

Data File : VL033855.D
Acq On : 30 May 2019 4:13
Operator : SY/AP
Sample : K3067-06DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-ODL

Quant Time: May 30 06:24:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	691114	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1582833	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1588163	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1279233	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

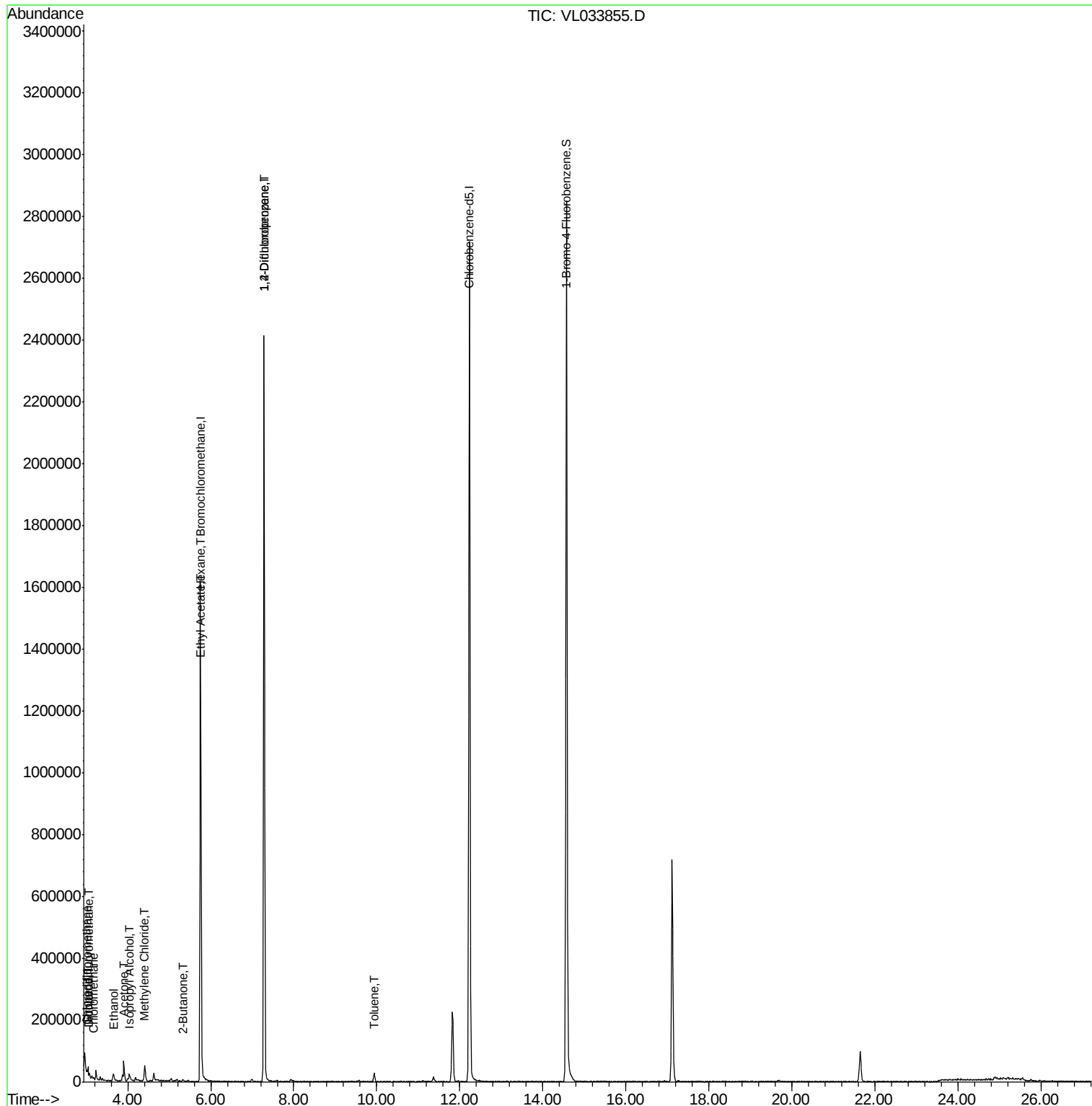
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	8922	0.061	ppbv	93
3) Chlorodifluoromethane	3.01	51	7778	0.098	ppbv	95
4) Chloromethane	3.17	50	1839	0.041	ppbv	97
9) Propene	3.03	41	1158	0.034	ppbv #	1
13) Ethanol	3.66	45	2517	0.231	ppbv #	1
15) Acetone	3.90	43	58834	0.614	ppbv	98
19) Isopropyl Alcohol	4.04	45	11696	0.189	ppbv #	94
20) Methylene Chloride	4.40	84	15098	0.409	ppbv	86
25) Ethyl Acetate	5.77	43	5088	0.030	ppbv #	92
26) Hexane	5.77	57	13029	0.180	ppbv #	40
34) 2-Butanone	5.33	43	3289	0.034	ppbv #	54
39) 1,2-Dichloropropane	7.28	63	418627	7.798	ppbv #	23
53) Toluene	9.94	91	14756	0.095	ppbv #	71

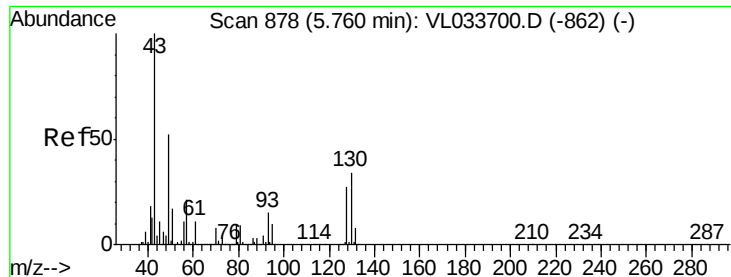
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033855.D

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MSVOA_L

ClientSampleId :

SG-5-20190523-0DL

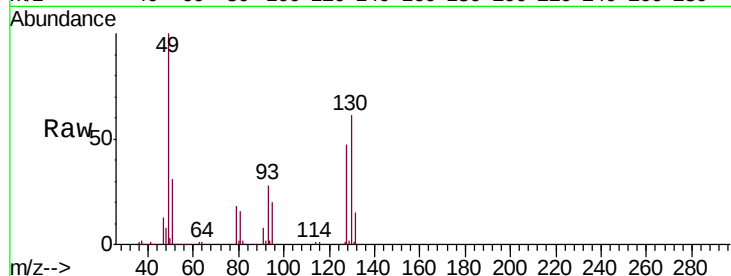
Tgt Ion: 49 Resp: 691114

Ion Ratio Lower Upper

49 100

128 49.5 25.2 75.6

130 64.5 32.5 97.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.75

400000

300000

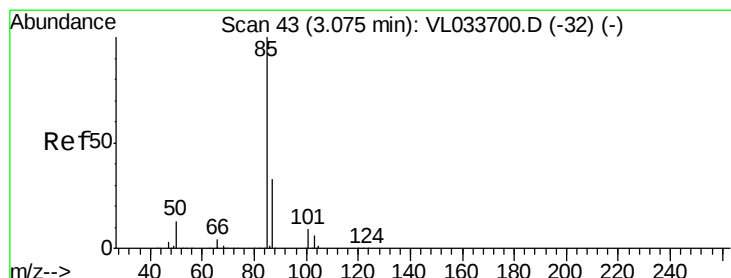
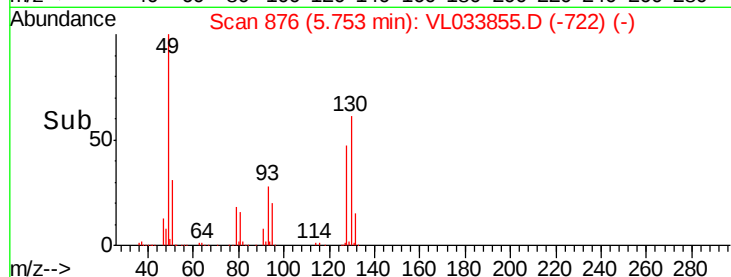
200000

100000

0

5.70 5.75 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.061 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033855.D

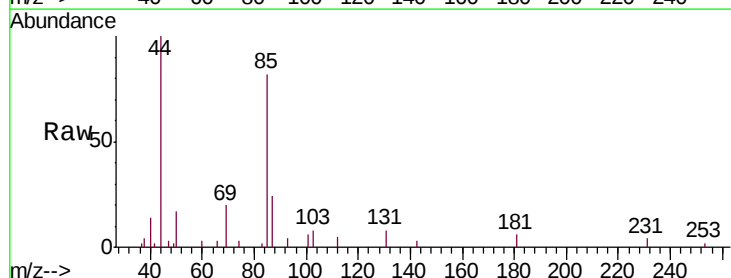
Acq: 30 May 2019 4:13

Tgt Ion: 85 Resp: 8922

Ion Ratio Lower Upper

85 100

87 28.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

8000

6000

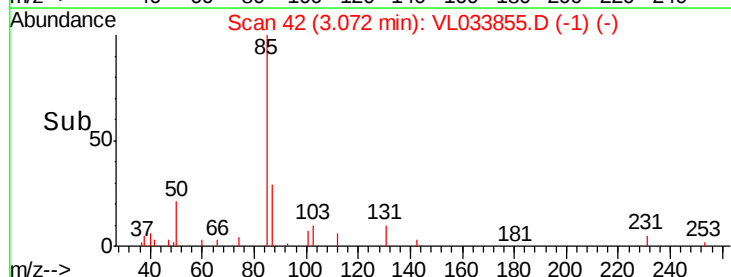
4000

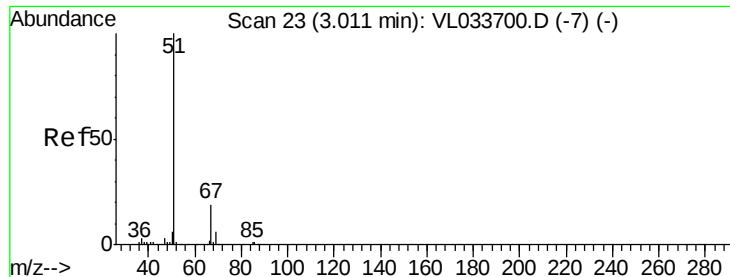
2000

0

3.04 3.06 3.08 3.10 3.12

Time-->

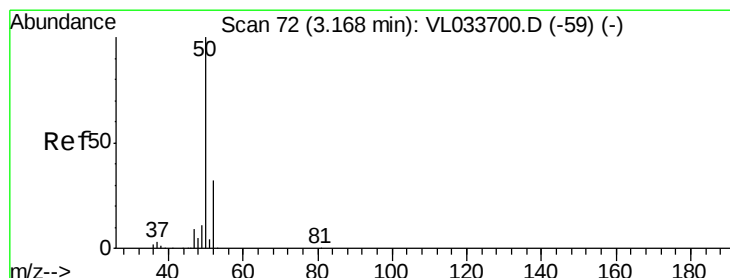
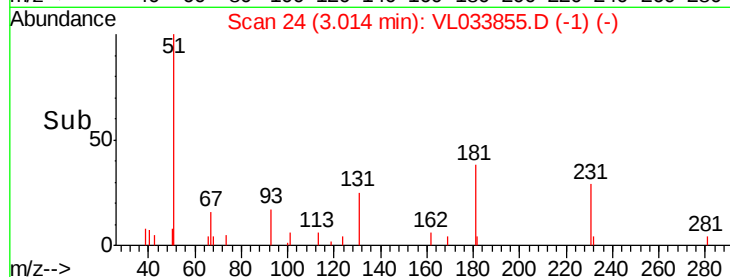
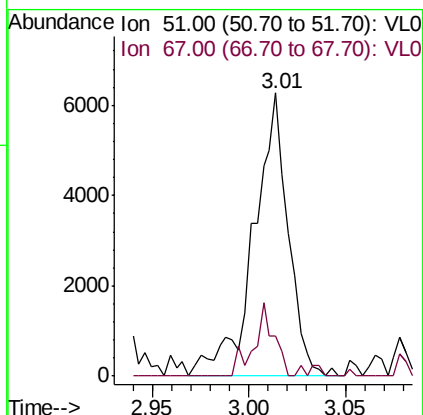
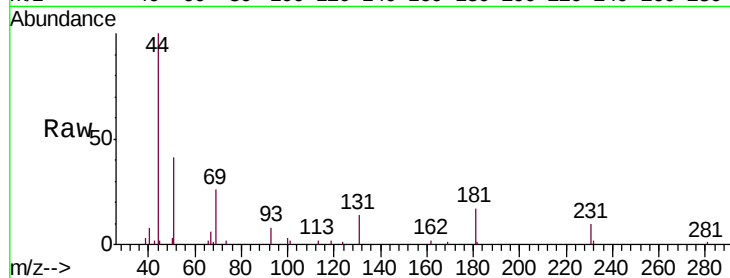




#3
Chlorodifluoromethane
Concen: 0.098 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033855.D
Acq: 30 May 2019 4:13

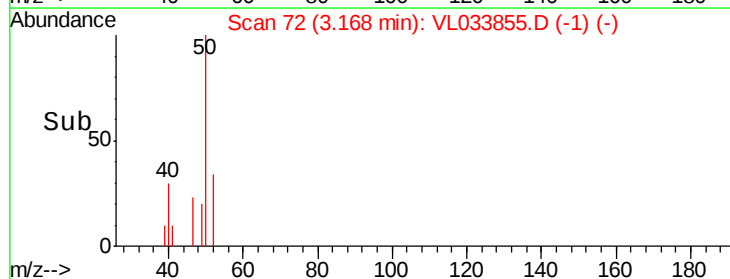
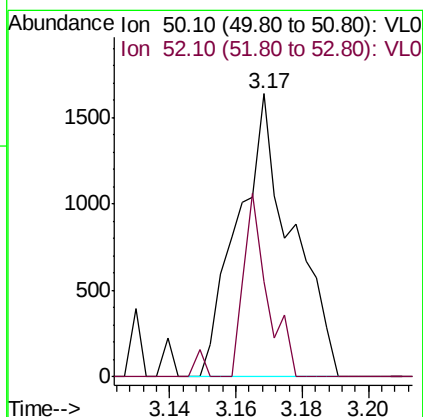
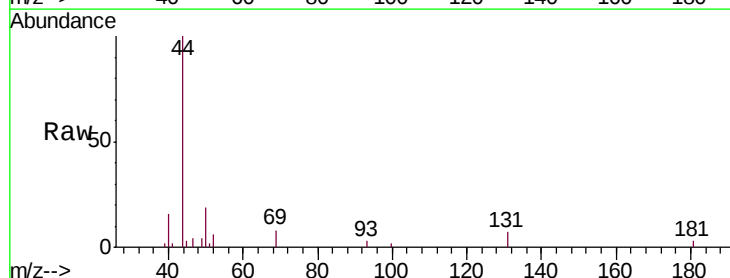
Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-0DL

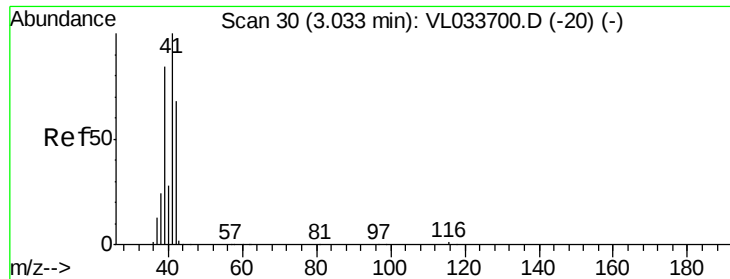
Tgt Ion: 51 Resp: 7778
Ion Ratio Lower Upper
51 100
67 17.2 15.6 23.4



#4
Chloromethane
Concen: 0.041 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033855.D
Acq: 30 May 2019 4:13

Tgt Ion: 50 Resp: 1839
Ion Ratio Lower Upper
50 100
52 33.9 25.7 38.5





#9

Propene

Concen: 0.034 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033855.D

Acq: 30 May 2019 4:13

Instrument :

MSVOA_L

ClientSampleId :

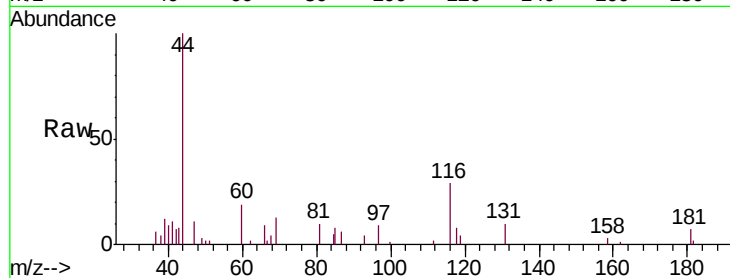
SG-5-20190523-0DL

Tgt Ion: 41 Resp: 1158

Ion Ratio Lower Upper

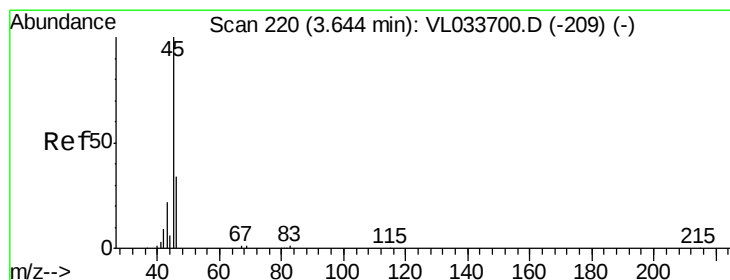
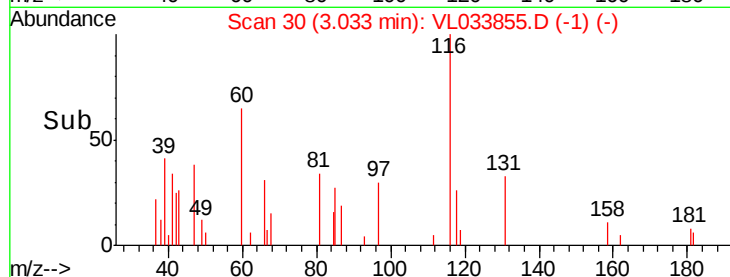
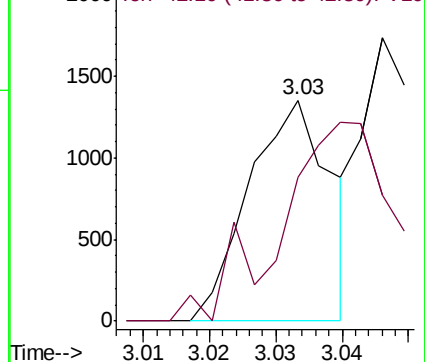
41 100

42 152.2 56.1 84.1#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.231 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033855.D

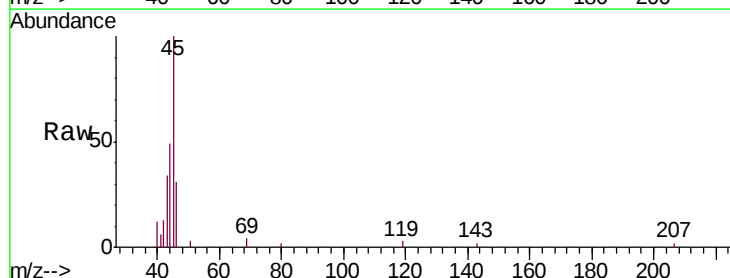
Acq: 30 May 2019 4:13

Tgt Ion: 45 Resp: 2517

Ion Ratio Lower Upper

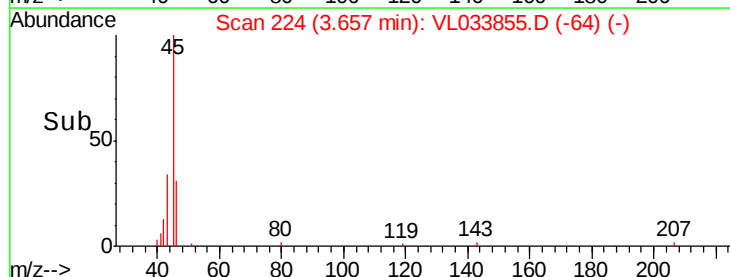
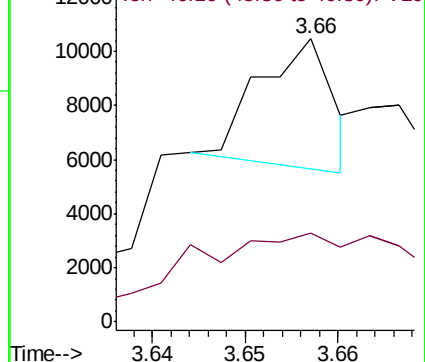
45 100

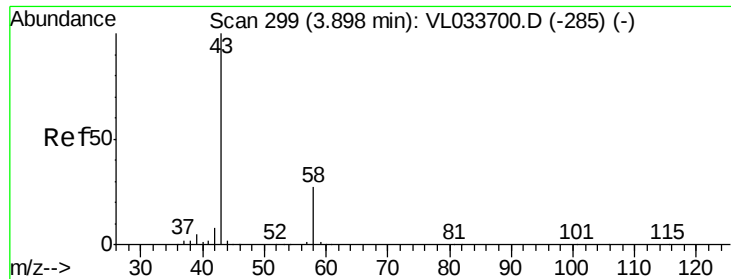
46 308.3 14.8 59.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.614 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033855.D

Acq: 30 May 2019 4:13

Instrument :

MSVOA_L

ClientSampleId :

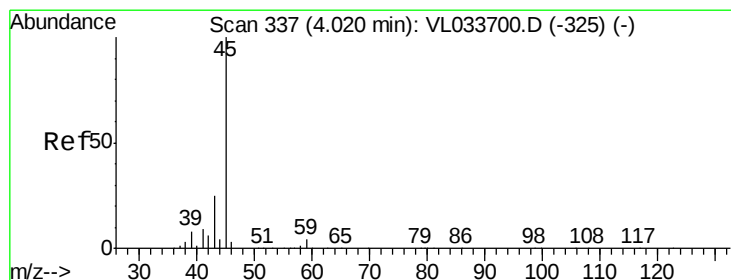
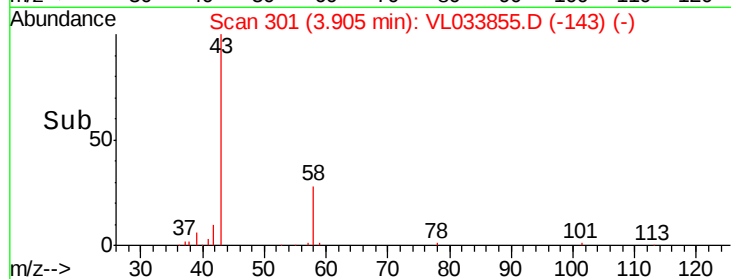
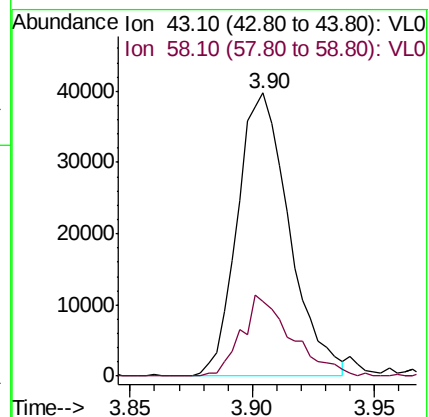
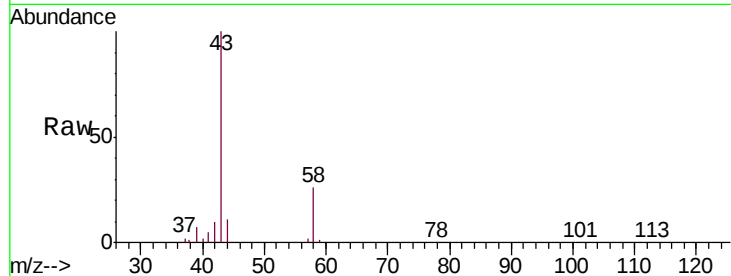
SG-5-20190523-0DL

Tgt Ion: 43 Resp: 58834

Ion Ratio Lower Upper

43 100

58 27.5 21.3 31.9



#19

Isopropyl Alcohol

Concen: 0.189 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.02 min

Lab File: VL033855.D

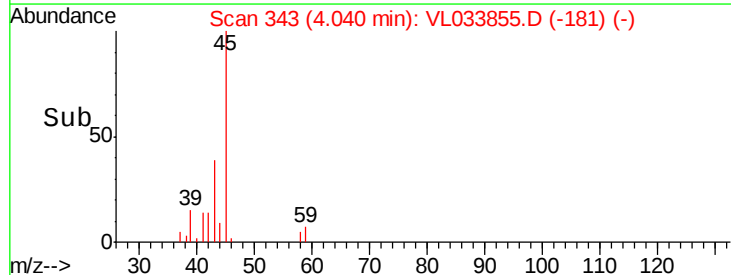
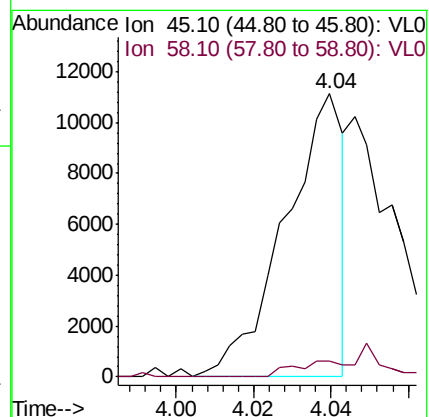
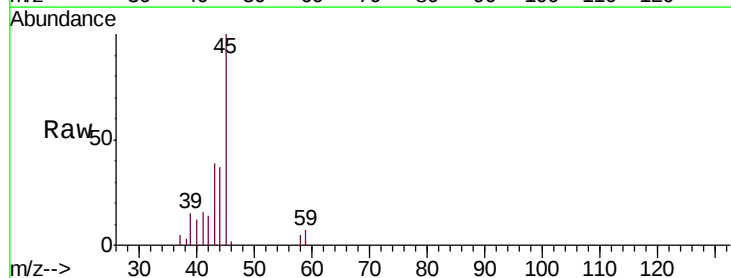
Acq: 30 May 2019 4:13

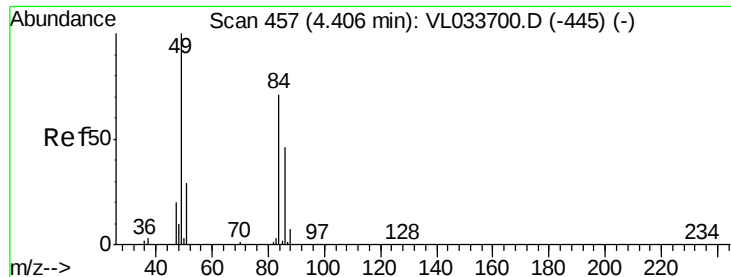
Tgt Ion: 45 Resp: 11696

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#

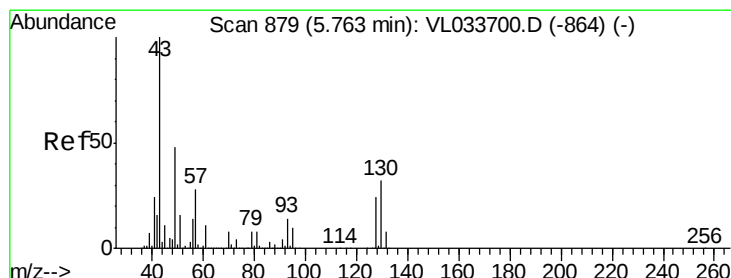
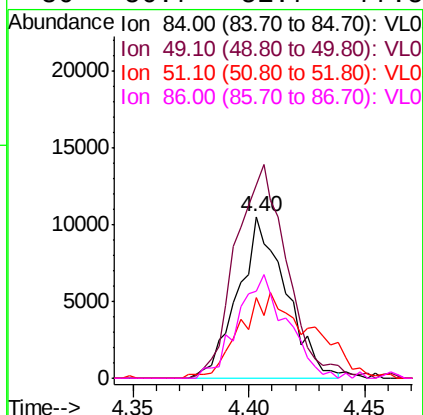
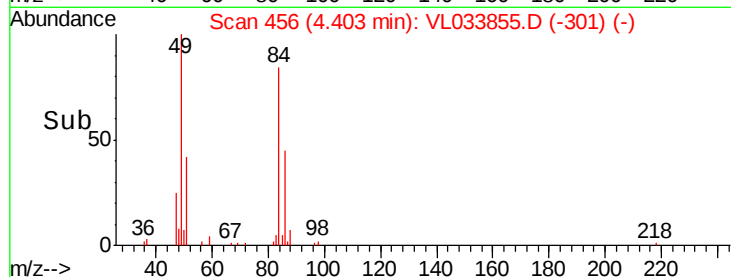
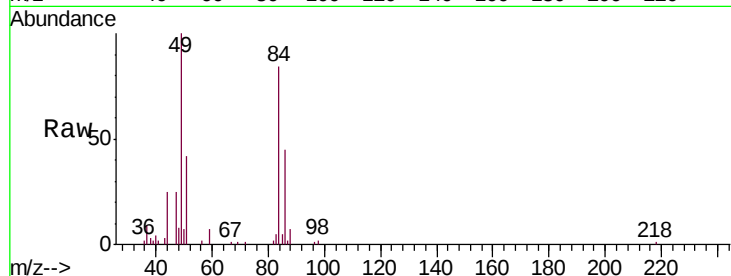




#20
Methylene Chloride
Concen: 0.409 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033855.D
Acq: 30 May 2019 4:13

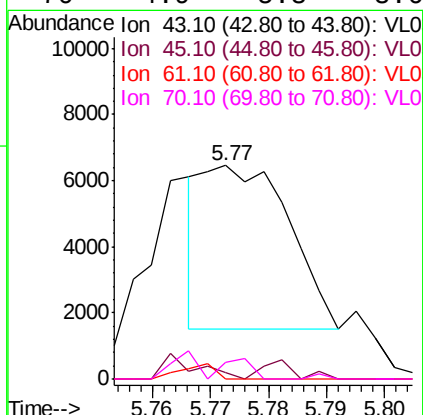
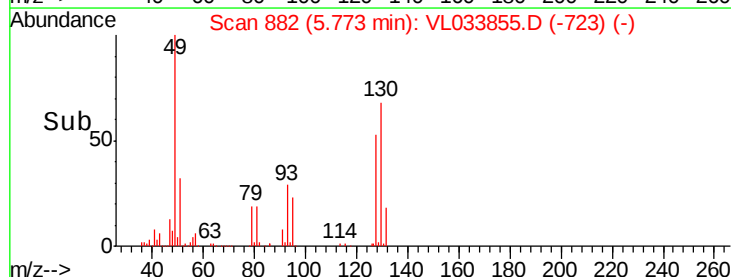
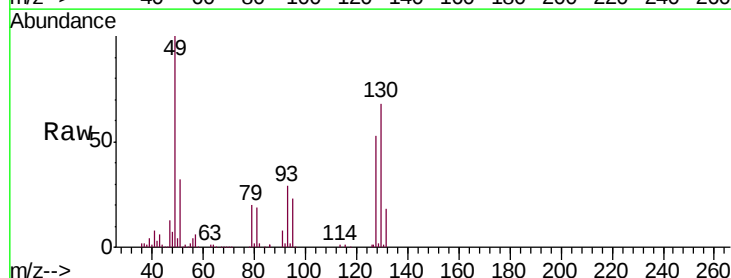
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SG-5-20190523-ODL

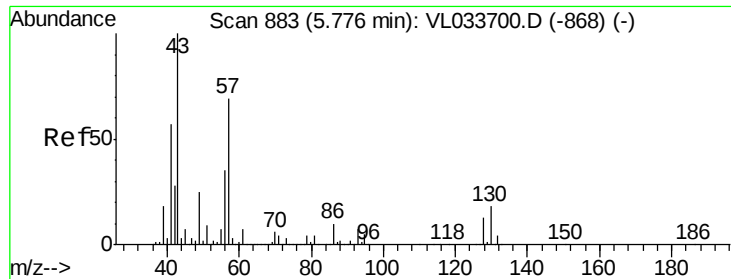
Tgt Ion:	84	Resp:	15098
Ion	Ratio	Lower	Upper
84	100		
49	119.5	112.8	169.2
51	47.1	33.4	50.0
86	56.7	51.7	77.5



#25
Ethyl Acetate
Concen: 0.030 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033855.D
Acq: 30 May 2019 4:13

Tgt Ion:	43	Resp:	5088
Ion	Ratio	Lower	Upper
43	100		
45	10.5	7.9	11.9
61	3.7	7.7	11.5#
70	4.9	5.8	8.6#

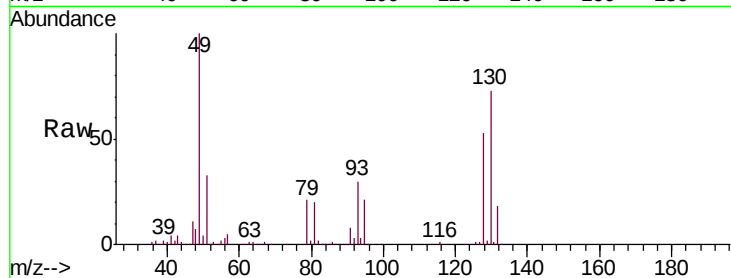




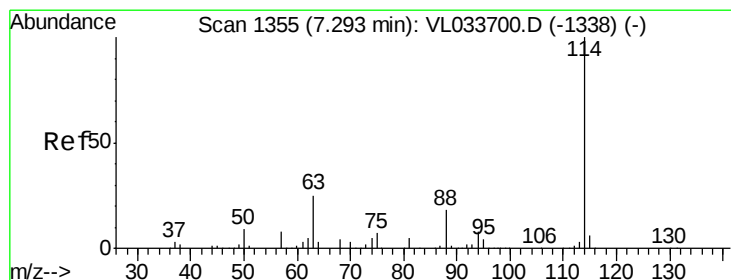
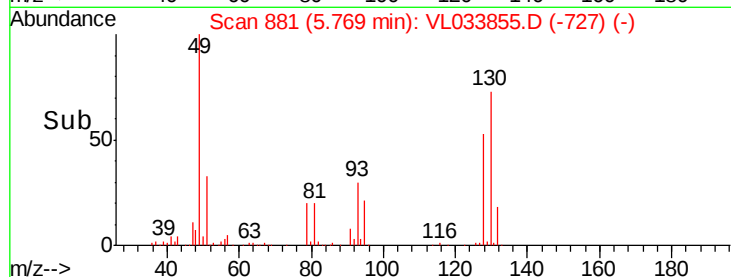
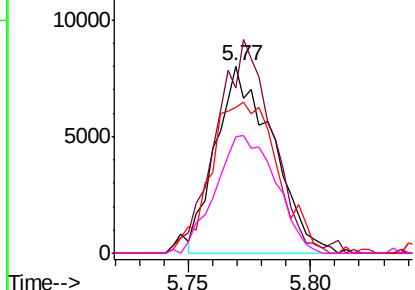
#26
Hexane
Concen: 0.180 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033855.D
Acq: 30 May 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
SG-5-20190523-0DL

Tgt Ion: 57 Resp: 13029
Ion Ratio Lower Upper
57 100
41 113.6 69.8 104.6#
43 94.6 181.8 272.6#
56 66.6 42.1 63.1#

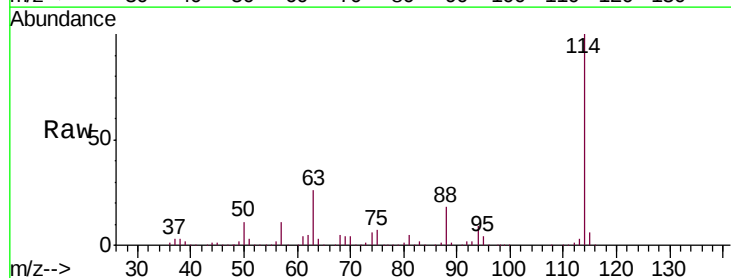


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

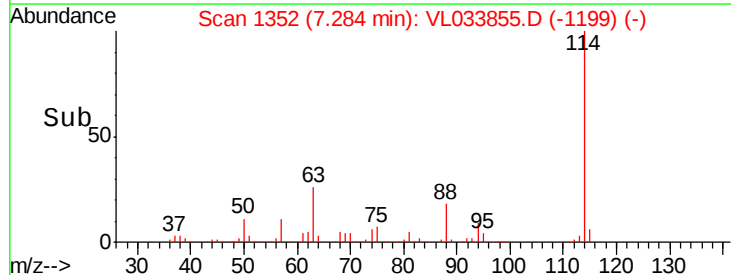
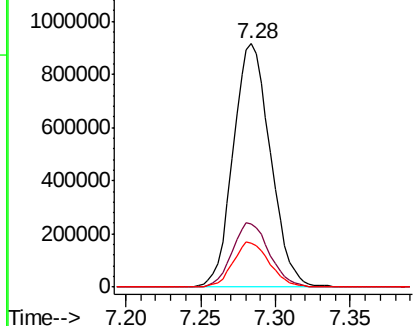


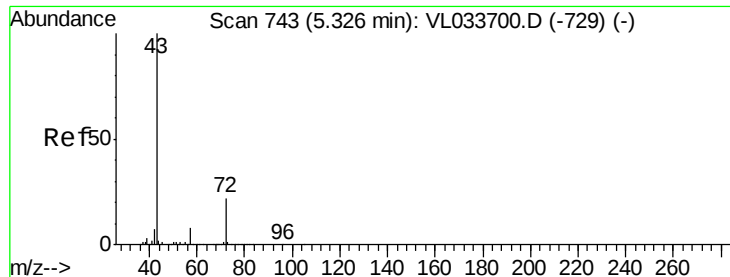
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033855.D
Acq: 30 May 2019 4:13

Tgt Ion: 114 Resp: 1582833
Ion Ratio Lower Upper
114 100
63 26.6 20.9 31.3
88 18.1 14.3 21.5



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

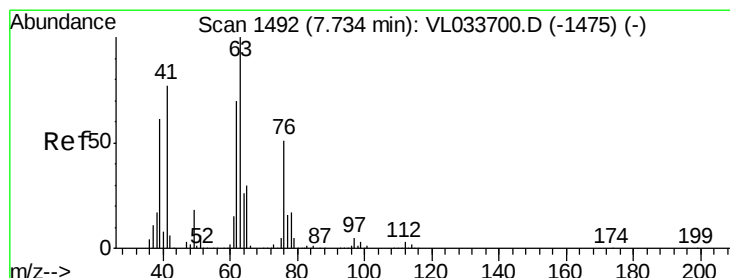
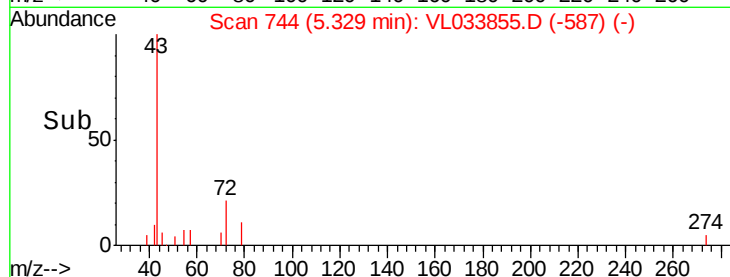
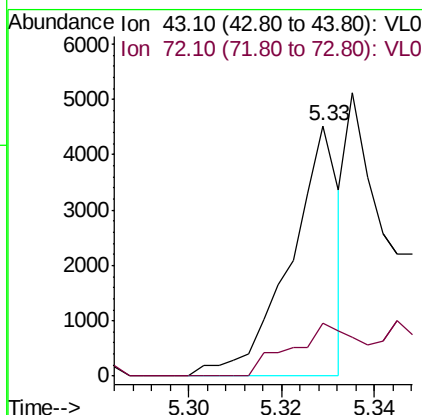
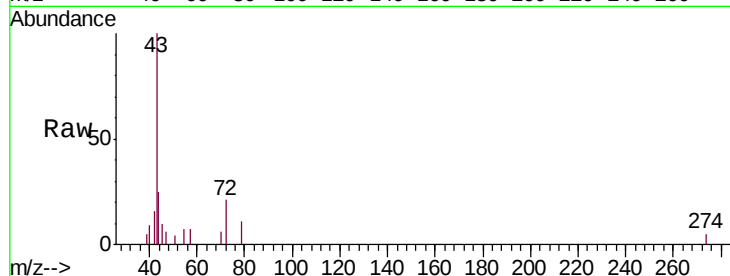




#34
 2-Butanone
 Concen: 0.034 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: VL033855.D
 Acq: 30 May 2019 4:13

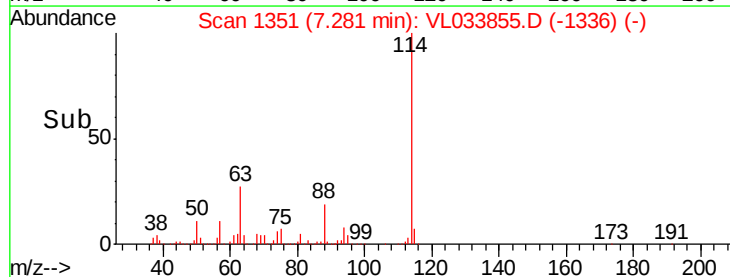
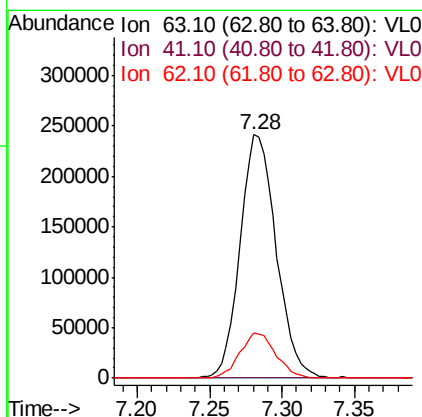
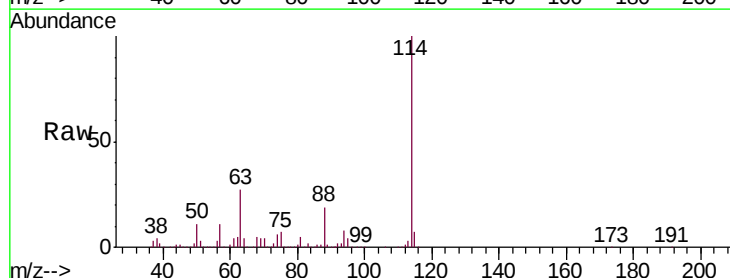
Instrument :
 MSVOA_L
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 SG-5-20190523-0DL

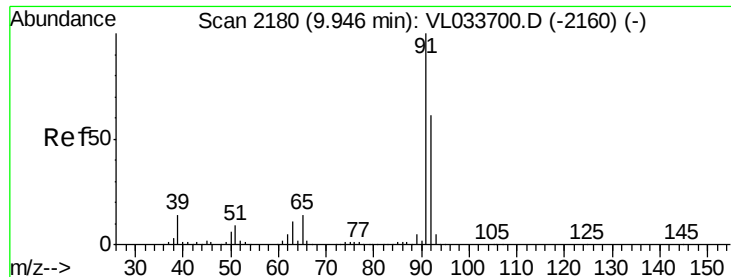
Tgt Ion: 43 Resp: 3289
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.8 26.6#



#39
 1,2-Dichloropropane
 Concen: 7.798 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.45 min
 Lab File: VL033855.D
 Acq: 30 May 2019 4:13

Tgt Ion: 63 Resp: 418627
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.5 92.3#
 62 18.5 56.2 84.4#





#53

Toluene

Concen: 0.095 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033855.D

Acq: 30 May 2019 4:13

Instrument :

MSVOA_L

ClientSampleId :

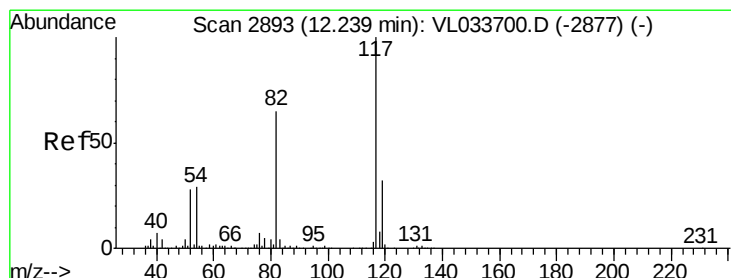
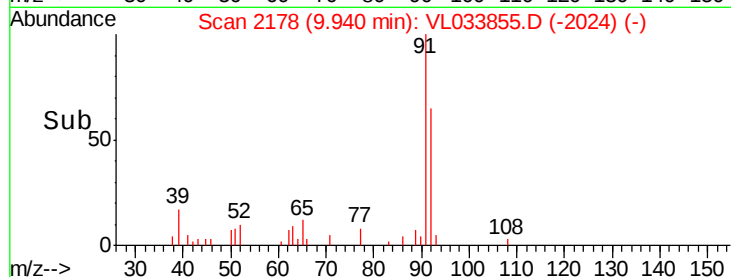
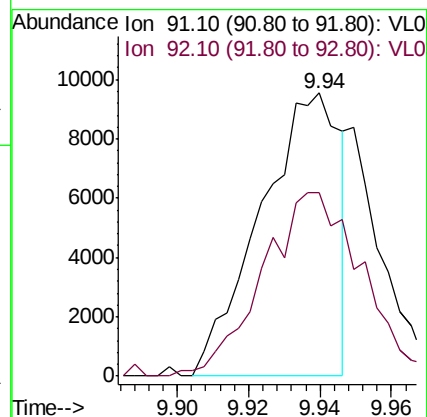
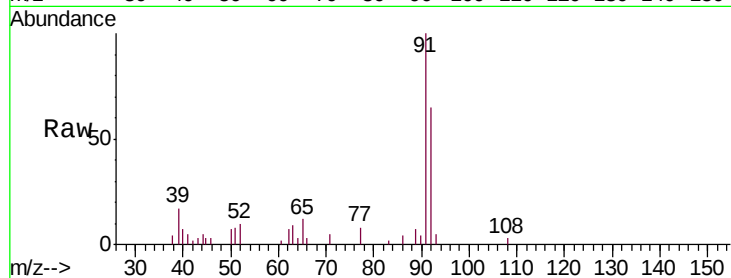
SG-5-20190523-0DL

Tgt Ion: 91 Resp: 14756

Ion Ratio Lower Upper

91 100

92 81.2 47.6 71.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL033855.D

Acq: 30 May 2019 4:13

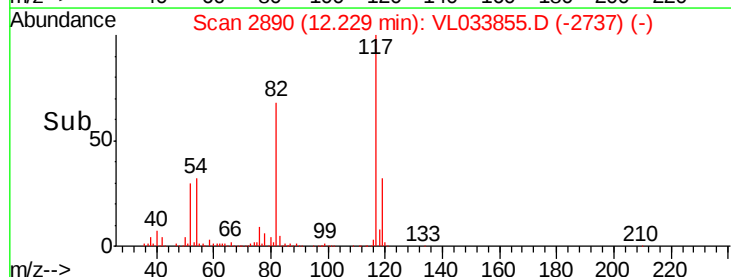
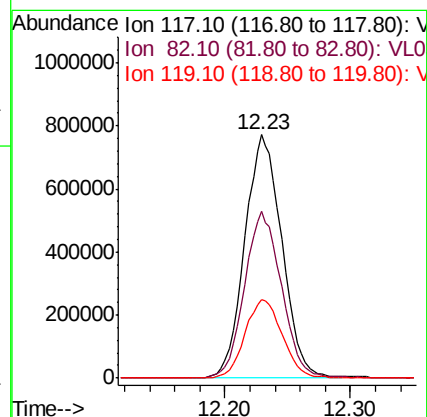
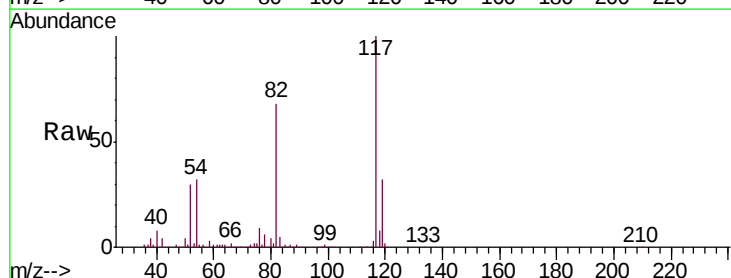
Tgt Ion: 117 Resp: 1588163

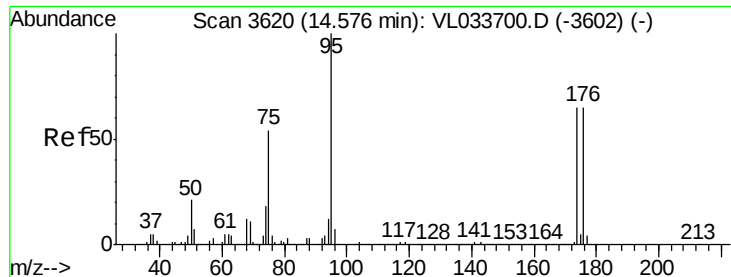
Ion Ratio Lower Upper

117 100

82 68.4 49.4 74.0

119 32.6 24.9 37.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.936 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033855.D
 Acq: 30 May 2019 4:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-5-20190523-0DL

Tgt Ion: 95 Resp: 1279233
 Ion Ratio Lower Upper
 95 100
 174 66.7 53.9 80.9
 175 4.6 3.8 5.8

