

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
 Data File : VD064979.D
 Acq On : 28 Jan 2020 15:22
 Operator : VA/SY
 Sample : L1008-15
 Misc : 8.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-012420

Quant Time: Jan 29 01:34:03 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	8251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	12409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	12989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	5791	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	6137	77.54	ug/l	-0.01
Spiked Amount			Recovery	=	155.08%	
35) Dibromofluoromethane	7.92	113	4988	63.97	ug/l	0.00
Spiked Amount			Recovery	=	127.94%	
50) Toluene-d8	10.34	98	14730	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.64	95	5218	56.65	ug/l	0.00
Spiked Amount			Recovery	=	113.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	334	3.666	ug/l #	22
5) Bromomethane	2.80	94	303	4.305	ug/l #	3
6) Chloroethane	2.90	64	69	1.000	ug/l #	43
16) Acetone	4.16	43	799	48.668	ug/l #	45
18) Methyl Acetate	4.73	43	71	1.915	ug/l #	51
20) Methylene Chloride	4.96	84	61	Below Cal	#	52
21) trans-1,2-Dichloroethene	5.47	96	113	1.366	ug/l #	1
25) 2-Butanone	7.22	43	61	2.853	ug/l #	49
29) Tetrahydrofuran	7.77	42	88	6.670	ug/l #	34
31) Cyclohexane	7.98	56	290	2.103	ug/l #	59
36) 1,1-Dichloropropene	7.98	75	438	3.660	ug/l #	42
37) Ethyl Acetate	7.24	43	213	4.310	ug/l #	69
38) Carbon Tetrachloride	7.98	117	771	6.096	ug/l #	14
39) Methylcyclohexane	9.36	83	199	1.423	ug/l #	40
40) Benzene	8.36	78	5816	17.648	ug/l #	88
41) Methacrylonitrile	7.53	41	83	3.117	ug/l #	24
48) Methyl methacrylate	9.34	41	210	4.861	ug/l #	56
51) 4-Methyl-2-Pentanone	10.24	43	95	2.022	ug/l #	37
52) Toluene	10.40	92	776	3.652	ug/l #	72
55) 1,1,2-Trichloroethane	10.79	97	66	1.123	ug/l #	16
59) 2-Hexanone	10.96	43	84	2.592	ug/l #	25
67) Ethyl Benzene	11.75	91	940	2.008	ug/l #	44
68) m/p-Xylenes	11.86	106	505	2.801	ug/l #	65
69) o-Xylene	12.19	106	186	1.163	ug/l	88
73) Isopropylbenzene	12.49	105	1387	3.504	ug/l	95
74) N-amyl acetate	12.30	43	131	1.479	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	12.80	83	286	4.299	ug/l #	26
76) 1,2,3-Trichloropropane	12.63	75	3145	65.431	ug/l #	100
78) n-propylbenzene	12.83	91	2737	5.815	ug/l	87
80) 1,3,5-Trimethylbenzene	13.14	105	893	2.753	ug/l	63
81) trans-1,4-Dichloro-2-buten	12.63	75	3145	139.711	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.14	105	893	2.718	ug/l	69
85) sec-Butylbenzene	13.41	105	1964	5.039	ug/l #	64
86) p-Isopropyltoluene	13.53	119	711	1.950	ug/l	85

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Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

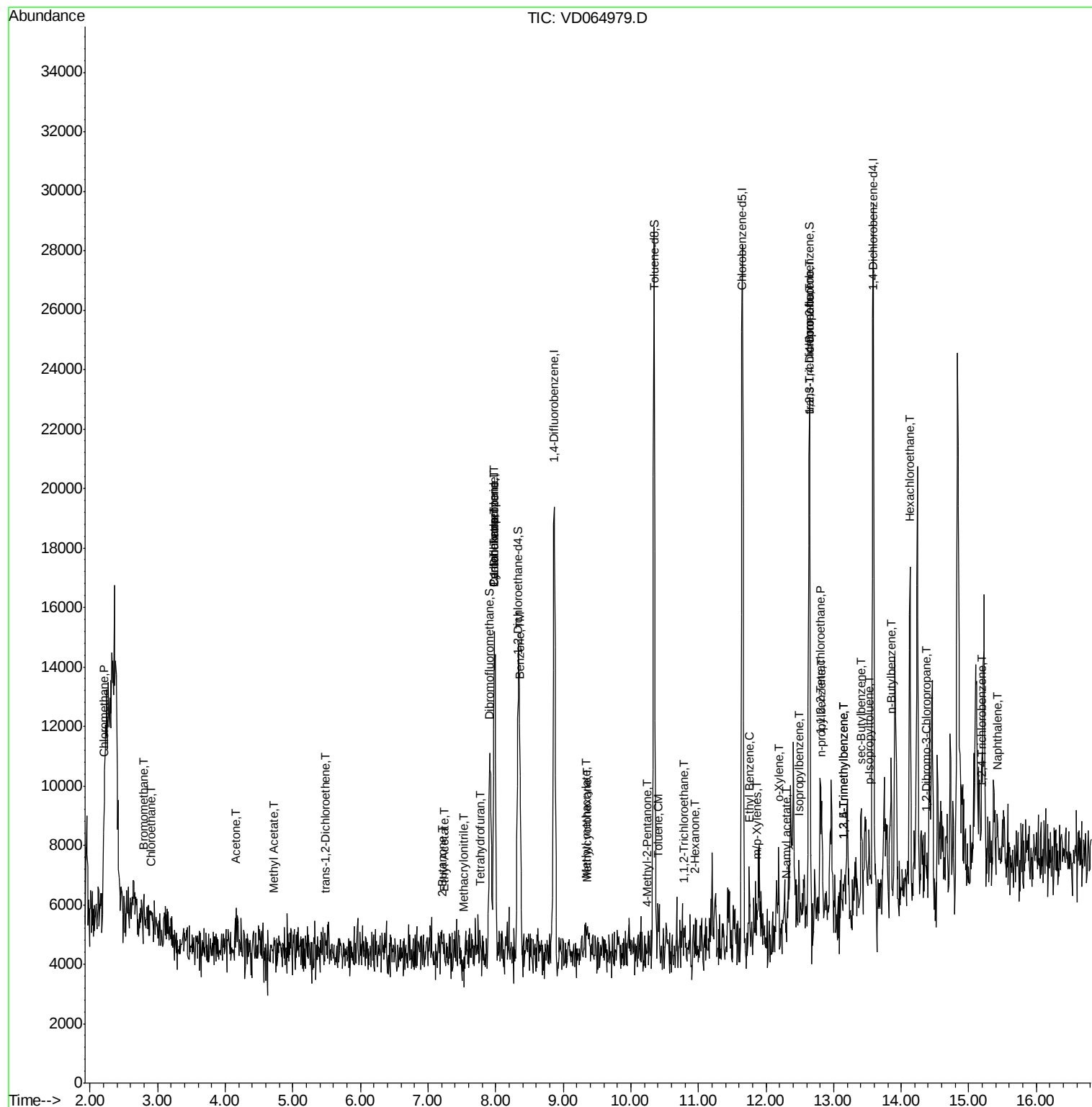
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.86	91	2158	6.484	ug/l #	84
90) Hexachloroethane	14.13	117	454	6.455	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.36	75	55	5.166	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.18	180	120	1.100	ug/l #	1
95) Naphthalene	15.41	128	728	4.133	ug/l #	67

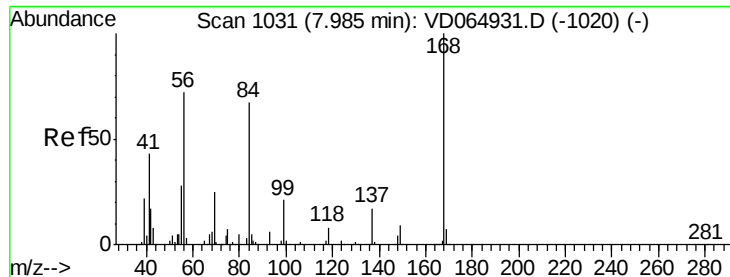
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

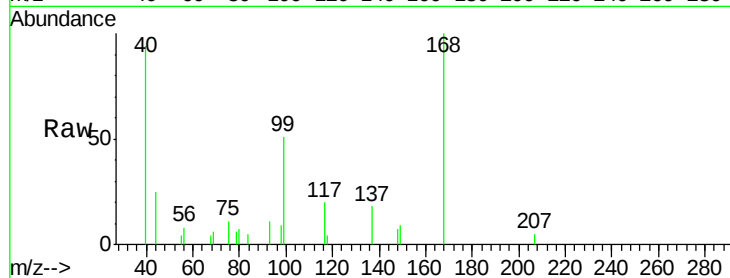
CL-02-012420

Tot Ion:168 Resp: 8251

Ion Ratio Lower Upper

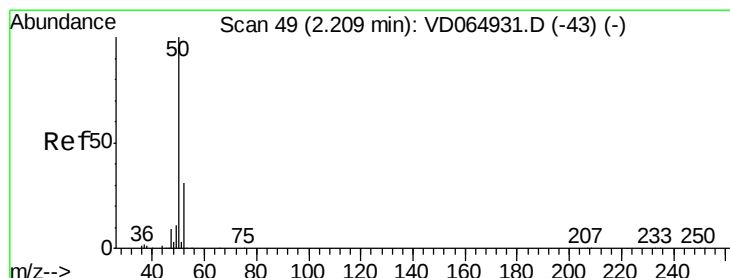
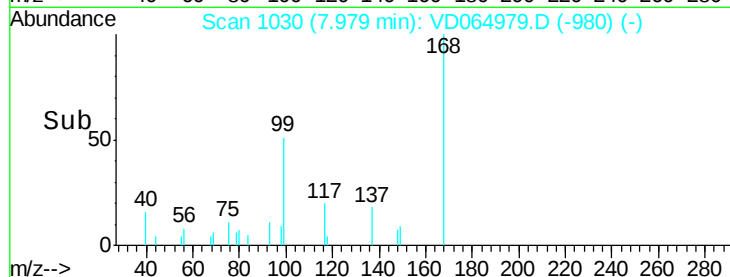
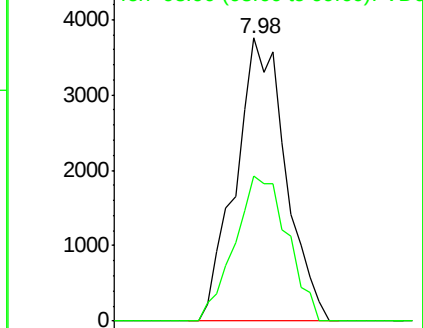
168 100

99 51.3 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 3.666 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD064979.D

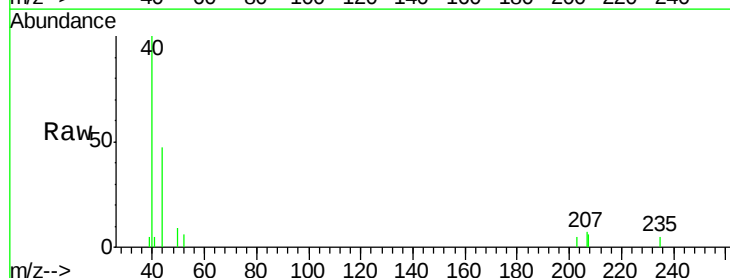
Acq: 28 Jan 2020 15:22

Tgt Ion: 50 Resp: 334

Ion Ratio Lower Upper

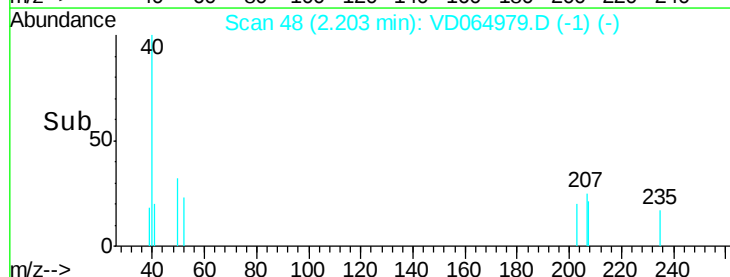
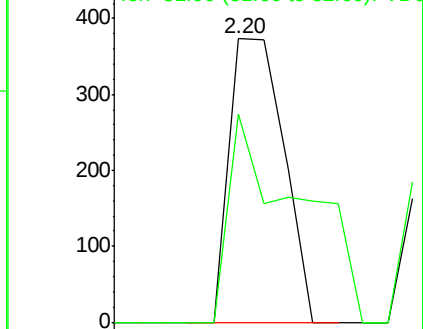
50 100

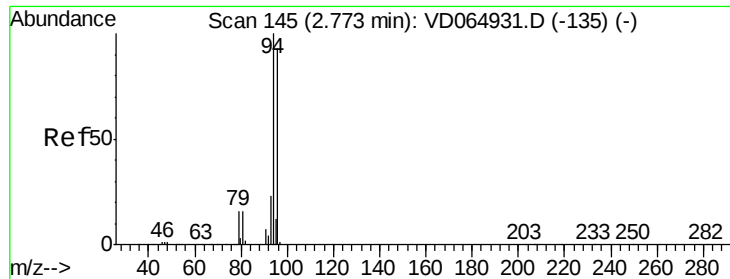
52 73.5 24.6 36.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 4.305 ug/l

RT: 2.80 min Scan# 150

Delta R.T. 0.03 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

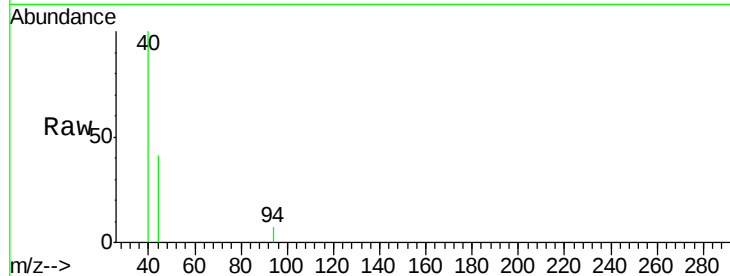
CL-02-012420

Tot Ion: 94 Resp: 303

Ion Ratio Lower Upper

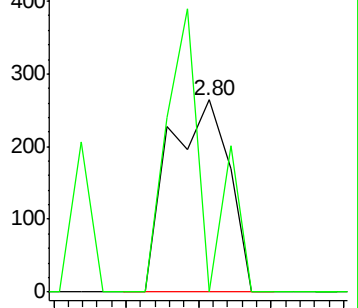
94 100

96 0.0 74.6 111.8#

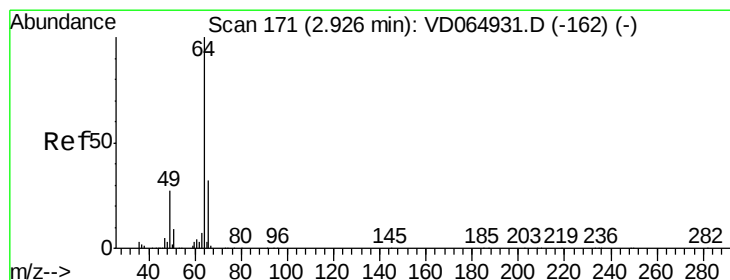
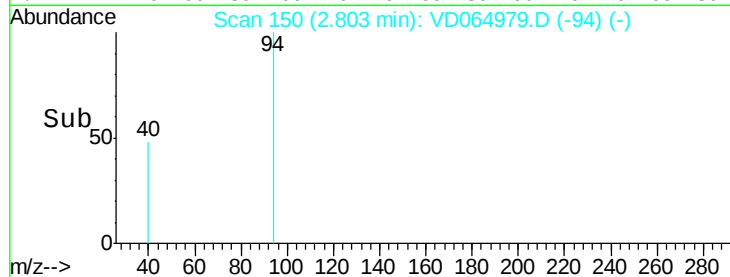


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 1.000 ug/l

RT: 2.90 min Scan# 167

Delta R.T. -0.02 min

Lab File: VD064979.D

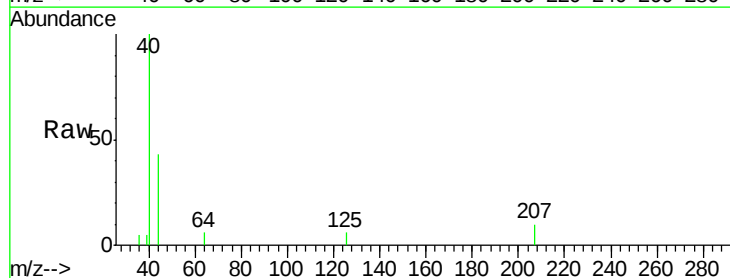
Acq: 28 Jan 2020 15:22

Tgt Ion: 64 Resp: 69

Ion Ratio Lower Upper

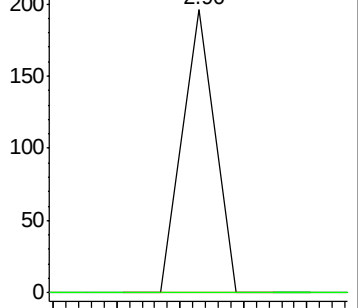
64 100

66 0.0 25.3 37.9#

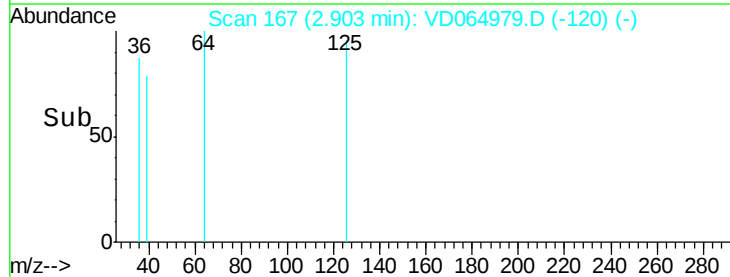


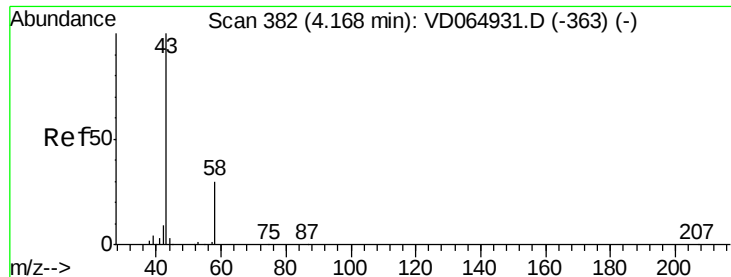
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#16

Acetone

Concen: 48.668 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

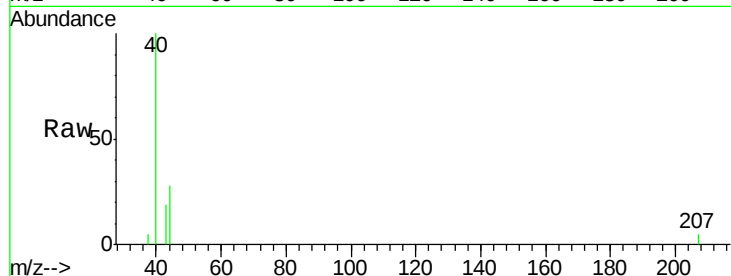
CL-02-012420

Tot Ion: 43 Resp: 799

Ion Ratio Lower Upper

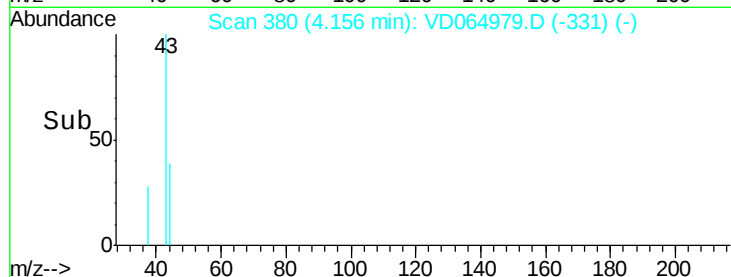
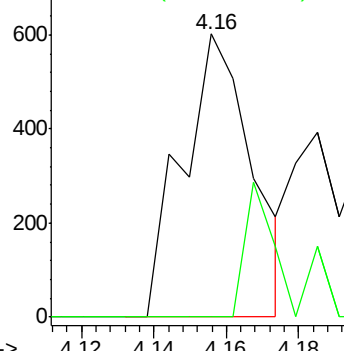
43 100

58 0.0 23.8 35.8#

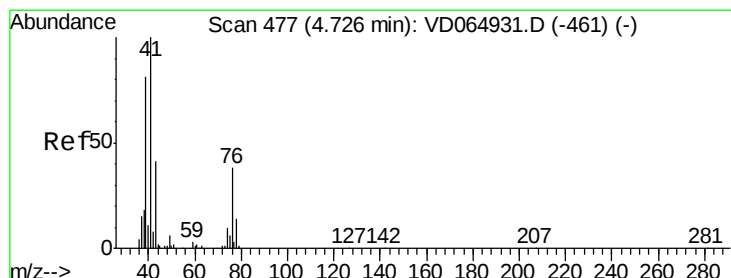


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#18

Methyl Acetate

Concen: 1.915 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064979.D

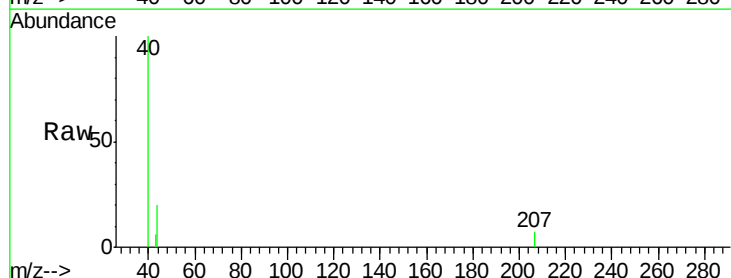
Acq: 28 Jan 2020 15:22

Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

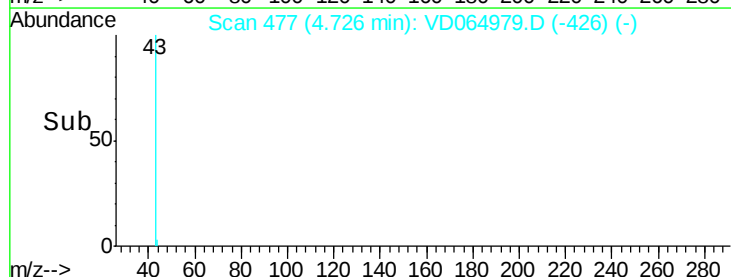
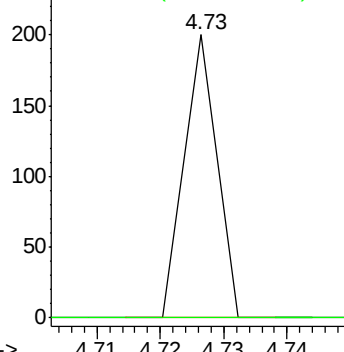
43 100

74 0.0 19.1 28.7#

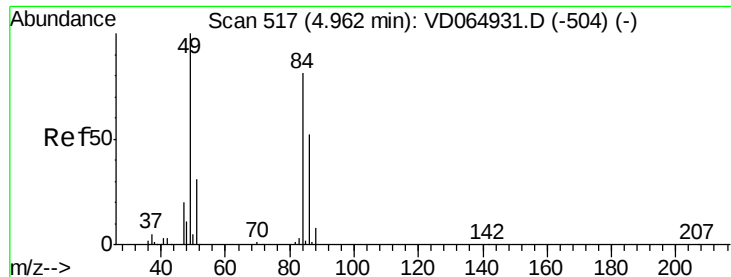


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-012420

Tot Ion: 84 Resp: 61

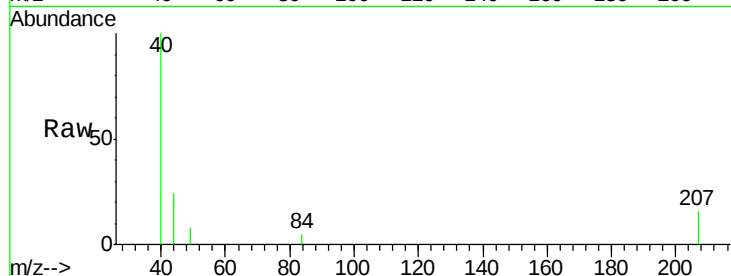
Ion Ratio Lower Upper

84 100

49 151.4 98.4 147.6#

51 0.0 30.8 46.2#

86 0.0 51.0 76.6#

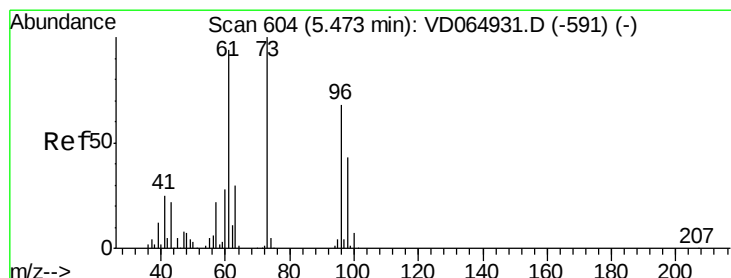
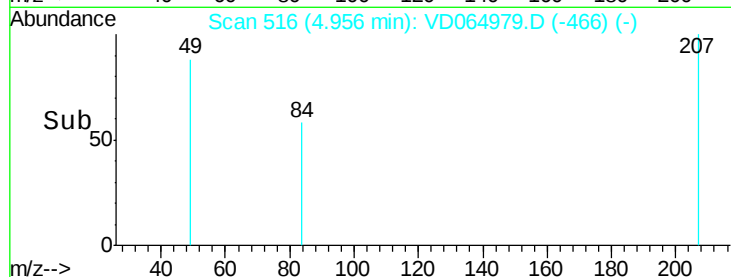
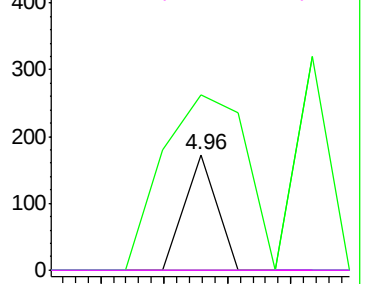


Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#21

trans-1,2-Dichloroethene

Concen: 1.366 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

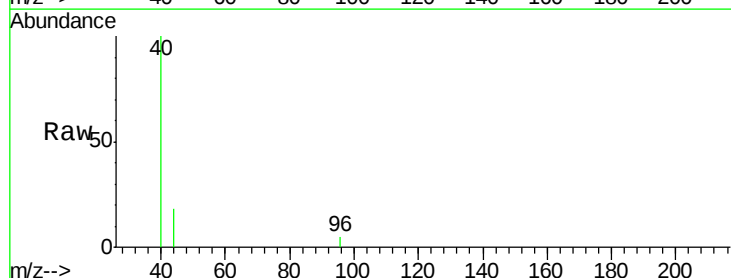
Tgt Ion: 96 Resp: 113

Ion Ratio Lower Upper

96 100

61 0.0 110.4 165.6#

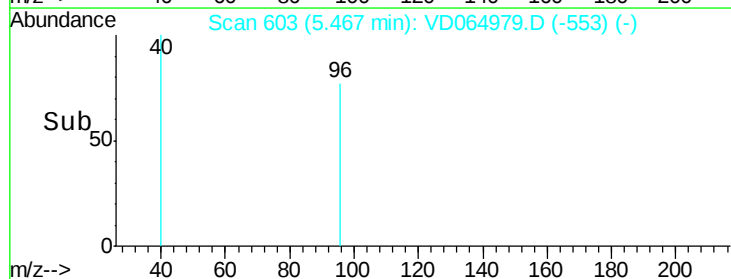
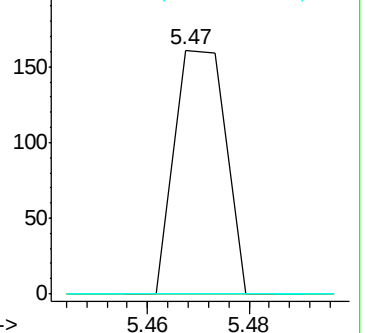
98 0.0 50.5 75.7#

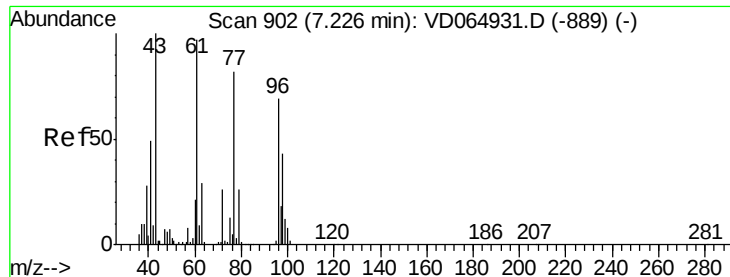


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#25

2-Butanone

Concen: 2.853 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

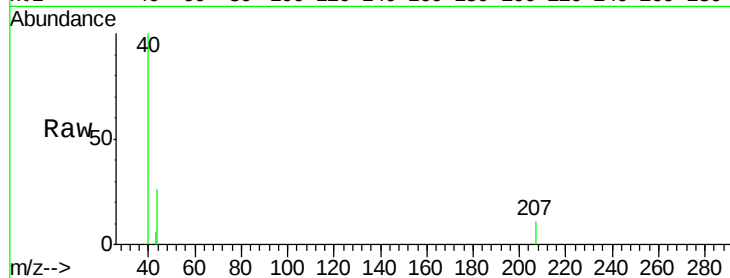
CL-02-012420

Tot Ion: 43 Resp: 61

Ion Ratio Lower Upper

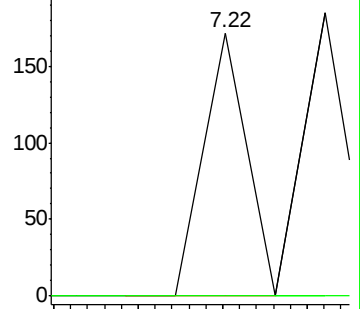
43 100

72 0.0 20.6 31.0#

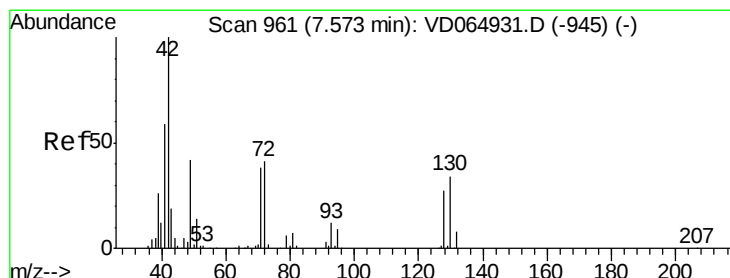
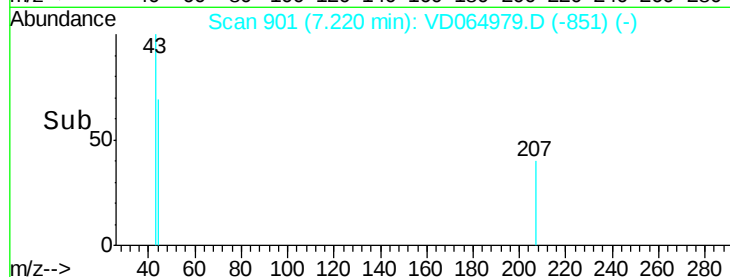


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time--> 7.20 7.21 7.22 7.23



#29

Tetrahydrofuran

Concen: 6.670 ug/l

RT: 7.77 min Scan# 995

Delta R.T. 0.20 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

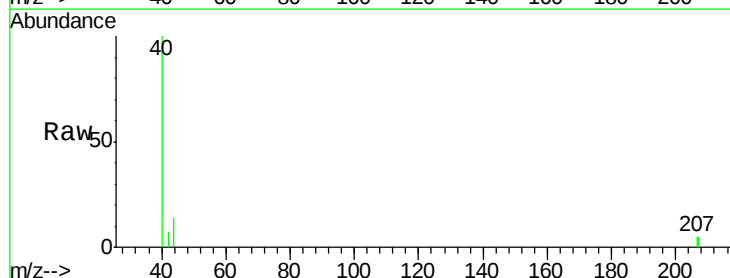
Tgt Ion: 42 Resp: 88

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

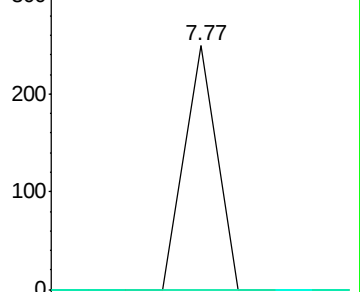
71 0.0 31.5 47.3#



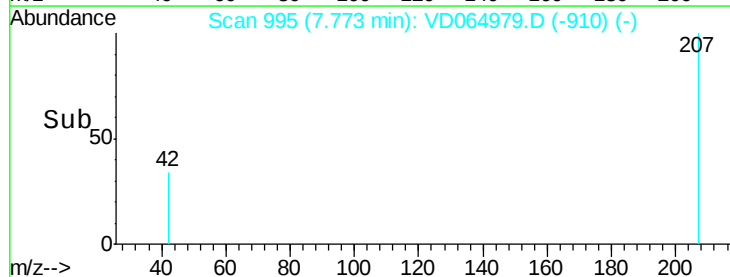
Abundance Ion 42.00 (41.70 to 42.70): VDC

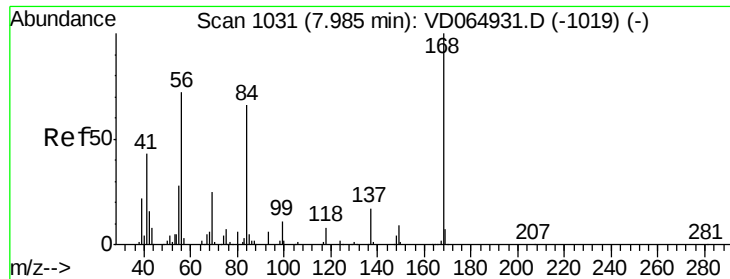
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



Time--> 7.75 7.76 7.77 7.78 7.79

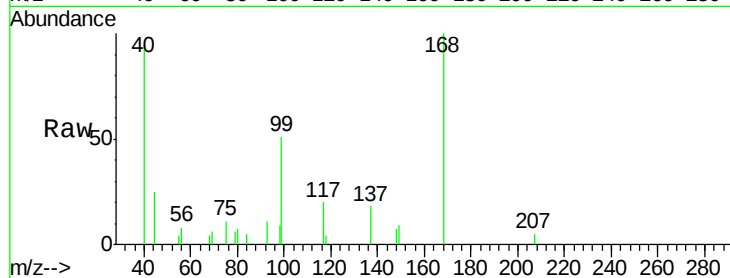




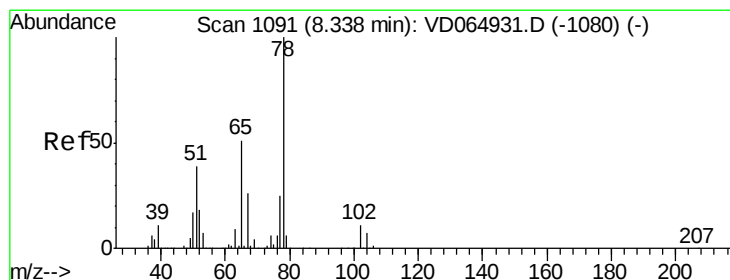
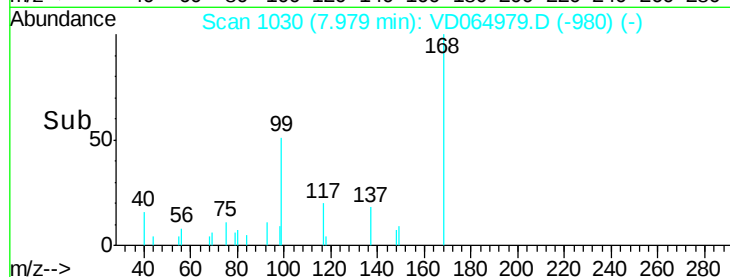
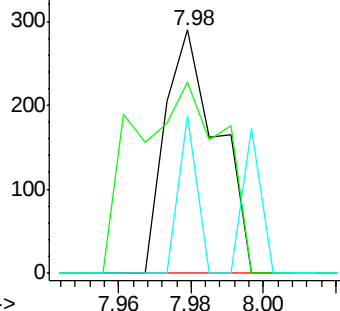
#31
Cvclohexane
Concen: 2.103 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064979.D
Acq: 28 Jan 2020 15:22

Instrument :
MSVOA_D
ClientSampleId :
CL-02-012420

Tot Ion: 56 Resp: 290
Ion Ratio Lower Upper
56 100
69 78.6 27.9 41.9#
84 64.8 72.8 109.2#

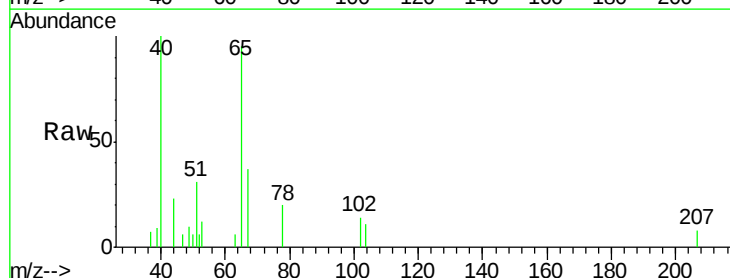


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

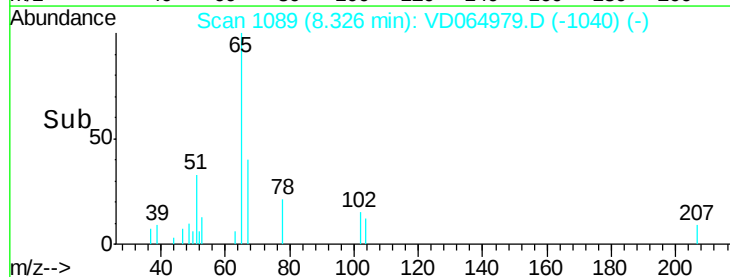
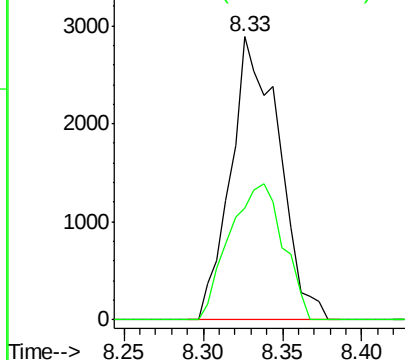


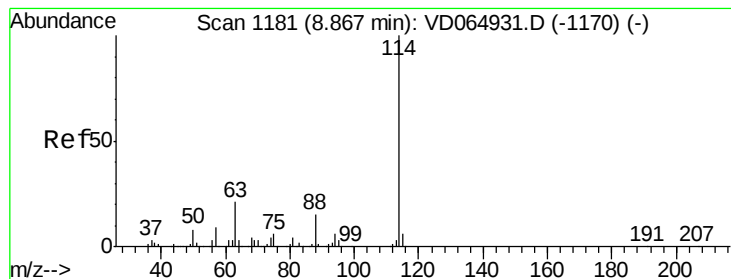
#33
1,2-Dichloroethane-d4
Concen: 77.541 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD064979.D
Acq: 28 Jan 2020 15:22

Tgt Ion: 65 Resp: 6137
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-012420

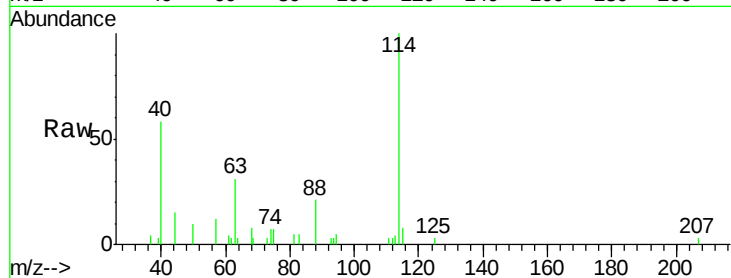
Tot Ion:114 Resp: 12409

Ion Ratio Lower Upper

114 100

63 31.5 0.0 42.0

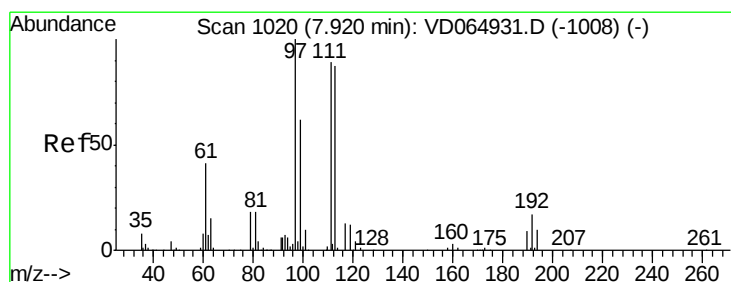
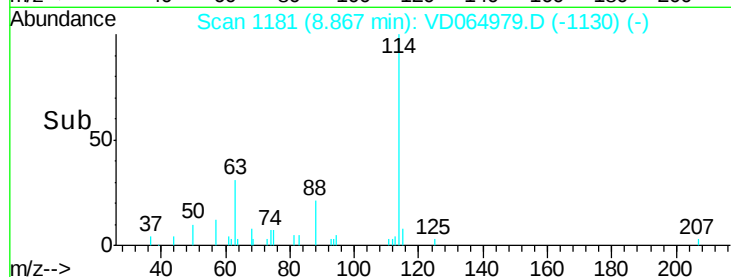
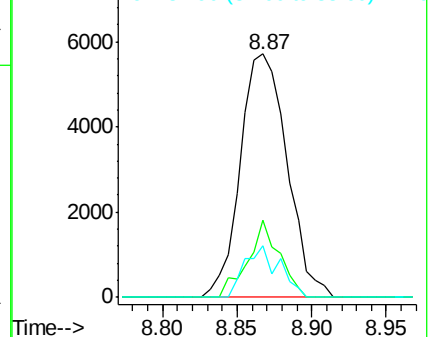
88 21.3 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 63.965 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

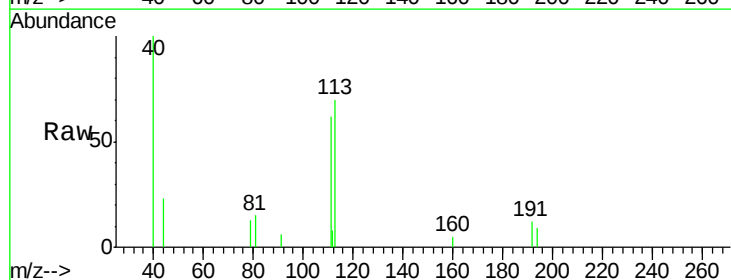
Tgt Ion:113 Resp: 4988

Ion Ratio Lower Upper

113 100

111 95.0 82.4 123.6

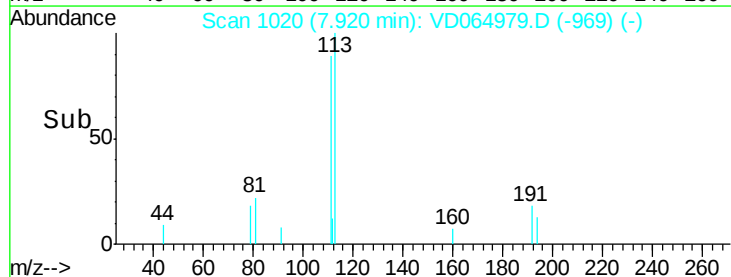
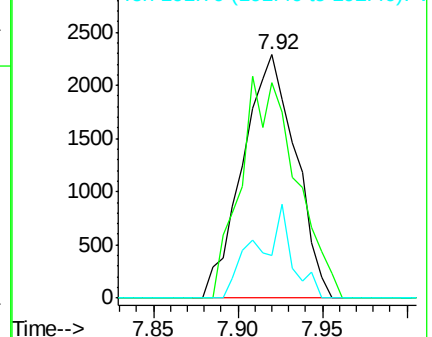
192 25.3 16.9 25.3#

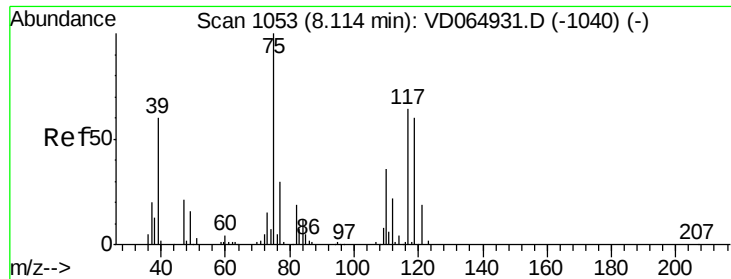


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.660 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-012420

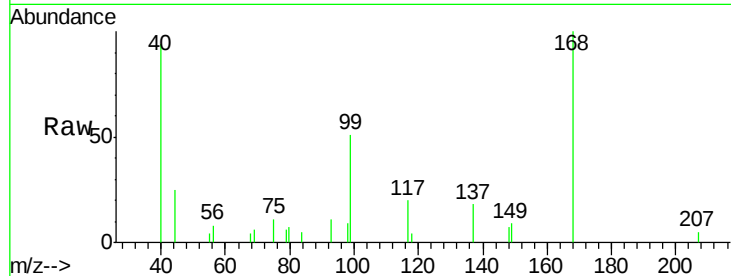
Tot Ion: 75 Resp: 438

Ion Ratio Lower Upper

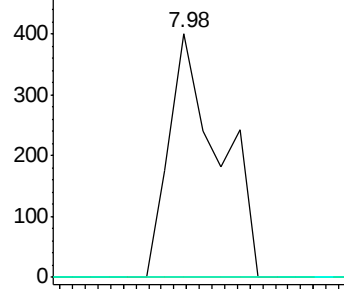
75 100

110 0.0 17.3 52.0#

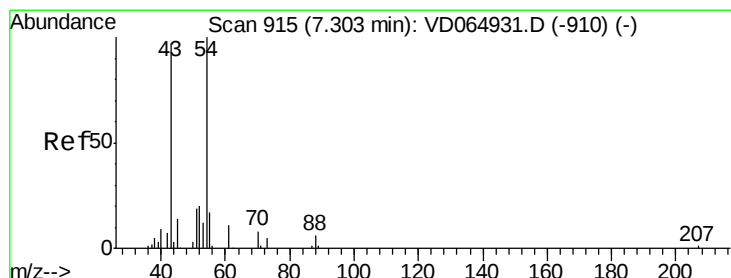
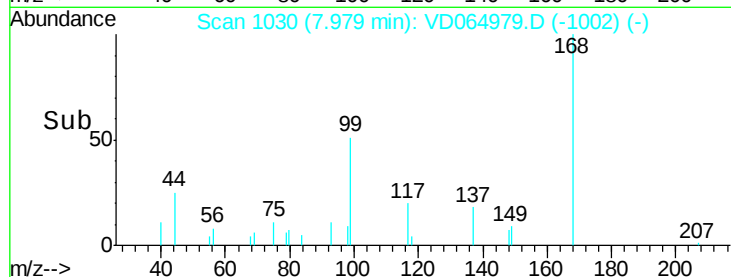
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.90 (76.60 to 77.60): VDC



Time-->



#37

Ethyl Acetate

Concen: 4.310 ug/l

RT: 7.24 min Scan# 905

Delta R.T. -0.06 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

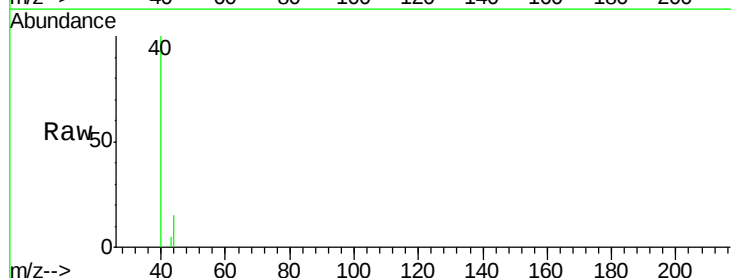
Tgt Ion: 43 Resp: 213

Ion Ratio Lower Upper

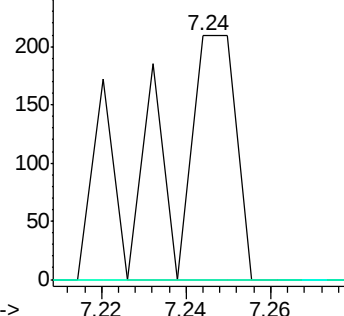
43 100

61 0.0 11.0 16.4#

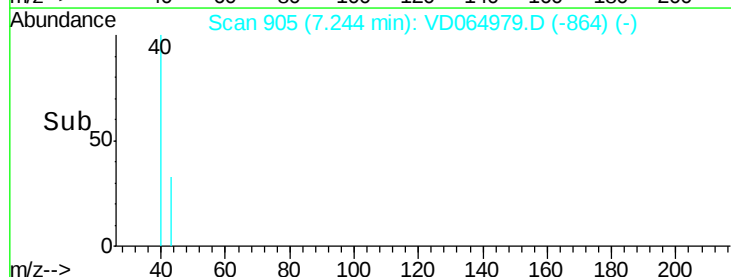
70 0.0 7.5 11.3#

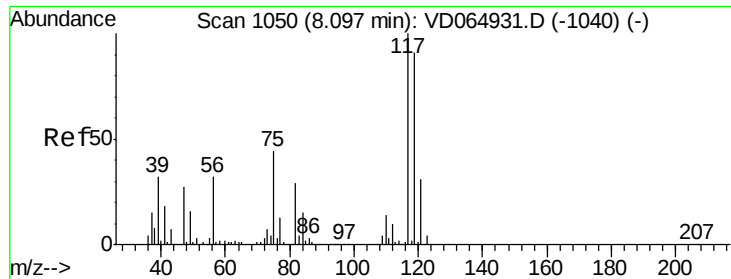


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



Time-->





#38

Carbon Tetrachloride

Concen: 6.096 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-012420

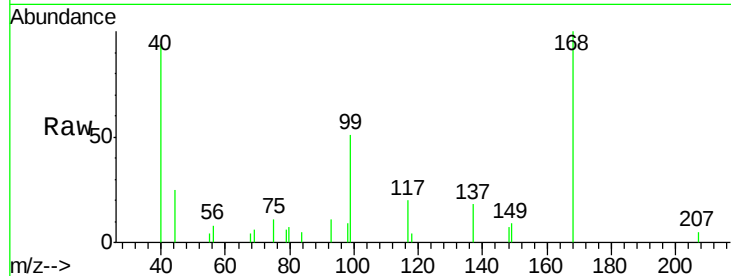
Tot Ion:117 Resp: 771

Ion Ratio Lower Upper

117 100

119 0.0 73.2 109.8#

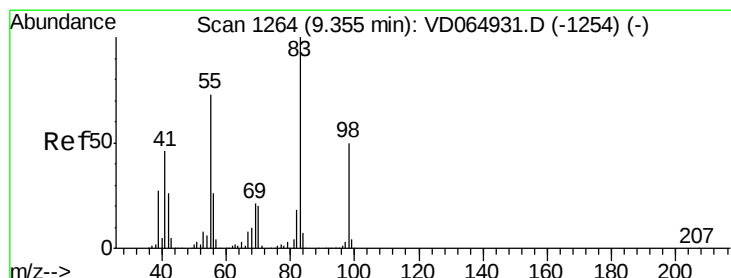
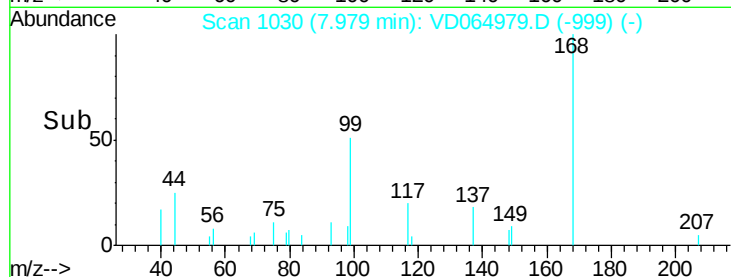
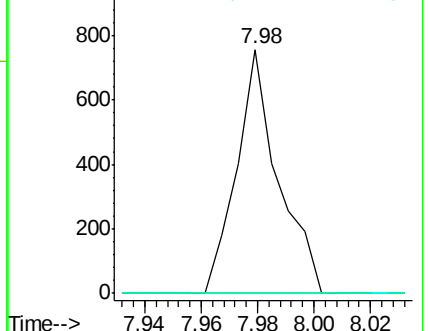
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.423 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

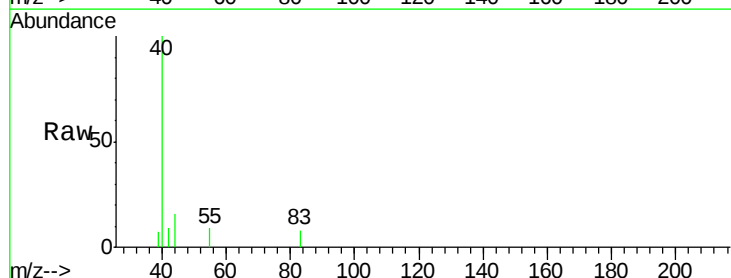
Tgt Ion: 83 Resp: 199

Ion Ratio Lower Upper

83 100

55 116.3 58.7 88.1#

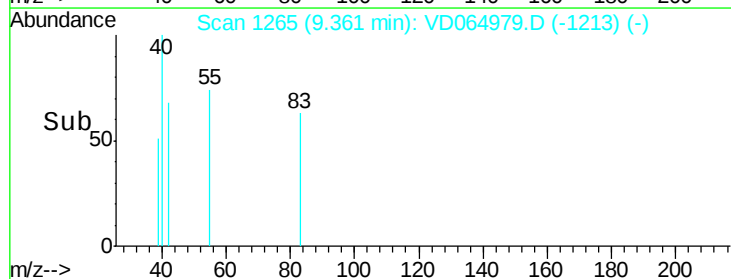
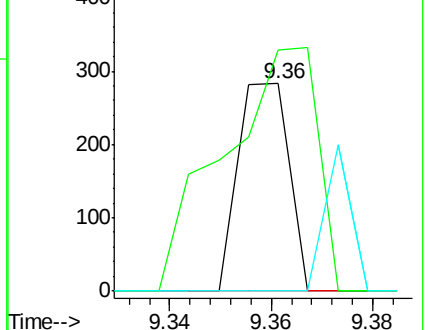
98 0.0 40.2 60.2#

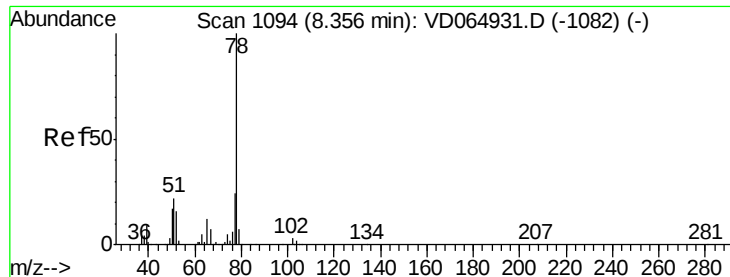


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC





#40

Benzene

Concen: 17.648 ug/l

RT: 8.36 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

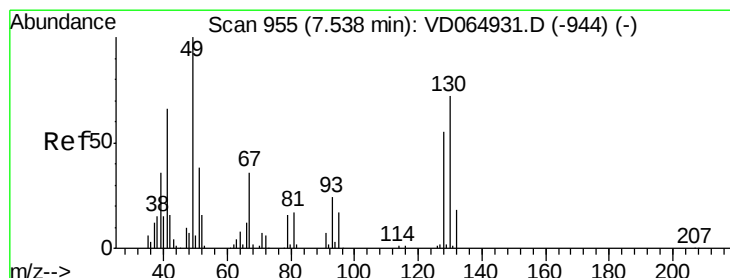
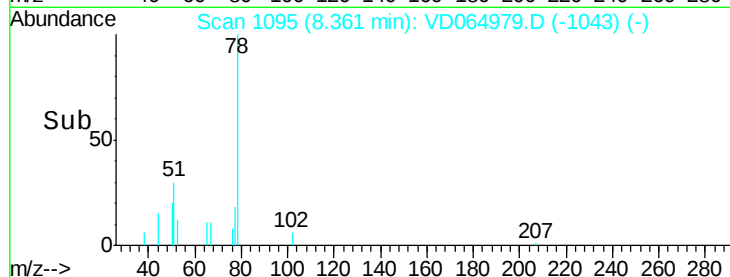
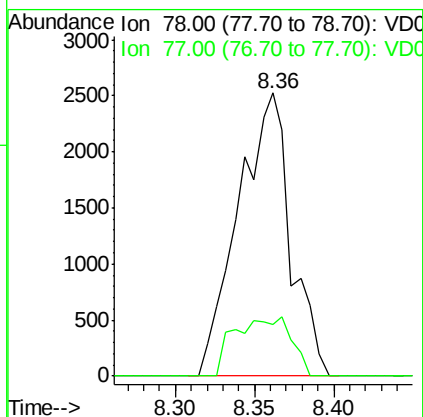
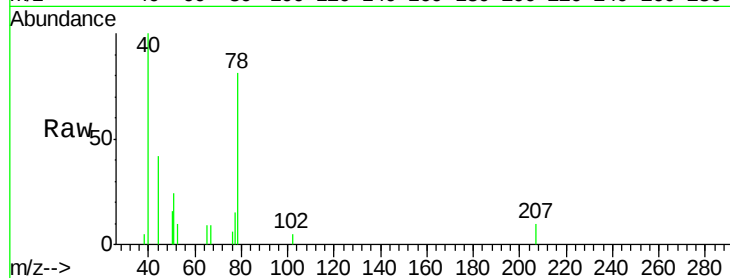
CL-02-012420

Tot Ion: 78 Resp: 5816

Ion Ratio Lower Upper

78 100

77 18.1 19.2 28.8#



#41

Methacrylonitrile

Concen: 3.117 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Tgt Ion: 41 Resp: 83

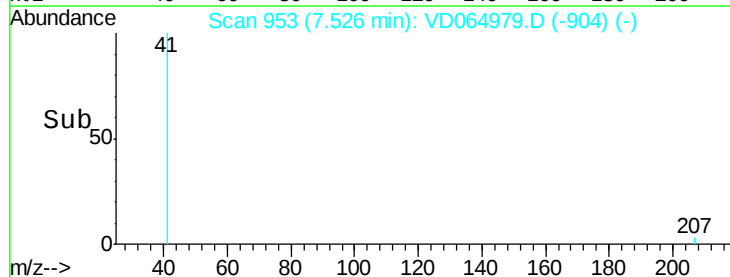
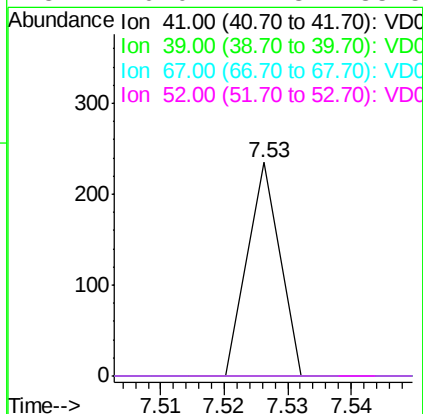
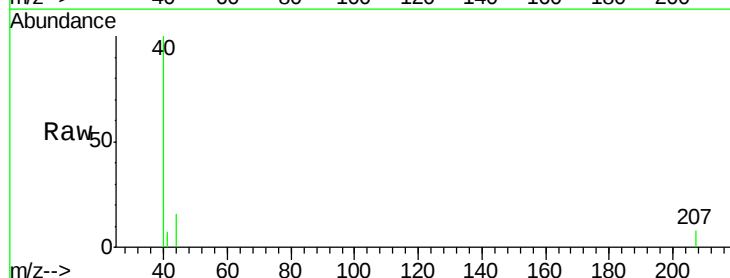
Ion Ratio Lower Upper

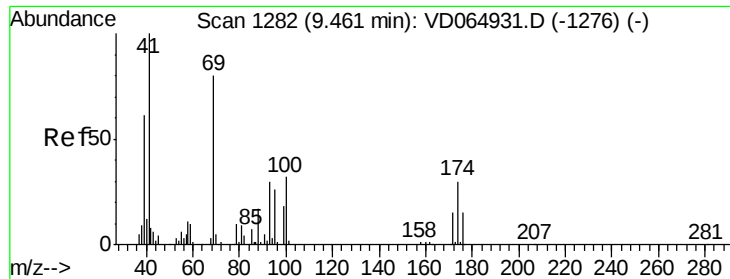
41 100

39 0.0 49.3 73.9#

67 0.0 51.0 76.6#

52 0.0 22.3 33.5#

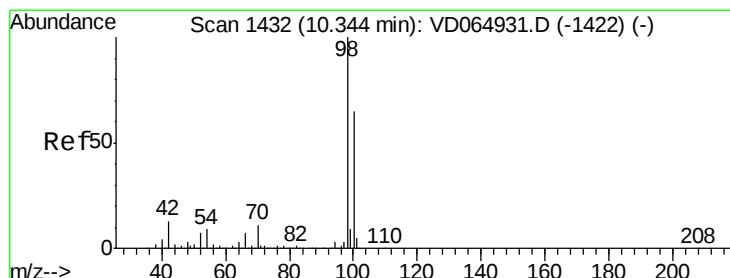
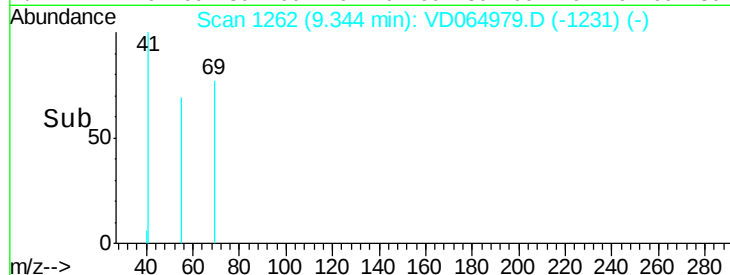
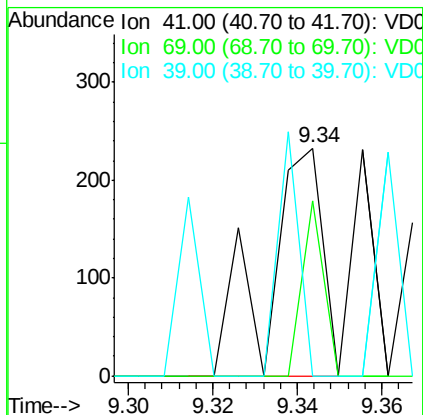
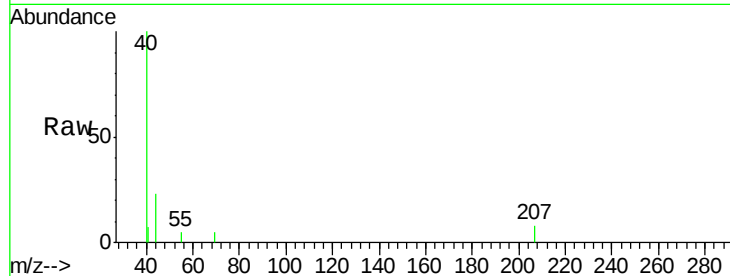




#48
Methvl methacrvlate
Concen: 4.861 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.12 min
Lab File: VD064979.D
Acq: 28 Jan 2020 15:22

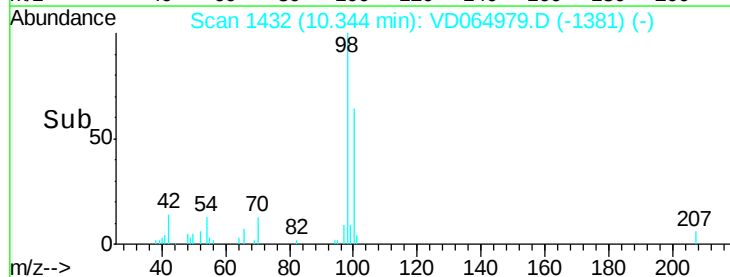
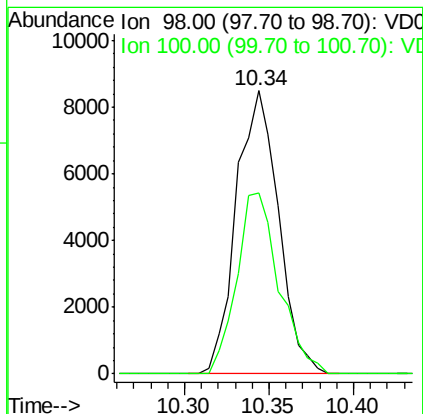
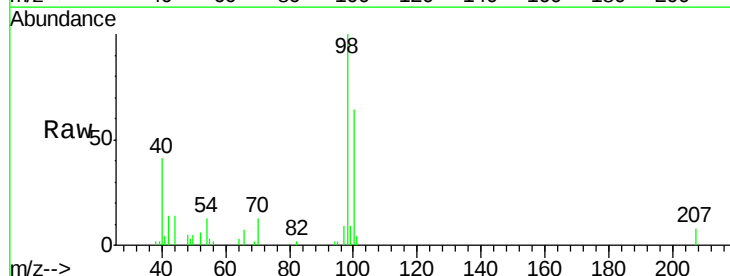
Instrument :
MSVOA_D
ClientSampleId :
CL-02-012420

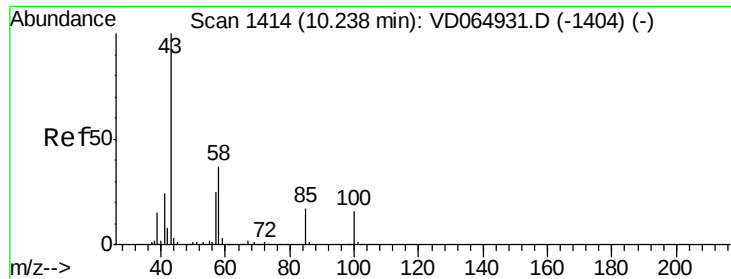
Tot Ion: 41 Resp: 210
Ion Ratio Lower Upper
41 100
69 30.0 65.8 98.8#
39 41.9 49.4 74.0#



#50
Toluene-d8
Concen: 48.941 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064979.D
Acq: 28 Jan 2020 15:22

Tgt Ion: 98 Resp: 14730
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5

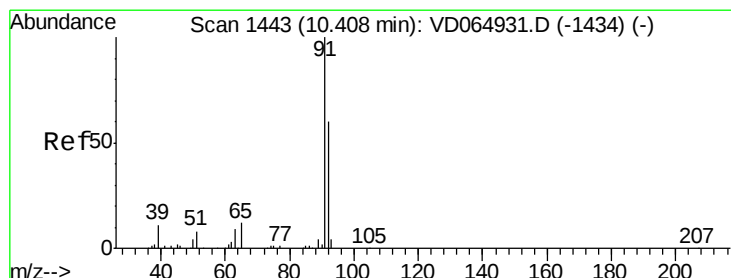
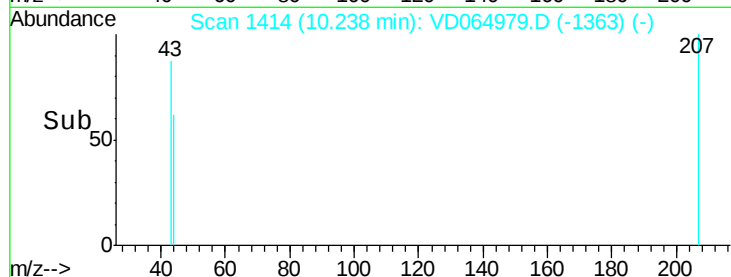
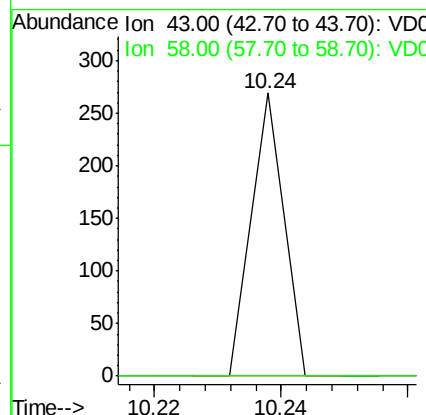
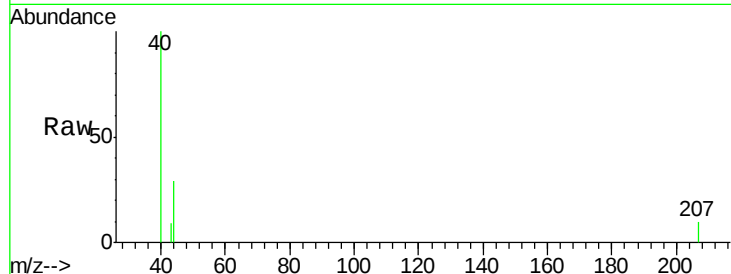




#51
 4-Methyl-2-Pentanone
 Concen: 2.022 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VD064979.D
 Acq: 28 Jan 2020 15:22

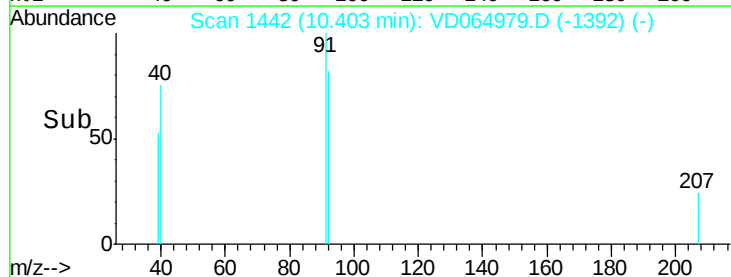
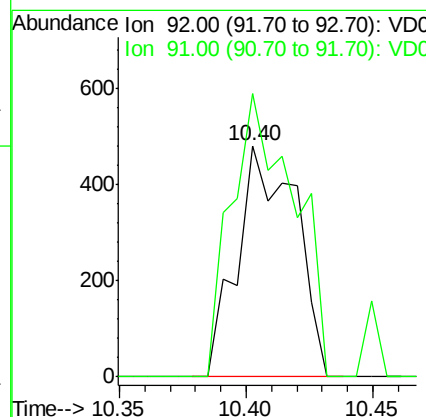
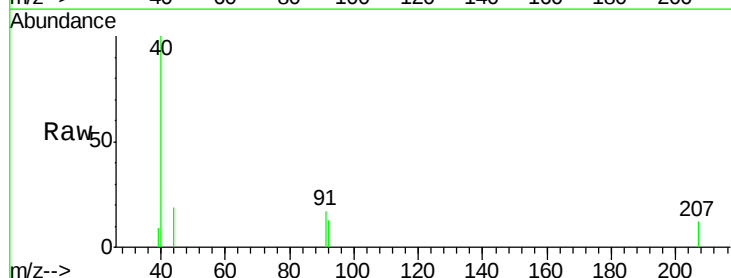
Instrument :
 MSVOA_D
 ClientSampleID :
 CL-02-012420

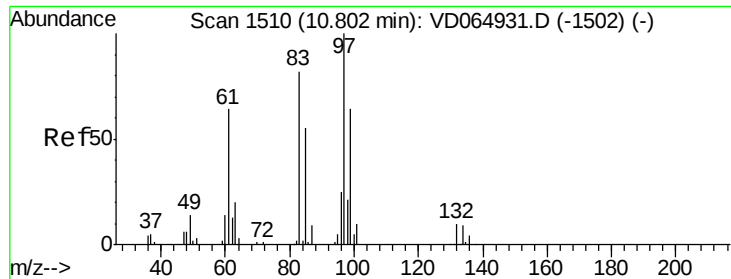
Tot Ion: 43 Resp: 95
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.4 45.6#



#52
 Toluene
 Concen: 3.652 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064979.D
 Acq: 28 Jan 2020 15:22

Tgt Ion: 92 Resp: 776
 Ion Ratio Lower Upper
 92 100
 91 132.0 136.8 205.2#

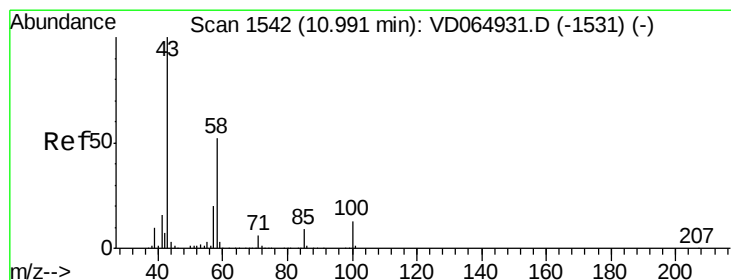
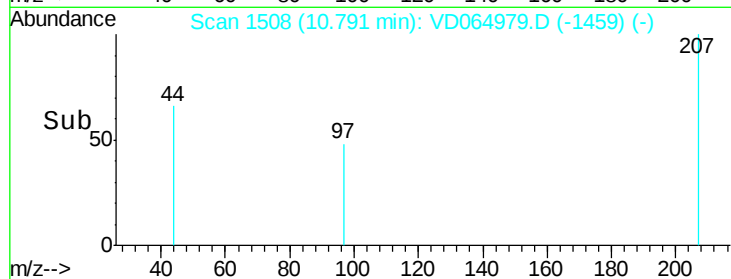
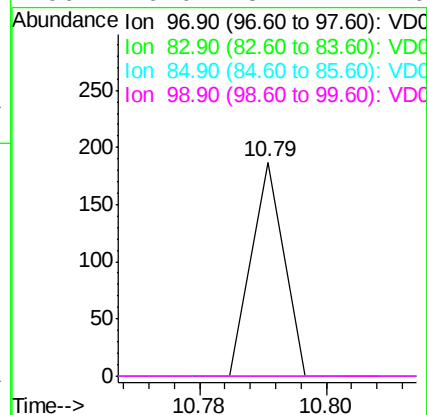
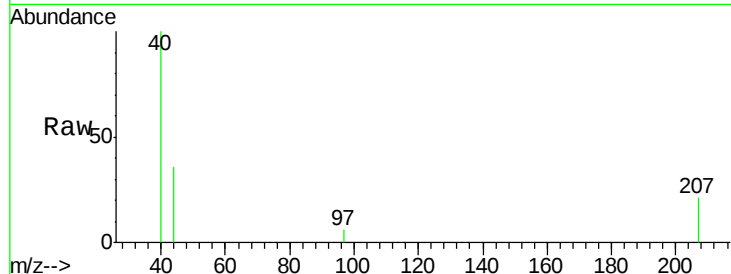




#55
 1,1,2-Trichloroethane
 Concen: 1.123 ug/l
 RT: 10.79 min Scan# 1508
 Delta R.T. -0.01 min
 Lab File: VD064979.D
 Acq: 28 Jan 2020 15:22

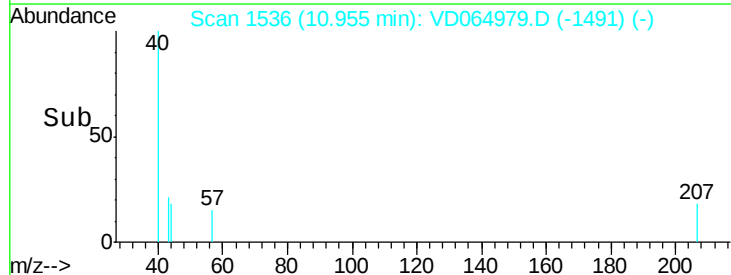
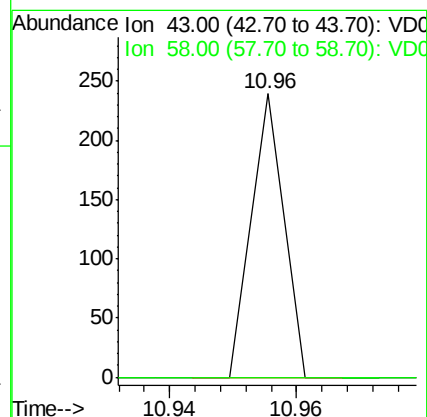
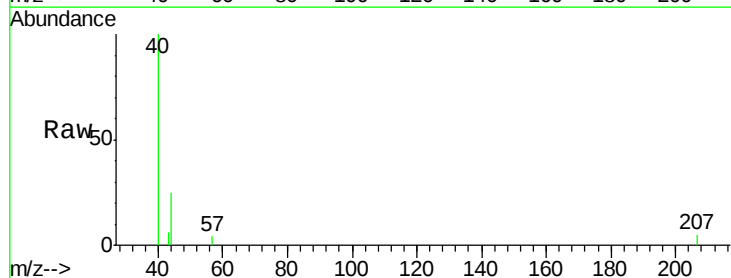
Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-012420

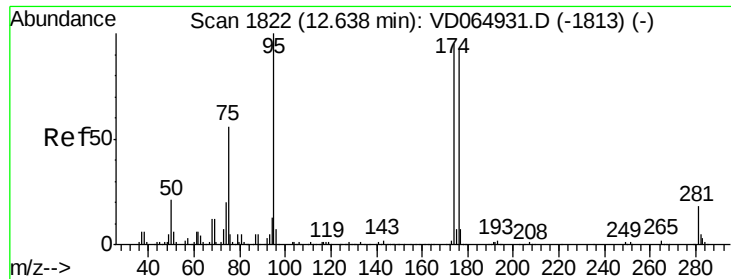
Tot Ion: 97 Resp: 66
 Ion Ratio Lower Upper
 97 100
 83 0.0 66.0 99.0#
 85 0.0 44.4 66.6#
 99 0.0 51.4 77.0#



#59
 2-Hexanone
 Concen: 2.592 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. -0.04 min
 Lab File: VD064979.D
 Acq: 28 Jan 2020 15:22

Tgt Ion: 43 Resp: 84
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.5 79.4#

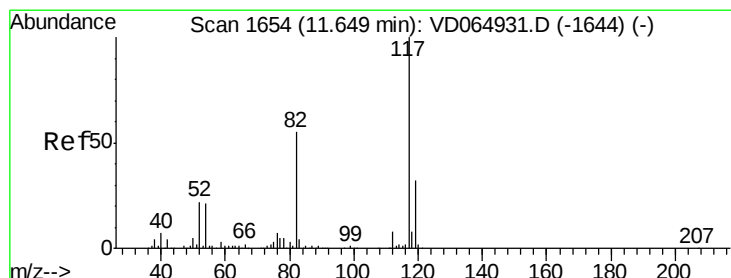
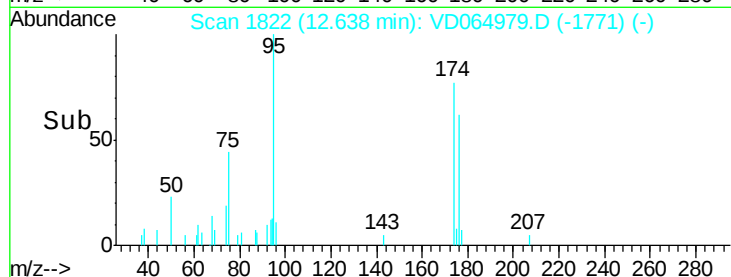
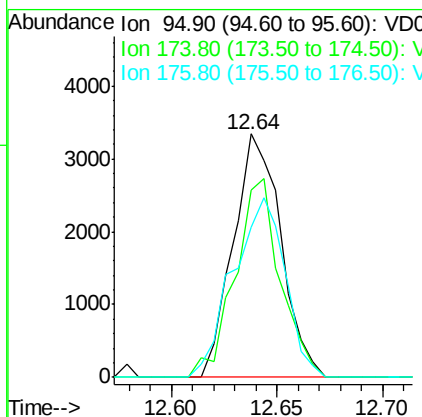
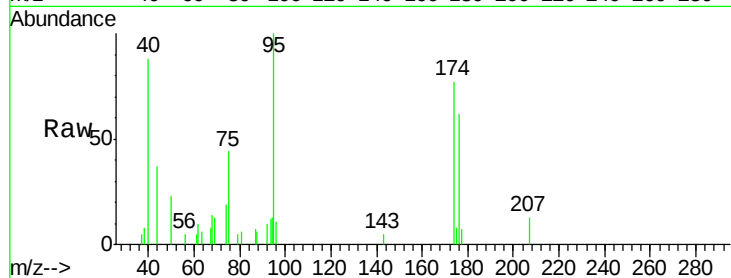




#62
4-Bromofluorobenzene
Concen: 56.653 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064979.D
Acq: 28 Jan 2020 15:22

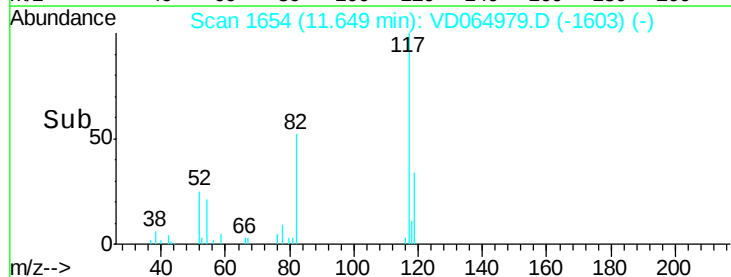
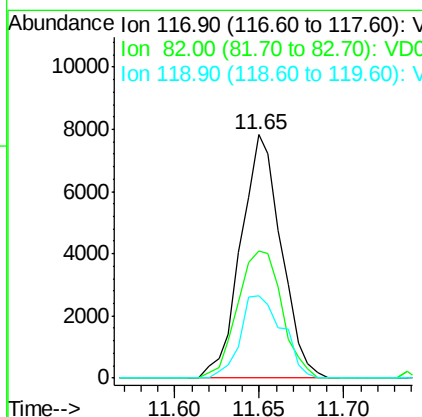
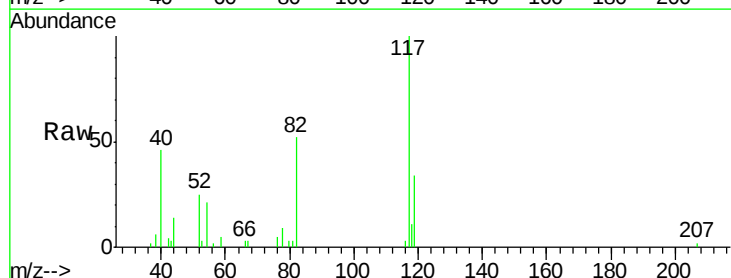
Instrument :
MSVOA_D
ClientSampleId :
CL-02-012420

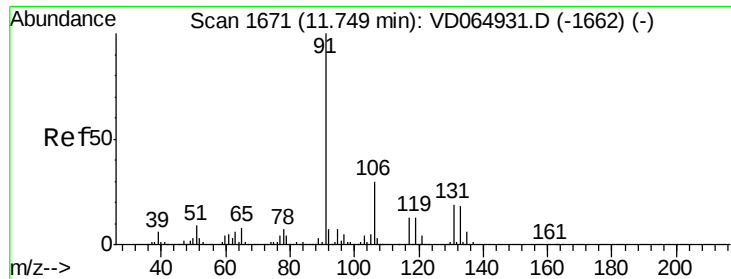
Tot Ion: 95 Resp: 5218
Ion Ratio Lower Upper
95 100
174 78.0 0.0 186.8
176 81.3 0.0 183.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064979.D
Acq: 28 Jan 2020 15:22

Tgt Ion: 117 Resp: 12989
Ion Ratio Lower Upper
117 100
82 52.0 43.6 65.4
119 33.9 25.2 37.8

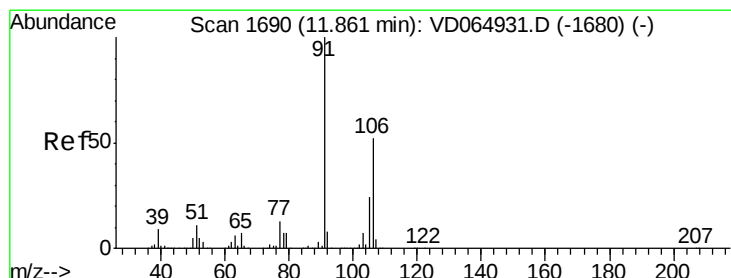
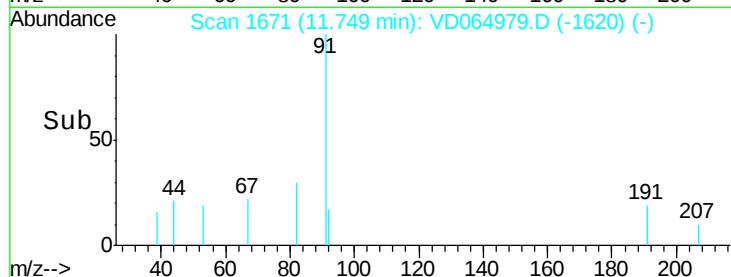
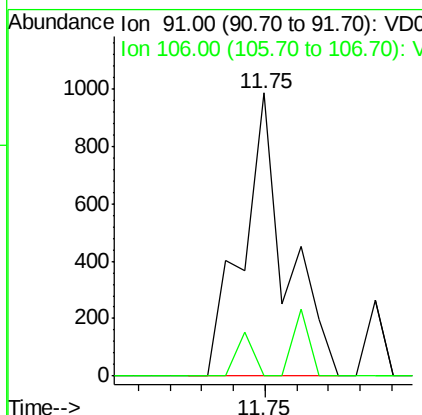
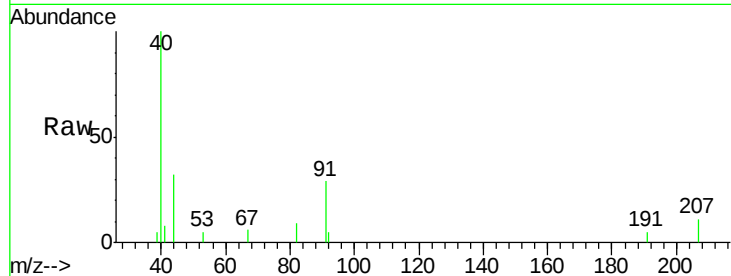




#67
Ethyl Benzene
Concen: 2.008 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064979.D
Acq: 28 Jan 2020 15:22

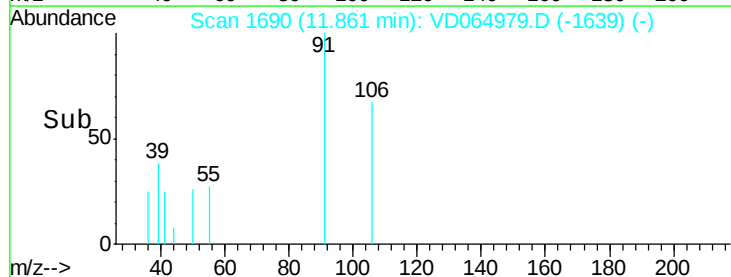
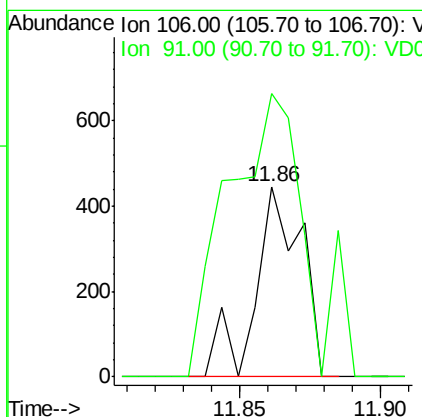
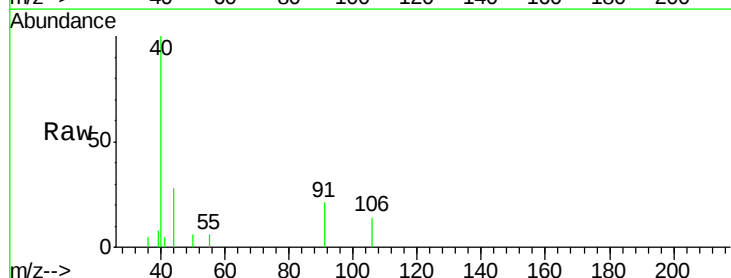
Instrument :
MSVOA_D
ClientSampleId :
CL-02-012420

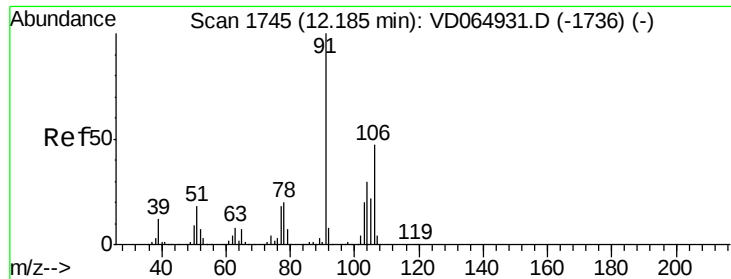
Tot Ion: 91 Resp: 940
Ion Ratio Lower Upper
91 100
106 0.0 24.3 36.5#



#68
m/p-Xylenes
Concen: 2.801 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD064979.D
Acq: 28 Jan 2020 15:22

Tgt Ion: 106 Resp: 505
Ion Ratio Lower Upper
106 100
91 251.3 159.0 238.4#

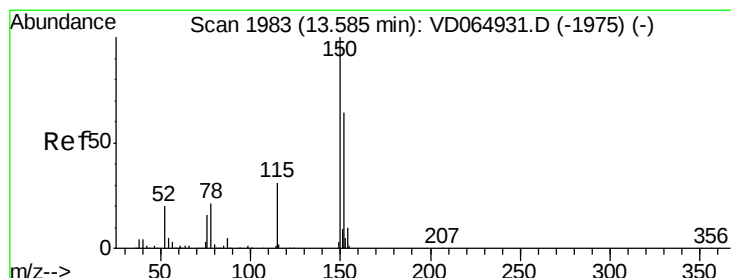
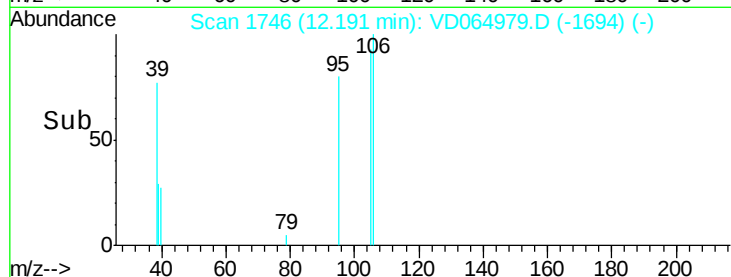
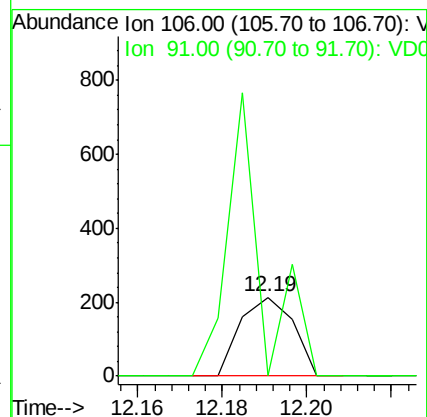
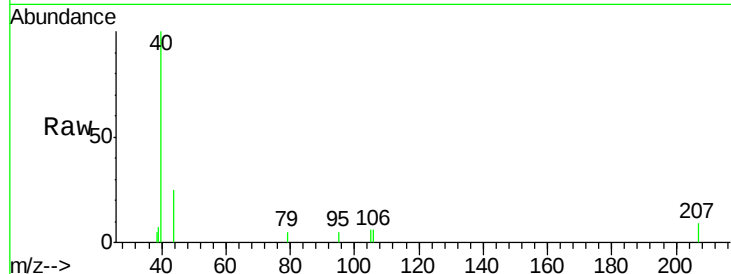




#69
o-Xylene
Concen: 1.163 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD064979.D
Acq: 28 Jan 2020 15:22

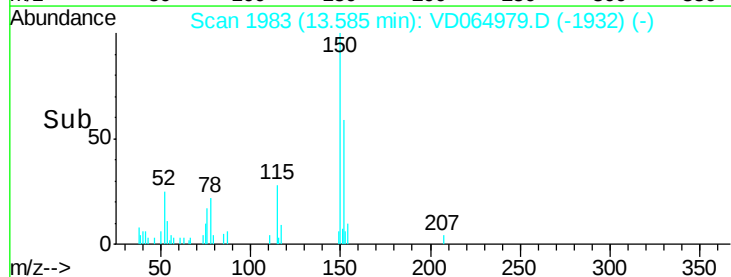
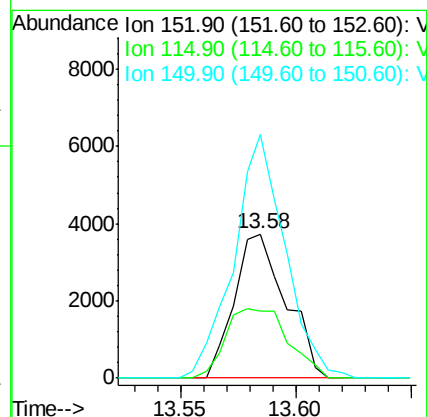
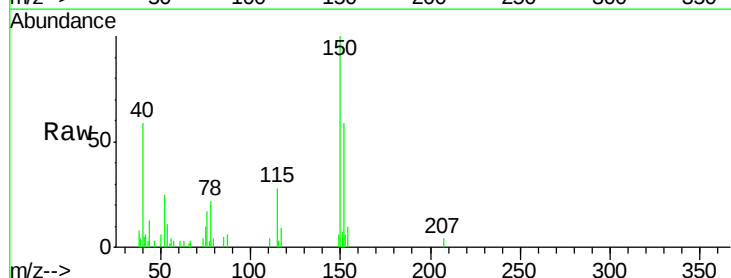
Instrument :
MSVOA_D
ClientSampleId :
CL-02-012420

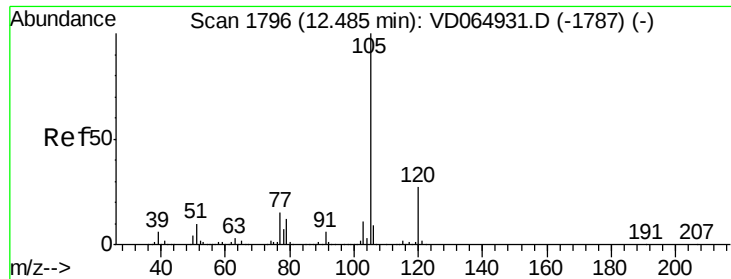
Tot Ion:106 Resp: 186
Ion Ratio Lower Upper
106 100
91 232.3 106.7 319.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064979.D
Acq: 28 Jan 2020 15:22

Tgt Ion:152 Resp: 5791
Ion Ratio Lower Upper
152 100
115 58.3 28.1 84.4
150 168.6 0.0 350.4





#73

Isopropylbenzene

Concen: 3.504 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

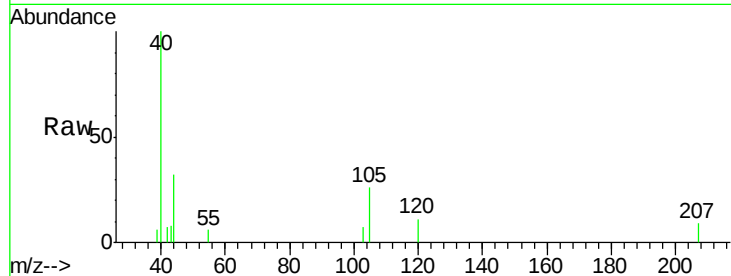
CL-02-012420

Tot Ion:105 Resp: 1387

Ion Ratio Lower Upper

105 100

120 23.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.49

800

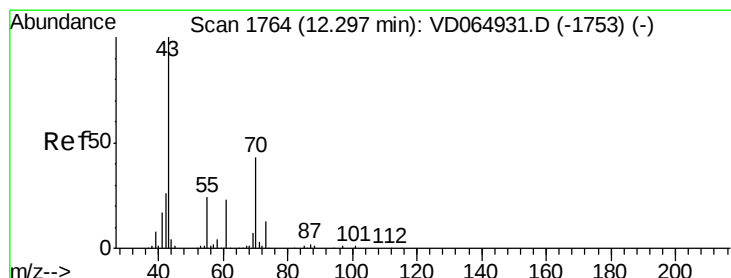
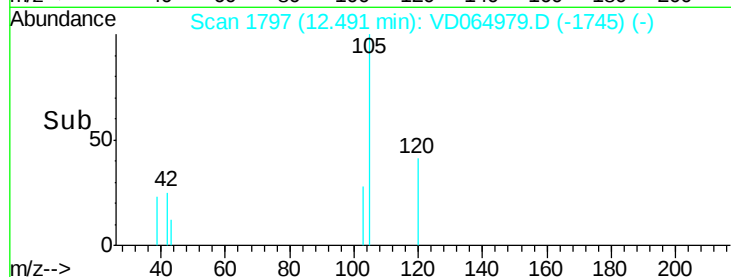
600

400

200

0

Time-->



#74

N-ethyl acetate

Concen: 1.479 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Tgt Ion: 43 Resp: 131

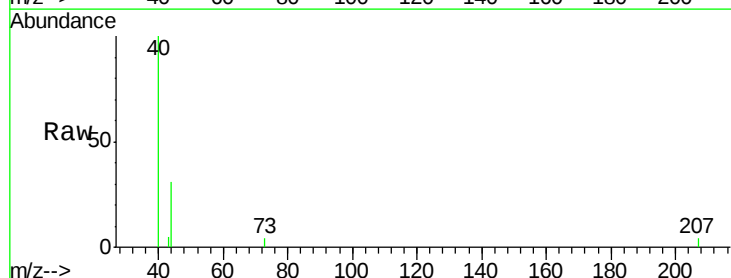
Ion Ratio Lower Upper

43 100

70 0.0 32.6 49.0#

55 0.0 19.9 29.9#

61 0.0 18.3 27.5#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500

400

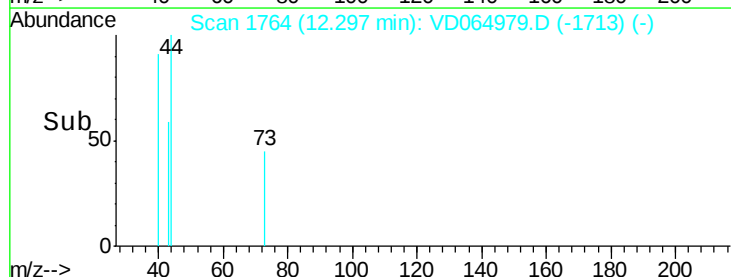
300

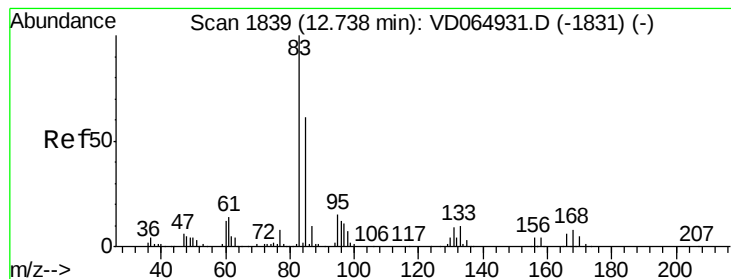
200

100

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 4.299 ug/l

RT: 12.80 min Scan# 1850

Delta R.T. 0.06 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-012420

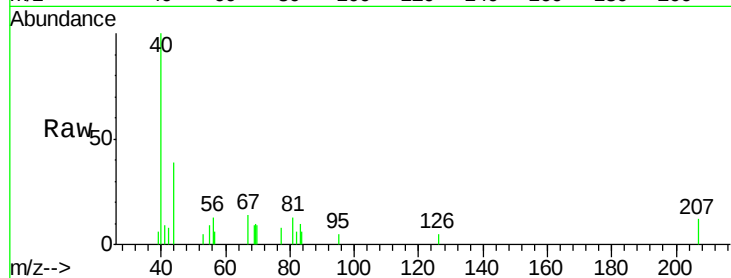
Tot Ion: 83 Resp: 286

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

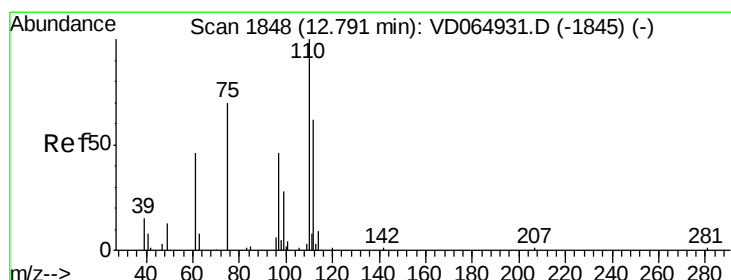
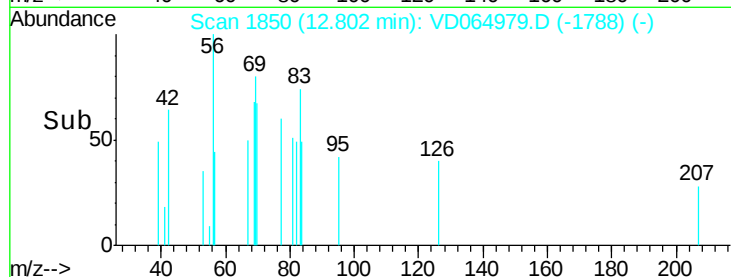
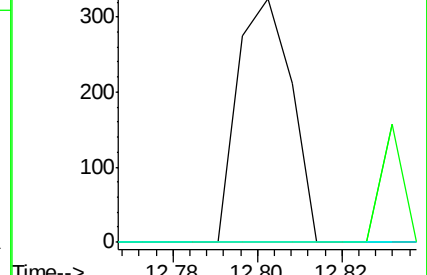
85 0.0 31.6 94.7#



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: 65.431 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.16 min

Lab File: VD064979.D

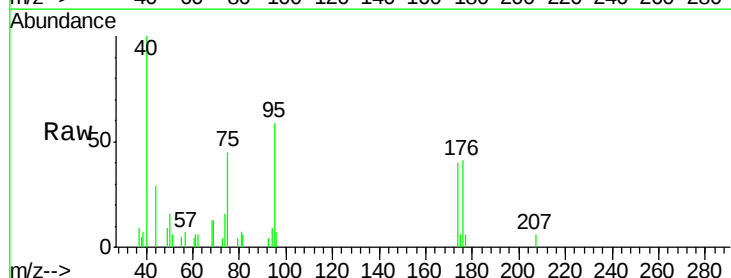
Acq: 28 Jan 2020 15:22

Tgt Ion: 75 Resp: 3145

Ion Ratio Lower Upper

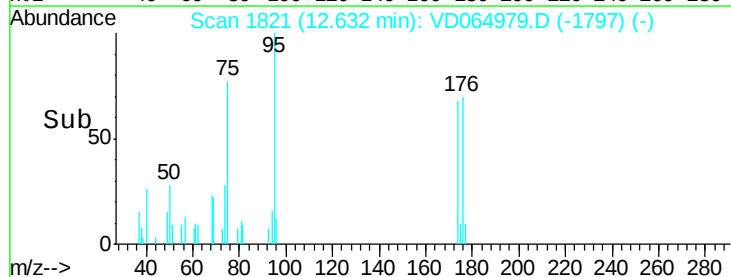
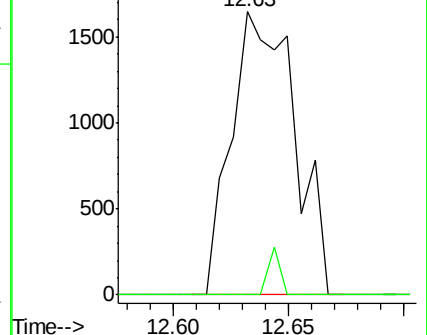
75 100

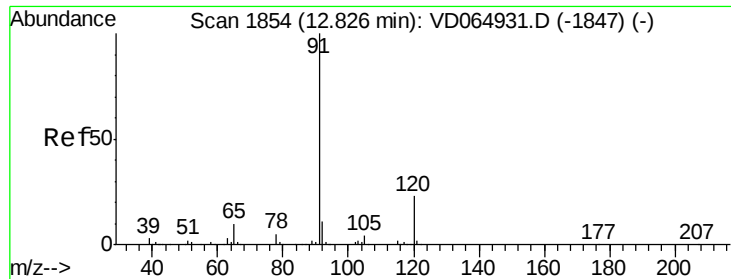
77 3.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#78

n-propylbenzene

Concen: 5.815 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

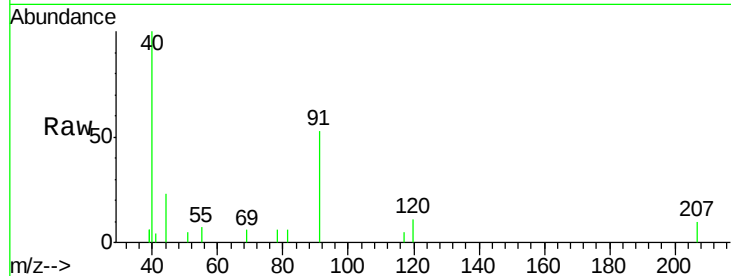
CL-02-012420

Tot Ion: 91 Resp: 2737

Ion Ratio Lower Upper

91 100

120 29.6 11.7 35.1

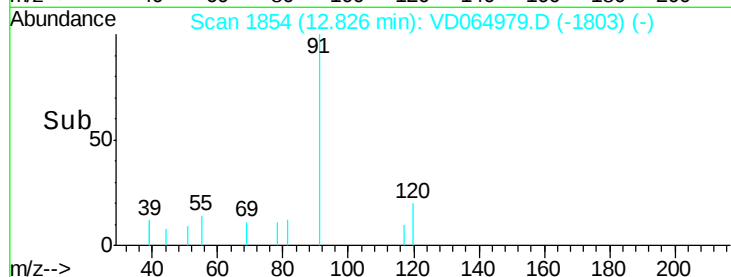


Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1847) (-)

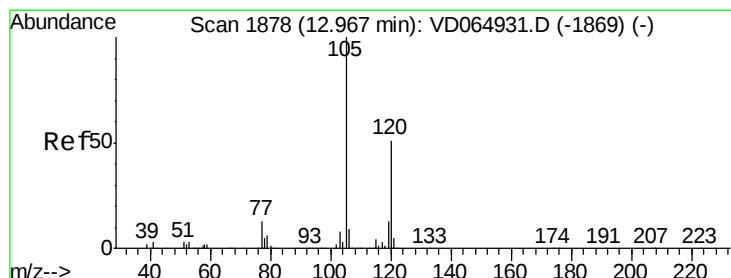
Ion 120.00 (119.70 to 120.70): VD064931.D (-1847) (-)

12.83

12.85



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.753 ug/l

RT: 13.14 min Scan# 1907

Delta R.T. 0.17 min

Lab File: VD064979.D

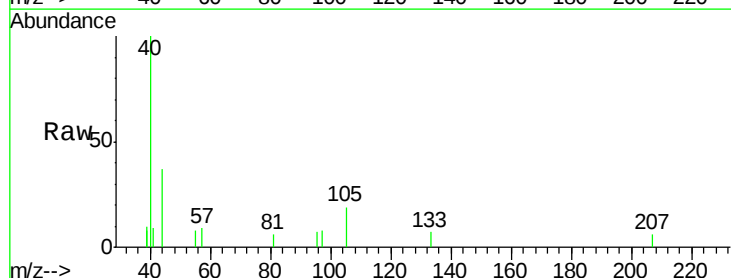
Acq: 28 Jan 2020 15:22

Tgt Ion: 105 Resp: 893

Ion Ratio Lower Upper

105 100

120 25.6 25.6 76.8

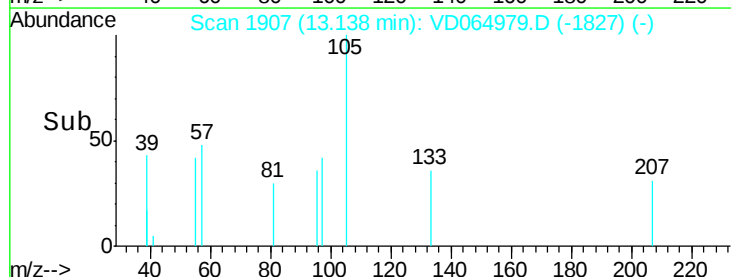


Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)

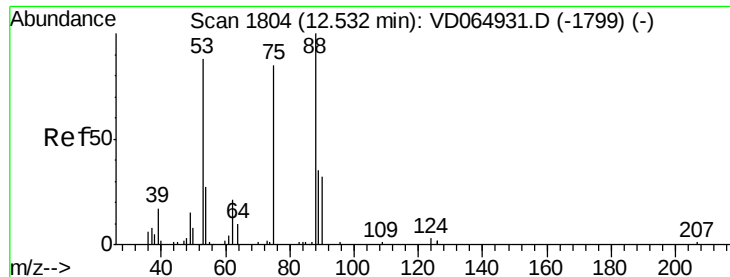
Ion 120.00 (119.70 to 120.70): VD064931.D (-1869) (-)

13.14

13.15



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 139.711 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-012420

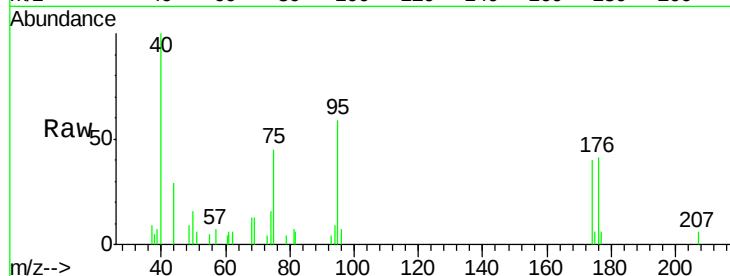
Tot Ion: 75 Resp: 3145

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

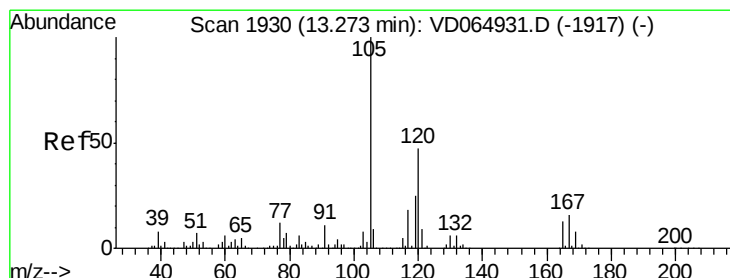
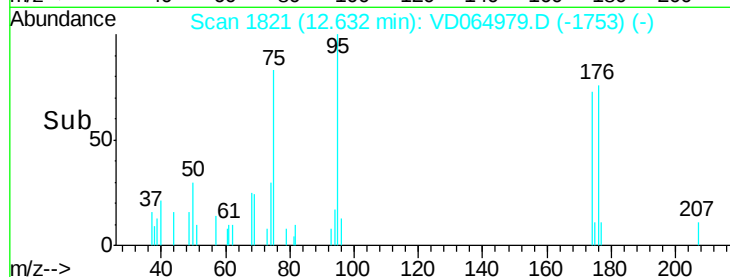
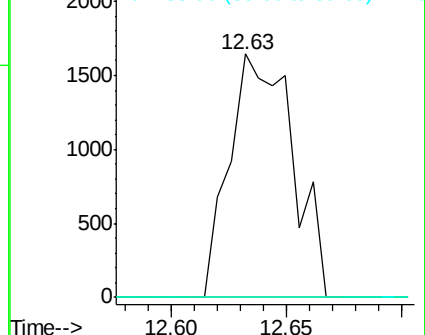
89 0.0 36.2 54.4#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.718 ug/l

RT: 13.14 min Scan# 1907

Delta R.T. -0.14 min

Lab File: VD064979.D

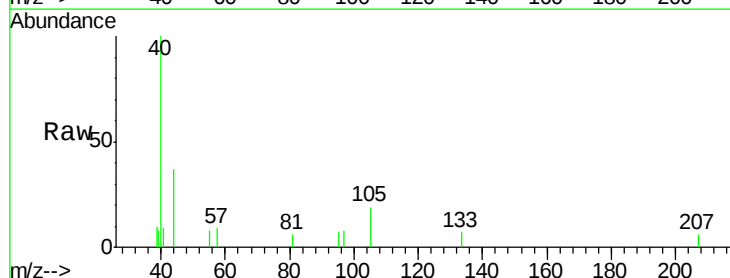
Acq: 28 Jan 2020 15:22

Tgt Ion: 105 Resp: 893

Ion Ratio Lower Upper

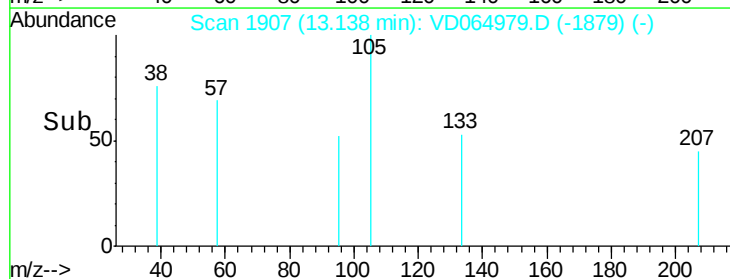
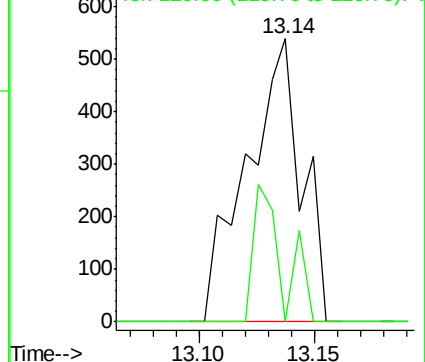
105 100

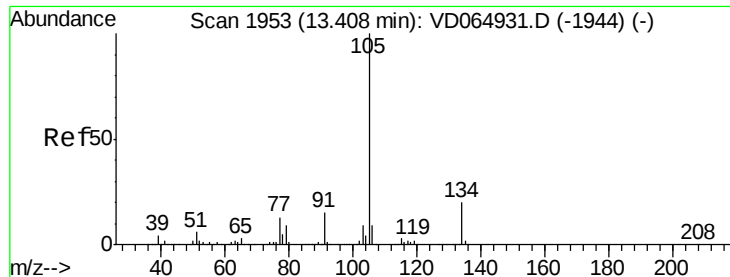
120 25.6 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.039 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

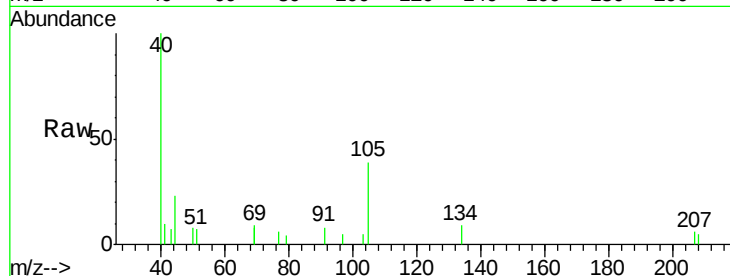
CL-02-012420

Tot Ion:105 Resp: 1964

Ion Ratio Lower Upper

105 100

134 37.7 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

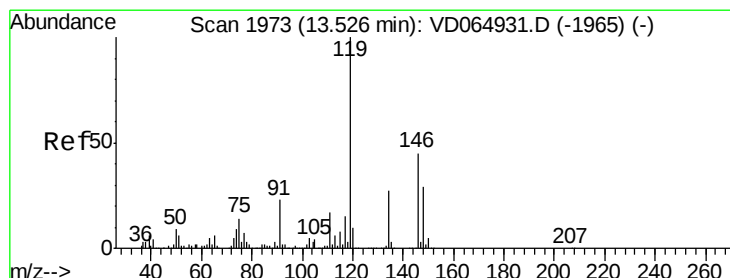
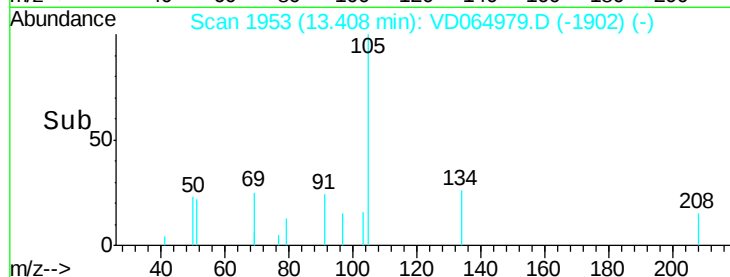
1500

1000

500

0

Time--> 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 1.950 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

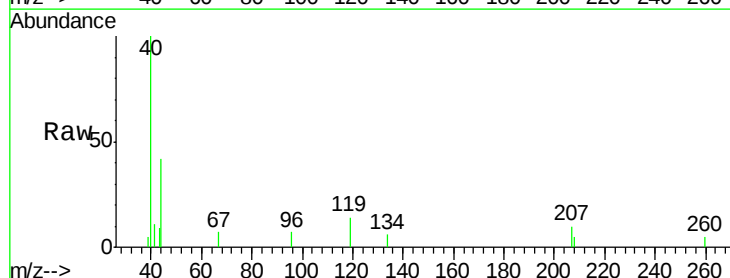
Tgt Ion:119 Resp: 711

Ion Ratio Lower Upper

119 100

134 33.6 13.3 39.9

91 30.7 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

13.53

600

500

400

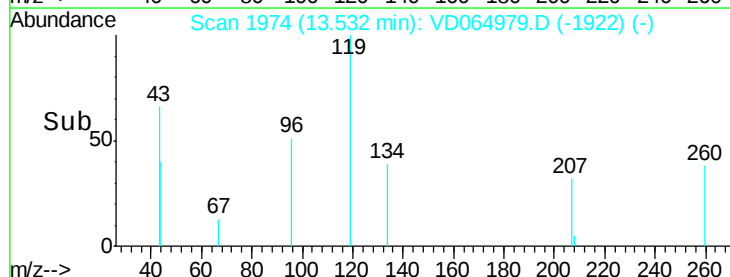
300

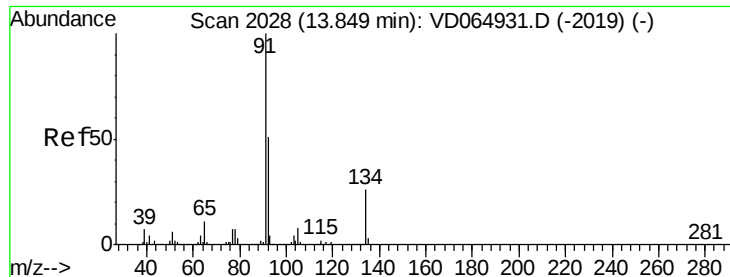
200

100

0

Time--> 13.50 13.55





#89

n-Butylbenzene

Concen: 6.484 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-012420

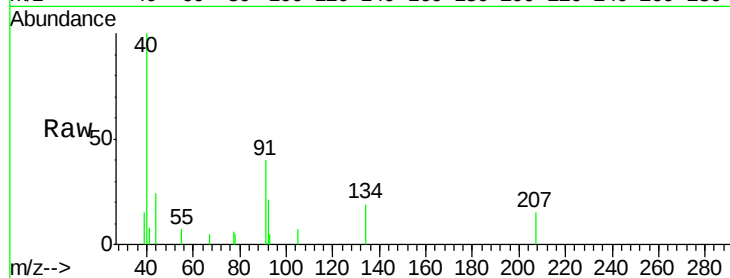
Tot Ion: 91 Resp: 2158

Ion Ratio Lower Upper

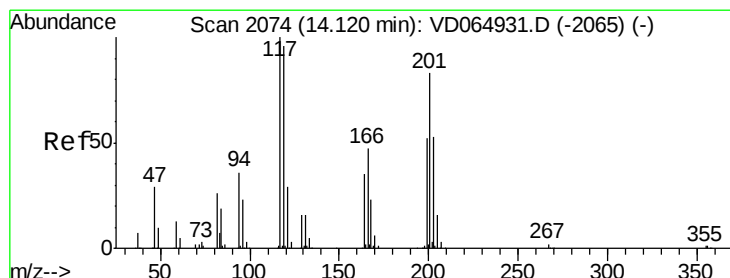
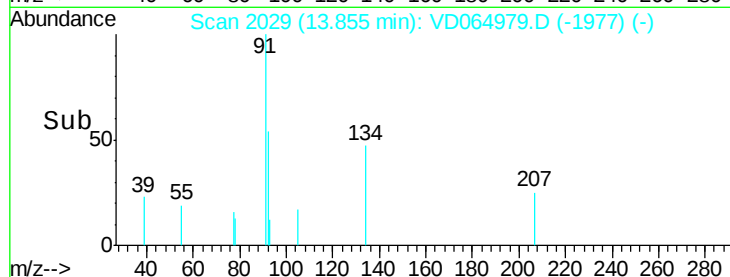
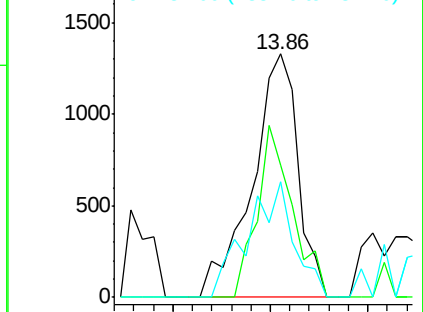
91 100

92 54.4 26.4 79.0

134 48.2 13.3 39.9#



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



#90

Hexachloroethane

Concen: 6.455 ug/l

RT: 14.13 min Scan# 2075

Delta R.T. 0.01 min

Lab File: VD064979.D

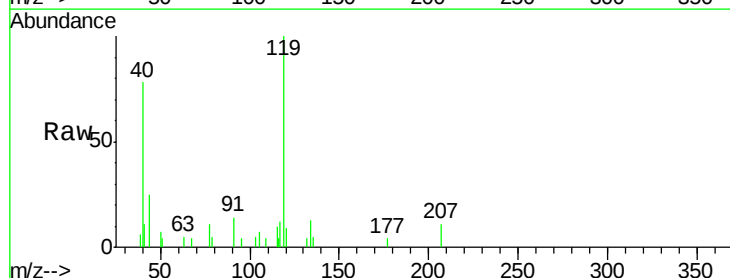
Acq: 28 Jan 2020 15:22

Tgt Ion: 117 Resp: 454

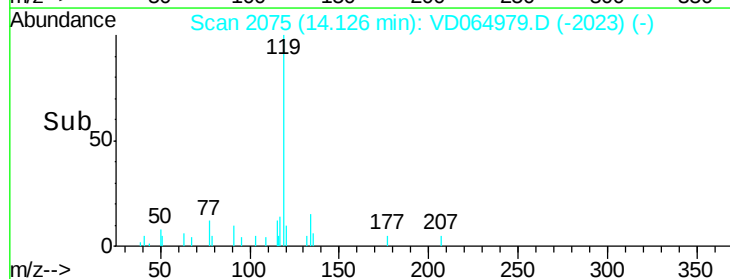
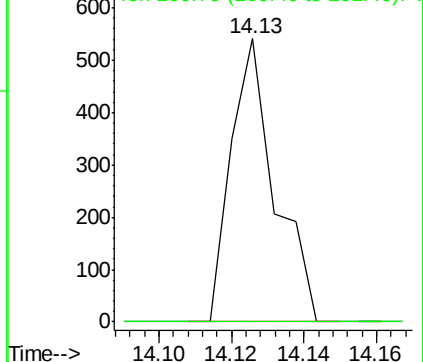
Ion Ratio Lower Upper

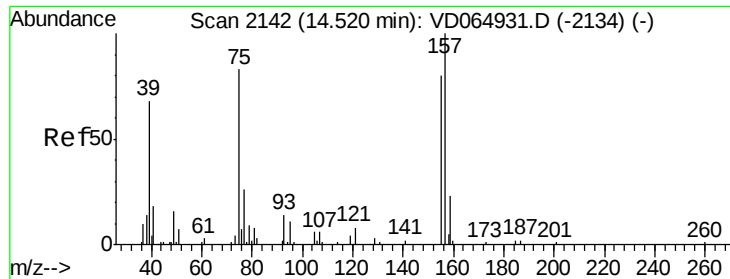
117 100

201 0.0 41.1 123.3#



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





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.166 ug/l

RT: 14.36 min Scan# 2115

Delta R.T. -0.16 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-012420

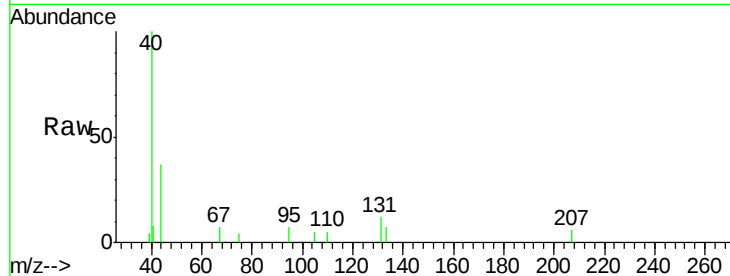
Tot Ion: 75 Resp: 55

Ion Ratio Lower Upper

75 100

155 0.0 44.9 134.7#

157 0.0 58.9 176.6#



Abundance Ion 74.90 (74.60 to 75.60): VD

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.36

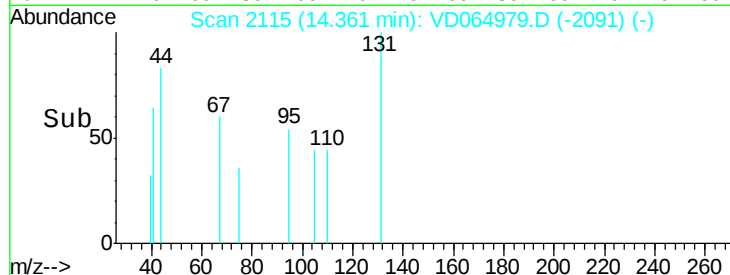
150

100

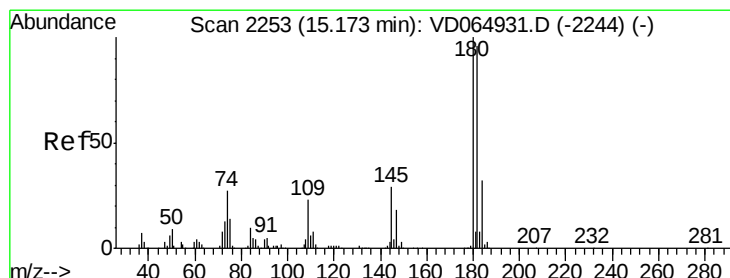
50

0

14.34 14.36 14.38



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.100 ug/l

RT: 15.18 min Scan# 2254

Delta R.T. 0.01 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

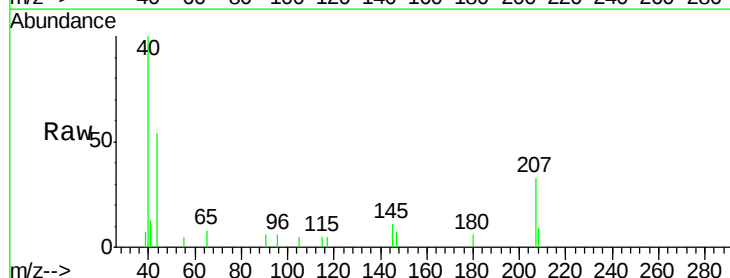
Tgt Ion: 180 Resp: 120

Ion Ratio Lower Upper

180 100

182 51.7 47.1 141.4

145 1135.8 14.1 42.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

800

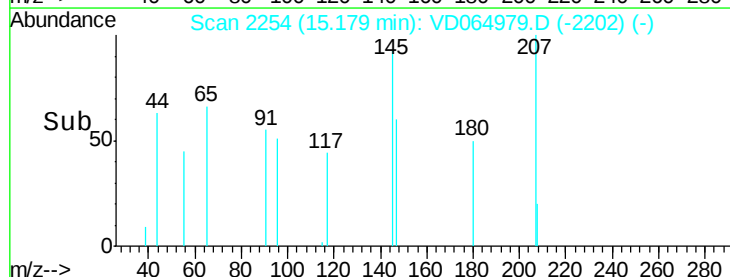
600

400

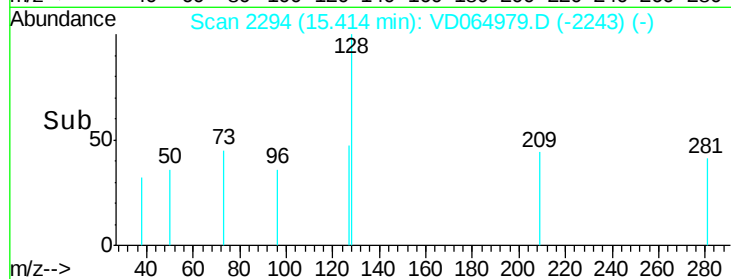
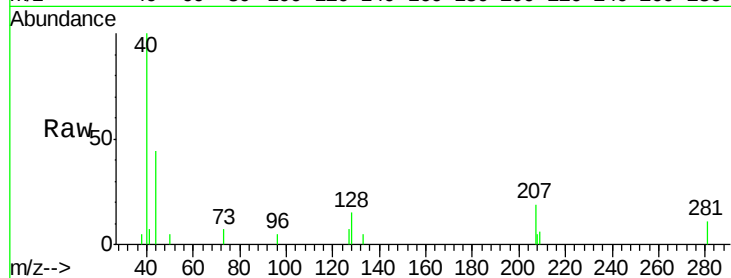
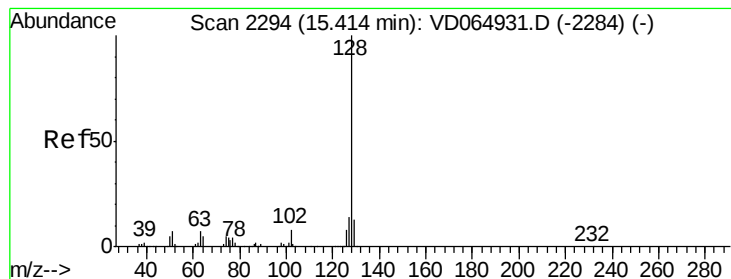
200

0

15.16 15.18



Time-->



#95

Naphthalene

Concen: 4.133 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064979.D

Acq: 28 Jan 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

CL-02-012420

Tot Ion:128 Resp: 728

Ion Ratio Lower Upper

128 100

127 34.9 10.6 15.8#

129 8.2 9.3 13.9#

