

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040449.D
 Acq On : 16 May 2023 22:34
 Operator : SY/MD
 Sample : 02793-03DL 80X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3DL

Quant Time: May 17 05:18:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 17 05:12:40 2023
 Response via : Initial Calibration

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

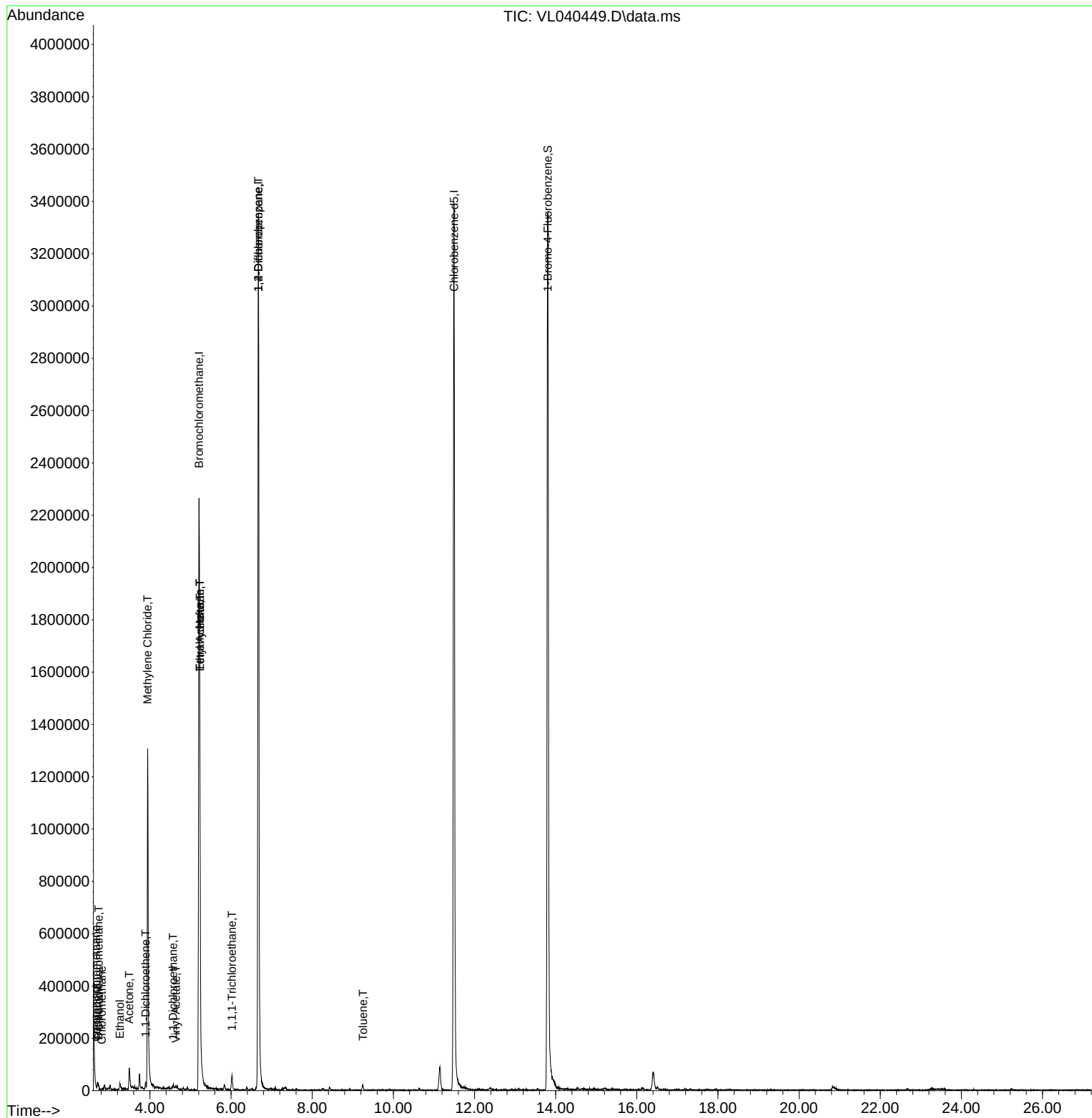
Internal Standards						
1) Bromochloromethane	5.208	49	998984	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2450929	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	2109352	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.805	95	1640440	9.672	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.735	85	9069	0.046	ppbv	94
3) Chlorodifluoromethane	2.674	51	6797	0.053	ppbv #	86
4) Chloromethane	2.816	50	2420	0.030	ppbv #	76
9) Propene	2.706	41	6869	0.137	ppbv	92
13) Ethanol	3.259	45	12989	3.415	ppbv #	18
15) Acetone	3.488	43	80595	0.638	ppbv	95
18) 1,1-Dichloroethene	3.893	96	6429	0.112	ppbv #	83
20) Methylene Chloride	3.944	84	441462	7.842	ppbv	98
23) Vinyl Acetate	4.639	43	2009	0.058	ppbv #	57
24) 1,1-Dichloroethane	4.571	63	5902	0.049	ppbv #	94
25) Ethyl Acetate	5.230	43	255442	1.073	ppbv #	75
26) Hexane	5.227	57	366890	3.719	ppbv #	37
32) 1,1,1-Trichloroethane	6.021	97	16890	0.090	ppbv #	22
39) 1,2-Dichloropropane	6.674	63	627975	8.053	ppbv #	22
41) Tetrahydrofuran	5.230	42	142920	1.974	ppbv #	47
53) Toluene	9.249	91	6631	0.032	ppbv #	20

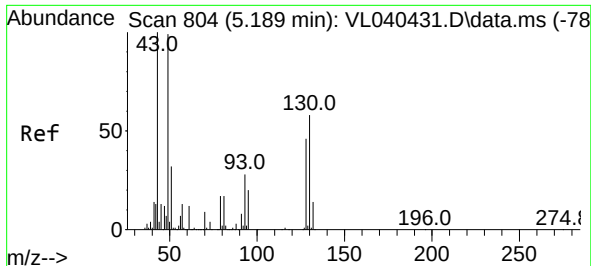
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
Data File : VL040449.D
Acq On : 16 May 2023 22:34
Operator : SY/MD
Sample : 02793-03DL 80X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Quant Time: May 17 05:18:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed May 17 05:12:40 2023
Response via : Initial Calibration

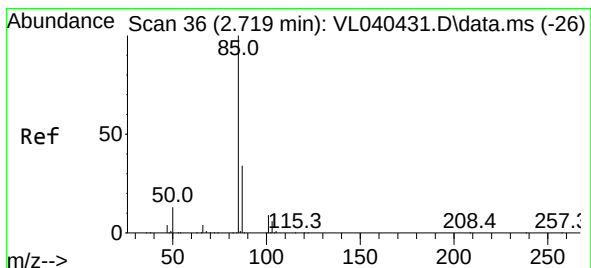
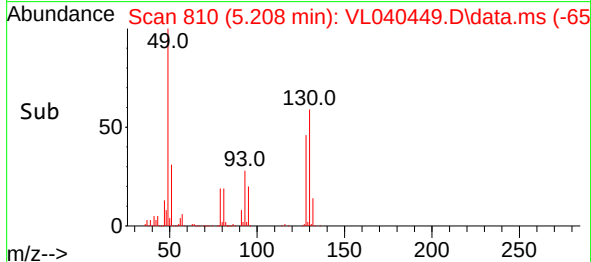
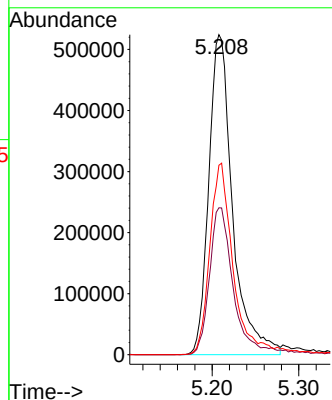
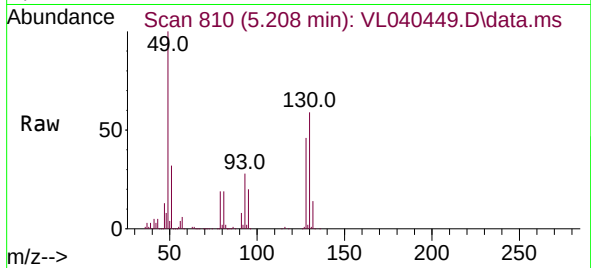




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040449.D
Acq: 16 May 2023 22:34

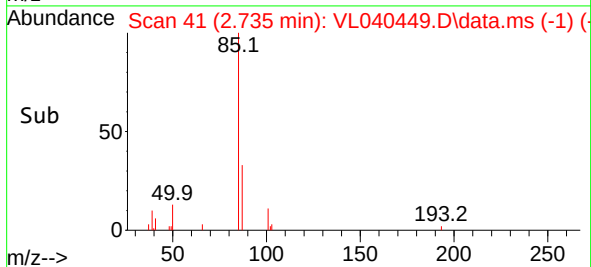
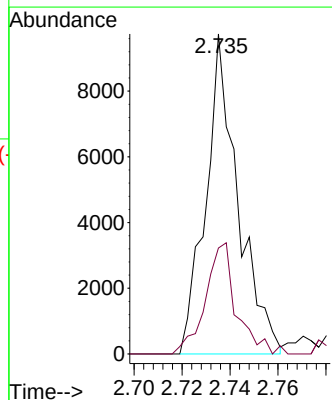
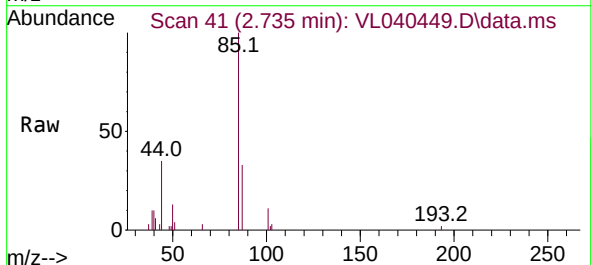
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

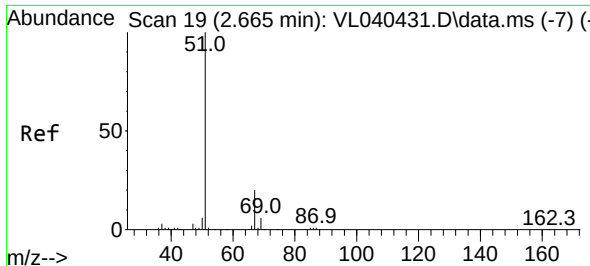
Tgt Ion: 49 Resp: 998984
Ion Ratio Lower Upper
49 100
128 46.9 24.3 72.8
130 61.1 30.2 90.6



#2
Dichlorodifluoromethane
Concen: 0.046 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040449.D
Acq: 16 May 2023 22:34

Tgt Ion: 85 Resp: 9069
Ion Ratio Lower Upper
85 100
87 30.8 27.4 41.0

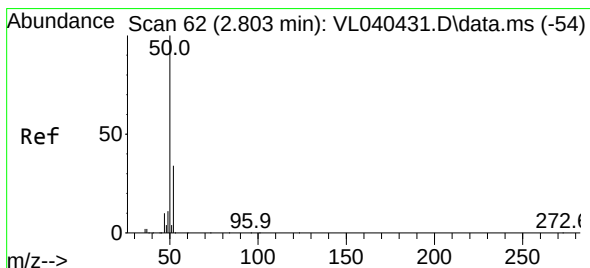
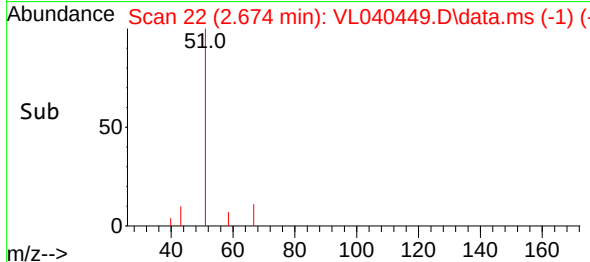
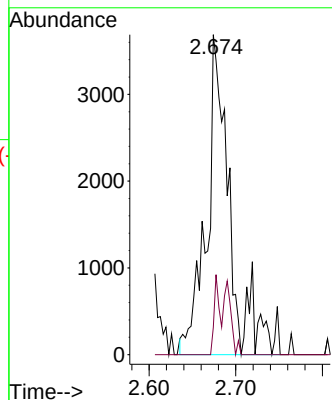
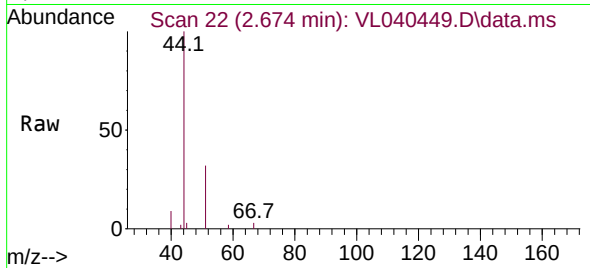




#3
Chlorodifluoromethane
Concen: 0.053 ppbv
RT: 2.674 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040449.D
Acq: 16 May 2023 22:34

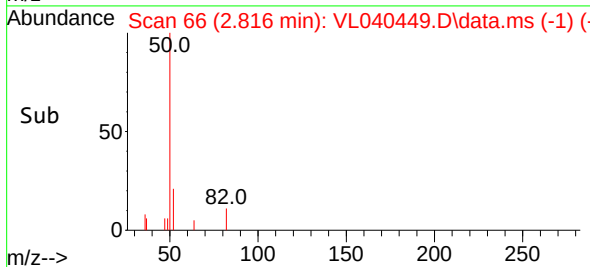
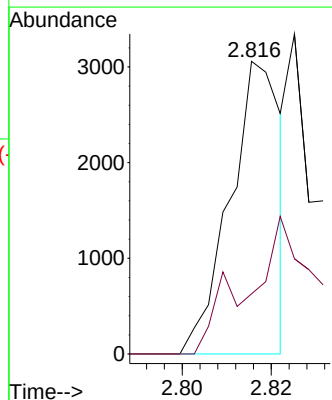
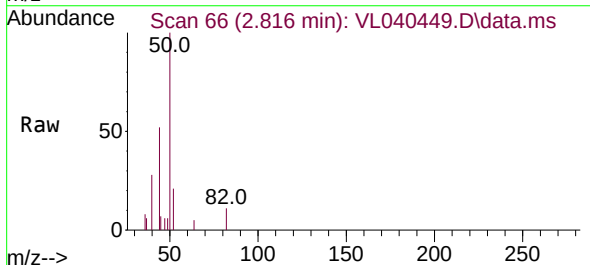
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

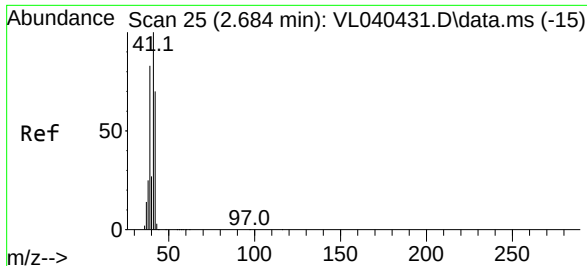
Tgt Ion: 51 Resp: 6797
Ion Ratio Lower Upper
51 100
67 13.2 15.8 23.6#



#4
Chloromethane
Concen: 0.030 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL040449.D
Acq: 16 May 2023 22:34

Tgt Ion: 50 Resp: 2420
Ion Ratio Lower Upper
50 100
52 20.6 27.6 41.4#





#9

Propene

Concen: 0.137 ppbv

RT: 2.706 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL040449.D

Acq: 16 May 2023 22:34

Instrument :

MSVOA_L

ClientSampleId :

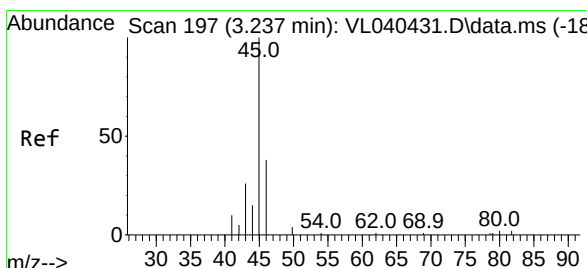
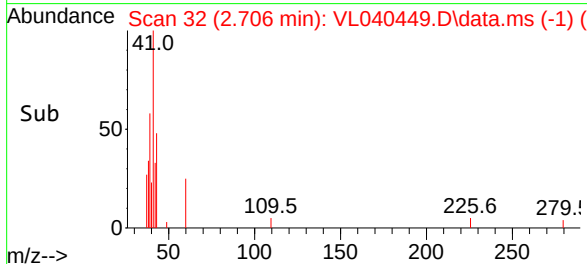
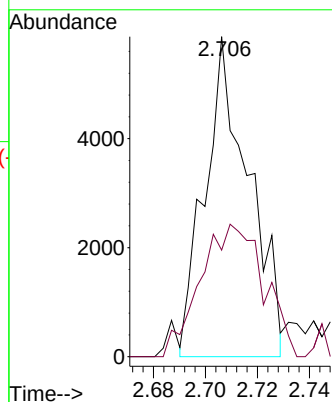
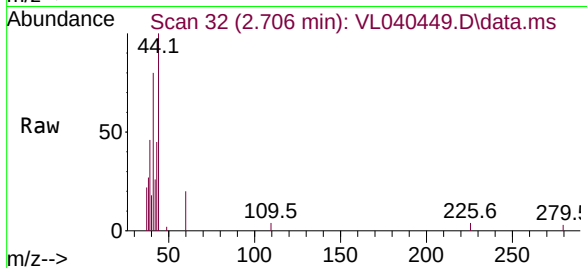
SG-3DL

Tgt Ion: 41 Resp: 6869

Ion Ratio Lower Upper

41 100

42 64.1 56.6 84.8



#13

Ethanol

Concen: 3.415 ppbv

RT: 3.259 min Scan# 204

Delta R.T. 0.010 min

Lab File: VL040449.D

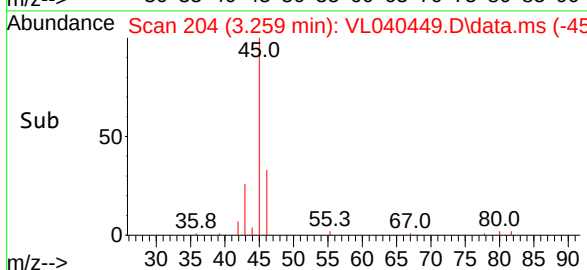
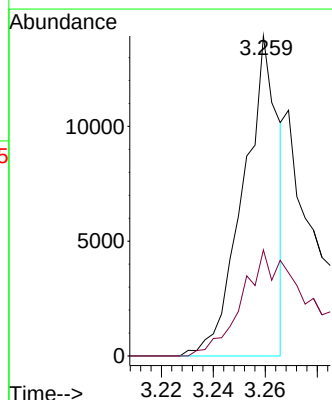
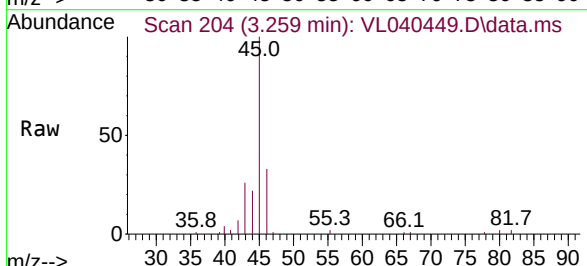
Acq: 16 May 2023 22:34

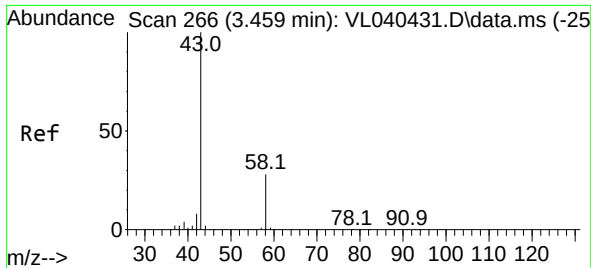
Tgt Ion: 45 Resp: 12989

Ion Ratio Lower Upper

45 100

46 79.1 13.2 52.8#

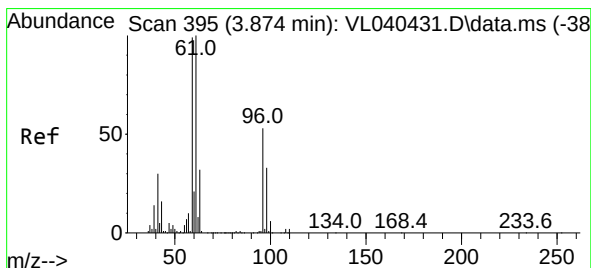
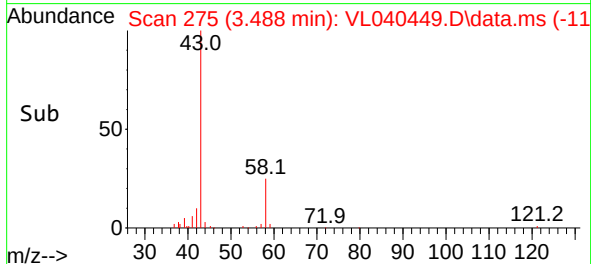
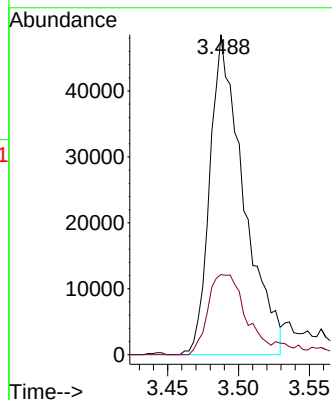
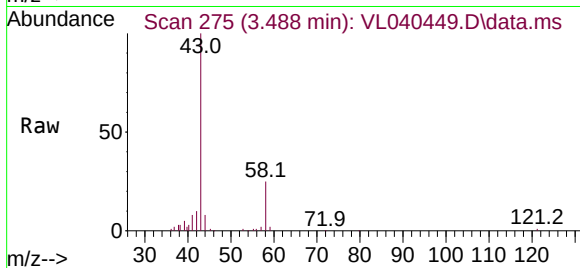




#15
Acetone
Concen: 0.638 ppbv
RT: 3.488 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040449.D
Acq: 16 May 2023 22:34

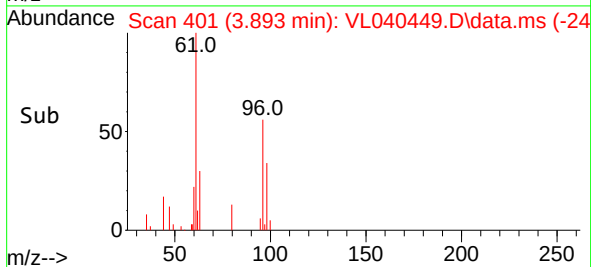
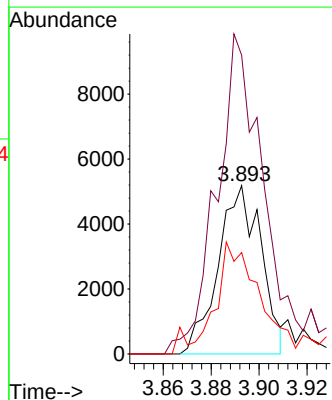
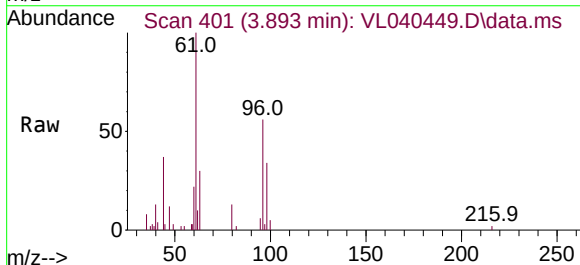
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

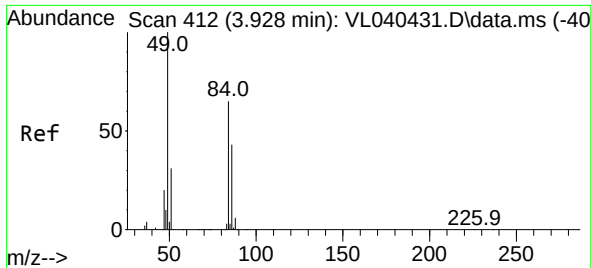
Tgt Ion: 43 Resp: 80595
Ion Ratio Lower Upper
43 100
58 30.3 22.2 33.4



#18
1,1-Dichloroethene
Concen: 0.112 ppbv
RT: 3.893 min Scan# 401
Delta R.T. 0.006 min
Lab File: VL040449.D
Acq: 16 May 2023 22:34

Tgt Ion: 96 Resp: 6429
Ion Ratio Lower Upper
96 100
61 168.6 151.8 227.8
98 44.6 50.5 75.7#

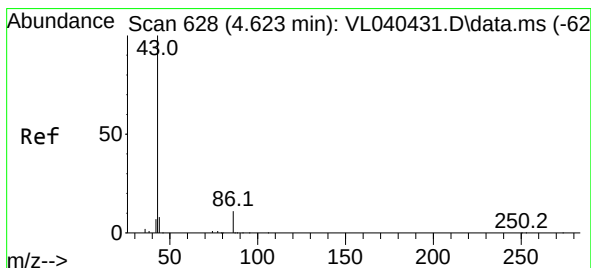
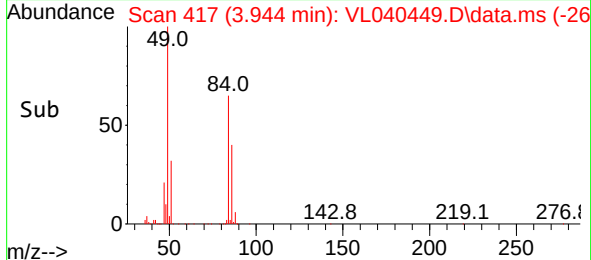
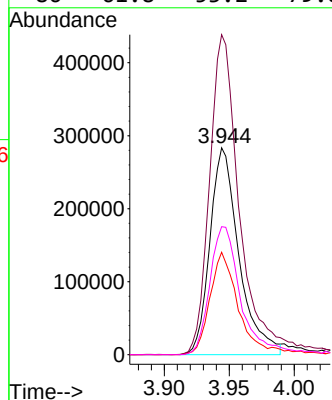
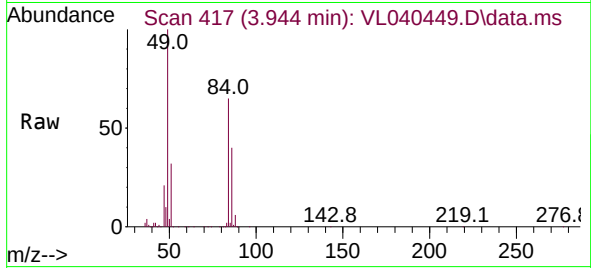




#20
Methylene Chloride
Concen: 7.842 ppbv
RT: 3.944 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040449.D
Acq: 16 May 2023 22:34

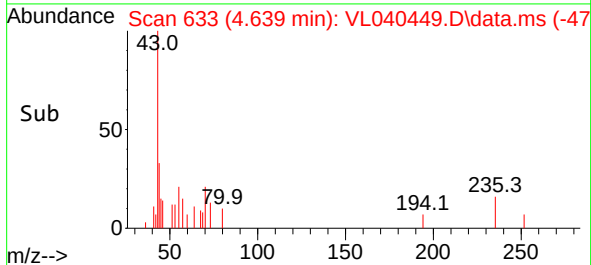
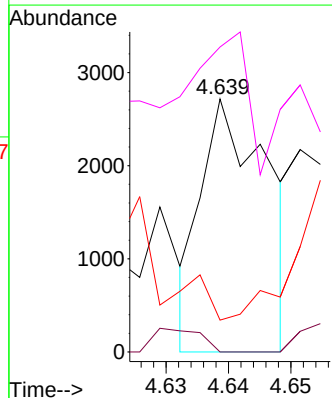
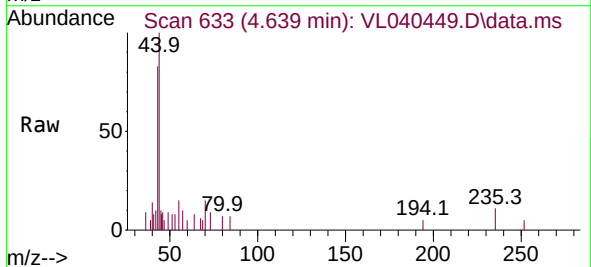
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

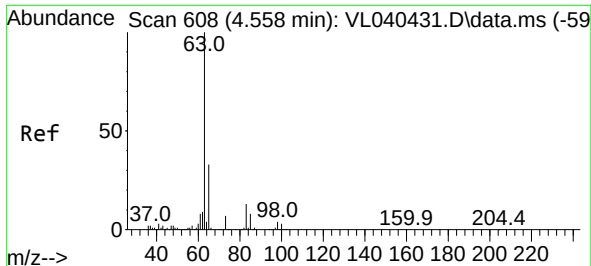
Tgt Ion: 84 Resp: 441462
Ion Ratio Lower Upper
84 100
49 154.5 123.7 185.5
51 49.4 38.6 57.8
86 61.8 53.2 79.8



#23
Vinyl Acetate
Concen: 0.058 ppbv
RT: 4.639 min Scan# 633
Delta R.T. 0.003 min
Lab File: VL040449.D
Acq: 16 May 2023 22:34

Tgt Ion: 43 Resp: 2009
Ion Ratio Lower Upper
43 100
86 0.0 5.4 8.2#
42 0.0 7.8 11.6#
44 37.3 6.2 9.4#





#24

1,1-Dichloroethane

Concen: 0.049 ppbv

RT: 4.571 min Scan# 612

Delta R.T. -0.000 min

Lab File: VL040449.D

Acq: 16 May 2023 22:34

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL

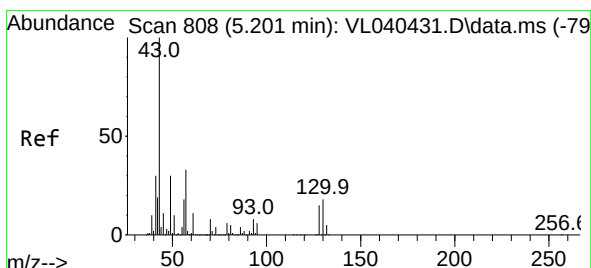
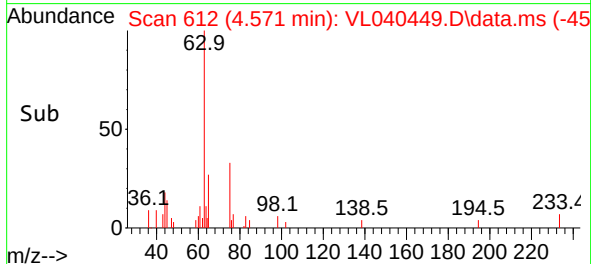
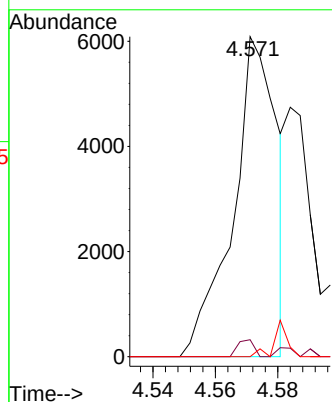
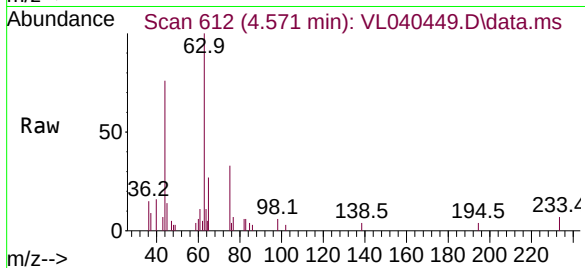
Tgt Ion: 63 Resp: 5902

Ion Ratio Lower Upper

63 100

98 5.3 2.0 5.8

100 0.0 1.4 4.2#



#25

Ethyl Acetate

Concen: 1.073 ppbv

RT: 5.230 min Scan# 817

Delta R.T. 0.016 min

Lab File: VL040449.D

Acq: 16 May 2023 22:34

Tgt Ion: 43 Resp: 255442

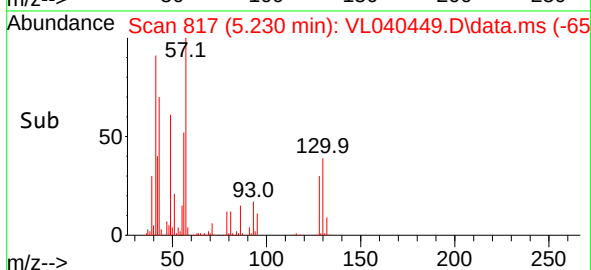
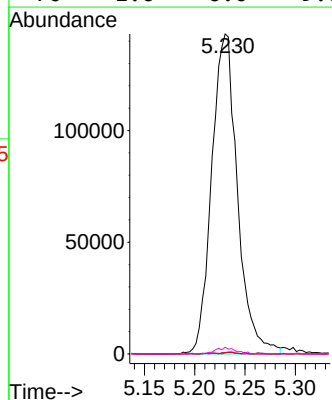
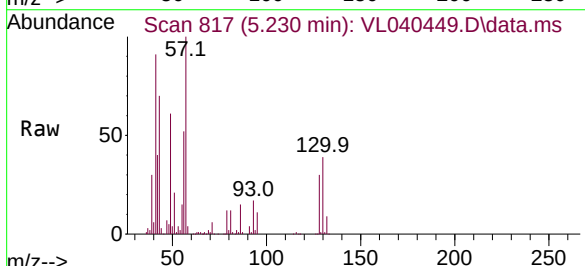
Ion Ratio Lower Upper

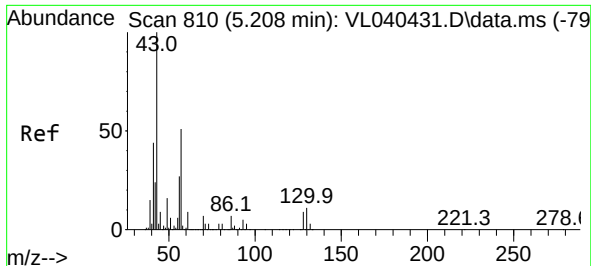
43 100

45 0.4 8.6 13.0#

61 0.4 8.6 12.8#

70 1.6 6.0 9.0#

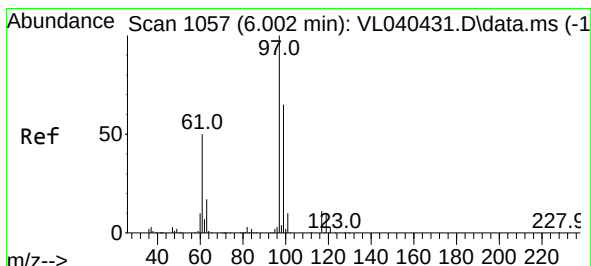
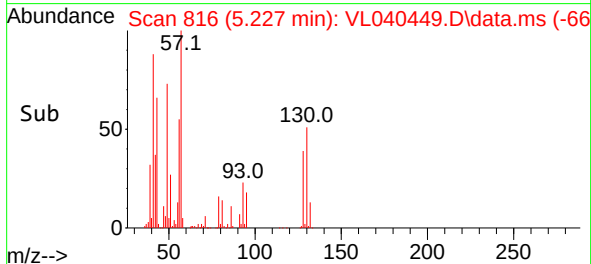
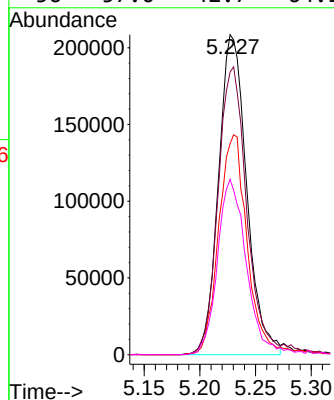
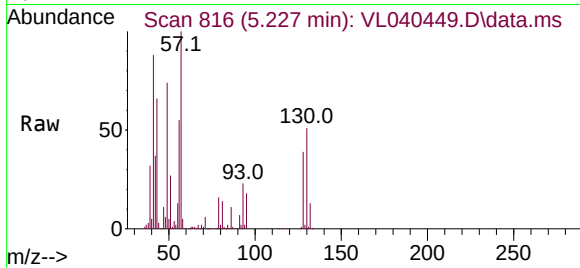




#26
Hexane
Concen: 3.719 ppbv
RT: 5.227 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL040449.D
Acq: 16 May 2023 22:34

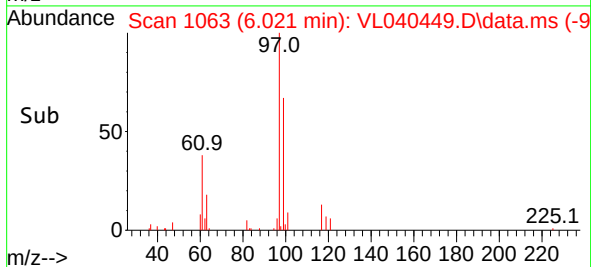
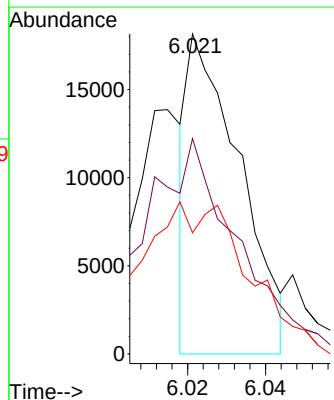
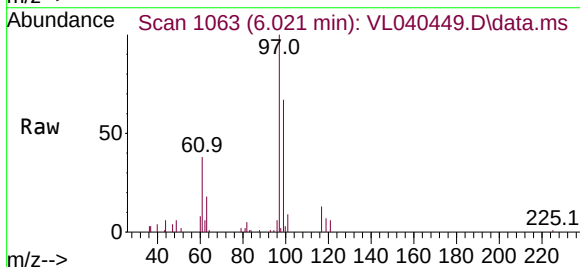
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

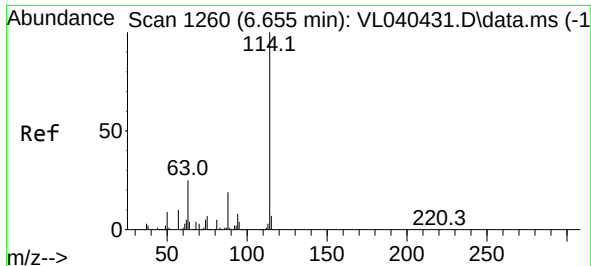
Tgt Ion:	57	Resp:	366890
Ion	Ratio	Lower	Upper
57	100		
41	94.0	75.1	112.7
43	70.7	194.4	291.6#
56	57.0	42.7	64.1



#32
1,1,1-Trichloroethane
Concen: 0.090 ppbv
RT: 6.021 min Scan# 1063
Delta R.T. 0.006 min
Lab File: VL040449.D
Acq: 16 May 2023 22:34

Tgt Ion:	97	Resp:	16890
Ion	Ratio	Lower	Upper
97	100		
99	127.6	52.2	78.2#
61	103.3	40.2	60.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 1266

Delta R.T. 0.003 min

Lab File: VL040449.D

Acq: 16 May 2023 22:34

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL

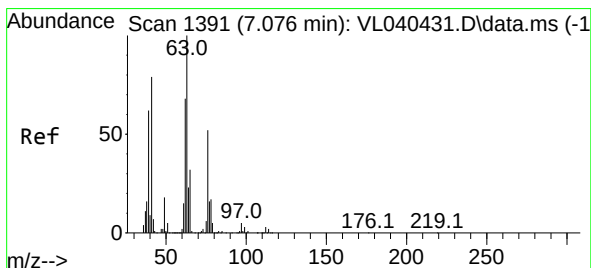
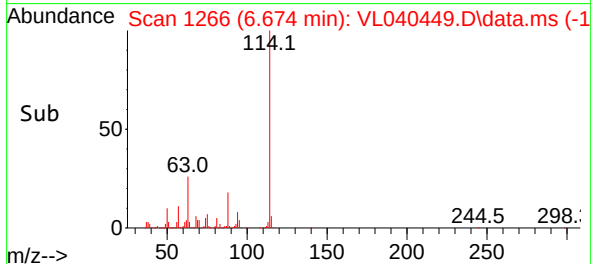
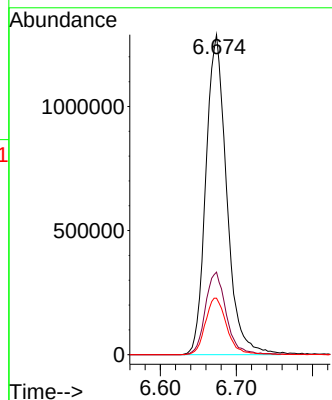
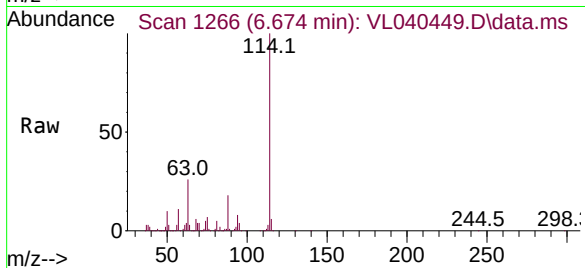
Tgt Ion:114 Resp: 2450929

Ion Ratio Lower Upper

114 100

63 26.1 21.0 31.6

88 18.3 14.6 22.0



#39

1,2-Dichloropropane

Concen: 8.053 ppbv

RT: 6.674 min Scan# 1266

Delta R.T. -0.415 min

Lab File: VL040449.D

Acq: 16 May 2023 22:34

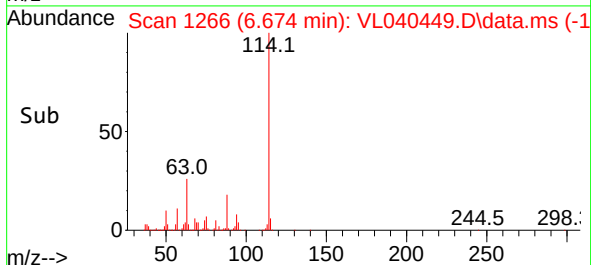
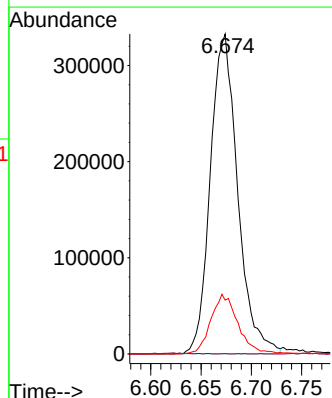
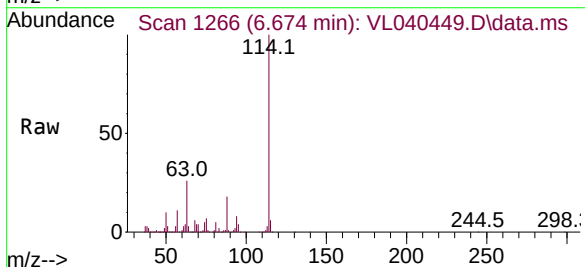
Tgt Ion: 63 Resp: 627975

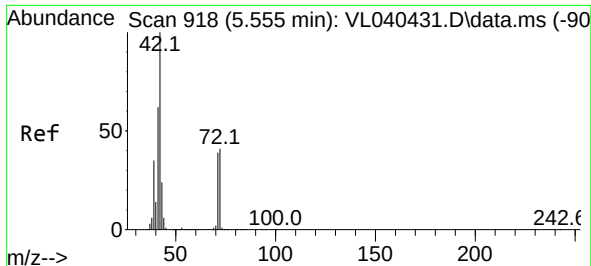
Ion Ratio Lower Upper

63 100

41 0.1 63.3 94.9#

62 16.8 54.2 81.4#





#41

Tetrahydrofuran

Concen: 1.974 ppbv

RT: 5.230 min Scan# 81

Delta R.T. -0.338 min

Lab File: VL040449.D

Acq: 16 May 2023 22:34

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL

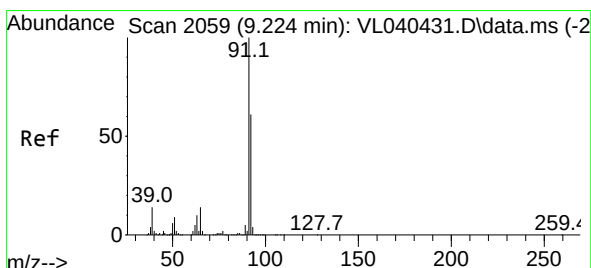
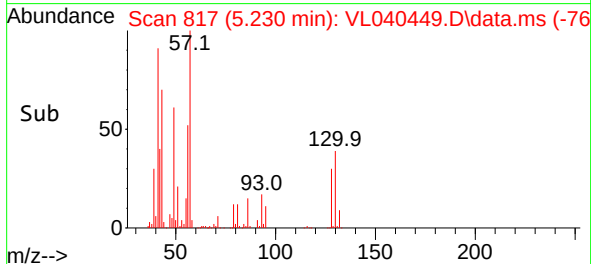
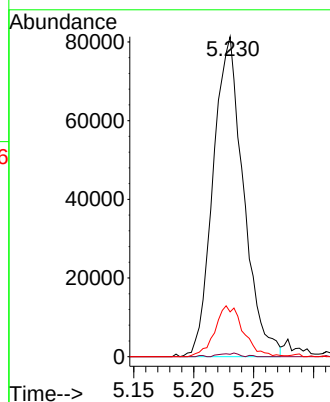
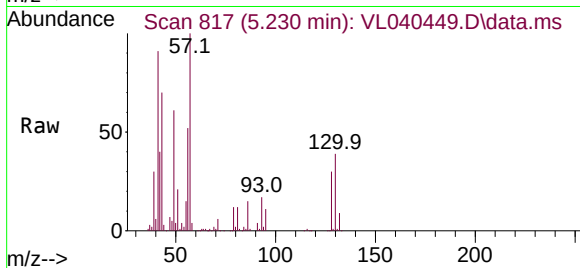
Tgt Ion: 42 Resp: 142920

Ion Ratio Lower Upper

42 100

72 0.8 33.0 49.4#

71 15.2 32.2 48.2#



#53

Toluene

Concen: 0.032 ppbv

RT: 9.249 min Scan# 2067

Delta R.T. 0.006 min

Lab File: VL040449.D

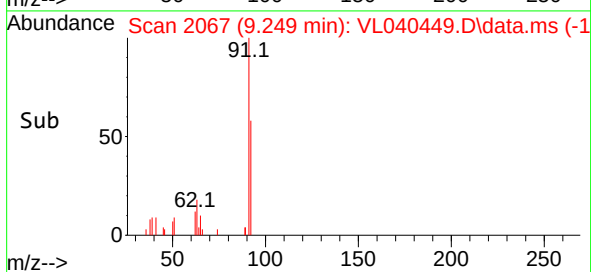
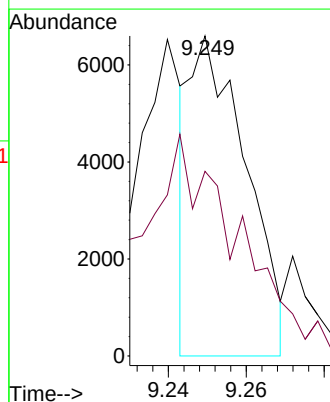
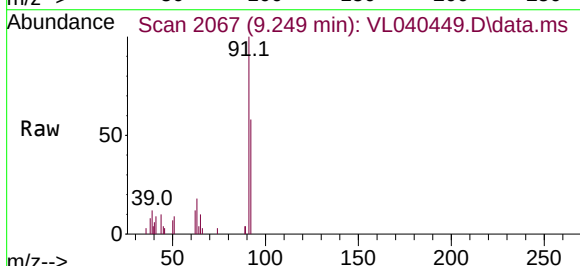
Acq: 16 May 2023 22:34

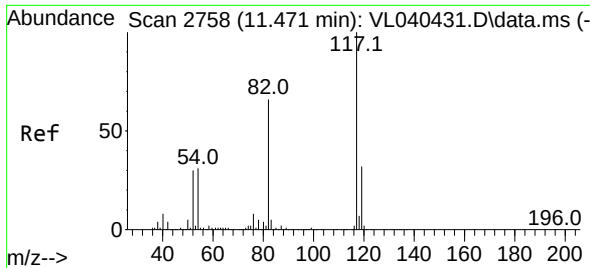
Tgt Ion: 91 Resp: 6631

Ion Ratio Lower Upper

91 100

92 0.0 49.1 73.7#

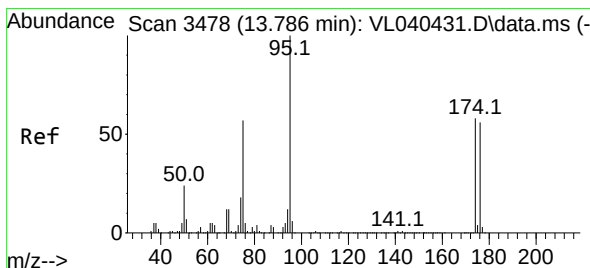
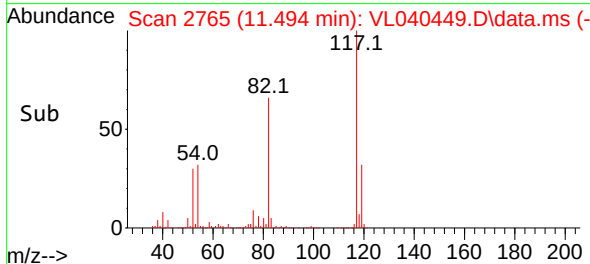
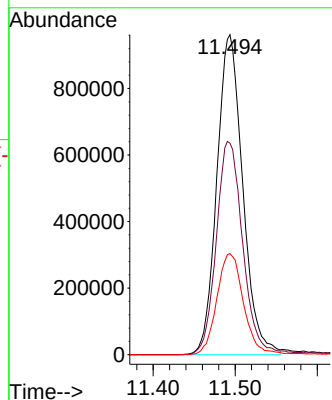
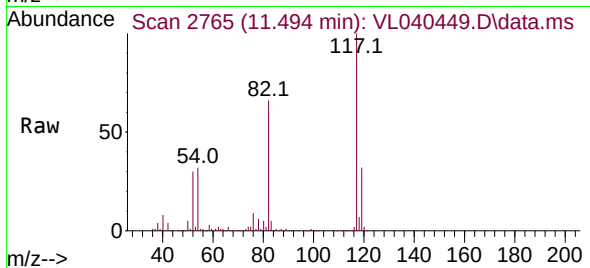




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040449.D
Acq: 16 May 2023 22:34

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tgt Ion:117 Resp: 2109352
Ion Ratio Lower Upper
117 100
82 69.5 52.5 78.7
119 33.1 24.0 36.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.672 ppbv
RT: 13.805 min Scan# 3484
Delta R.T. 0.006 min
Lab File: VL040449.D
Acq: 16 May 2023 22:34

Tgt Ion: 95 Resp: 1640440
Ion Ratio Lower Upper
95 100
174 61.6 47.0 70.6
175 4.4 3.4 5.0

