

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066603.D
 Acq On : 10 Sep 2020 02:11
 Operator : VA/SY
 Sample : L3870-01
 Misc : 6.62G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-090820

Quant Time: Sep 10 02:40:19 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	335838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	672452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	627104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286927	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	241278	59.38	ug/l	0.00
Spiked Amount			Recovery	=	118.76%	
35) Dibromofluoromethane	7.91	113	234052	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
50) Toluene-d8	10.34	98	836183	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.63	95	280443	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	

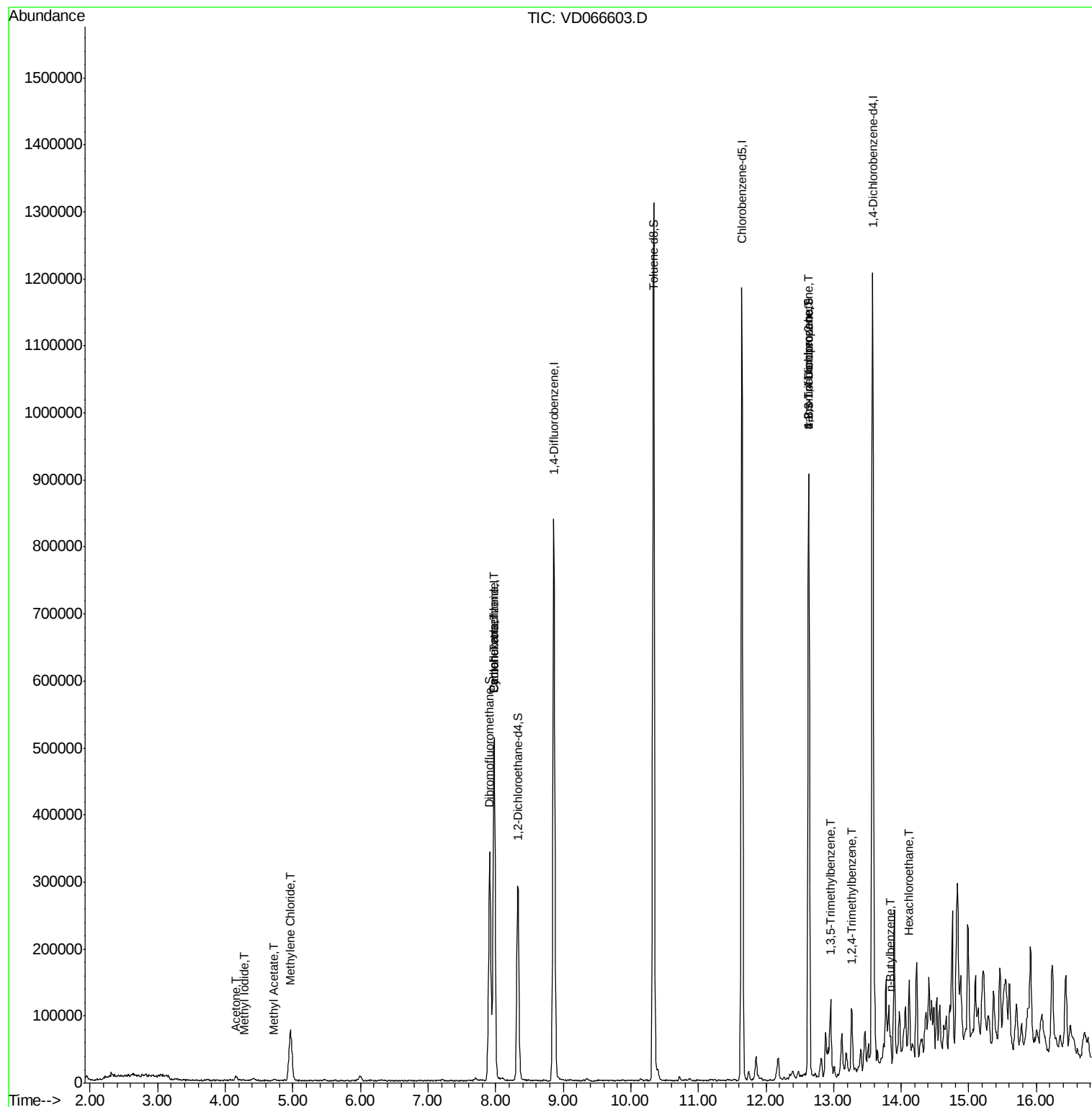
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	602	Below Cal	#	46
5) Bromomethane	2.78	94	1338	Below Cal	#	34
10) Methyl Iodide	4.29	142	205	4.078	ug/l #	74
16) Acetone	4.16	43	10562	14.127	ug/l	89
18) Methyl Acetate	4.72	43	2181	1.224	ug/l #	85
20) Methylene Chloride	4.97	84	54233	7.713	ug/l	98
31) Cyclohexane	7.98	56	10898	1.644	ug/l #	16
38) Carbon Tetrachloride	7.97	117	39901	5.394	ug/l #	19
76) 1,2,3-Trichloropropane	12.63	75	161263	58.440	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.96	105	21650	1.211	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.63	75	161263	136.436	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.27	105	50797	2.853	ug/l	100
89) n-Butylbenzene	13.84	91	27692	1.501	ug/l #	71
90) Hexachloroethane	14.12	117	6245	1.531	ug/l #	26

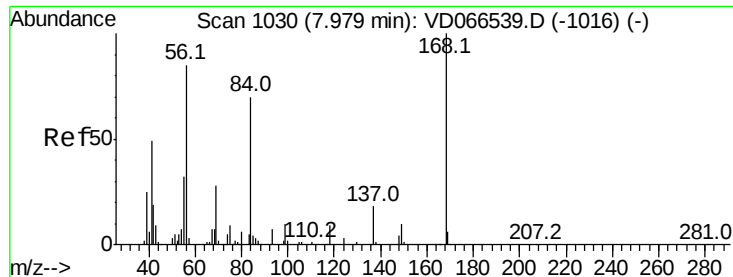
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 04 01:57:04 2020
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: VD066603.D

Acq: 10 Sep 2020 02:11

Instrument :

MSVOA_D

ClientSampleId :

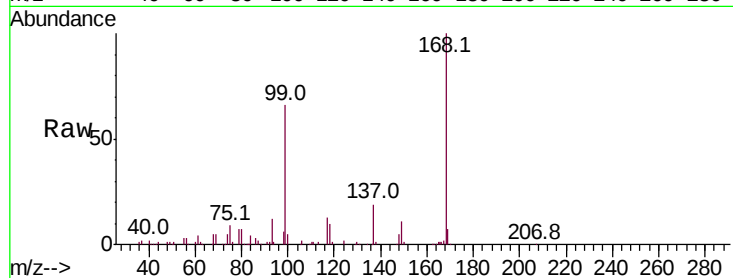
SU-04-090820

Tot Ion:168 Resp: 335838

Ion Ratio Lower Upper

168 100

99 65.7 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

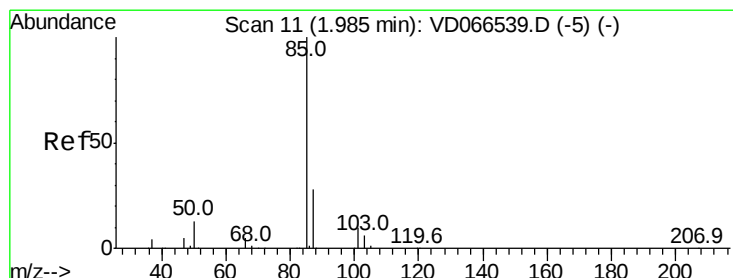
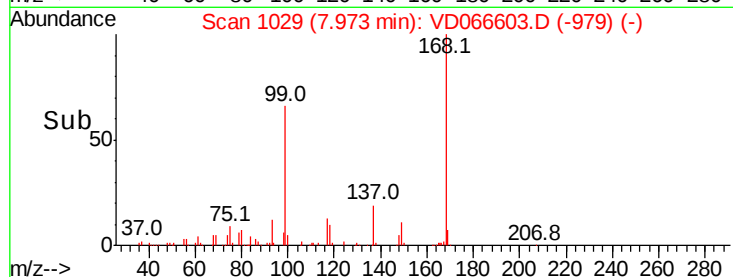
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066603.D

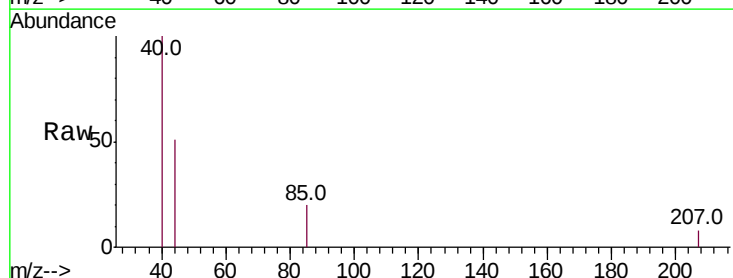
Acq: 10 Sep 2020 02:11

Tgt Ion: 85 Resp: 602

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

1.99

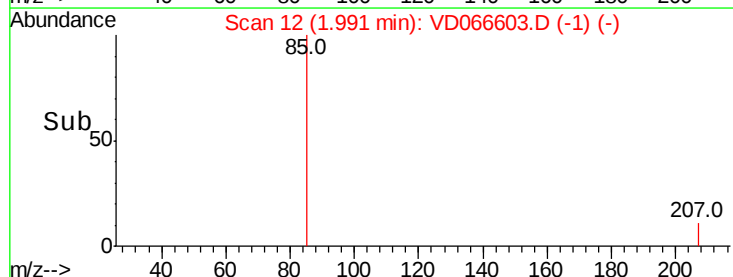
600

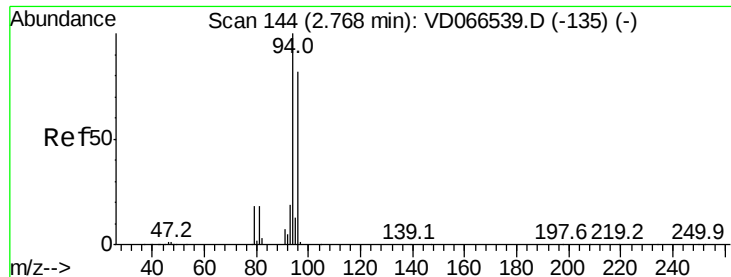
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066603.D

Acq: 10 Sep 2020 02:11

Instrument :

MSVOA_D

ClientSampleId :

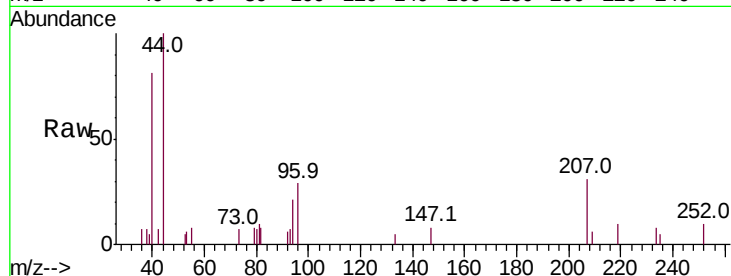
SU-04-090820

Tot Ion: 94 Resp: 1338

Ion Ratio Lower Upper

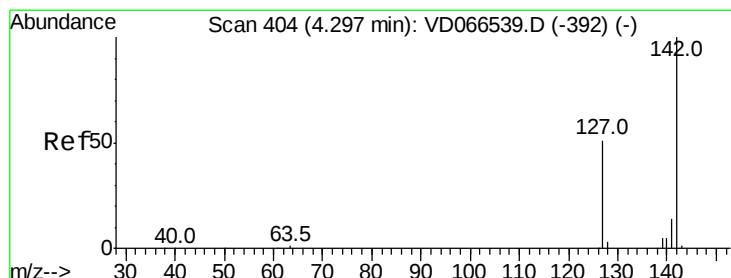
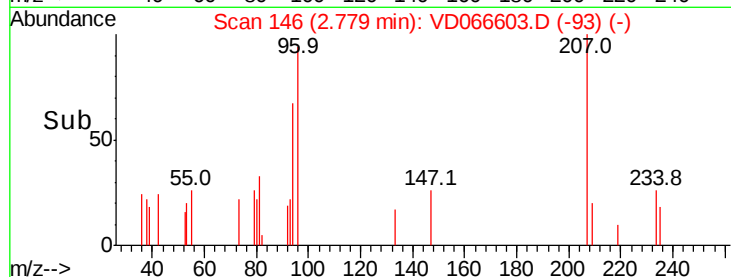
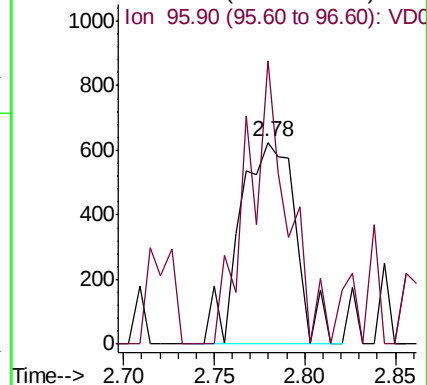
94 100

96 140.4 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 4.078 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD066603.D

Acq: 10 Sep 2020 02:11

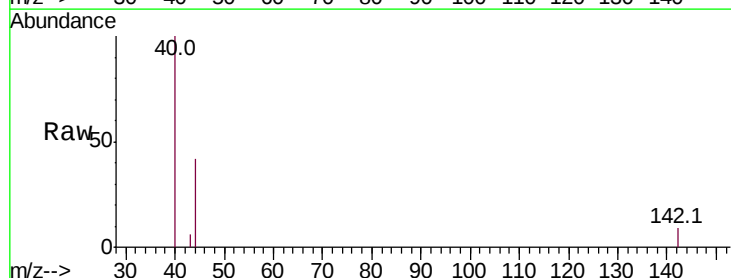
Tgt Ion: 142 Resp: 205

Ion Ratio Lower Upper

142 100

127 34.6 40.6 61.0#

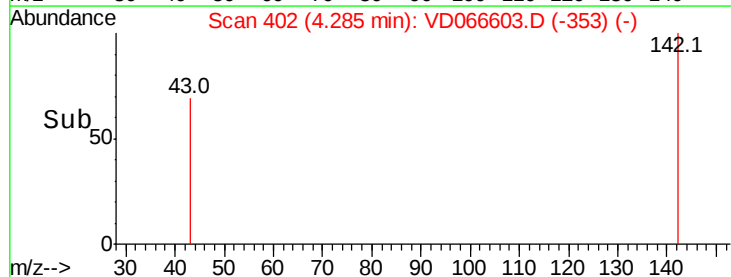
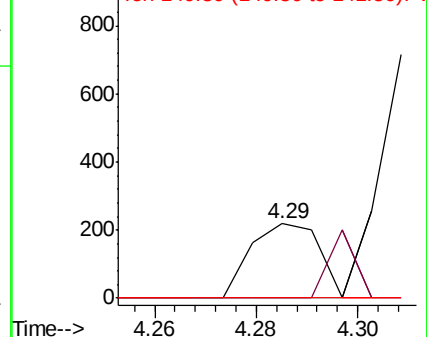
141 0.0 12.2 18.4#

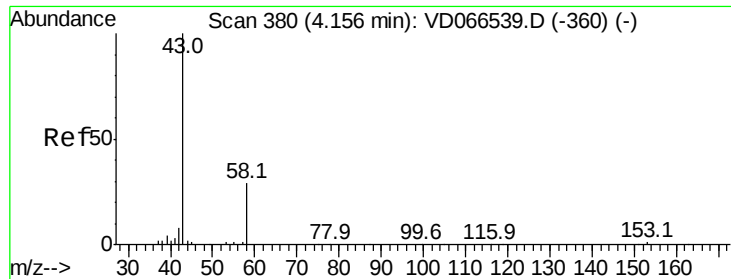


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 14.127 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066603.D

Acq: 10 Sep 2020 02:11

Instrument :

MSVOA_D

ClientSampleId :

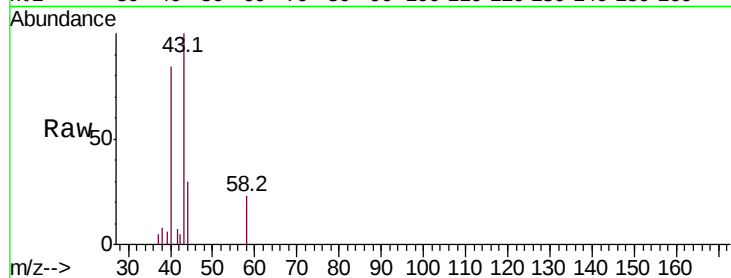
SU-04-090820

Tot Ion: 43 Resp: 10562

Ion Ratio Lower Upper

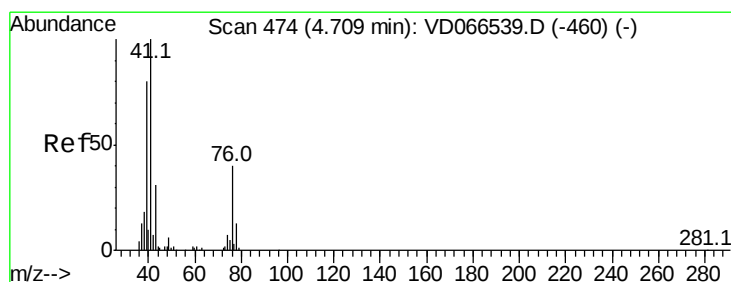
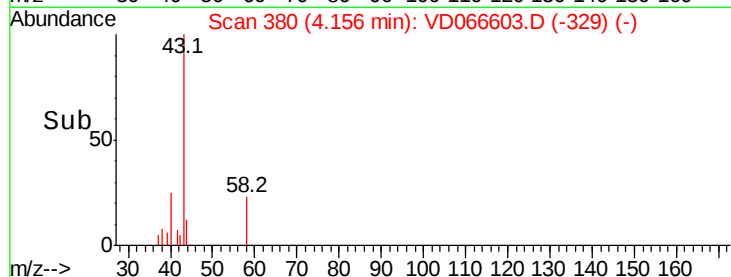
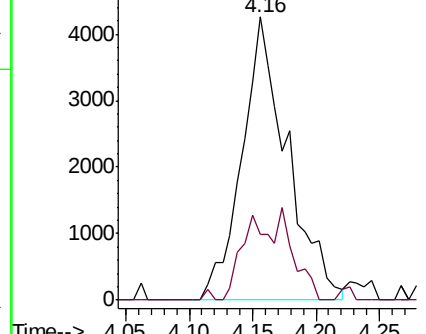
43 100

58 23.0 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: 1.224 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066603.D

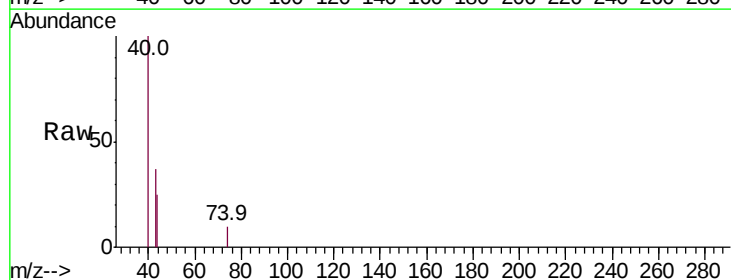
Acq: 10 Sep 2020 02:11

Tgt Ion: 43 Resp: 2181

Ion Ratio Lower Upper

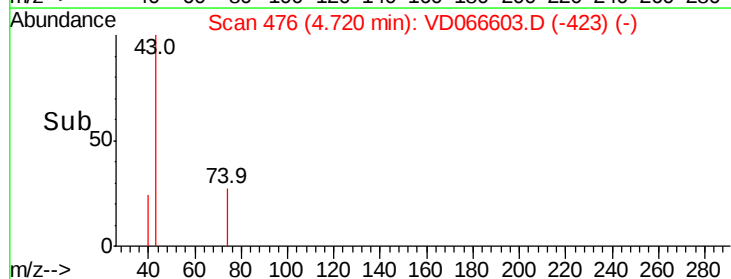
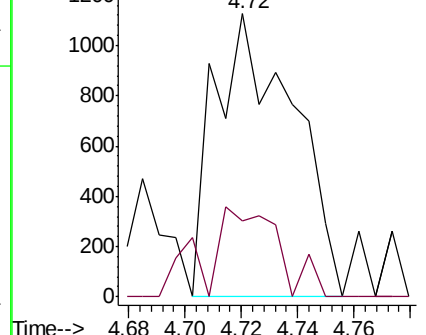
43 100

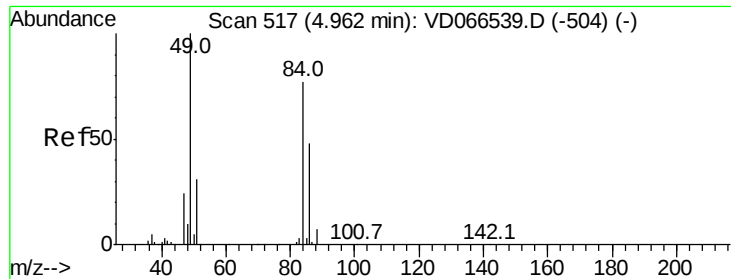
74 29.6 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 7.713 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066603.D

Acq: 10 Sep 2020 02:11

Instrument :

MSVOA_D

ClientSampleId :

SU-04-090820

Tot Ion: 84 Resp: 54233

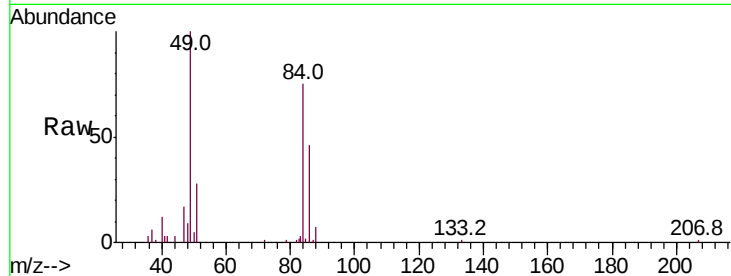
Ion Ratio Lower Upper

84 100

49 132.8 104.3 156.5

51 37.6 32.2 48.4

86 61.4 50.0 75.0

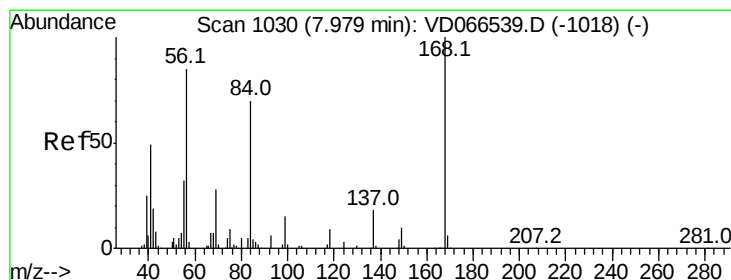
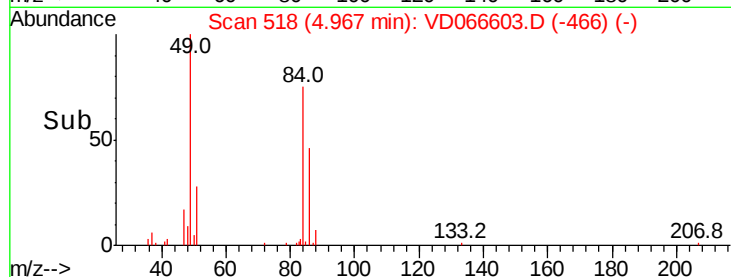
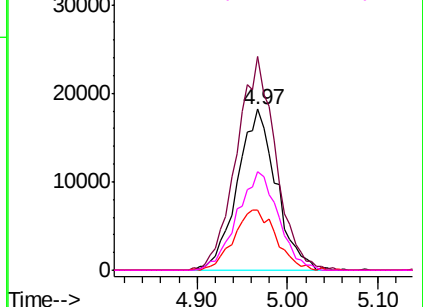


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#31

Cyclohexane

Concen: 1.644 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066603.D

Acq: 10 Sep 2020 02:11

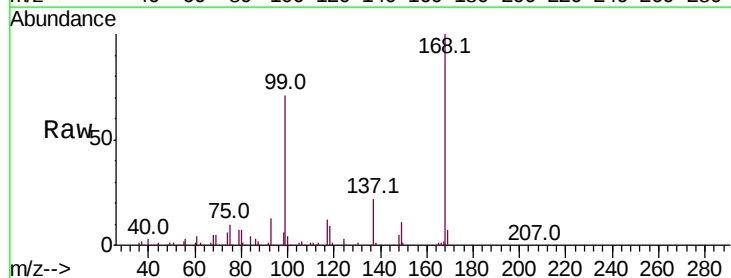
Tgt Ion: 56 Resp: 10898

Ion Ratio Lower Upper

56 100

69 150.1 26.3 39.5#

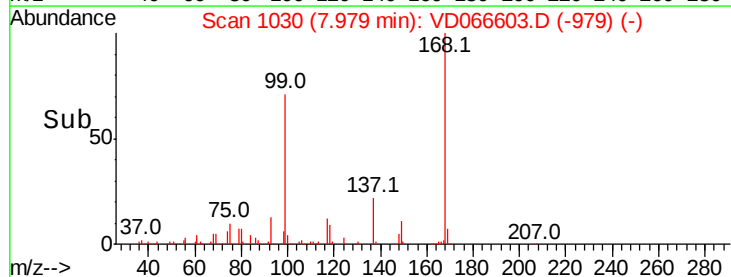
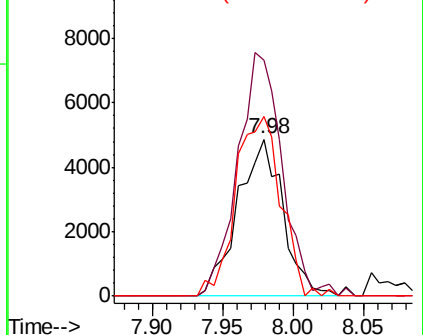
84 114.2 66.1 99.1#

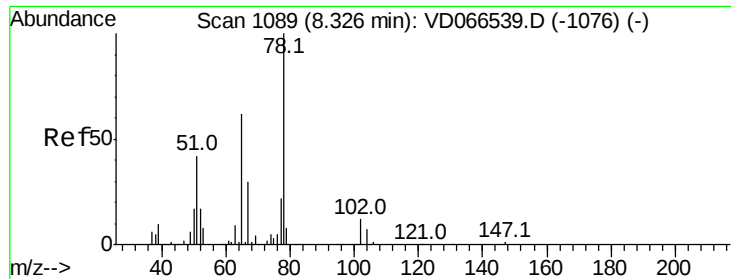


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 59.379 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066603.D

Acq: 10 Sep 2020 02:11

Instrument :

MSVOA_D

ClientSampleId :

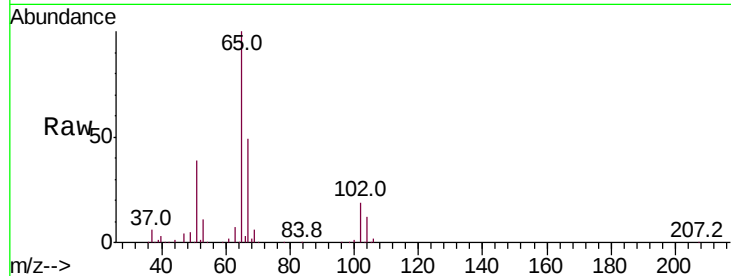
SU-04-090820

Tot Ion: 65 Resp: 241278

Ion Ratio Lower Upper

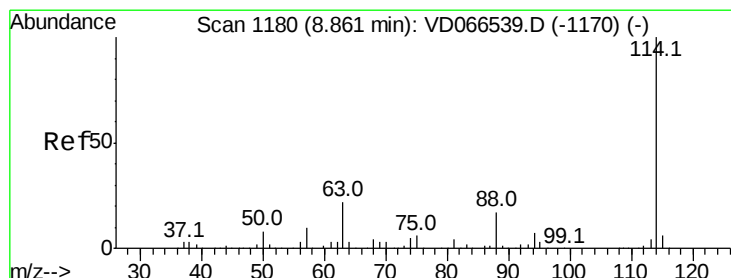
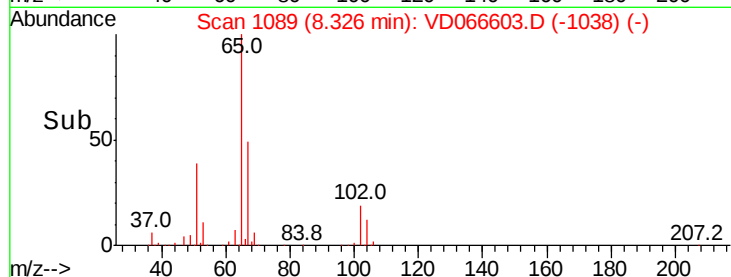
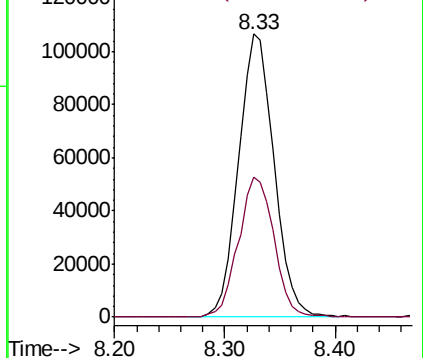
65 100

67 49.5 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: VD066603.D

Acq: 10 Sep 2020 02:11

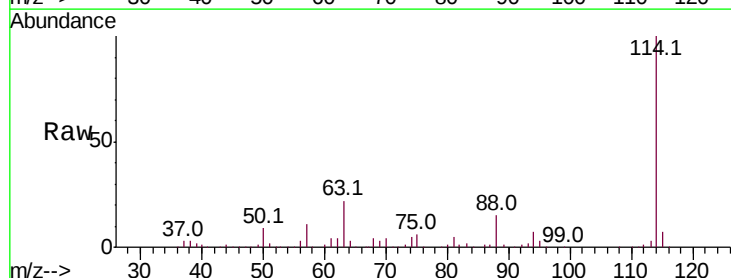
Tgt Ion: 114 Resp: 672452

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.2

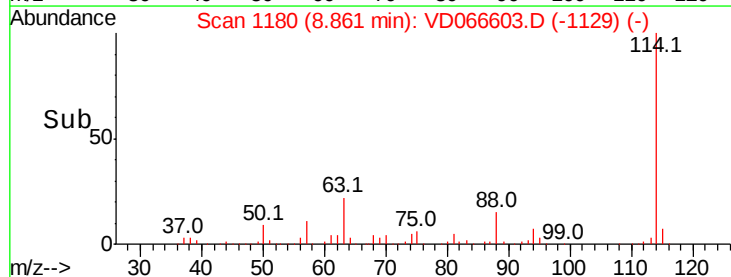
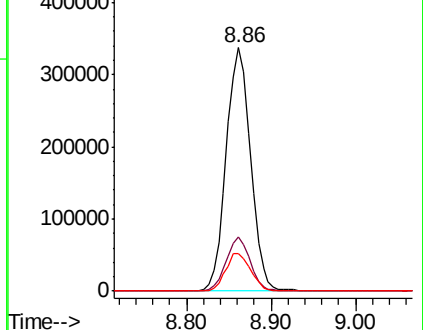
88 15.5 0.0 33.2

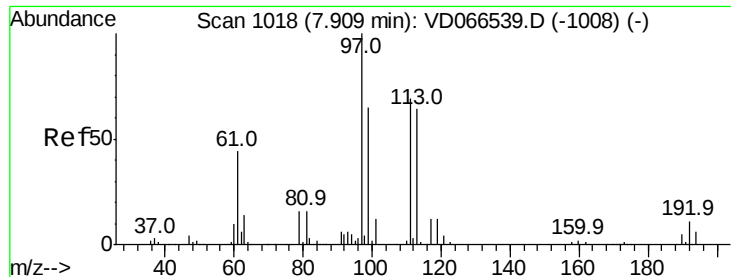


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

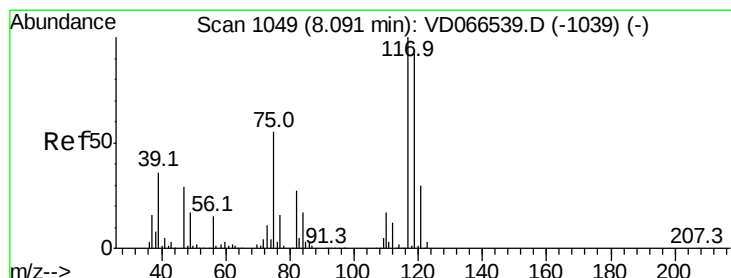
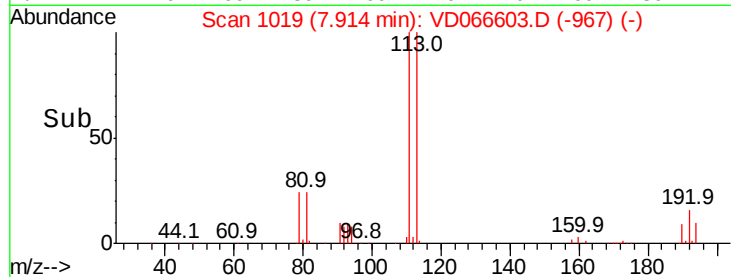
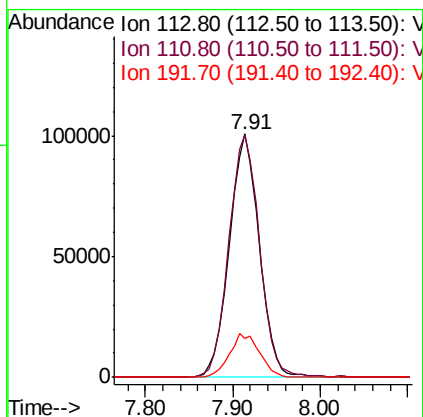
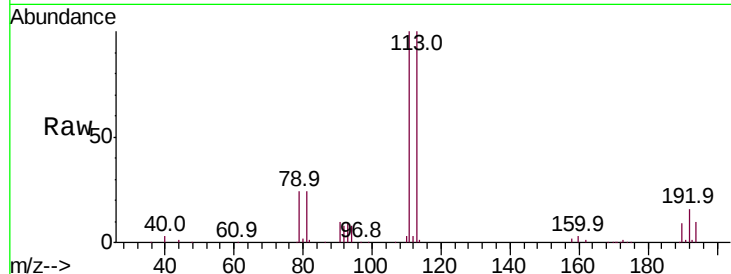




#35
 Dibromofluoromethane
 Concen: 51.594 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066603.D
 Acq: 10 Sep 2020 02:11

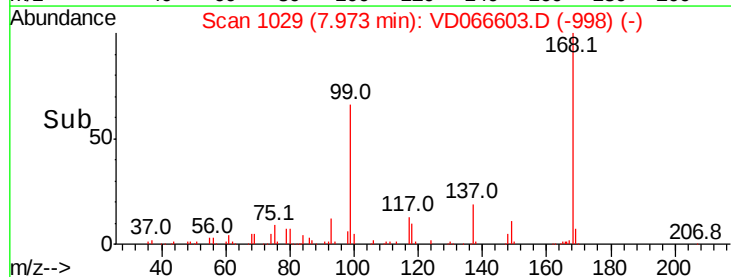
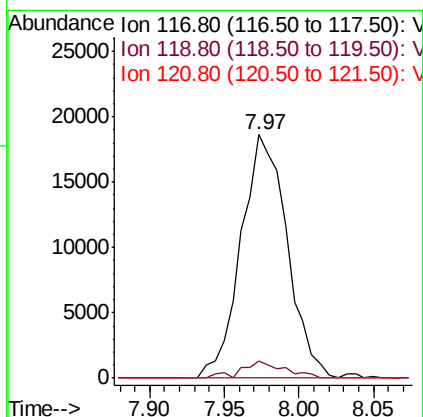
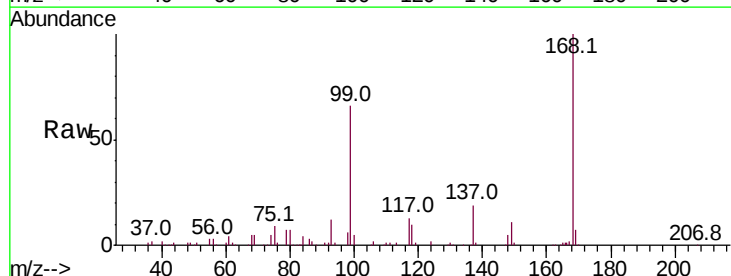
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-090820

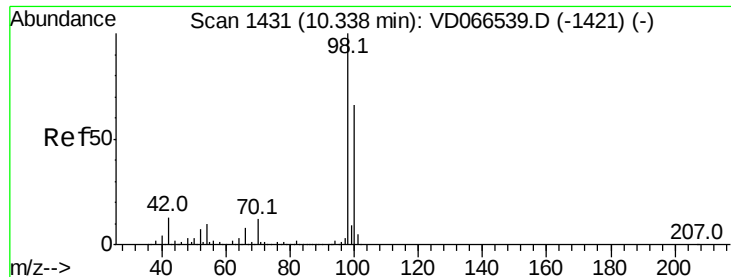
Tot Ion:113 Resp: 234052
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.2 124.8
 192 17.9 13.7 20.5



#38
 Carbon Tetrachloride
 Concen: 5.394 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.12 min
 Lab File: VD066603.D
 Acq: 10 Sep 2020 02:11

Tgt Ion:117 Resp: 39901
 Ion Ratio Lower Upper
 117 100
 119 7.0 73.9 110.9#
 121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 51.572 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066603.D

Acq: 10 Sep 2020 02:11

Instrument :

MSVOA_D

ClientSampleId :

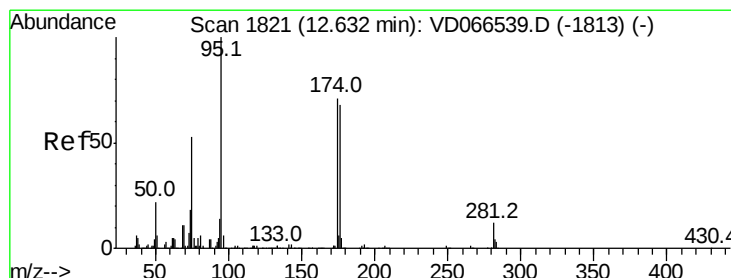
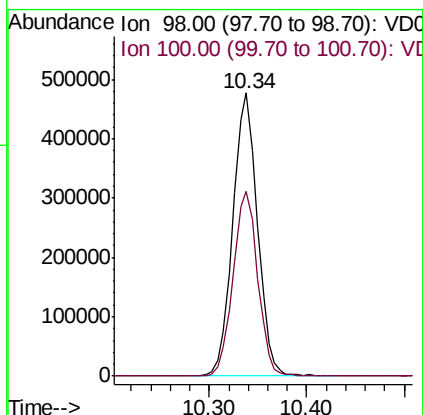
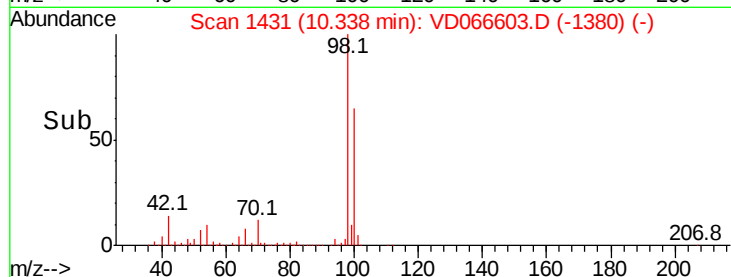
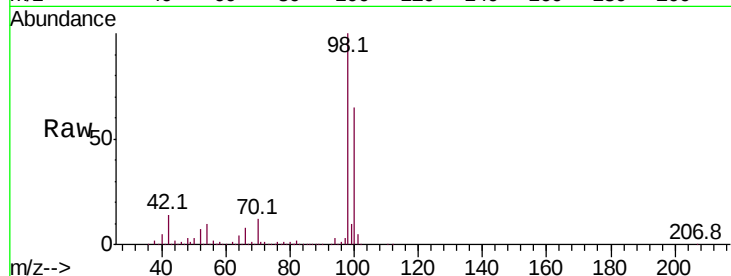
SU-04-090820

Tot Ion: 98 Resp: 836183

Ion Ratio Lower Upper

98 100

100 65.2 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 52.163 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066603.D

Acq: 10 Sep 2020 02:11

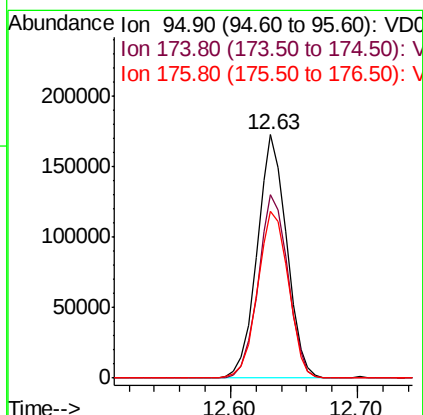
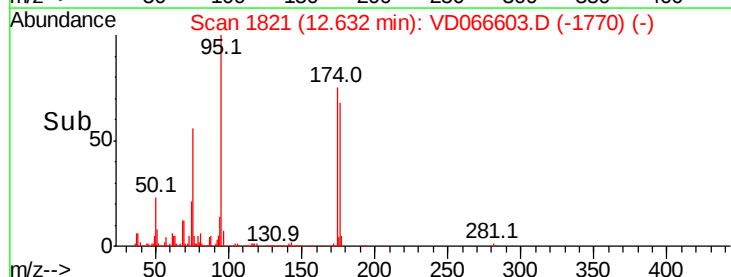
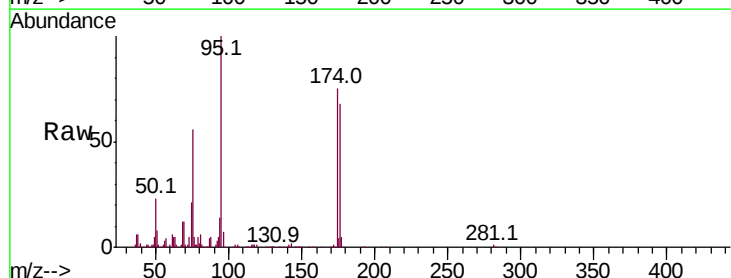
Tgt Ion: 95 Resp: 280443

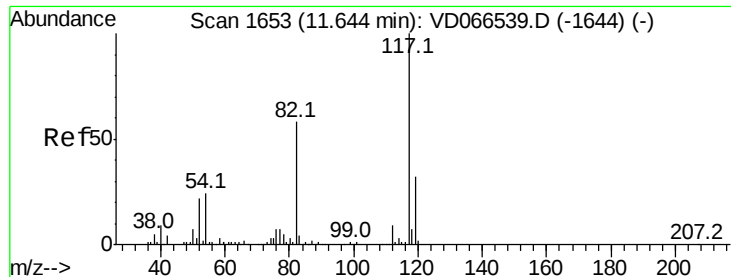
Ion Ratio Lower Upper

95 100

174 76.1 0.0 155.8

176 71.6 0.0 148.6

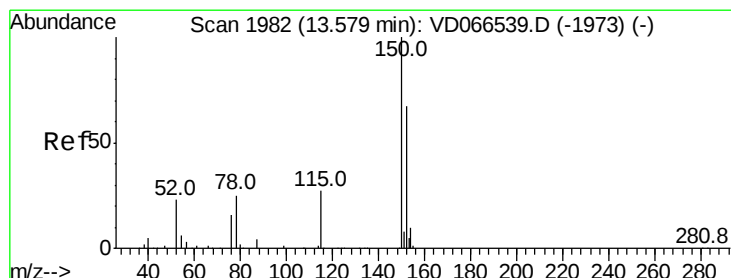
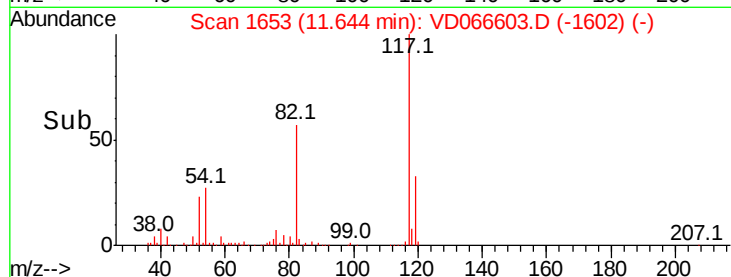
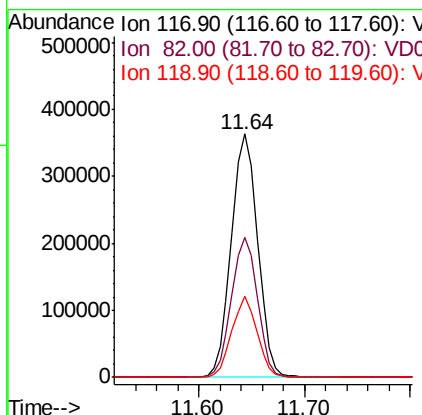
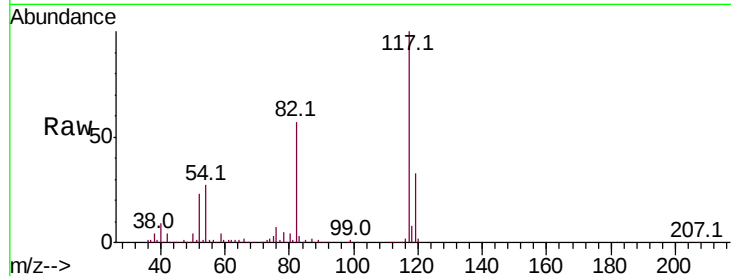




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066603.D
Acq: 10 Sep 2020 02:11

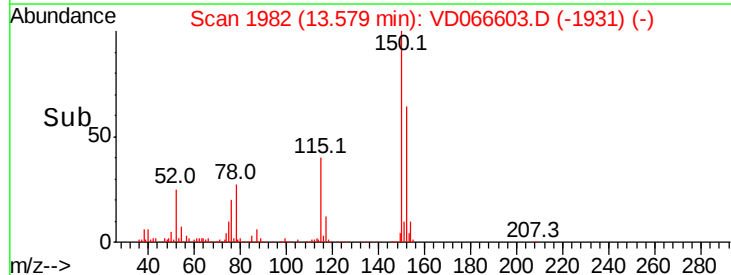
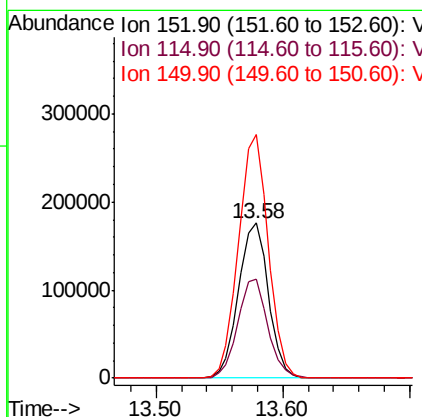
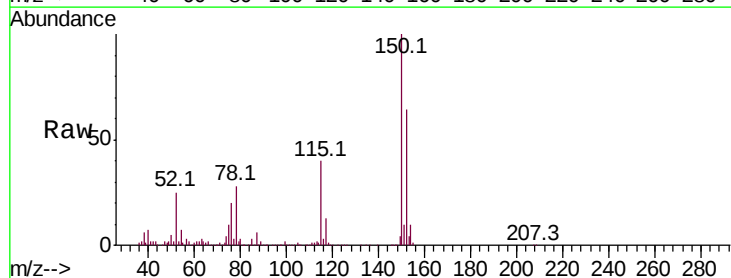
Instrument :
MSVOA_D
ClientSampleId :
SU-04-090820

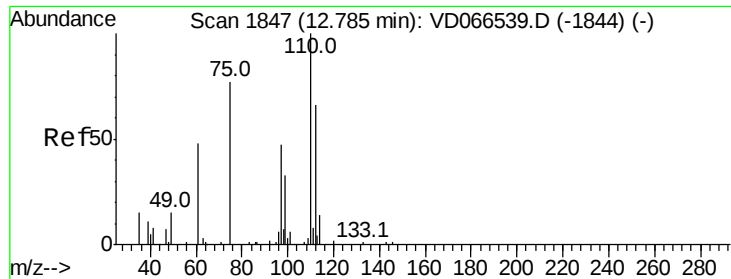
Tot Ion:117 Resp: 627104
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.2
119 33.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066603.D
Acq: 10 Sep 2020 02:11

Tgt Ion:152 Resp: 286927
Ion Ratio Lower Upper
152 100
115 64.4 30.4 91.2
150 156.7 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 58.440 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066603.D

Acq: 10 Sep 2020 02:11

Instrument :

MSVOA_D

ClientSampleId :

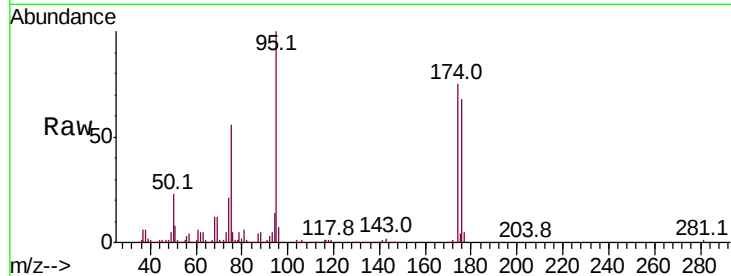
SU-04-090820

Tot Ion: 75 Resp: 161263

Ion Ratio Lower Upper

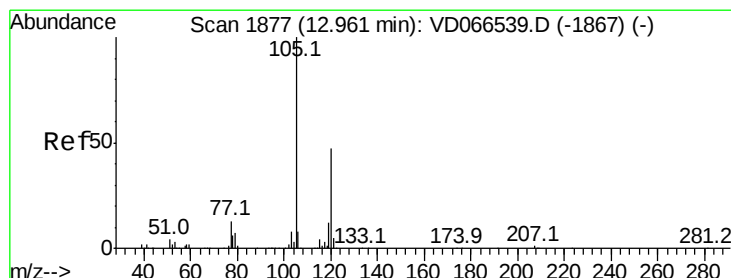
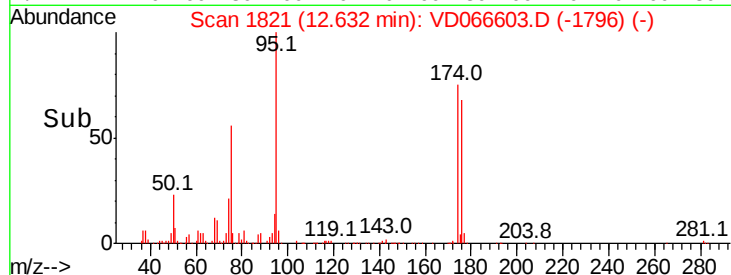
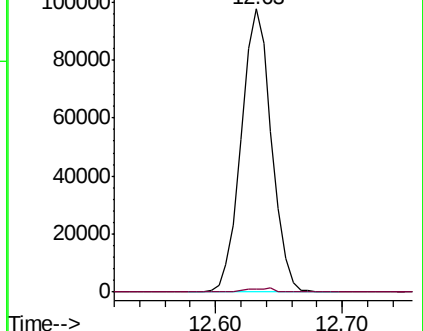
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VD066603.D (-1796) (-)

Ion 77.00 (76.70 to 77.70): VD066603.D (-1796) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.211 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066603.D

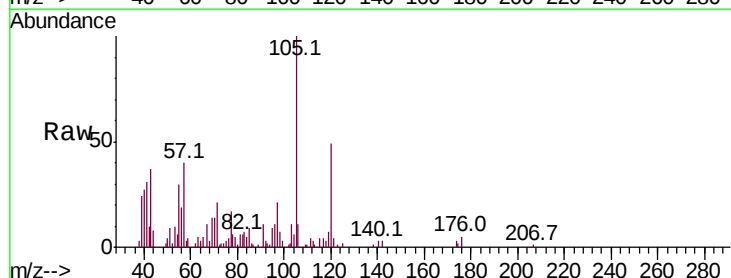
Acq: 10 Sep 2020 02:11

Tgt Ion:105 Resp: 21650

Ion Ratio Lower Upper

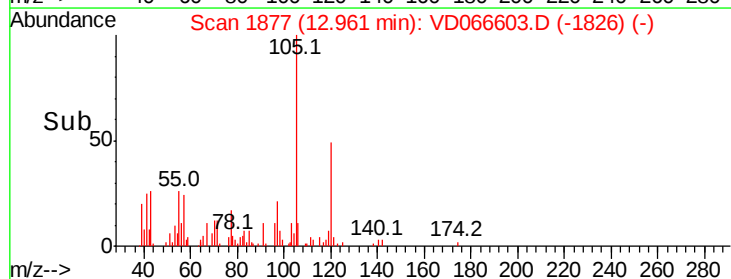
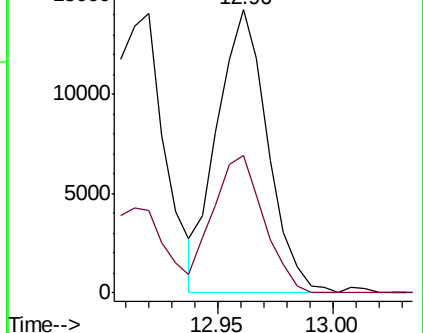
105 100

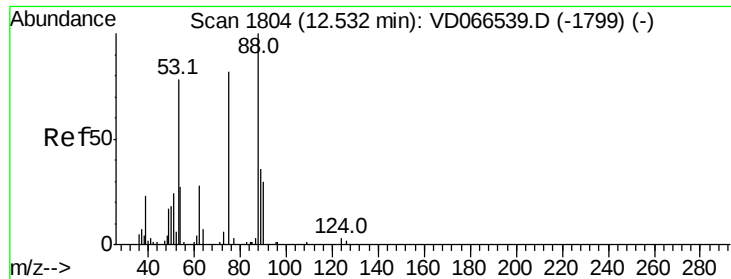
120 48.8 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VD066603.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066603.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 136.436 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066603.D

Acq: 10 Sep 2020 02:11

Instrument :

MSVOA_D

ClientSampleId :

SU-04-090820

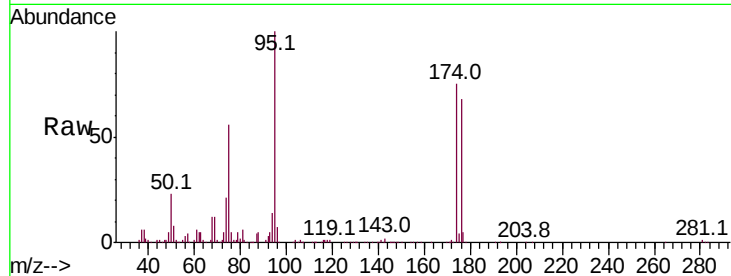
Tot Ion: 75 Resp: 161263

Ion Ratio Lower Upper

75 100

53 0.2 87.0 130.4#

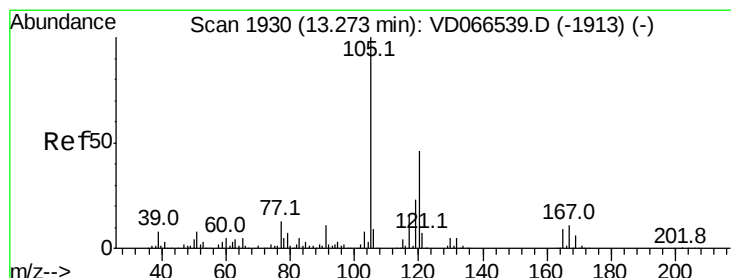
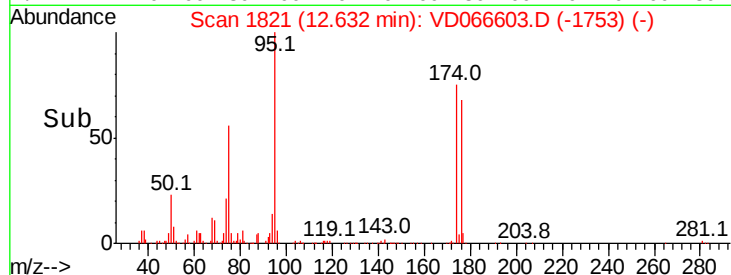
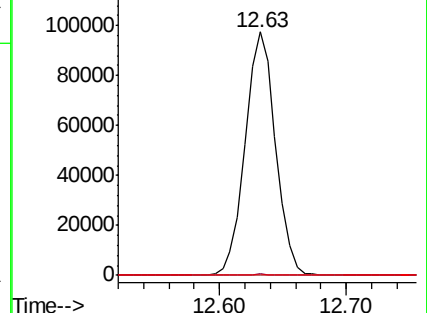
89 0.0 37.1 55.7#



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



#84

1,2,4-Trimethylbenzene

Concen: 2.853 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD066603.D

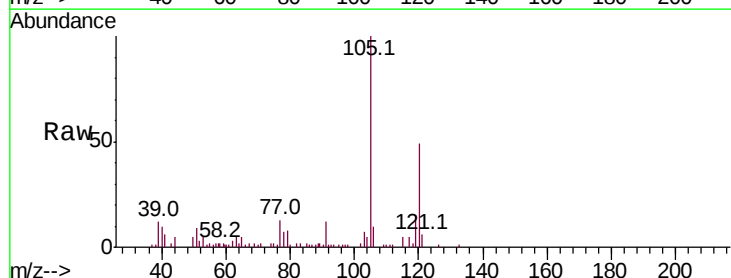
Acq: 10 Sep 2020 02:11

Tgt Ion: 105 Resp: 50797

Ion Ratio Lower Upper

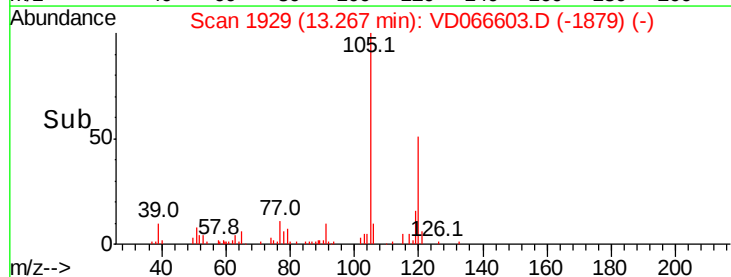
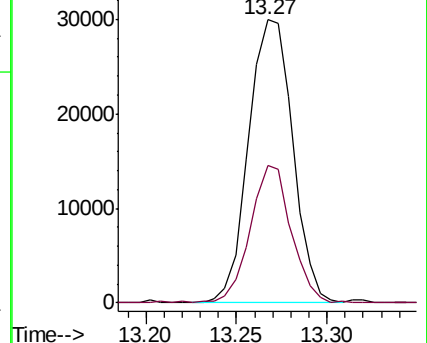
105 100

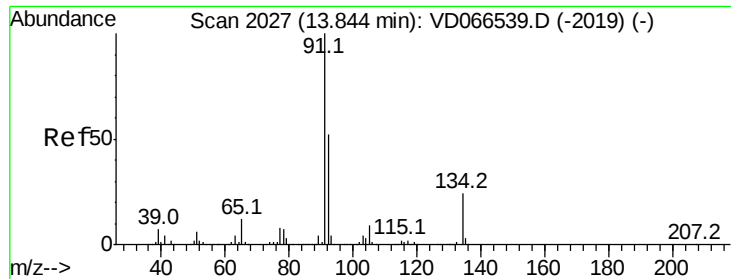
120 44.9 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

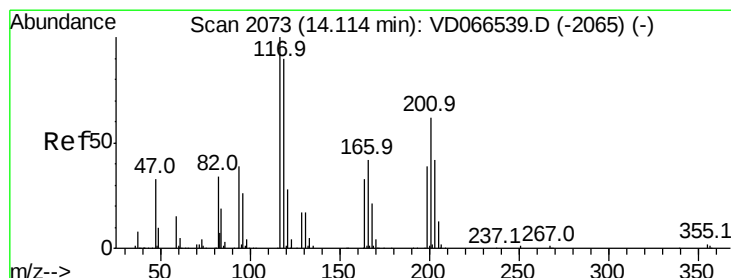
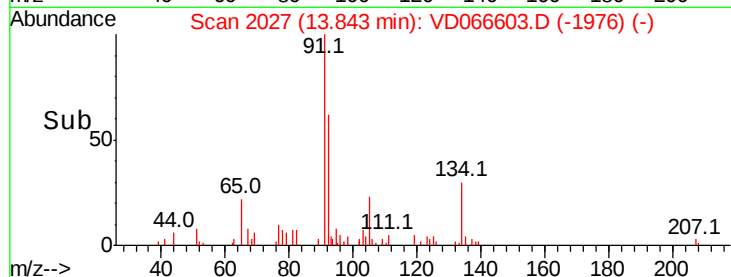
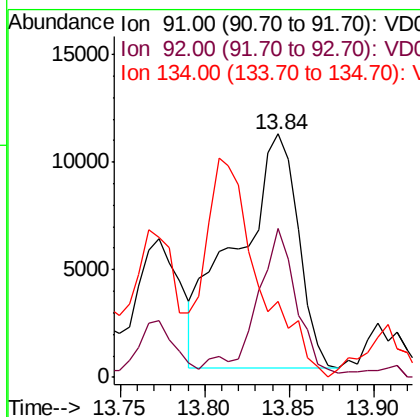
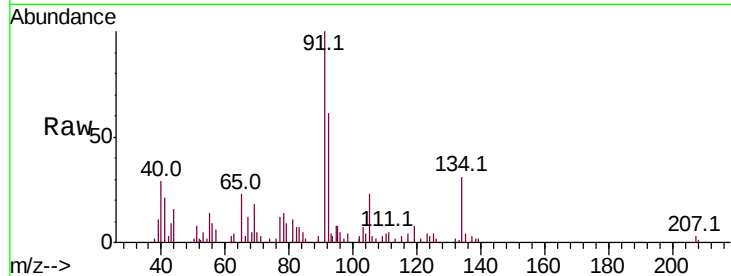




#89
n-Butylbenzene
Concen: 1.501 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066603.D
Acq: 10 Sep 2020 02:11

Instrument :
MSVOA_D
ClientSampleId :
SU-04-090820

Tot Ion: 91 Resp: 27692
Ion Ratio Lower Upper
91 100
92 38.8 26.5 79.5
134 0.0 12.1 36.3#



#90
Hexachloroethane
Concen: 1.531 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066603.D
Acq: 10 Sep 2020 02:11

Tgt Ion: 117 Resp: 6245
Ion Ratio Lower Upper
117 100
201 6.1 31.9 95.5#

