

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066635.D
 Acq On : 11 Sep 2020 02:12
 Operator : VA/SY
 Sample : L3937-04
 Misc : 6.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BSY-SB-03-5.0-6.0

Quant Time: Sep 11 03:24:24 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	355630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	634544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	602937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	259617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	231034	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	7.91	113	217031	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.34	98	776742	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.63	95	253453	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds

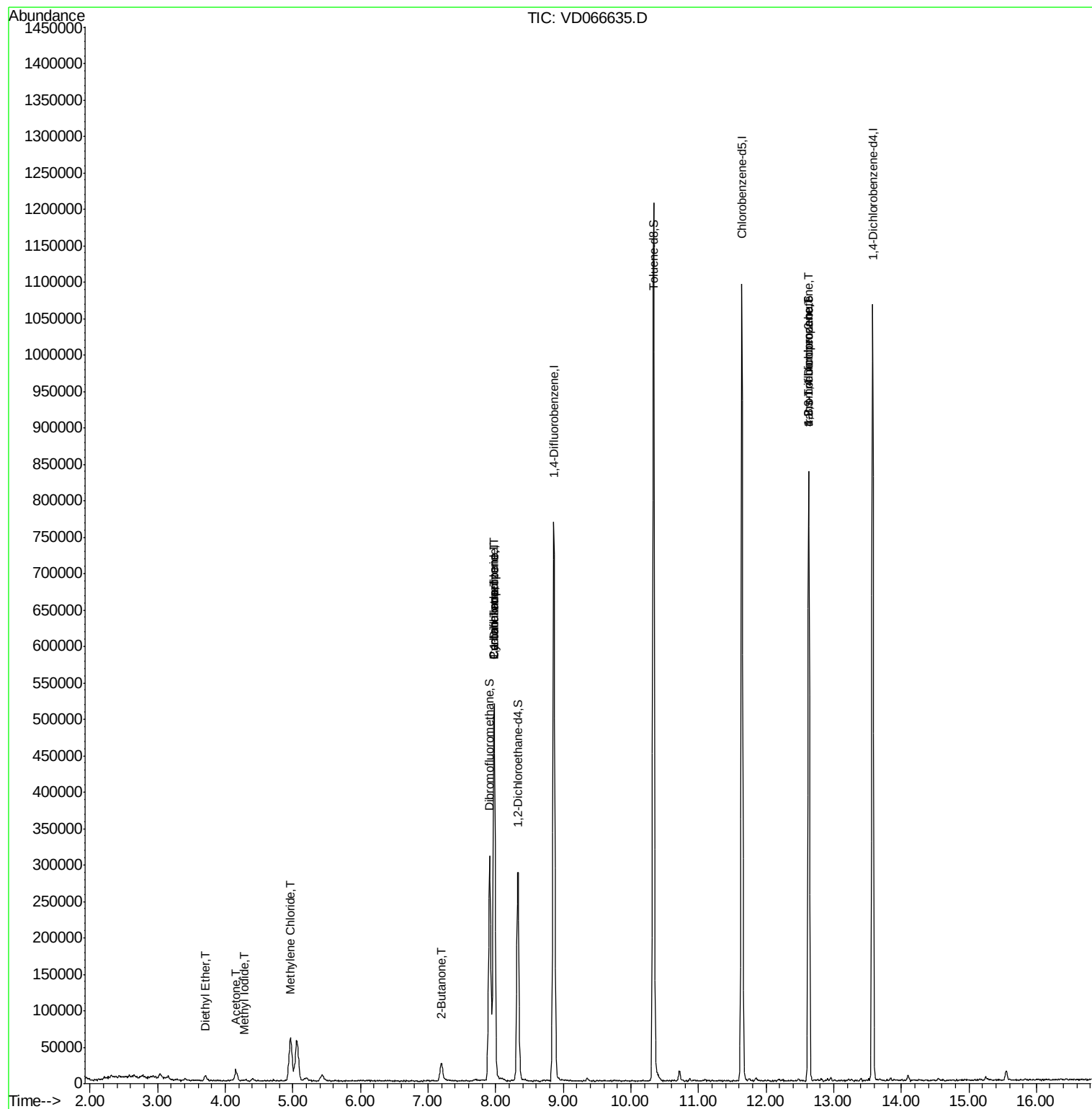
					Qvalue
2) Dichlorodifluoromethane	1.99	85	823	Below Cal	90
5) Bromomethane	2.78	94	2525	Below Cal	84
8) Diethyl Ether	3.71	74	3581	1.930 ug/l	100
10) Methyl Iodide	4.29	142	1086	4.298 ug/l #	63
11) Tert butyl alcohol	5.20	59	3147	Below Cal #	74
16) Acetone	4.16	43	25455	32.152 ug/l	92
20) Methylene Chloride	4.96	84	46277	4.734 ug/l	87
25) 2-Butanone	7.20	43	2340	2.202 ug/l #	51
31) Cyclohexane	7.97	56	11151	1.589 ug/l #	35
36) 1,1-Dichloropropene	7.97	75	33923	5.137 ug/l #	51
38) Carbon Tetrachloride	7.98	117	39896	5.716 ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	142639	57.128 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	142639	133.374 ug/l #	7

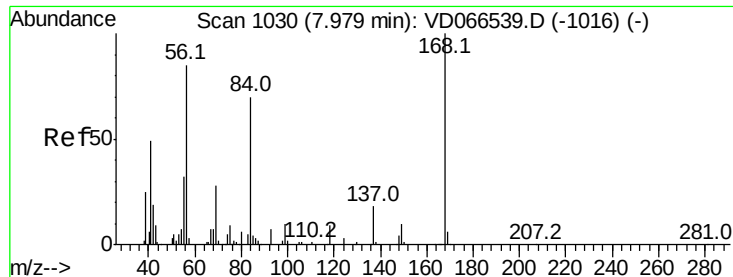
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091020\
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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066635.D

Acq: 11 Sep 2020 02:12

Instrument :

MSVOA_D

ClientSampleId :

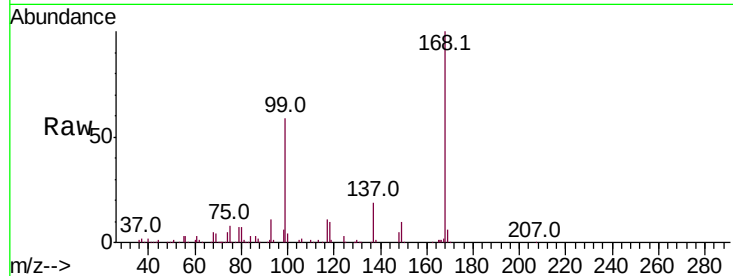
BSY-SB-03-5.0-6.0

Tot Ion:168 Resp: 355630

Ion Ratio Lower Upper

168 100

99 58.6 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

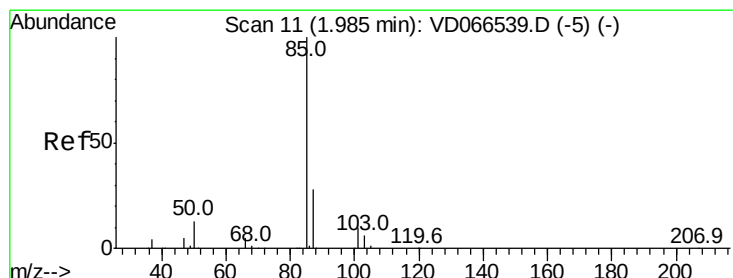
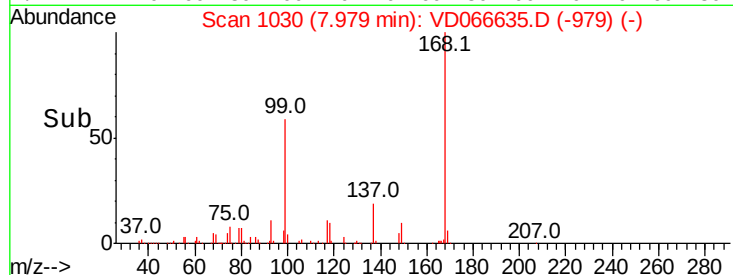
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066635.D

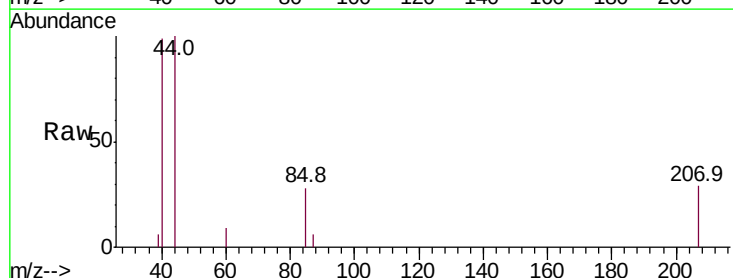
Acq: 11 Sep 2020 02:12

Tgt Ion: 85 Resp: 823

Ion Ratio Lower Upper

85 100

87 22.9 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

800

600

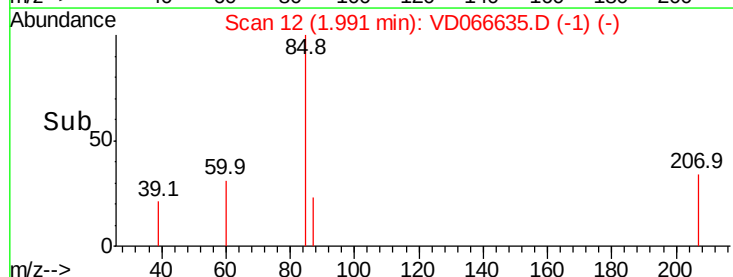
400

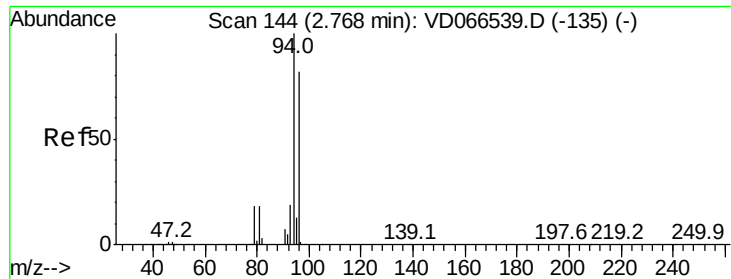
200

0

1.94 1.96 1.98 2.00 2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066635.D

Acq: 11 Sep 2020 02:12

Instrument :

MSVOA_D

ClientSampleId :

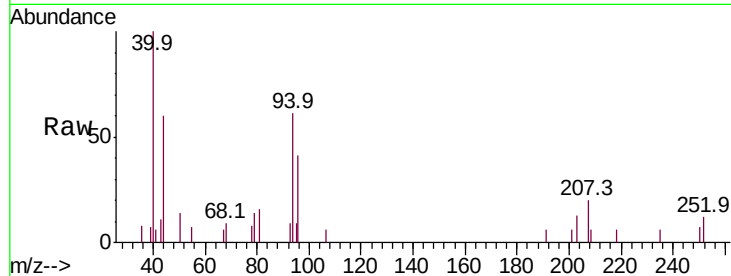
BSY-SB-03-5.0-6.0

Tot Ion: 94 Resp: 2525

Ion Ratio Lower Upper

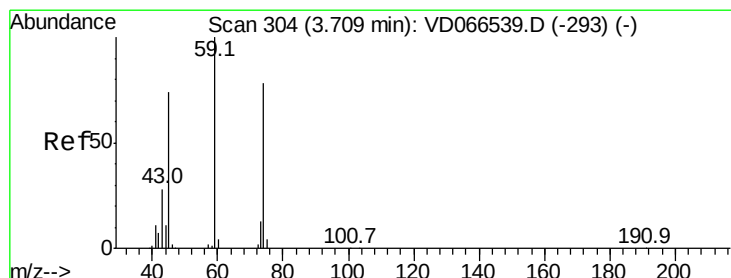
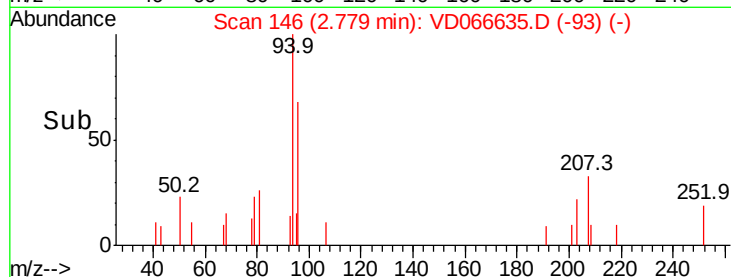
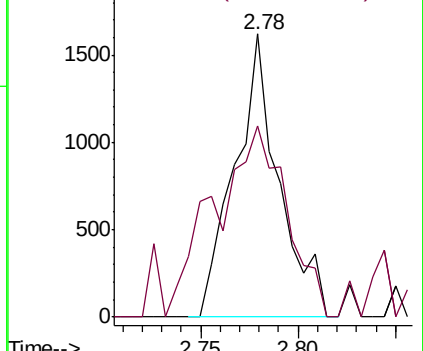
94 100

96 67.6 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#8

Diethyl Ether

Concen: 1.930 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD066635.D

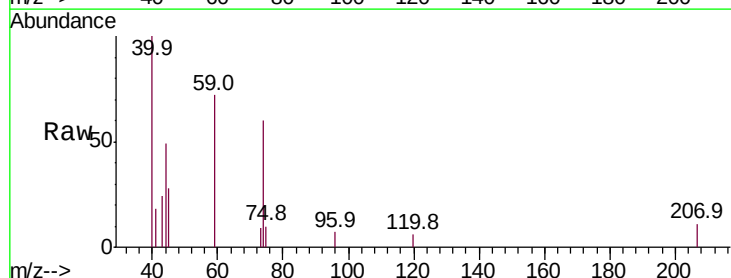
Acq: 11 Sep 2020 02:12

Tgt Ion: 74 Resp: 3581

Ion Ratio Lower Upper

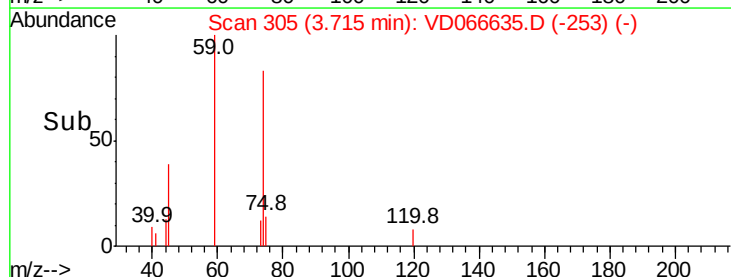
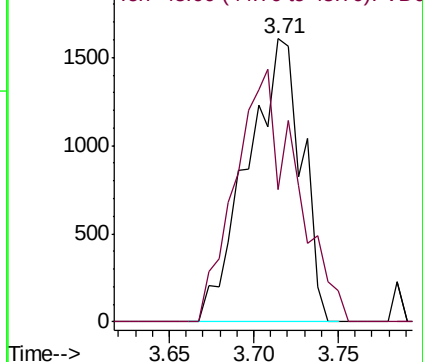
74 100

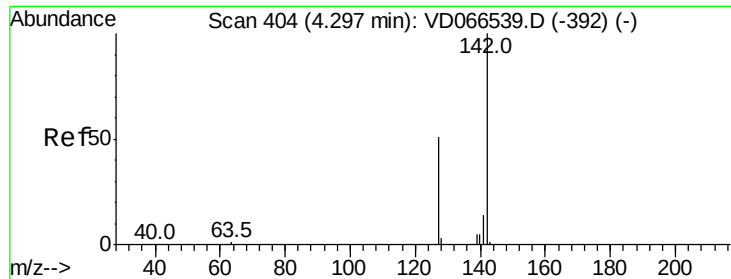
45 99.9 49.7 149.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

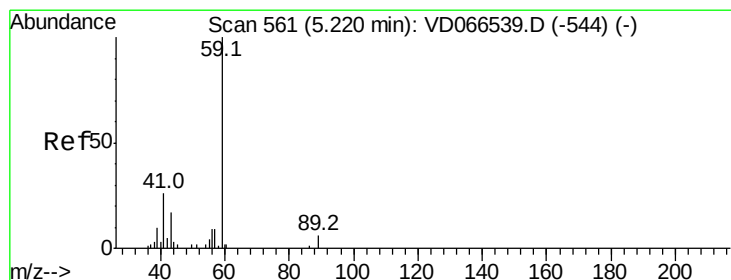
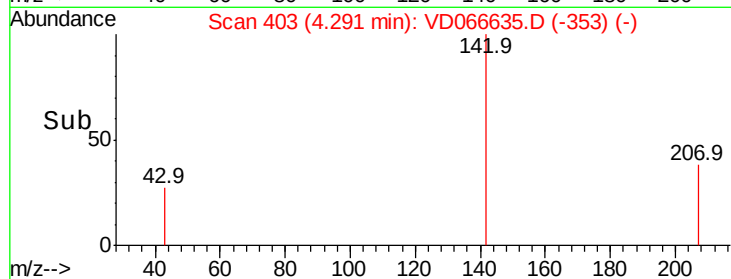
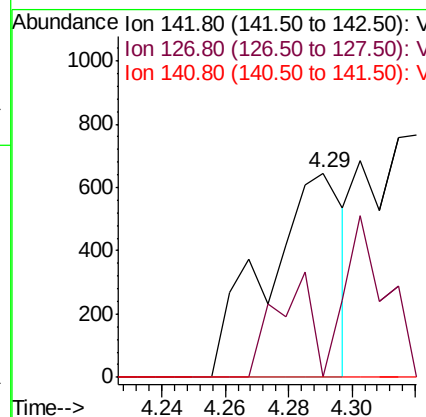
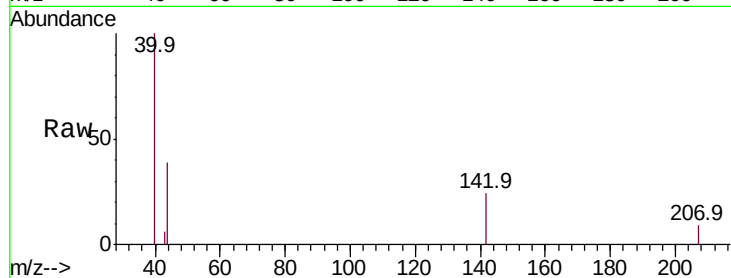




#10
Methyl Iodide
Concen: 4.298 ug/l
RT: 4.29 min Scan# 403
Delta R.T. -0.01 min
Lab File: VD066635.D
Acq: 11 Sep 2020 02:12

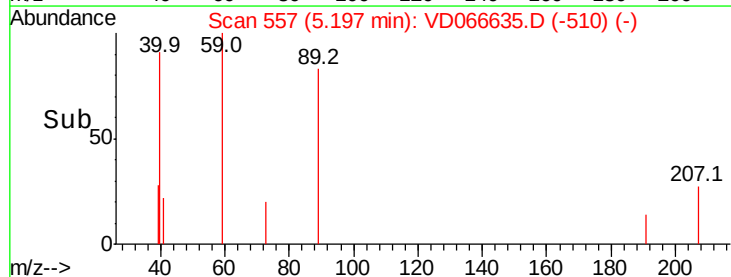
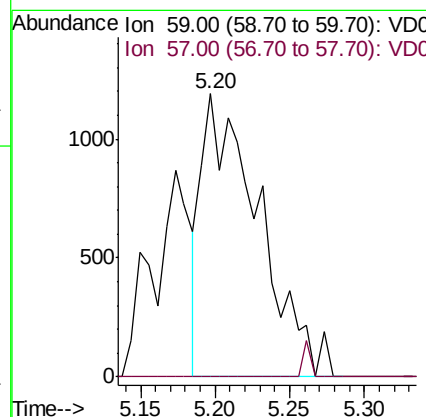
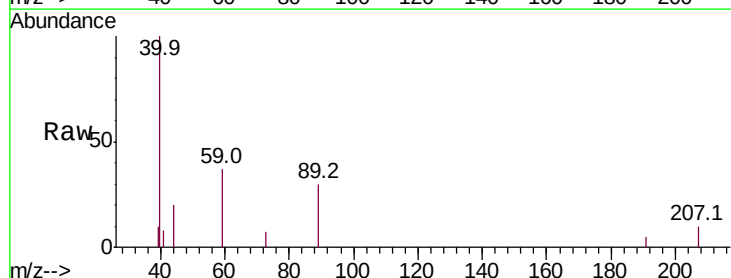
Instrument :
MSVOA_D
ClientSampleId :
BSY-SB-03-5.0-6.0

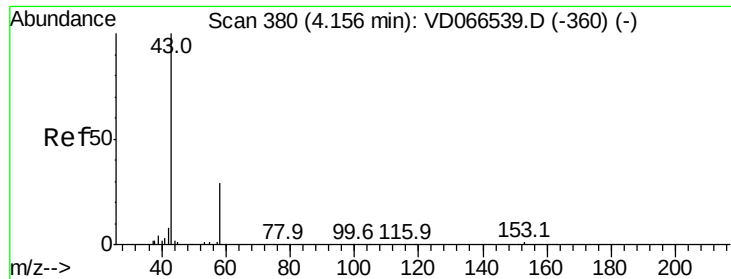
Tot Ion:142 Resp: 1086
Ion Ratio Lower Upper
142 100
127 24.6 40.6 61.0#
141 0.0 12.2 18.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD066635.D
Acq: 11 Sep 2020 02:12

Tgt Ion: 59 Resp: 3147
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#





#16

Acetone

Concen: 32.152 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066635.D

Acq: 11 Sep 2020 02:12

Instrument :

MSVOA_D

ClientSampleId :

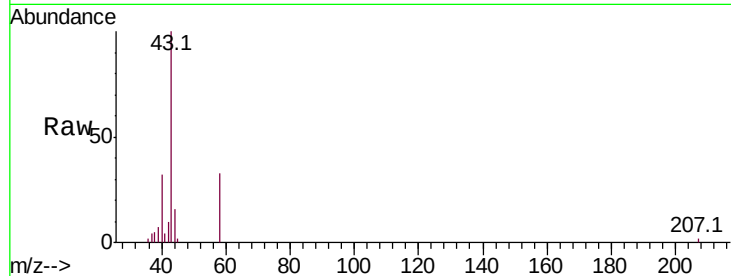
BSY-SB-03-5.0-6.0

Tot Ion: 43 Resp: 25455

Ion Ratio Lower Upper

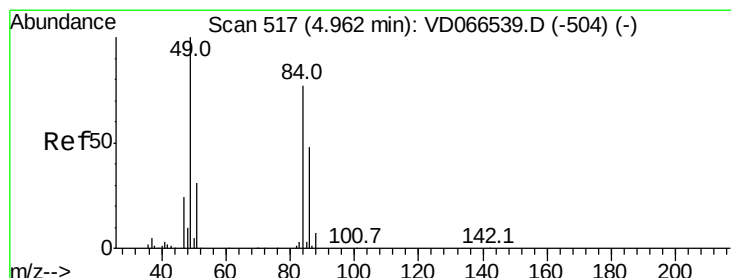
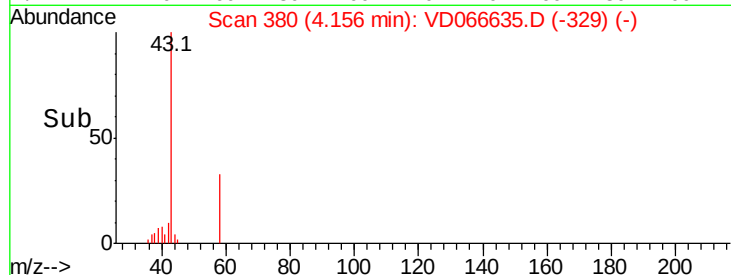
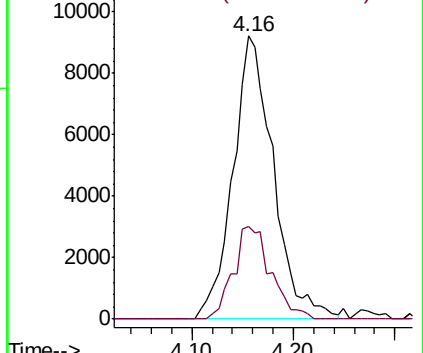
43 100

58 32.7 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 4.734 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD066635.D

Acq: 11 Sep 2020 02:12

Tgt Ion: 84 Resp: 46277

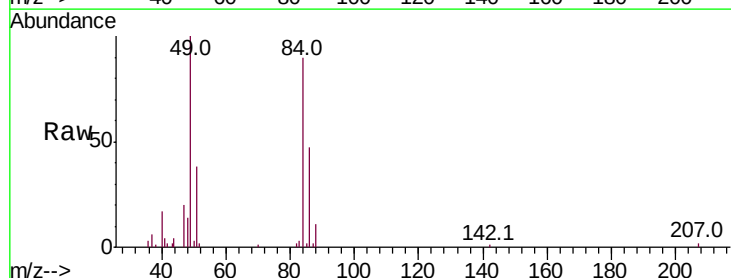
Ion Ratio Lower Upper

84 100

49 111.0 104.3 156.5

51 42.5 32.2 48.4

86 52.5 50.0 75.0

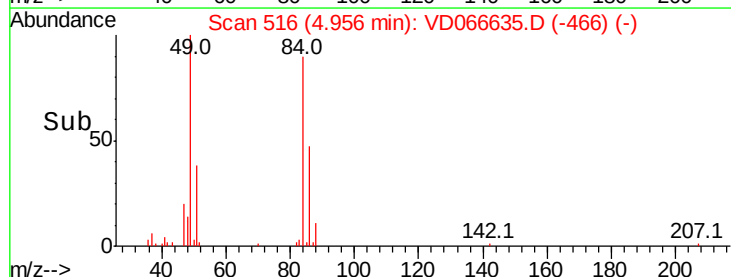
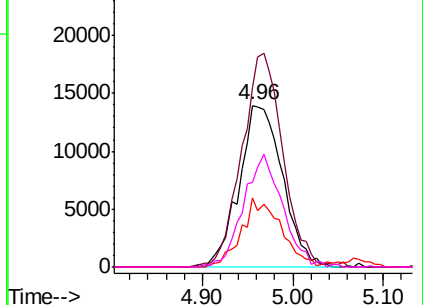


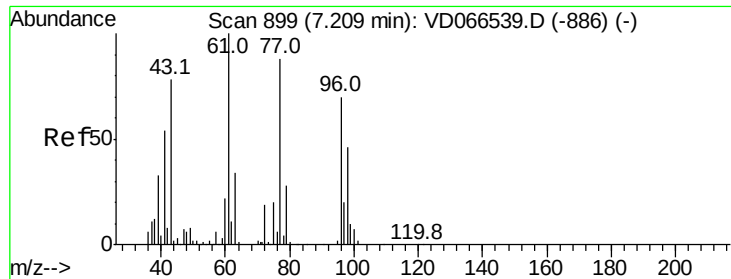
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 2.202 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066635.D

Acq: 11 Sep 2020 02:12

Instrument :

MSVOA_D

ClientSampleId :

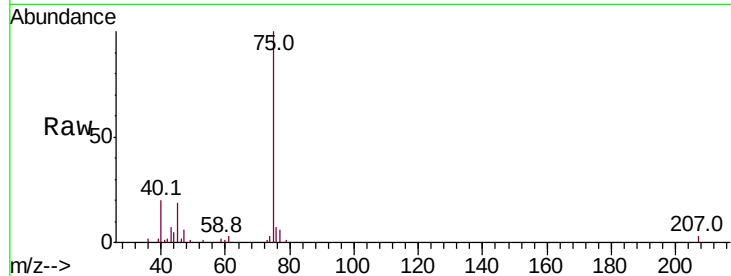
BSY-SB-03-5.0-6.0

Tot Ion: 43 Resp: 2340

Ion Ratio Lower Upper

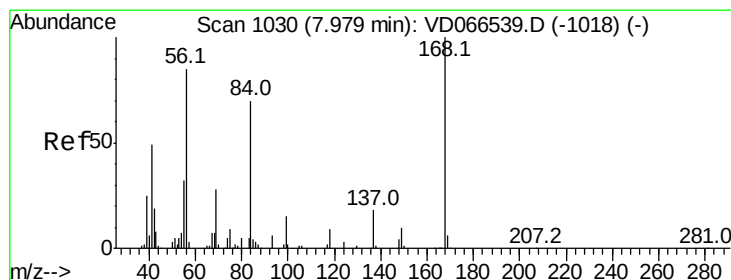
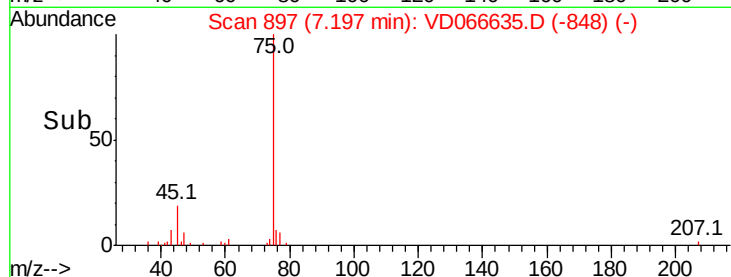
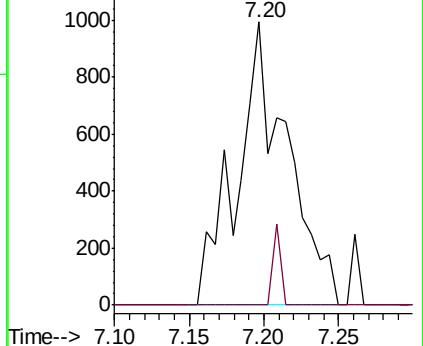
43 100

72 0.0 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.589 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066635.D

Acq: 11 Sep 2020 02:12

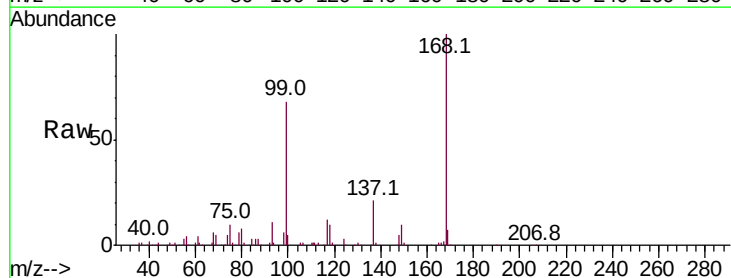
Tgt Ion: 56 Resp: 11151

Ion Ratio Lower Upper

56 100

69 150.4 26.3 39.5#

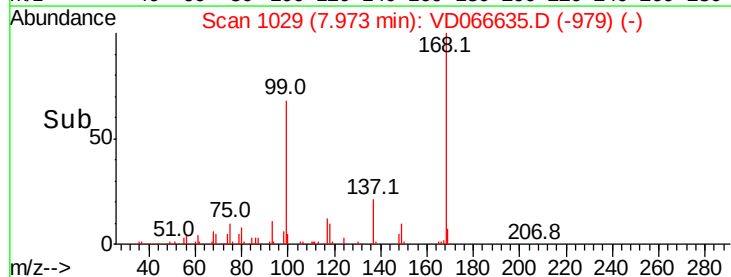
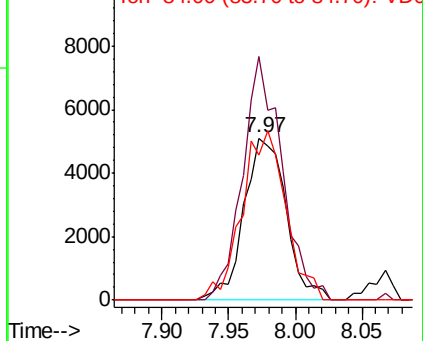
84 89.4 66.1 99.1

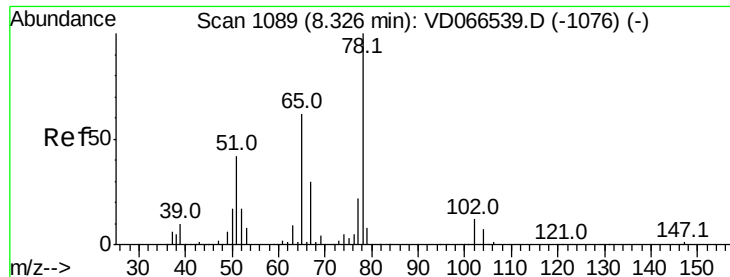


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

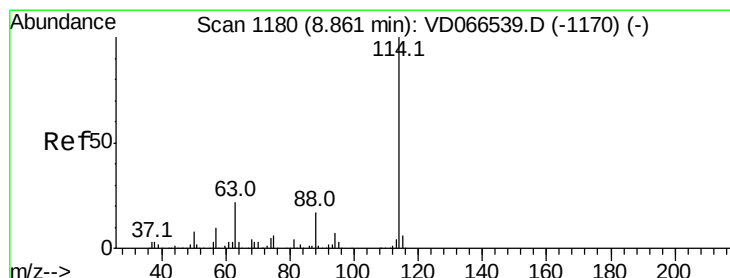
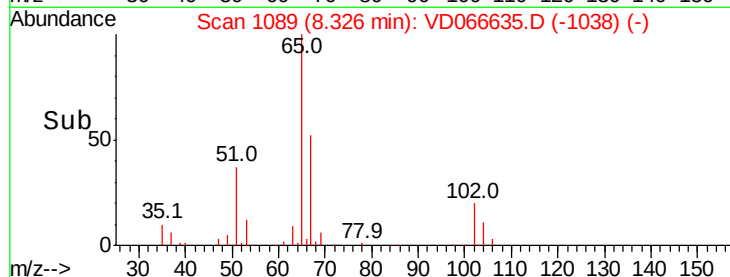
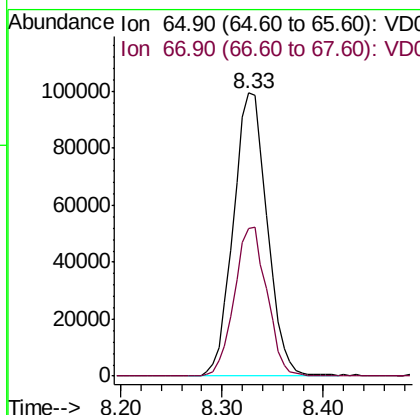
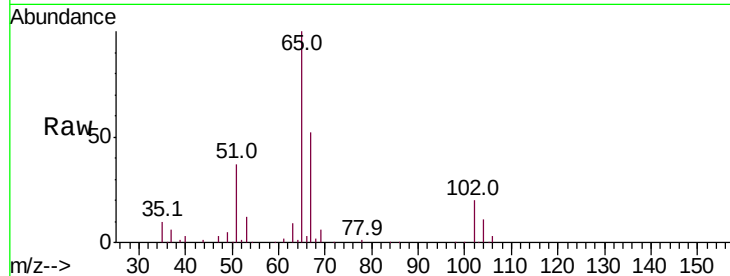




#33
 1,2-Dichloroethane-d4
 Concen: 53.694 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066635.D
 Acq: 11 Sep 2020 02:12

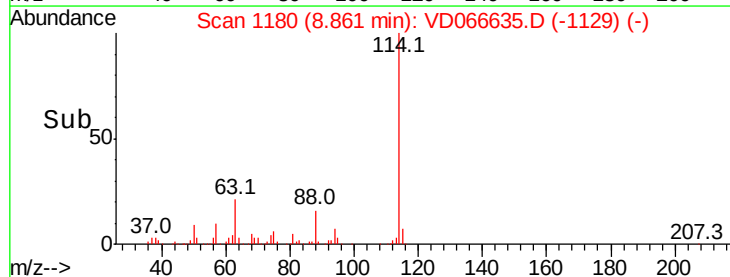
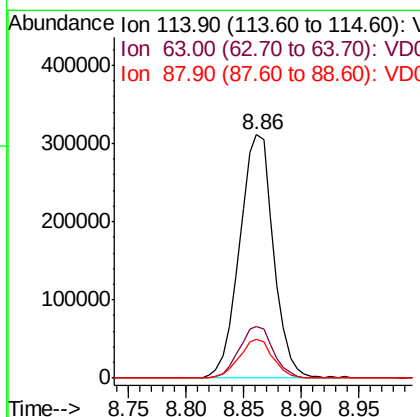
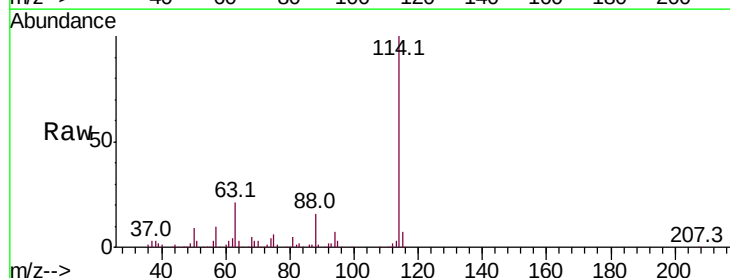
Instrument :
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 ClientSampleId :
 BSY-SB-03-5.0-6.0

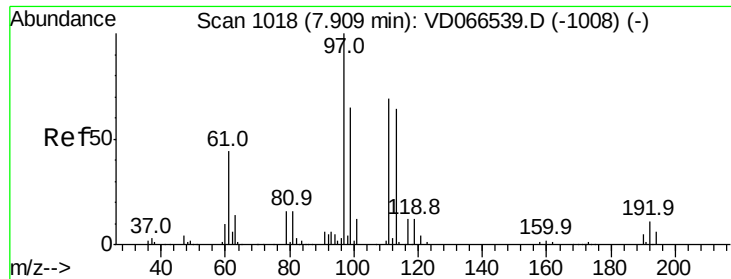
Tot Ion: 65 Resp: 231034
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066635.D
 Acq: 11 Sep 2020 02:12

Tgt Ion: 114 Resp: 634544
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.0 0.0 33.2

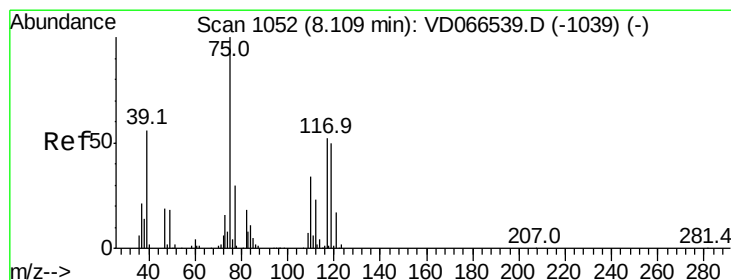
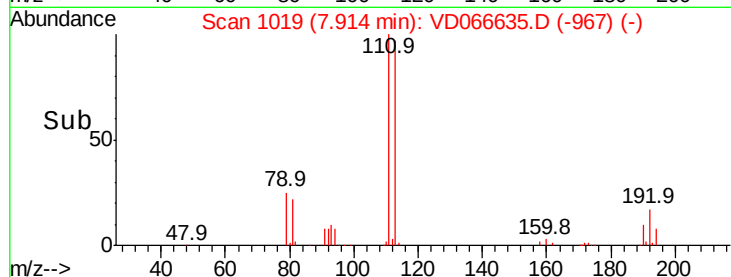
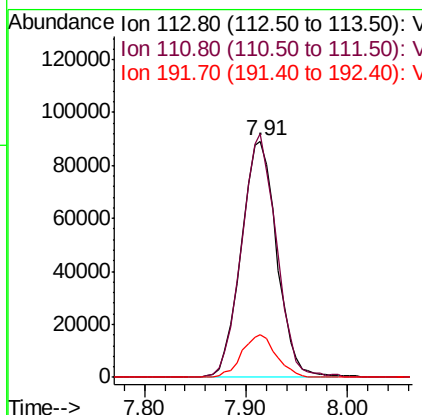
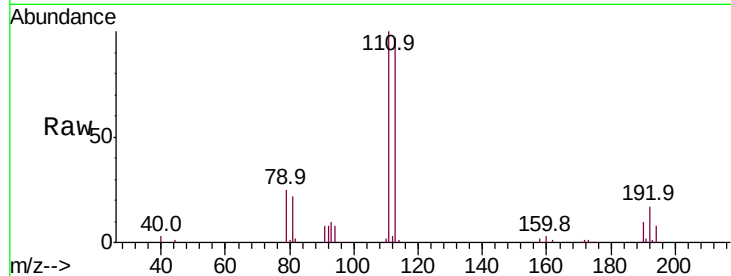




#35
 Dibromofluoromethane
 Concen: 50.700 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066635.D
 Acq: 11 Sep 2020 02:12

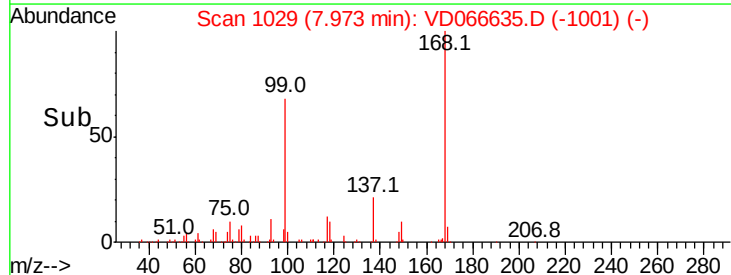
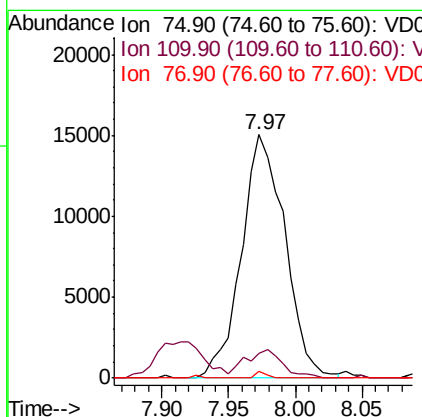
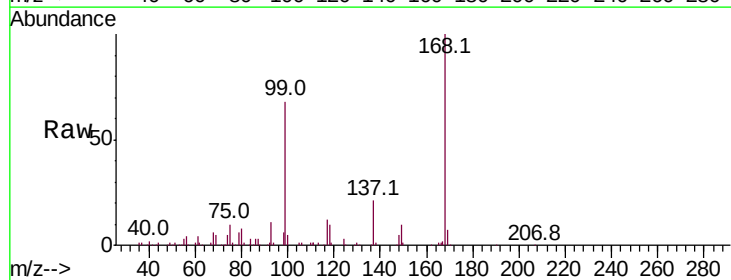
Instrument :
 MSVOA_D
 ClientSampleId :
 BSY-SB-03-5.0-6.0

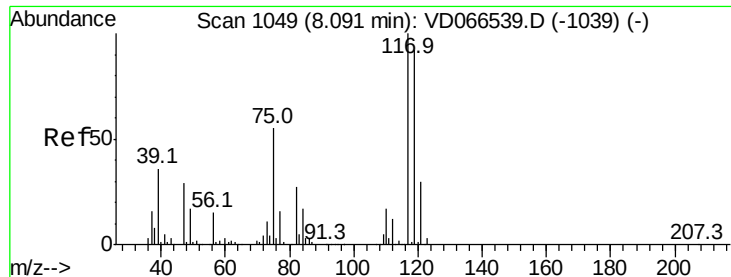
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.2	124.8
192	17.5	13.7	20.5



#36
 1,1-Dichloropropene
 Concen: 5.137 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066635.D
 Acq: 11 Sep 2020 02:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	17.3	52.0#
77	0.6	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 5.716 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066635.D

Acq: 11 Sep 2020 02:12

Instrument :

MSVOA_D

ClientSampleId :

BSY-SB-03-5.0-6.0

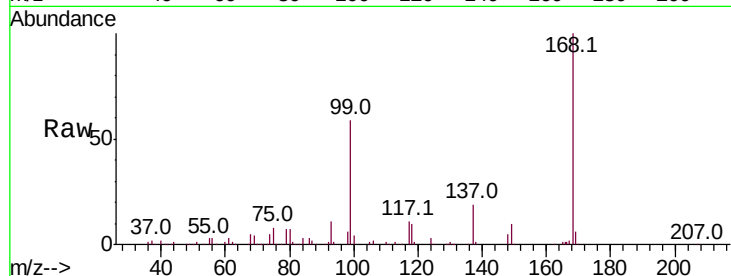
Tot Ion:117 Resp: 39896

Ion Ratio Lower Upper

117 100

119 6.2 73.9 110.9#

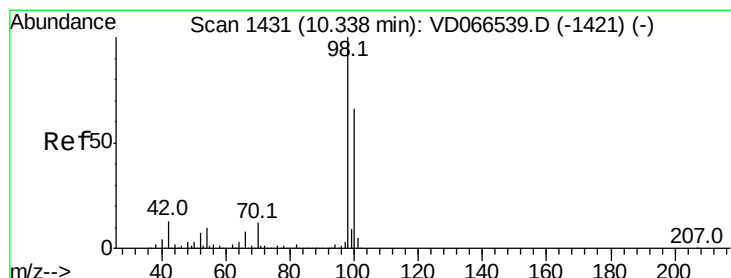
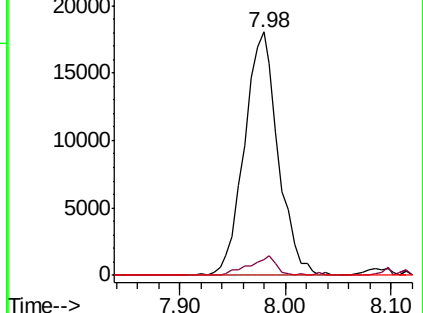
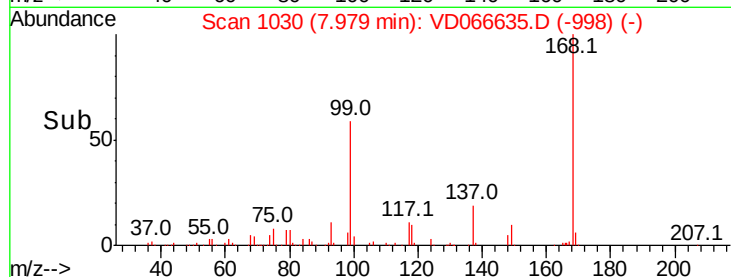
121 0.0 24.1 36.1#



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



#50

Toluene-d8

Concen: 50.768 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066635.D

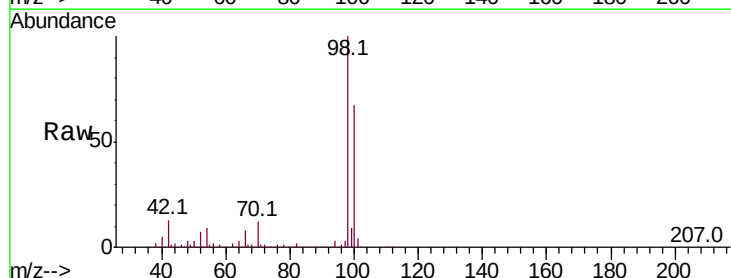
Acq: 11 Sep 2020 02:12

Tgt Ion: 98 Resp: 776742

Ion Ratio Lower Upper

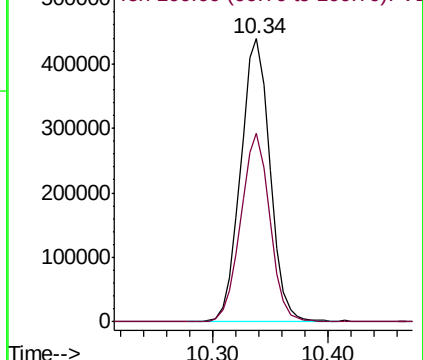
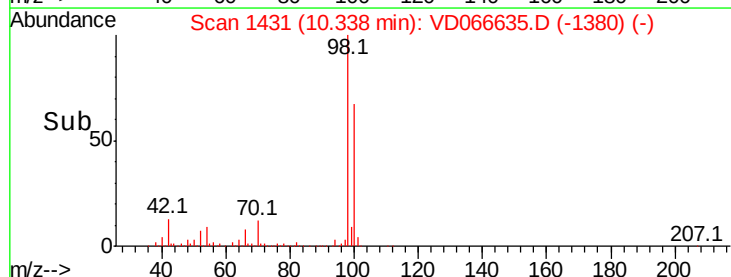
98 100

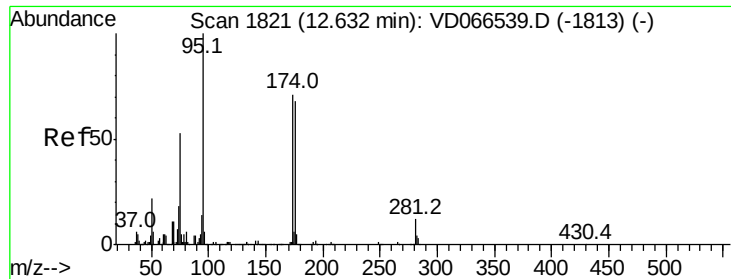
100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

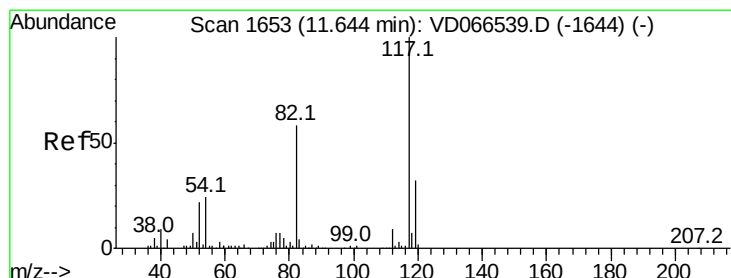
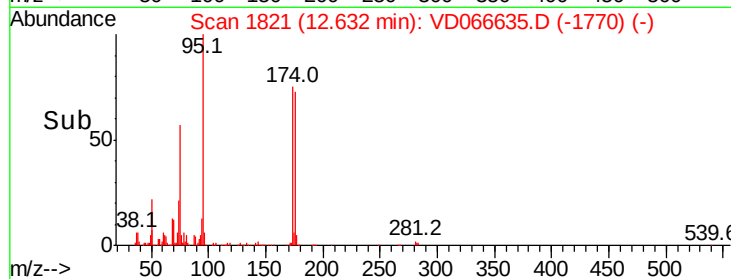
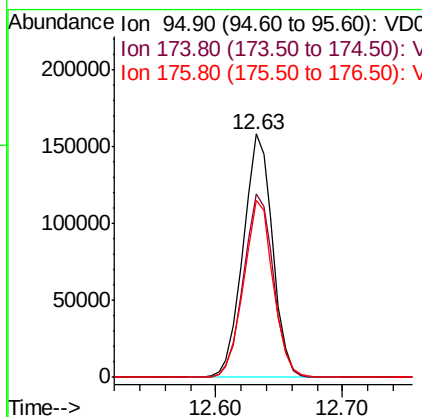
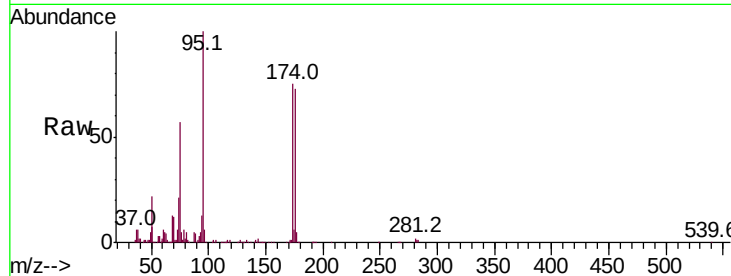




#62
4-Bromofluorobenzene
Concen: 49.959 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066635.D
Acq: 11 Sep 2020 02:12

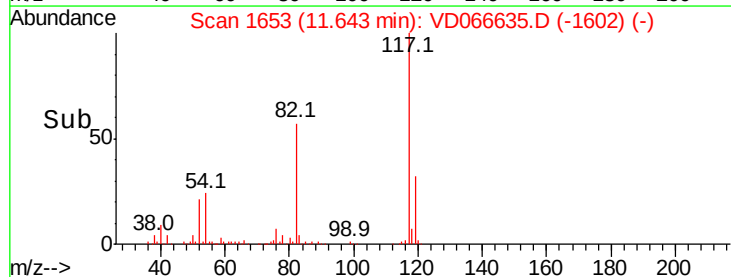
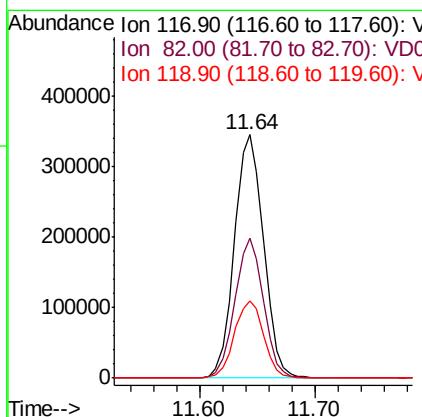
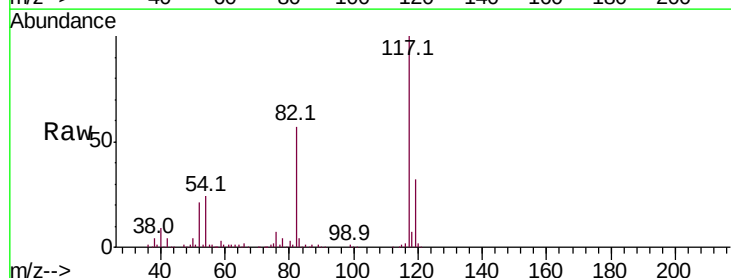
Instrument :
MSVOA_D
ClientSampleId :
BSY-SB-03-5.0-6.0

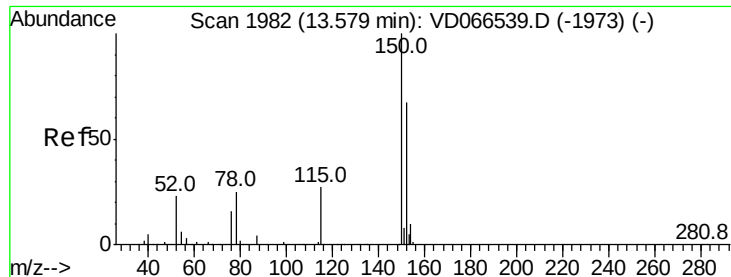
Tot Ion: 95 Resp: 253453
Ion Ratio Lower Upper
95 100
174 76.9 0.0 155.8
176 73.1 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066635.D
Acq: 11 Sep 2020 02:12

Tgt Ion: 117 Resp: 602937
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.2
119 31.6 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: VD066635.D

Acq: 11 Sep 2020 02:12

Instrument :

MSVOA_D

ClientSampleId :

BSY-SB-03-5.0-6.0

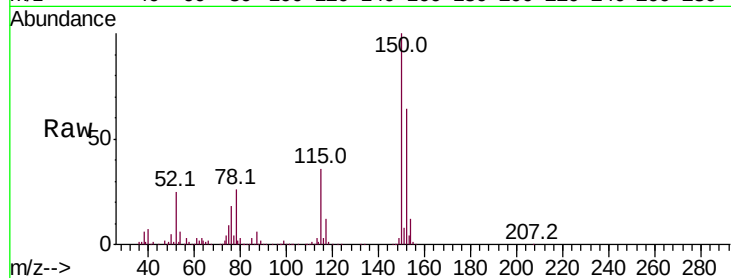
Tot Ion:152 Resp: 259617

Ion Ratio Lower Upper

152 100

115 61.6 30.4 91.2

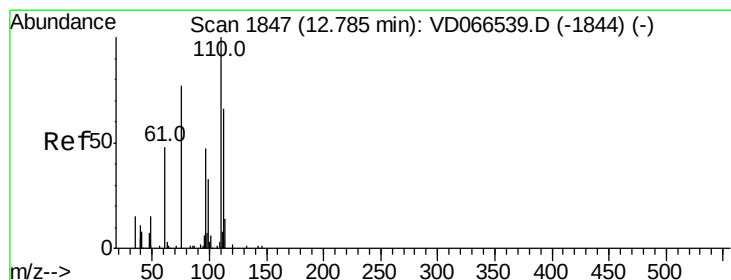
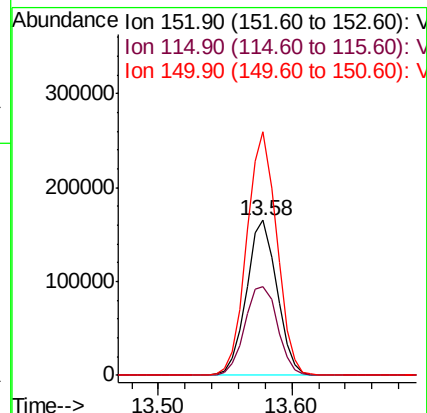
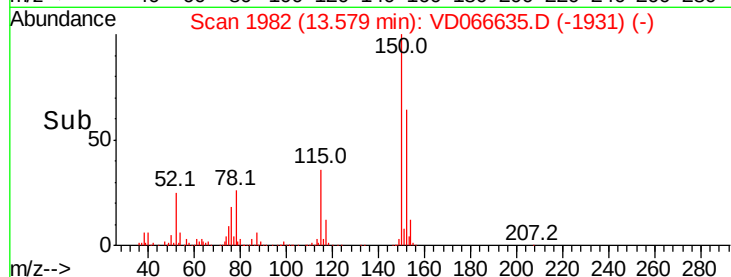
150 155.2 0.0 345.8



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: 57.128 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066635.D

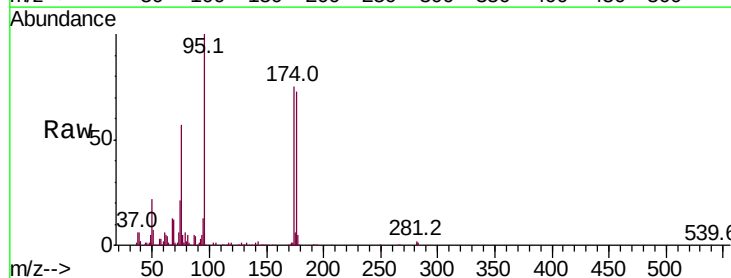
Acq: 11 Sep 2020 02:12

Tgt Ion: 75 Resp: 142639

Ion Ratio Lower Upper

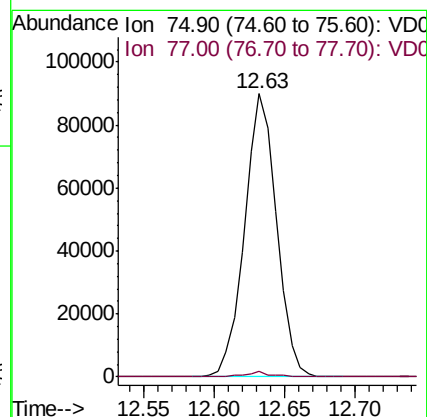
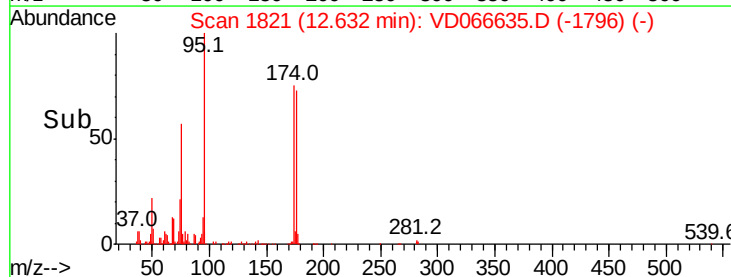
75 100

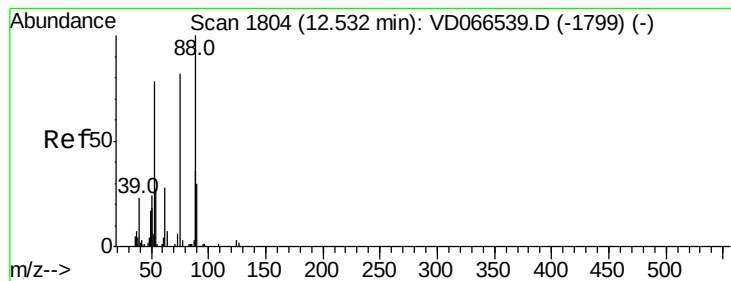
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 133.374 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066635.D

Acq: 11 Sep 2020 02:12

Instrument :

MSVOA_D

ClientSampleId :

BSY-SB-03-5.0-6.0

Tot Ion: 75 Resp: 142639

Ion Ratio Lower Upper

75 100

53 0.2 87.0 130.4#

89 0.0 37.1 55.7#

