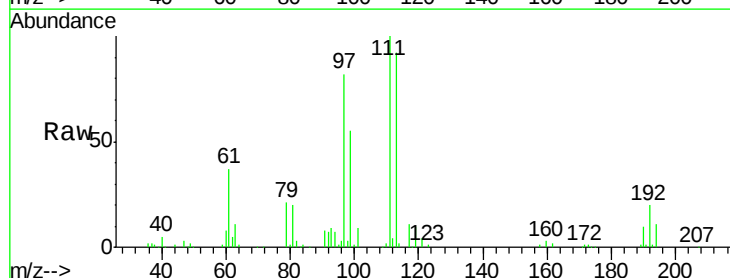
Tgt Ion: 97 Resp: 166232

Ion Ratio Lower Upper

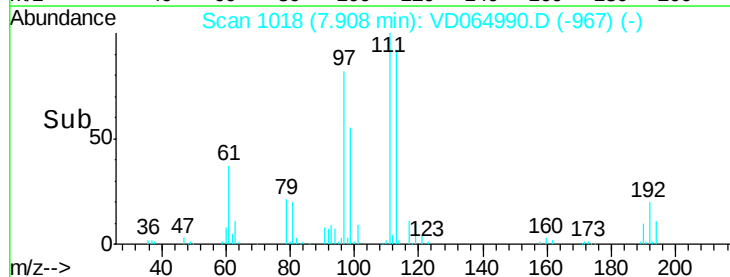
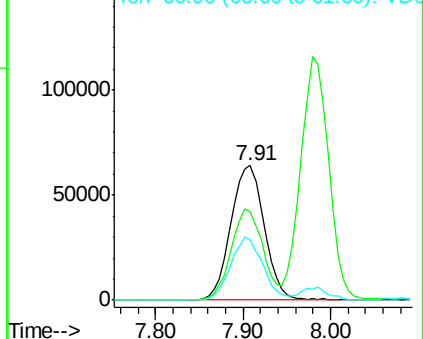
97 100

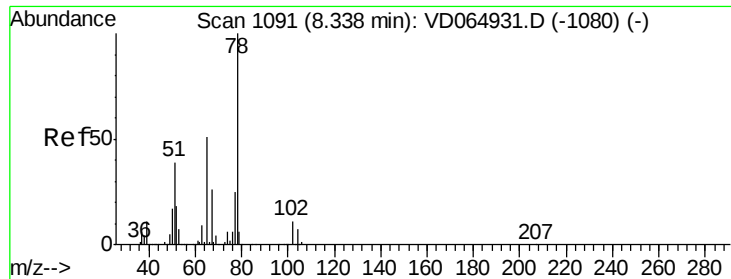
99 65.5 50.6 76.0

61 45.4 35.7 53.5



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

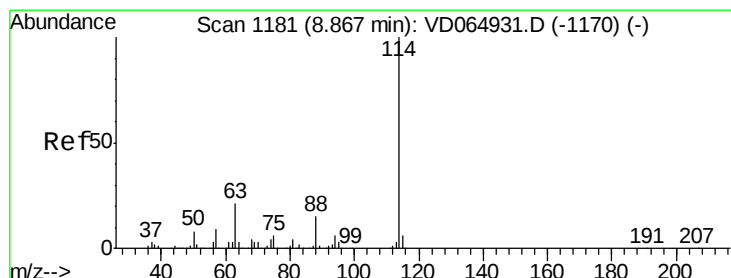
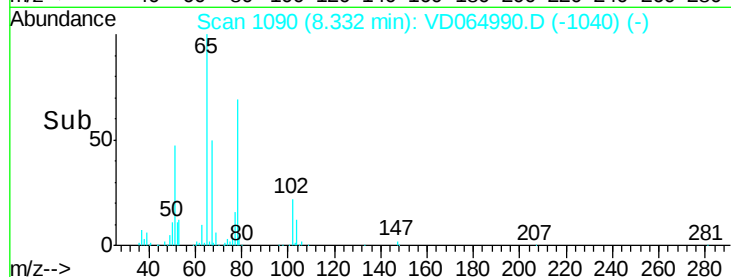
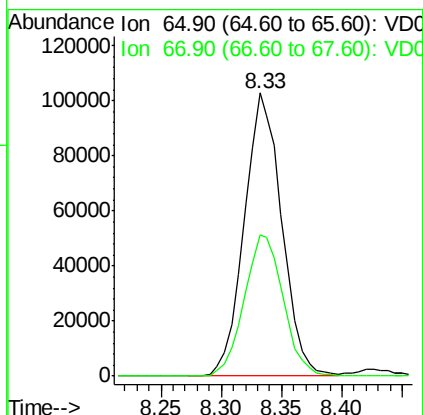
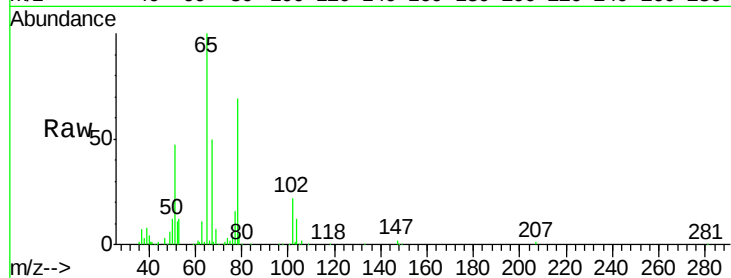




#33
 1,2-Dichloroethane-d4
 Concen: 47.19 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

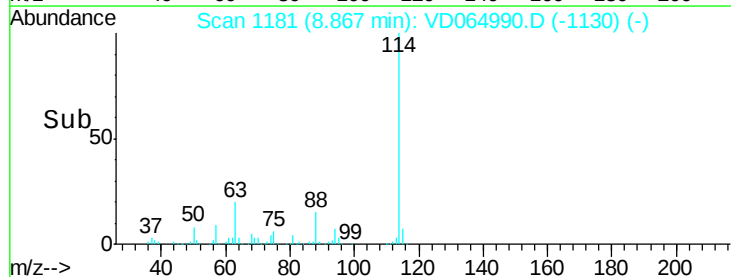
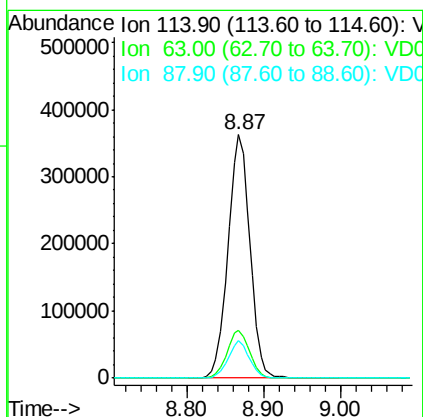
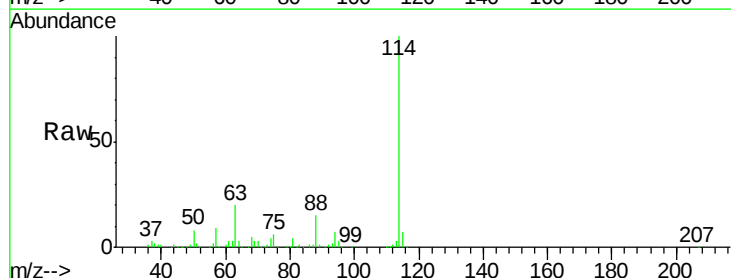
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tgt Ion: 65 Resp: 222701
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion: 114 Resp: 721226
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.0
 88 15.2 0.0 29.4

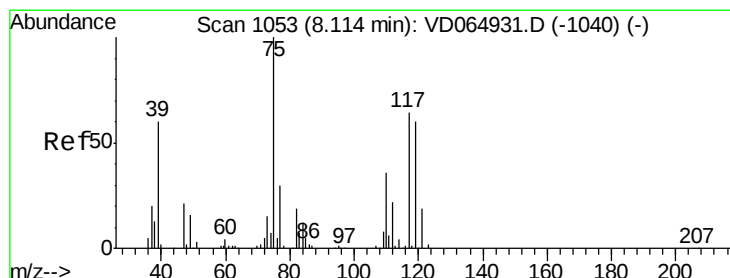
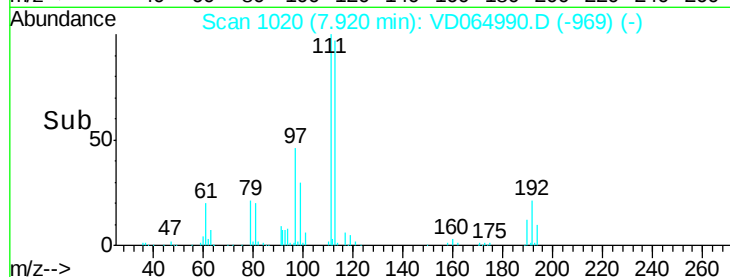
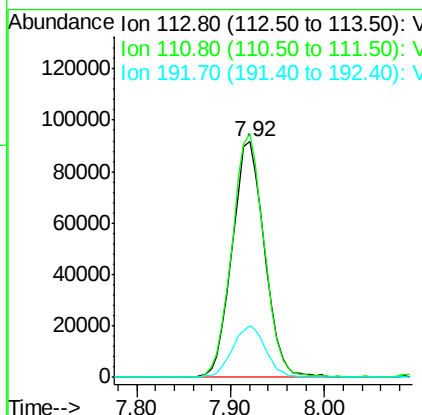
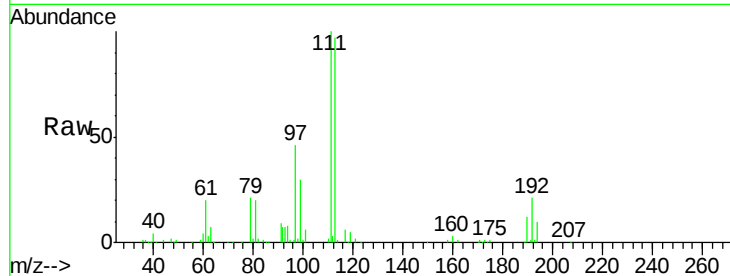




#35
 Dibromofluoromethane
 Concen: 48.41 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

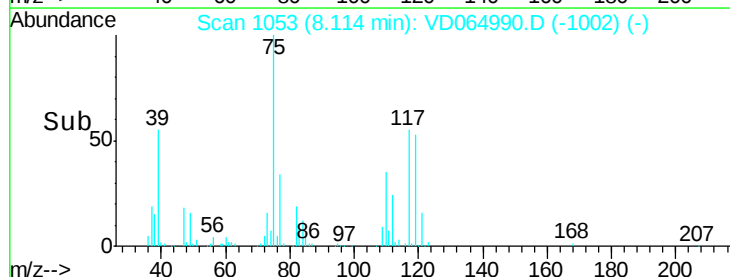
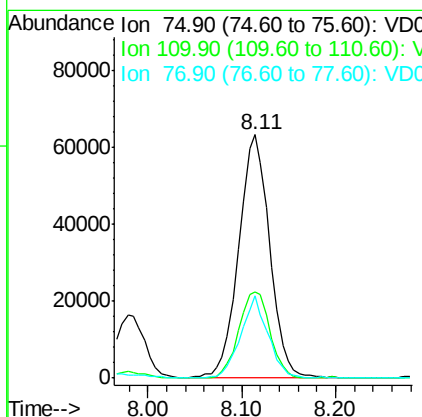
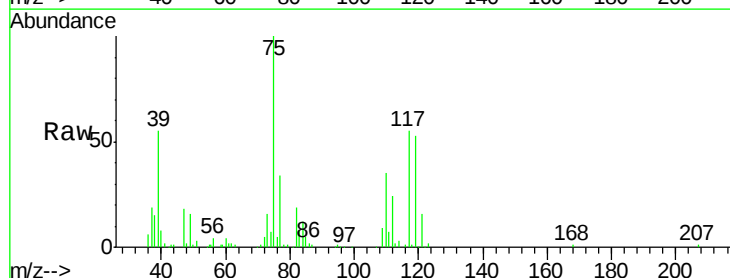
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

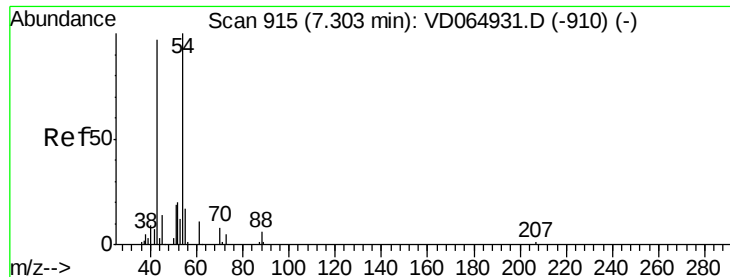
Tgt Ion: 113 Resp: 219427
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 22.0 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 20.84 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion: 75 Resp: 144958
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.3 52.0
 77 29.8 24.7 37.1

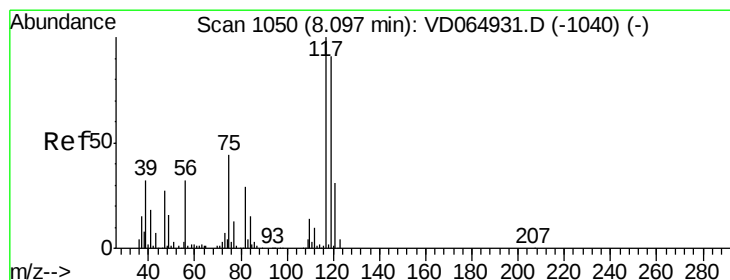
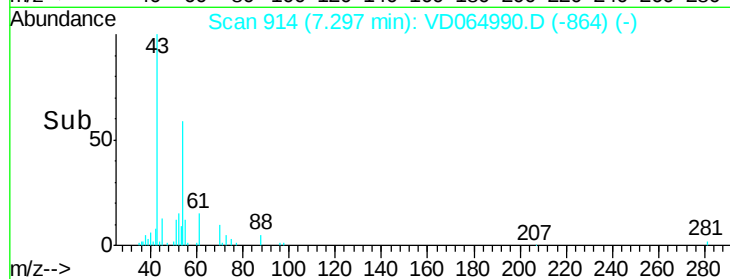
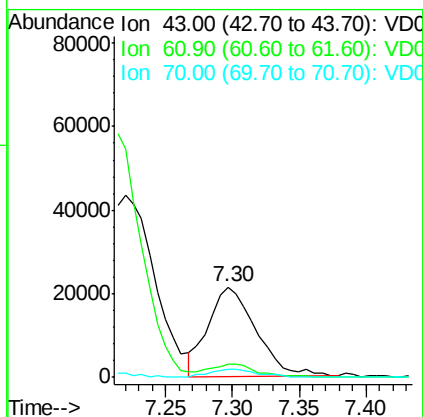
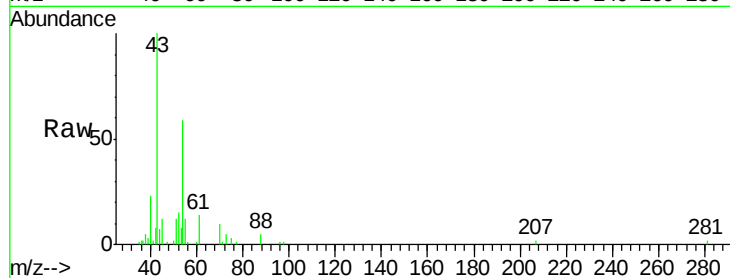




#37
 Ethyl Acetate
 Concen: 18.30 ug/l
 RT: 7.30 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

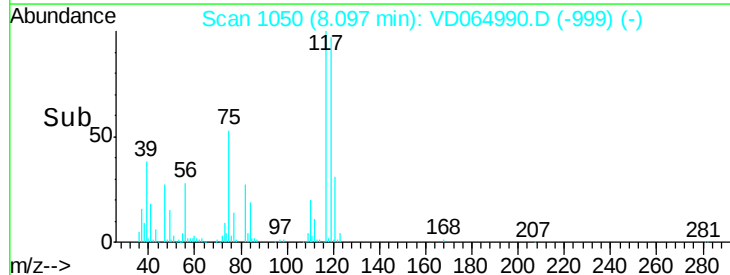
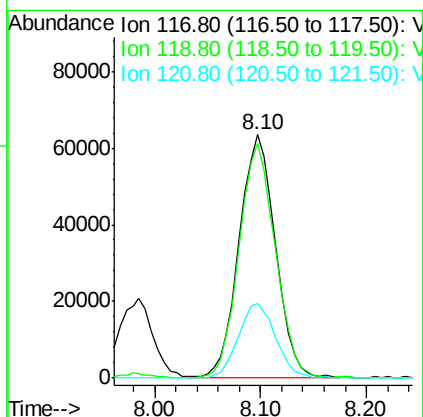
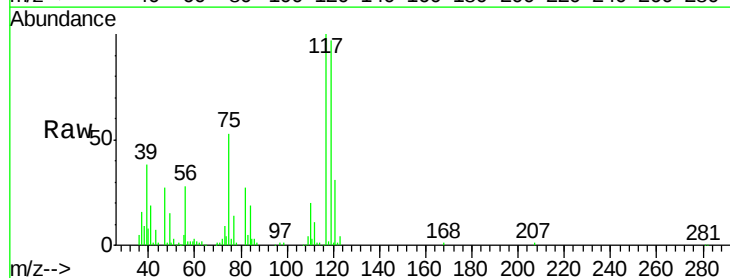
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

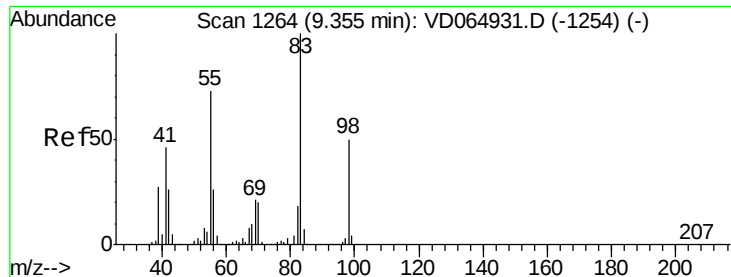
Tgt Ion: 43 Resp: 52571
 Ion Ratio Lower Upper
 43 100
 61 15.3 11.0 16.4
 70 9.9 7.5 11.3



#38
 Carbon Tetrachloride
 Concen: 20.72 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion: 117 Resp: 152287
 Ion Ratio Lower Upper
 117 100
 119 96.5 73.2 109.8
 121 30.8 24.4 36.6

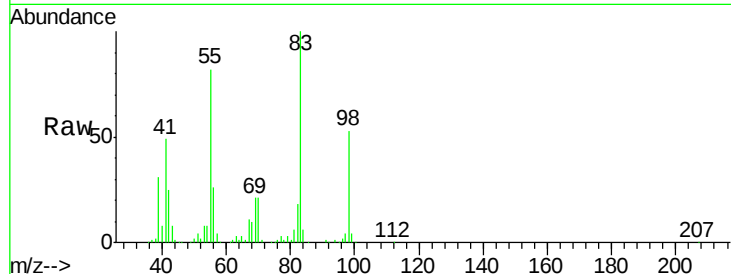




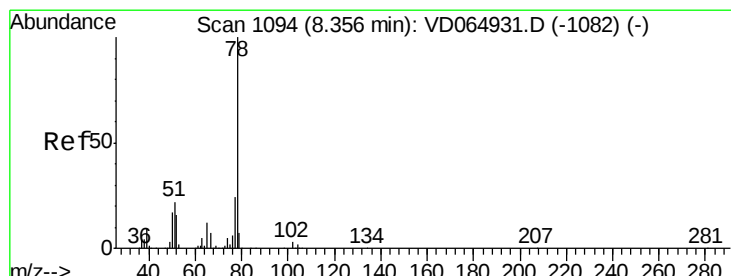
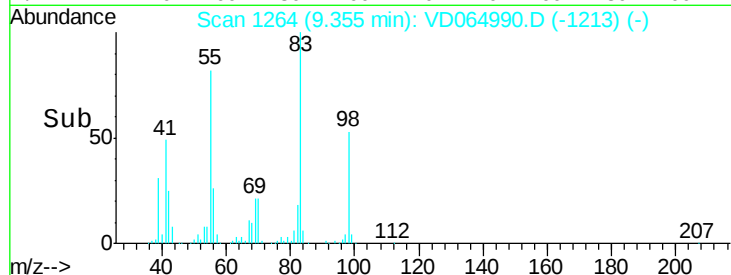
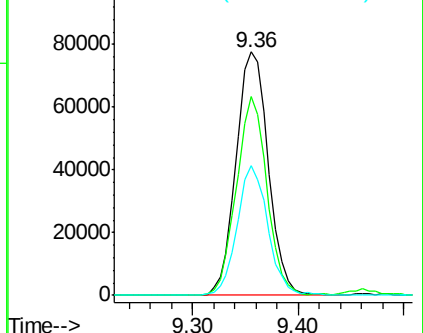
#39
Methylcyclohexane
Concen: 20.24 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tgt Ion: 83 Resp: 164556
Ion Ratio Lower Upper
83 100
55 81.6 58.7 88.1
98 53.4 40.2 60.2

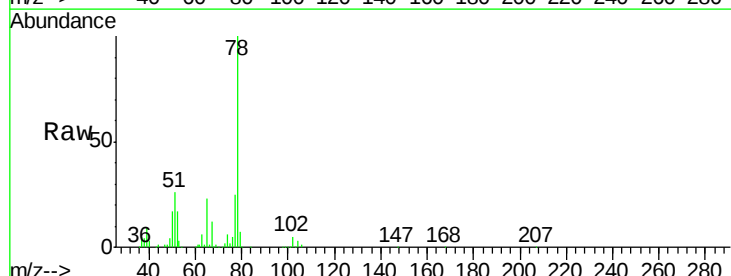


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

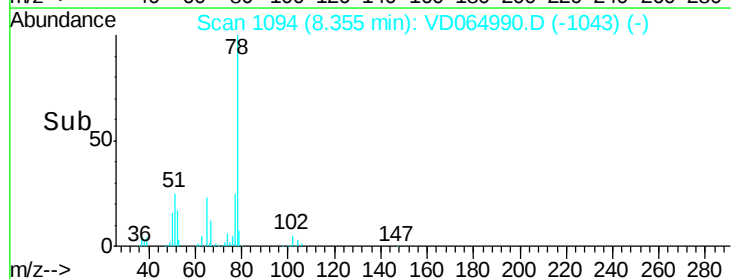
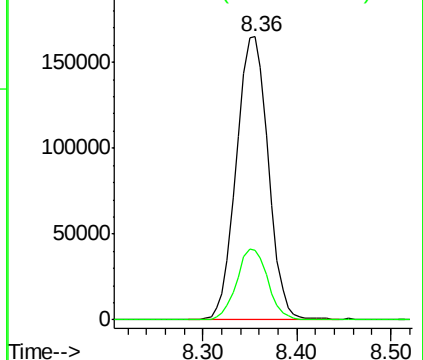


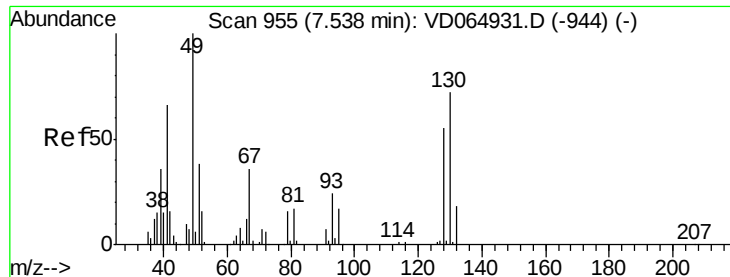
#40
Benzene
Concen: 20.29 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion: 78 Resp: 388713
Ion Ratio Lower Upper
78 100
77 24.7 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 16.60 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tgt Ion: 41 Resp: 25691

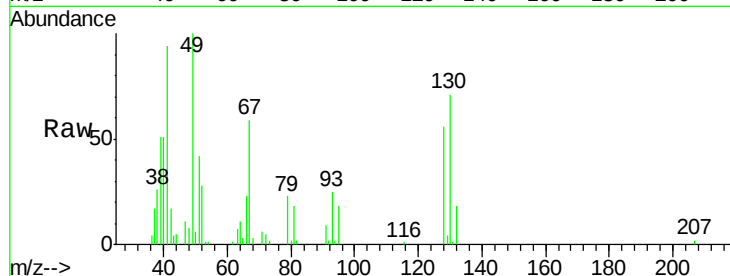
Ion Ratio Lower Upper

41 100

39 0.0 49.3 73.9#

67 84.1 51.0 76.6#

52 39.0 22.3 33.5#

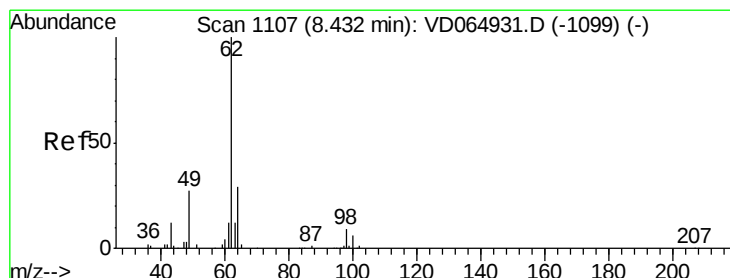
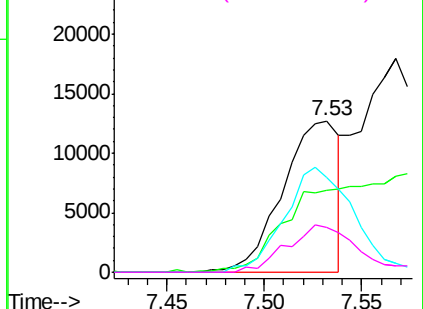
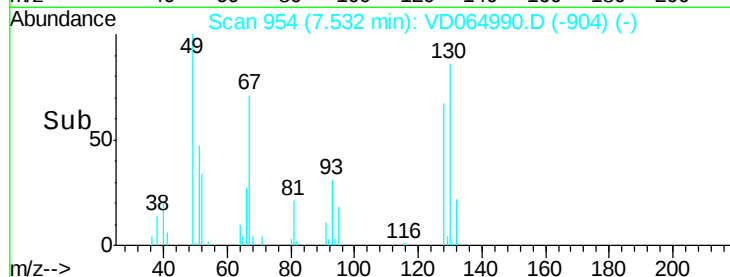


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 19.53 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064990.D

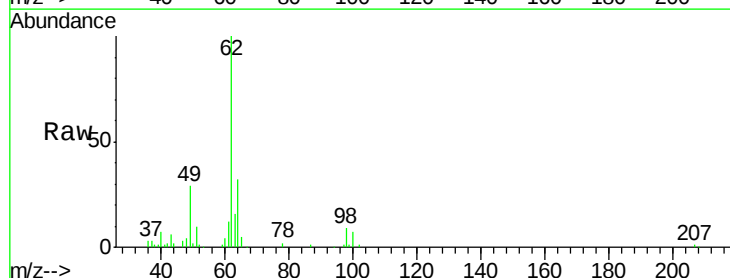
Acq: 29 Jan 2020 12:00

Tgt Ion: 62 Resp: 111456

Ion Ratio Lower Upper

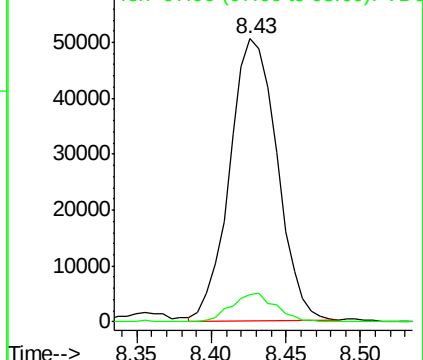
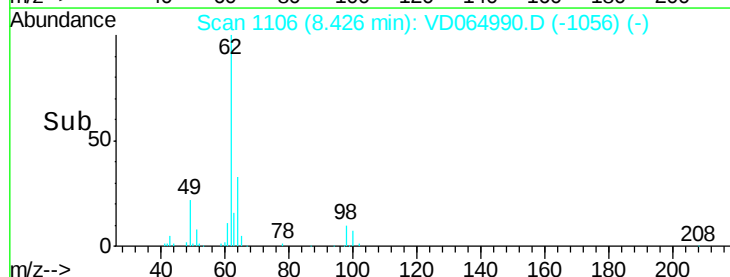
62 100

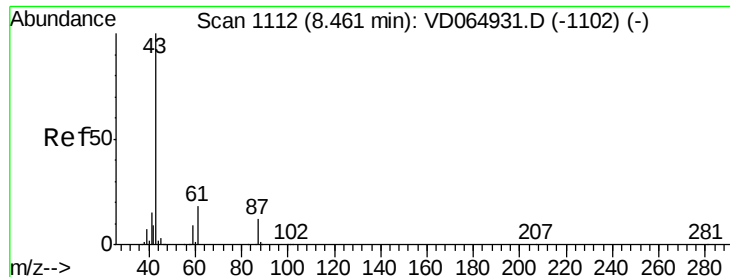
98 9.5 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.59 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

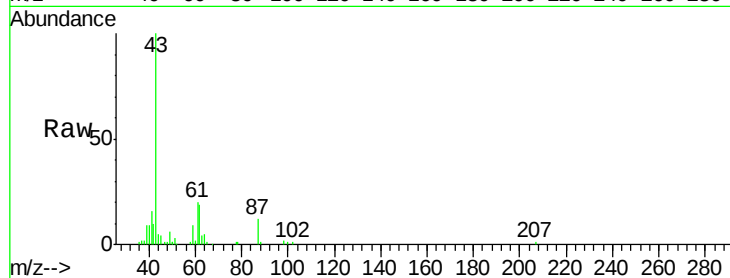
Tgt Ion: 43 Resp: 101428

Ion Ratio Lower Upper

43 100

61 30.5 23.8 35.6

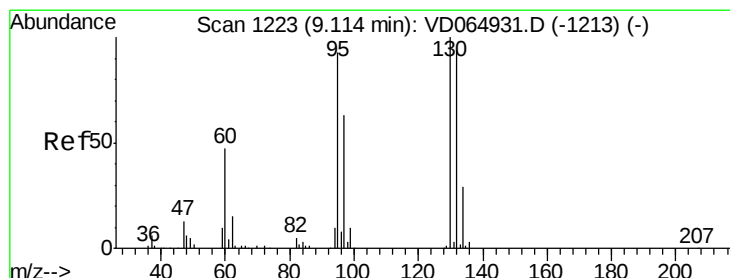
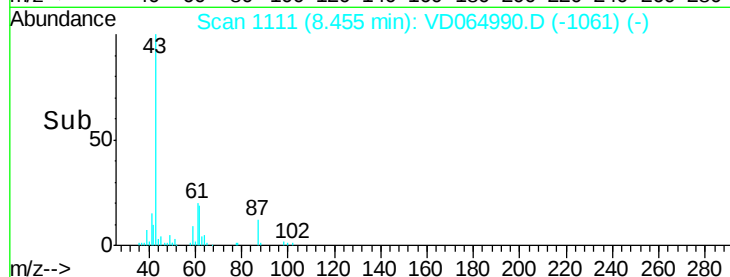
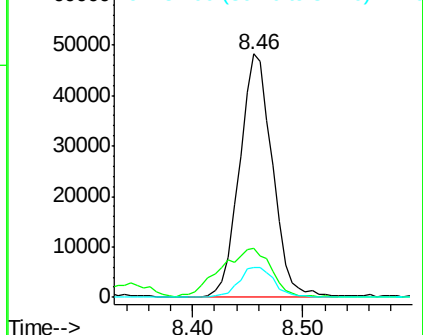
87 13.0 10.3 15.5



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: 20.62 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064990.D

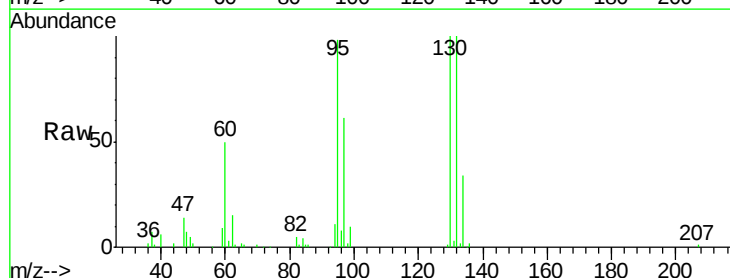
Acq: 29 Jan 2020 12:00

Tgt Ion: 130 Resp: 110549

Ion Ratio Lower Upper

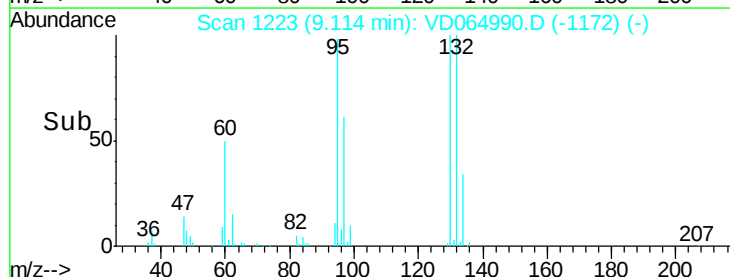
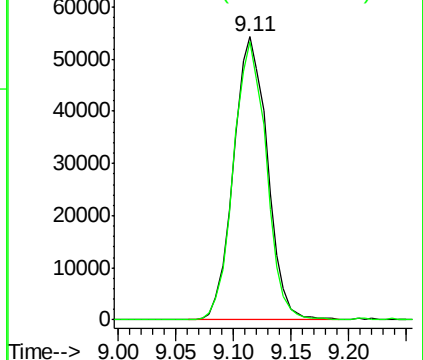
130 100

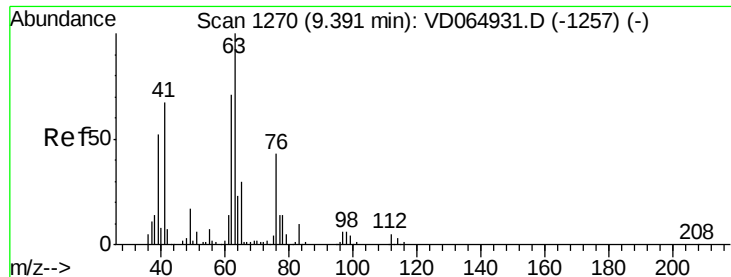
95 98.3 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

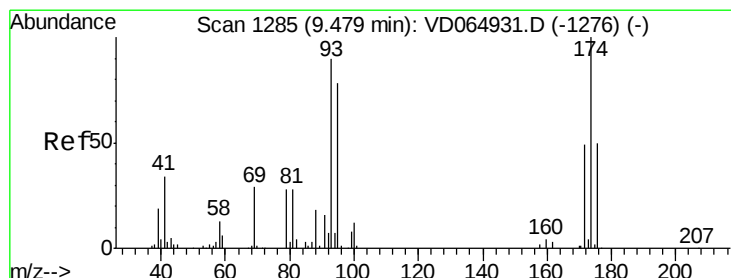
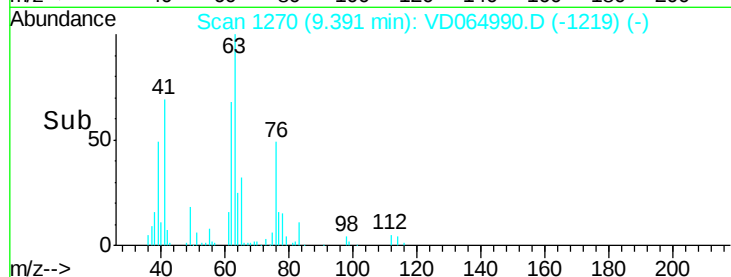
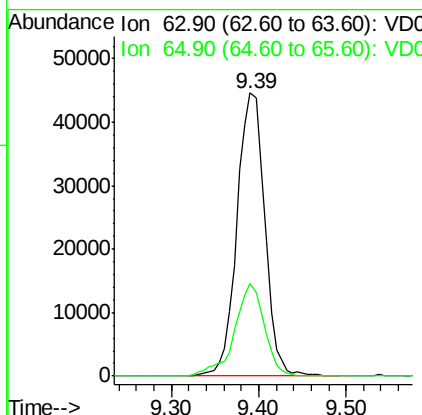
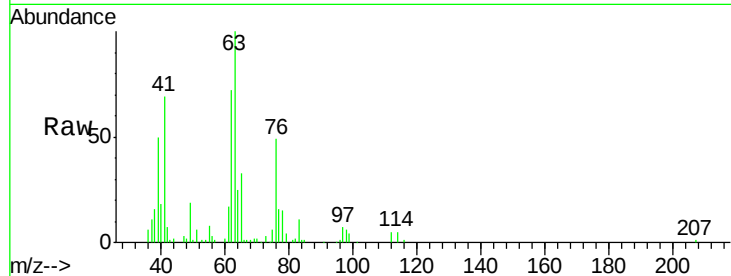




#45
 1,2-Dichloropropane
 Concen: 20.54 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

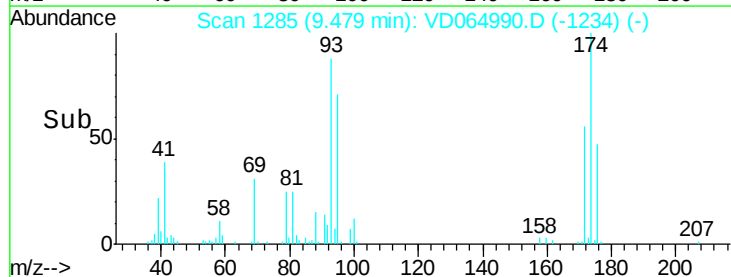
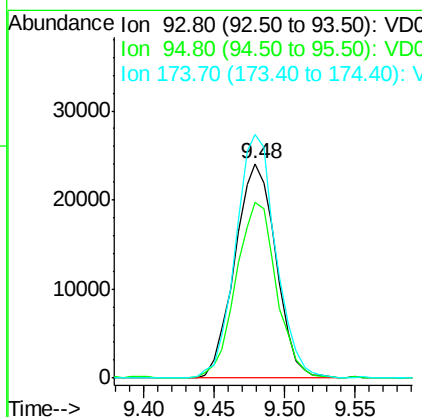
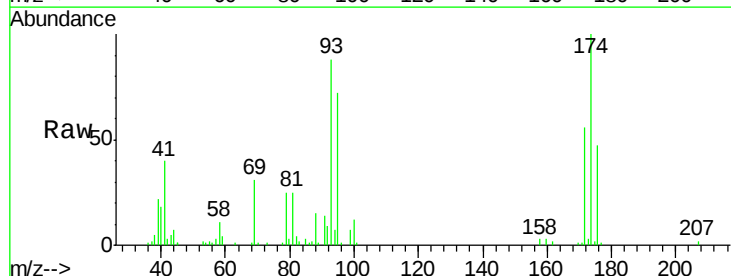
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

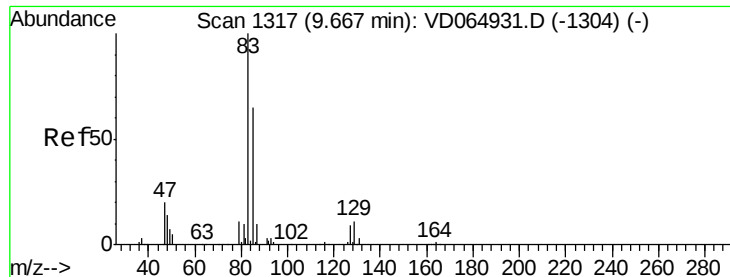
Tgt Ion: 63 Resp: 95375
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.3 36.5



#46
 Dibromomethane
 Concen: 19.32 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion: 93 Resp: 48969
 Ion Ratio Lower Upper
 93 100
 95 80.9 67.5 101.3
 174 110.9 88.4 132.6





#47

Bromodichloromethane

Concen: 20.43 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

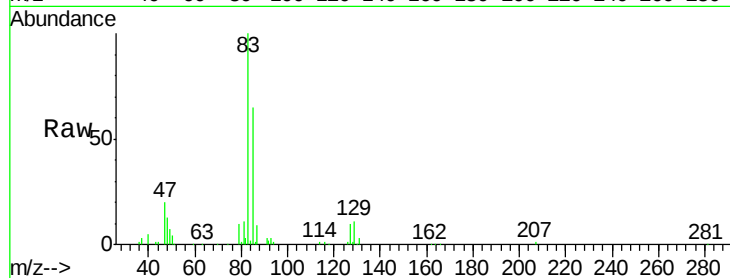
Tgt Ion: 83 Resp: 134762

Ion Ratio Lower Upper

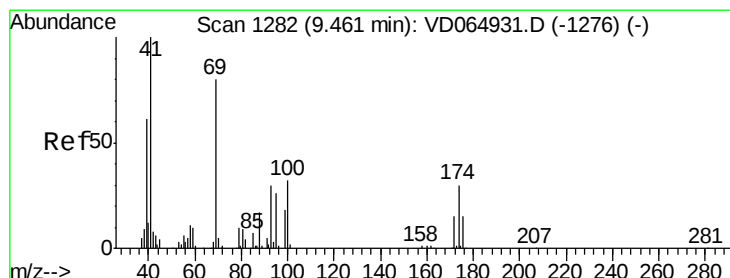
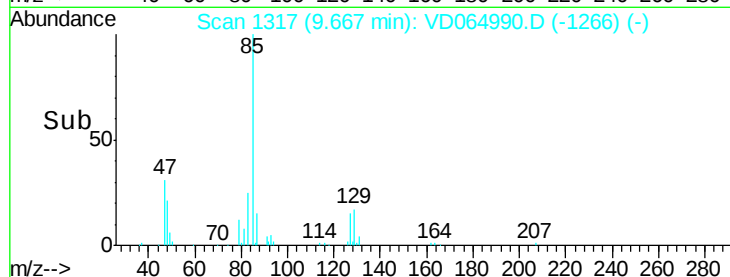
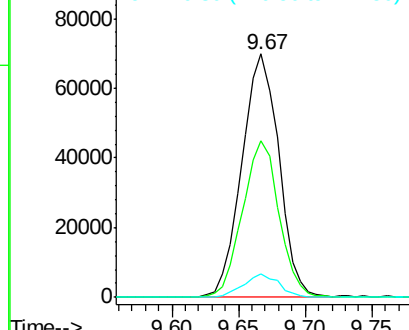
83 100

85 64.5 52.0 78.0

127 9.6 7.3 10.9



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



#48

Methyl methacrylate

Concen: 19.54 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

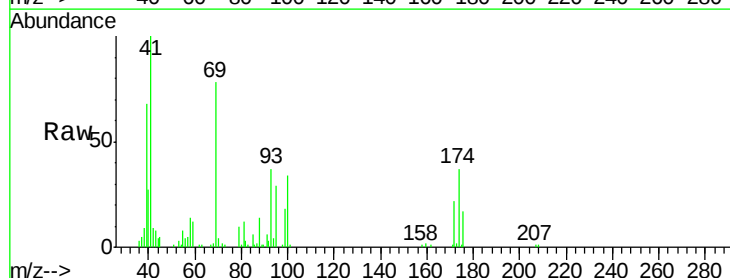
Tgt Ion: 41 Resp: 49068

Ion Ratio Lower Upper

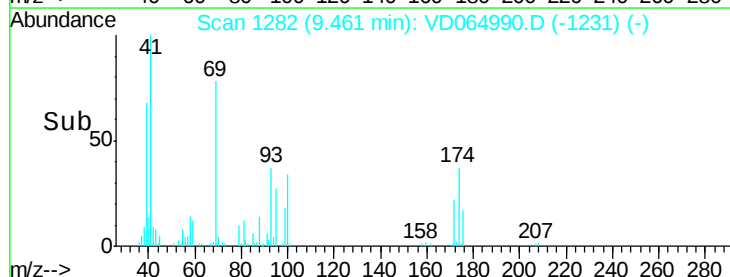
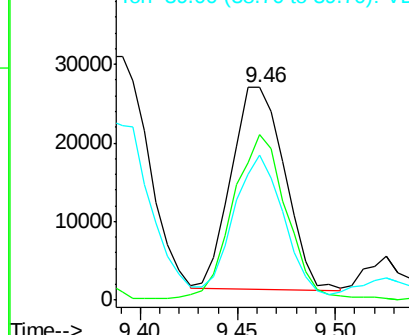
41 100

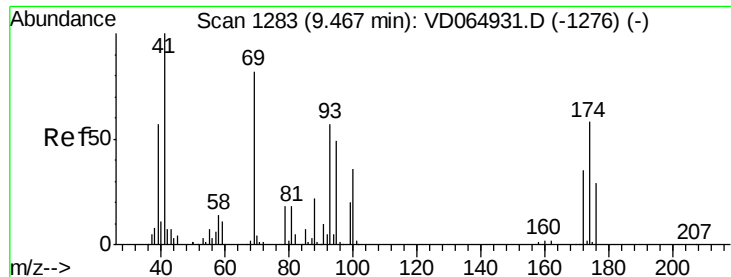
69 82.8 65.8 98.8

39 62.9 49.4 74.0



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

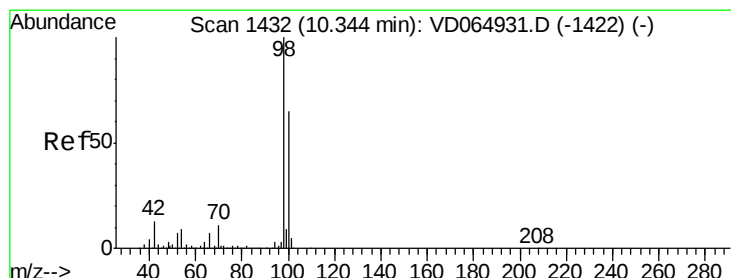
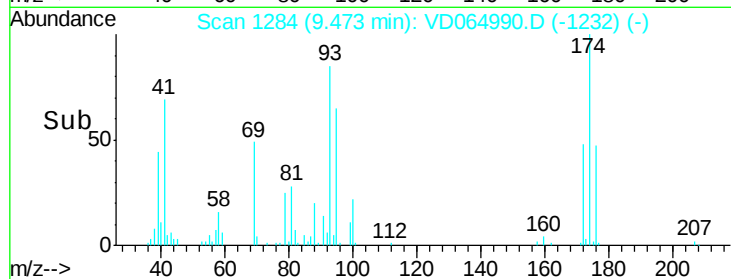
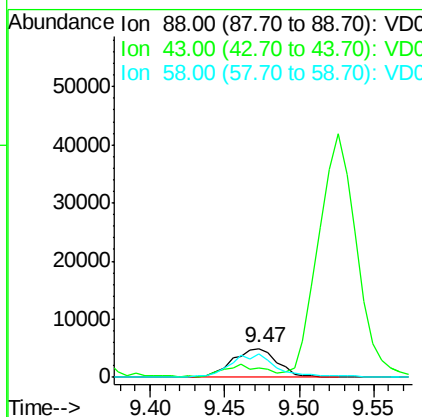
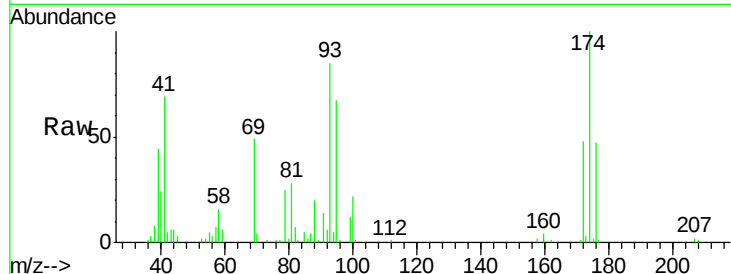




#49
1,4-Dioxane
Concen: 354.16 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

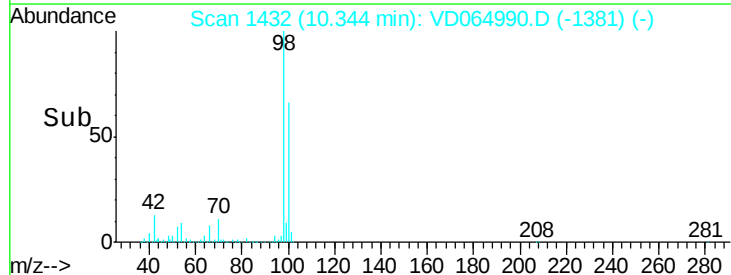
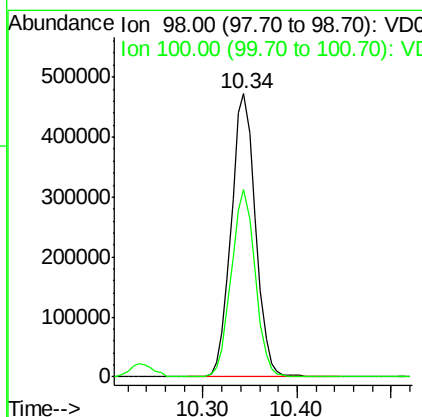
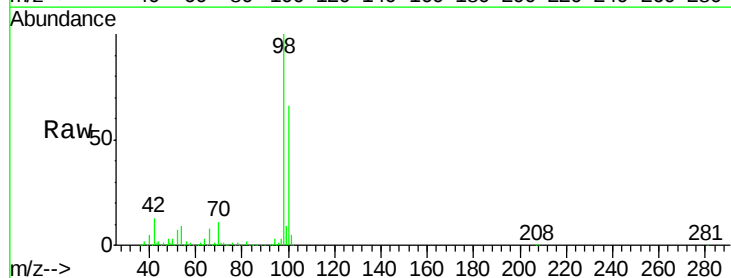
Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

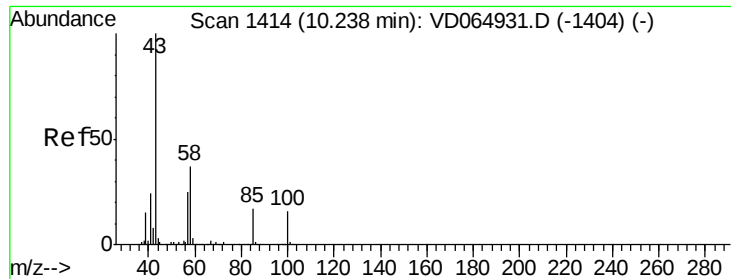
Tgt Ion: 88 Resp: 10413
Ion Ratio Lower Upper
88 100
43 39.5 26.2 39.4#
58 80.6 50.3 75.5#



#50
Toluene-d8
Concen: 48.56 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion: 98 Resp: 849478
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5

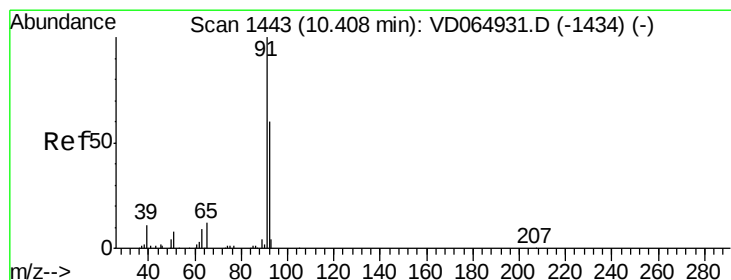
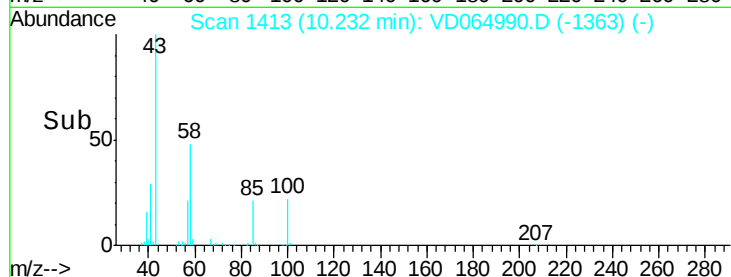
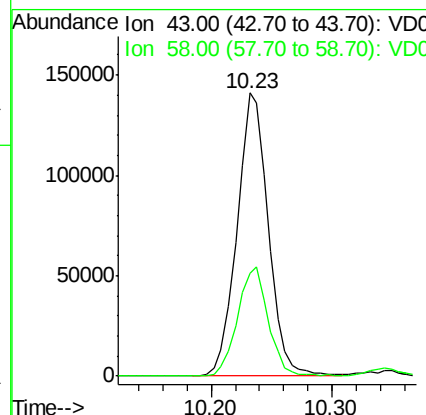
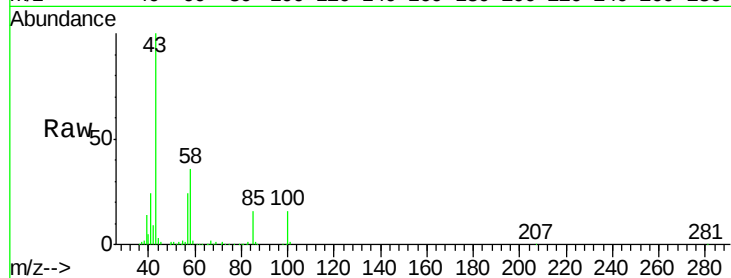




#51
 4-Methyl-2-Pentanone
 Concen: 93.45 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

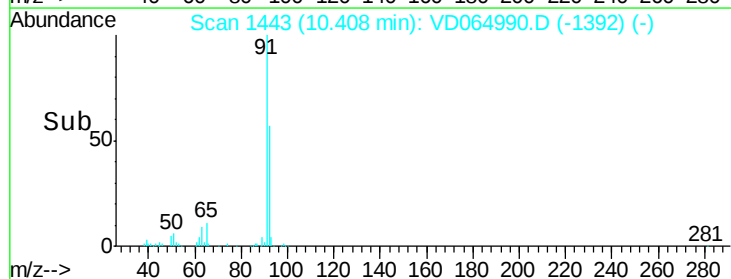
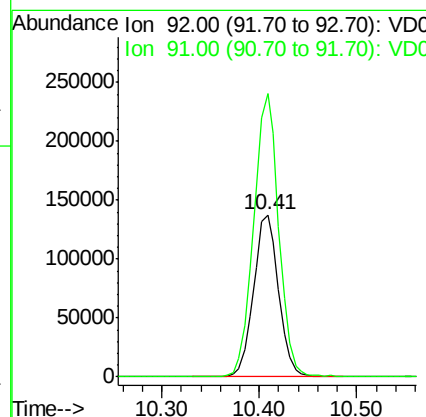
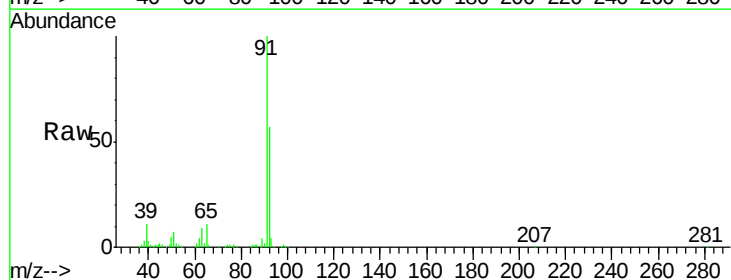
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

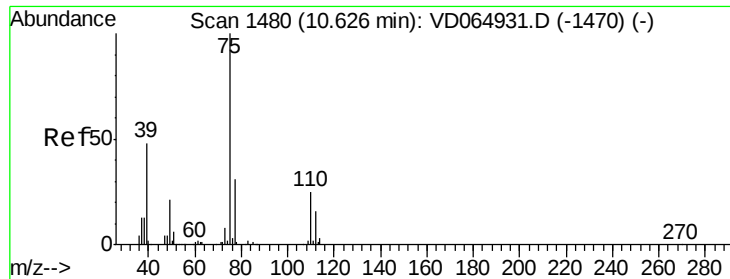
Tgt Ion: 43 Resp: 255152
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.4 45.6



#52
 Toluene
 Concen: 20.11 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion: 92 Resp: 248357
 Ion Ratio Lower Upper
 92 100
 91 174.7 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 19.82 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

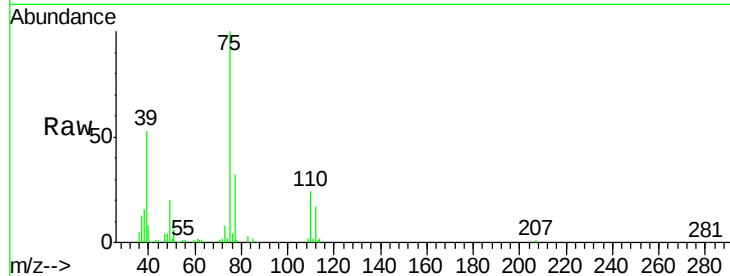
VD0129SBS01

Tgt Ion: 75 Resp: 124536

Ion Ratio Lower Upper

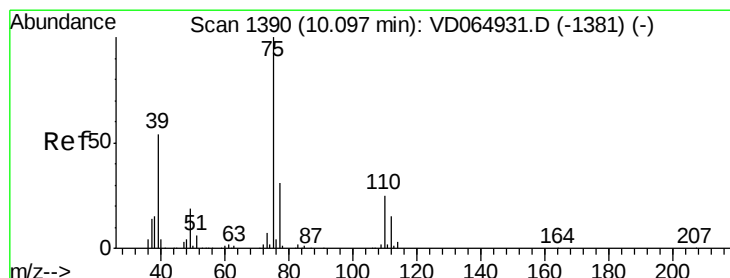
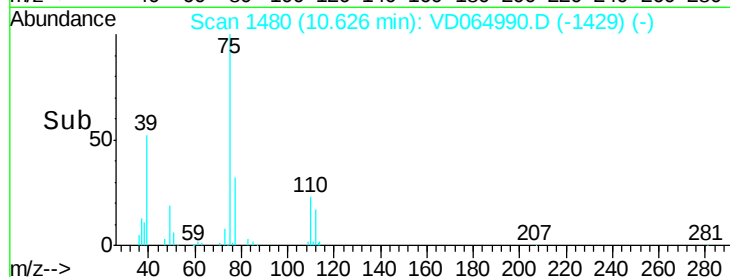
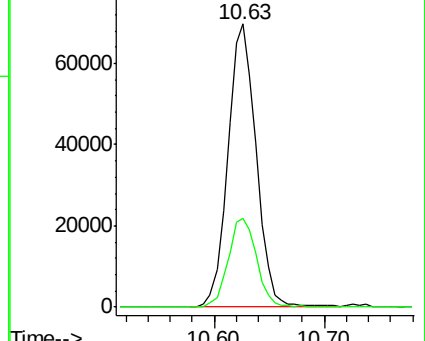
75 100

77 31.6 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.11 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

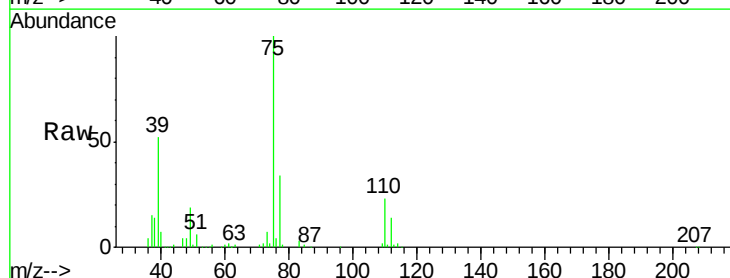
Tgt Ion: 75 Resp: 147977

Ion Ratio Lower Upper

75 100

77 34.0 25.1 37.7

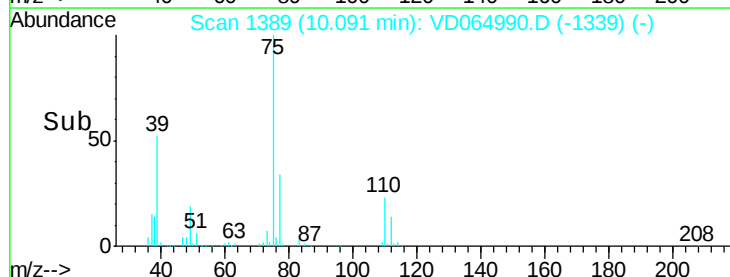
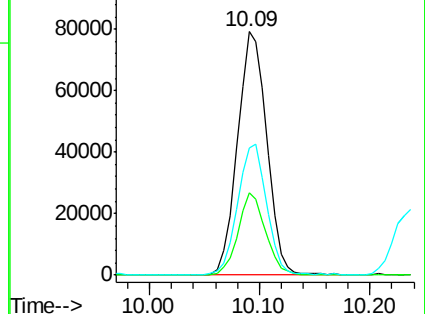
39 52.2 43.0 64.6

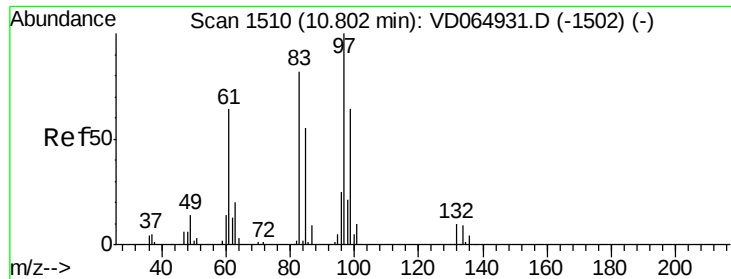


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

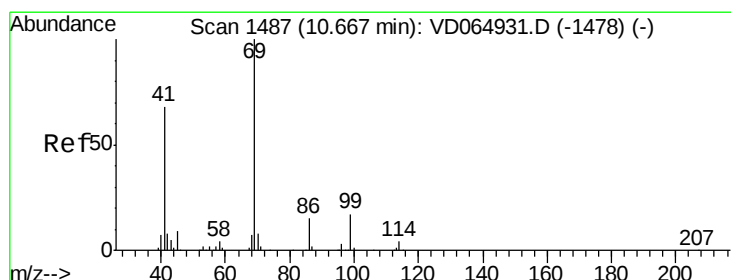
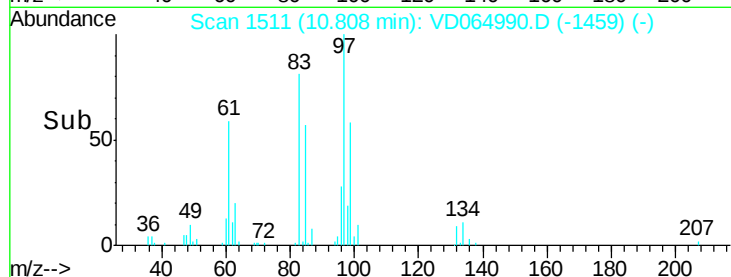
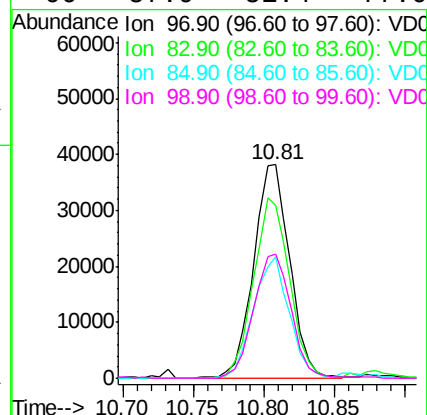
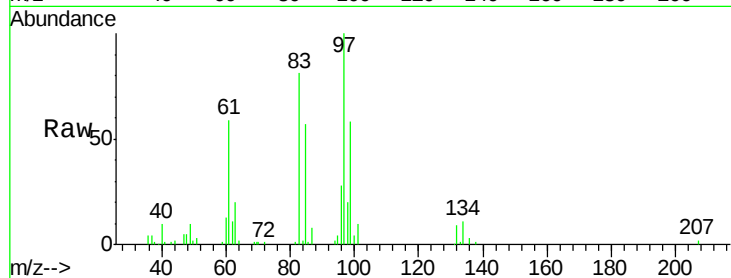




#55
 1,1,2-Trichloroethane
 Concen: 20.18 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

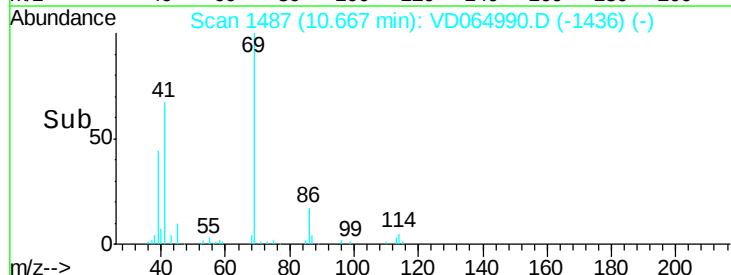
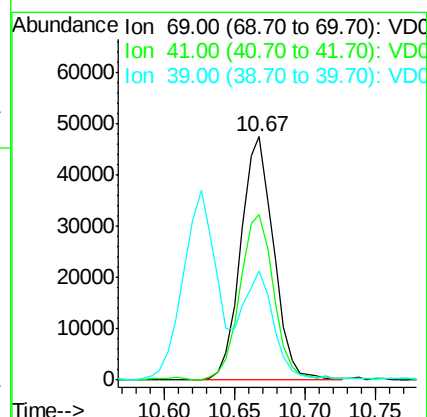
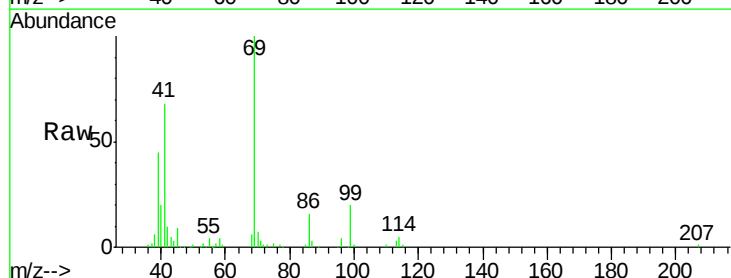
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

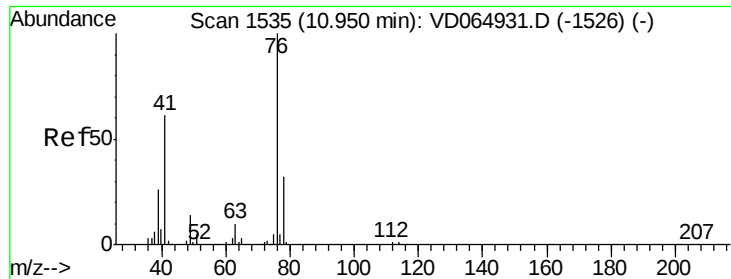
Tgt Ion:	97	Resp:	68924
Ion	Ratio	Lower	Upper
97	100		
83	80.8	66.0	99.0
85	56.8	44.4	66.6
99	57.9	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 18.97 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion:	69	Resp:	77478
Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.4	84.6
39	39.8	30.6	46.0

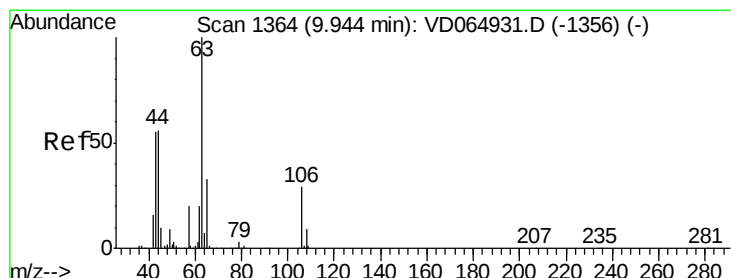
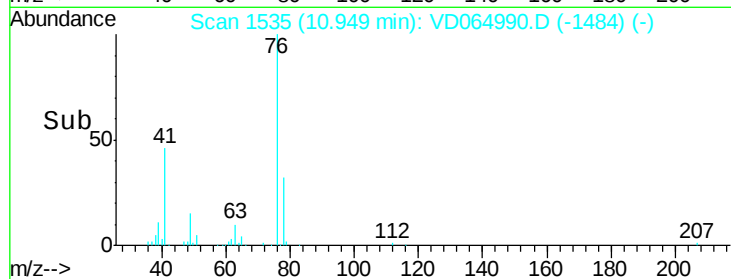
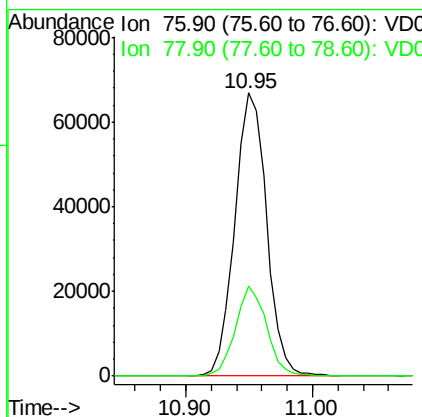
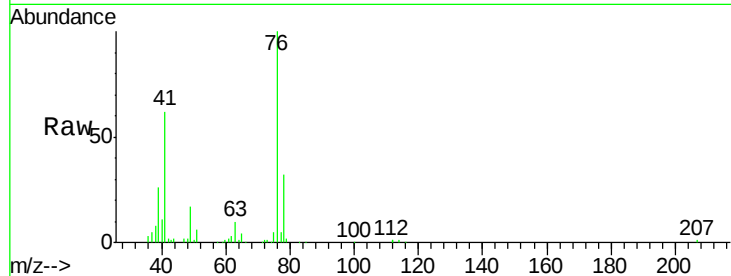




#57
 1,3-Dichloropropane
 Concen: 19.87 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

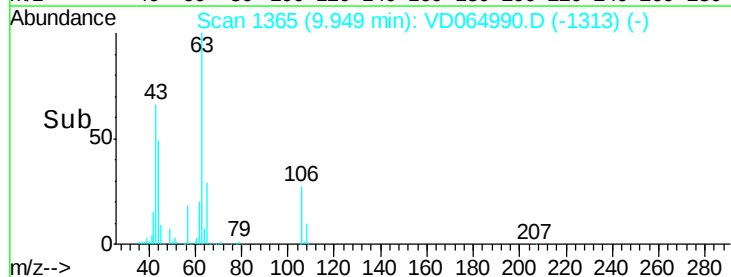
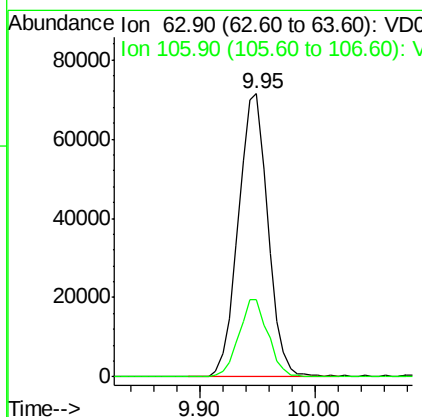
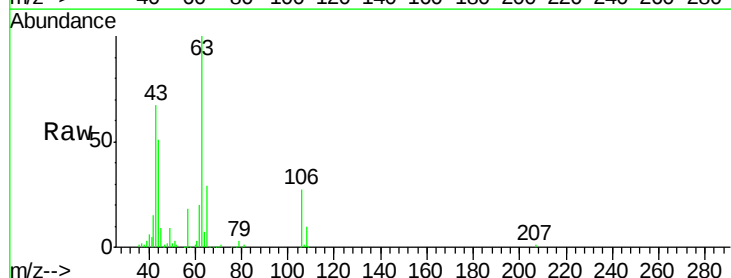
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

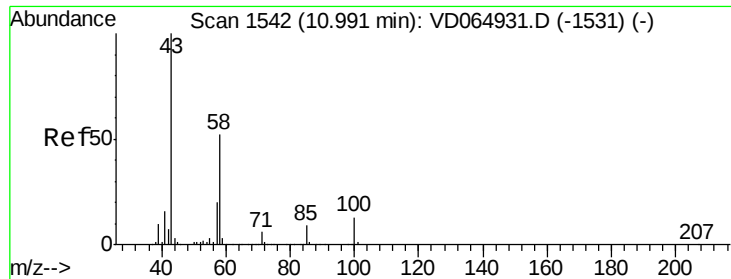
Tgt Ion: 76 Resp: 116350
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.84 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion: 63 Resp: 127302
 Ion Ratio Lower Upper
 63 100
 106 26.9 23.0 34.4

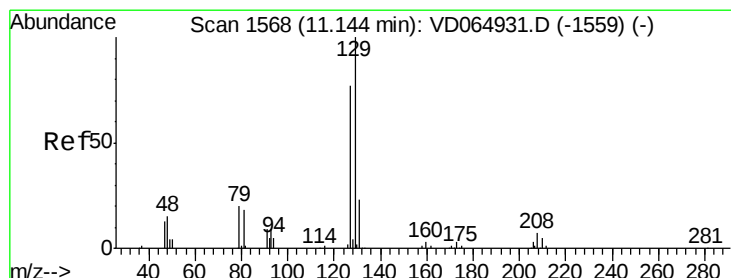
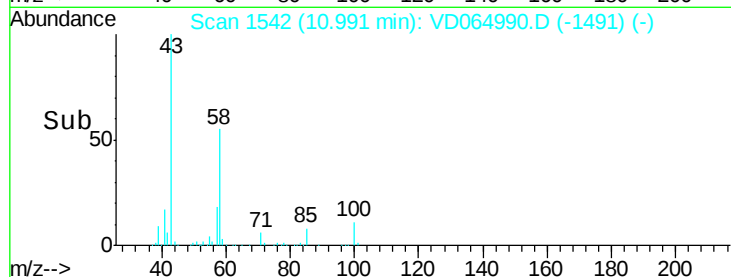
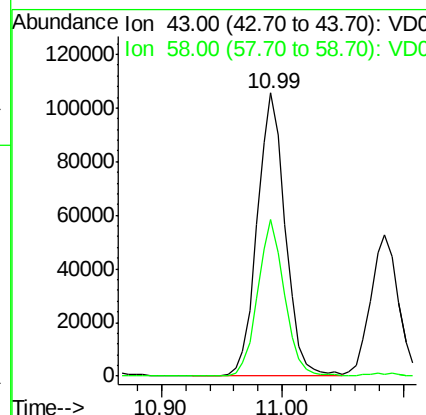
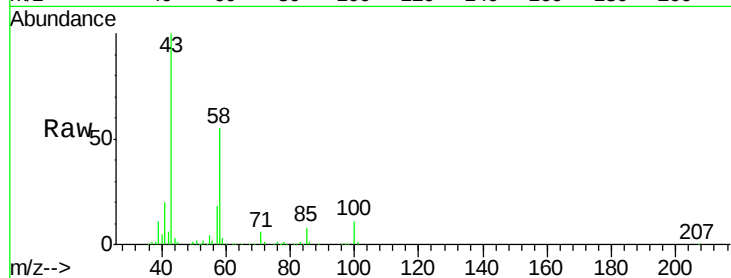




#59
2-Hexanone
Concen: 91.36 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

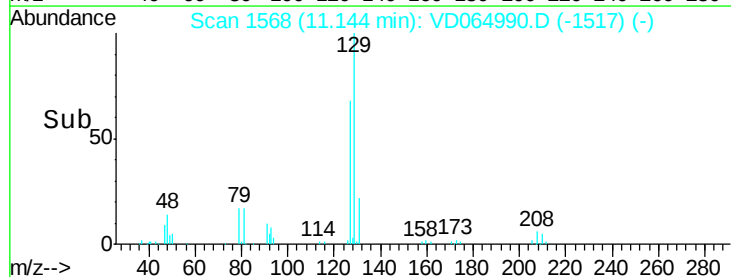
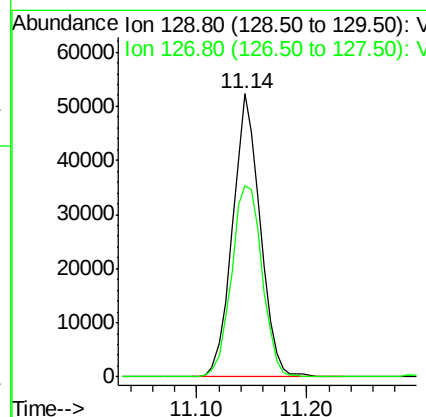
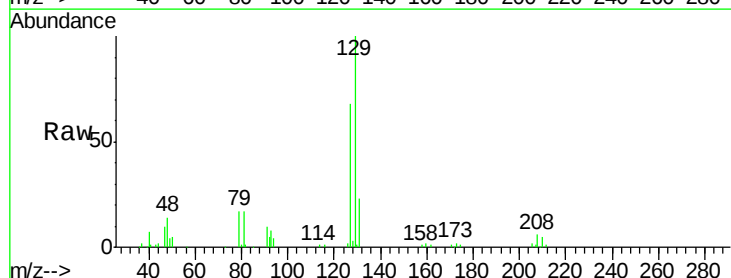
Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

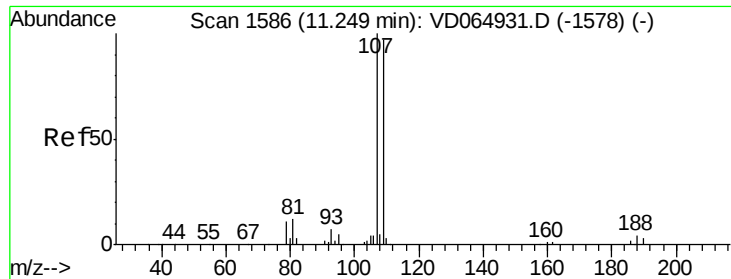
Tgt Ion: 43 Resp: 172057
Ion Ratio Lower Upper
43 100
58 52.7 26.5 79.4



#60
Dibromochloromethane
Concen: 20.11 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion: 129 Resp: 91793
Ion Ratio Lower Upper
129 100
127 74.5 38.2 114.6

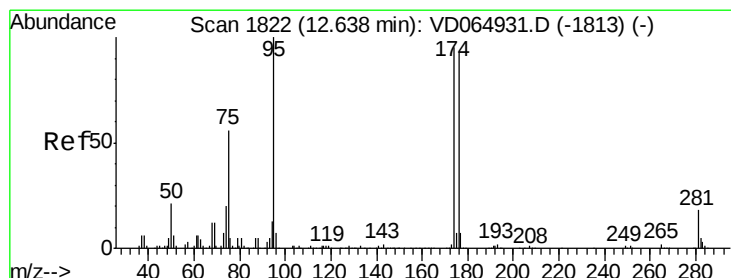
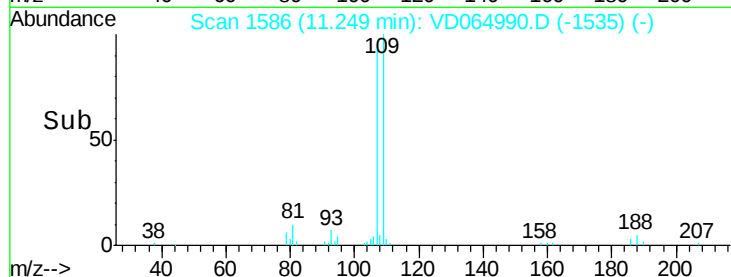
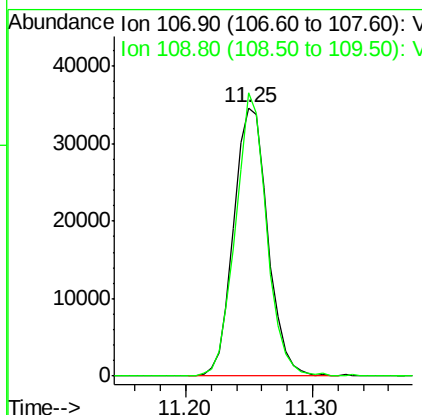
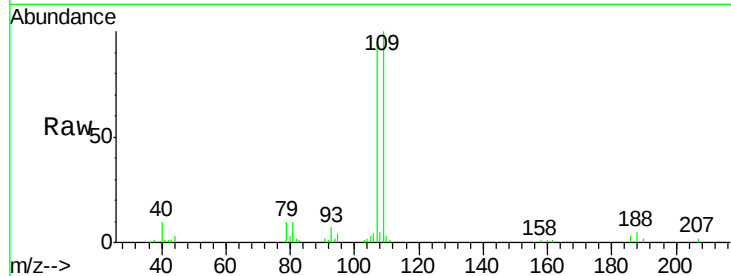




#61
 1,2-Dibromoethane
 Concen: 19.66 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

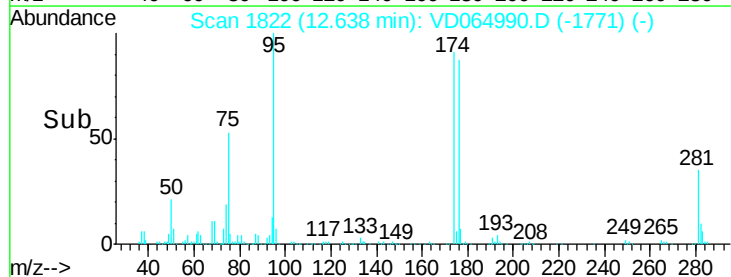
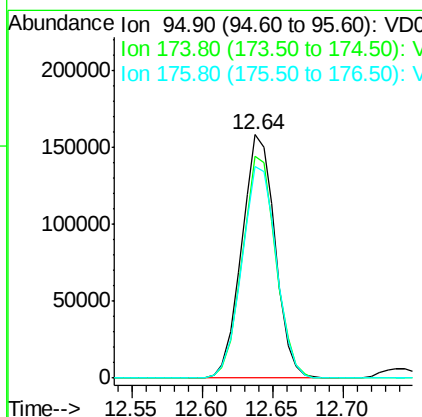
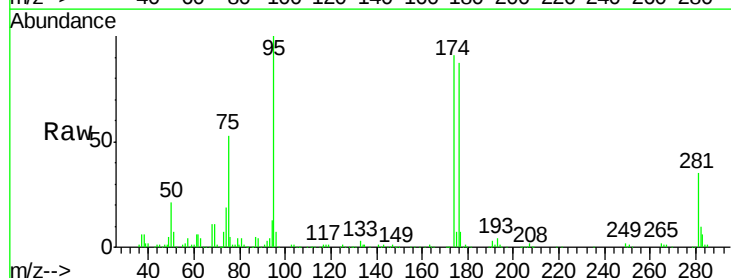
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tgt Ion: 107 Resp: 64649
 Ion Ratio Lower Upper
 107 100
 109 96.1 77.1 115.7



#62
 4-Bromofluorobenzene
 Concen: 49.10 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion: 95 Resp: 262842
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 186.8
 176 89.5 0.0 183.4

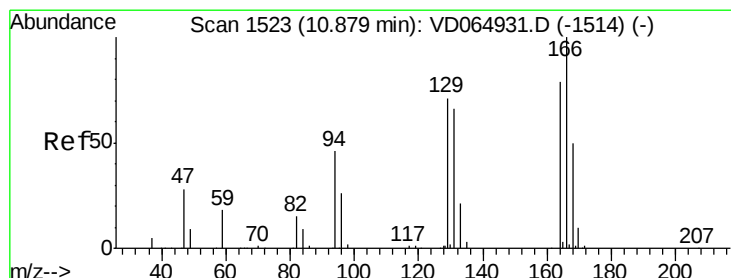
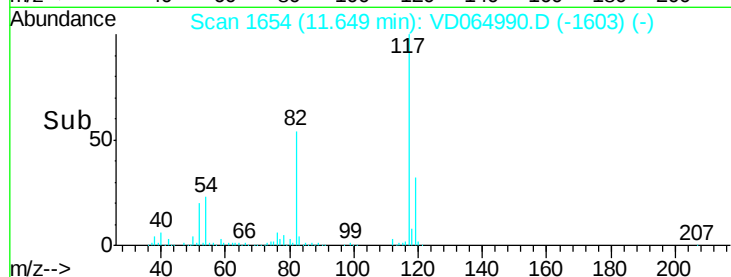
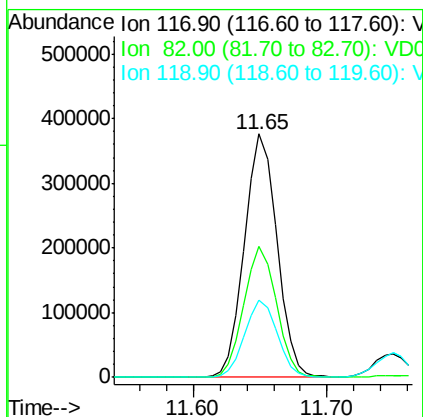
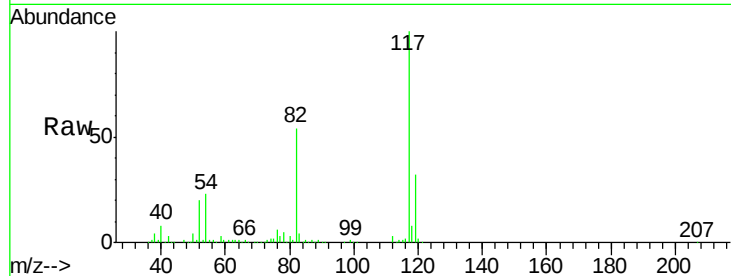




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

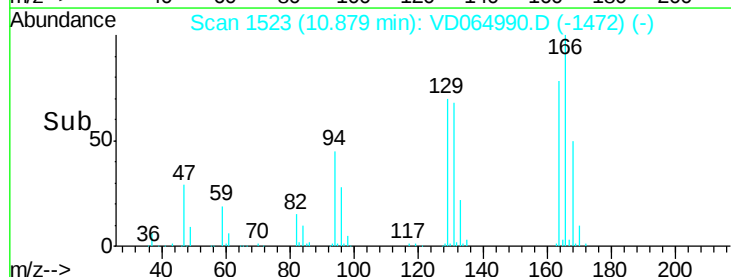
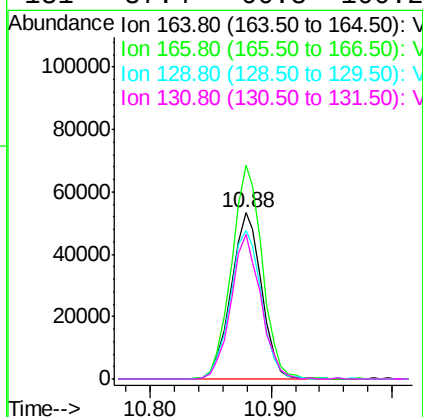
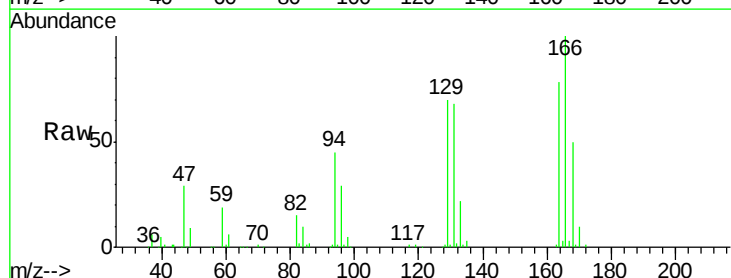
Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

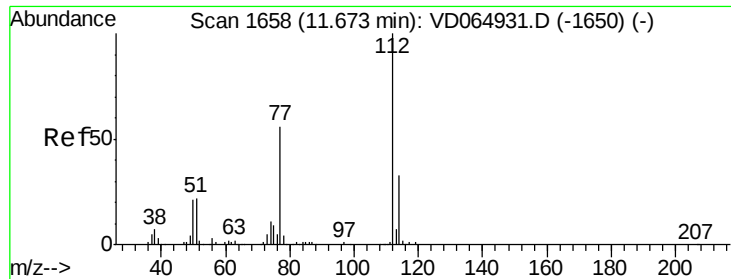
Tgt Ion:117 Resp: 636228
Ion Ratio Lower Upper
117 100
82 53.6 43.6 65.4
119 31.5 25.2 37.8



#64
Tetrachloroethene
Concen: 20.39 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion:164 Resp: 93728
Ion Ratio Lower Upper
164 100
166 128.6 101.4 152.2
129 89.7 71.8 107.8
131 87.4 66.8 100.2

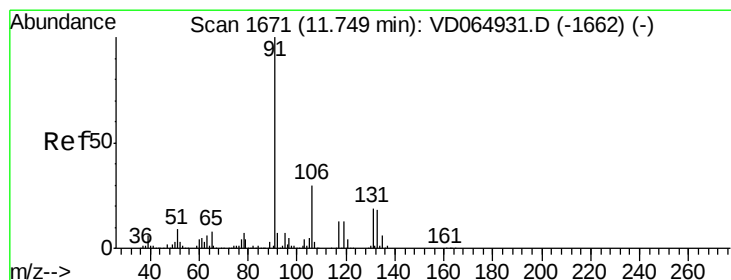
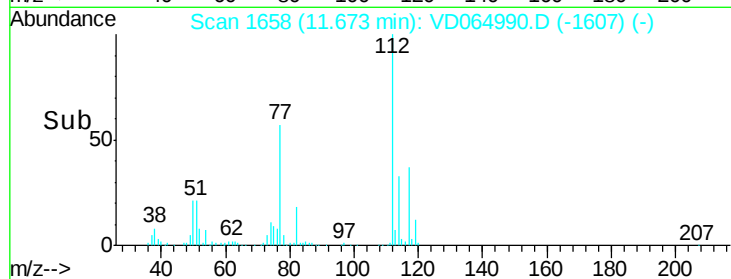
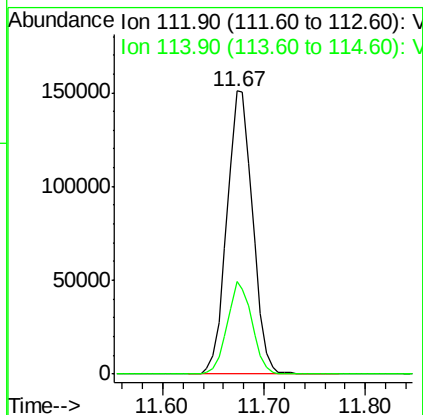
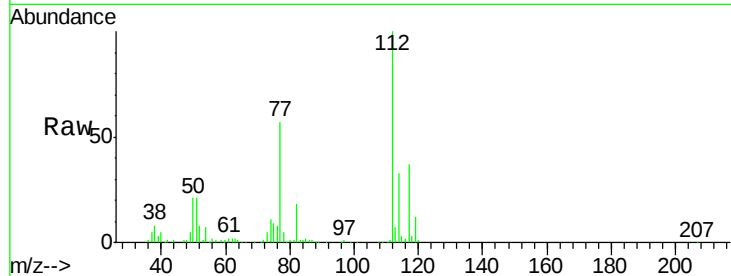




#65
Chlorobenzene
Concen: 20.61 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

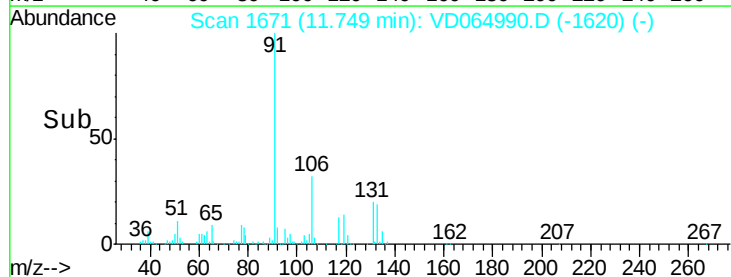
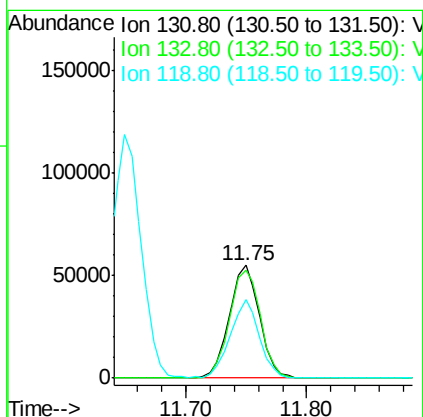
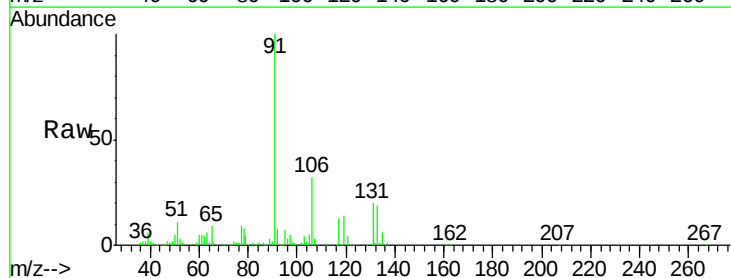
Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

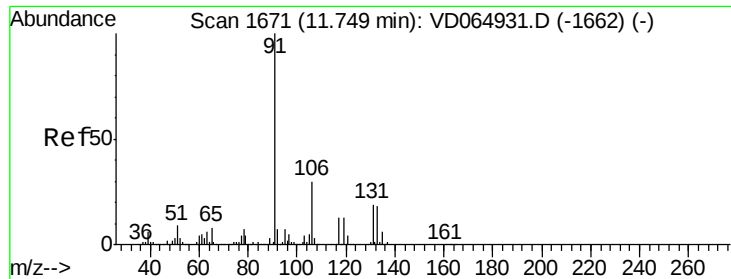
Tgt Ion:112 Resp: 266188
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.76 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion:131 Resp: 96002
Ion Ratio Lower Upper
131 100
133 98.2 47.5 142.5
119 66.7 31.1 93.5





#67

Ethyl Benzene

Concen: 20.30 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

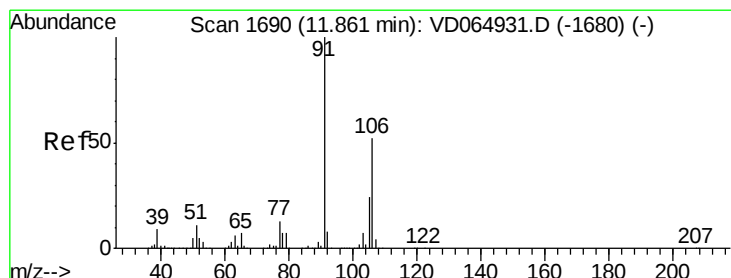
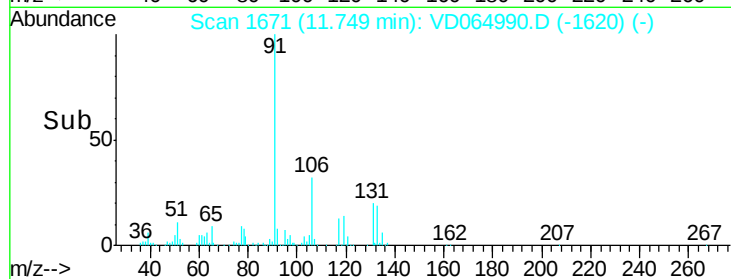
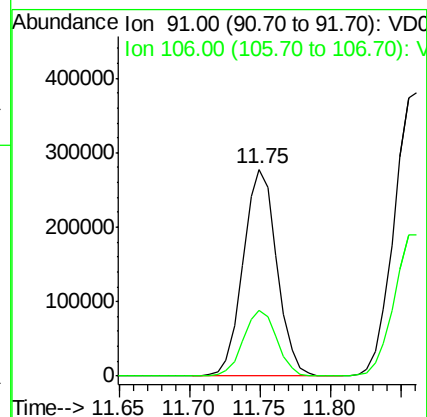
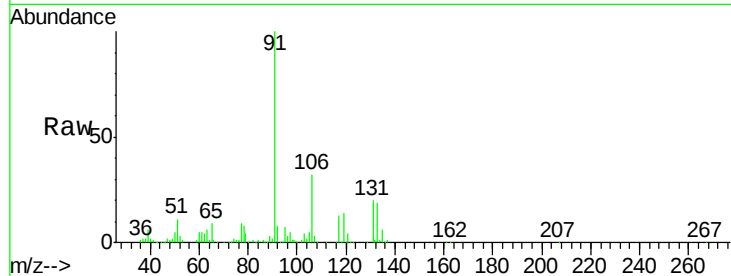
VD0129SBS01

Tgt Ion: 91 Resp: 465661

Ion Ratio Lower Upper

91 100

106 31.9 24.3 36.5



#68

m/p-Xylenes

Concen: 41.13 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD064990.D

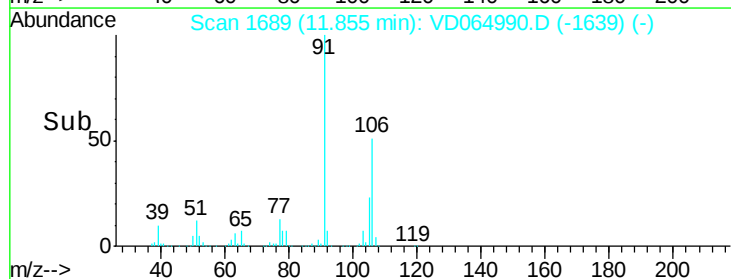
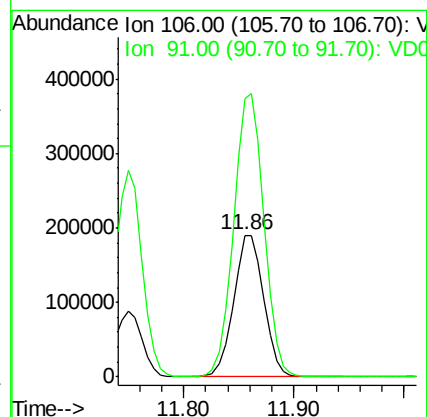
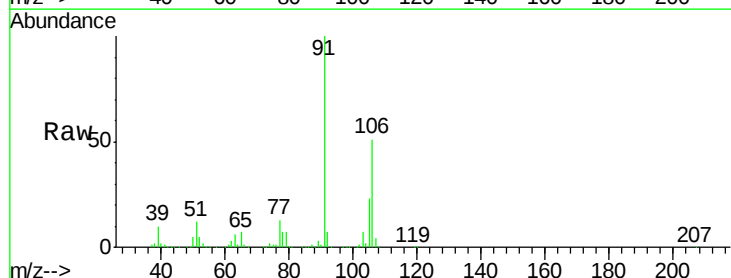
Acq: 29 Jan 2020 12:00

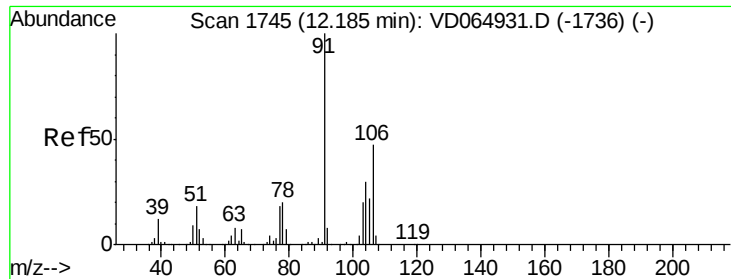
Tgt Ion: 106 Resp: 363130

Ion Ratio Lower Upper

106 100

91 201.0 159.0 238.4

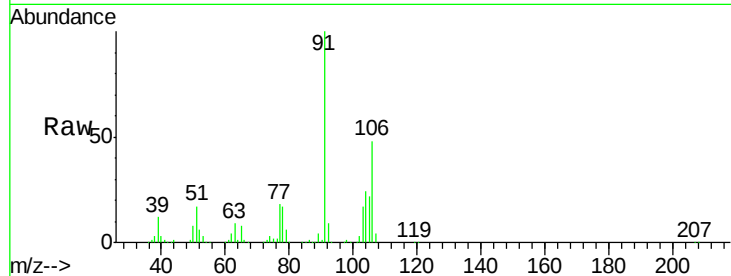




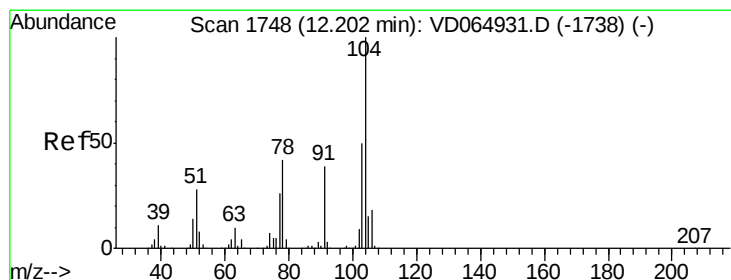
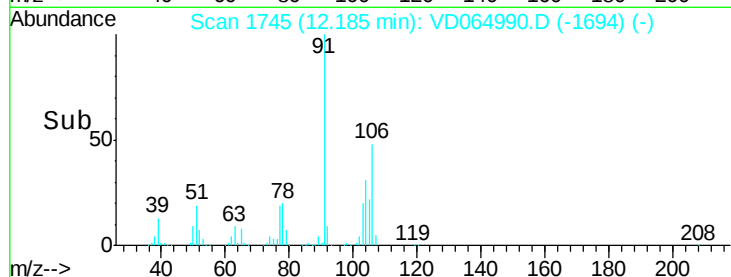
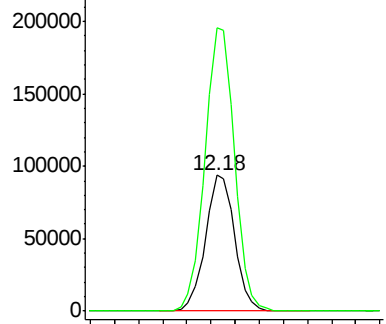
#69
o-Xylene
Concen: 20.21 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tgt Ion:106 Resp: 158402
Ion Ratio Lower Upper
106 100
91 210.6 106.7 319.9

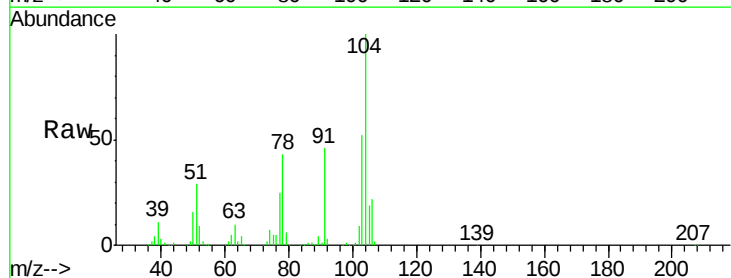


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

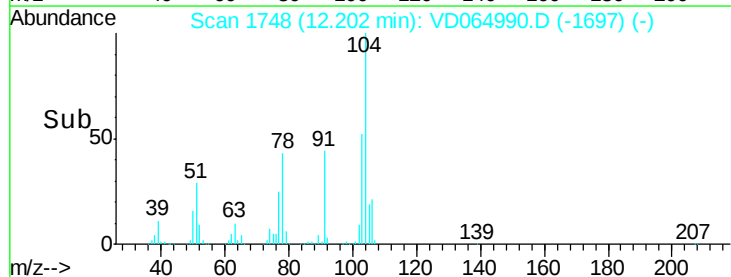
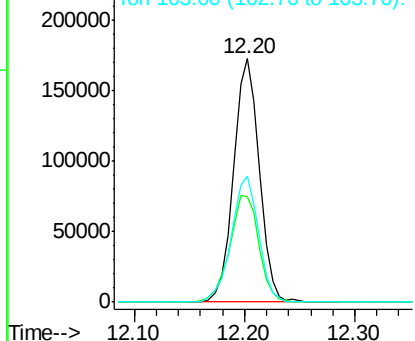


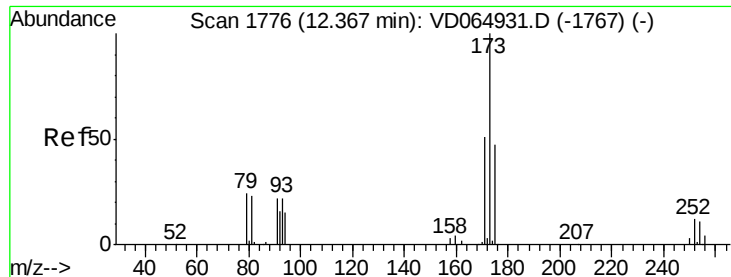
#70
Styrene
Concen: 20.21 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion:104 Resp: 282073
Ion Ratio Lower Upper
104 100
78 49.8 38.3 57.5
103 54.9 43.5 65.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

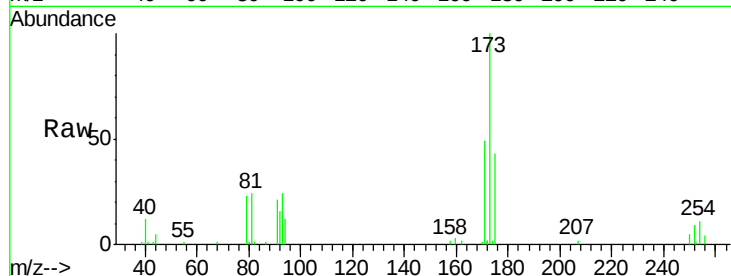




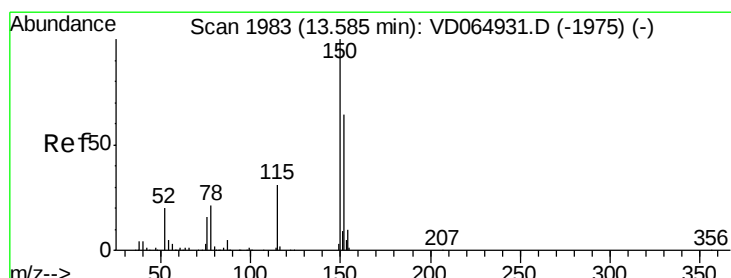
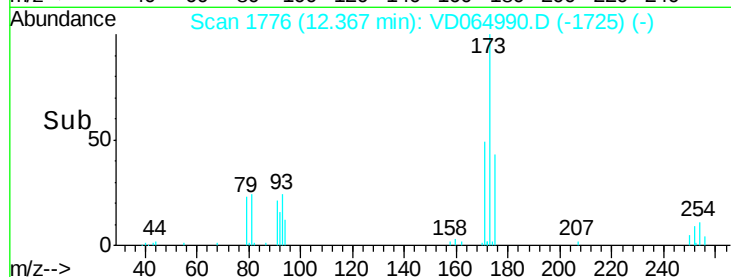
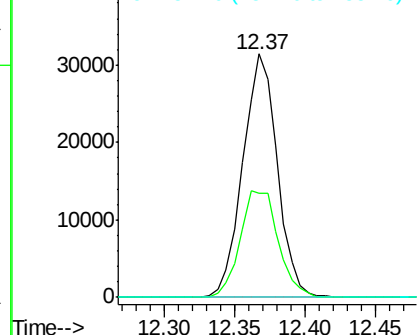
#71
Bromoform
Concen: 19.87 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tgt Ion:173 Resp: 53668
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.8
254 0.0 0.1 0.1#

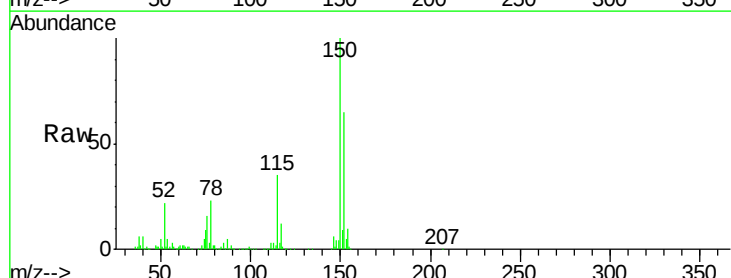


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

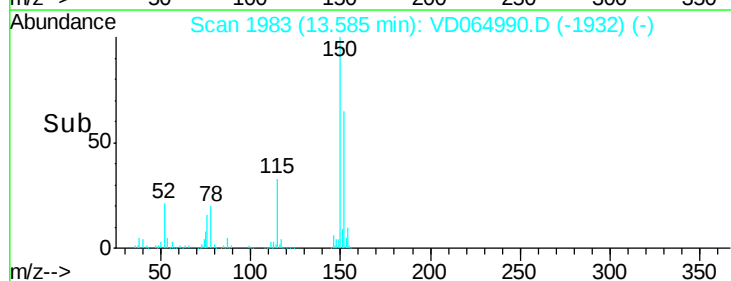
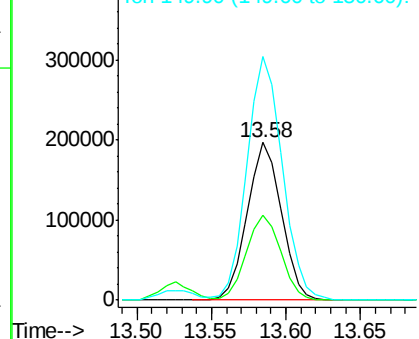


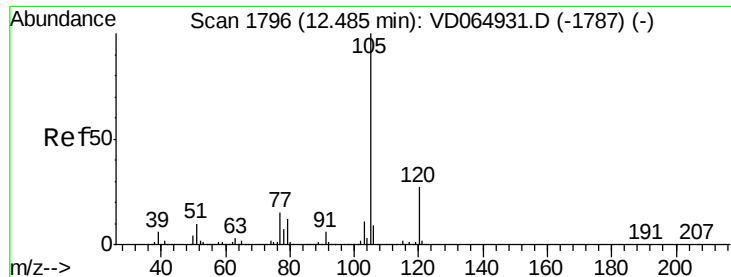
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion:152 Resp: 311347
Ion Ratio Lower Upper
152 100
115 54.6 28.1 84.4
150 160.7 0.0 350.4



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: 20.85 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

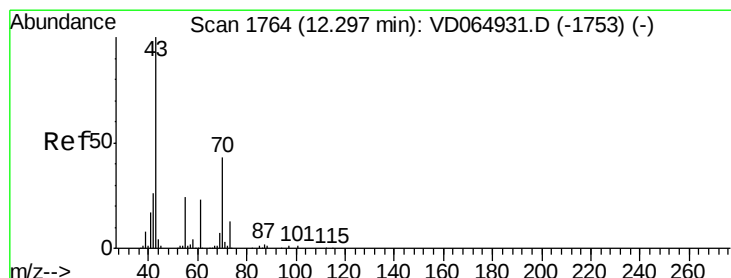
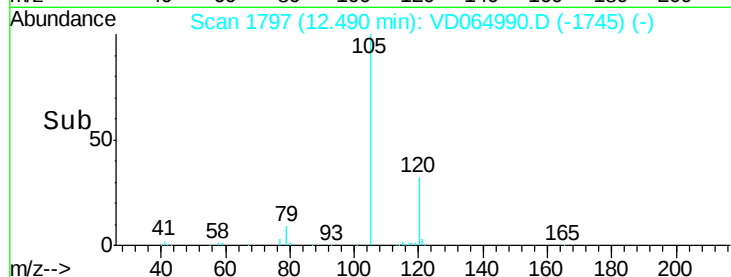
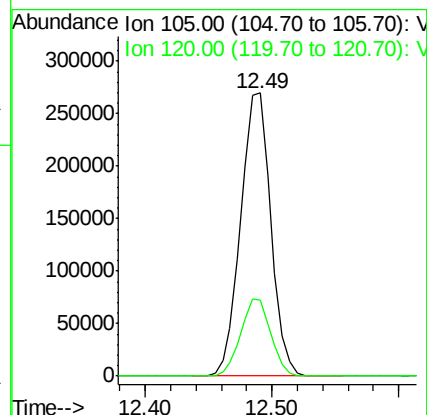
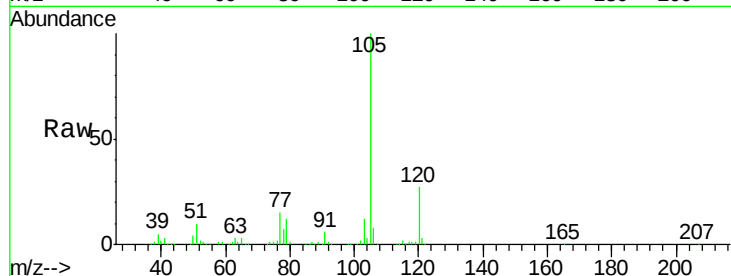
VD0129SBS01

Tgt Ion: 105 Resp: 443699

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.8



#74

N-ethyl acetate

Concen: 18.32 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Tgt Ion: 43 Resp: 87239

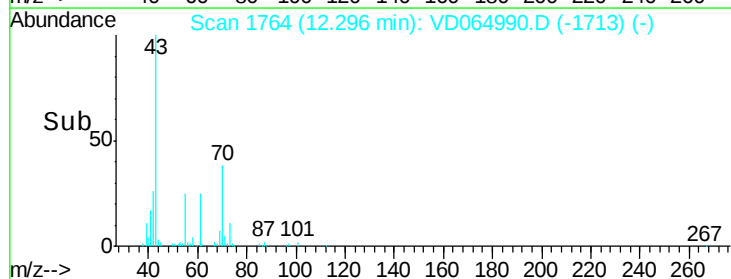
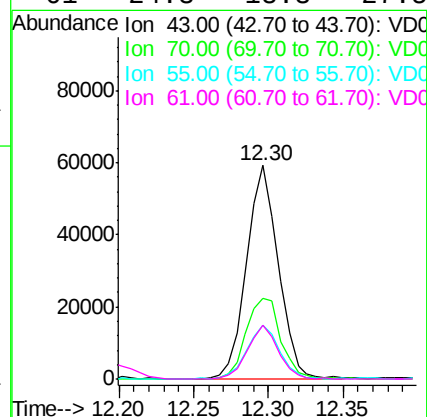
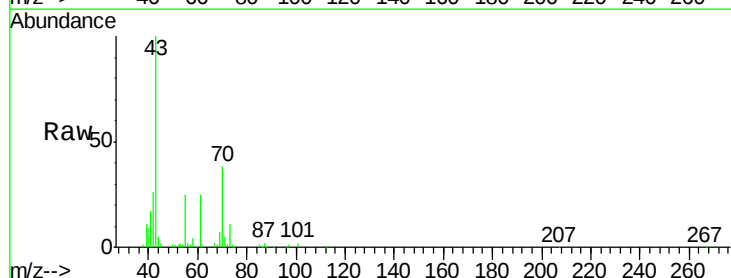
Ion Ratio Lower Upper

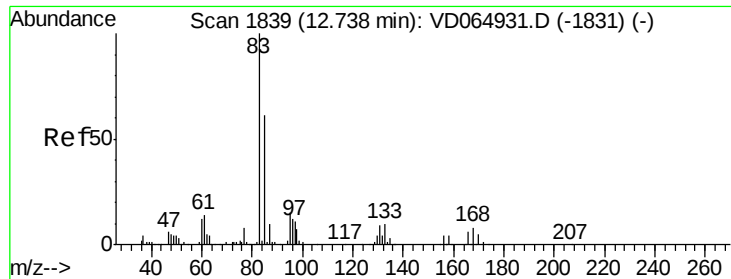
43 100

70 41.6 32.6 49.0

55 25.7 19.9 29.9

61 24.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.61 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

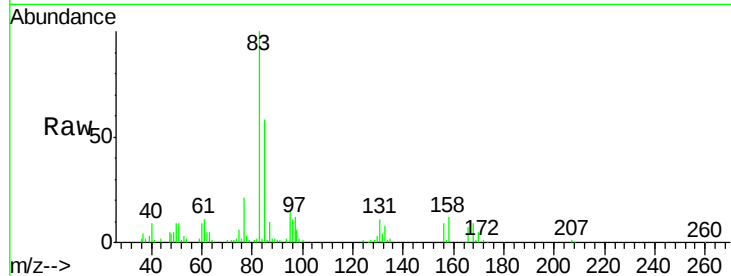
Tgt Ion: 83 Resp: 70149

Ion Ratio Lower Upper

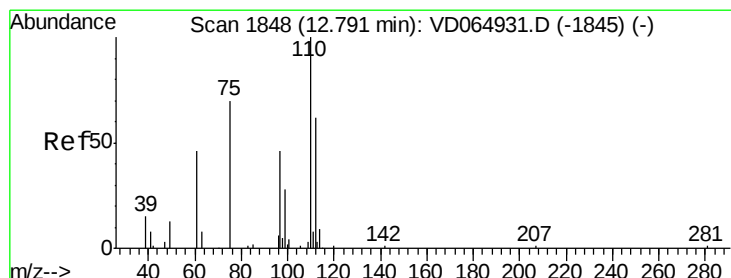
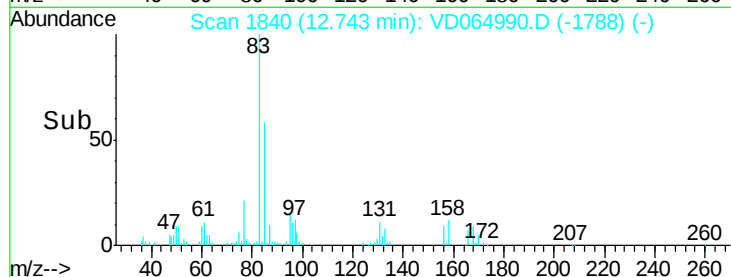
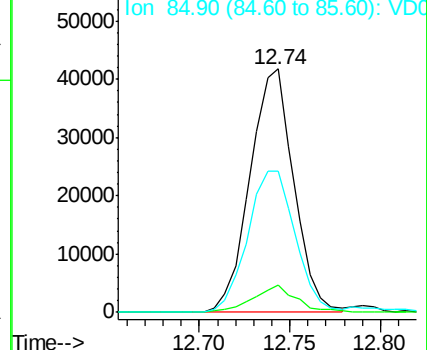
83 100

131 10.9 5.5 16.4

85 62.9 31.6 94.7



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: 36.72 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064990.D

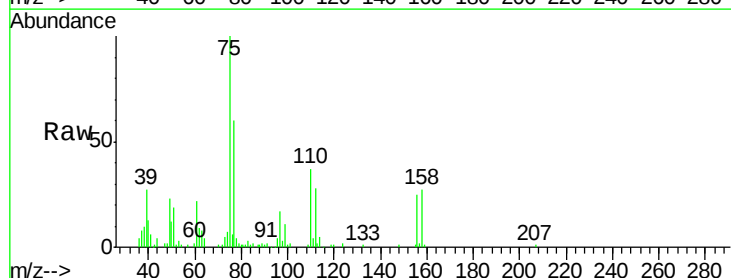
Acq: 29 Jan 2020 12:00

Tgt Ion: 75 Resp: 94888

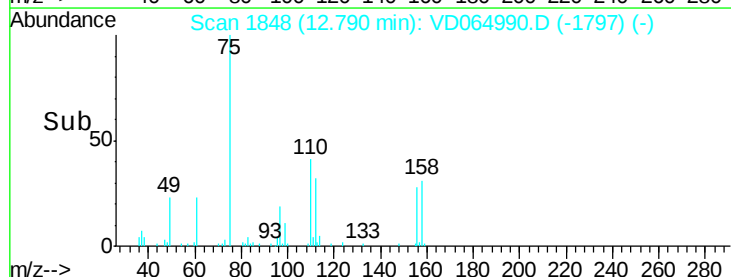
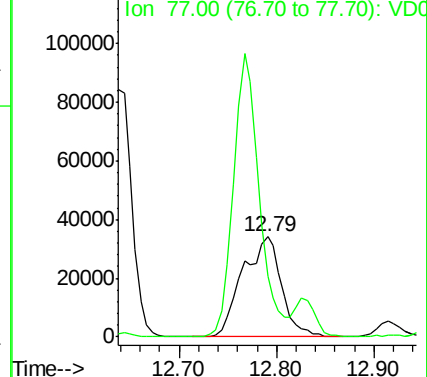
Ion Ratio Lower Upper

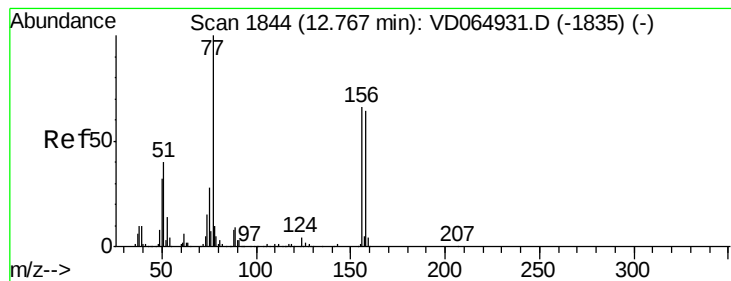
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 20.49 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

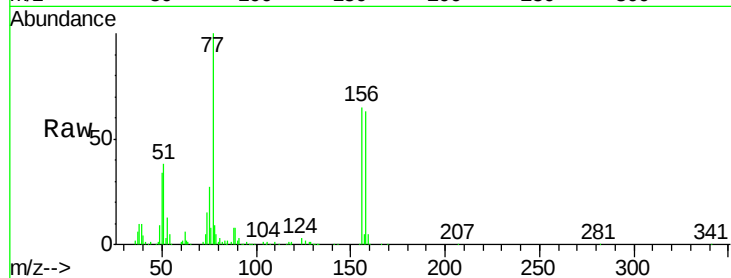
Tgt Ion:156 Resp: 106708

Ion Ratio Lower Upper

156 100

77 167.8 84.2 252.5

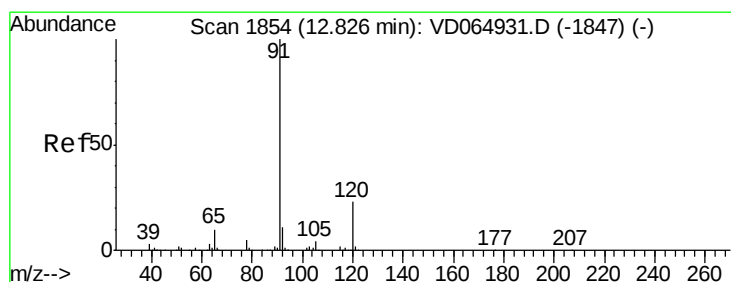
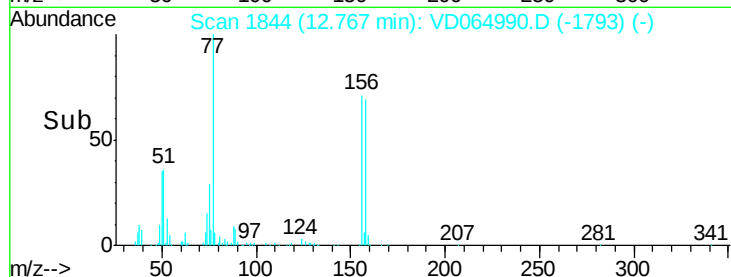
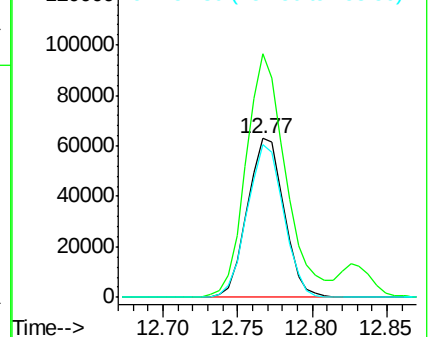
158 95.7 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.08 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064990.D

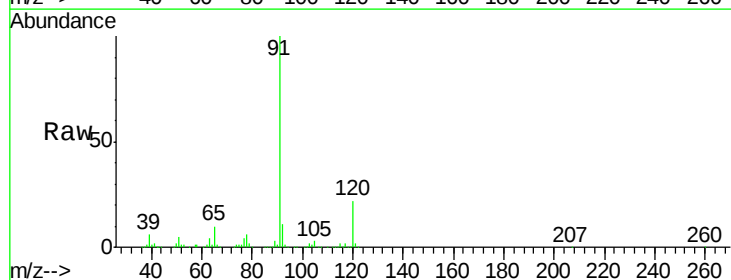
Acq: 29 Jan 2020 12:00

Tgt Ion: 91 Resp: 533445

Ion Ratio Lower Upper

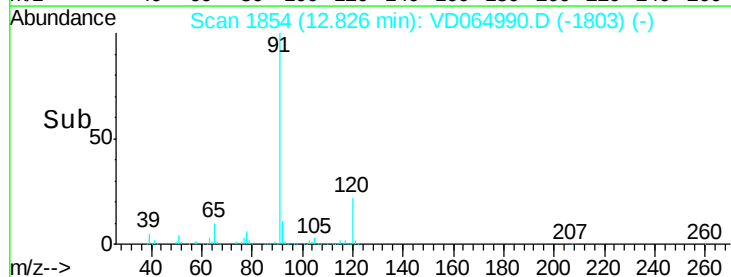
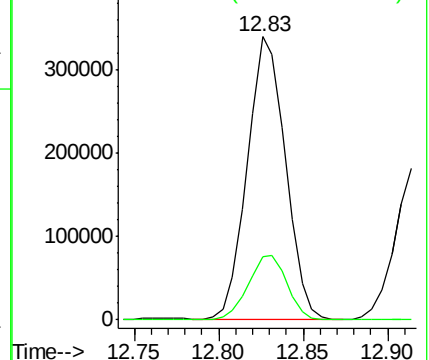
91 100

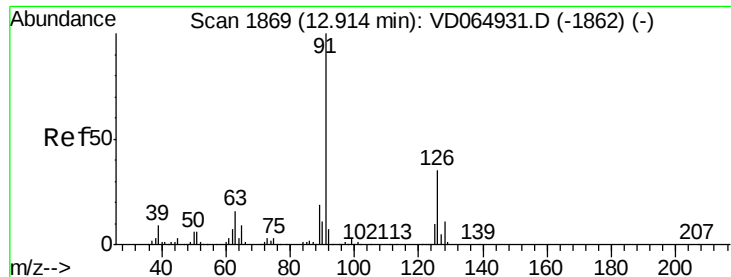
120 23.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.19 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

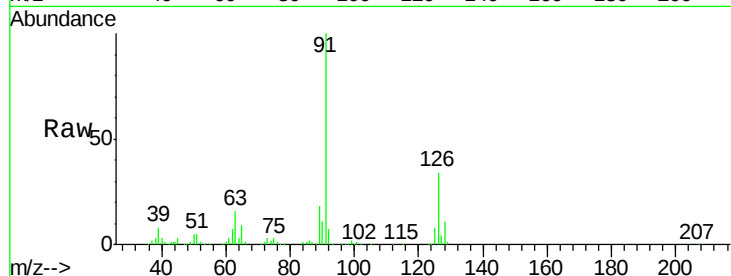
VD0129SBS01

Tgt Ion: 91 Resp: 294146

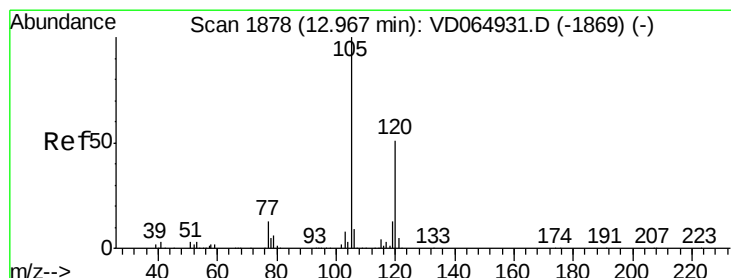
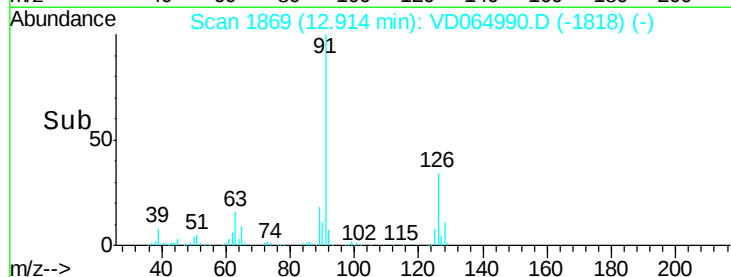
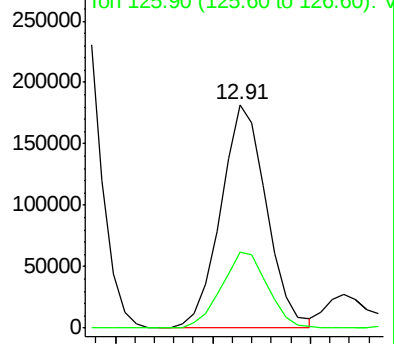
Ion Ratio Lower Upper

91 100

126 34.6 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VD064990.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.12 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064990.D

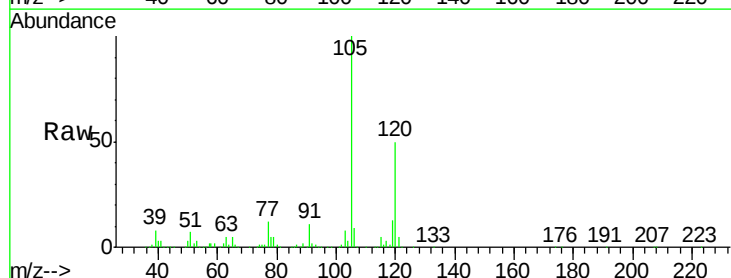
Acq: 29 Jan 2020 12:00

Tgt Ion: 105 Resp: 368303

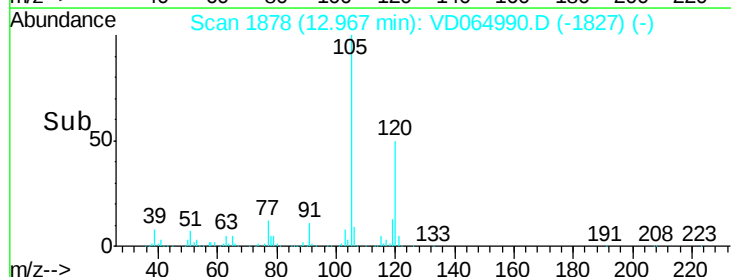
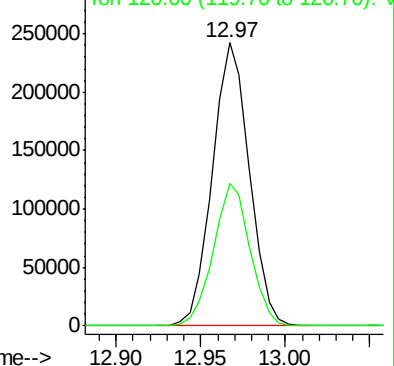
Ion Ratio Lower Upper

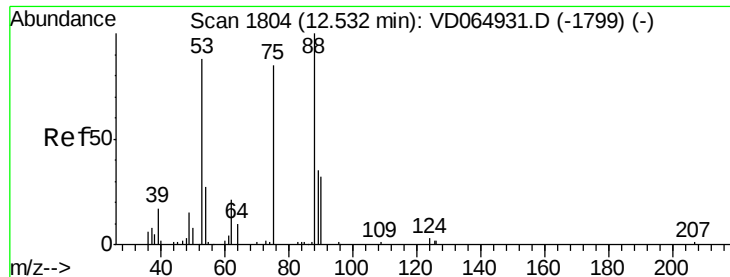
105 100

120 50.0 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064990.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.18 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

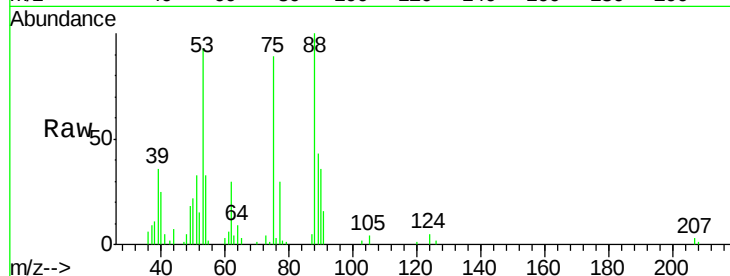
Tgt Ion: 75 Resp: 22003

Ion Ratio Lower Upper

75 100

53 103.2 81.0 121.4

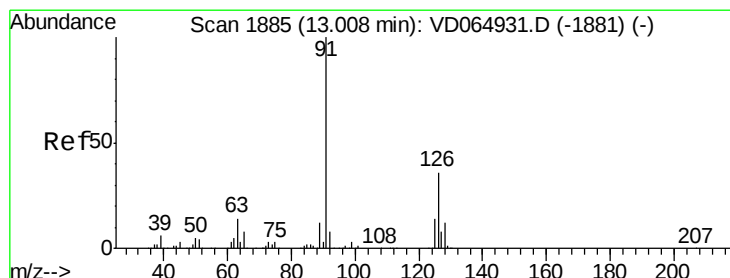
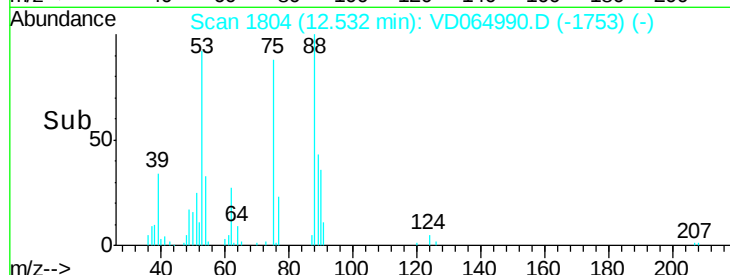
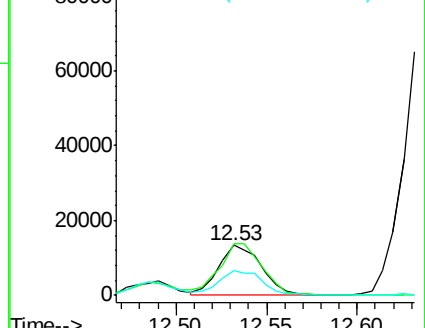
89 50.4 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.20 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064990.D

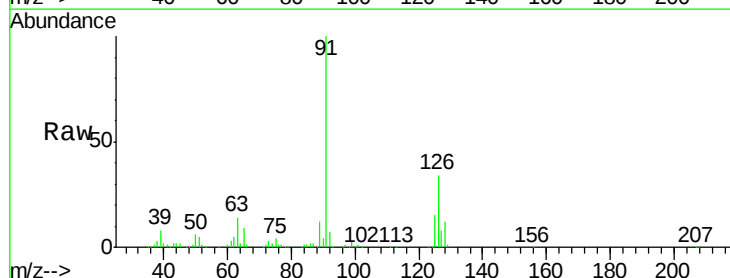
Acq: 29 Jan 2020 12:00

Tgt Ion: 91 Resp: 312154

Ion Ratio Lower Upper

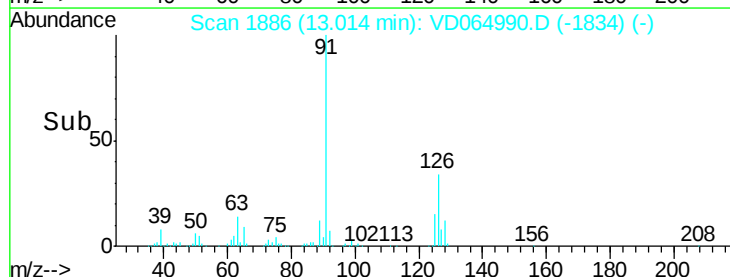
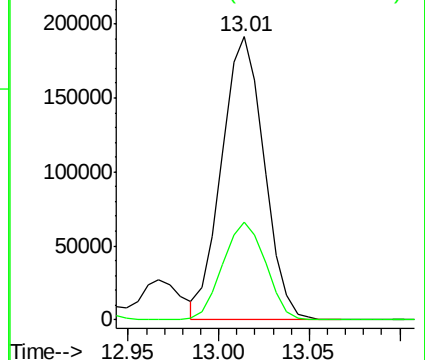
91 100

126 34.9 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

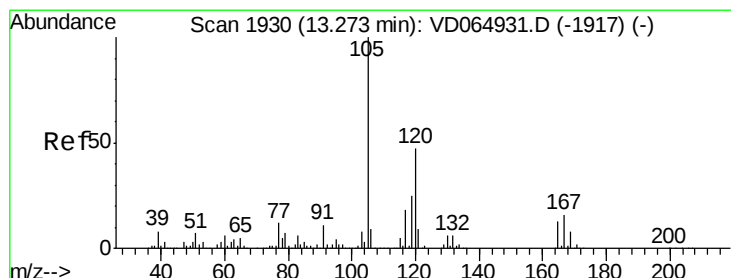
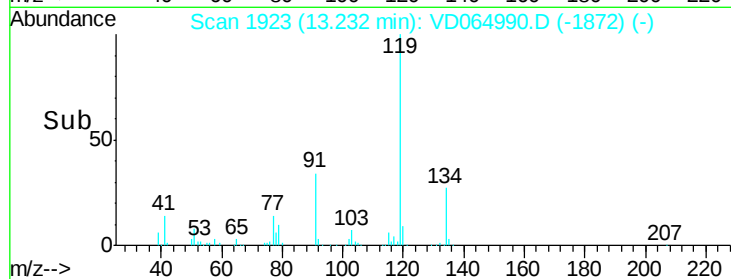
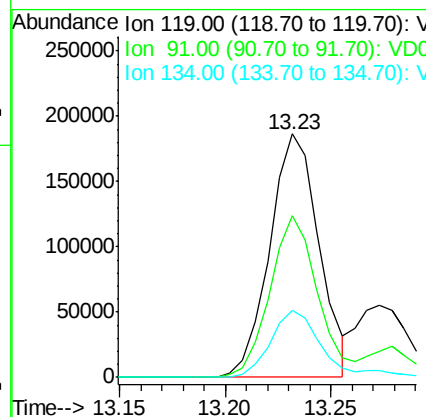
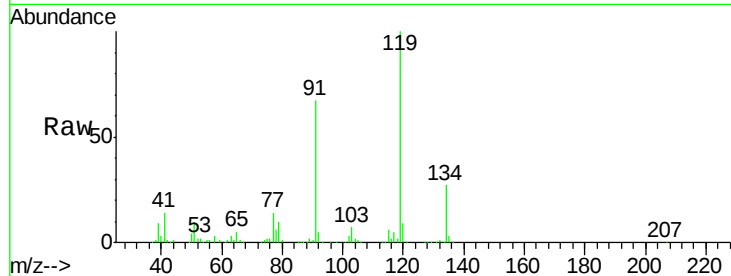




#83
 tert-Butylbenzene
 Concen: 20.50 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

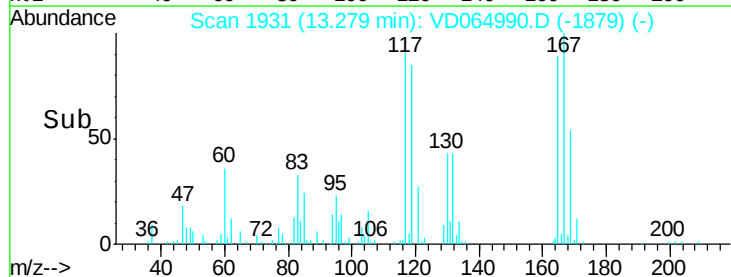
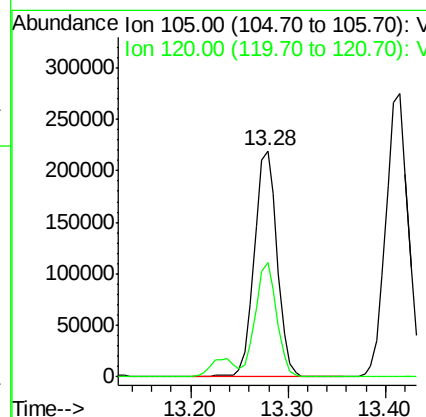
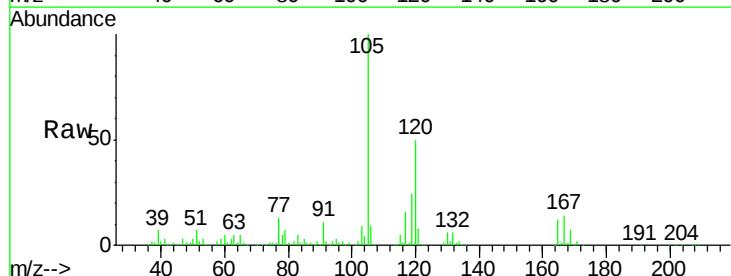
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

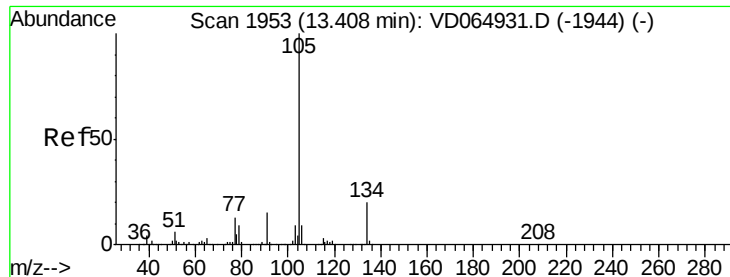
Tgt Ion:119 Resp: 303449
 Ion Ratio Lower Upper
 119 100
 91 64.1 32.0 96.0
 134 28.8 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.43 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion:105 Resp: 360849
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.1 69.3





#85

sec-Butylbenzene

Concen: 20.80 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

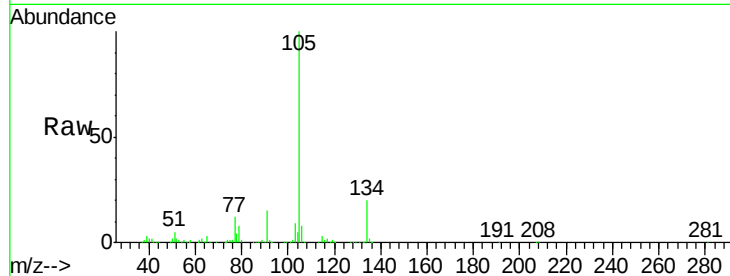
VD0129SBS01

Tgt Ion:105 Resp: 435751

Ion Ratio Lower Upper

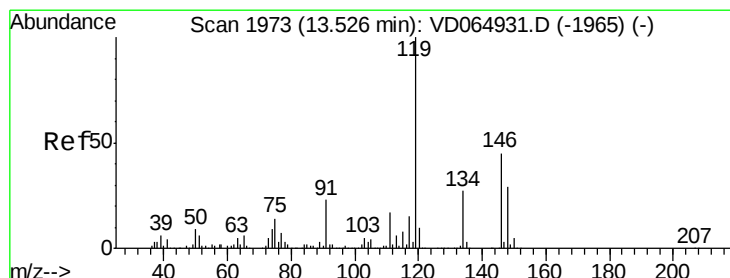
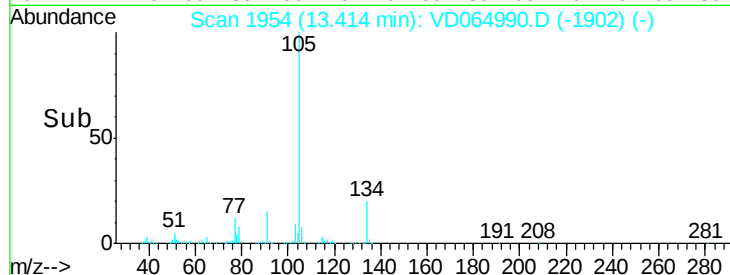
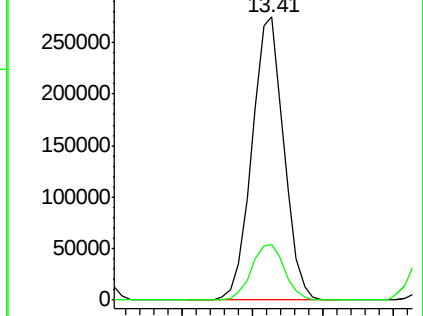
105 100

134 20.4 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.38 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

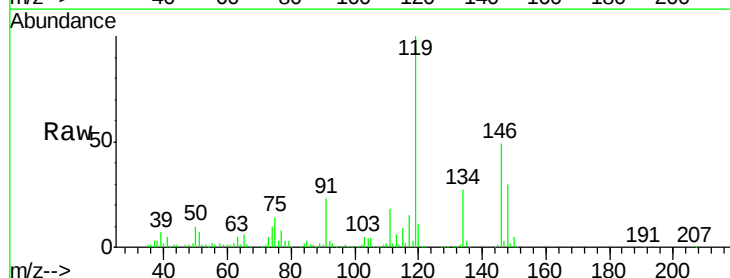
Tgt Ion:119 Resp: 399708

Ion Ratio Lower Upper

119 100

134 27.6 13.3 39.9

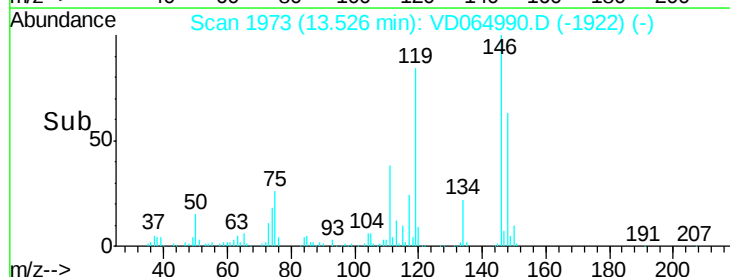
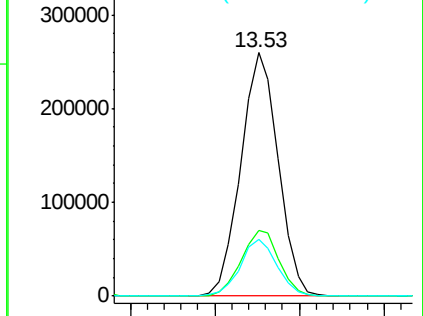
91 22.9 11.4 34.2

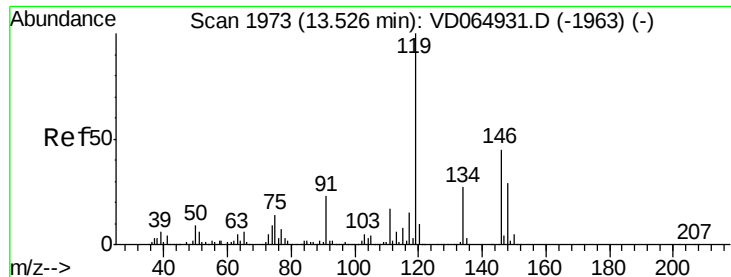


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

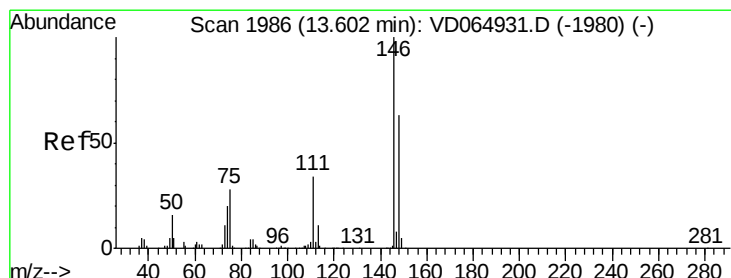
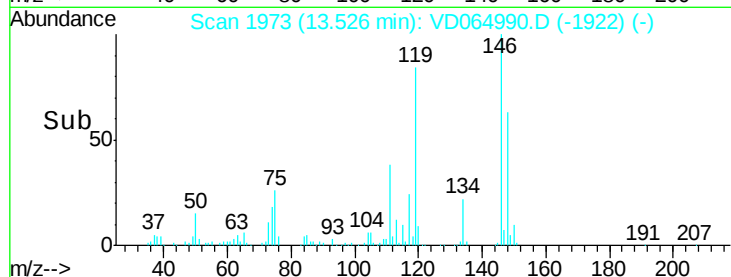
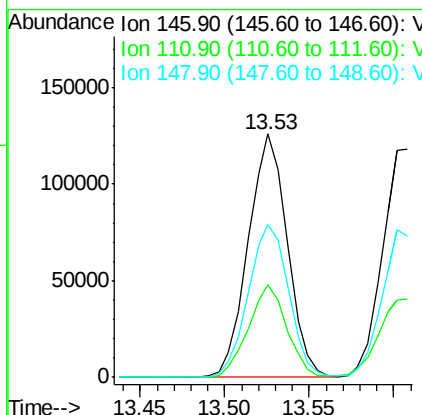
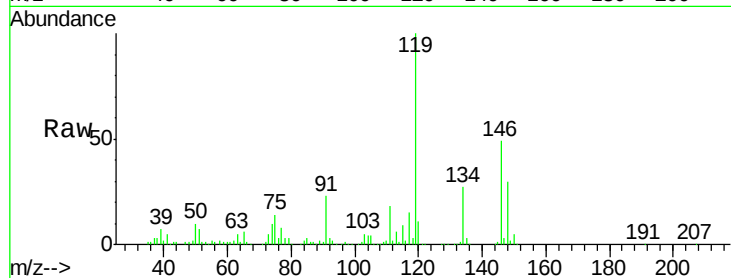




#87
 1,3-Dichlorobenzene
 Concen: 20.30 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

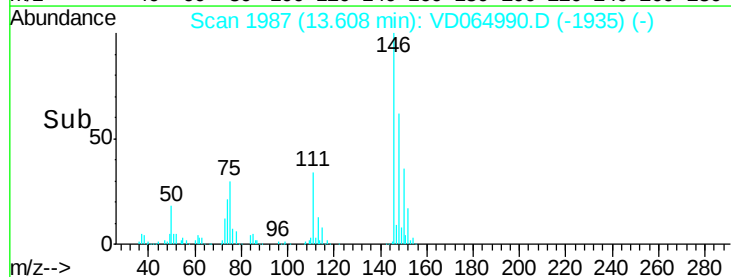
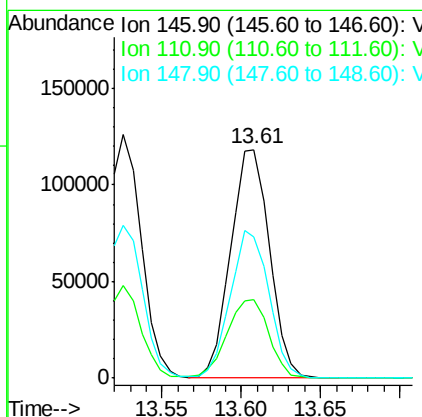
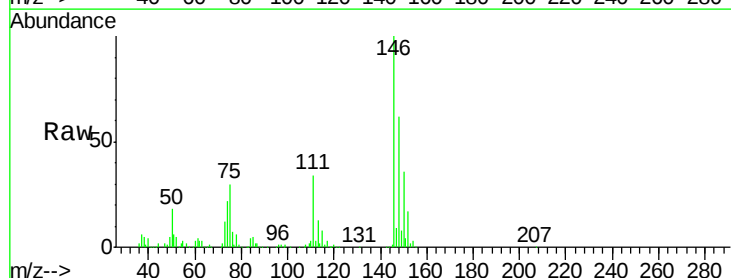
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

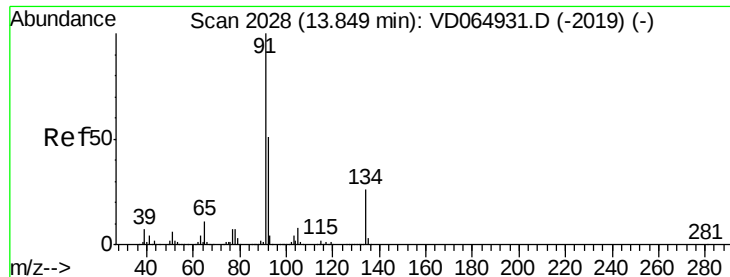
Tgt Ion:146 Resp: 202765
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.9 56.9
 148 65.1 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 20.38 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion:146 Resp: 202081
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.2 54.6
 148 64.2 32.0 96.0

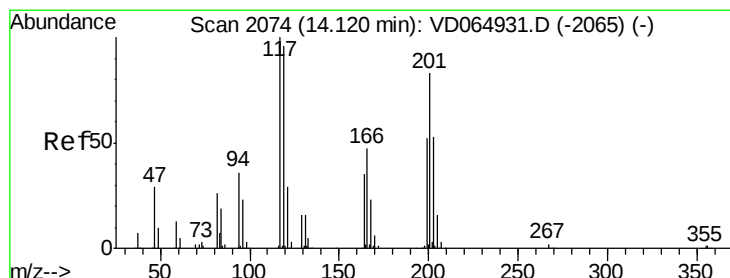
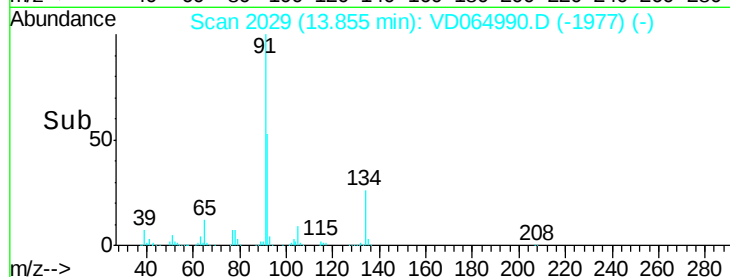
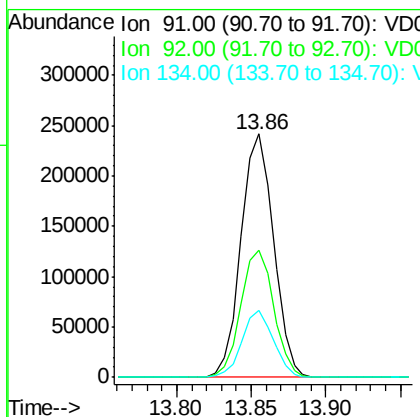
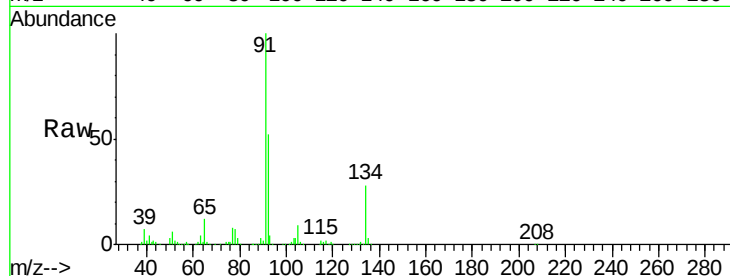




#89
n-Butylbenzene
Concen: 20.51 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

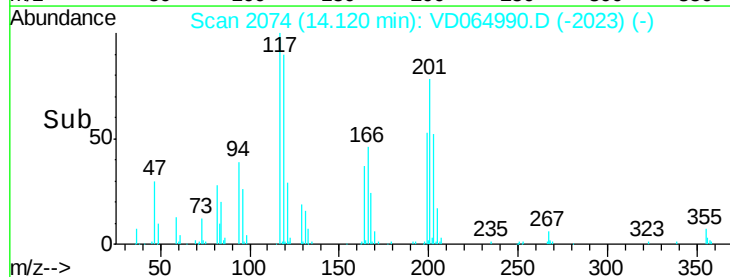
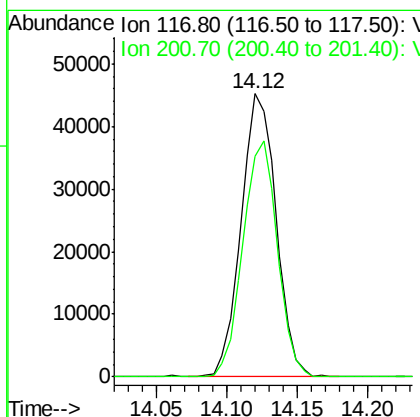
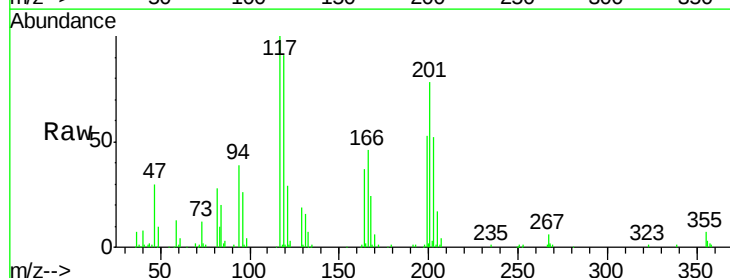
Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tgt Ion: 91 Resp: 367068
Ion Ratio Lower Upper
91 100
92 52.8 26.4 79.0
134 26.5 13.3 39.9



#90
Hexachloroethane
Concen: 20.84 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion: 117 Resp: 78803
Ion Ratio Lower Upper
117 100
201 82.1 41.1 123.3

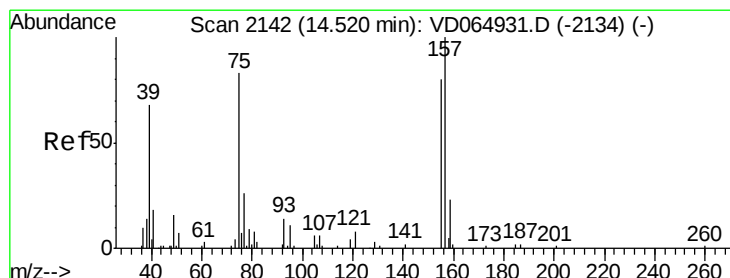
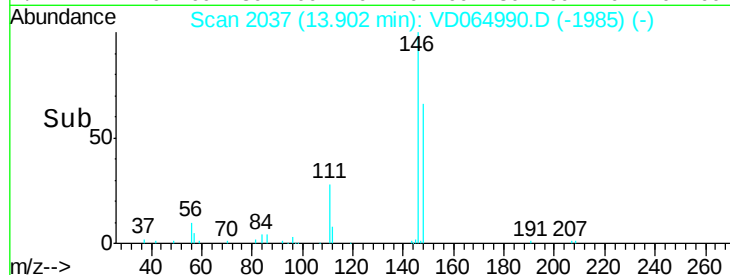
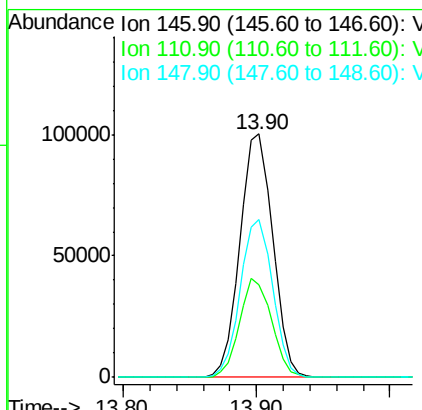
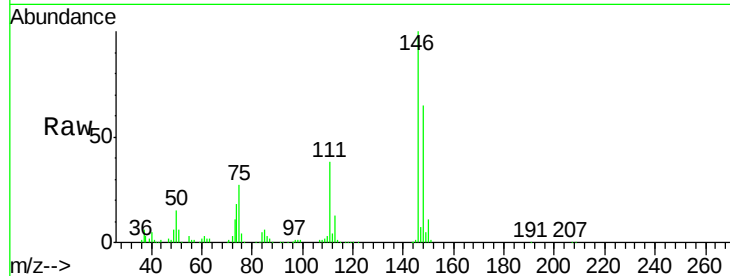




#91
 1,2-Dichlorobenzene
 Concen: 20.17 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

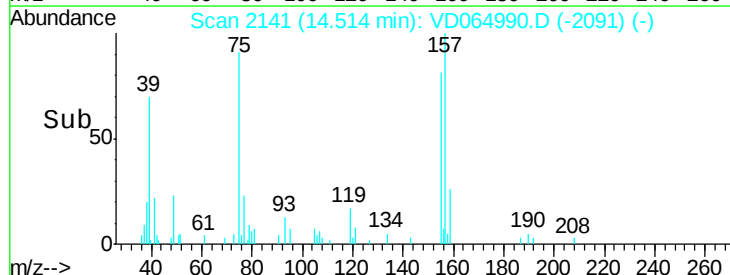
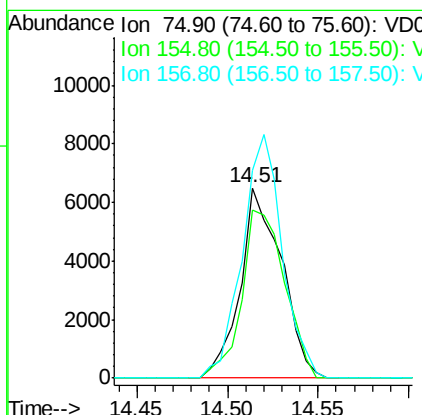
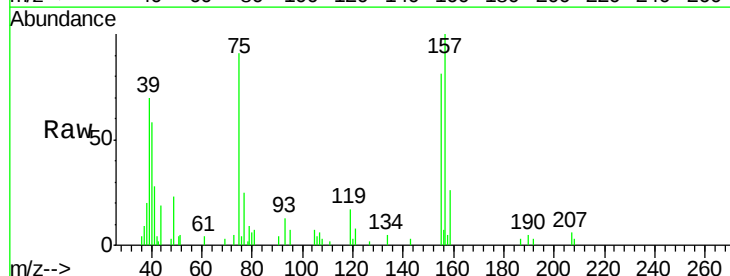
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

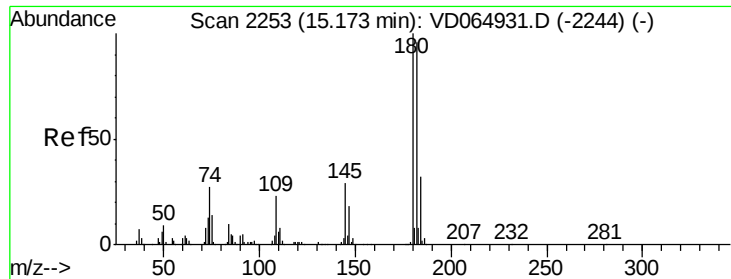
Tgt Ion:146 Resp: 171083
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.4 58.2
 148 63.9 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.97 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion: 75 Resp: 10287
 Ion Ratio Lower Upper
 75 100
 155 92.0 44.9 134.7
 157 124.2 58.9 176.6

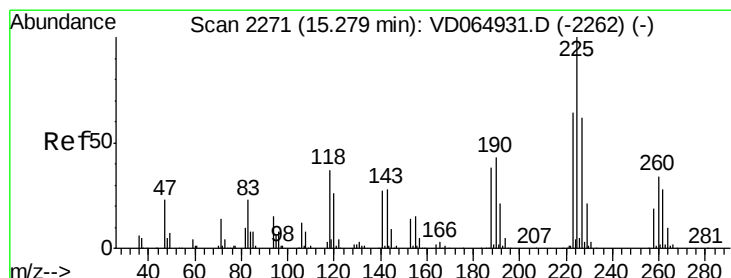
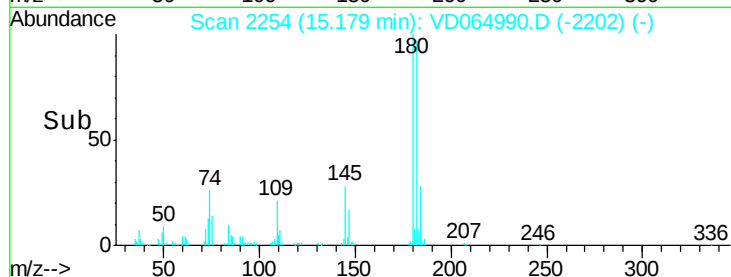
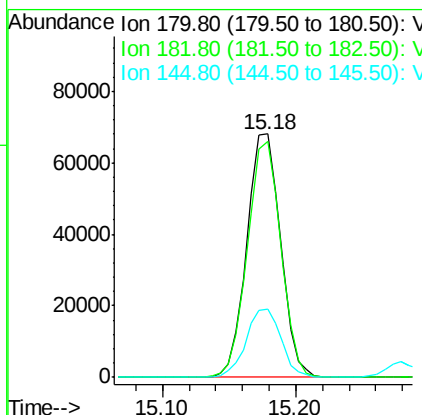
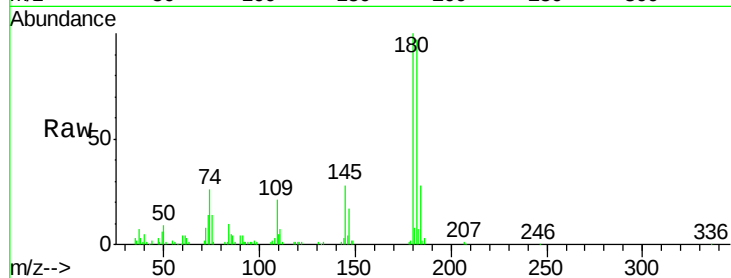




#93
 1,2,4-Trichlorobenzene
 Concen: 20.25 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

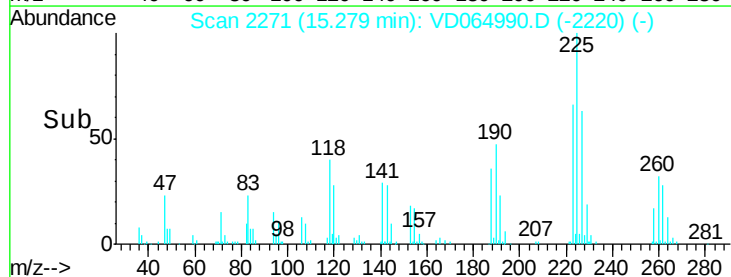
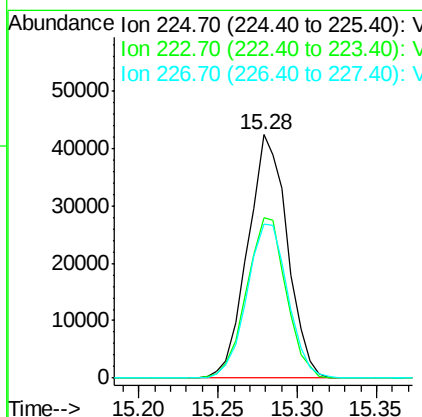
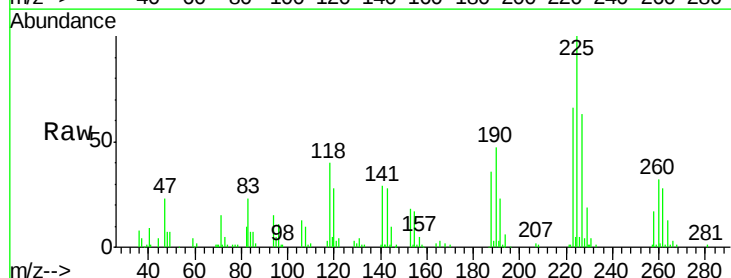
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

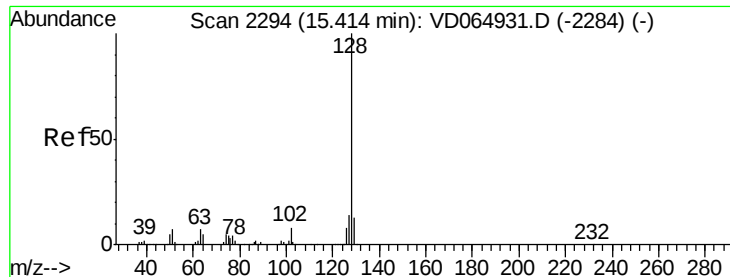
Tgt Ion:180 Resp: 118794
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.1 141.4
 145 29.0 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 19.81 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion:225 Resp: 73521
 Ion Ratio Lower Upper
 225 100
 223 65.7 32.4 97.2
 227 65.4 31.9 95.9





#95

Naphthalene

Concen: 18.68 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

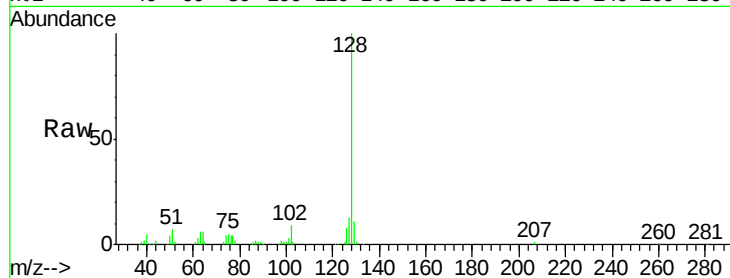
Tgt Ion:128 Resp: 176869

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

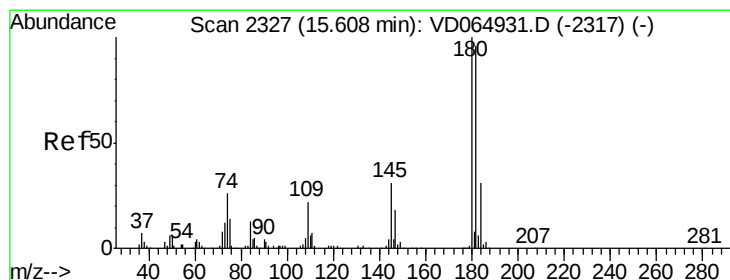
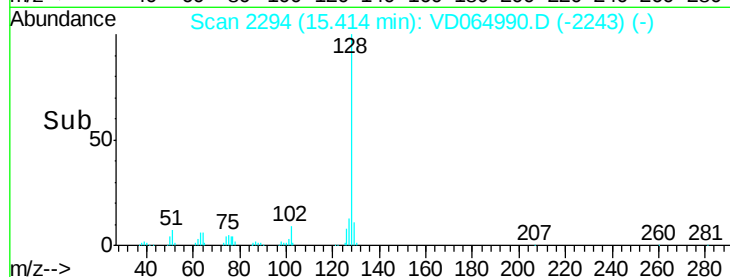
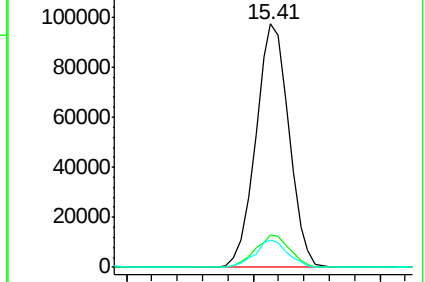
129 11.1 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.71 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

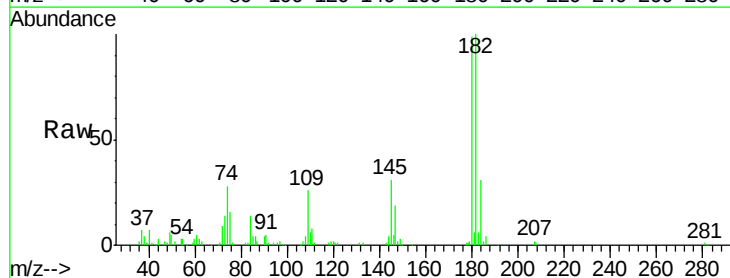
Tgt Ion:180 Resp: 100249

Ion Ratio Lower Upper

180 100

182 96.6 47.3 141.8

145 30.0 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

