

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040367.D
 Acq On : 13 Apr 2023 20:02
 Operator : SY/MD
 Sample : 02332-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-24-20230412

Quant Time: Apr 14 08:36:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

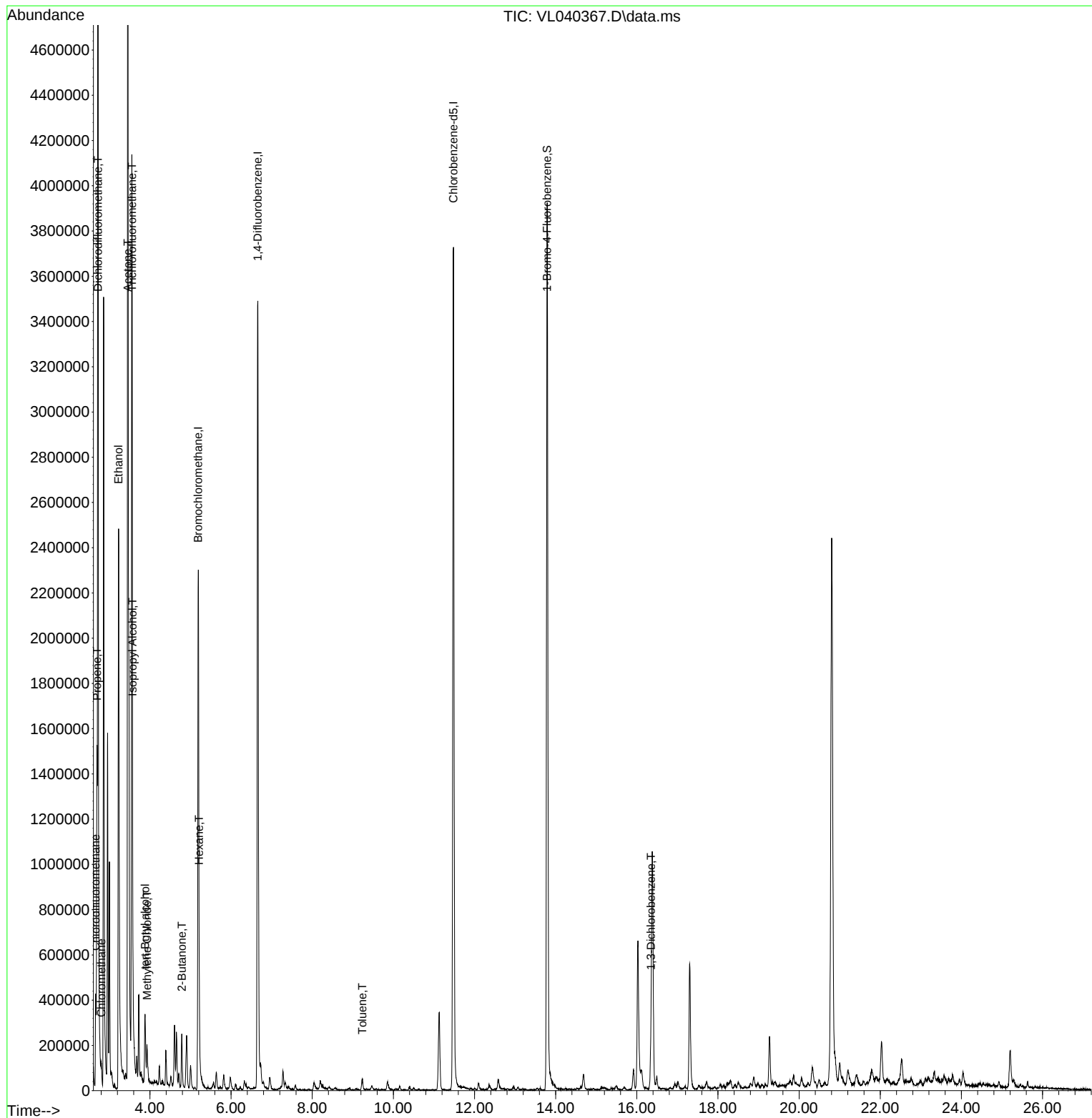
Internal Standards						
1) Bromochloromethane	5.189	49	1030013	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2523693	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2321295	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.790	95	1893548	9.865	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	4546424	24.481	ppbv	93
3) Chlorodifluoromethane	2.661	51	370999	2.756	ppbv	99
4) Chloromethane	2.800	50	67963	0.799	ppbv	98
9) Propene	2.694	41	367458	6.911	ppbv #	72
11) Trichlorofluoromethane	3.555	101	2663854	14.169	ppbv	100
13) Ethanol	3.227	45	2577186	580.588	ppbv	99
15) Acetone	3.456	43	5938402	40.705	ppbv	95
17) tert-Butyl alcohol	3.880	59	238720	1.782	ppbv	94
19) Isopropyl Alcohol	3.571	45	260415	3.912	ppbv #	1
20) Methylene Chloride	3.928	84	47580	0.817	ppbv	93
26) Hexane	5.211	57	48978	0.473	ppbv #	50
34) 2-Butanone	4.787	43	253645	1.864	ppbv	100
53) Toluene	9.233	91	28975	0.133	ppbv	98
75) 1,3-Dichlorobenzene	16.349	146	91826	0.571	ppbv	91

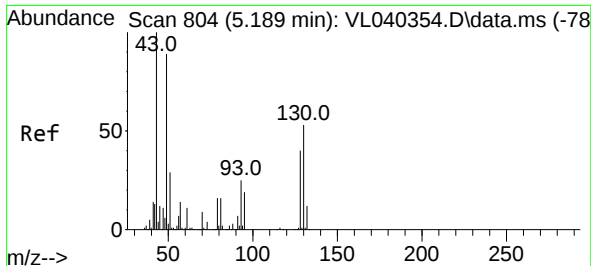
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

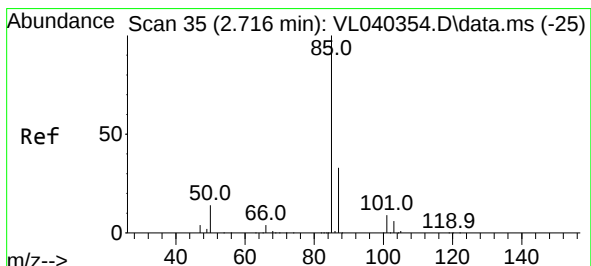
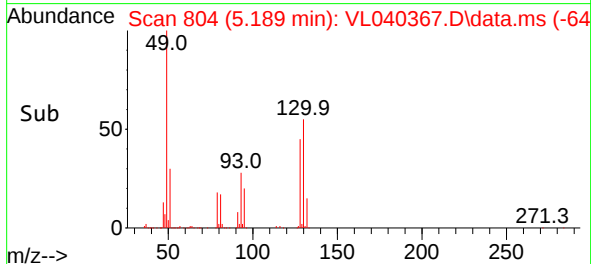
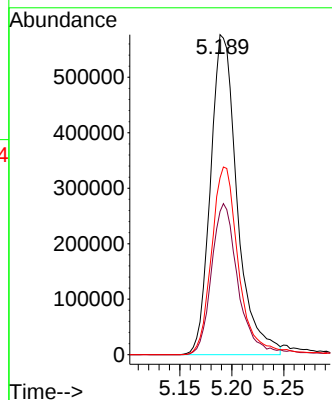
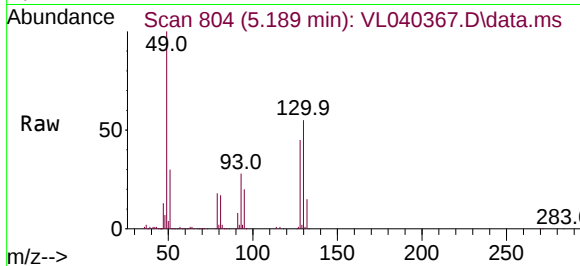




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL040367.D
Acq: 13 Apr 2023 20:02

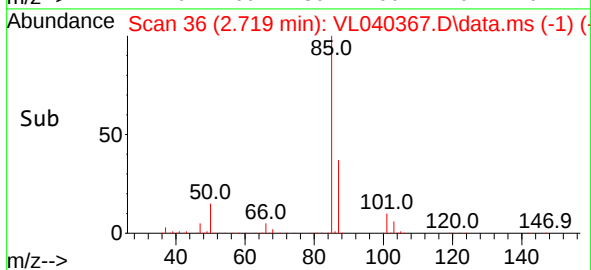
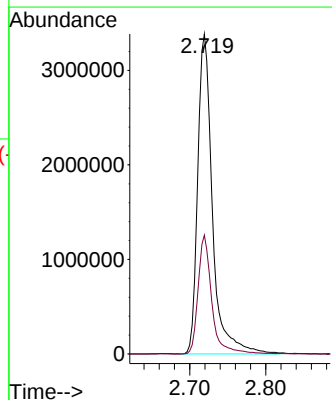
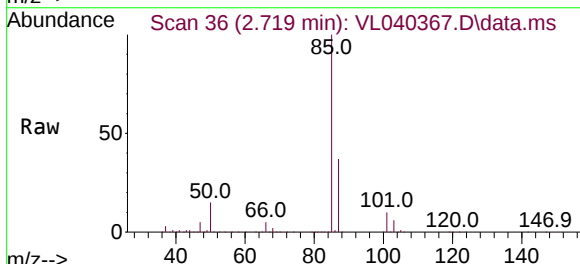
Instrument :
MSVOA_L
ClientSampleId :
SV-24-20230412

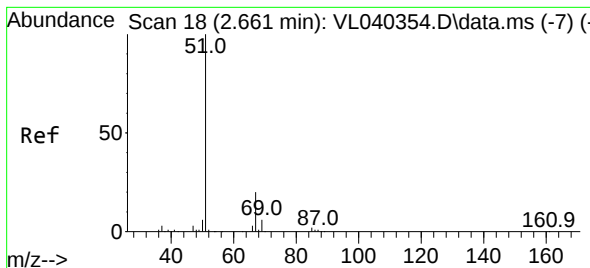
Tgt Ion: 49 Resp: 1030013
Ion Ratio Lower Upper
49 100
128 47.9 23.7 71.1
130 60.4 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 24.481 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.003 min
Lab File: VL040367.D
Acq: 13 Apr 2023 20:02

Tgt Ion: 85 Resp: 4546424
Ion Ratio Lower Upper
85 100
87 37.2 26.6 40.0





#3

Chlorodifluoromethane

Concen: 2.756 ppbv

RT: 2.661 min Scan# 18

Delta R.T. 0.000 min

Lab File: VL040367.D

Acq: 13 Apr 2023 20:02

Instrument :

MSVOA_L

ClientSampleId :

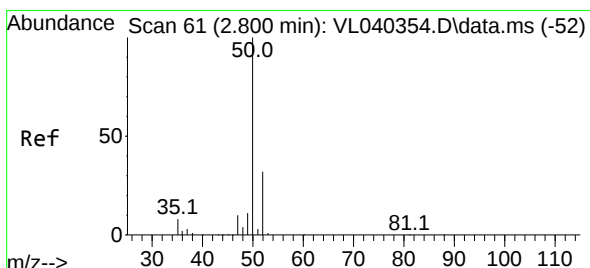
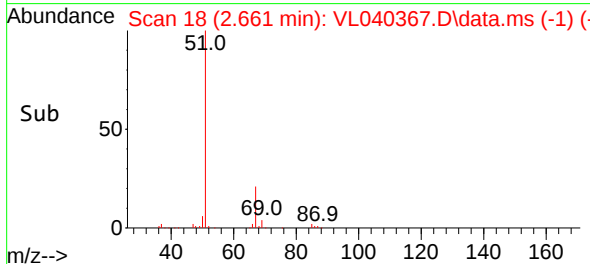
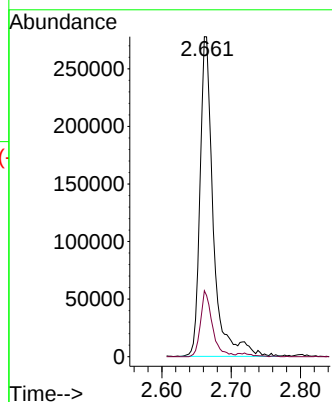
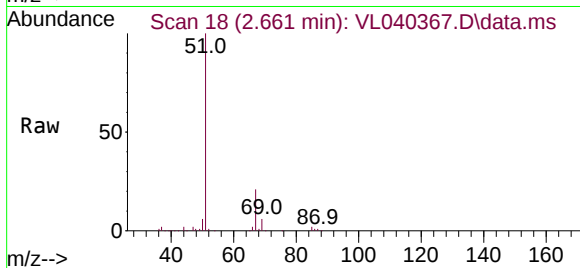
SV-24-20230412

Tgt Ion: 51 Resp: 370999

Ion Ratio Lower Upper

51 100

67 19.7 15.5 23.3



#4

Chloromethane

Concen: 0.799 ppbv

RT: 2.800 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL040367.D

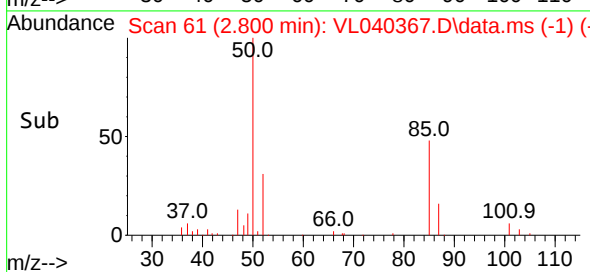
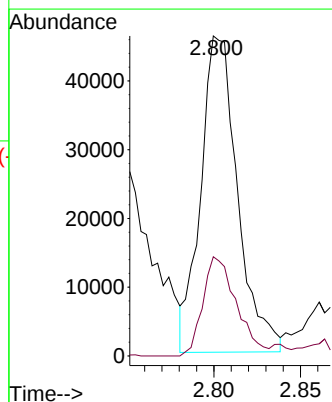
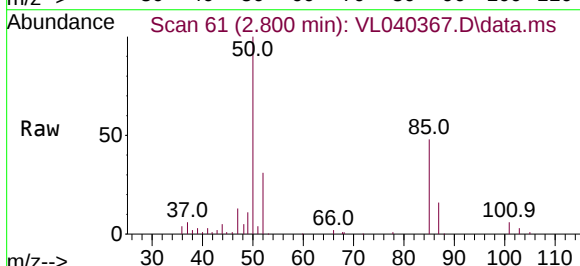
Acq: 13 Apr 2023 20:02

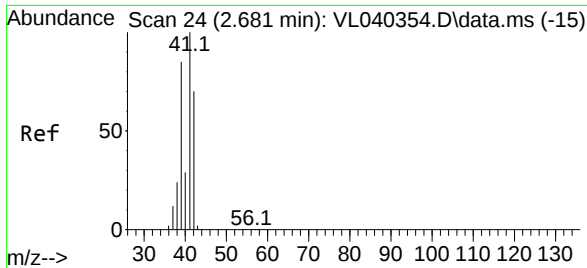
Tgt Ion: 50 Resp: 67963

Ion Ratio Lower Upper

50 100

52 32.9 25.3 37.9





#9

Propene

Concen: 6.911 ppbv

RT: 2.694 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL040367.D

Acq: 13 Apr 2023 20:02

Instrument :

MSVOA_L

ClientSampleId :

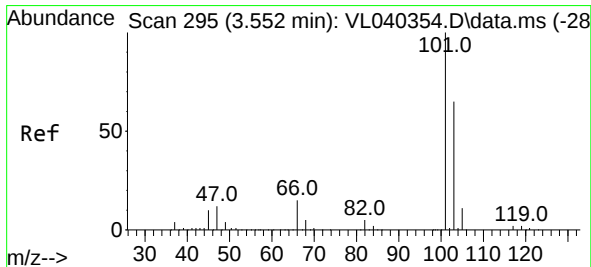
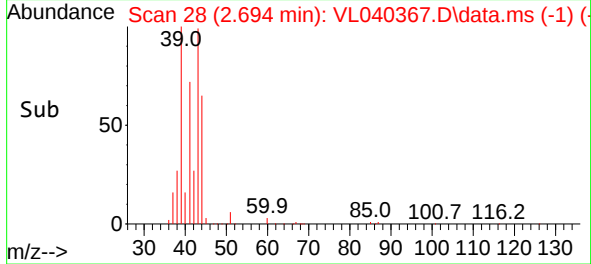
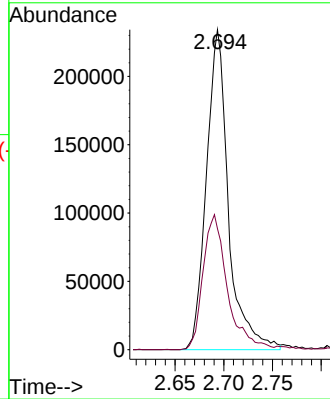
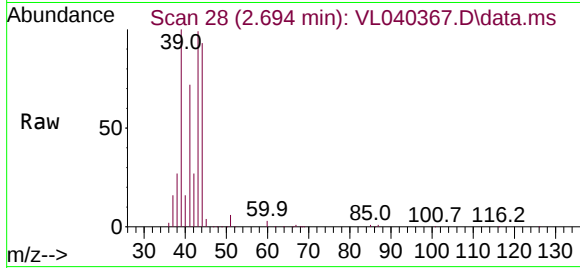
SV-24-20230412

Tgt Ion: 41 Resp: 367458

Ion Ratio Lower Upper

41 100

42 47.6 56.5 84.7#



#11

Trichlorofluoromethane

Concen: 14.169 ppbv

RT: 3.555 min Scan# 296

Delta R.T. 0.003 min

Lab File: VL040367.D

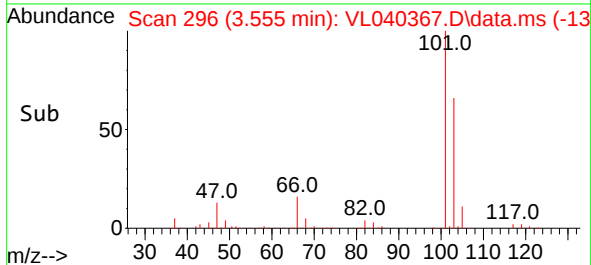
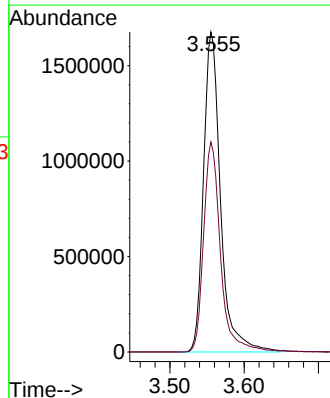
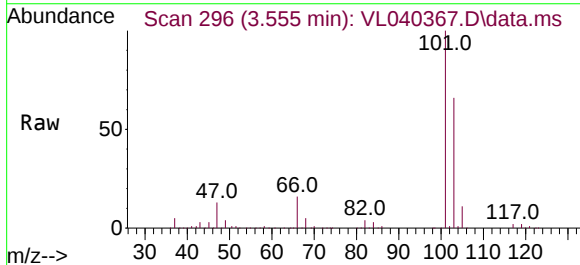
Acq: 13 Apr 2023 20:02

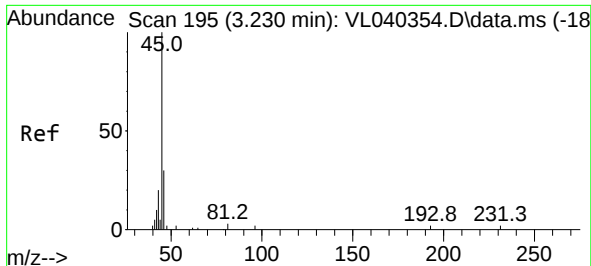
Tgt Ion: 101 Resp: 2663854

Ion Ratio Lower Upper

101 100

103 65.6 52.2 78.4





#13

Ethanol

Concen: 580.588 ppbv

RT: 3.227 min Scan# 194

Delta R.T. -0.003 min

Lab File: VL040367.D

Acq: 13 Apr 2023 20:02

Instrument :

MSVOA_L

ClientSampleId :

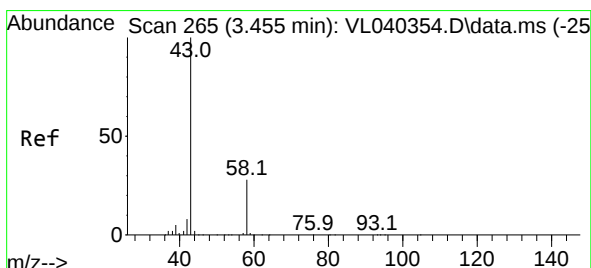
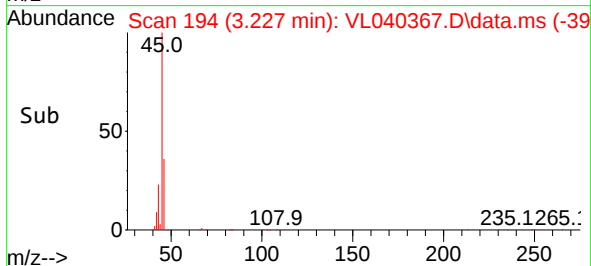
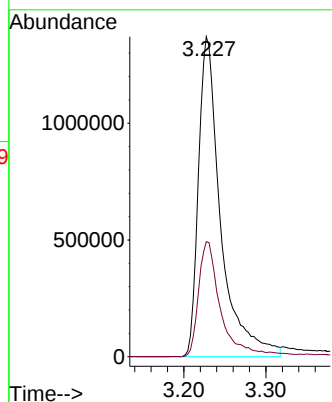
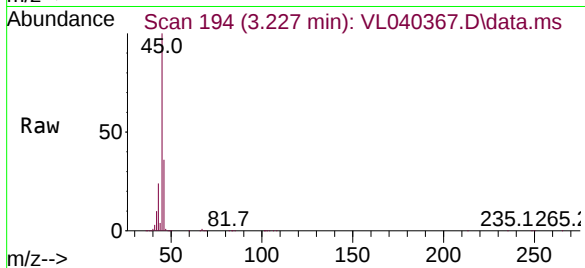
SV-24-20230412

Tgt Ion: 45 Resp: 2577186

Ion Ratio Lower Upper

45 100

46 37.6 15.3 61.3



#15

Acetone

Concen: 40.705 ppbv

RT: 3.456 min Scan# 265

Delta R.T. 0.000 min

Lab File: VL040367.D

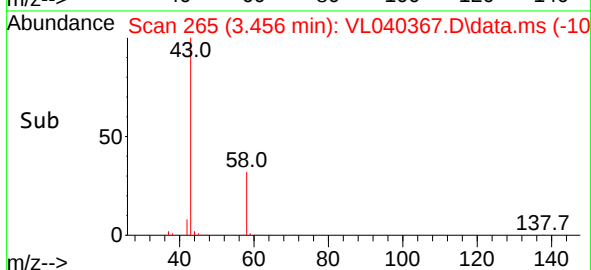
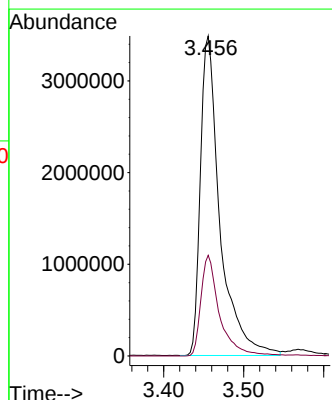
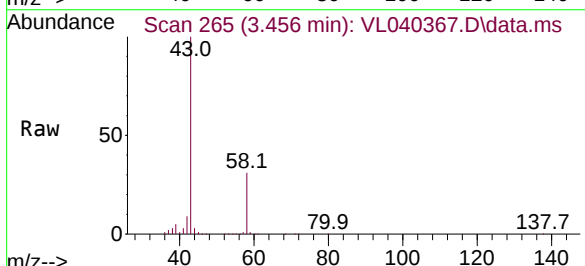
Acq: 13 Apr 2023 20:02

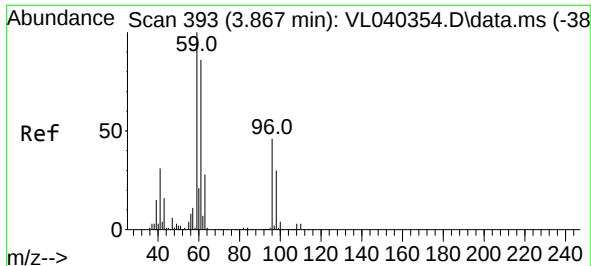
Tgt Ion: 43 Resp: 5938402

Ion Ratio Lower Upper

43 100

58 30.5 22.2 33.2





#17

tert-Butyl alcohol

Concen: 1.782 ppbv

RT: 3.880 min Scan# 301

Delta R.T. 0.013 min

Lab File: VL040367.D

Acq: 13 Apr 2023 20:02

Instrument :

MSVOA_L

ClientSampleId :

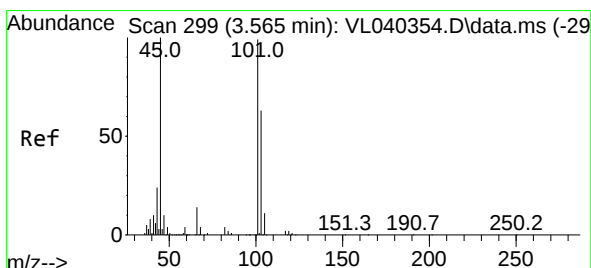
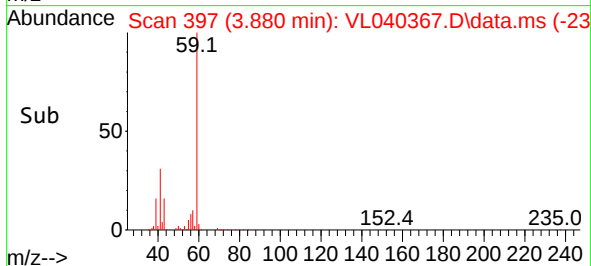
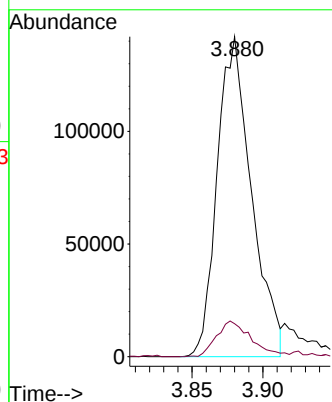
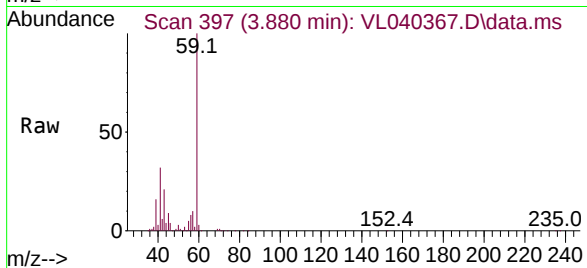
SV-24-20230412

Tgt Ion: 59 Resp: 238720

Ion Ratio Lower Upper

59 100

57 12.7 8.5 12.7



#19

Isopropyl Alcohol

Concen: 3.912 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.007 min

Lab File: VL040367.D

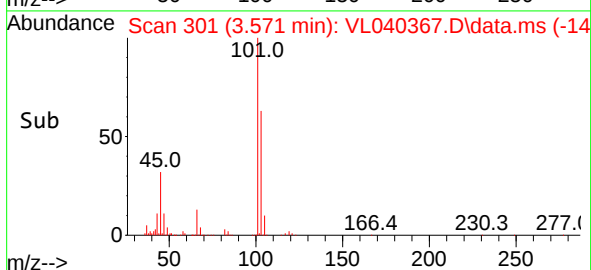
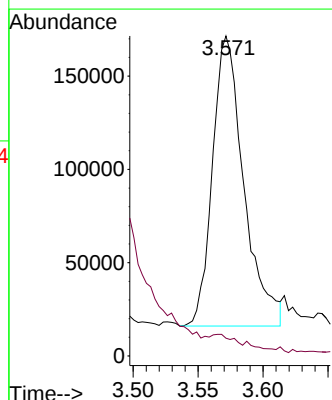
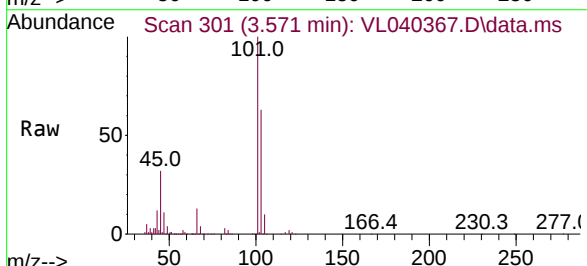
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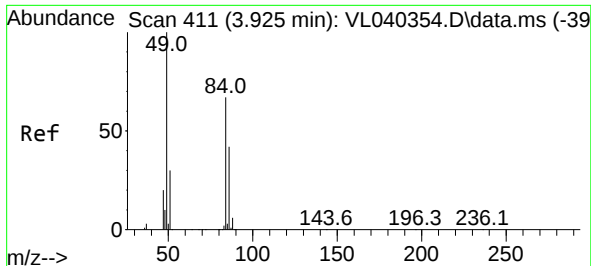
Tgt Ion: 45 Resp: 260415

Ion Ratio Lower Upper

45 100

58 697.3 2.6 4.0#

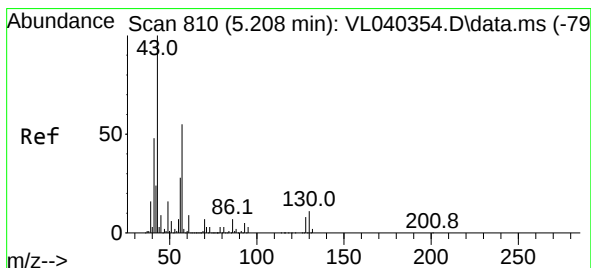
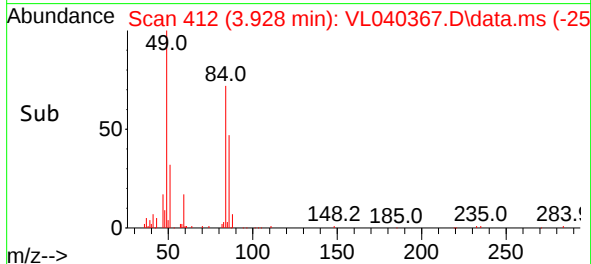
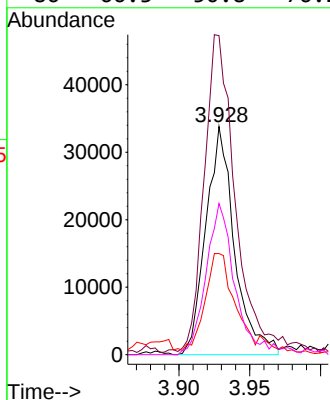
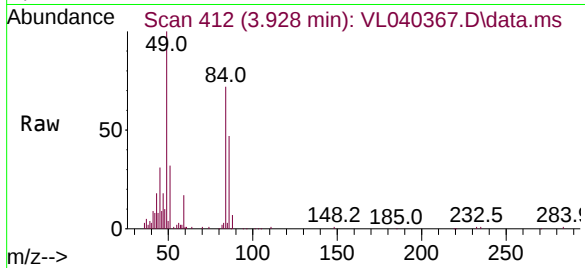




#20
Methylene Chloride
Concen: 0.817 ppbv
RT: 3.928 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040367.D
Acq: 13 Apr 2023 20:02

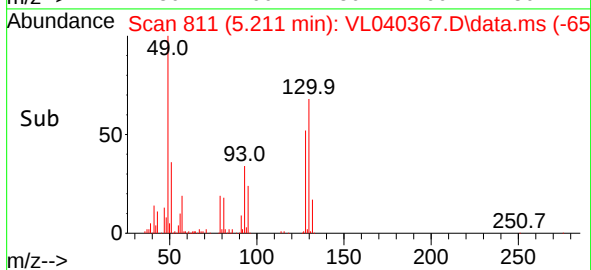
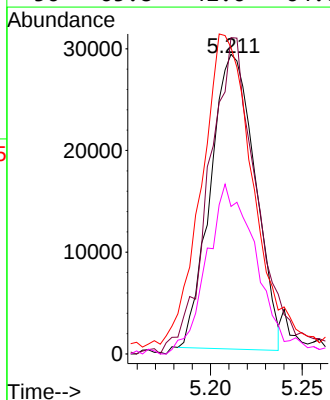
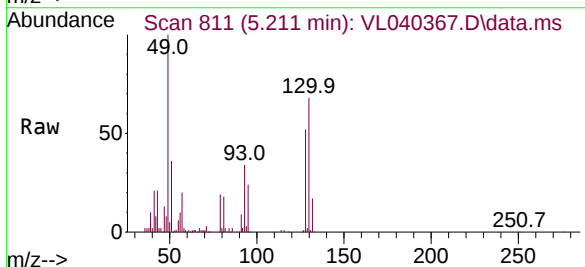
Instrument :
MSVOA_L
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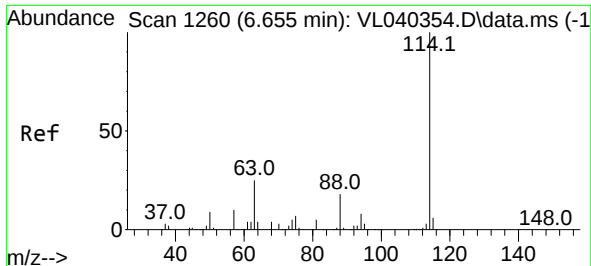
Tgt Ion:	84	Resp:	47580
Ion	Ratio	Lower	Upper
84	100		
49	138.4	120.1	180.1
51	41.8	36.3	54.5
86	66.3	50.8	76.2



#26
Hexane
Concen: 0.473 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040367.D
Acq: 13 Apr 2023 20:02

Tgt Ion:	57	Resp:	48978
Ion	Ratio	Lower	Upper
57	100		
41	121.3	74.8	112.2#
43	129.8	192.7	289.1#
56	65.8	42.6	64.0#

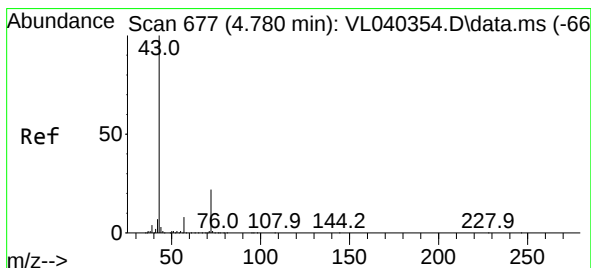
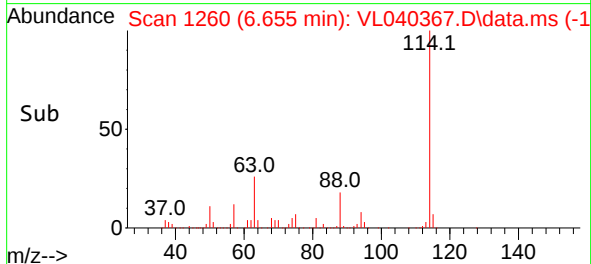
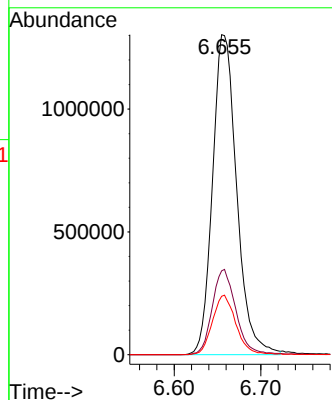
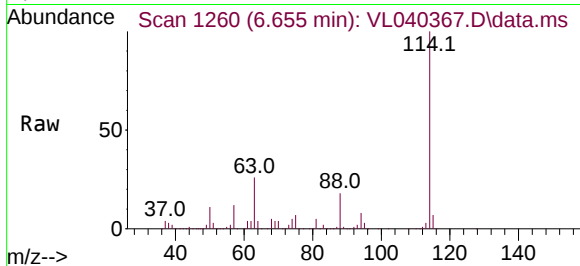




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 114
Delta R.T. 0.000 min
Lab File: VL040367.D
Acq: 13 Apr 2023 20:02

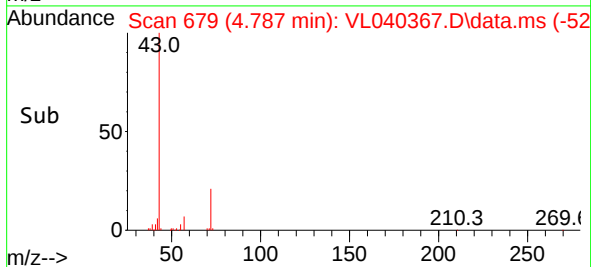
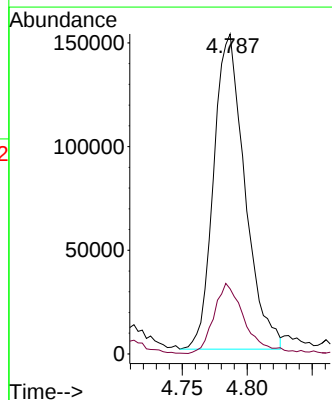
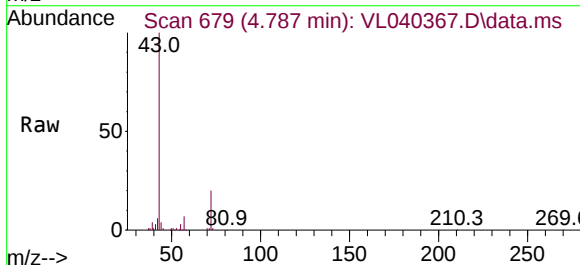
Instrument :
MSVOA_L
ClientSampleId :
SV-24-20230412

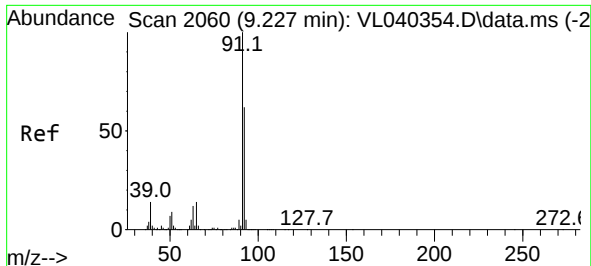
Tgt Ion:114 Resp: 2523693
Ion Ratio Lower Upper
114 100
63 26.4 21.4 32.0
88 18.3 14.6 22.0



#34
2-Butanone
Concen: 1.864 ppbv
RT: 4.787 min Scan# 679
Delta R.T. 0.007 min
Lab File: VL040367.D
Acq: 13 Apr 2023 20:02

Tgt Ion: 43 Resp: 253645
Ion Ratio Lower Upper
43 100
72 22.8 18.4 27.6

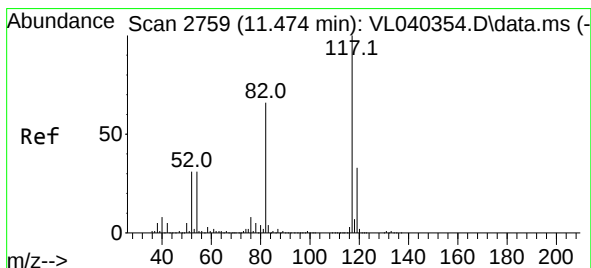
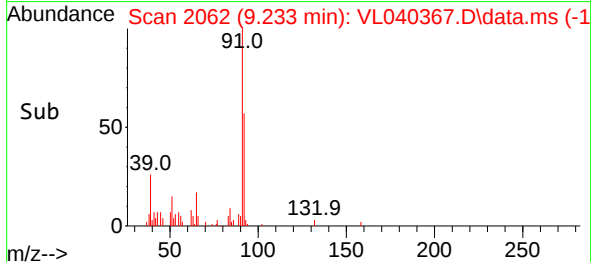
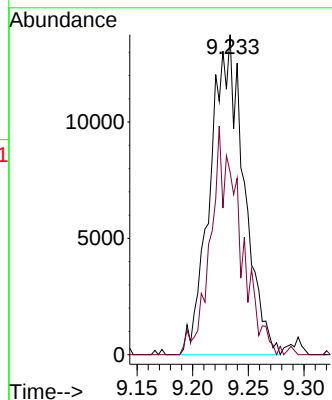
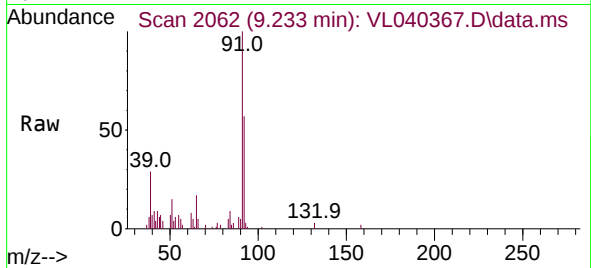




#53
Toluene
Concen: 0.133 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.007 min
Lab File: VL040367.D
Acq: 13 Apr 2023 20:02

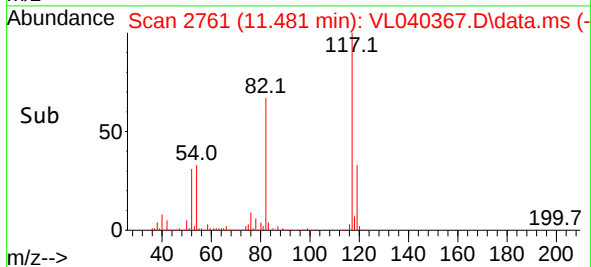
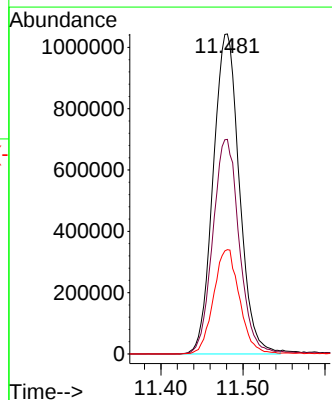
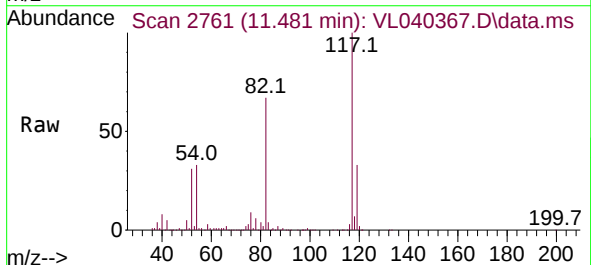
Instrument :
MSVOA_L
ClientSampleId :
SV-24-20230412

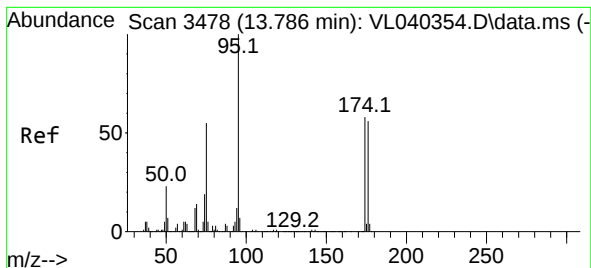
Tgt Ion: 91 Resp: 28975
Ion Ratio Lower Upper
91 100
92 62.8 48.9 73.3



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.007 min
Lab File: VL040367.D
Acq: 13 Apr 2023 20:02

Tgt Ion: 117 Resp: 2321295
Ion Ratio Lower Upper
117 100
82 68.5 52.5 78.7
119 32.6 24.3 36.5





#68

1-Bromo-4-Fluorobenzene

Concen: 9.865 ppbv

RT: 13.790 min Scan# 3478

Delta R.T. 0.003 min

Lab File: VL040367.D

Acq: 13 Apr 2023 20:02

Instrument :

MSVOA_L

ClientSampleId :

SV-24-20230412

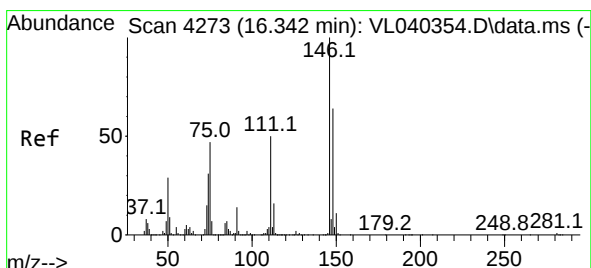
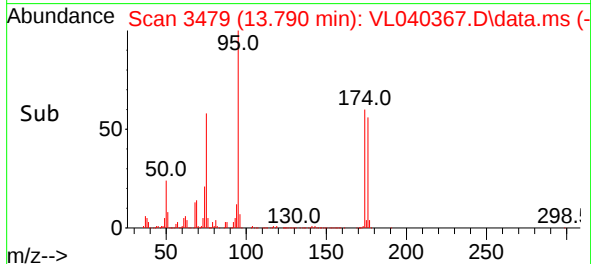
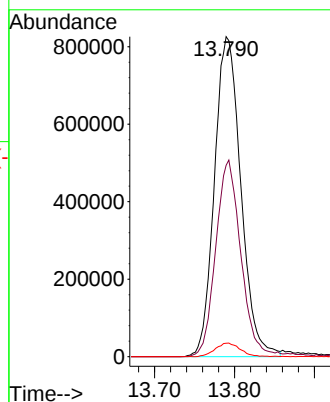
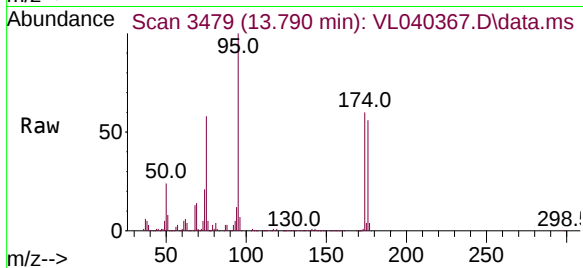
Tgt Ion: 95 Resp: 1893548

Ion Ratio Lower Upper

95 100

174 60.0 47.2 70.8

175 4.1 3.5 5.3



#75

1,3-Dichlorobenzene

Concen: 0.571 ppbv

RT: 16.349 min Scan# 4275

Delta R.T. 0.006 min

Lab File: VL040367.D

Acq: 13 Apr 2023 20:02

Tgt Ion: 146 Resp: 91826

Ion Ratio Lower Upper

146 100

111 58.8 24.6 74.0

148 68.2 32.1 96.3

