

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066568.D
 Acq On : 04 Sep 2020 17:35
 Operator : VA/SY
 Sample : L3916-01
 Misc : 6.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1

Quant Time: Sep 05 03:48:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	381734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	677818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	592581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214102	50.00	ug/l	0.00

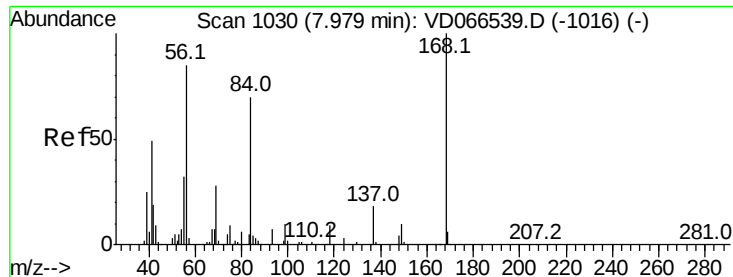
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	241451	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
35) Dibromofluoromethane	7.91	113	227034	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.34	98	819778	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.63	95	244192	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	286	Below Cal	#	46
5) Bromomethane	2.79	94	731	Below Cal	#	71
11) Tert butyl alcohol	5.22	59	1014	Below Cal	#	74
16) Acetone	4.16	43	1212	1.426	ug/l #	46
20) Methylene Chloride	4.97	84	19938	Below Cal	#	80
25) 2-Butanone	7.47	43	61964	54.317	ug/l #	51
29) Tetrahydrofuran	7.48	42	13427	18.899	ug/l #	35
31) Cyclohexane	7.98	56	10379	1.377	ug/l #	48
36) 1,1-Dichloropropene	7.97	75	35223	4.993	ug/l #	49
37) Ethyl Acetate	7.47	43	86974	30.964	ug/l #	68
38) Carbon Tetrachloride	7.97	117	42026	5.637	ug/l #	18
40) Benzene	8.35	78	28773	1.489	ug/l #	87
41) Methacrylonitrile	7.48	41	53895	39.638	ug/l #	42
51) 4-Methyl-2-Pentanone	10.34	43	4365	1.608	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	139387	67.694	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	139387	158.041	ug/l #	7
95) Naphthalene	15.41	128	42516	6.611	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066568.D

Acq: 04 Sep 2020 17:35

Instrument :

MSVOA_D

ClientSampled :

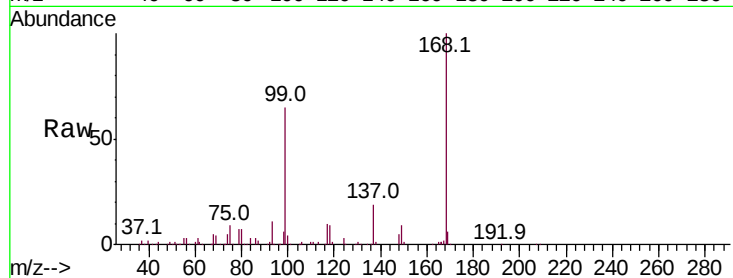
WC-1

Tot Ion:168 Resp: 381734

Ion Ratio Lower Upper

168 100

99 65.0 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

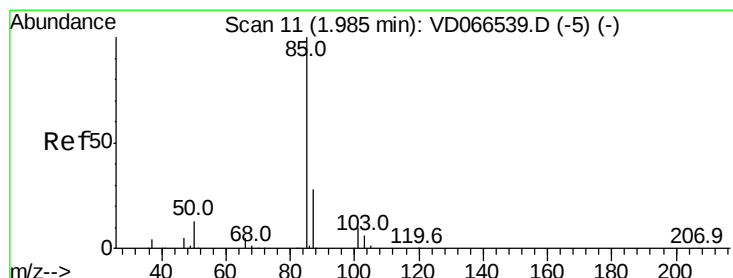
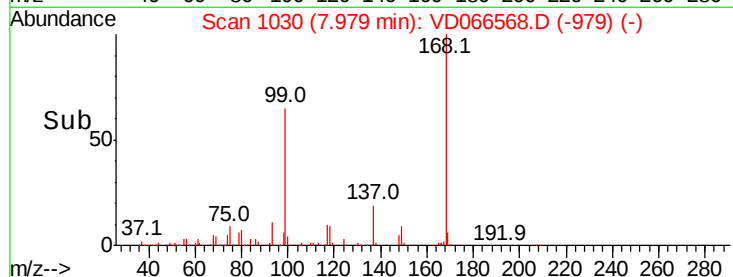
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066568.D

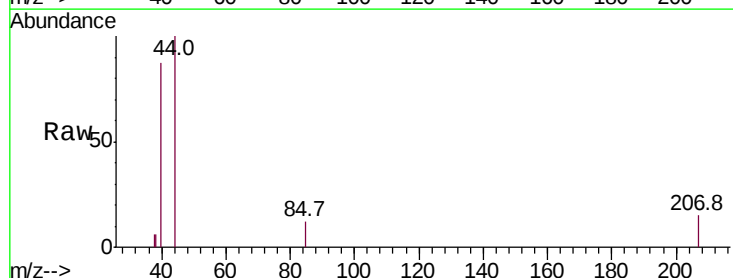
Acq: 04 Sep 2020 17:35

Tgt Ion: 85 Resp: 286

Ion Ratio Lower Upper

85 100

87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

500

400

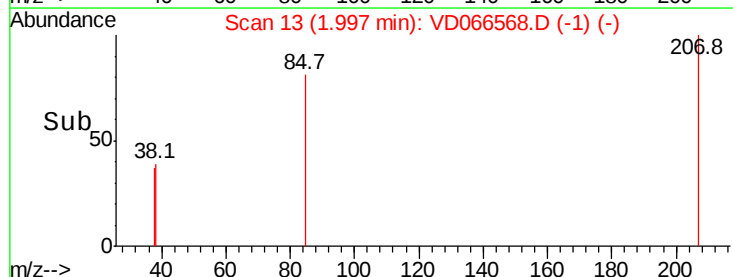
300

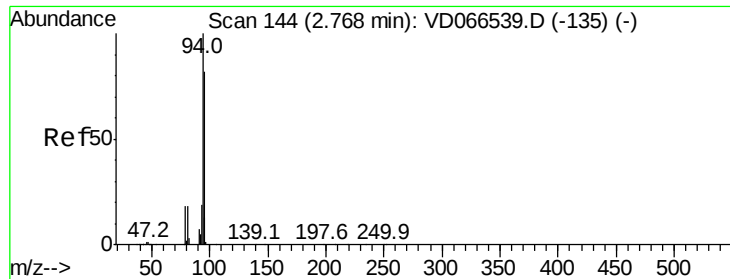
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD066568.D

Acq: 04 Sep 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

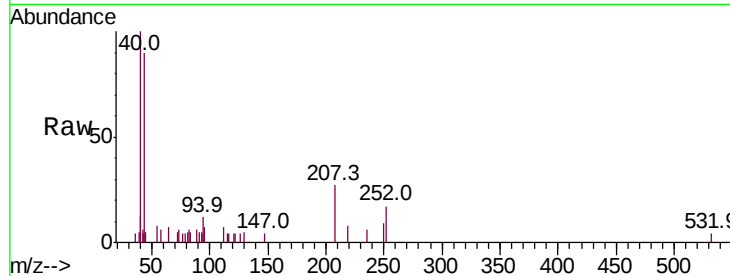
WC-1

Tot Ion: 94 Resp: 731

Ion Ratio Lower Upper

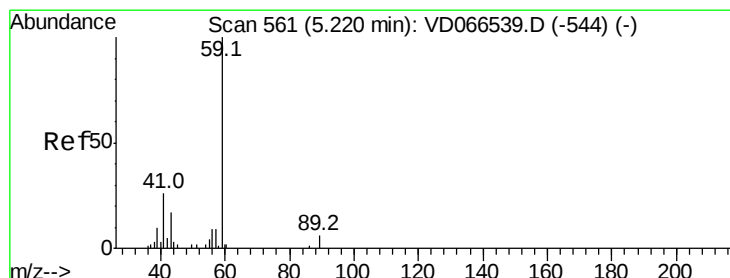
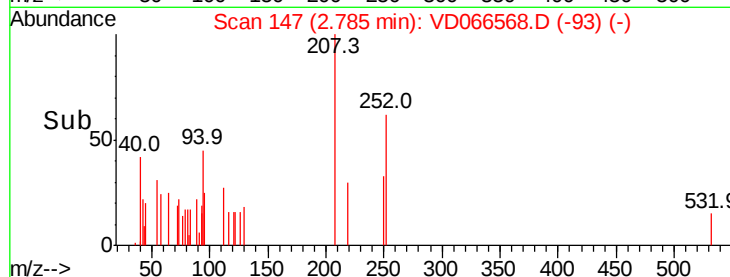
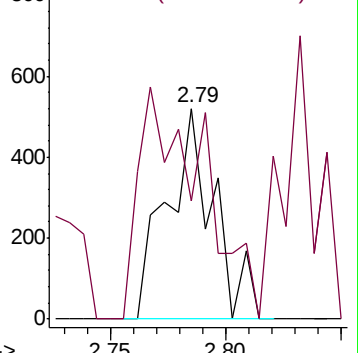
94 100

96 56.0 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD066568.D

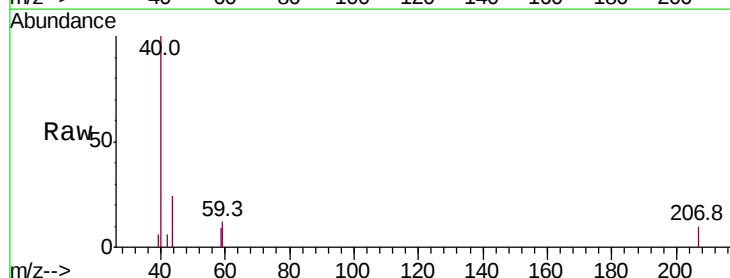
Acq: 04 Sep 2020 17:35

Tgt Ion: 59 Resp: 1014

Ion Ratio Lower Upper

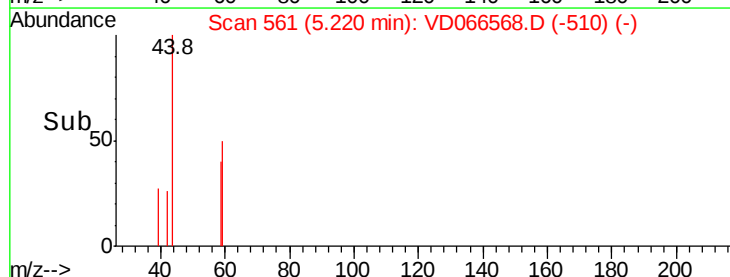
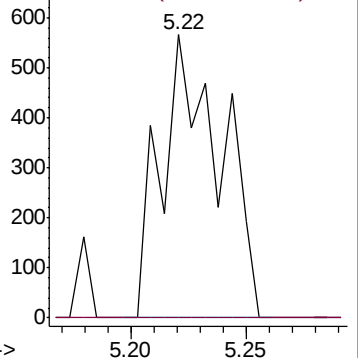
59 100

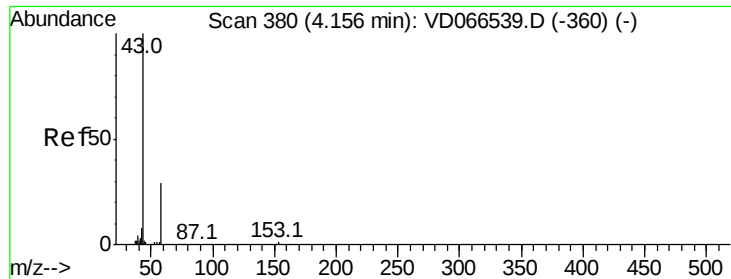
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

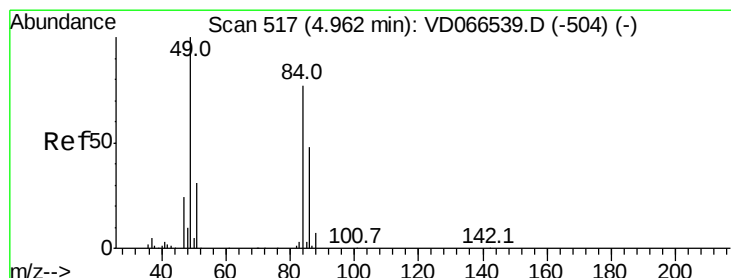
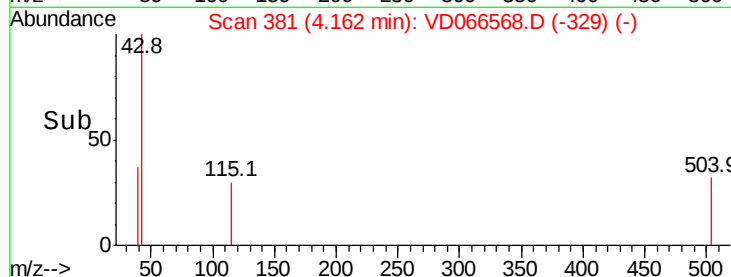
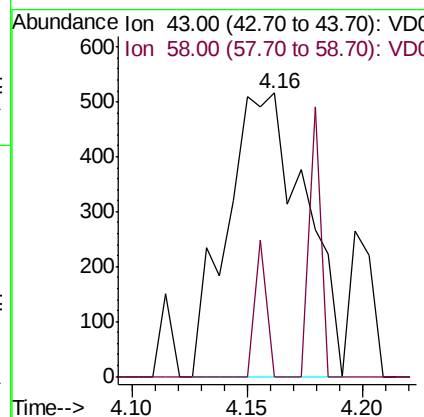
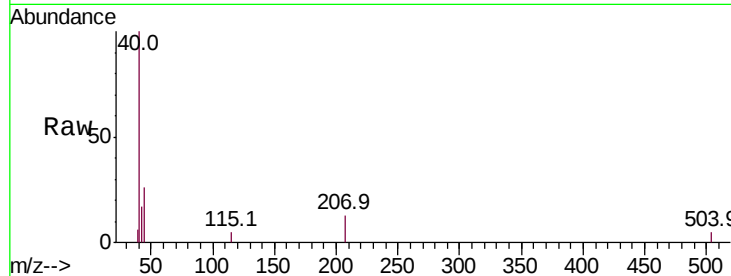




#16
Acetone
Concen: 1.426 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066568.D
Acq: 04 Sep 2020 17:35

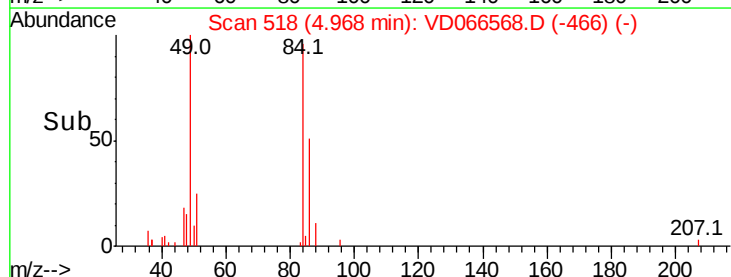
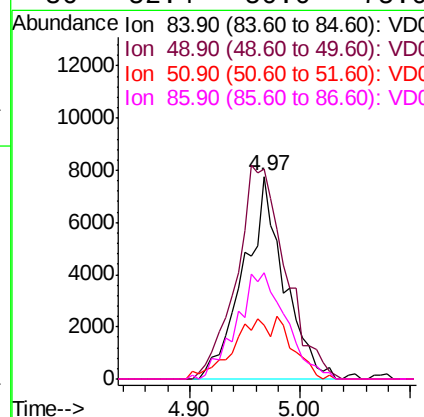
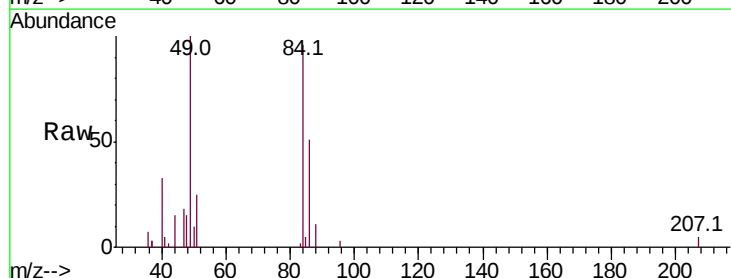
Instrument :
MSVOA_D
ClientSampled :
WC-1

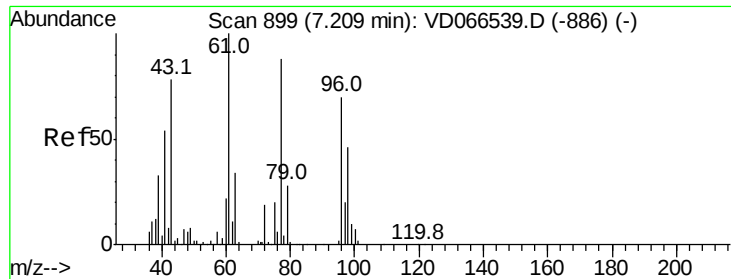
Tot Ion: 43 Resp: 1212
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066568.D
Acq: 04 Sep 2020 17:35

Tgt Ion: 84 Resp: 19938
Ion Ratio Lower Upper
84 100
49 103.6 104.3 156.5#
51 26.3 32.2 48.4#
86 52.4 50.0 75.0

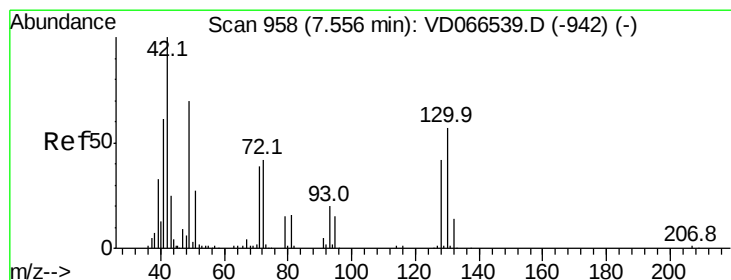
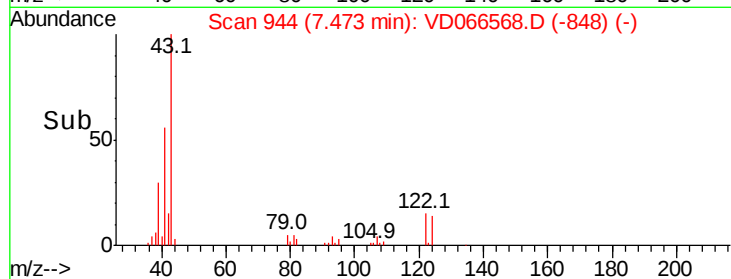
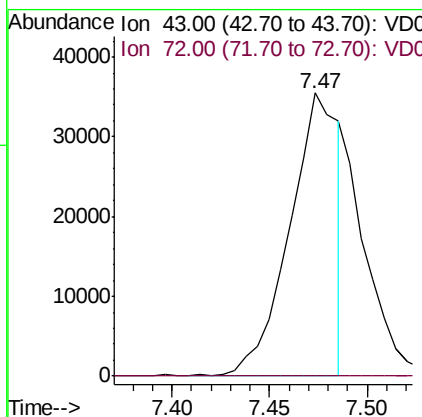
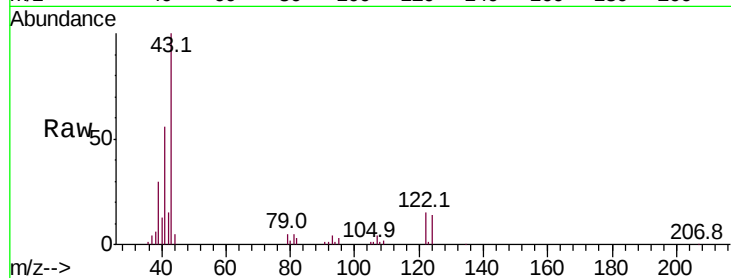




#25
2-Butanone
Concen: 54.317 ug/l
RT: 7.47 min Scan# 944
Delta R.T. 0.26 min
Lab File: VD066568.D
Acq: 04 Sep 2020 17:35

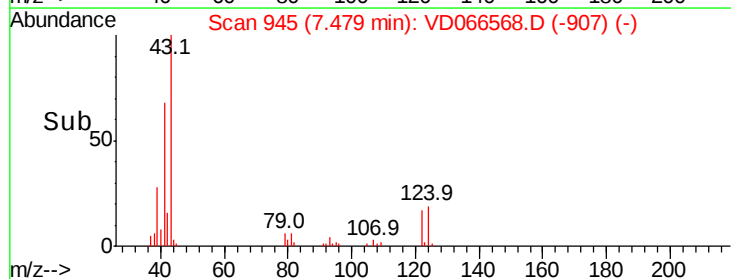
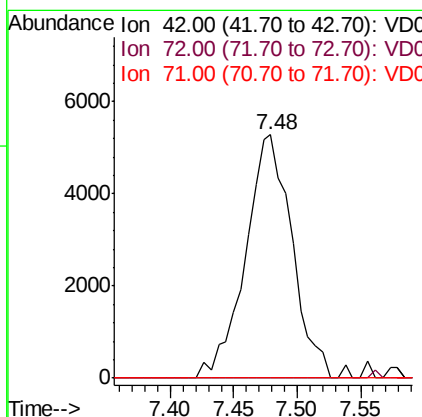
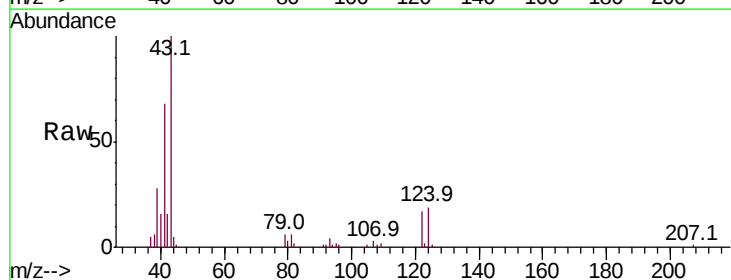
Instrument :
MSVOA_D
ClientSampleId :
WC-1

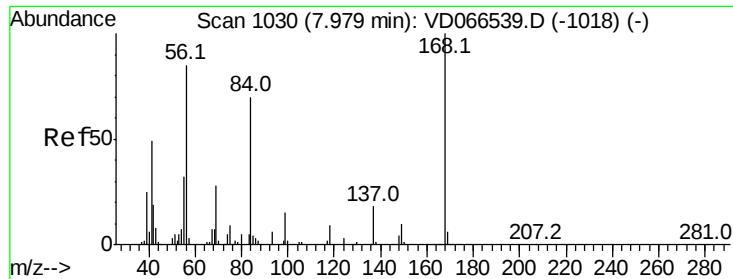
Tot Ion: 43 Resp: 61964
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#



#29
Tetrahydrofuran
Concen: 18.899 ug/l
RT: 7.48 min Scan# 945
Delta R.T. -0.08 min
Lab File: VD066568.D
Acq: 04 Sep 2020 17:35

Tgt Ion: 42 Resp: 13427
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.9 47.9#

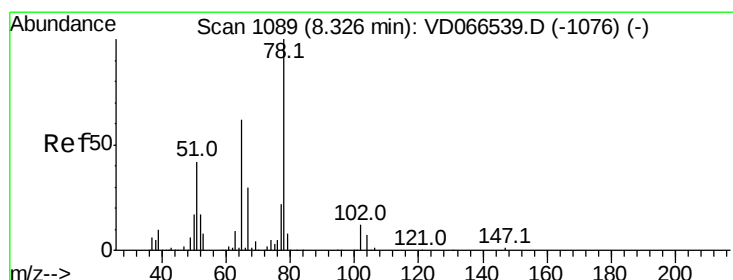
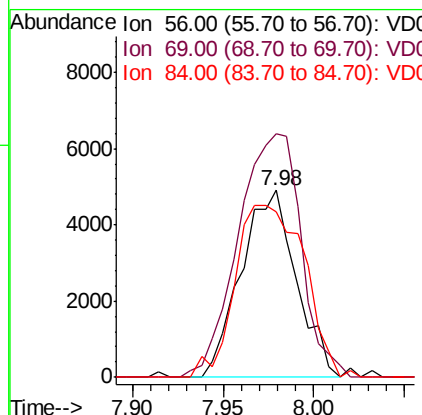
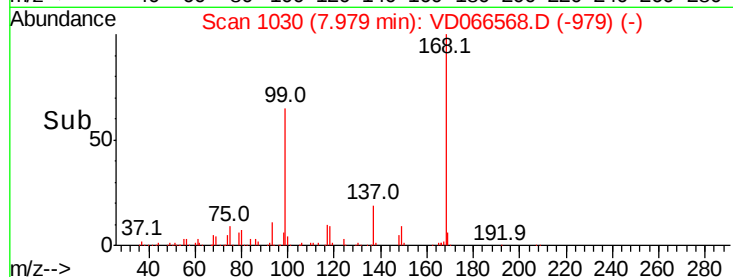
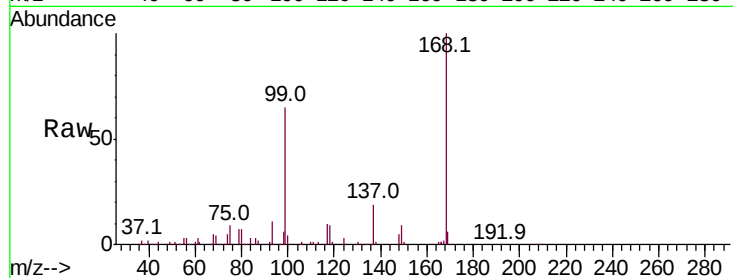




#31
Cyclohexane
Concen: 1.377 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066568.D
Acq: 04 Sep 2020 17:35

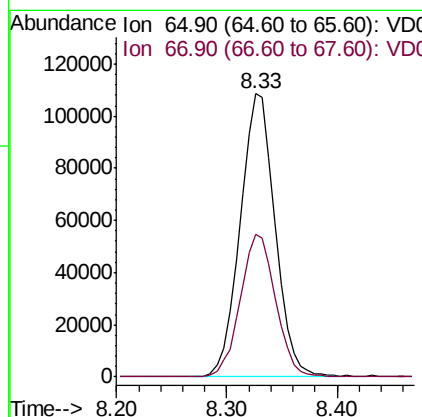
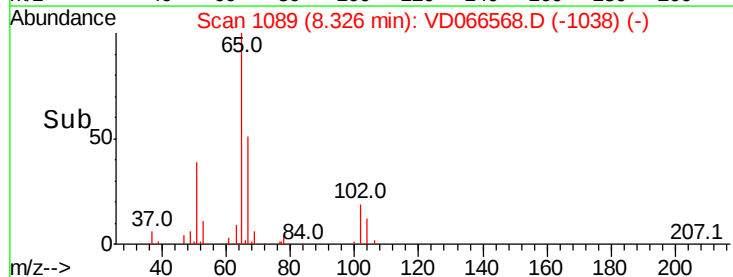
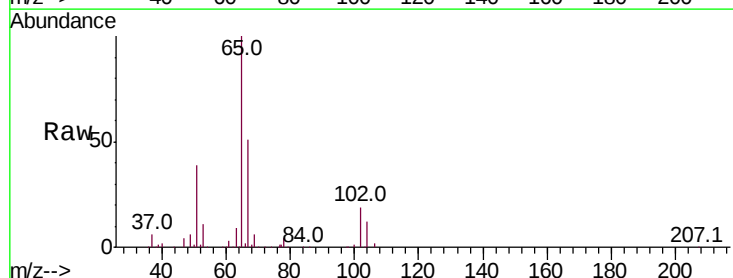
Instrument :
MSVOA_D
ClientSampleId :
WC-1

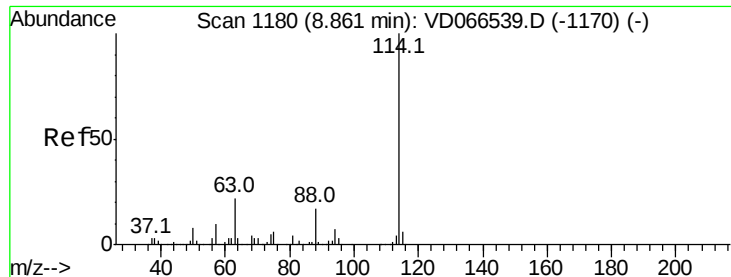
Tot Ion: 56 Resp: 10379
Ion Ratio Lower Upper
56 100
69 126.5 26.3 39.5#
84 88.4 66.1 99.1



#33
1,2-Dichloroethane-d4
Concen: 52.278 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VD066568.D
Acq: 04 Sep 2020 17:35

Tgt Ion: 65 Resp: 241451
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066568.D

Acq: 04 Sep 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

WC-1

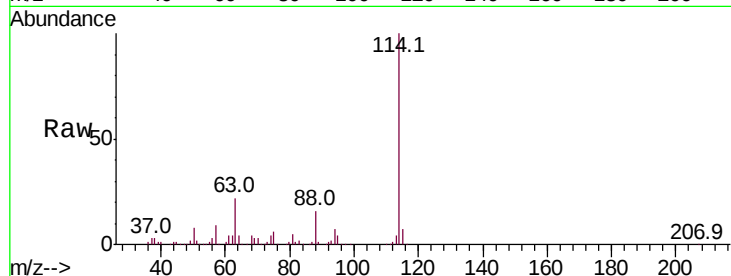
Tot Ion:114 Resp: 677818

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

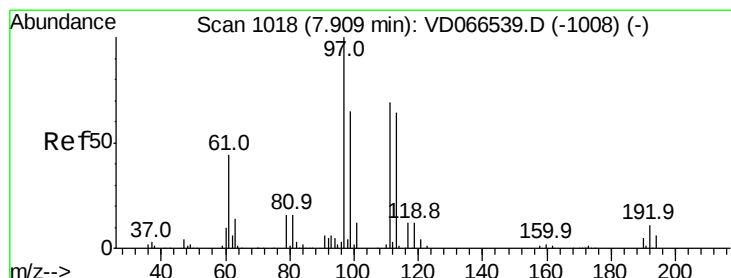
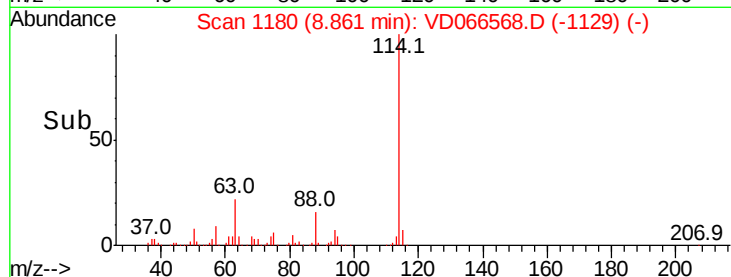
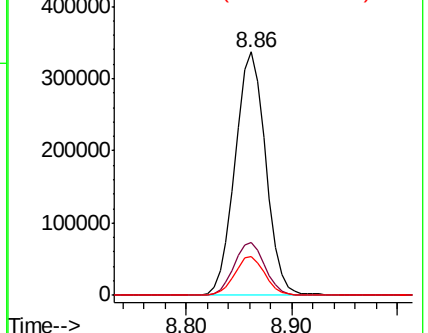
88 15.7 0.0 33.2



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: 49.651 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066568.D

Acq: 04 Sep 2020 17:35

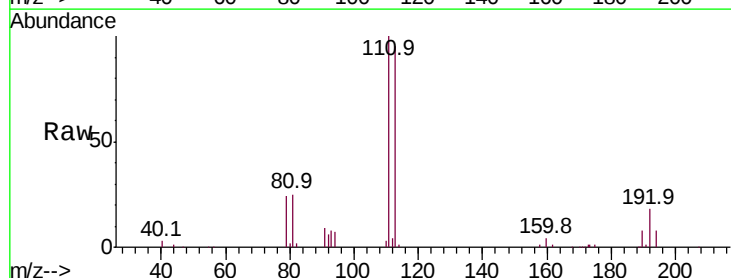
Tgt Ion:113 Resp: 227034

Ion Ratio Lower Upper

113 100

111 108.0 83.2 124.8

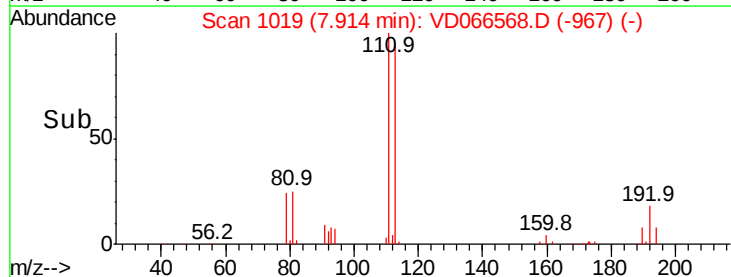
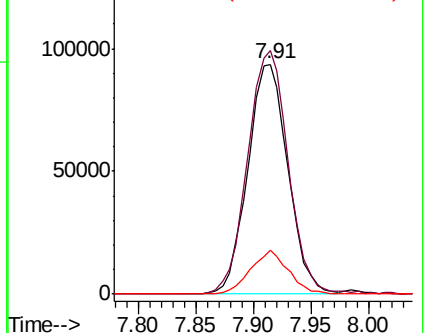
192 18.0 13.7 20.5

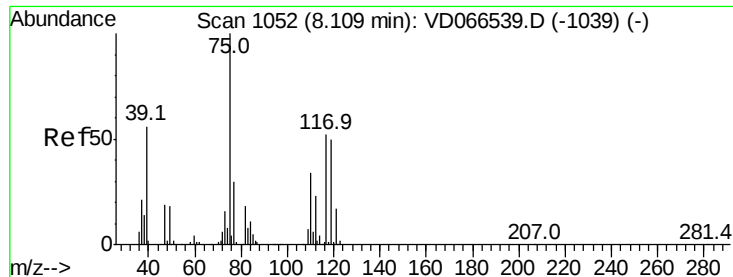


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

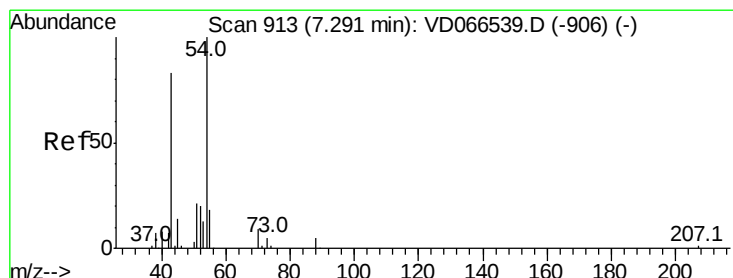
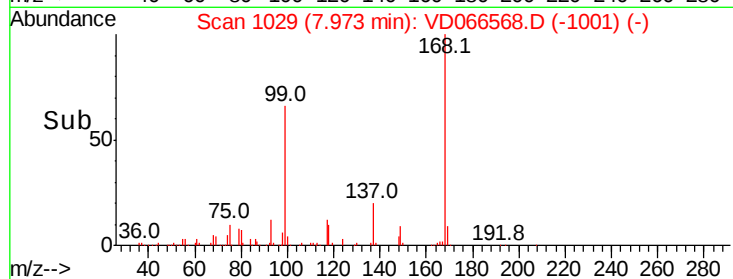
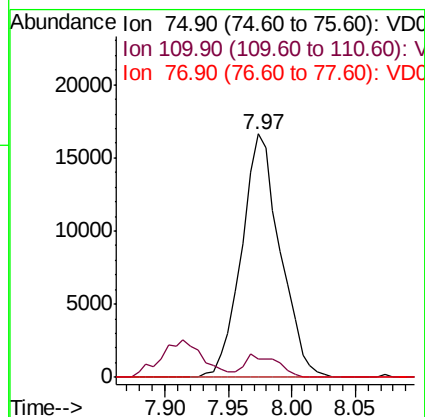
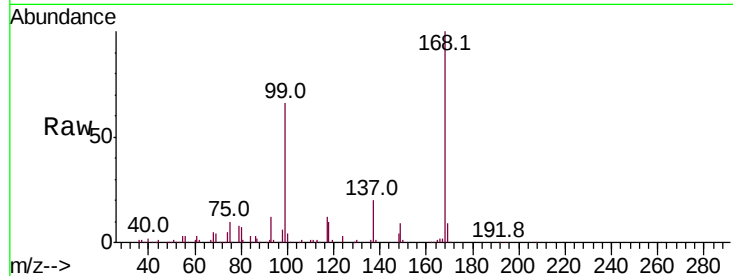




#36
 1,1-Dichloropropene
 Concen: 4.993 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066568.D
 Acq: 04 Sep 2020 17:35

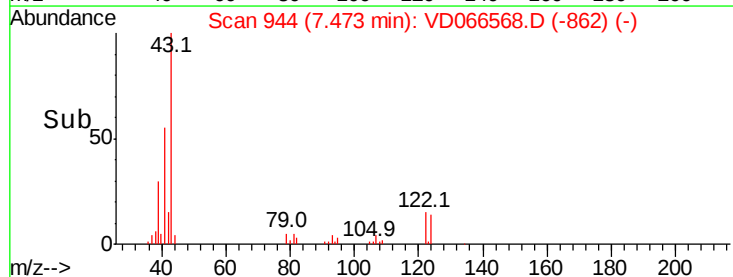
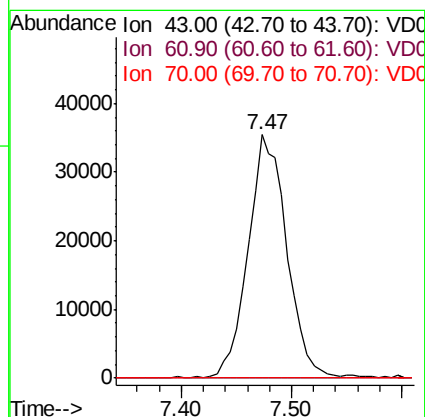
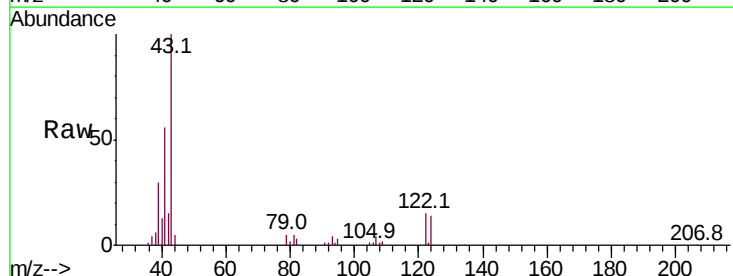
Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1

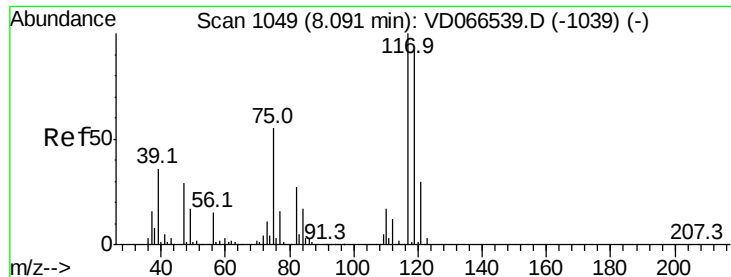
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.3	52.0#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 30.964 ug/l
 RT: 7.47 min Scan# 944
 Delta R.T. 0.18 min
 Lab File: VD066568.D
 Acq: 04 Sep 2020 17:35

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.8#
70	0.1	7.9	11.9#





#38

Carbon Tetrachloride

Concen: 5.637 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066568.D

Acq: 04 Sep 2020 17:35

Instrument :

MSVOA_D

ClientSampled :

WC-1

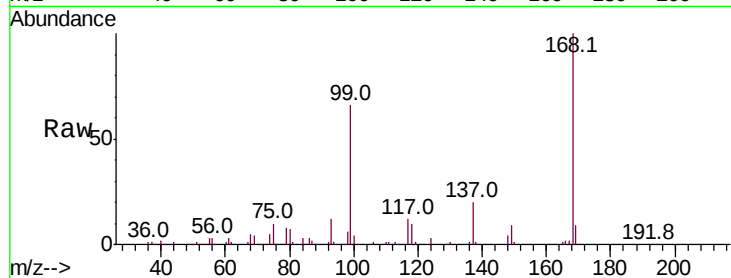
Tot Ion:117 Resp: 42026

Ion Ratio Lower Upper

117 100

119 6.2 73.9 110.9#

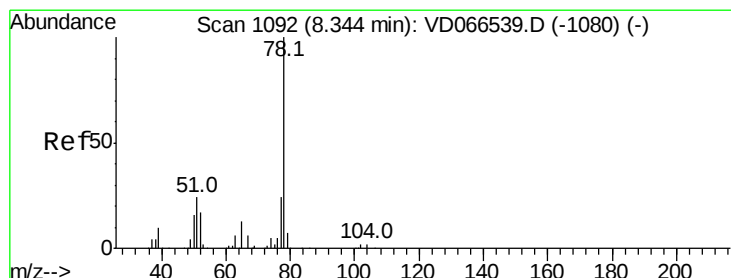
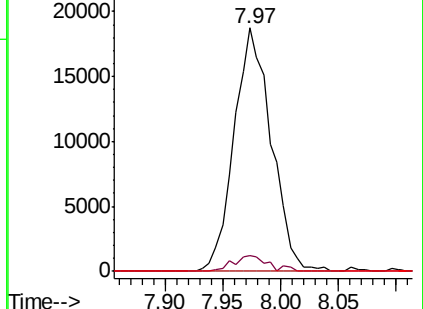
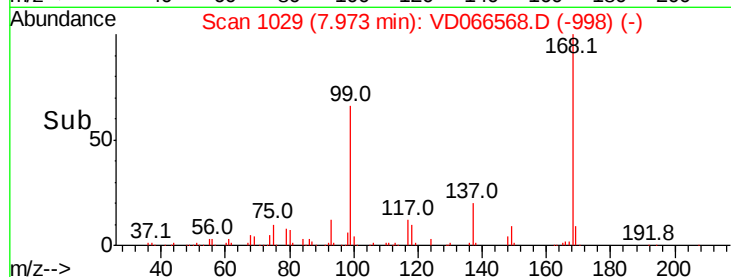
121 0.0 24.1 36.1#



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



#40

Benzene

Concen: 1.489 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD066568.D

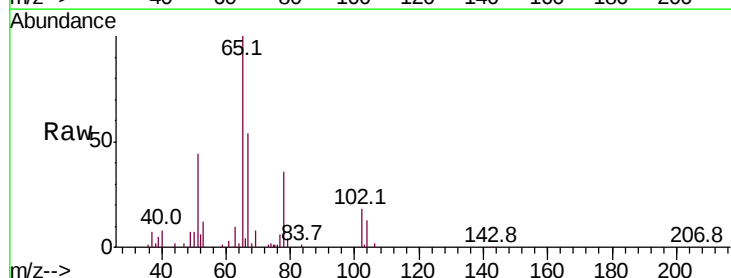
Acq: 04 Sep 2020 17:35

Tgt Ion: 78 Resp: 28773

Ion Ratio Lower Upper

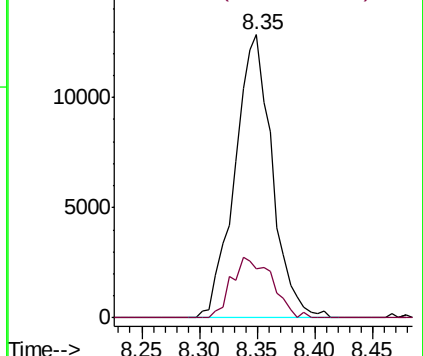
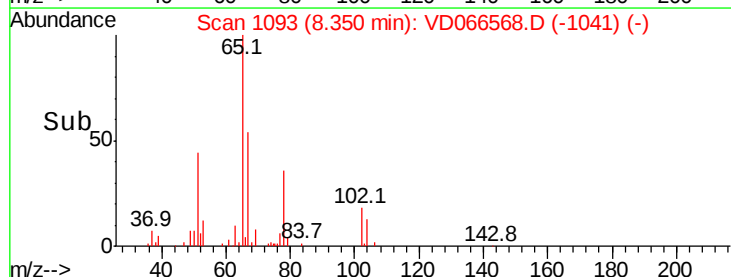
78 100

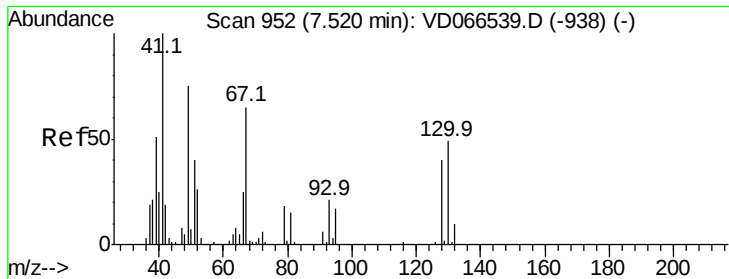
77 17.4 19.1 28.7#



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V

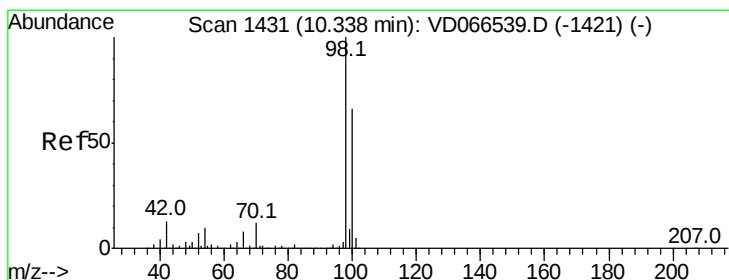
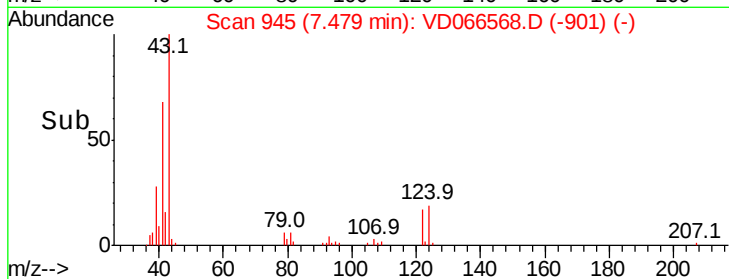
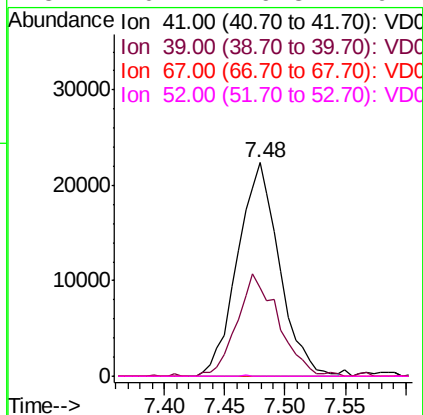
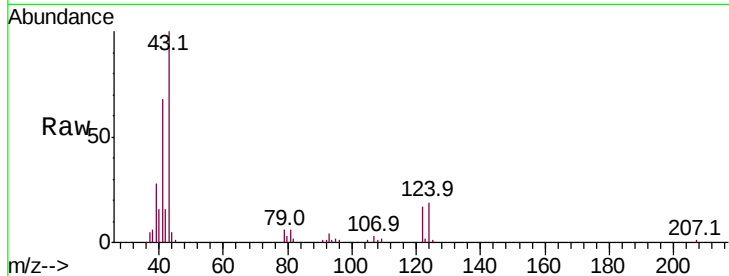




#41
Methacrylonitrile
Concen: 39.638 ug/l
RT: 7.48 min Scan# 945
Delta R.T. -0.04 min
Lab File: VD066568.D
Acq: 04 Sep 2020 17:35

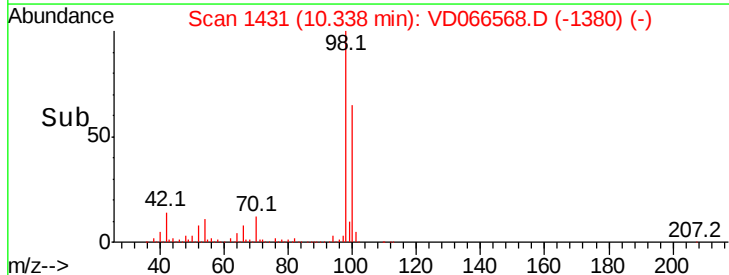
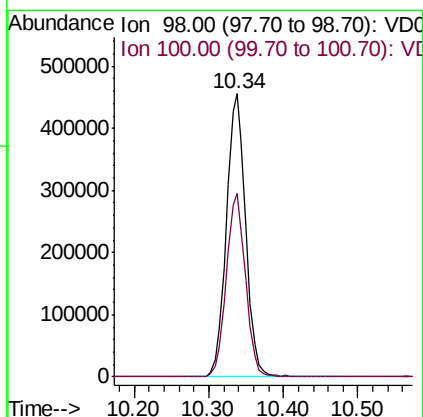
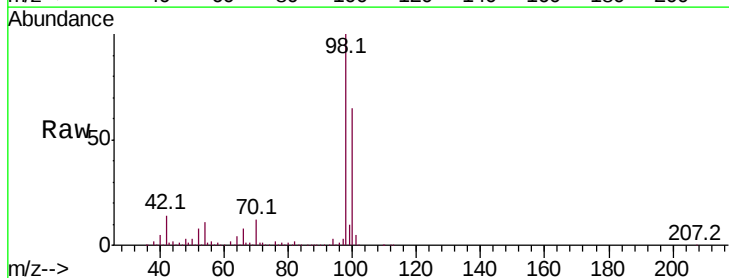
Instrument :
MSVOA_D
ClientSampleId :
WC-1

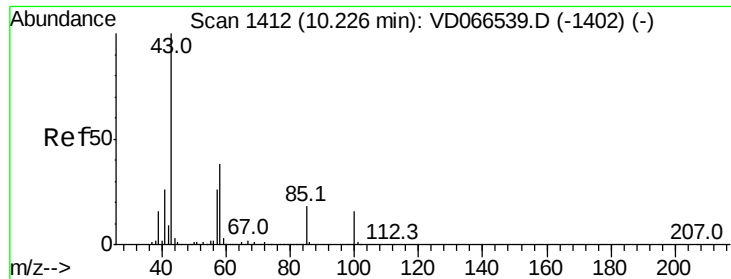
Tot Ion:	41	Resp:	53895
Ion	Ratio	Lower	Upper
41	100		
39	47.8	53.6	80.4#
67	0.0	59.2	88.8#
52	0.1	26.8	40.2#



#50
Toluene-d8
Concen: 50.160 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066568.D
Acq: 04 Sep 2020 17:35

Tgt Ion:	98	Resp:	819778
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 1.608 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066568.D

Acq: 04 Sep 2020 17:35

Instrument :

MSVOA_D

ClientSampleID :

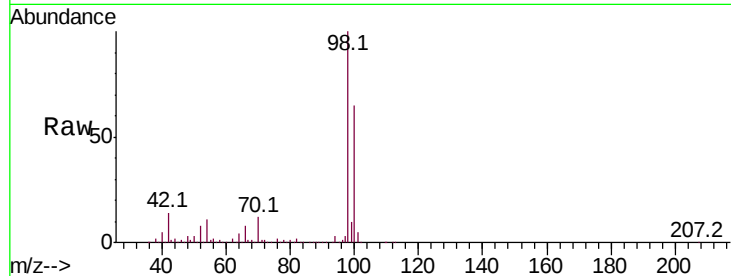
WC-1

Tot Ion: 43 Resp: 4365

Ion Ratio Lower Upper

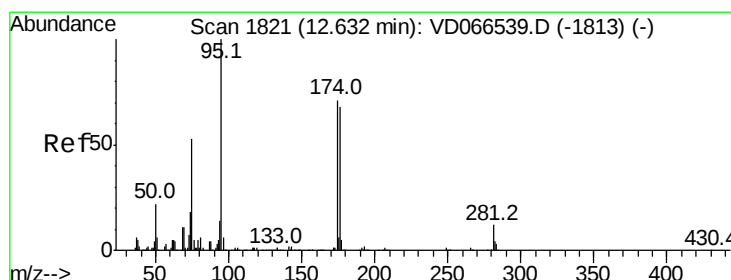
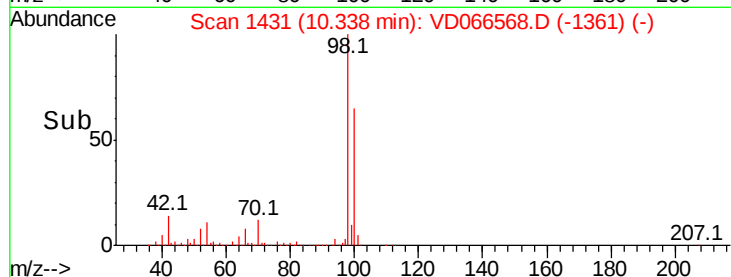
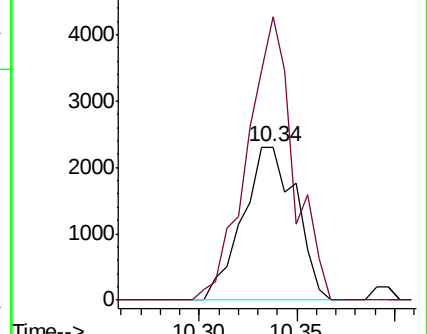
43 100

58 161.3 30.5 45.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 45.060 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066568.D

Acq: 04 Sep 2020 17:35

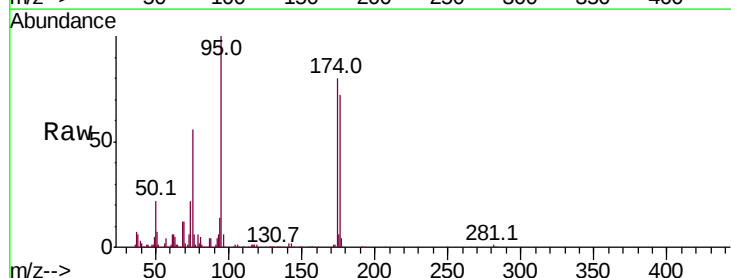
Tgt Ion: 95 Resp: 244192

Ion Ratio Lower Upper

95 100

174 77.6 0.0 155.8

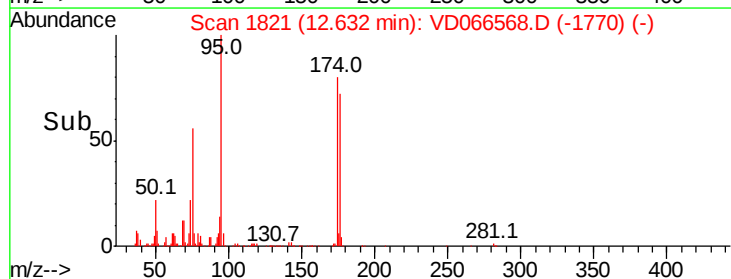
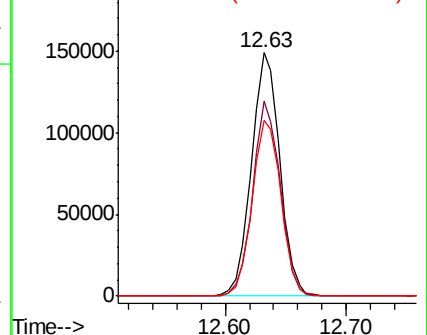
176 73.6 0.0 148.6

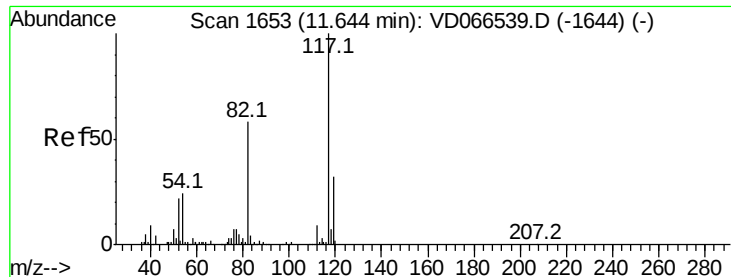


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

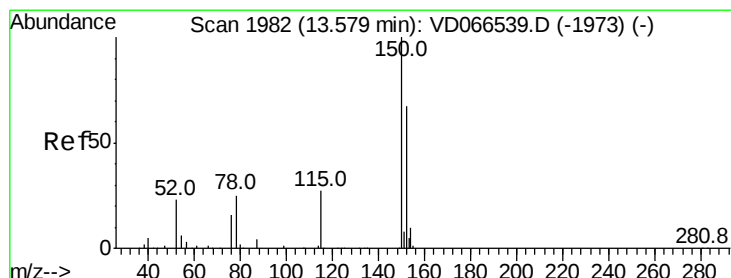
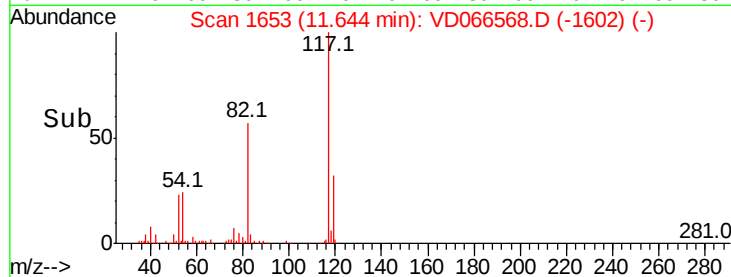
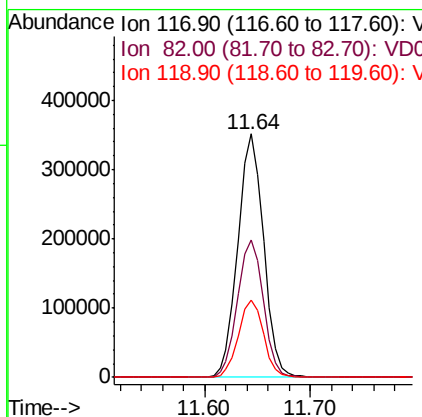
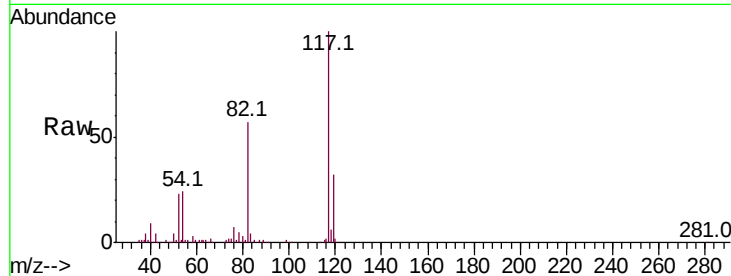




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066568.D
Acq: 04 Sep 2020 17:35

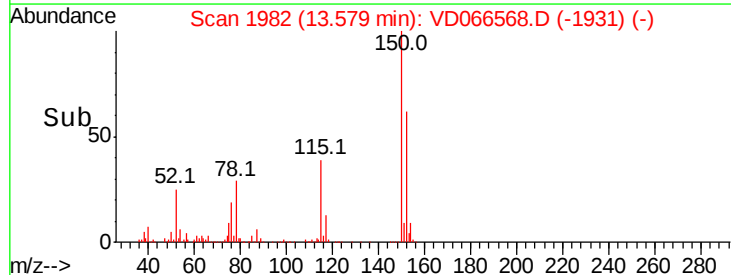
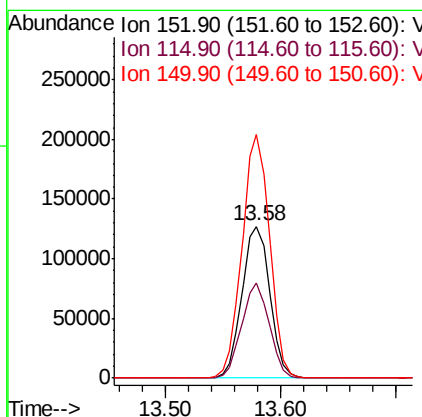
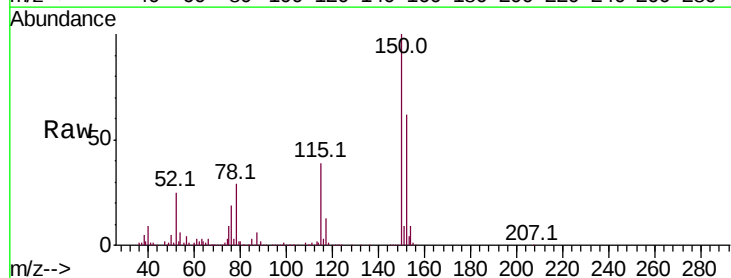
Instrument :
MSVOA_D
ClientSampleId :
WC-1

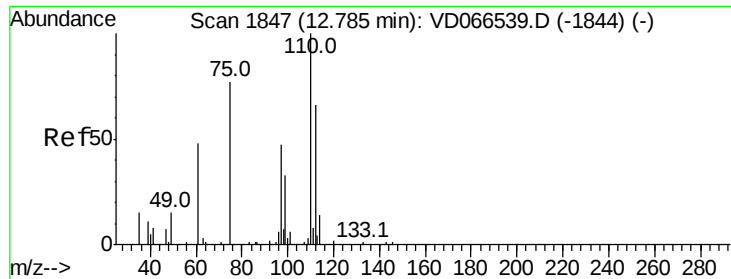
Tot Ion:117 Resp: 592581
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.2
119 31.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066568.D
Acq: 04 Sep 2020 17:35

Tgt Ion:152 Resp: 214102
Ion Ratio Lower Upper
152 100
115 61.6 30.4 91.2
150 158.1 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 67.694 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066568.D

Acq: 04 Sep 2020 17:35

Instrument :

MSVOA_D

ClientSampleId :

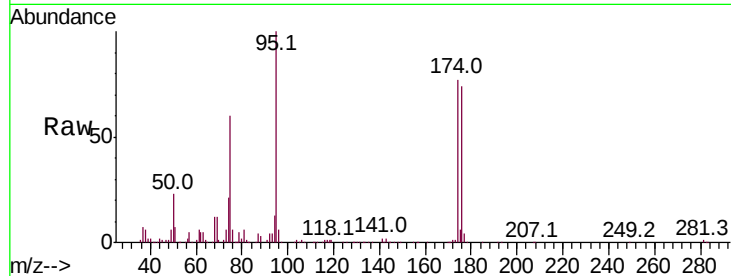
WC-1

Tot Ion: 75 Resp: 139387

Ion Ratio Lower Upper

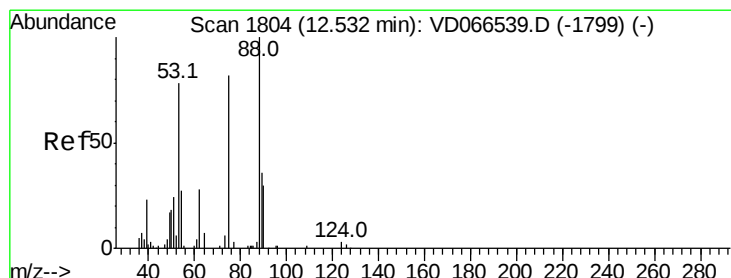
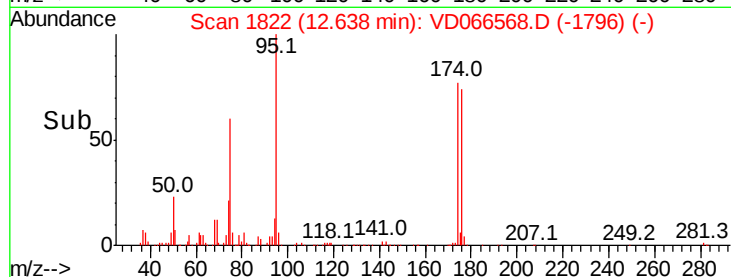
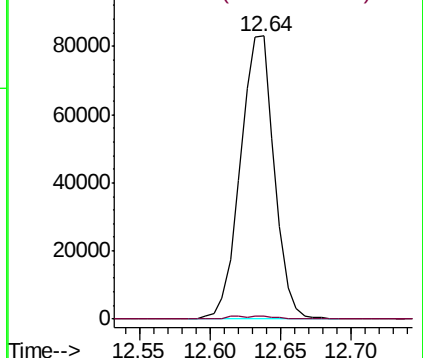
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 158.041 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066568.D

Acq: 04 Sep 2020 17:35

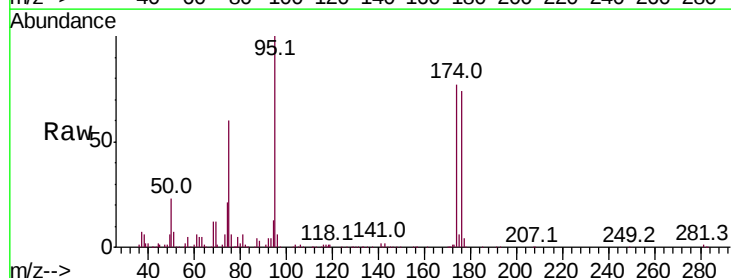
Tgt Ion: 75 Resp: 139387

Ion Ratio Lower Upper

75 100

53 0.2 87.0 130.4#

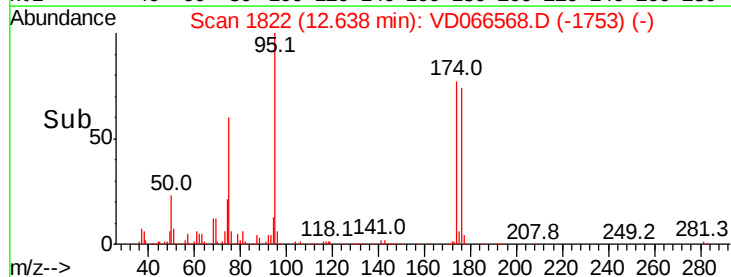
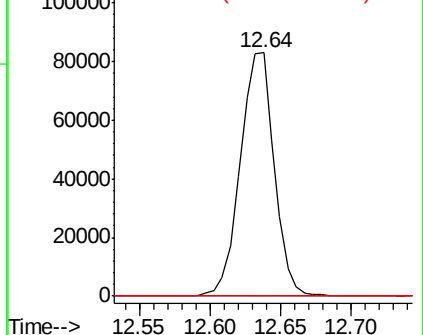
89 0.1 37.1 55.7#

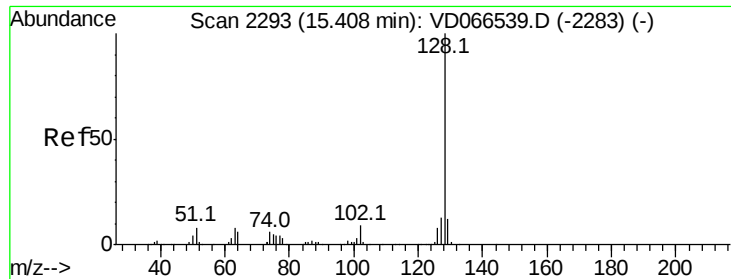


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95
Naphthalene
Concen: 6.611 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066568.D
Acq: 04 Sep 2020 17:35

Instrument :
MSVOA_D
ClientSampleId :
WC-1

Tot Ion:128 Resp: 42516
Ion Ratio Lower Upper
128 100
127 14.0 10.7 16.1
129 11.9 9.1 13.7

