

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039946.D
 Acq On : 1 Dec 2022 17:42
 Operator : SY/MD
 Sample : N5825-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OTC-IADL

Quant Time: Dec 02 05:33:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 05:29:35 2022
 Response via : Initial Calibration

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

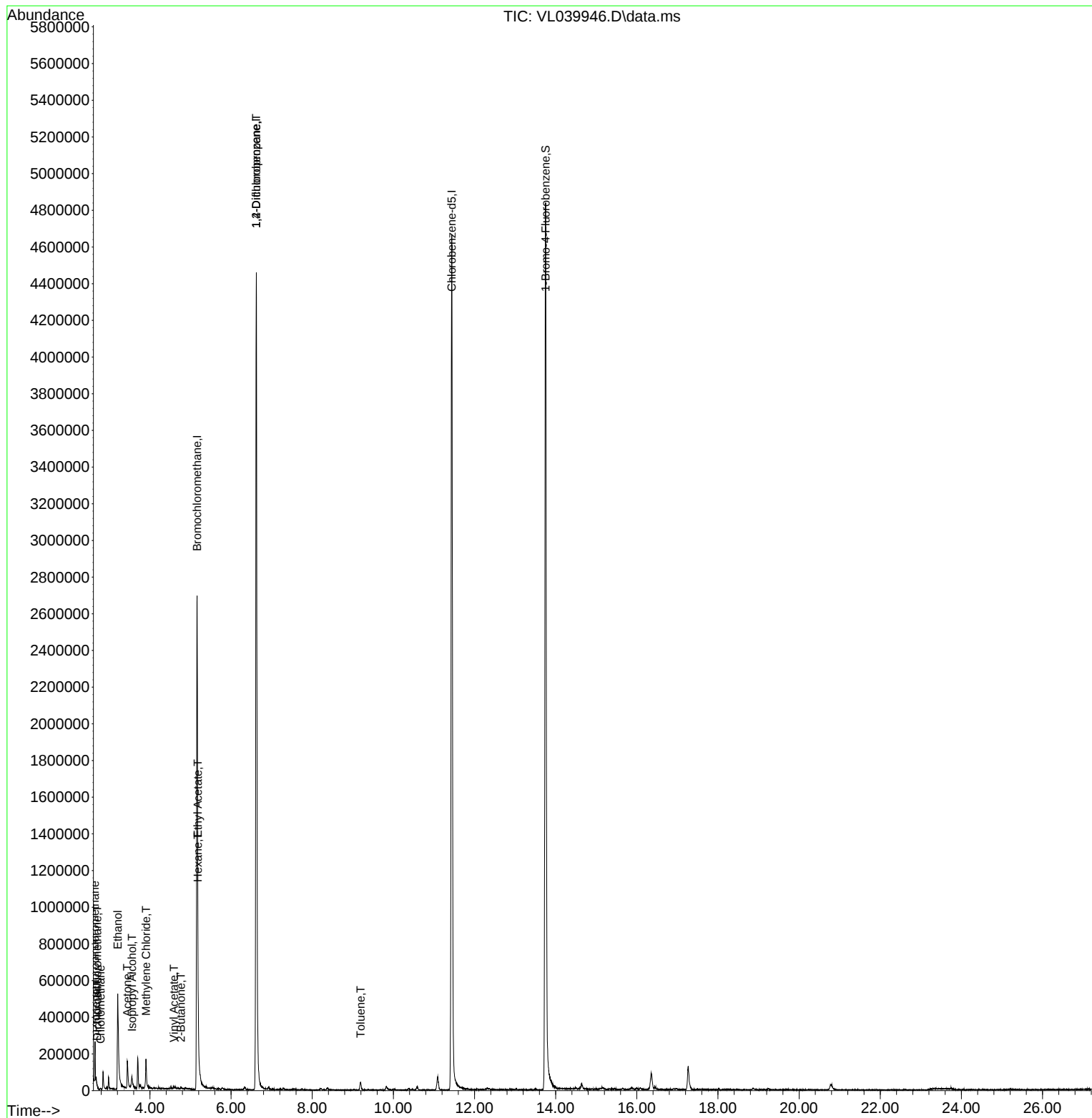
Internal Standards						
1) Bromochloromethane	5.163	49	1274322	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.623	114	3436666	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.436	117	3107868	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	2540672	10.703	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 107.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.700	85	10145	0.056	ppbv	92
3) Chlorodifluoromethane	2.645	51	203091	1.155	ppbv	98
4) Chloromethane	2.787	50	4709	0.042	ppbv #	59
9) Propene	2.671	41	5403	0.065	ppbv #	20
13) Ethanol	3.208	45	596540	94.329	ppbv	97
15) Acetone	3.443	43	137623	0.814	ppbv	96
19) Isopropyl Alcohol	3.555	45	59813	0.654	ppbv #	38
20) Methylene Chloride	3.906	84	48594	0.593	ppbv #	80
23) Vinyl Acetate	4.594	43	5521	0.080	ppbv #	44
25) Ethyl Acetate	5.179	43	88575	0.285	ppbv	98
26) Hexane	5.182	57	45860	0.338	ppbv	87
34) 2-Butanone	4.767	43	6033	0.037	ppbv #	33
39) 1,2-Dichloropropane	6.623	63	832884	7.318	ppbv #	28
53) Toluene	9.192	91	31083	0.093	ppbv	98

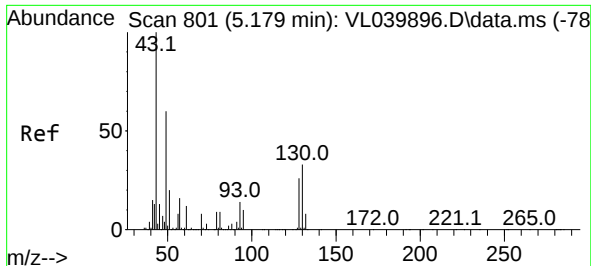
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OTC-IADL

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 05:29:35 2022
Response via : Initial Calibration

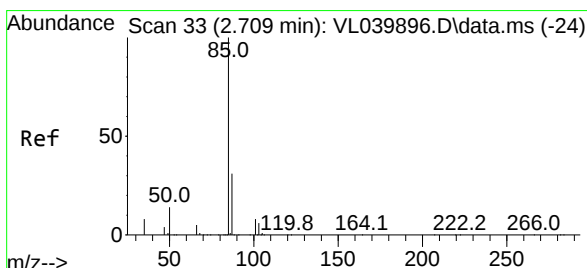
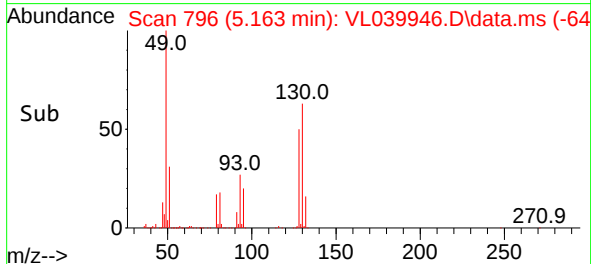
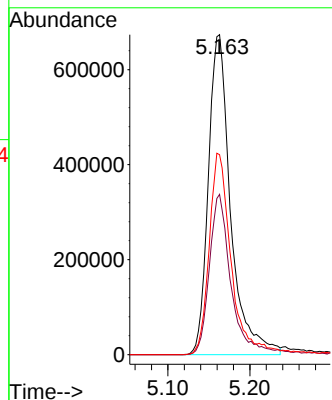
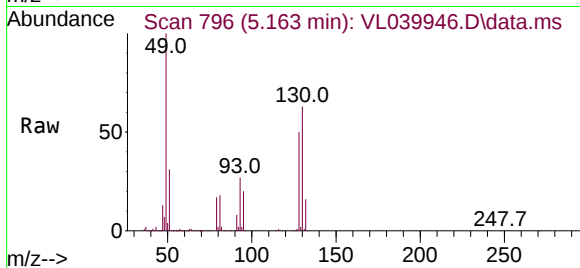




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.163 min Scan# 79
Delta R.T. -0.010 min
Lab File: VL039946.D
Acq: 1 Dec 2022 17:42

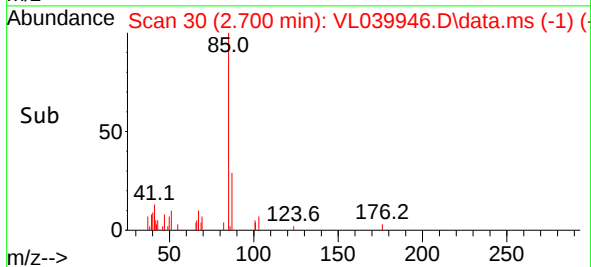
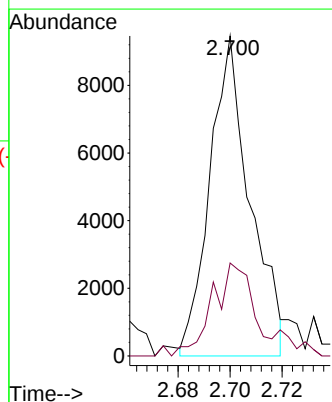
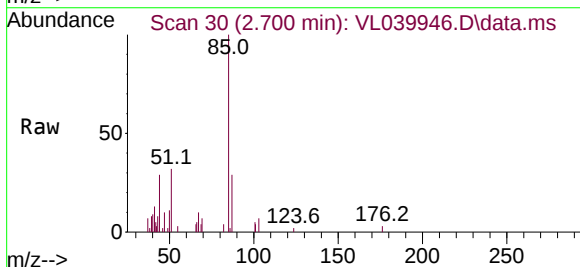
Instrument :
MSVOA_L
ClientSampleId :
OTC-IADL

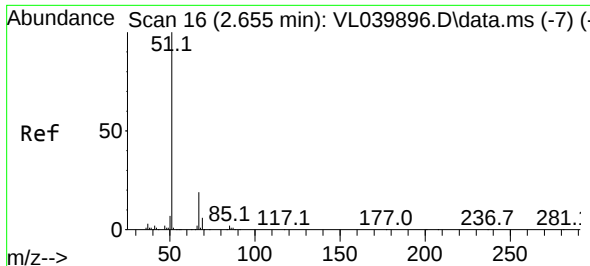
Tgt Ion: 49 Resp: 1274322
Ion Ratio Lower Upper
49 100
128 50.0 22.1 66.3
130 63.4 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.056 ppbv
RT: 2.700 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL039946.D
Acq: 1 Dec 2022 17:42

Tgt Ion: 85 Resp: 10145
Ion Ratio Lower Upper
85 100
87 26.8 25.0 37.4

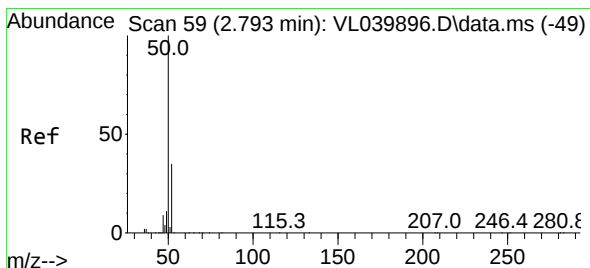
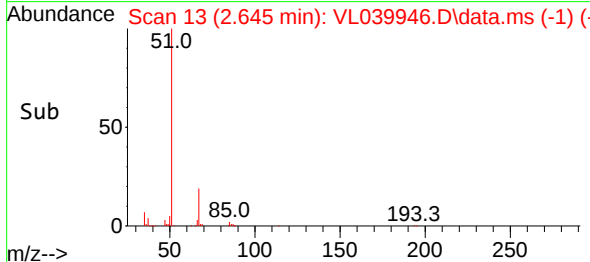
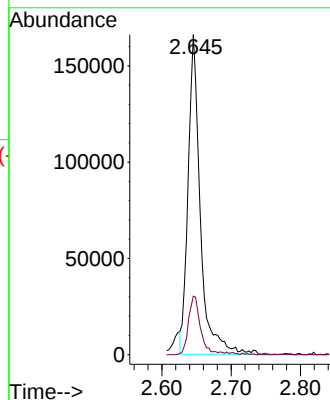
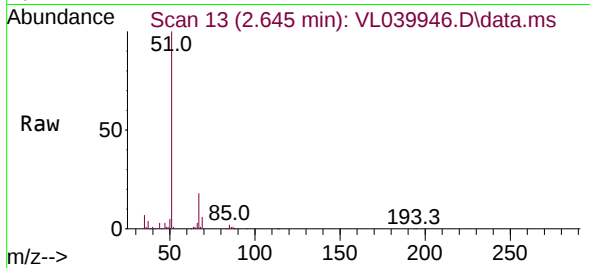




#3
Chlorodifluoromethane
Concen: 1.155 ppbv
RT: 2.645 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL039946.D
Acq: 1 Dec 2022 17:42

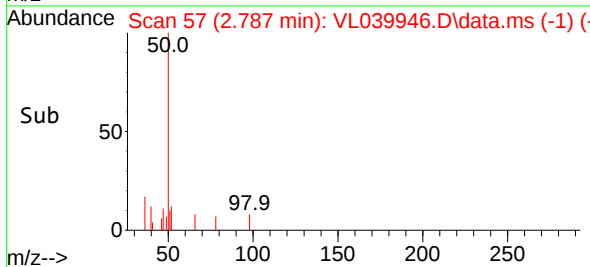
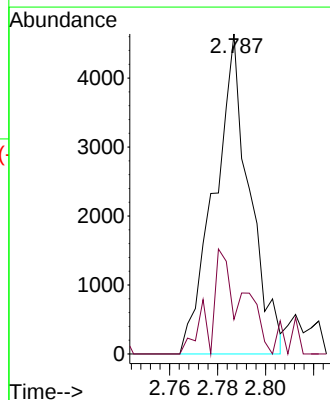
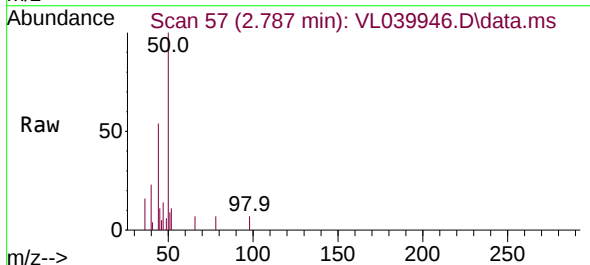
Instrument :
MSVOA_L
ClientSampleId :
OTC-IADL

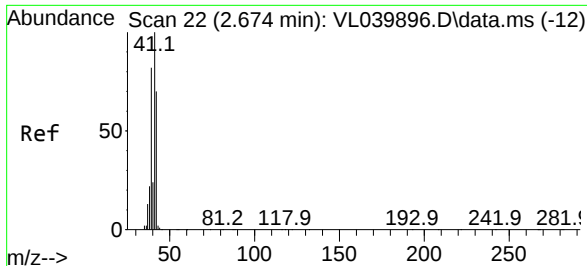
Tgt Ion: 51 Resp: 203091
Ion Ratio Lower Upper
51 100
67 18.7 14.2 21.4



#4
Chloromethane
Concen: 0.042 ppbv
RT: 2.787 min Scan# 57
Delta R.T. -0.003 min
Lab File: VL039946.D
Acq: 1 Dec 2022 17:42

Tgt Ion: 50 Resp: 4709
Ion Ratio Lower Upper
50 100
52 10.8 27.8 41.8#

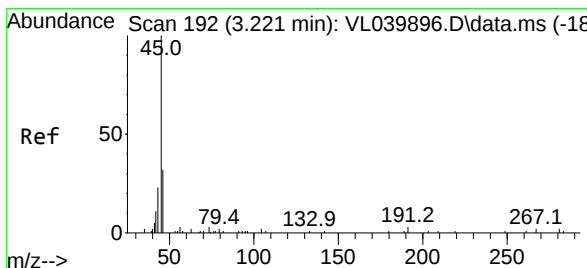
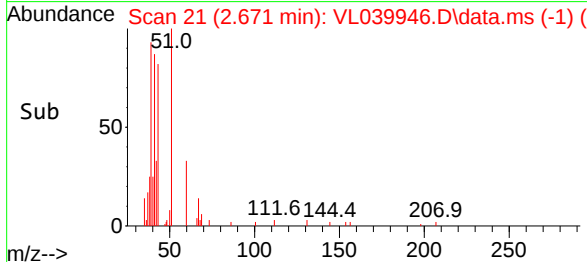
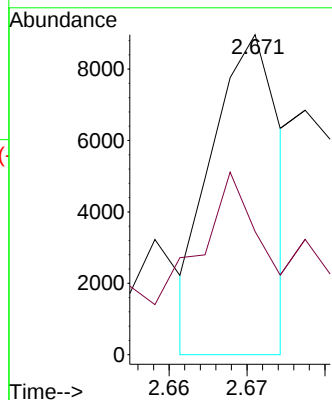
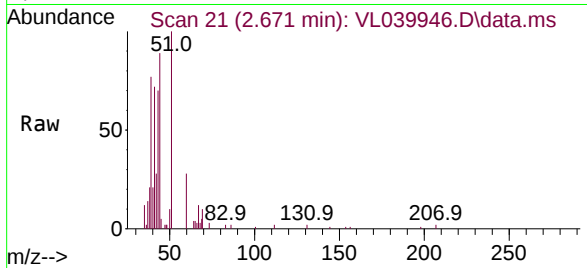




#9
 Propene
 Concen: 0.065 ppbv
 RT: 2.671 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL039946.D
 Acq: 1 Dec 2022 17:42

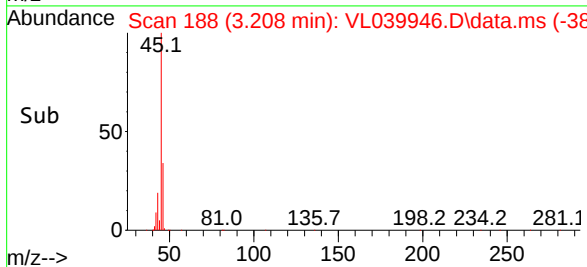
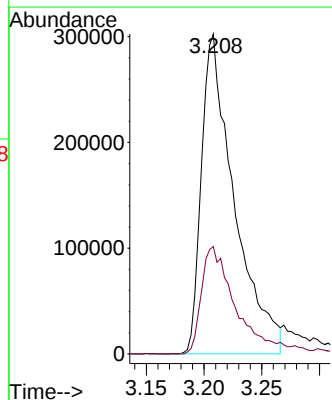
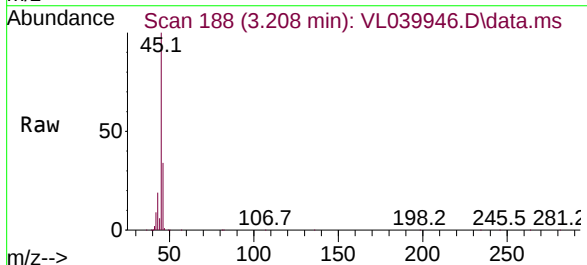
Instrument :
 MSVOA_L
 ClientSampleId :
 OTC-IADL

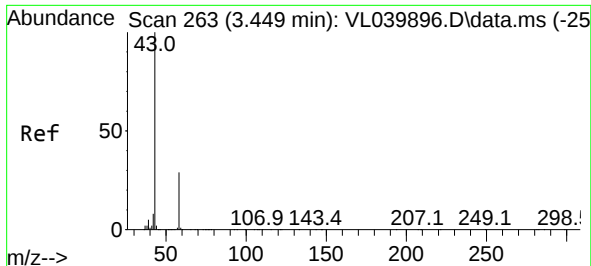
Tgt Ion: 41 Resp: 5403
 Ion Ratio Lower Upper
 41 100
 42 135.0 55.8 83.6#



#13
 Ethanol
 Concen: 94.329 ppbv
 RT: 3.208 min Scan# 188
 Delta R.T. -0.019 min
 Lab File: VL039946.D
 Acq: 1 Dec 2022 17:42

Tgt Ion: 45 Resp: 596540
 Ion Ratio Lower Upper
 45 100
 46 38.1 14.6 58.2

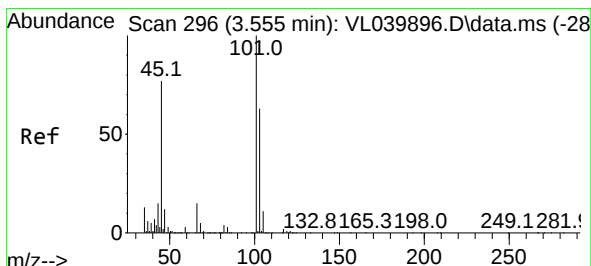
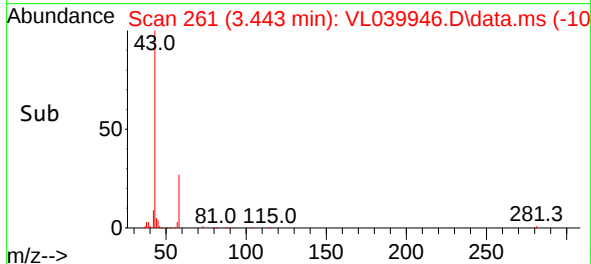
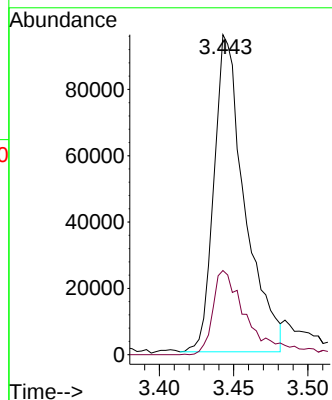
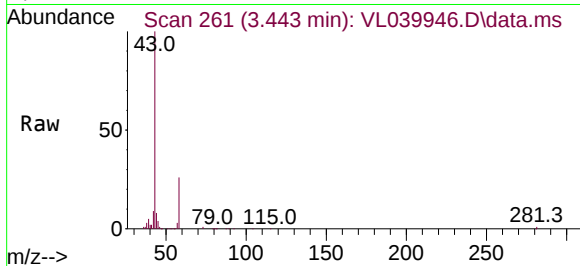




#15
Acetone
Concen: 0.814 ppbv
RT: 3.443 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL039946.D
Acq: 1 Dec 2022 17:42

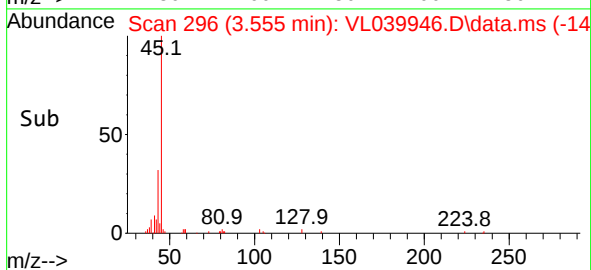
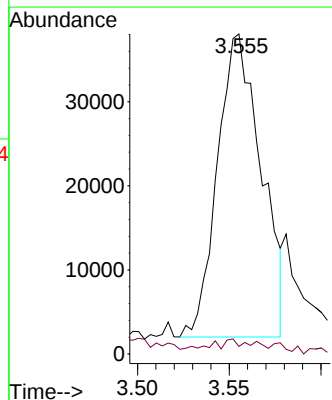
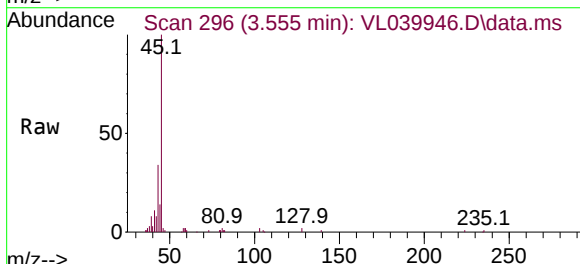
Instrument :
MSVOA_L
ClientSampleId :
OTC-IADL

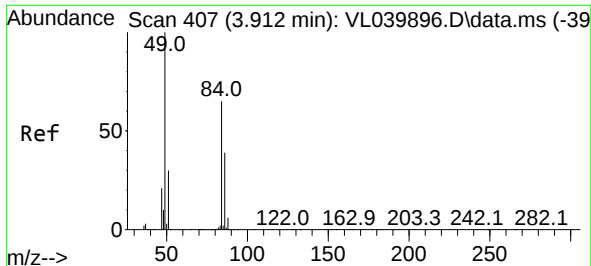
Tgt Ion: 43 Resp: 137623
Ion Ratio Lower Upper
43 100
58 30.9 22.9 34.3



#19
Isopropyl Alcohol
Concen: 0.654 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.000 min
Lab File: VL039946.D
Acq: 1 Dec 2022 17:42

Tgt Ion: 45 Resp: 59813
Ion Ratio Lower Upper
45 100
58 6.6 38.7 58.1#





#20

Methylene Chloride

Concen: 0.593 ppbv

RT: 3.906 min Scan# 407

Delta R.T. -0.006 min

Lab File: VL039946.D

Acq: 1 Dec 2022 17:42

Instrument :

MSVOA_L

ClientSampleId :

OTC-IADL

Tgt Ion: 84 Resp: 48594

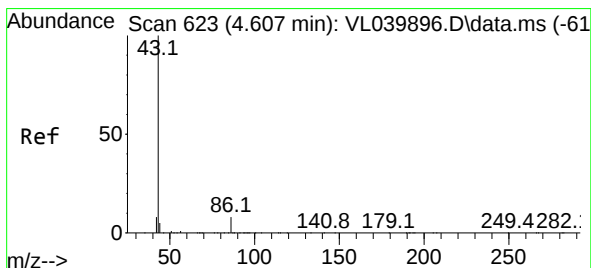
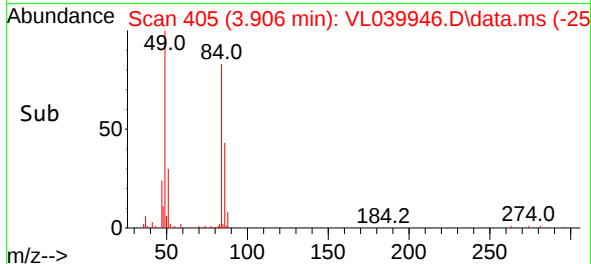
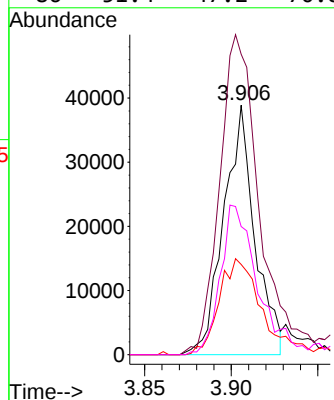
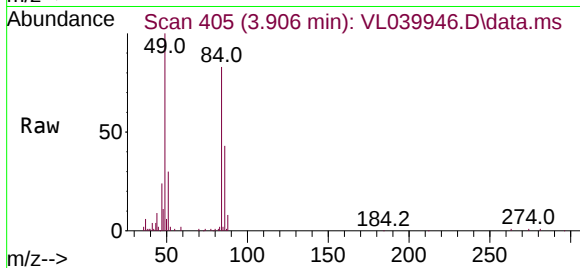
Ion Ratio Lower Upper

84 100

49 120.4 122.2 183.4#

51 36.2 36.3 54.5#

86 51.4 47.2 70.8



#23

Vinyl Acetate

Concen: 0.080 ppbv

RT: 4.594 min Scan# 619

Delta R.T. -0.013 min

Lab File: VL039946.D

Acq: 1 Dec 2022 17:42

Tgt Ion: 43 Resp: 5521

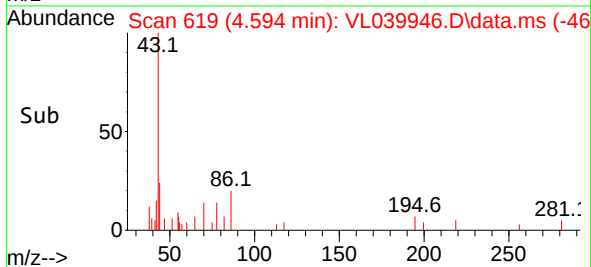
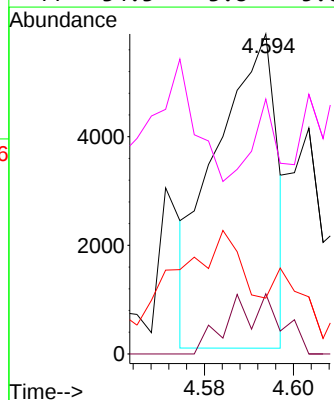
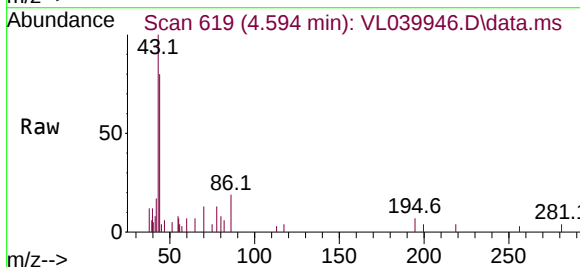
Ion Ratio Lower Upper

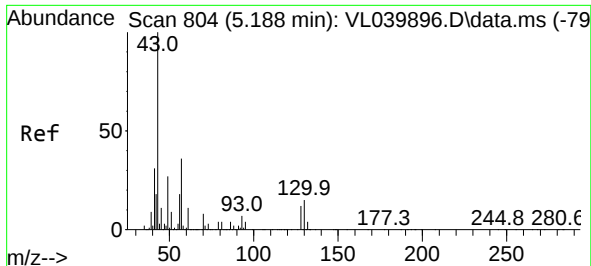
43 100

86 32.2 5.0 7.4#

42 0.0 7.6 11.4#

44 34.3 3.8 5.6#



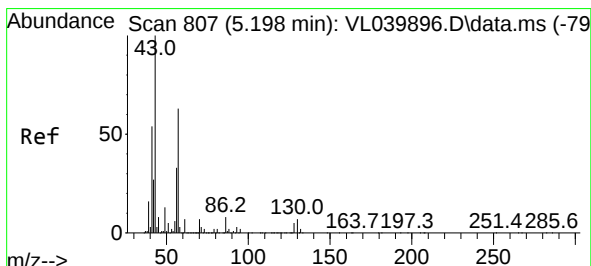
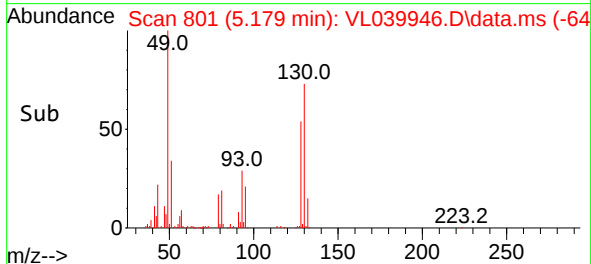
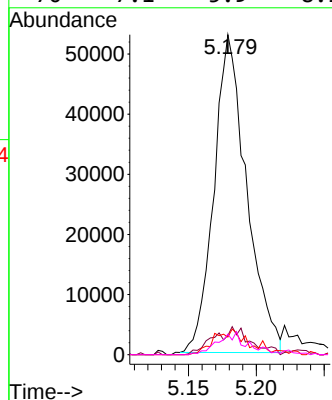
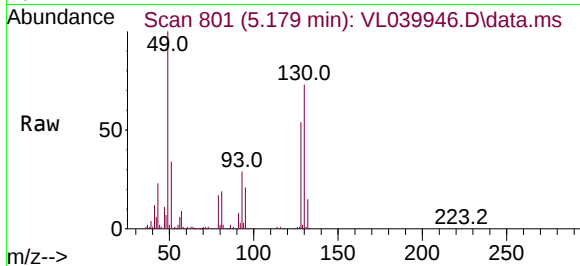


#25
Ethyl Acetate
Concen: 0.285 ppbv
RT: 5.179 min Scan# 801
Delta R.T. -0.006 min
Lab File: VL039946.D
Acq: 1 Dec 2022 17:42

Instrument :
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ClientSampleId :
OTC-IADL

Tgt Ion: 43 Resp: 88575

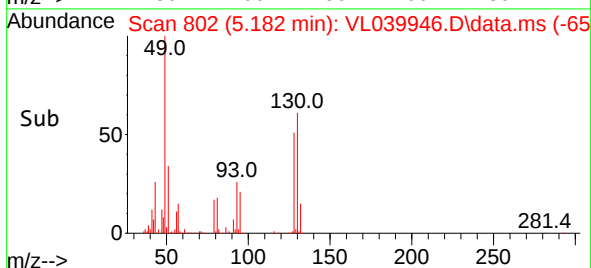
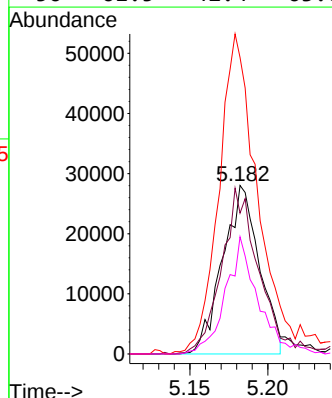
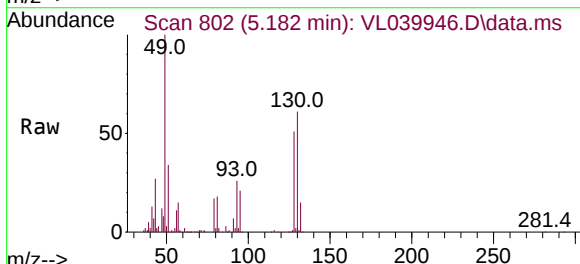
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.4	12.6
61	9.2	8.5	12.7
70	7.1	5.9	8.9

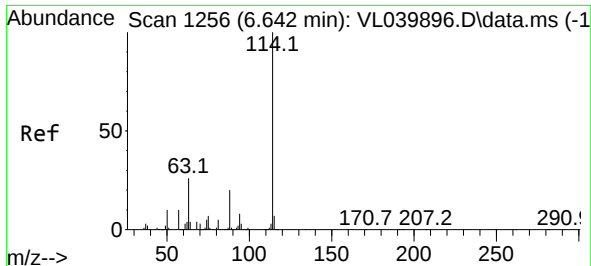


#26
Hexane
Concen: 0.338 ppbv
RT: 5.182 min Scan# 802
Delta R.T. -0.013 min
Lab File: VL039946.D
Acq: 1 Dec 2022 17:42

Tgt Ion: 57 Resp: 45860

Ion	Ratio	Lower	Upper
57	100		
41	101.0	72.3	108.5
43	213.7	188.7	283.1
56	61.5	42.4	63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.623 min Scan# 114

Delta R.T. -0.013 min

Lab File: VL039946.D

Acq: 1 Dec 2022 17:42

Instrument :

MSVOA_L

ClientSampleId :

OTC-IADL

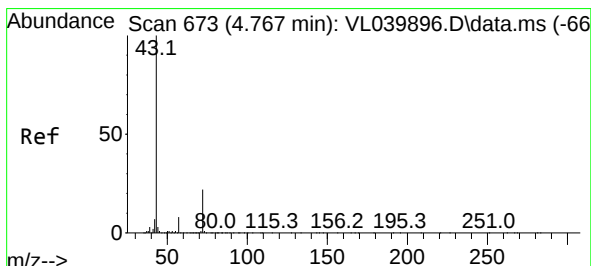
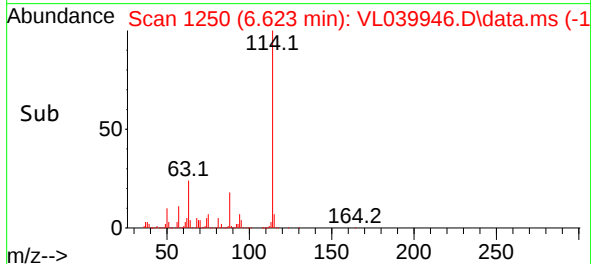
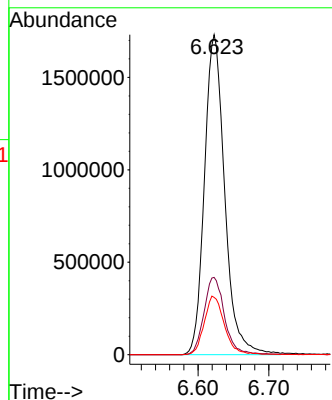
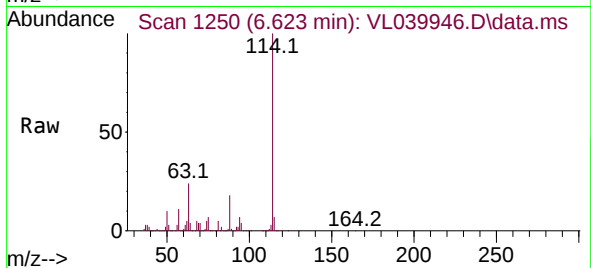
Tgt Ion:114 Resp: 3436666

Ion Ratio Lower Upper

114 100

63 24.6 21.4 32.0

88 18.3 15.3 22.9



#34

2-Butanone

Concen: 0.037 ppbv

RT: 4.767 min Scan# 673

Delta R.T. 0.000 min

Lab File: VL039946.D

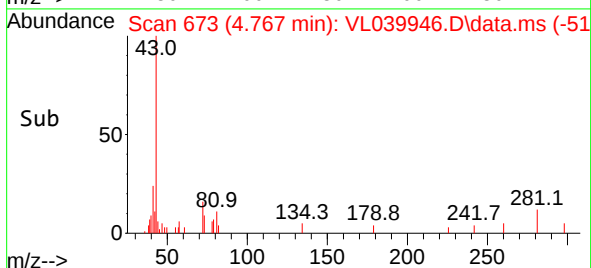
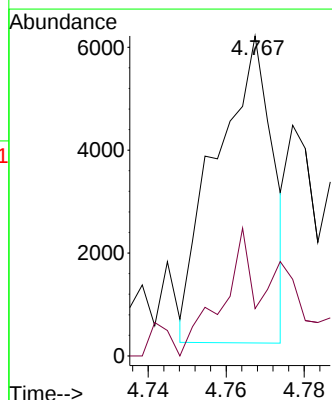
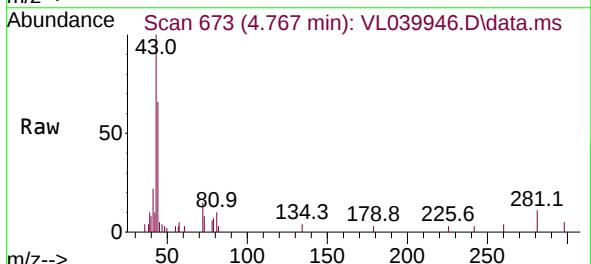
Acq: 1 Dec 2022 17:42

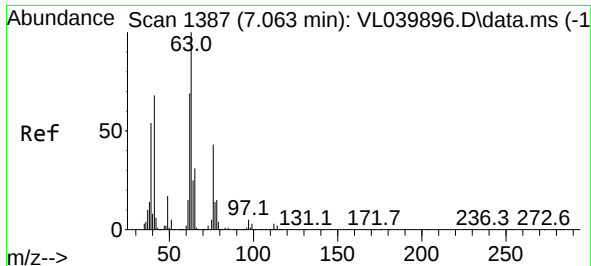
Tgt Ion: 43 Resp: 6033

Ion Ratio Lower Upper

43 100

72 53.7 17.4 26.2#





#39

1,2-Dichloropropane

Concen: 7.318 ppbv

RT: 6.623 min Scan# 11

Delta R.T. -0.434 min

Lab File: VL039946.D

Acq: 1 Dec 2022 17:42

Instrument :

MSVOA_L

ClientSampleId :

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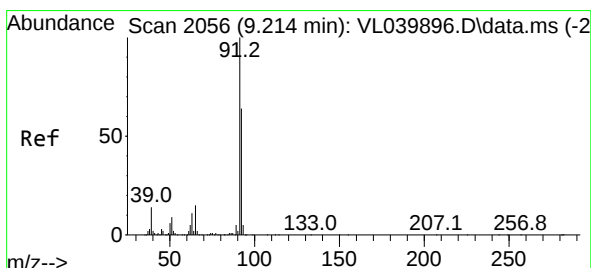
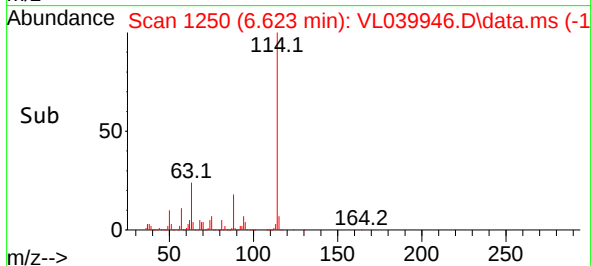
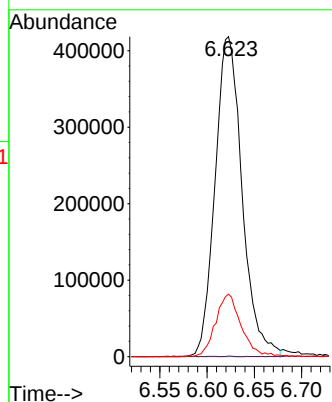
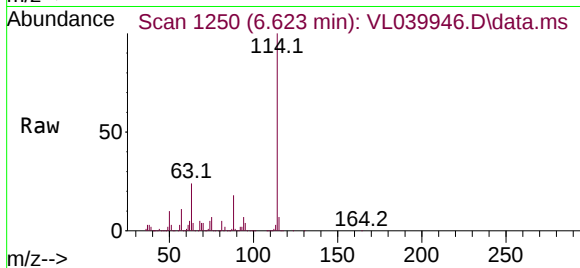
Tgt Ion: 63 Resp: 832884

Ion Ratio Lower Upper

63 100

41 0.2 54.7 82.1#

62 19.6 55.0 82.6#



#53

Toluene

Concen: 0.093 ppbv

RT: 9.192 min Scan# 2049

Delta R.T. -0.013 min

Lab File: VL039946.D

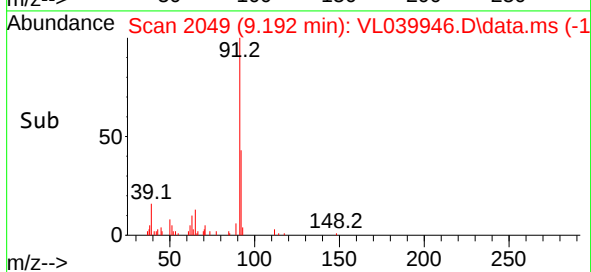
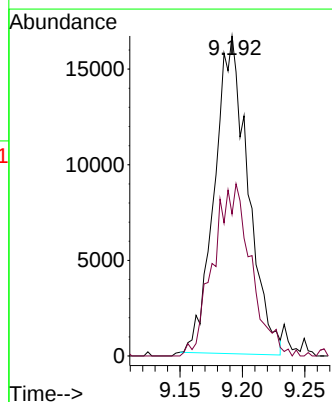
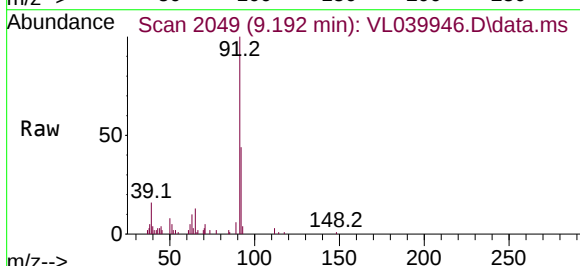
Acq: 1 Dec 2022 17:42

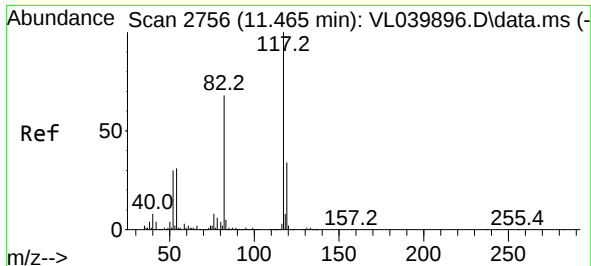
Tgt Ion: 91 Resp: 31083

Ion Ratio Lower Upper

91 100

92 61.0 49.8 74.6

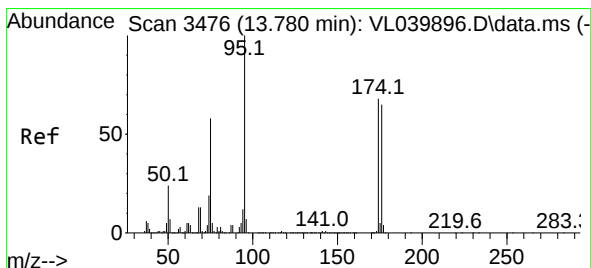
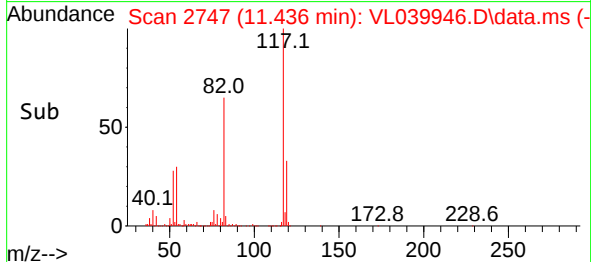
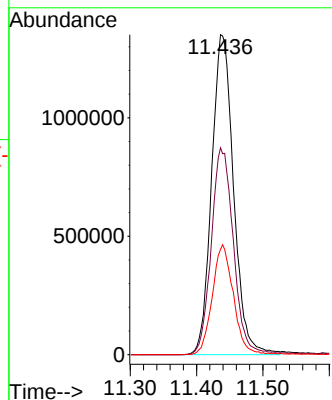
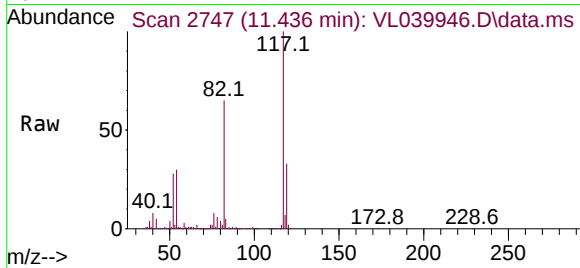




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL039946.D
Acq: 1 Dec 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
OTC-IADL

Tgt Ion:117 Resp: 3107868
Ion Ratio Lower Upper
117 100
82 65.5 52.3 78.5
119 33.3 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.703 ppbv
RT: 13.751 min Scan# 3467
Delta R.T. -0.013 min
Lab File: VL039946.D
Acq: 1 Dec 2022 17:42

Tgt Ion: 95 Resp: 2540672
Ion Ratio Lower Upper
95 100
174 61.1 53.7 80.5
175 4.4 4.0 6.0

