

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120222\
 Data File : VL039967.D
 Acq On : 2 Dec 2022 12:27
 Operator : SY/MD
 Sample : N5825-02DL2 80X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OTC-SSDL2

Quant Time: Dec 02 23:22:47 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 23:21:36 2022
 Response via : Initial Calibration

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

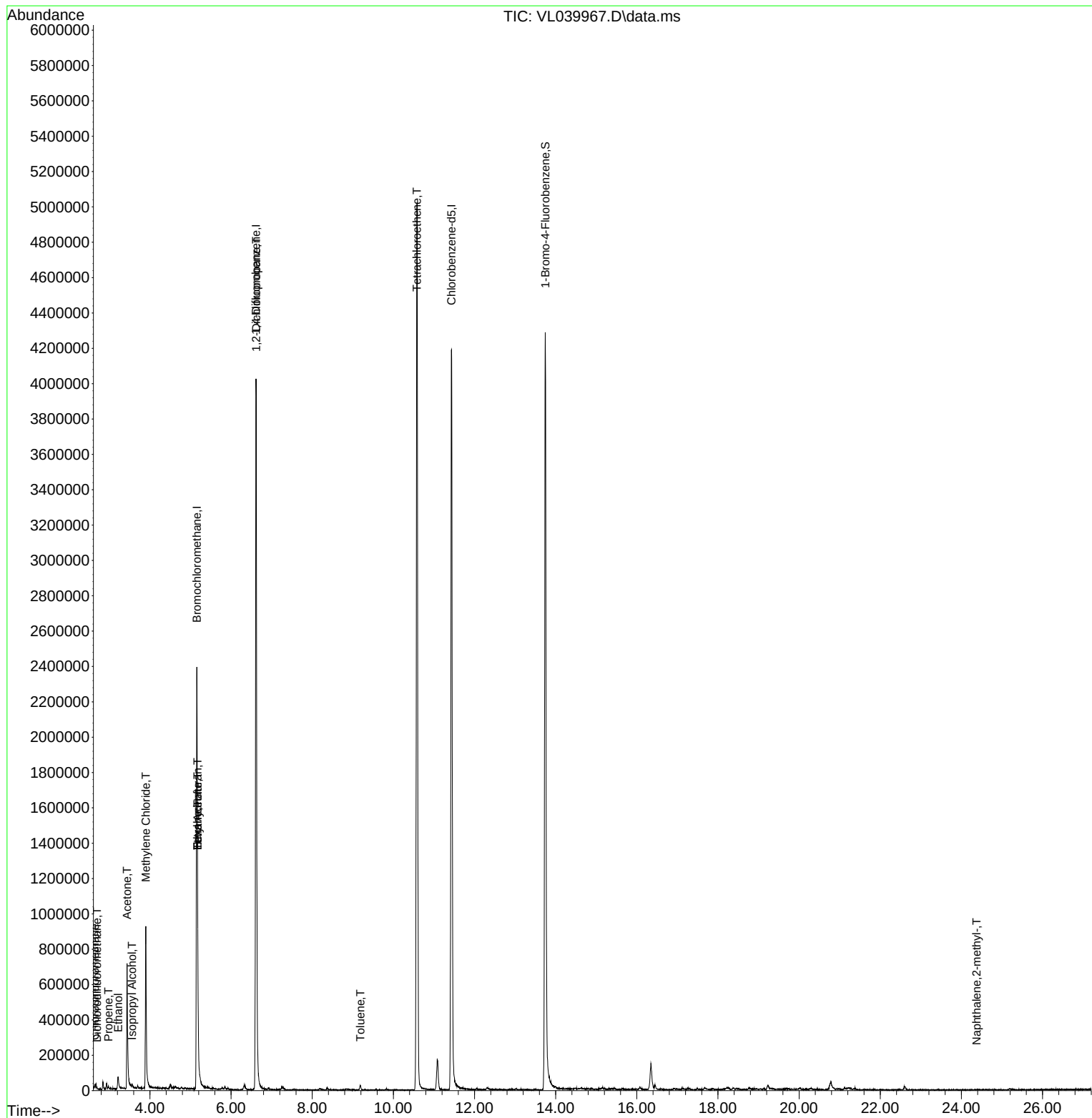
Internal Standards						
1) Bromochloromethane	5.156	49	1092665	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	3157064	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.433	117	2850808	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.744	95	2271838	10.433	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.693	85	6440	0.041	ppbv #	84
3) Chlorodifluoromethane	2.645	51	24450	0.162	ppbv	97
9) Propene	2.976	41	4184	0.059	ppbv	87
13) Ethanol	3.217	45	80170	14.785	ppbv	95
15) Acetone	3.436	43	713976	4.926	ppbv	98
19) Isopropyl Alcohol	3.562	45	16095	0.205	ppbv #	29
20) Methylene Chloride	3.899	84	313282	4.462	ppbv	98
25) Ethyl Acetate	5.176	43	119384	0.449	ppbv #	75
26) Hexane	5.176	57	176059	1.515	ppbv #	38
39) 1,2-Dichloropropane	6.619	63	756620	7.237	ppbv #	25
41) Tetrahydrofuran	5.176	42	62990	0.604	ppbv #	50
52) Tetrachloroethene	10.581	164	1254903	12.501	ppbv	95
53) Toluene	9.185	91	17234	0.056	ppbv	96
80) Naphthalene,2-methyl-	24.374	142	1724	0.030	ppbv #	73

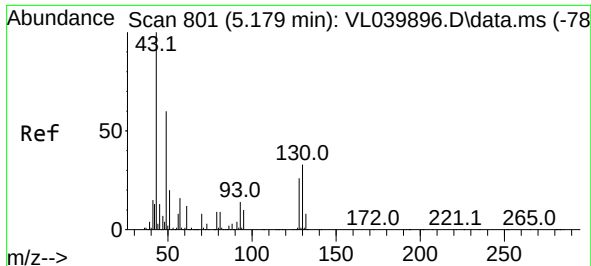
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120222\
Data File : VL039967.D
Acq On : 2 Dec 2022 12:27
Operator : SY/MD
Sample : N5825-02DL2 80X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OTC-SSDL2

Quant Time: Dec 02 23:22:47 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 23:21:36 2022
Response via : Initial Calibration

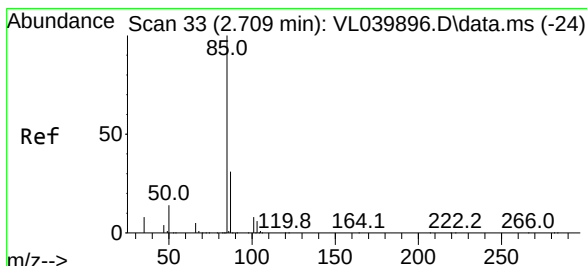
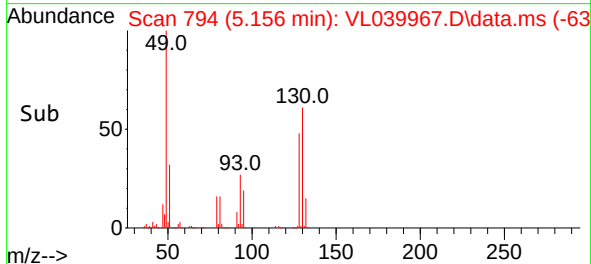
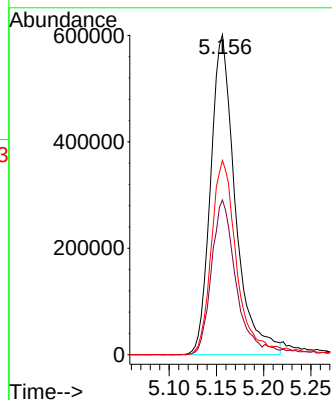
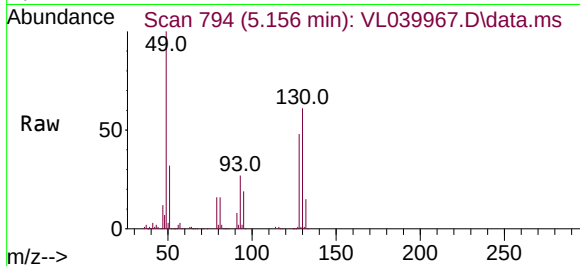




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.156 min Scan# 79
Delta R.T. 0.000 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

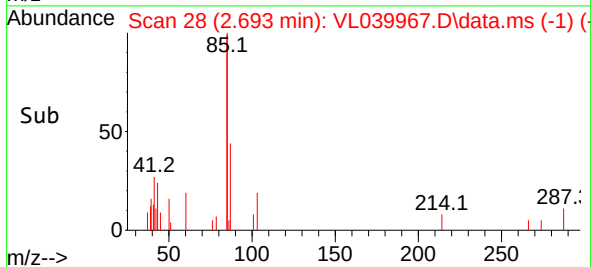
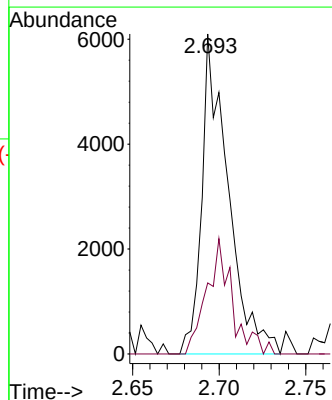
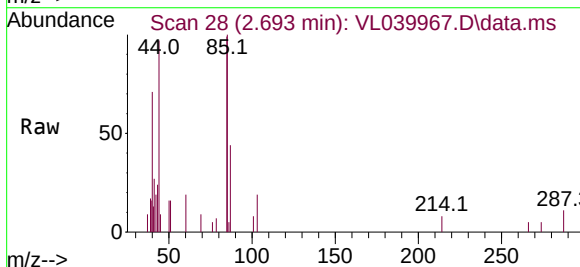
Instrument :
MSVOA_1
ClientSampleId :
OTC-SSDL2

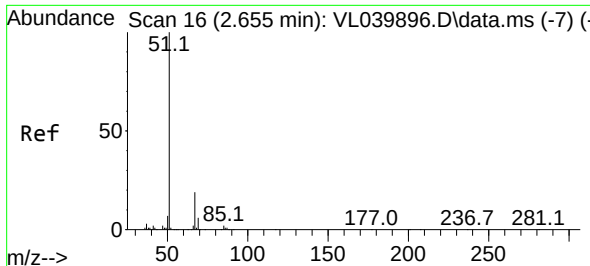
Tgt Ion: 49 Resp: 1092665
Ion Ratio Lower Upper
49 100
128 51.1 22.1 66.3
130 64.6 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.041 ppbv
RT: 2.693 min Scan# 28
Delta R.T. -0.003 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

Tgt Ion: 85 Resp: 6440
Ion Ratio Lower Upper
85 100
87 22.2 25.0 37.4#

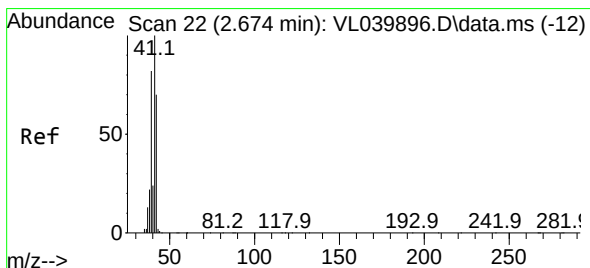
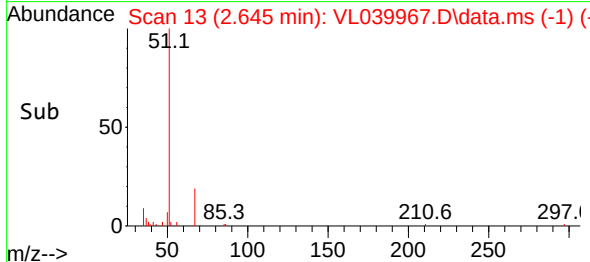
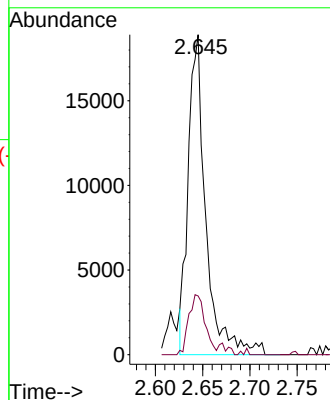
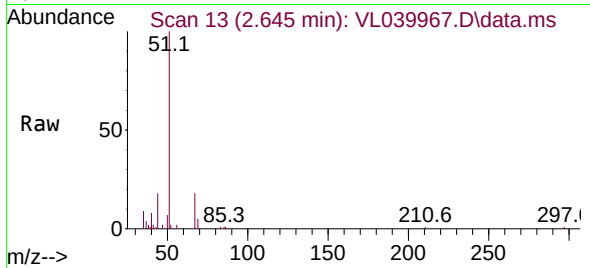




#3
Chlorodifluoromethane
Concen: 0.162 ppbv
RT: 2.645 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

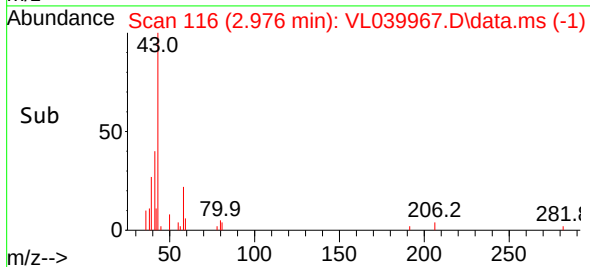
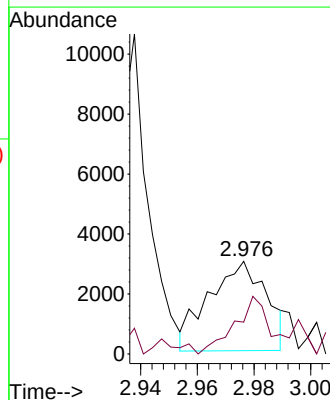
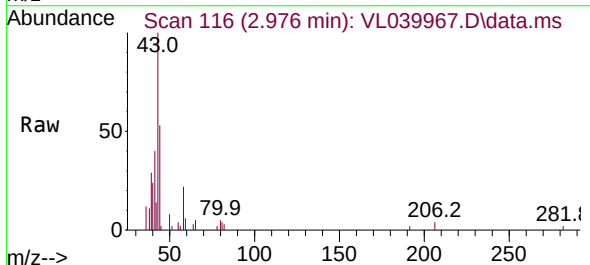
Instrument :
MSVOA_1
ClientSampleId :
OTC-SSDL2

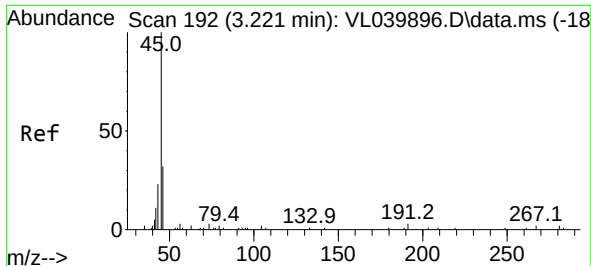
Tgt Ion: 51 Resp: 24450
Ion Ratio Lower Upper
51 100
67 19.2 14.2 21.4



#9
Propene
Concen: 0.059 ppbv
RT: 2.976 min Scan# 116
Delta R.T. 0.315 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

Tgt Ion: 41 Resp: 4184
Ion Ratio Lower Upper
41 100
42 58.8 55.8 83.6

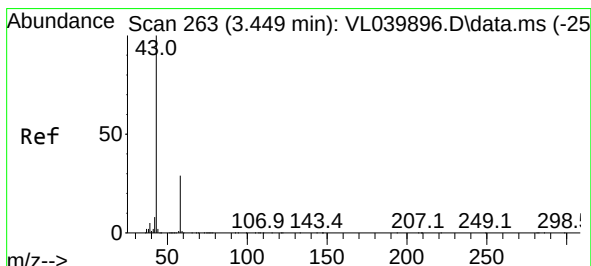
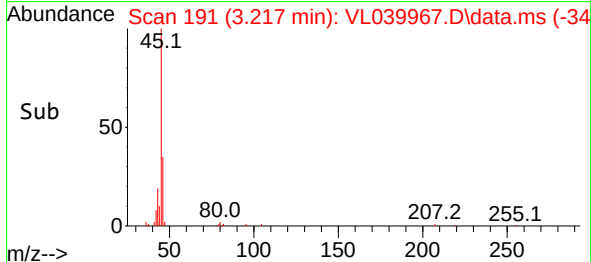
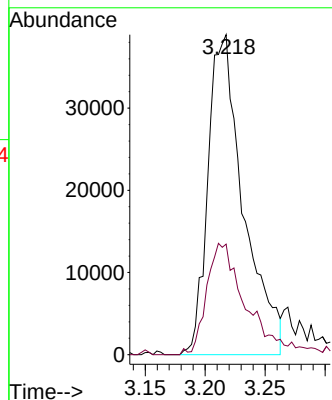
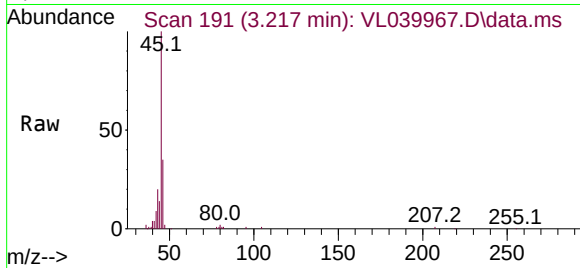




#13
Ethanol
Concen: 14.785 ppbv
RT: 3.217 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

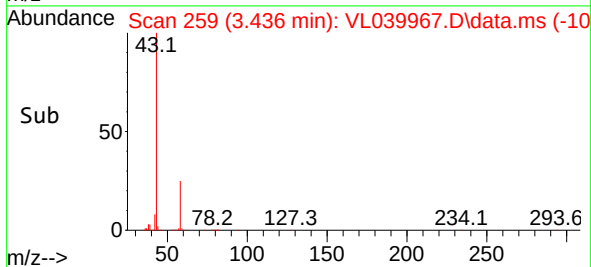
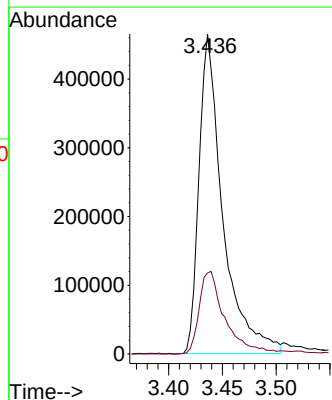
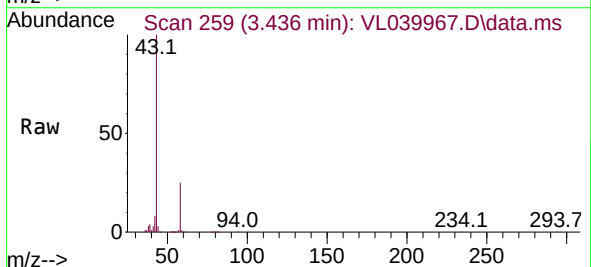
Instrument :
MSVOA_1
ClientSampleId :
OTC-SSDL2

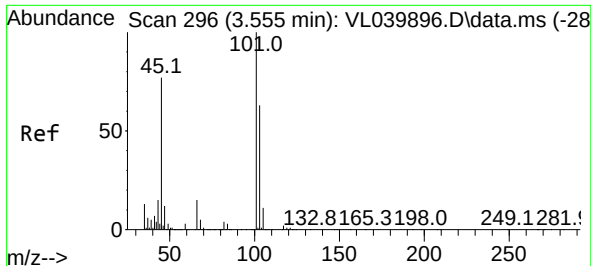
Tgt Ion: 45 Resp: 80170
Ion Ratio Lower Upper
45 100
46 39.5 14.6 58.2



#15
Acetone
Concen: 4.926 ppbv
RT: 3.436 min Scan# 259
Delta R.T. 0.003 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

Tgt Ion: 43 Resp: 713976
Ion Ratio Lower Upper
43 100
58 29.7 22.9 34.3





#19

Isopropyl Alcohol

Concen: 0.205 ppbv

RT: 3.562 min Scan# 296

Delta R.T. 0.019 min

Lab File: VL039967.D

Acq: 2 Dec 2022 12:27

Instrument :

MSVOA_L

ClientSampleId :

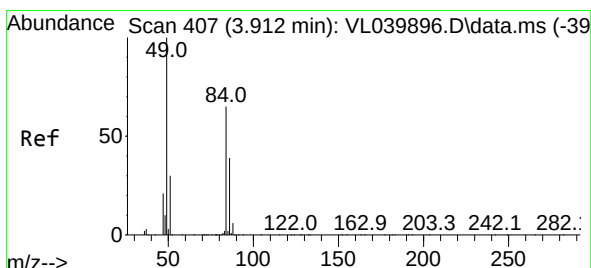
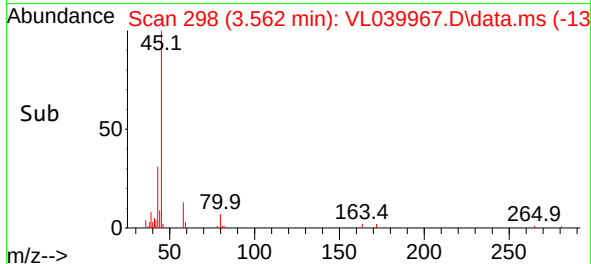
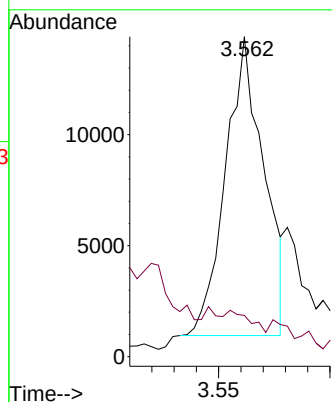
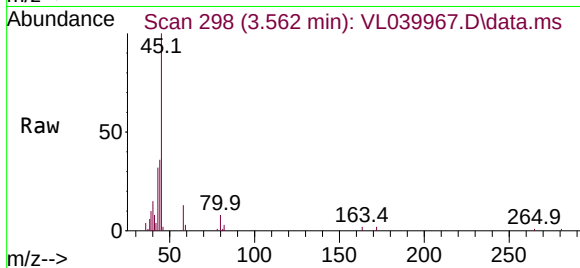
OTC-SSDL2

Tgt Ion: 45 Resp: 16095

Ion Ratio Lower Upper

45 100

58 0.0 38.7 58.1#



#20

Methylene Chloride

Concen: 4.462 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.003 min

Lab File: VL039967.D

Acq: 2 Dec 2022 12:27

Tgt Ion: 84 Resp: 313282

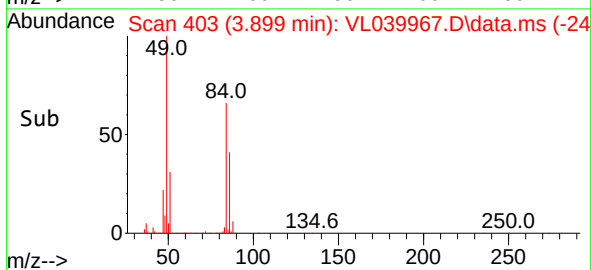
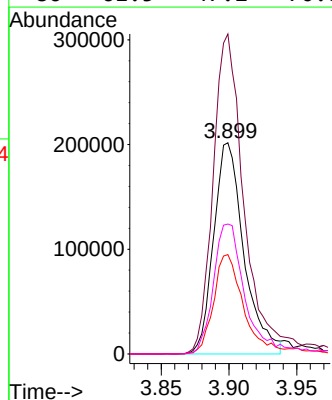
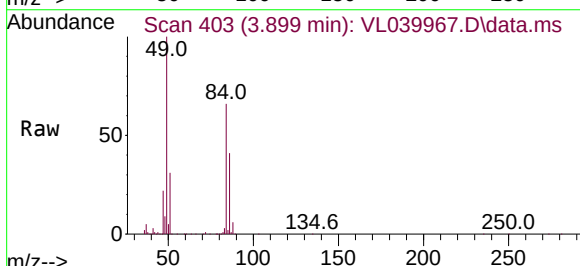
Ion Ratio Lower Upper

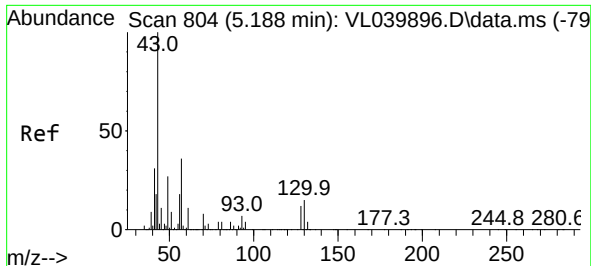
84 100

49 151.5 122.2 183.4

51 46.9 36.3 54.5

86 61.5 47.2 70.8

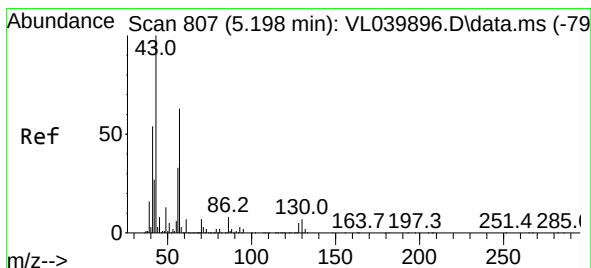
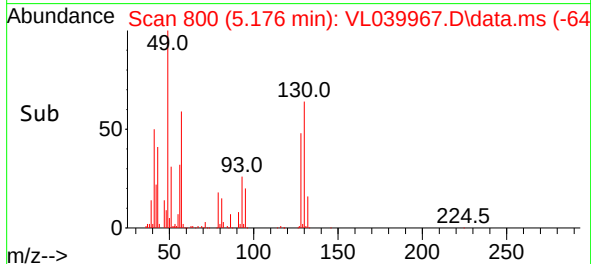
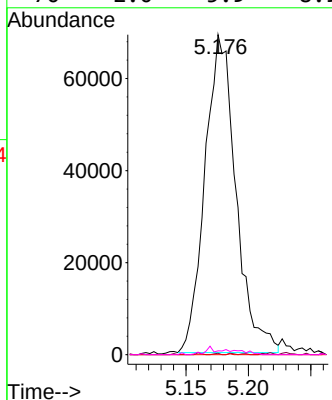
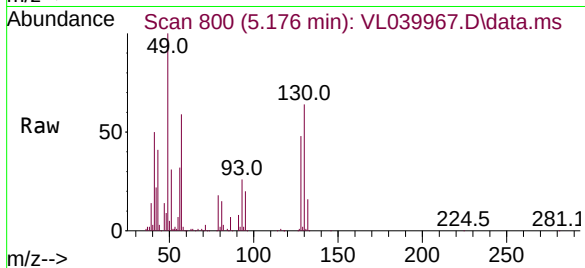




#25
Ethyl Acetate
Concen: 0.449 ppbv
RT: 5.176 min Scan# 800
Delta R.T. 0.007 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

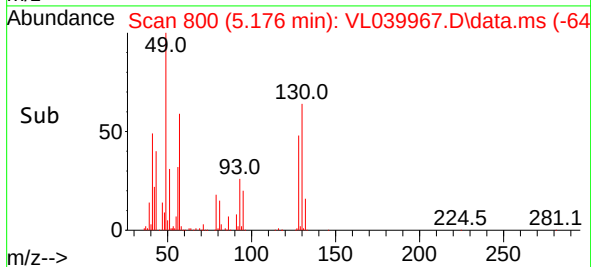
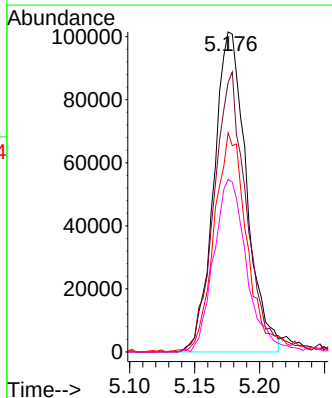
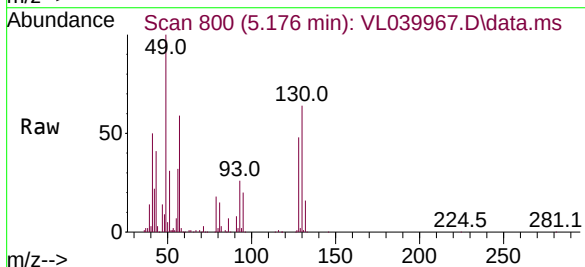
Instrument :
MSVOA_1
ClientSampleId :
OTC-SSDL2

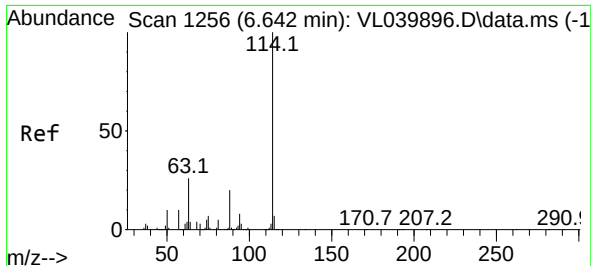
Tgt Ion: 43	Resp: 119384
Ion Ratio	Lower Upper
43 100	
45 0.3	8.4 12.6#
61 0.0	8.5 12.7#
70 2.0	5.9 8.9#



#26
Hexane
Concen: 1.515 ppbv
RT: 5.176 min Scan# 800
Delta R.T. 0.000 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

Tgt Ion: 57	Resp: 176059
Ion Ratio	Lower Upper
57 100	
41 89.9	72.3 108.5
43 69.9	188.7 283.1#
56 55.9	42.4 63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. -0.003 min

Lab File: VL039967.D

Acq: 2 Dec 2022 12:27

Instrument :

MSVOA_1

ClientSampleId :

OTC-SSDL2

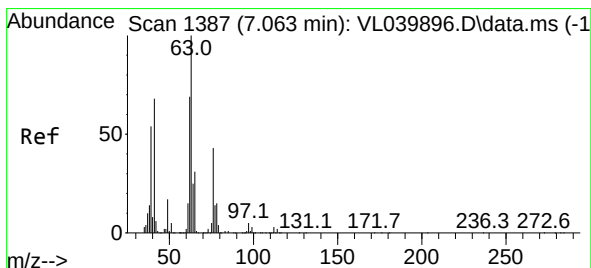
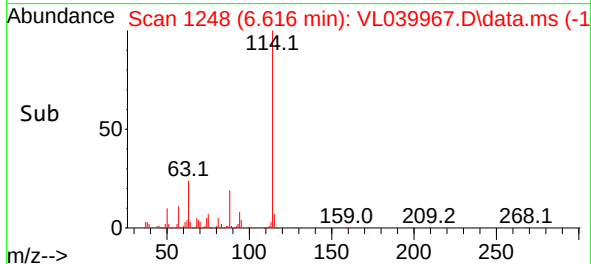
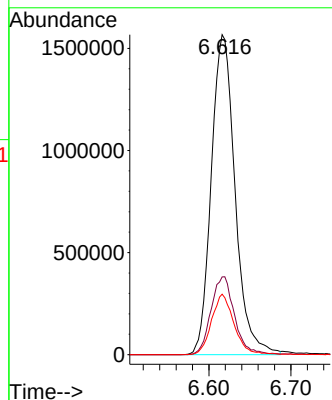
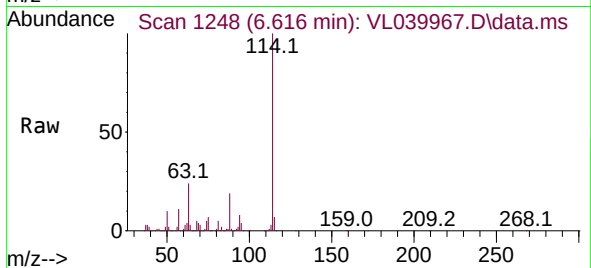
Tgt Ion:114 Resp: 3157064

Ion Ratio Lower Upper

114 100

63 24.4 21.4 32.0

88 18.1 15.3 22.9



#39

1,2-Dichloropropane

Concen: 7.237 ppbv

RT: 6.619 min Scan# 1249

Delta R.T. -0.415 min

Lab File: VL039967.D

Acq: 2 Dec 2022 12:27

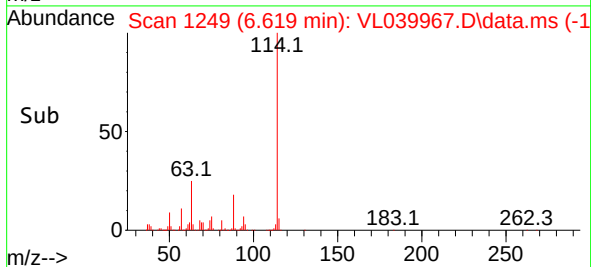
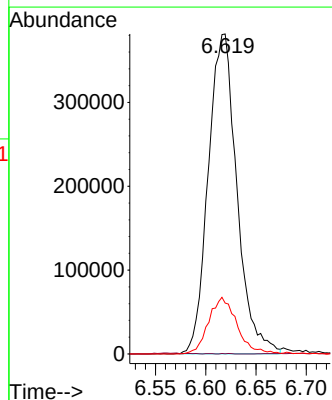
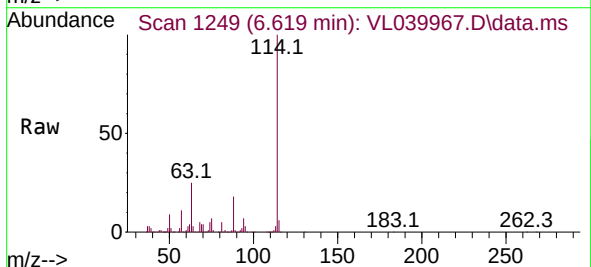
Tgt Ion: 63 Resp: 756620

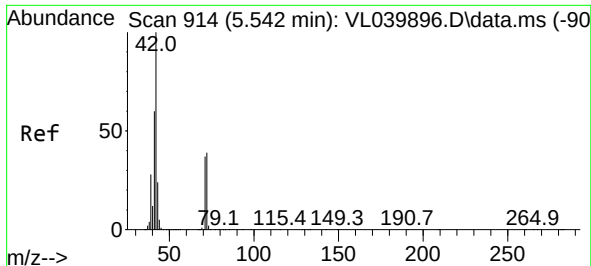
Ion Ratio Lower Upper

63 100

41 0.0 54.7 82.1#

62 15.8 55.0 82.6#

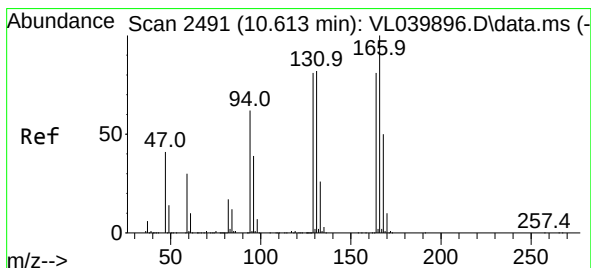
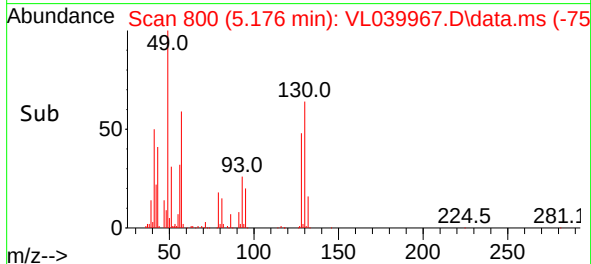
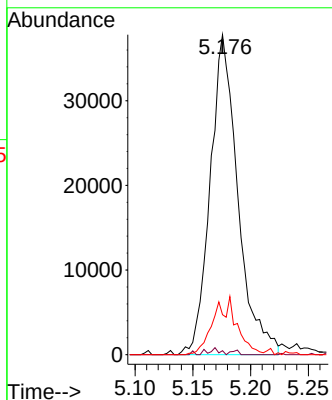
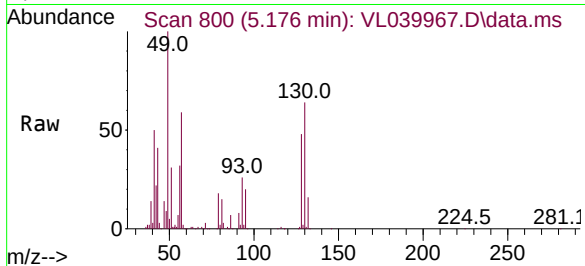




#41
Tetrahydrofuran
Concen: 0.604 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.344 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

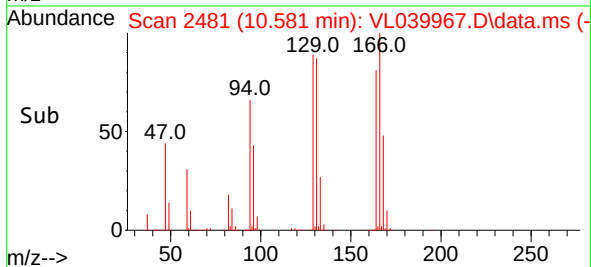
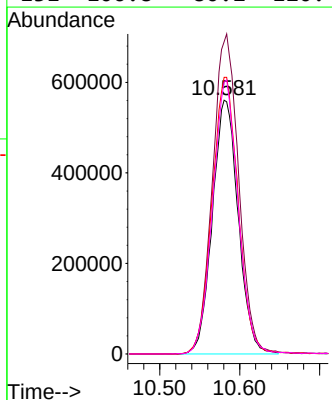
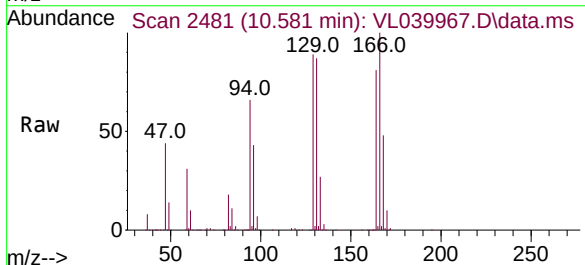
Instrument :
MSVOA_L
ClientSampleId :
OTC-SSDL2

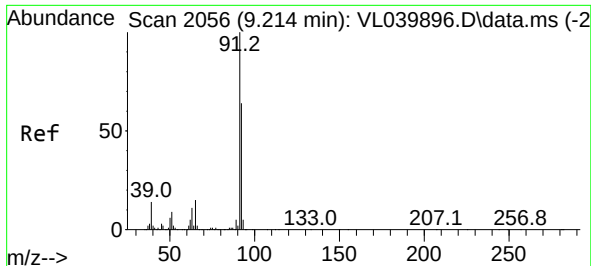
Tgt Ion: 42 Resp: 62990
Ion Ratio Lower Upper
42 100
72 1.4 31.6 47.4#
71 15.8 31.2 46.8#



#52
Tetrachloroethene
Concen: 12.501 ppbv
RT: 10.581 min Scan# 2481
Delta R.T. 0.000 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

Tgt Ion:164 Resp: 1254903
Ion Ratio Lower Upper
164 100
166 123.0 98.3 147.5
129 109.0 79.7 119.5
131 106.8 80.2 120.4

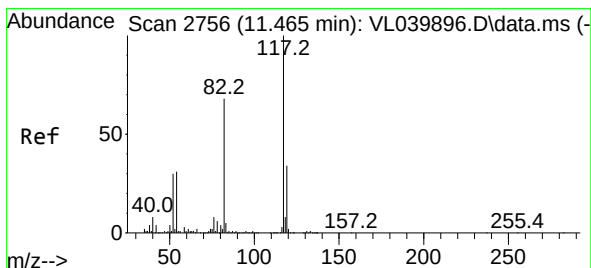
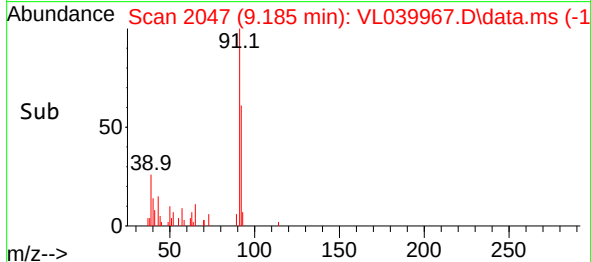
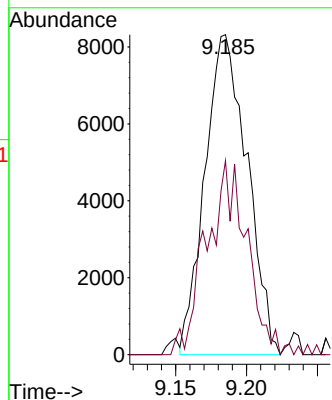
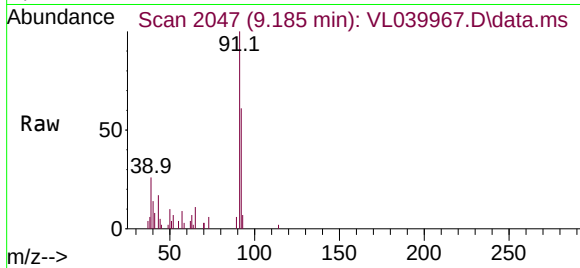




#53
Toluene
Concen: 0.056 ppbv
RT: 9.185 min Scan# 2056
Delta R.T. 0.000 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

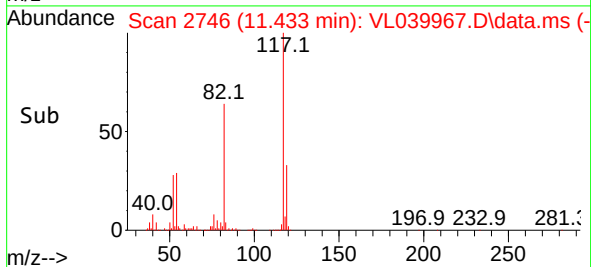
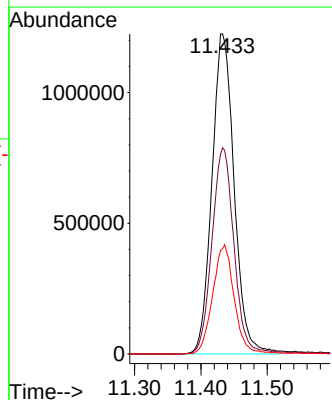
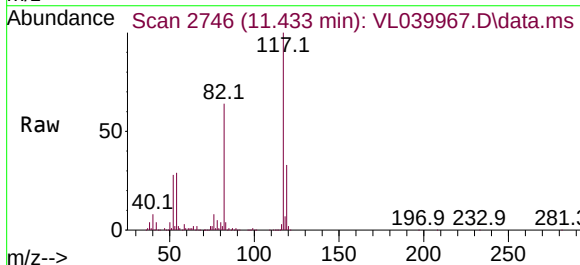
Instrument :
MSVOA_1
ClientSampleId :
OTC-SSDL2

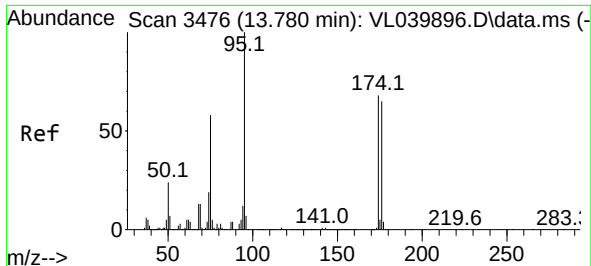
Tgt Ion: 91 Resp: 17234
Ion Ratio Lower Upper
91 100
92 58.8 49.8 74.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.433 min Scan# 2746
Delta R.T. 0.000 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

Tgt Ion: 117 Resp: 2850808
Ion Ratio Lower Upper
117 100
82 64.6 52.3 78.5
119 33.1 25.7 38.5

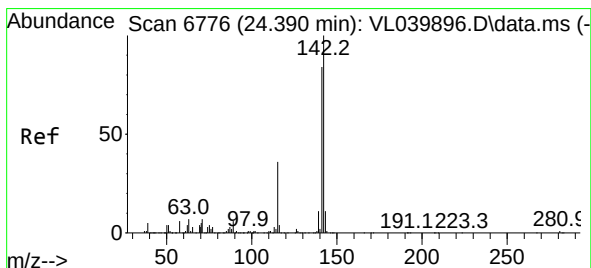
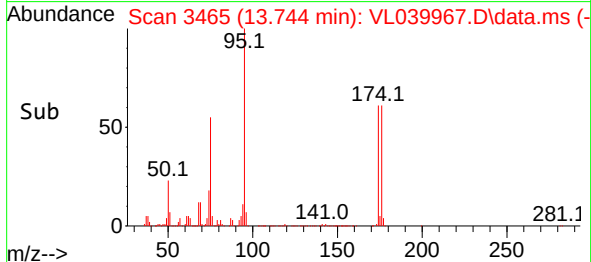
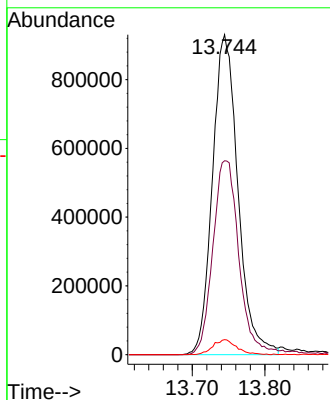
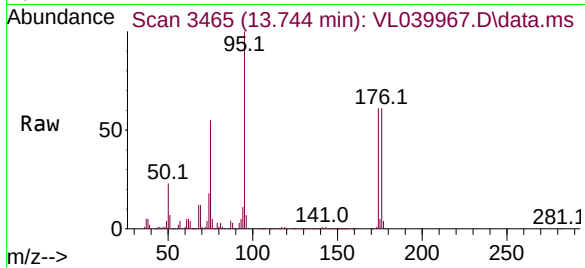




#68
1-Bromo-4-Fluorobenzene
Concen: 10.433 ppbv
RT: 13.744 min Scan# 3476
Delta R.T. 0.003 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

Instrument :
MSVOA_1
ClientSampleId :
OTC-SSDL2

Tgt Ion: 95 Resp: 2271838
Ion Ratio Lower Upper
95 100
174 63.5 53.7 80.5
175 4.4 4.0 6.0



#80
Naphthalene,2-methyl-
Concen: 0.030 ppbv
RT: 24.374 min Scan# 6771
Delta R.T. 0.026 min
Lab File: VL039967.D
Acq: 2 Dec 2022 12:27

Tgt Ion:142 Resp: 1724
Ion Ratio Lower Upper
142 100
141 55.8 69.1 103.7#
115 44.4 29.6 44.4

