

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066634.D
 Acq On : 11 Sep 2020 01:44
 Operator : VA/SY
 Sample : L3937-03
 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BSY-SB-02-5.0-6.0

Quant Time: Sep 11 03:24:14 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	366787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	658418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	625279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269866	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	239438	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	7.91	113	225592	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.34	98	811739	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.63	95	267855	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

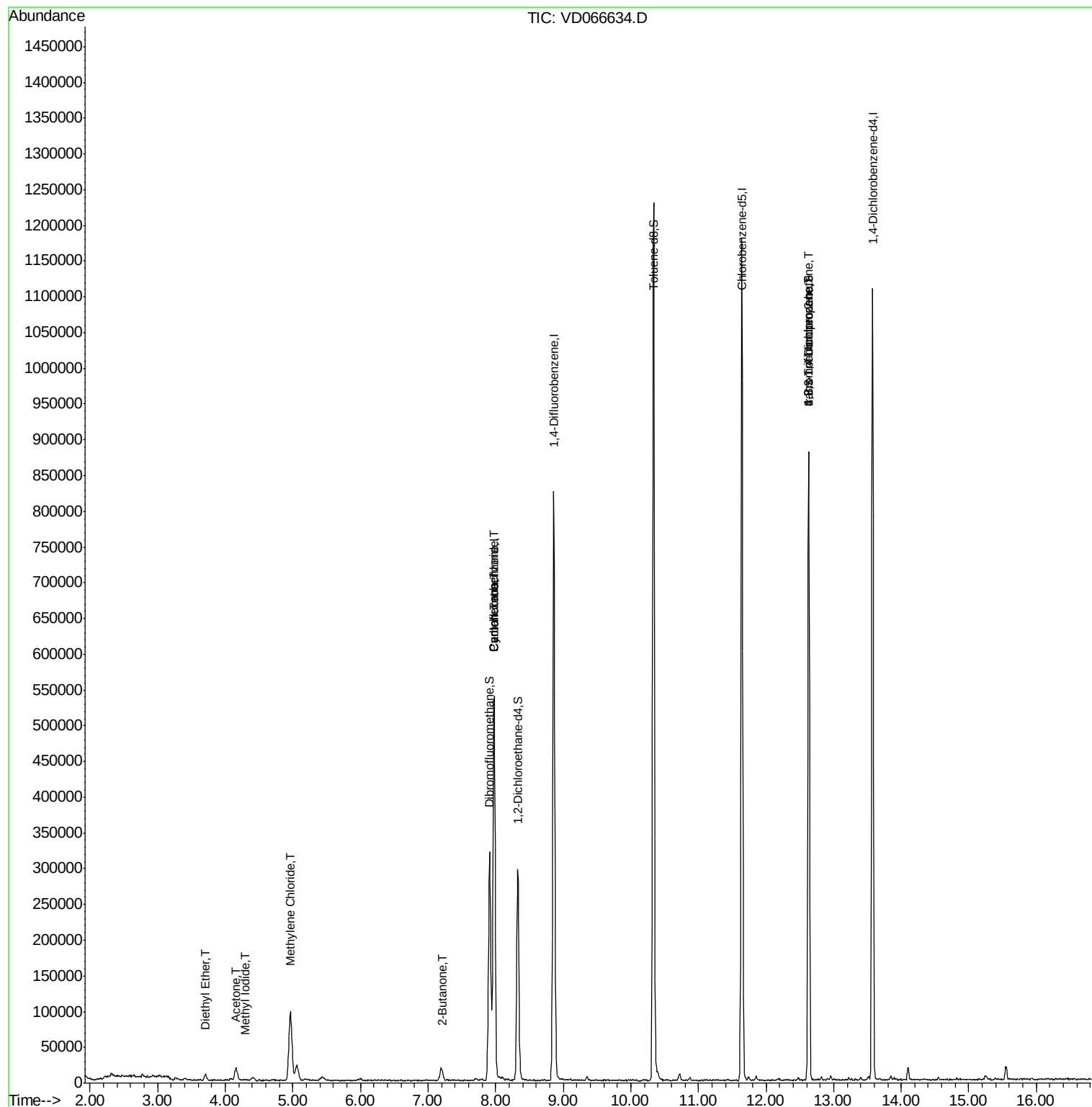
					Qvalue
2) Dichlorodifluoromethane	1.99	85	1093	Below Cal	83
5) Bromomethane	2.77	94	1981	Below Cal	85
8) Diethyl Ether	3.71	74	4047	2.115 ug/l	97
10) Methyl Iodide	4.30	142	1415	4.370 ug/l #	64
11) Tert butyl alcohol	5.20	59	2329	Below Cal #	74
16) Acetone	4.16	43	32723	40.075 ug/l	94
20) Methylene Chloride	4.97	84	72957	11.268 ug/l	96
25) 2-Butanone	7.21	43	4859	4.433 ug/l #	88
31) Cyclohexane	7.97	56	12226	1.689 ug/l #	52
38) Carbon Tetrachloride	7.97	117	42932	5.928 ug/l #	18
76) 1,2,3-Trichloropropane	12.63	75	152812	58.878 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	152812	137.460 ug/l #	7

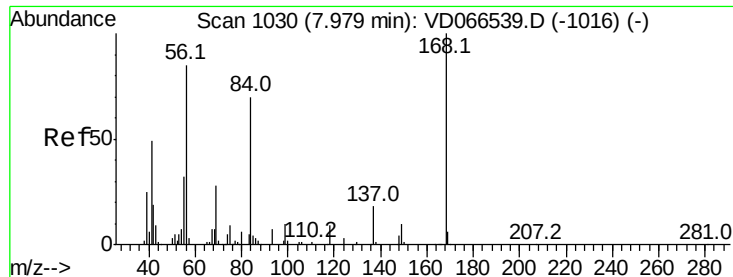
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066634.D

Acq: 11 Sep 2020 01:44

Instrument :

MSVOA_D

ClientSampleId :

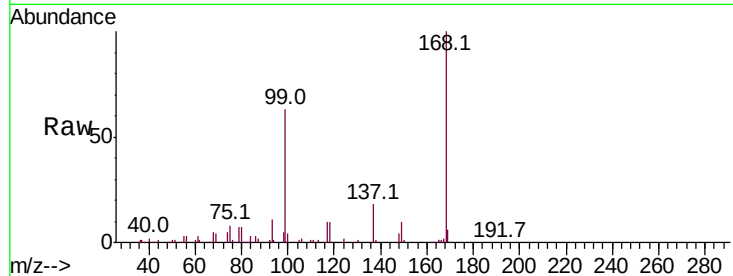
BSY-SB-02-5.0-6.0

Tot Ion:168 Resp: 366787

Ion Ratio Lower Upper

168 100

99 63.0 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

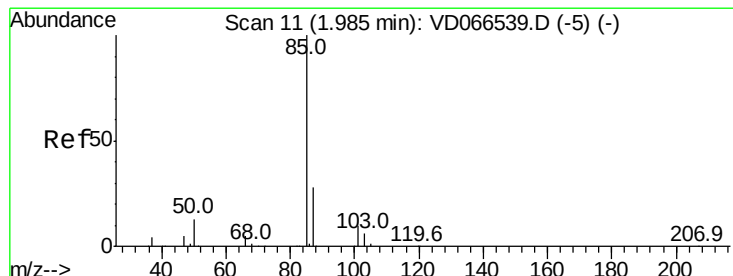
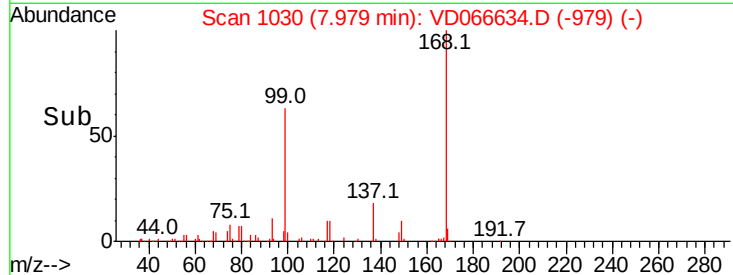
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066634.D

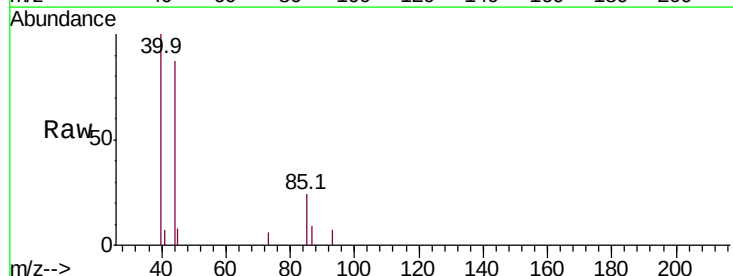
Acq: 11 Sep 2020 01:44

Tgt Ion: 85 Resp: 1093

Ion Ratio Lower Upper

85 100

87 37.2 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

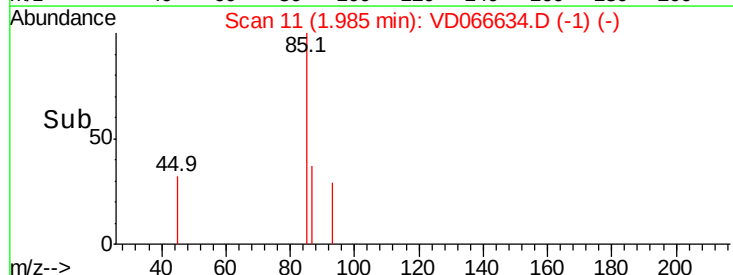
600

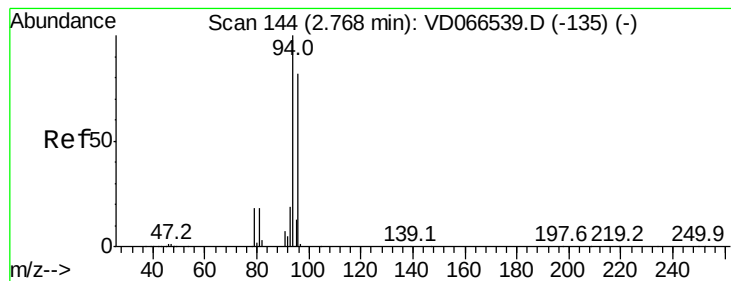
400

200

0

Time--> 1.95 2.00





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Instrument :

MSVOA_D

ClientSampleId :

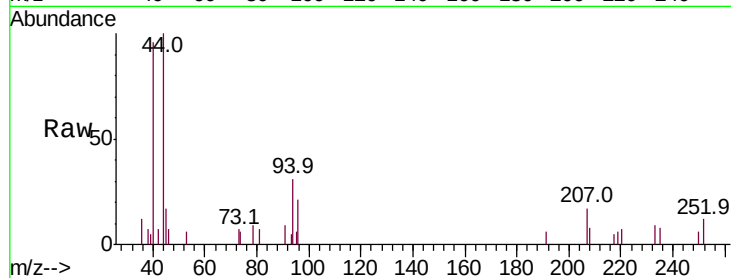
BSY-SB-02-5.0-6.0

Tot Ion: 94 Resp: 1981

Ion Ratio Lower Upper

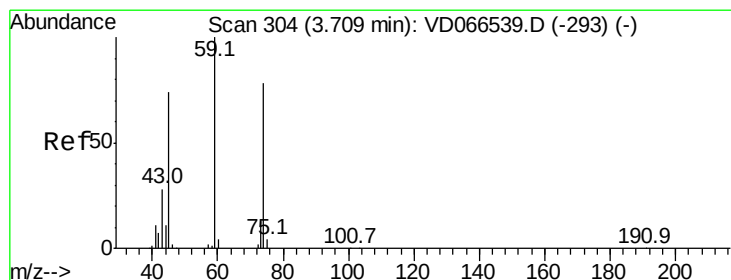
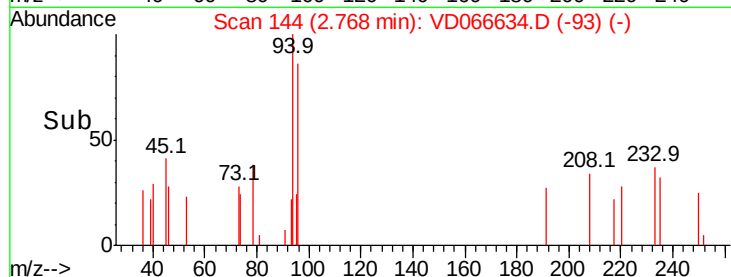
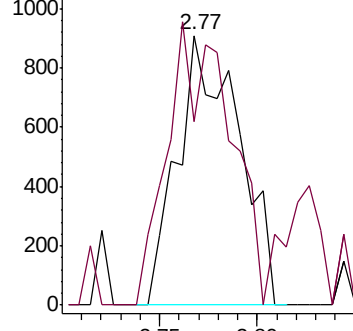
94 100

96 68.2 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: 2.115 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD066634.D

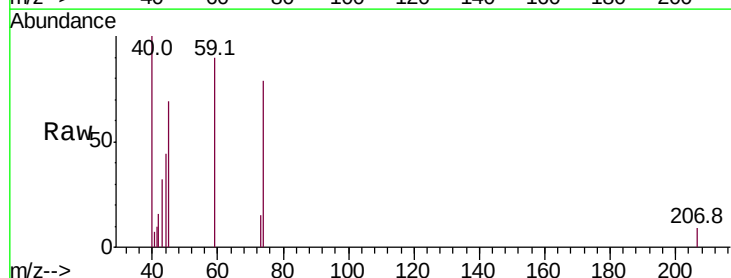
Acq: 11 Sep 2020 01:44

Tgt Ion: 74 Resp: 4047

Ion Ratio Lower Upper

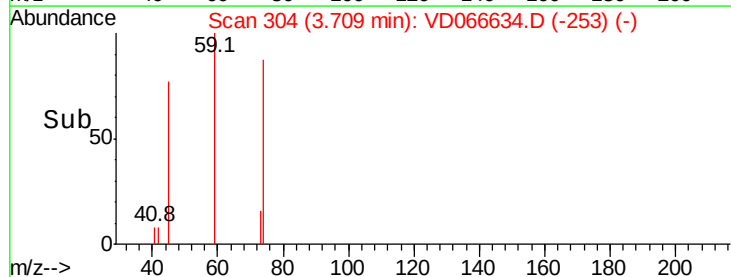
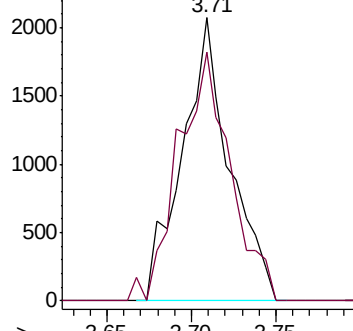
74 100

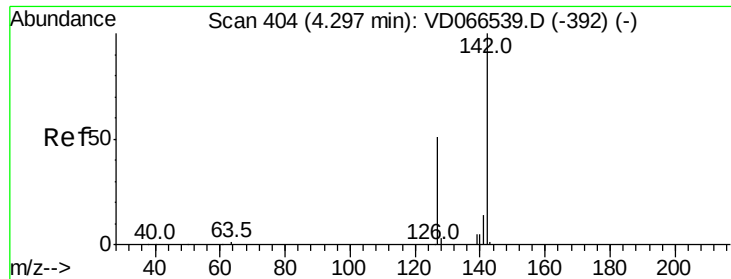
45 96.6 49.7 149.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

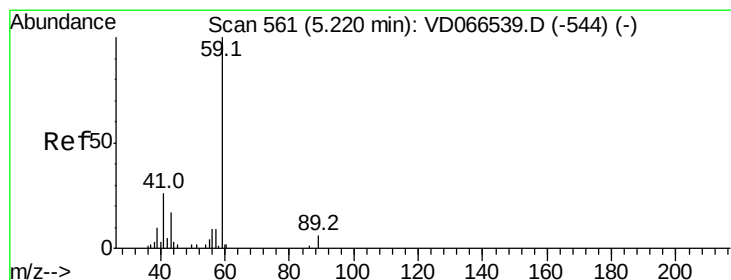
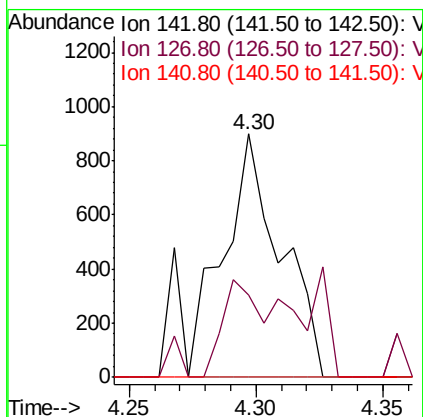
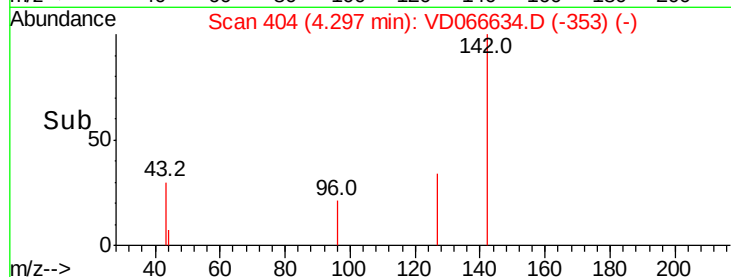
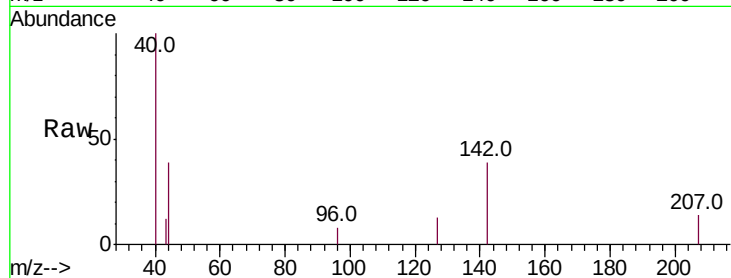




#10
Methyl Iodide
Concen: 4.370 ug/l
RT: 4.30 min Scan# 404
Delta R.T. 0.00 min
Lab File: VD066634.D
Acq: 11 Sep 2020 01:44

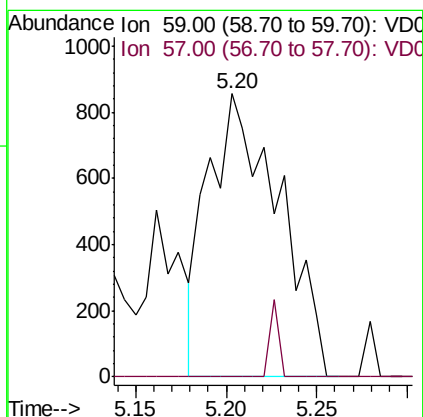
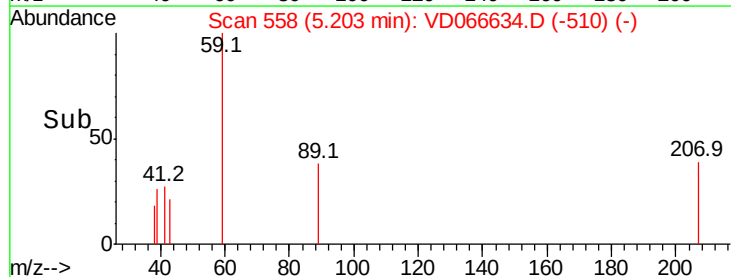
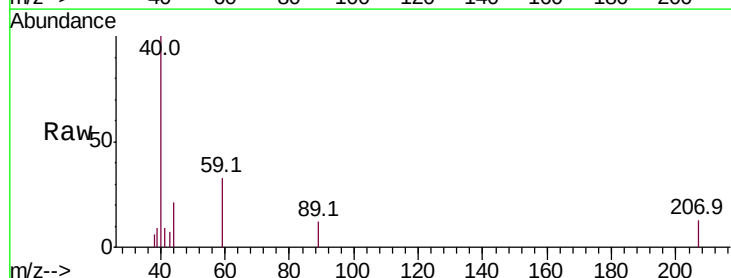
Instrument :
MSVOA_D
ClientSampleId :
BSY-SB-02-5.0-6.0

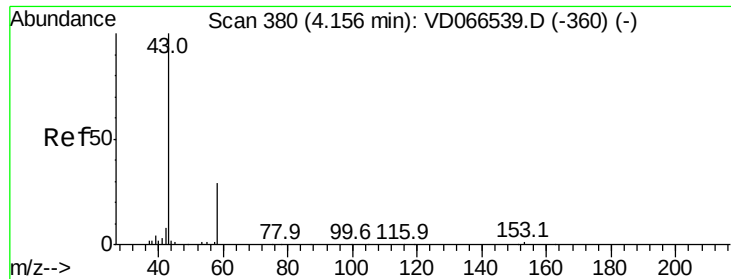
Tot Ion:142 Resp: 1415
Ion Ratio Lower Upper
142 100
127 25.6 40.6 61.0#
141 0.0 12.2 18.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066634.D
Acq: 11 Sep 2020 01:44

Tgt Ion: 59 Resp: 2329
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#





#16

Acetone

Concen: 40.075 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Instrument :

MSVOA_D

ClientSampleId :

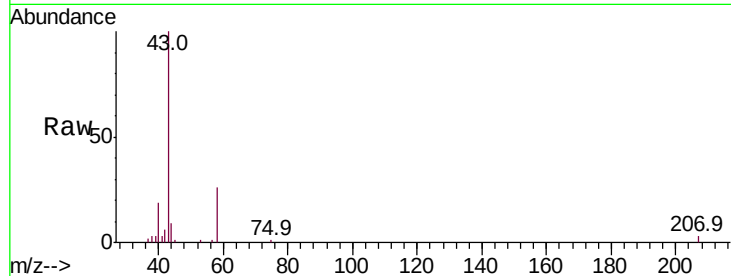
BSY-SB-02-5.0-6.0

Tot Ion: 43 Resp: 32723

Ion Ratio Lower Upper

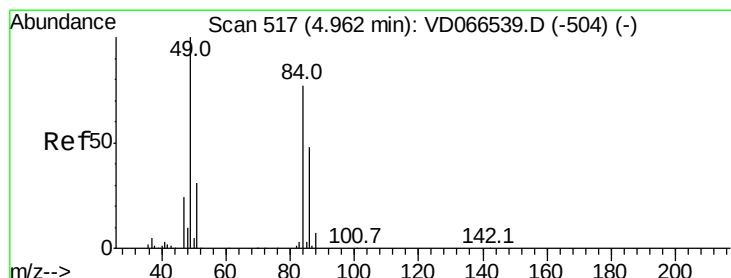
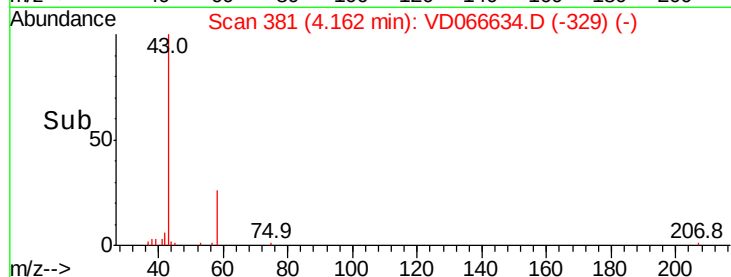
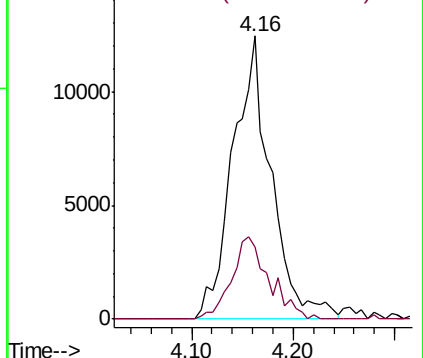
43 100

58 25.6 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: 11.268 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Tgt Ion: 84 Resp: 72957

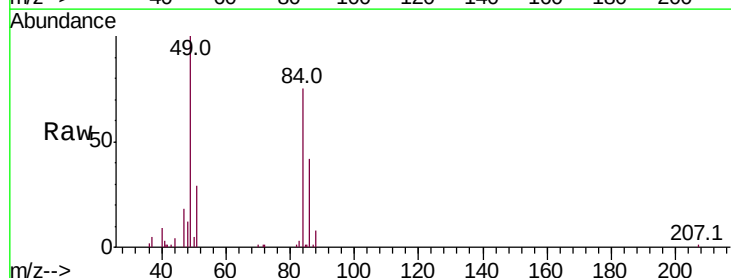
Ion Ratio Lower Upper

84 100

49 132.5 104.3 156.5

51 38.2 32.2 48.4

86 55.7 50.0 75.0

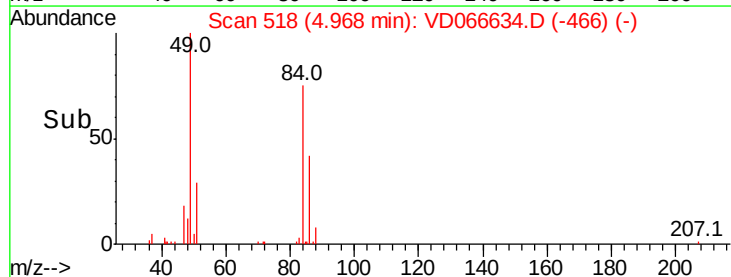
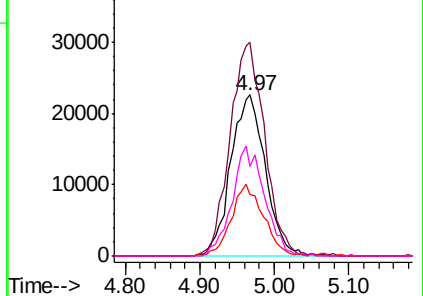


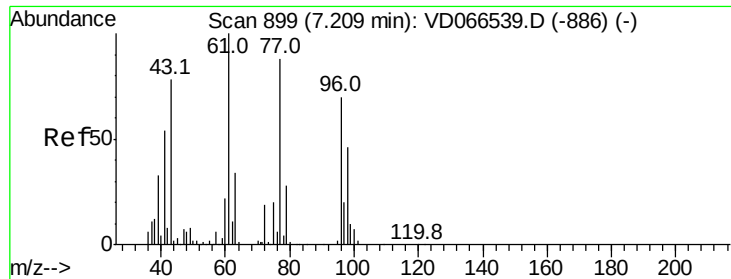
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

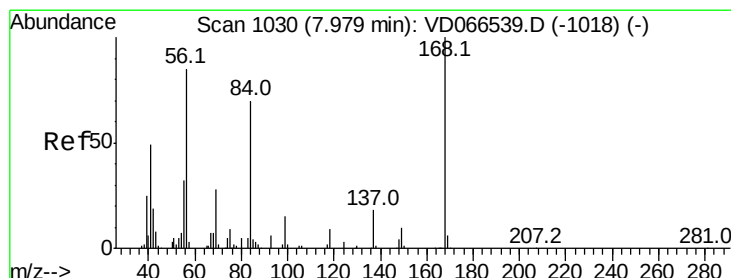
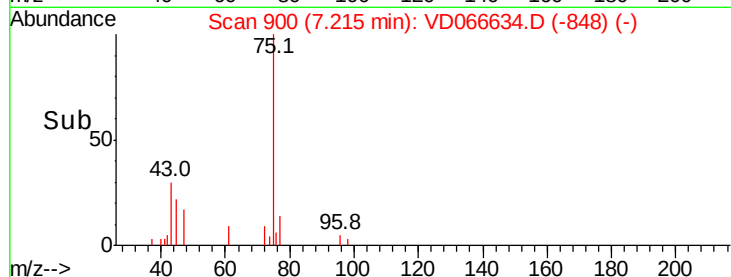
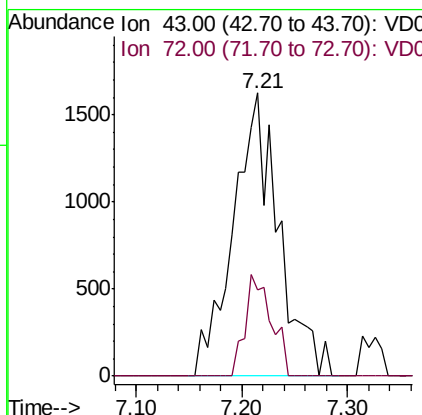
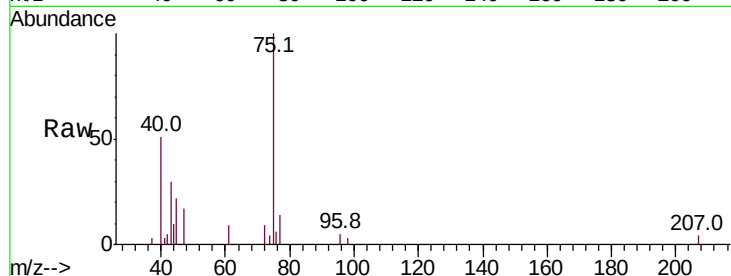




#25
2-Butanone
Concen: 4.433 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066634.D
Acq: 11 Sep 2020 01:44

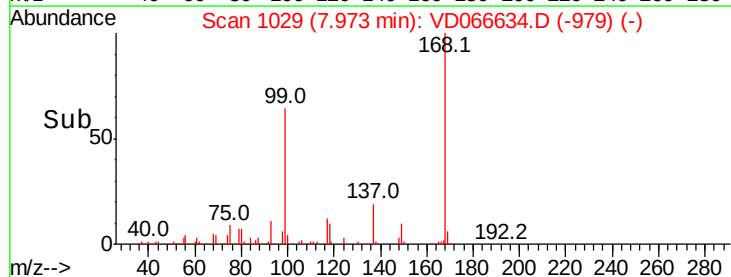
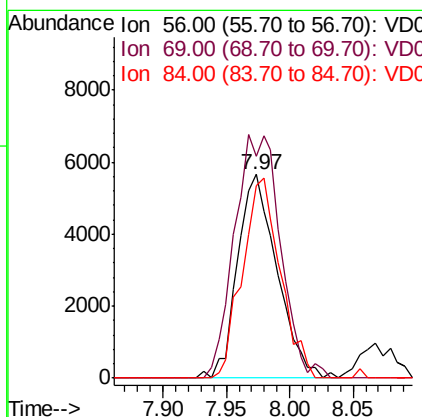
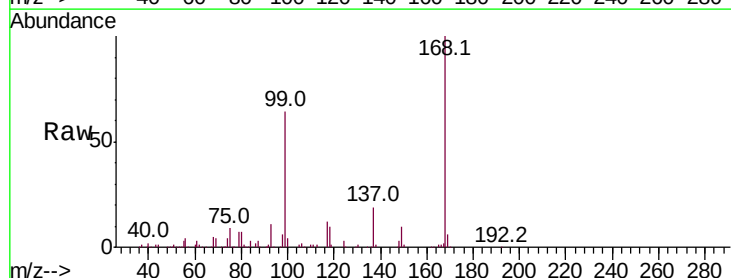
Instrument :
MSVOA_D
ClientSampleId :
BSY-SB-02-5.0-6.0

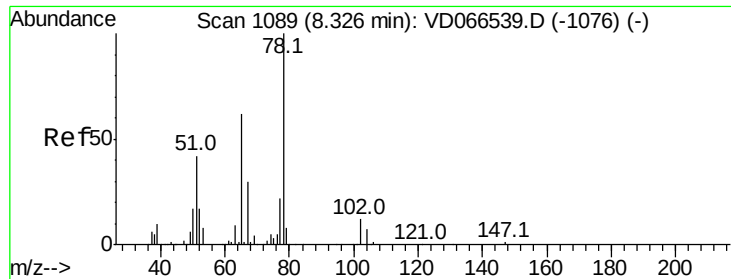
Tot Ion: 43 Resp: 4859
Ion Ratio Lower Upper
43 100
72 30.6 19.8 29.6#



#31
Cyclohexane
Concen: 1.689 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066634.D
Acq: 11 Sep 2020 01:44

Tgt Ion: 56 Resp: 12226
Ion Ratio Lower Upper
56 100
69 109.0 26.3 39.5#
84 94.2 66.1 99.1





#33

1,2-Dichloroethane-d4

Concen: 53.955 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. 0.00 min

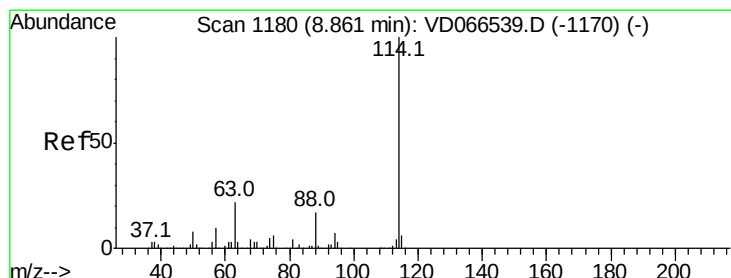
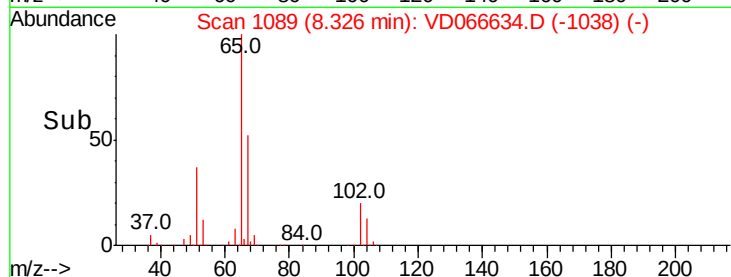
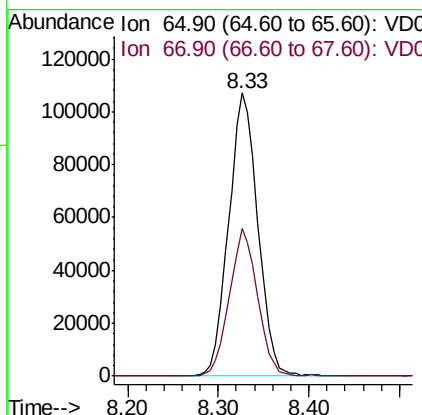
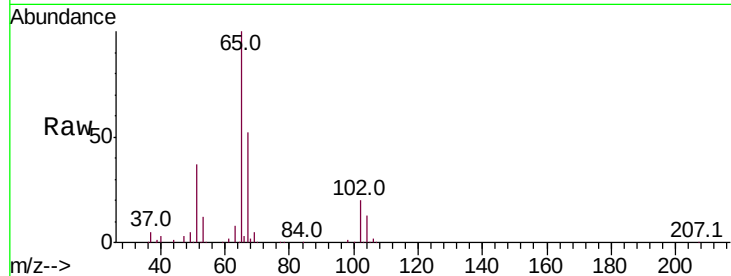
Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Instrument :
MSVOA_D
ClientSampleId :
BSY-SB-02-5.0-6.0

Tot Ion: 65 Resp: 239438

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

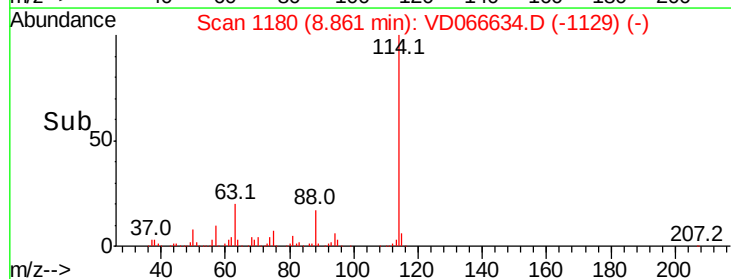
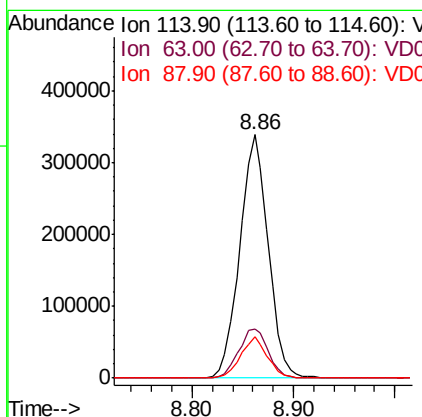
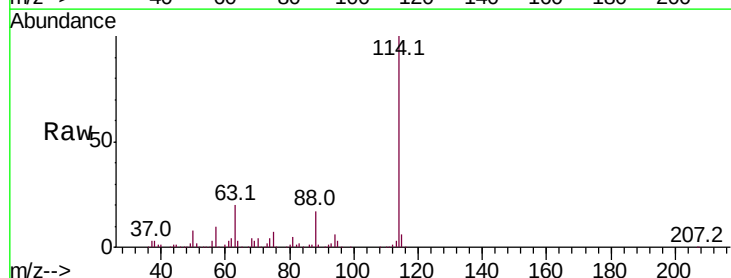
Delta R.T. 0.00 min

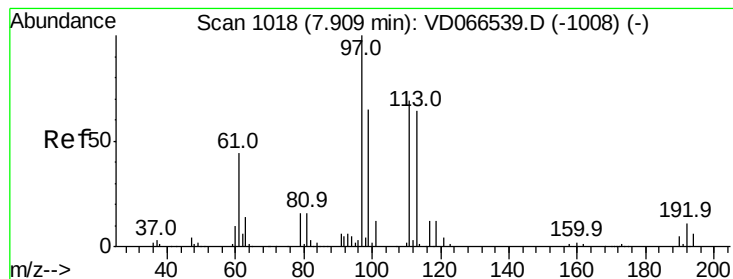
Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Tgt Ion: 114 Resp: 658418

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.2
88	17.1	0.0	33.2





#35

Dibromofluoromethane

Concen: 50.789 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Instrument :

MSVOA_D

ClientSampleId :

BSY-SB-02-5.0-6.0

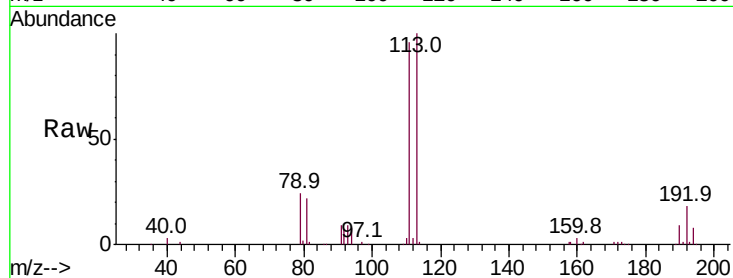
Tot Ion:113 Resp: 225592

Ion Ratio Lower Upper

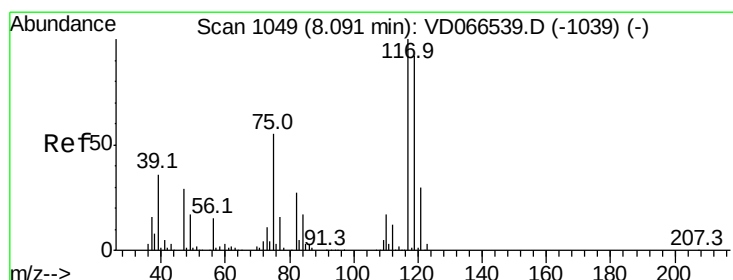
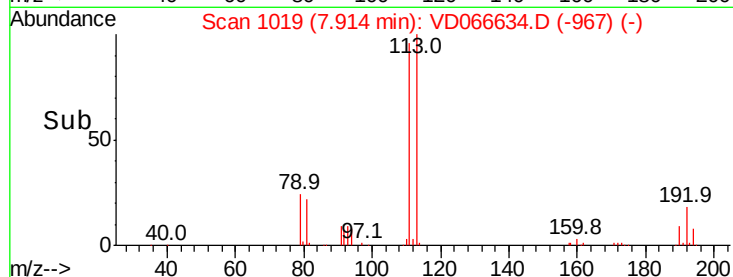
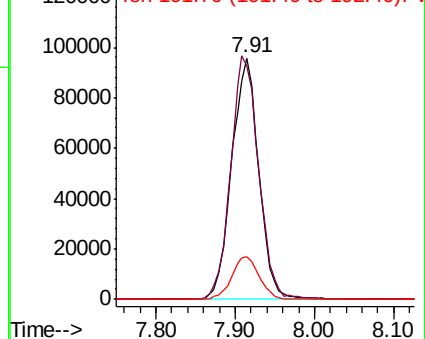
113 100

111 103.9 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



#38

Carbon Tetrachloride

Concen: 5.928 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

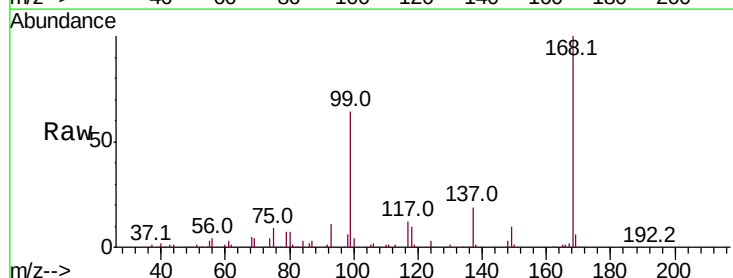
Tgt Ion:117 Resp: 42932

Ion Ratio Lower Upper

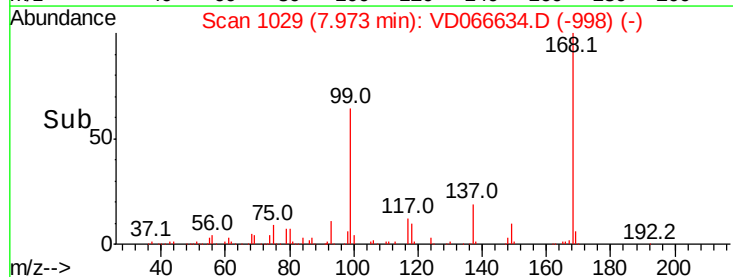
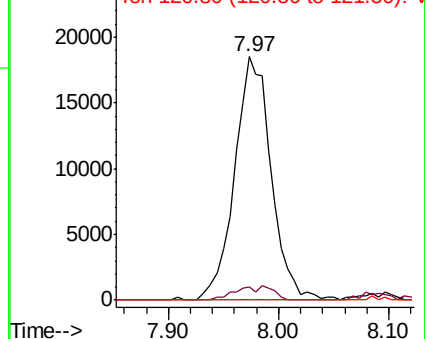
117 100

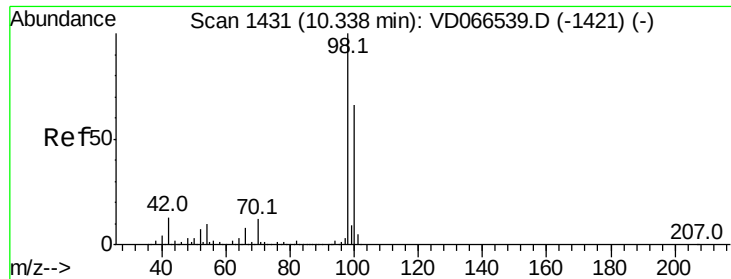
119 5.2 73.9 110.9#

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

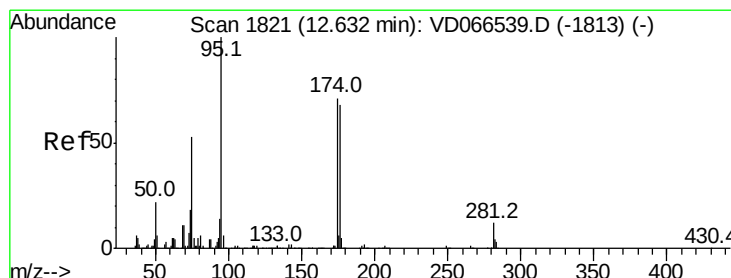
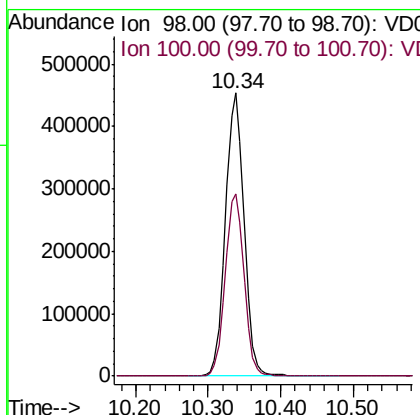
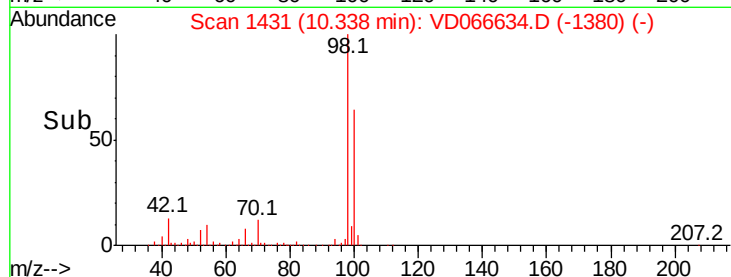
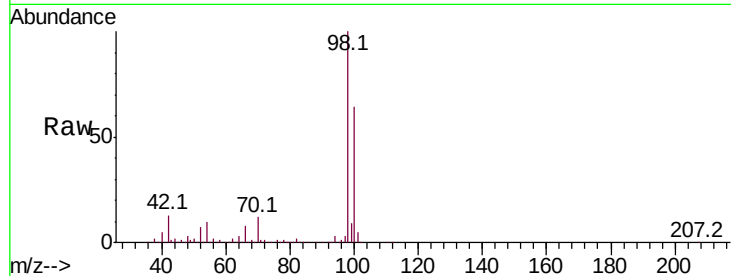




#50
Toluene-d8
Concen: 51.132 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066634.D
Acq: 11 Sep 2020 01:44

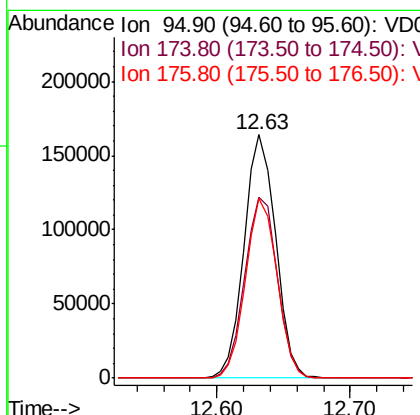
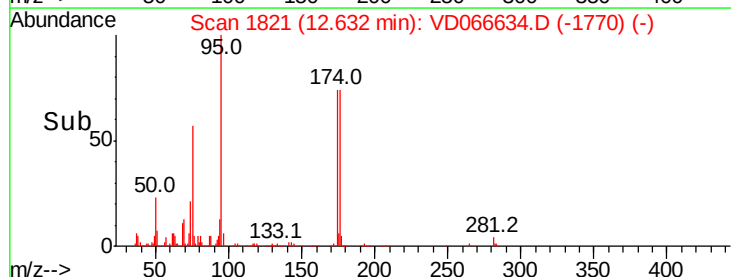
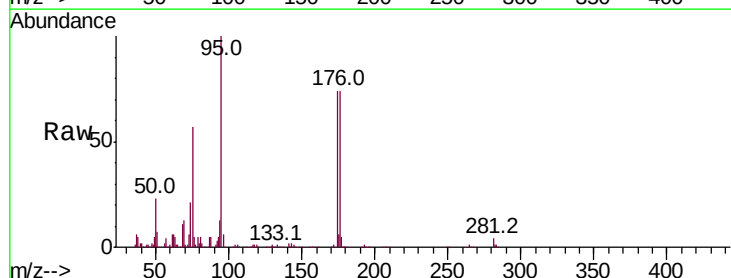
Instrument :
MSVOA_D
ClientSampleId :
BSY-SB-02-5.0-6.0

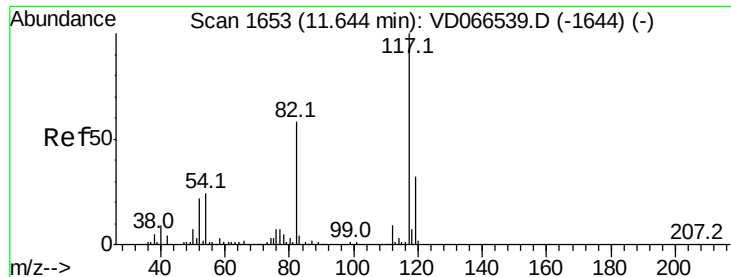
Tot Ion: 98 Resp: 811739
Ion Ratio Lower Upper
98 100
100 65.1 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 50.883 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066634.D
Acq: 11 Sep 2020 01:44

Tgt Ion: 95 Resp: 267855
Ion Ratio Lower Upper
95 100
174 76.7 0.0 155.8
176 73.8 0.0 148.6

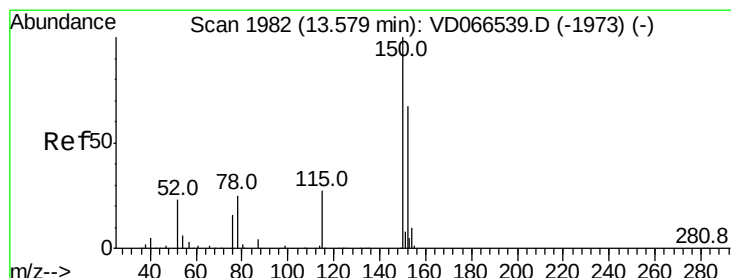
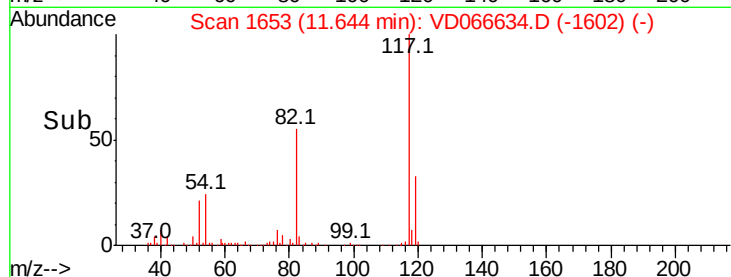
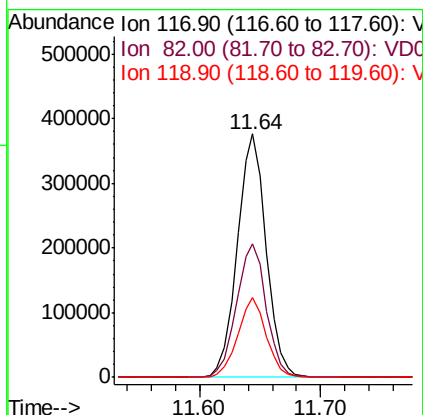
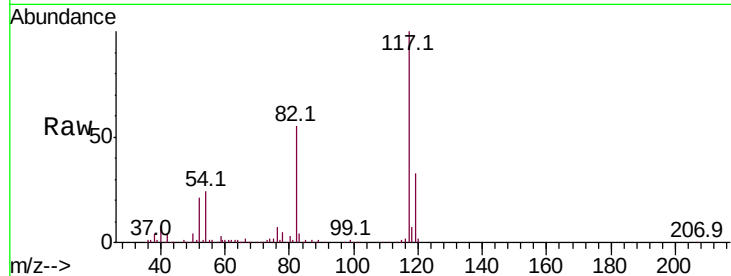




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066634.D
Acq: 11 Sep 2020 01:44

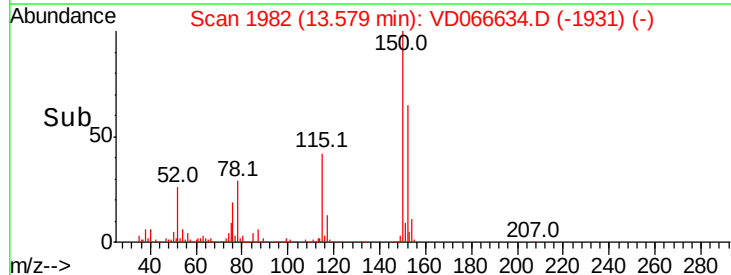
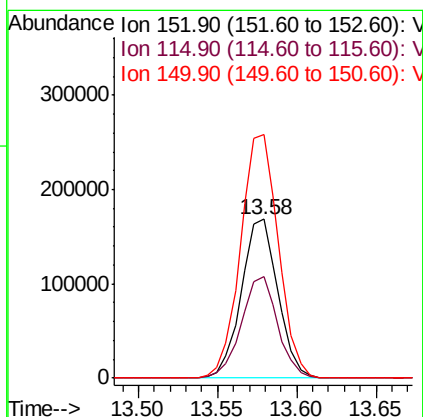
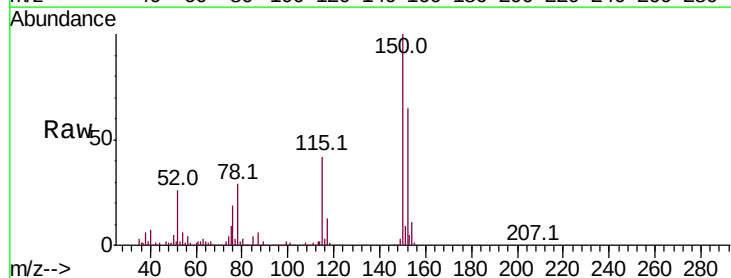
Instrument :
MSVOA_D
ClientSampleId :
BSY-SB-02-5.0-6.0

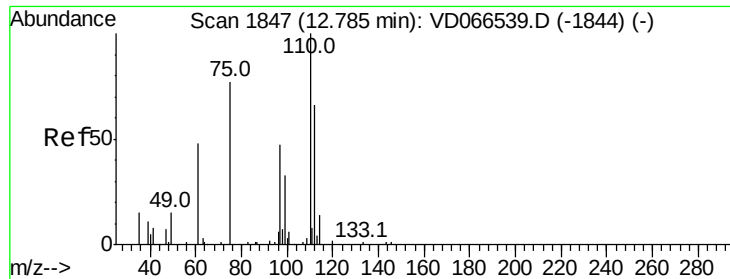
Tot Ion:117 Resp: 625279
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.2
119 32.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066634.D
Acq: 11 Sep 2020 01:44

Tgt Ion:152 Resp: 269866
Ion Ratio Lower Upper
152 100
115 63.4 30.4 91.2
150 158.5 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 58.878 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

Instrument :

MSVOA_D

ClientSampleId :

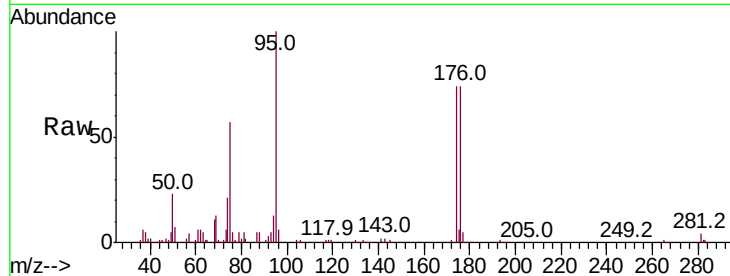
BSY-SB-02-5.0-6.0

Tot Ion: 75 Resp: 152812

Ion Ratio Lower Upper

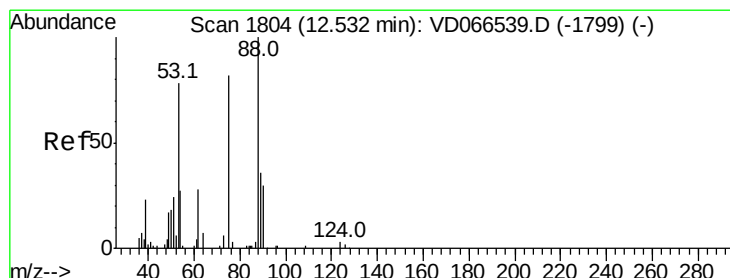
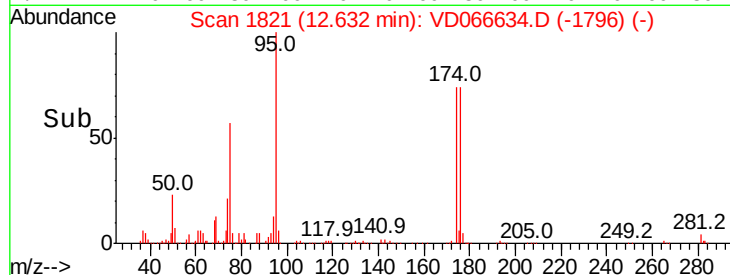
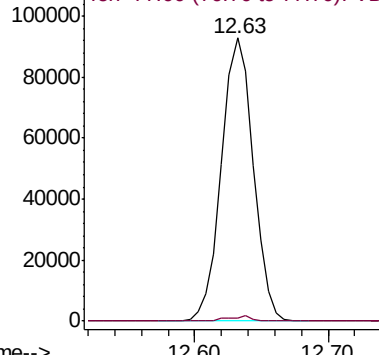
75 100

77 1.5 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: 137.460 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066634.D

Acq: 11 Sep 2020 01:44

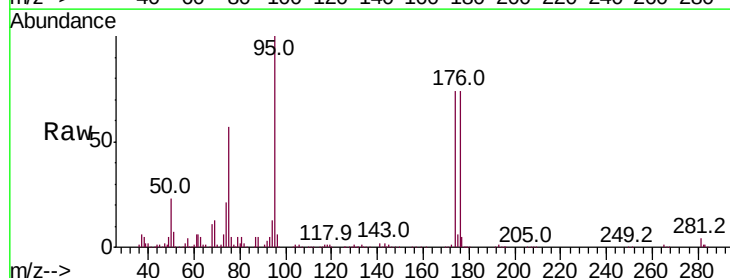
Tgt Ion: 75 Resp: 152812

Ion Ratio Lower Upper

75 100

53 0.1 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

