

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066546.D
 Acq On : 03 Sep 2020 20:55
 Operator : VA/SY
 Sample : L3887-01RE
 Misc : 5.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CONCRETE-PILE

Quant Time: Sep 04 05:55:18 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	7.97	168	293520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	537186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	489945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216145	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	208936	58.83	ug/l	0.00
Spiked Amount			Recovery	=	117.66%	
35) Dibromofluoromethane	7.91	113	135795	37.47	ug/l	0.00
Spiked Amount			Recovery	=	74.94%	
50) Toluene-d8	10.34	98	659550	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.63	95	209344	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	

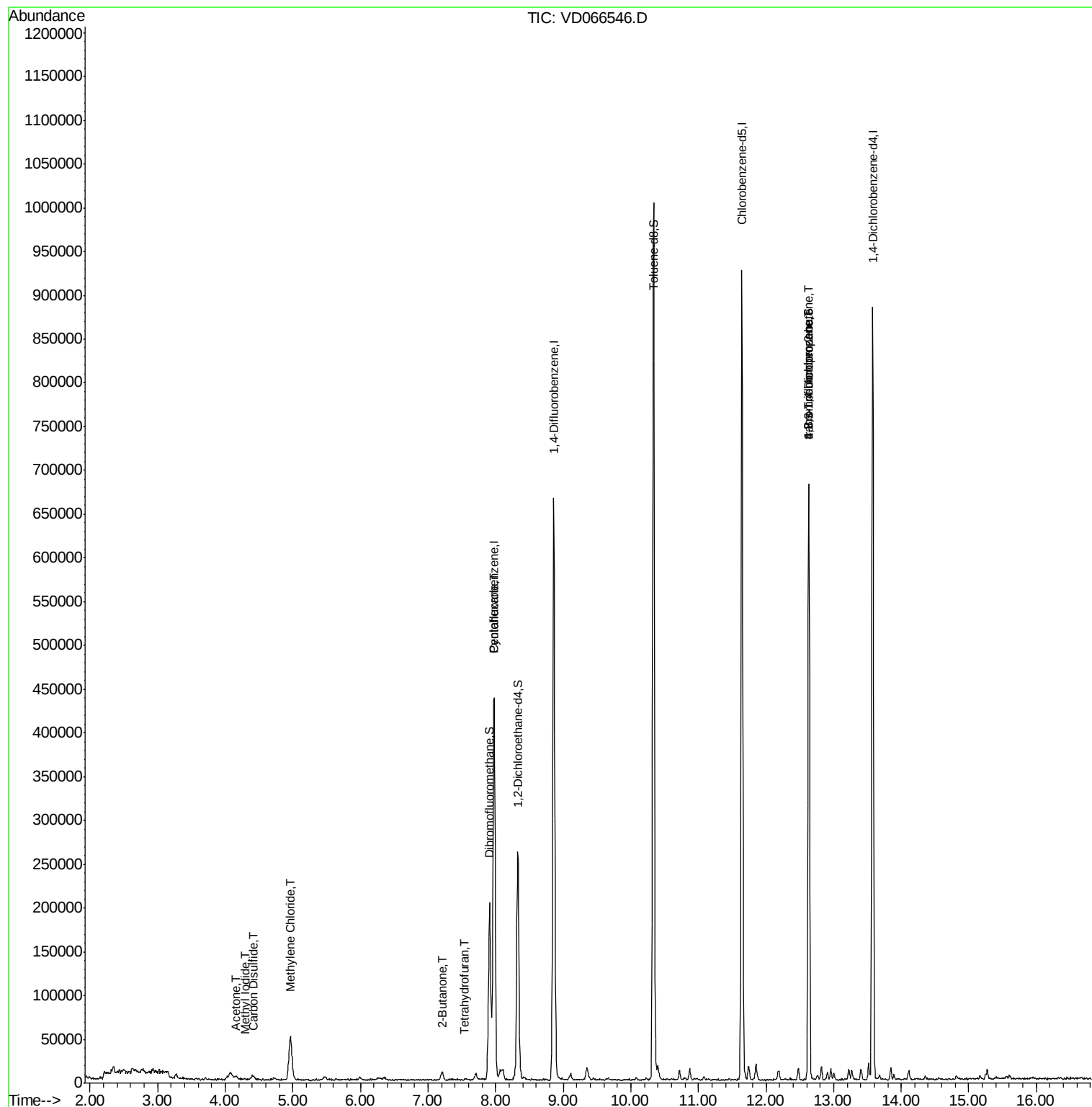
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2485	Below Cal		100
5) Bromomethane	2.78	94	2514	Below Cal		96
10) Methyl Iodide	4.30	142	1502	4.483	ug/l #	83
11) Tert butyl alcohol	5.19	59	77	Below Cal	#	74
16) Acetone	4.16	43	8776	13.431	ug/l #	72
17) Carbon Disulfide	4.41	76	10880	1.119	ug/l	95
20) Methylene Chloride	4.96	84	36540	4.198	ug/l	91
25) 2-Butanone	7.21	43	2170	2.474	ug/l #	83
29) Tetrahydrofuran	7.55	42	973	1.781	ug/l #	35
31) Cyclohexane	7.98	56	12729	2.197	ug/l #	54
76) 1,2,3-Trichloropropane	12.63	75	119745	57.605	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	119745	134.487	ug/l #	6

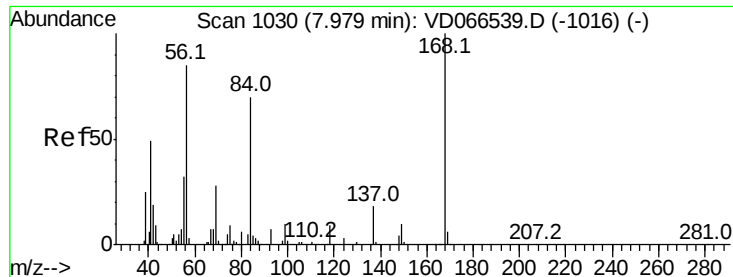
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066546.D

Acq: 03 Sep 2020 20:55

Instrument :

MSVOA_D

ClientSampleId :

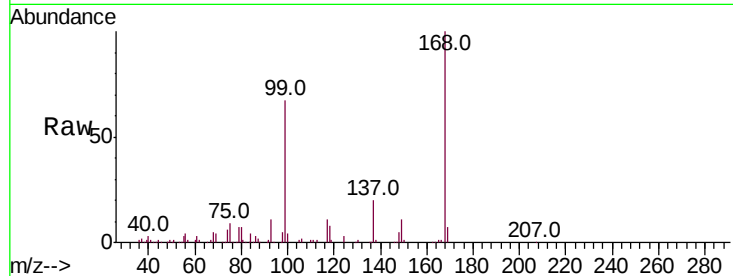
CONCRETE-PILE

Tot Ion:168 Resp: 293520

Ion Ratio Lower Upper

168 100

99 66.3 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

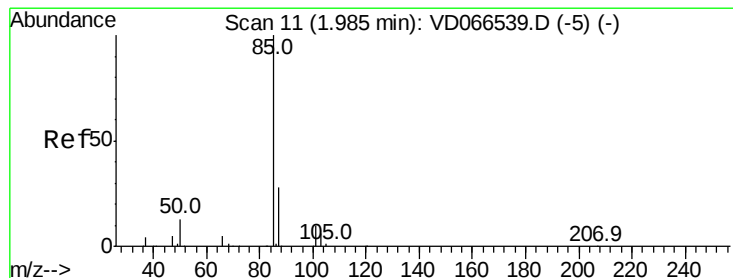
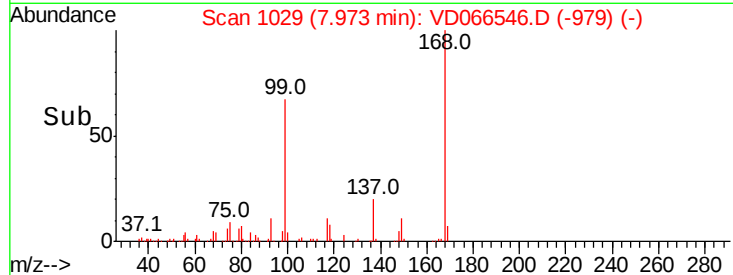
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066546.D

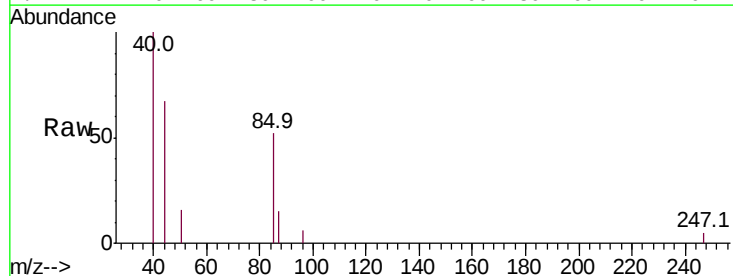
Acq: 03 Sep 2020 20:55

Tgt Ion: 85 Resp: 2485

Ion Ratio Lower Upper

85 100

87 28.5 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

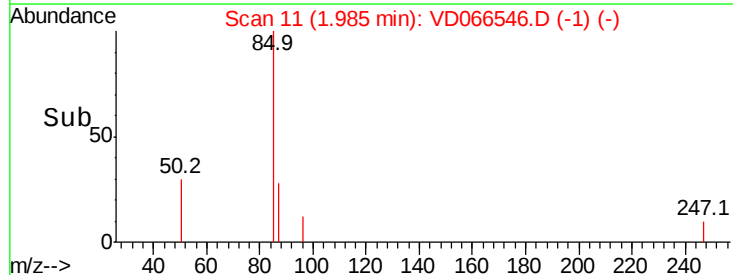
1500

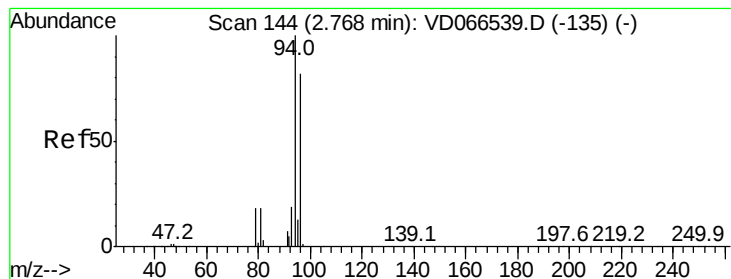
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066546.D

Acq: 03 Sep 2020 20:55

Instrument :

MSVOA_D

ClientSampleId :

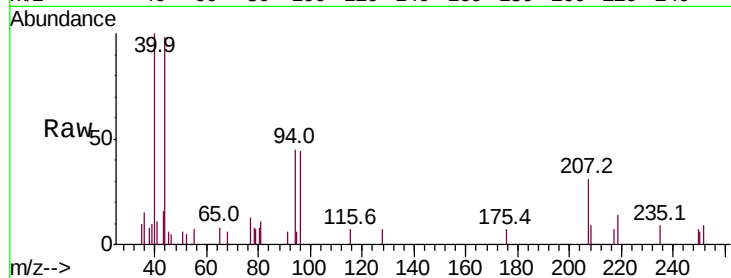
CONCRETE-PILE

Tot Ion: 94 Resp: 2514

Ion Ratio Lower Upper

94 100

96 85.1 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

1500

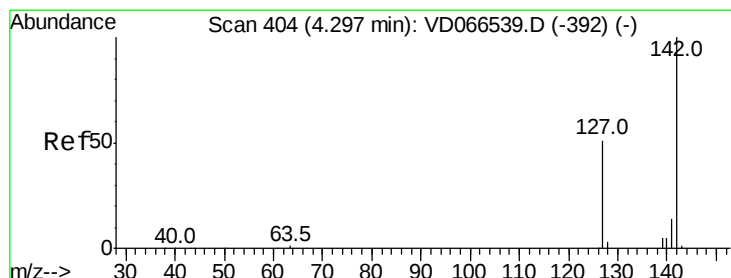
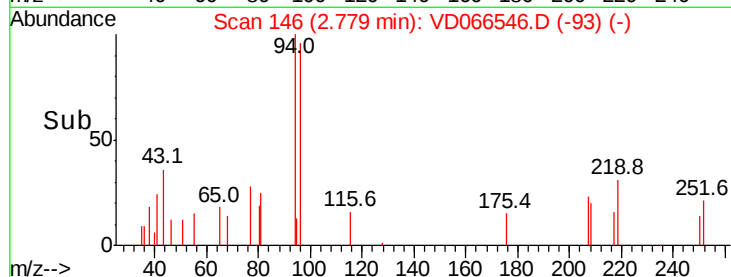
1000

500

0

Time-->

2.70 2.75 2.80 2.85



#10

Methyl Iodide

Concen: 4.483 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066546.D

Acq: 03 Sep 2020 20:55

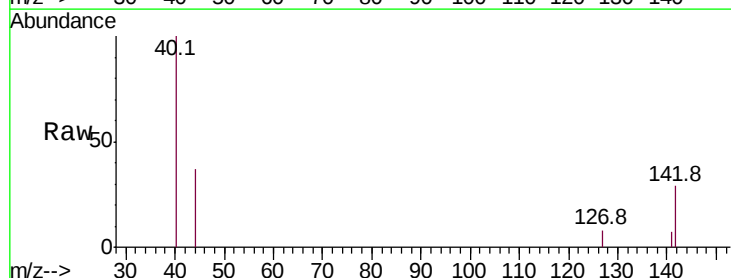
Tgt Ion: 142 Resp: 1502

Ion Ratio Lower Upper

142 100

127 39.4 40.6 61.0#

141 7.9 12.2 18.4#



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

800

600

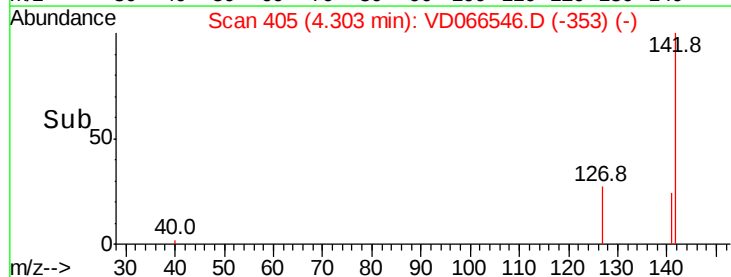
400

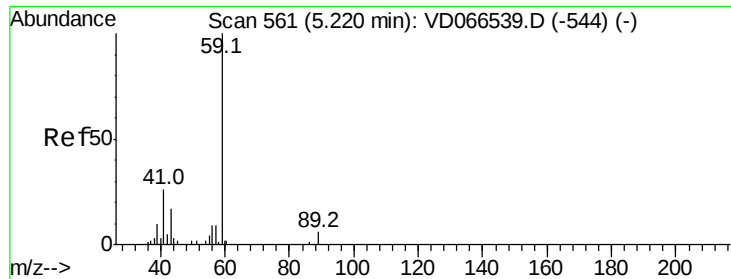
200

0

Time-->

4.25 4.30 4.35



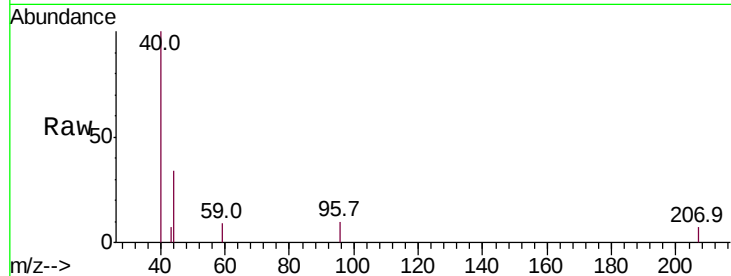


#11

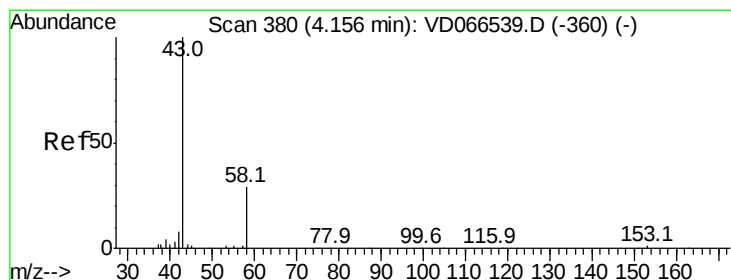
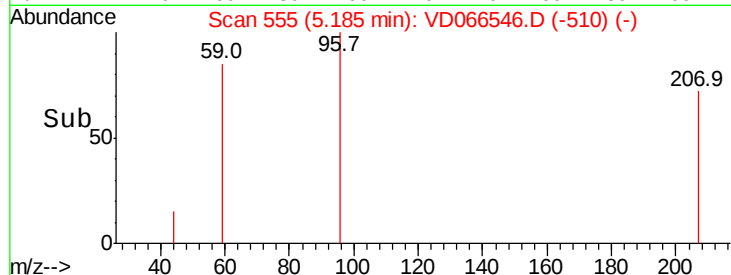
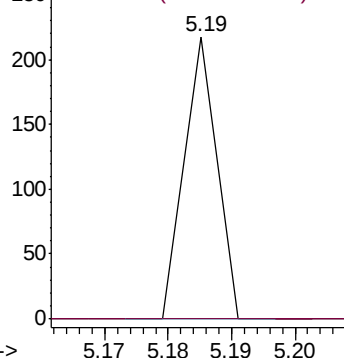
Tert butyl alcohol
Concen: Below Cal
RT: 5.19 min Scan# 555
Delta R.T. -0.03 min
Lab File: VD066546.D
Acq: 03 Sep 2020 20:55

Instrument :
MSVOA_D
ClientSampleId :
CONCRETE-PILE

Tot Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



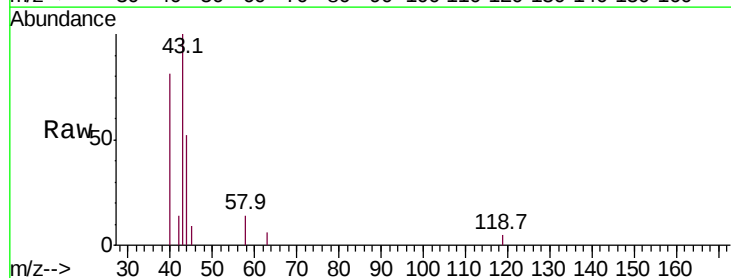
Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC



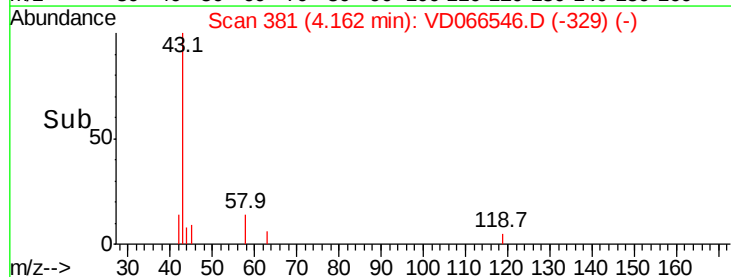
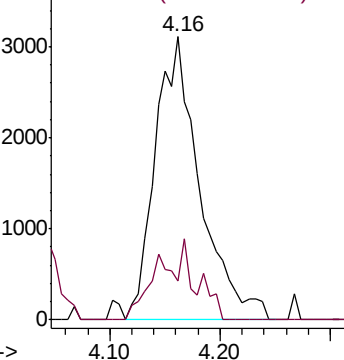
#16

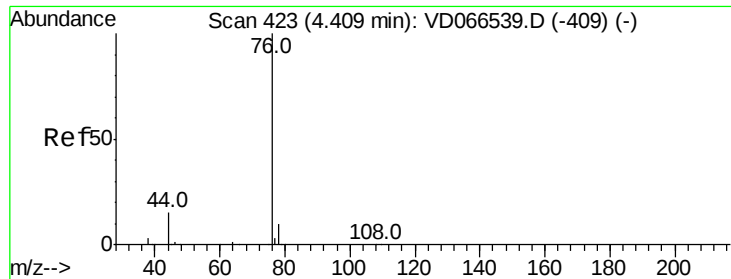
Acetone
Concen: 13.431 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066546.D
Acq: 03 Sep 2020 20:55

Tgt Ion: 43 Resp: 8776
Ion Ratio Lower Upper
43 100
58 13.7 22.9 34.3#



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





#17

Carbon Disulfide

Concen: 1.119 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066546.D

Acq: 03 Sep 2020 20:55

Instrument :

MSVOA_D

ClientSampleId :

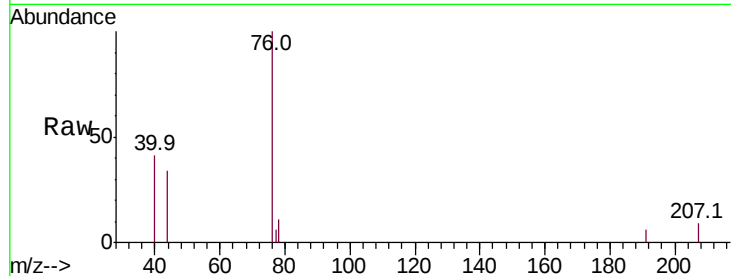
CONCRETE-PILE

Tot Ion: 76 Resp: 10880

Ion Ratio Lower Upper

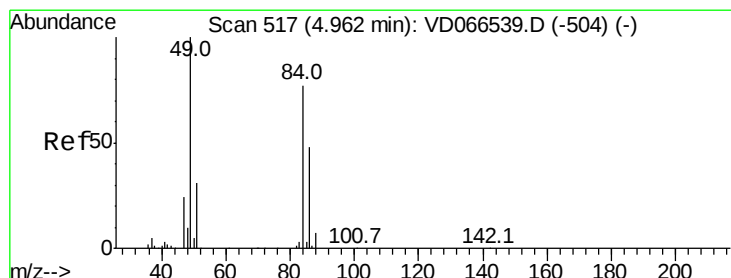
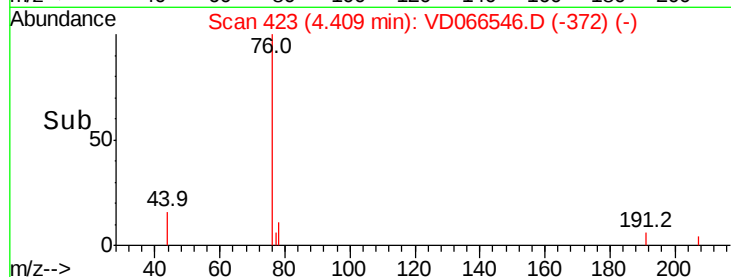
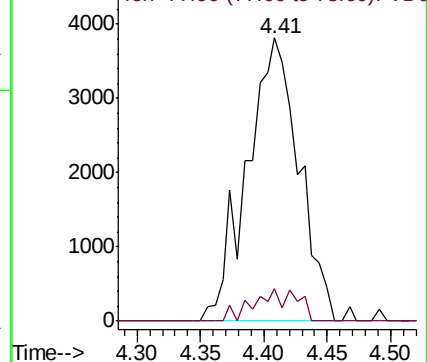
76 100

78 11.4 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: 4.198 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD066546.D

Acq: 03 Sep 2020 20:55

Tgt Ion: 84 Resp: 36540

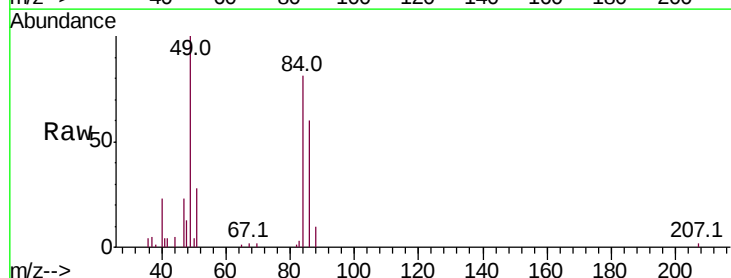
Ion Ratio Lower Upper

84 100

49 122.8 104.3 156.5

51 34.6 32.2 48.4

86 73.2 50.0 75.0

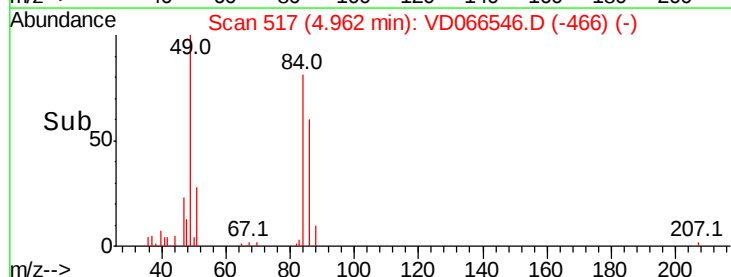
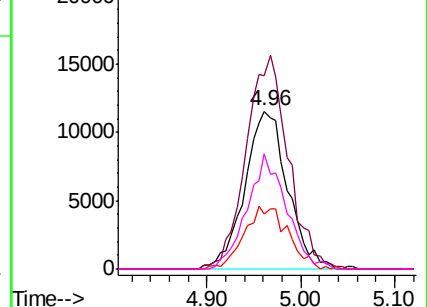


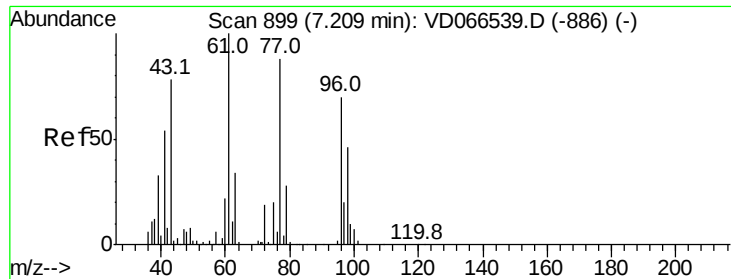
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

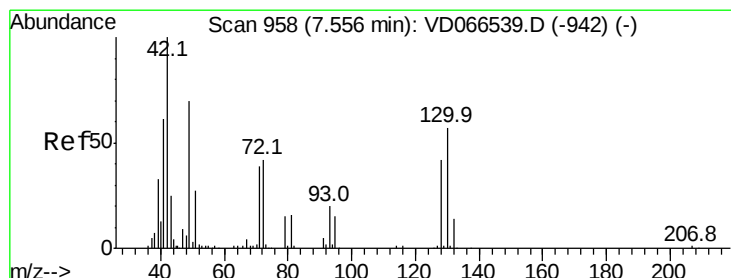
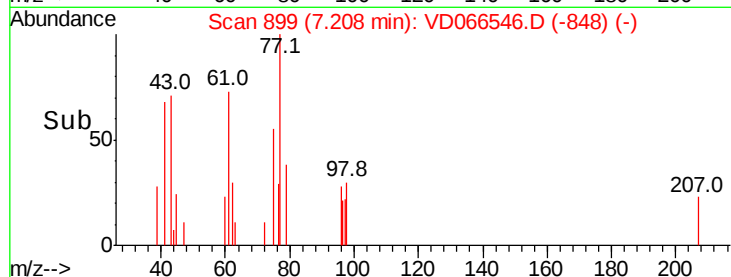
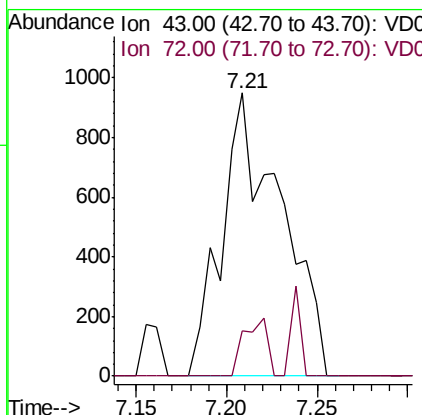
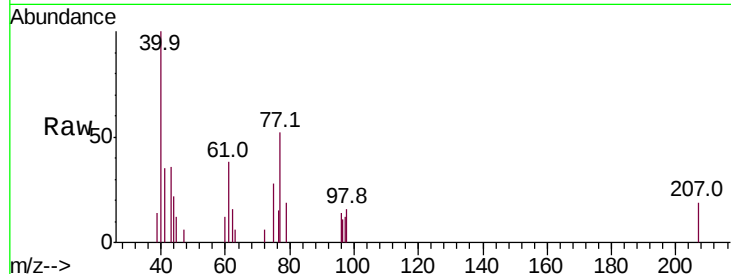




#25
2-Butanone
Concen: 2.474 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066546.D
Acq: 03 Sep 2020 20:55

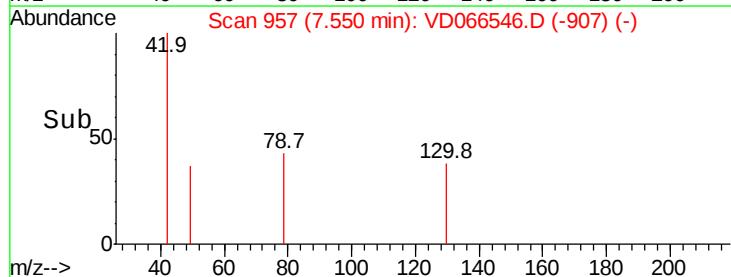
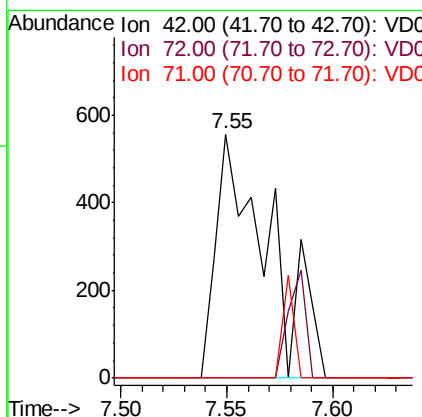
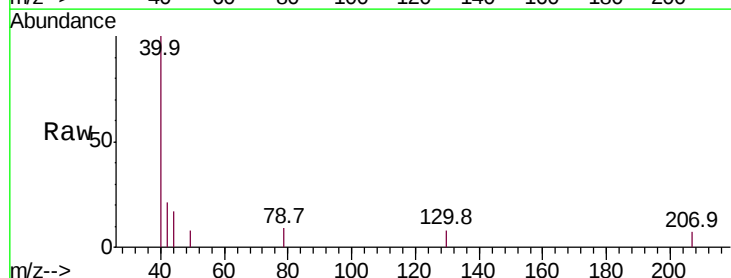
Instrument :
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CONCRETE-PILE

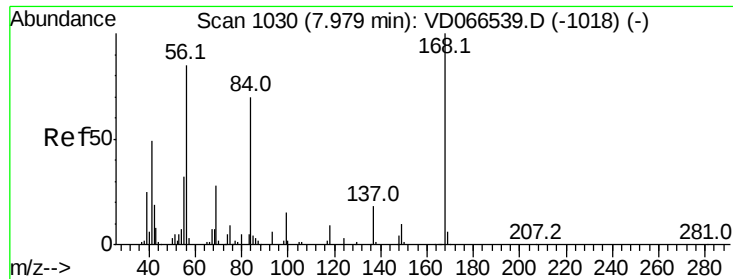
Tot Ion: 43 Resp: 2170
Ion Ratio Lower Upper
43 100
72 16.1 19.8 29.6#



#29
Tetrahydrofuran
Concen: 1.781 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD066546.D
Acq: 03 Sep 2020 20:55

Tgt Ion: 42 Resp: 973
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.9 47.9#





#31

Cyclohexane

Concen: 2.197 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066546.D

Acq: 03 Sep 2020 20:55

Instrument :

MSVOA_D

ClientSampleId :

CONCRETE-PILE

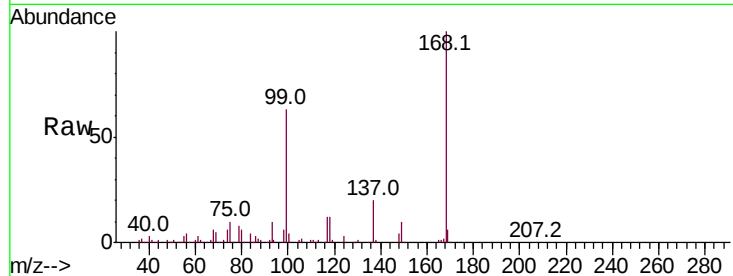
Tot Ion: 56 Resp: 12729

Ion Ratio Lower Upper

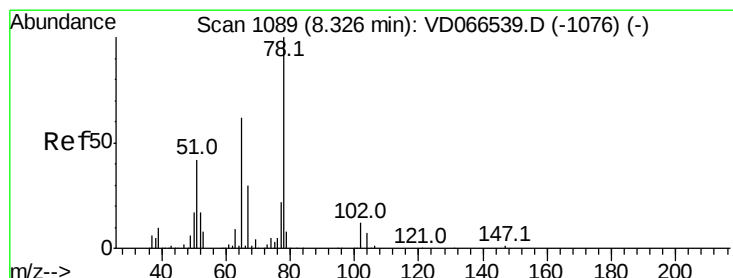
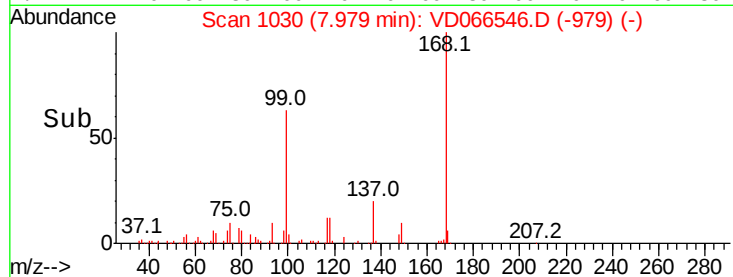
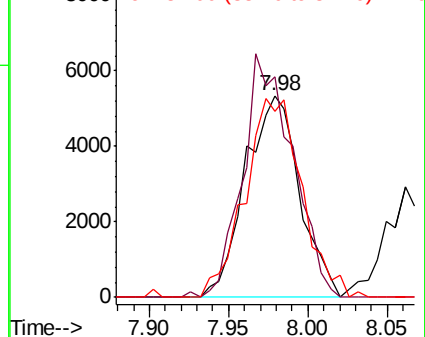
56 100

69 109.1 26.3 39.5#

84 92.5 66.1 99.1



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: 58.833 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066546.D

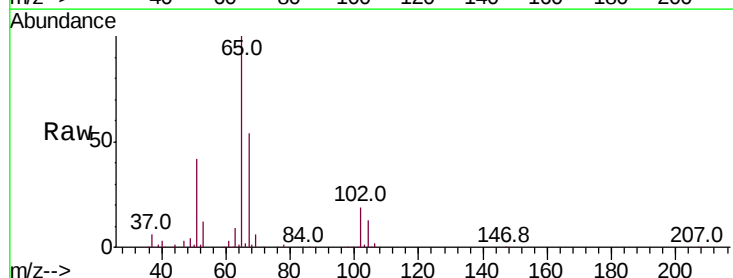
Acq: 03 Sep 2020 20:55

Tgt Ion: 65 Resp: 208936

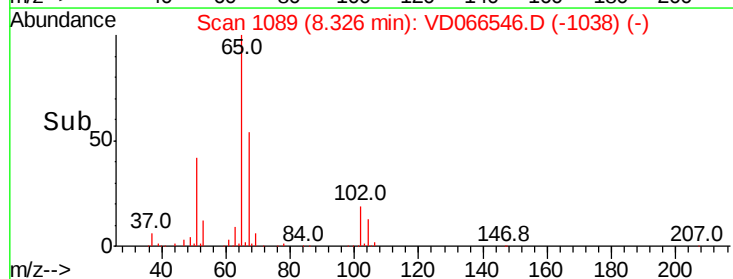
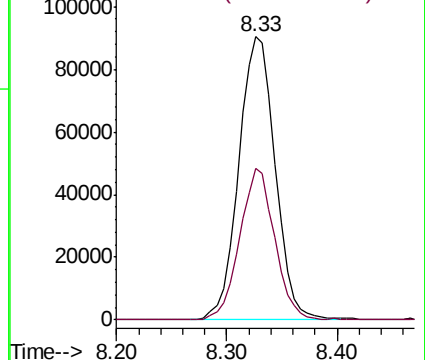
Ion Ratio Lower Upper

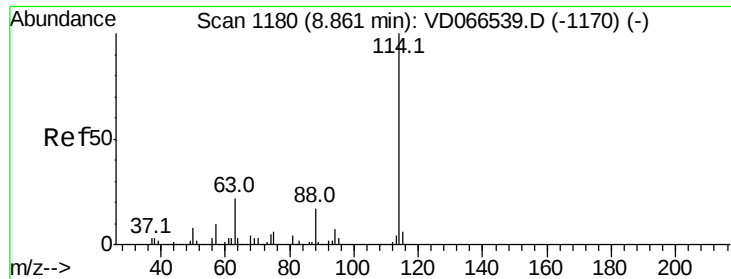
65 100

67 51.4 0.0 102.8



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

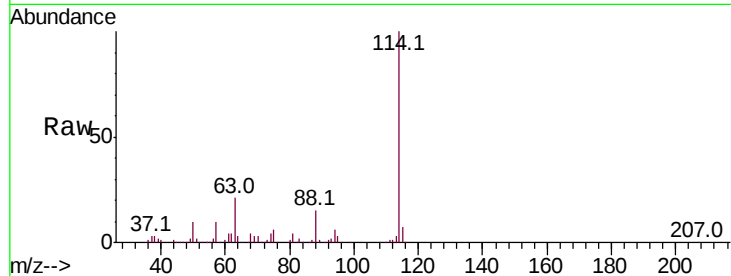




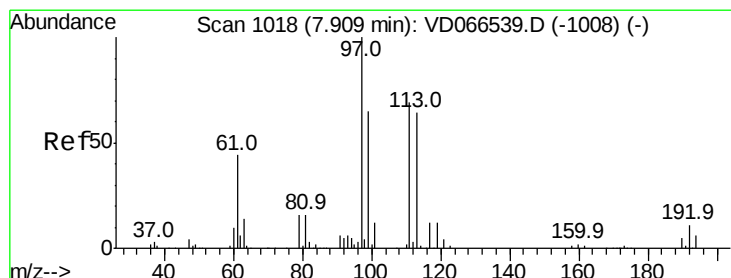
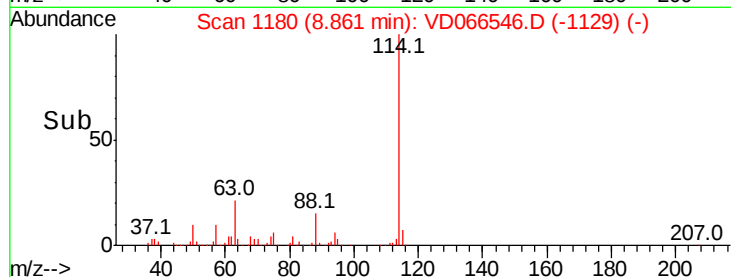
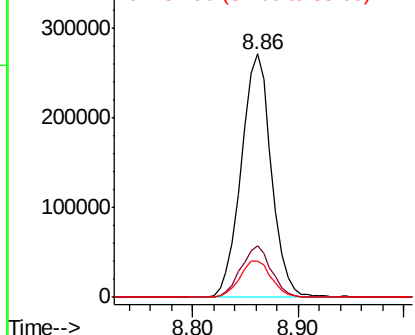
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD066546.D
Acq: 03 Sep 2020 20:55

Instrument :
MSVOA_D
ClientSampleId :
CONCRETE-PILE

Tot Ion:114 Resp: 537186
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.2
88 14.7 0.0 33.2

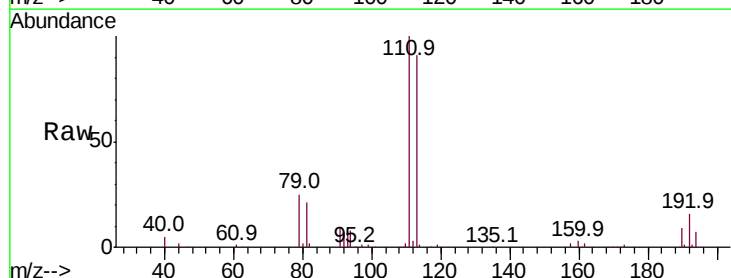


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

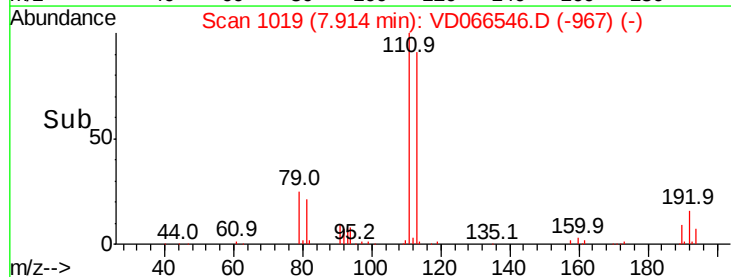
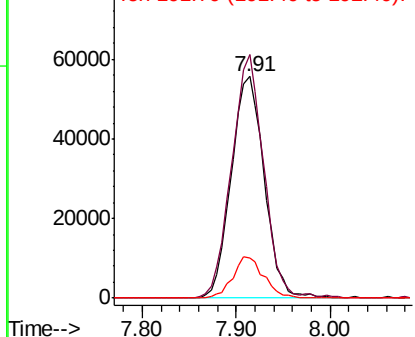


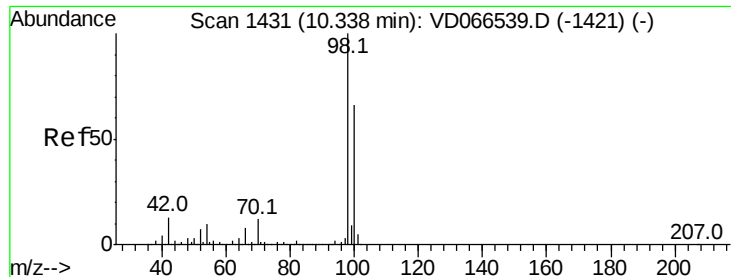
#35
Dibromofluoromethane
Concen: 37.472 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066546.D
Acq: 03 Sep 2020 20:55

Tgt Ion:113 Resp: 135795
Ion Ratio Lower Upper
113 100
111 106.1 83.2 124.8
192 17.4 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

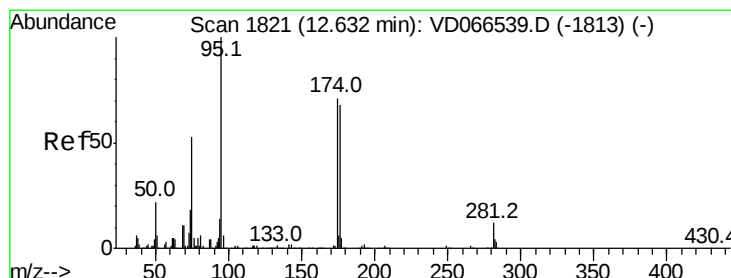
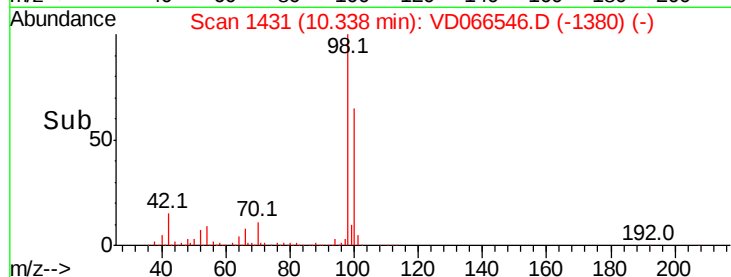
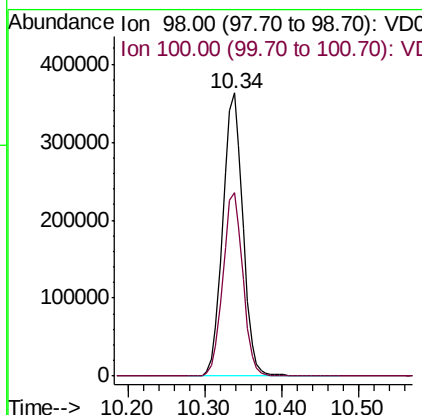
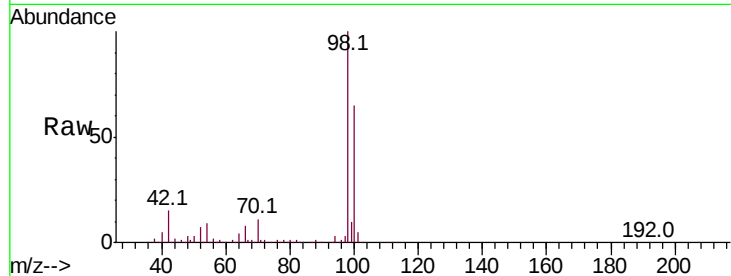




#50
Toluene-d8
Concen: 50.921 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066546.D
Acq: 03 Sep 2020 20:55

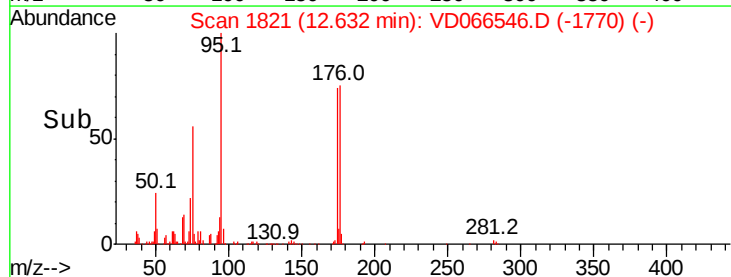
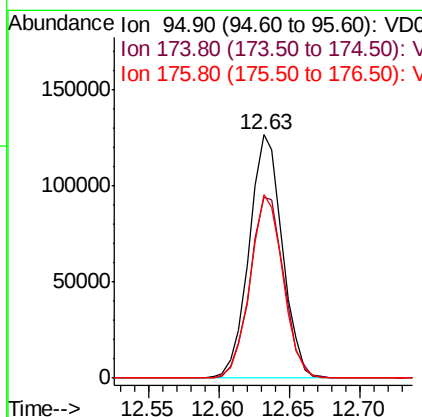
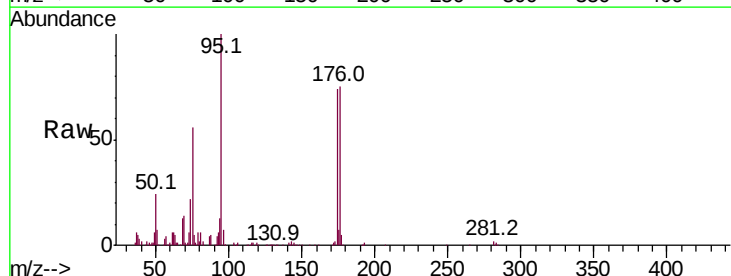
Instrument :
MSVOA_D
ClientSampleId :
CONCRETE-PILE

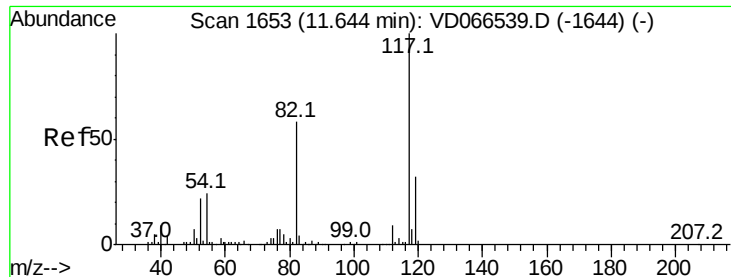
Tot Ion: 98 Resp: 659550
Ion Ratio Lower Upper
98 100
100 64.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 48.743 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066546.D
Acq: 03 Sep 2020 20:55

Tgt Ion: 95 Resp: 209344
Ion Ratio Lower Upper
95 100
174 76.3 0.0 155.8
176 74.5 0.0 148.6

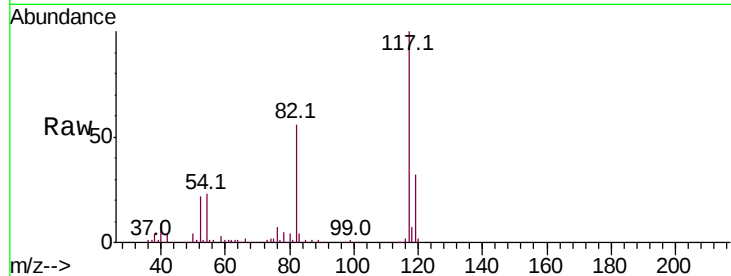




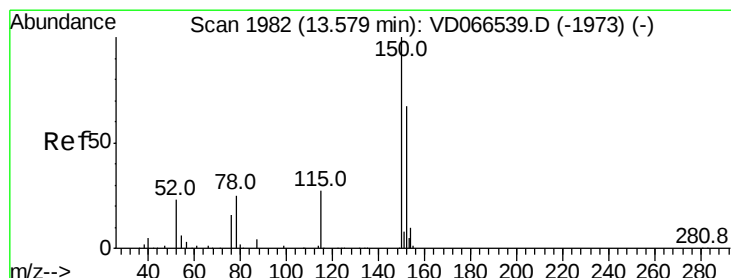
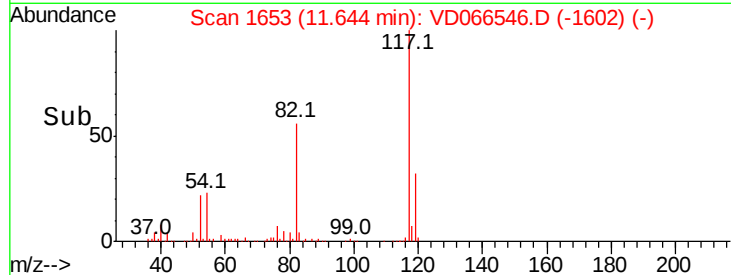
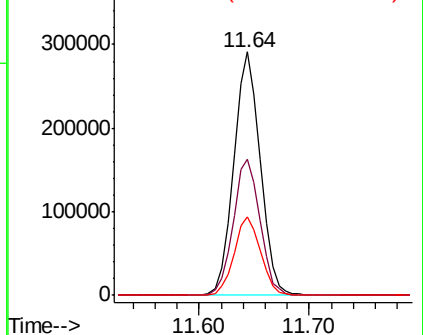
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066546.D
Acq: 03 Sep 2020 20:55

Instrument :
MSVOA_D
ClientSampleId :
CONCRETE-PILE

Tot Ion:117 Resp: 489945
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.2
119 32.4 25.8 38.8

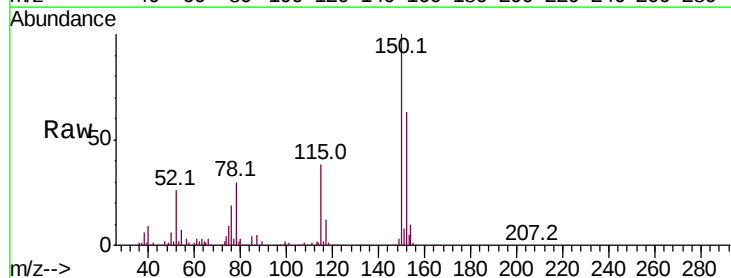


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

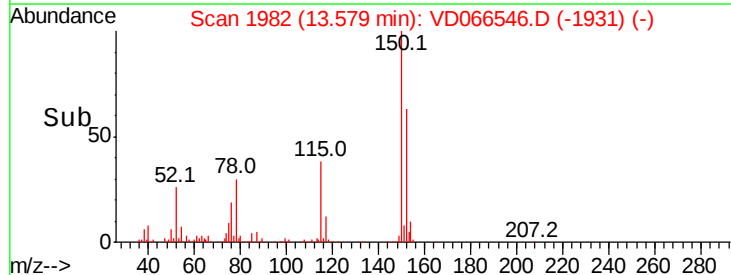
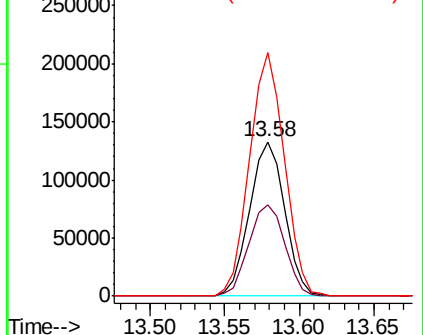


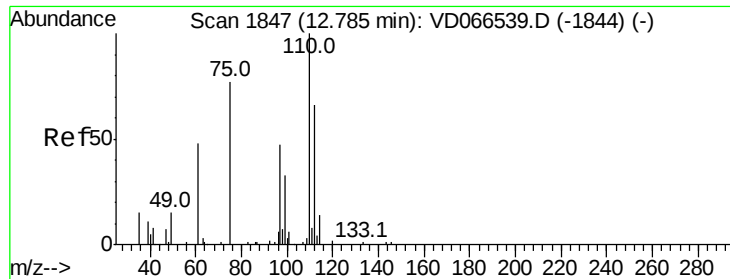
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066546.D
Acq: 03 Sep 2020 20:55

Tgt Ion:152 Resp: 216145
Ion Ratio Lower Upper
152 100
115 60.8 30.4 91.2
150 156.5 0.0 345.8



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





#76

1,2,3-Trichloropropane

Concen: 57.605 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066546.D

Acq: 03 Sep 2020 20:55

Instrument :

MSVOA_D

ClientSampleId :

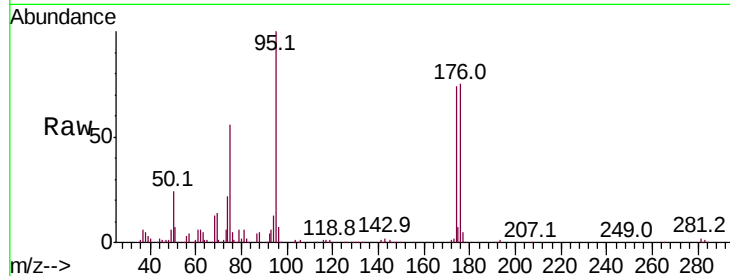
CONCRETE-PILE

Tot Ion: 75 Resp: 119745

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

80000

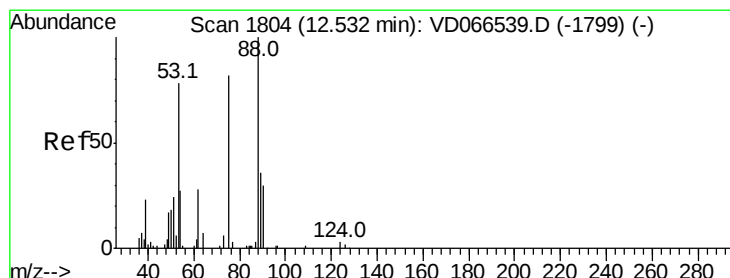
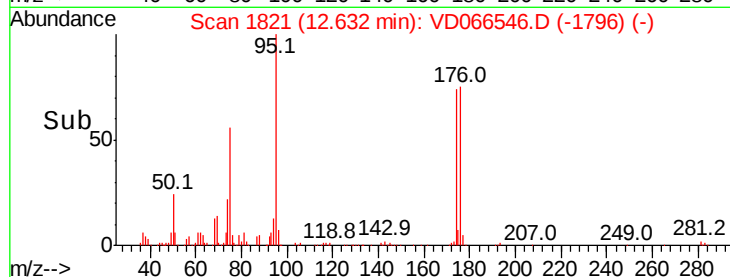
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 134.487 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066546.D

Acq: 03 Sep 2020 20:55

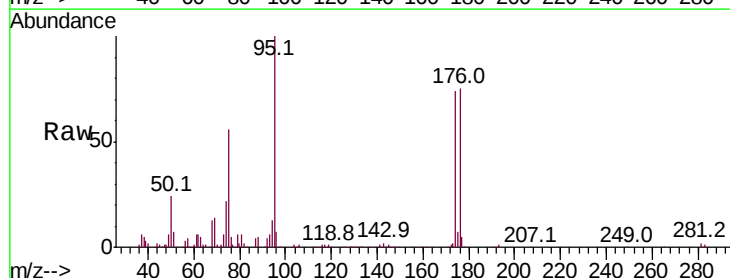
Tgt Ion: 75 Resp: 119745

Ion Ratio Lower Upper

75 100

53 0.0 87.0 130.4#

89 0.0 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

100000

80000

60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70

