

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039997.D
 Acq On : 13 Dec 2022 4:54
 Operator : SY/MD
 Sample : N5969-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Quant Time: Dec 13 07:15:15 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	5.169	49	838756	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2620038	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.449	117	2383534	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1872223	10.284	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%

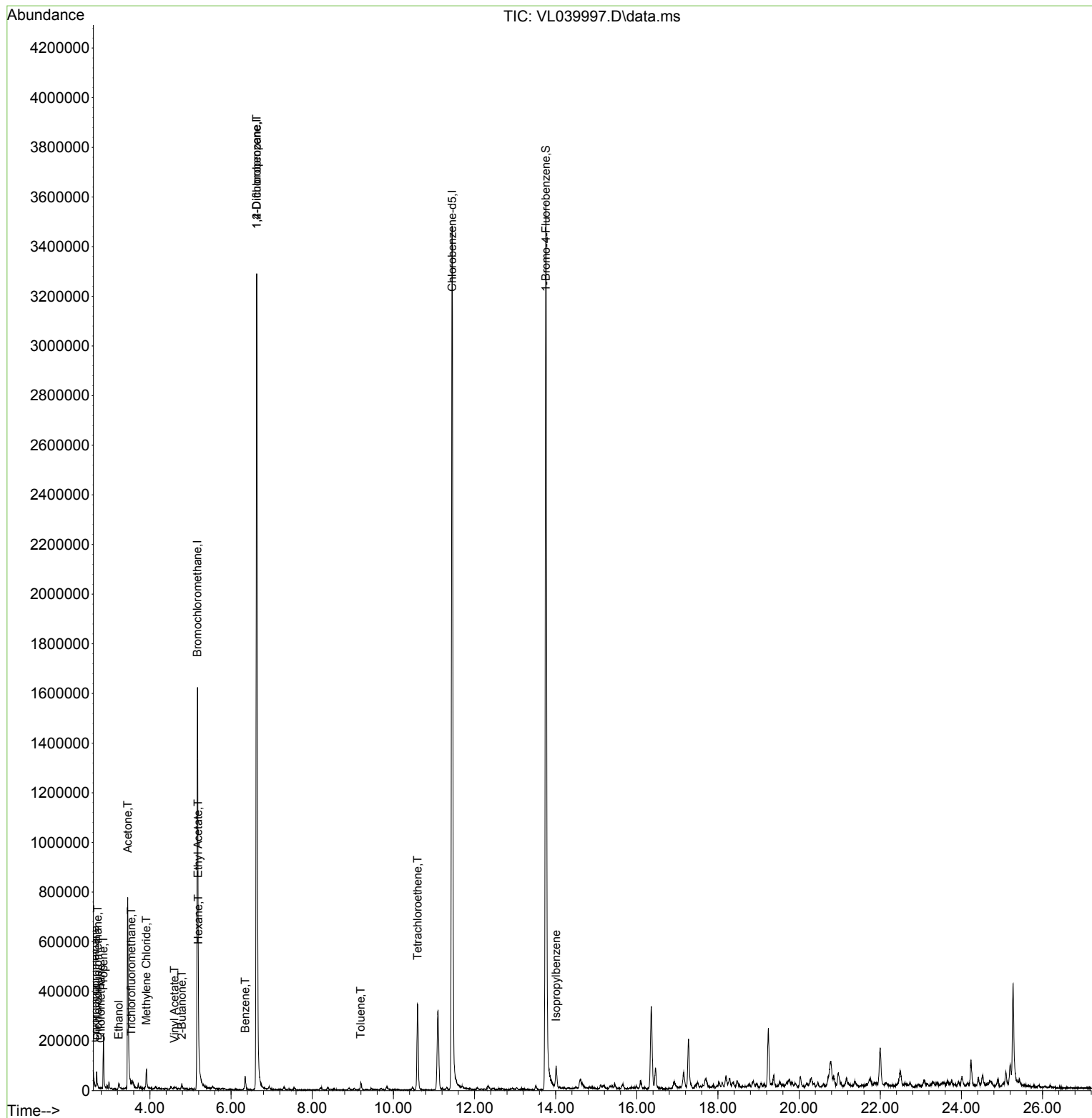
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.713	85	6736	0.056	ppbv	98
3) Chlorodifluoromethane	2.652	51	3274	0.028	ppbv #	67
4) Chloromethane	2.790	50	1782	0.024	ppbv #	64
9) Propene	2.854	41	52929	0.971	ppbv	91
11) Trichlorofluoromethane	3.539	101	8988	0.061	ppbv	92
13) Ethanol	3.230	45	10784	2.591	ppbv #	38
15) Acetone	3.452	43	862577	7.753	ppbv	100
20) Methylene Chloride	3.912	84	23761	0.441	ppbv #	88
23) Vinyl Acetate	4.603	43	1452	0.032	ppbv #	32
25) Ethyl Acetate	5.188	43	5208	0.025	ppbv #	74
26) Hexane	5.195	57	15440	0.173	ppbv #	47
34) 2-Butanone	4.790	43	24336	0.194	ppbv	92
36) Benzene	6.349	78	39458	0.177	ppbv #	93
39) 1,2-Dichloropropane	6.632	63	653262	7.529	ppbv #	26
52) Tetrachloroethene	10.597	164	91127	1.094	ppbv	90
53) Toluene	9.195	91	15055	0.059	ppbv #	73
62) Isopropylbenzene	14.011	105	74178	0.199	ppbv	95

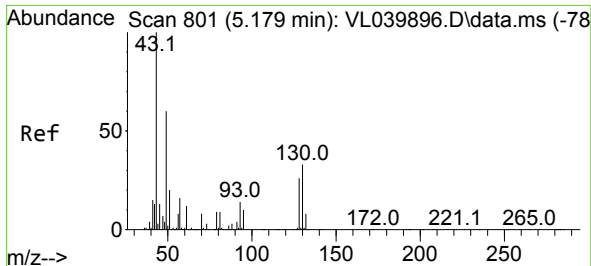
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.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

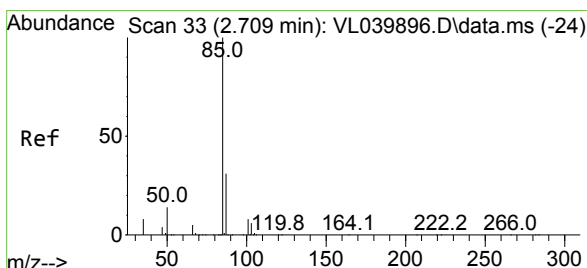
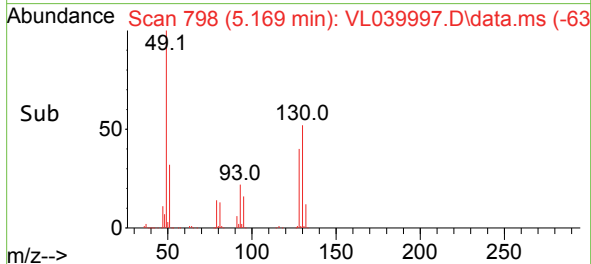
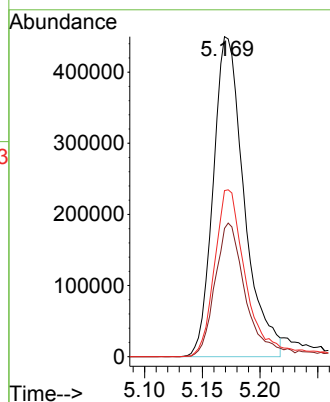
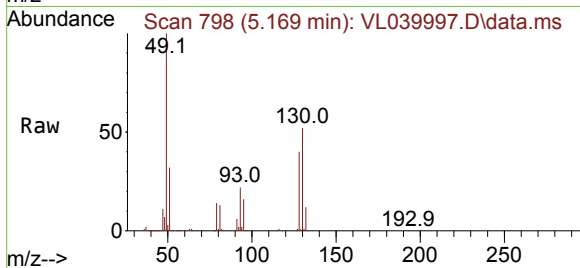




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.169 min Scan# 79
 Delta R.T. 0.013 min
 Lab File: VL039997.D
 Acq: 13 Dec 2022 4:54

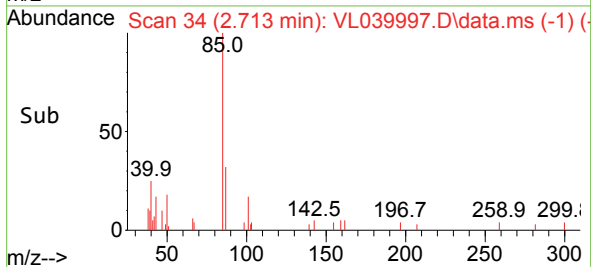
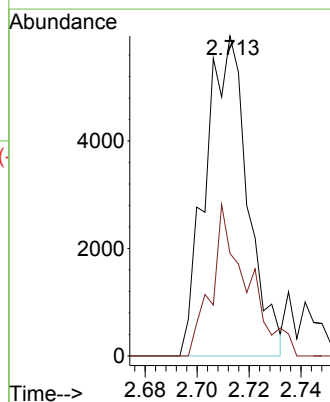
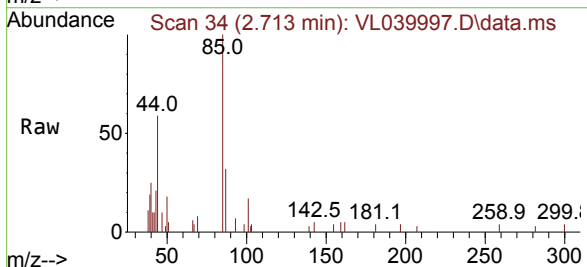
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

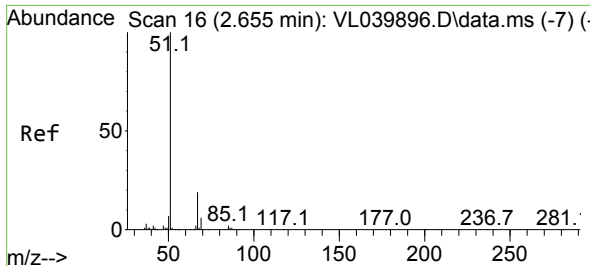
Tgt Ion: 49 Resp: 838756
 Ion Ratio Lower Upper
 49 100
 128 44.3 22.1 66.3
 130 55.6 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 0.056 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.016 min
 Lab File: VL039997.D
 Acq: 13 Dec 2022 4:54

Tgt Ion: 85 Resp: 6736
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.0 37.4

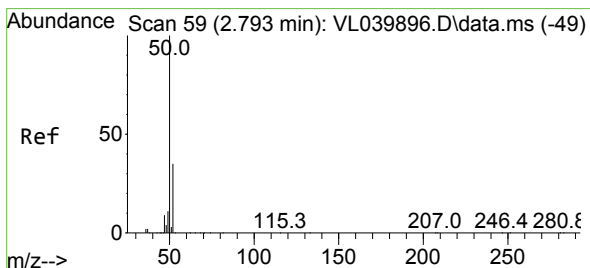
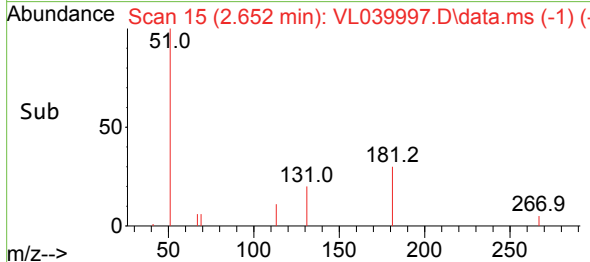
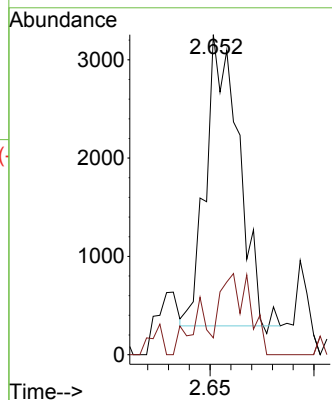
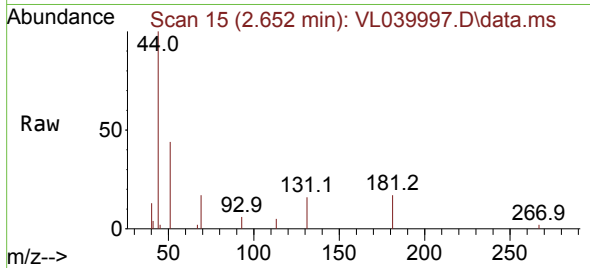




#3
Chlorodifluoromethane
Concen: 0.028 ppbv
RT: 2.652 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

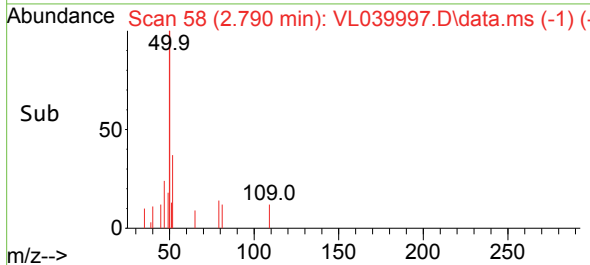
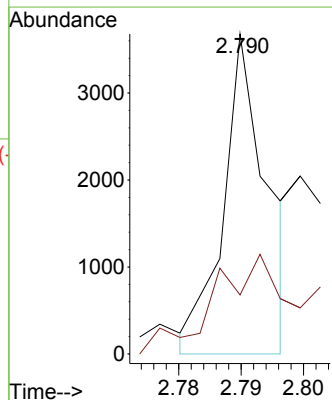
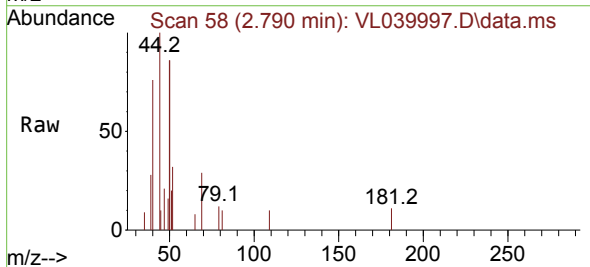
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

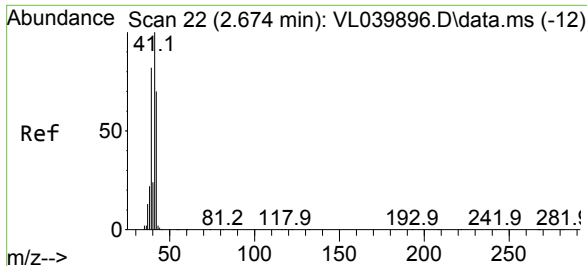
Tgt Ion: 51 Resp: 3274
Ion Ratio Lower Upper
51 100
67 32.4 14.2 21.4#



#4
Chloromethane
Concen: 0.024 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.010 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

Tgt Ion: 50 Resp: 1782
Ion Ratio Lower Upper
50 100
52 14.2 27.8 41.8#

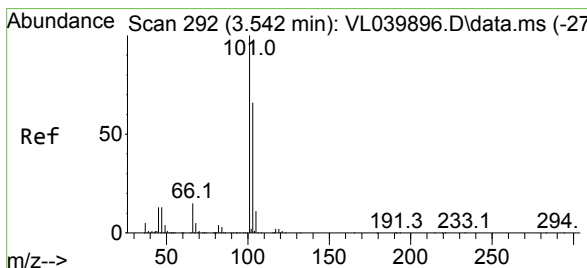
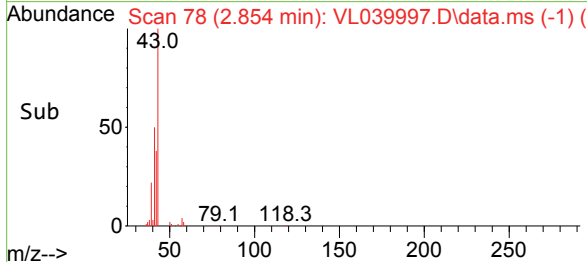
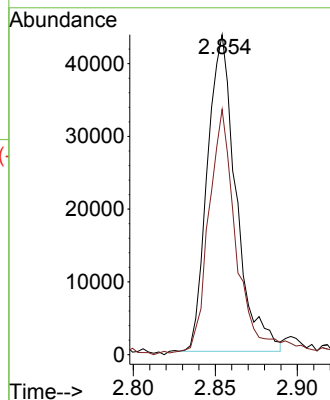
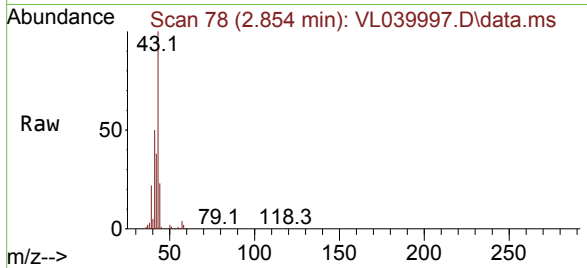




#9
 Propene
 Concen: 0.971 ppbv
 RT: 2.854 min Scan# 71
 Delta R.T. 0.193 min
 Lab File: VL039997.D
 Acq: 13 Dec 2022 4:54

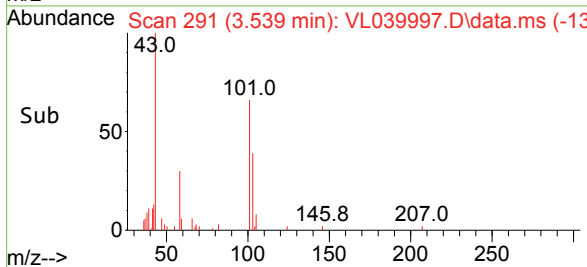
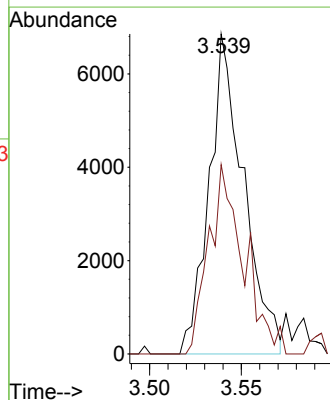
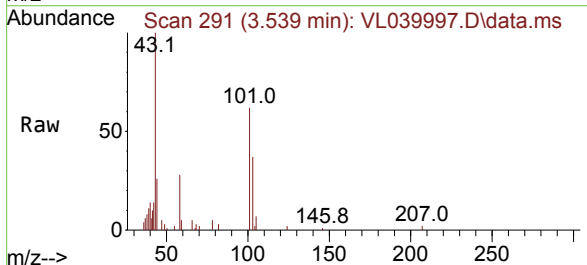
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

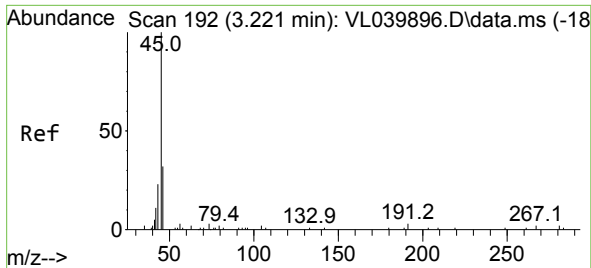
Tgt Ion: 41 Resp: 52929
 Ion Ratio Lower Upper
 41 100
 42 77.1 55.8 83.6



#11
 Trichlorofluoromethane
 Concen: 0.061 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. 0.010 min
 Lab File: VL039997.D
 Acq: 13 Dec 2022 4:54

Tgt Ion: 101 Resp: 8988
 Ion Ratio Lower Upper
 101 100
 103 59.1 52.6 78.8

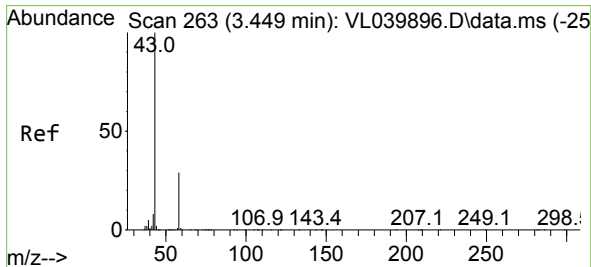
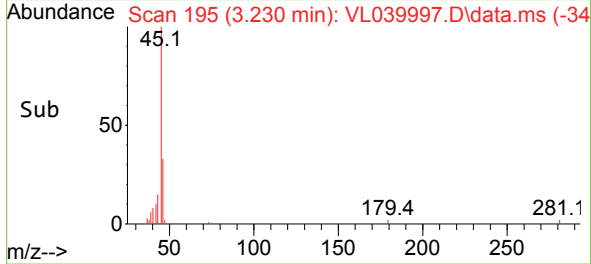
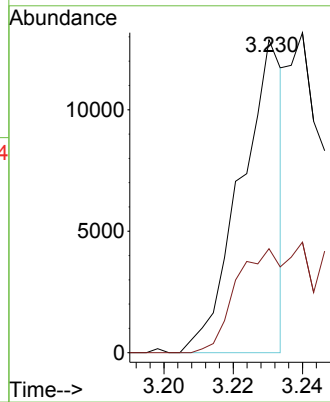
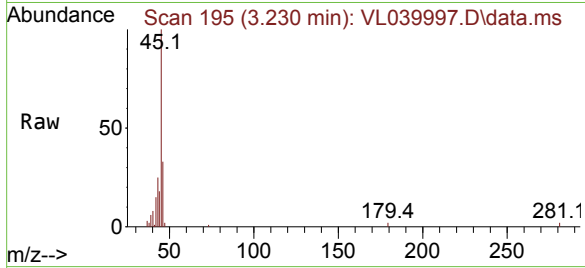




#13
Ethanol
Concen: 2.591 ppbv
RT: 3.230 min Scan# 19
Delta R.T. 0.016 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

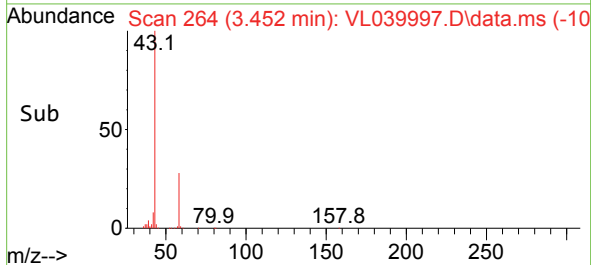
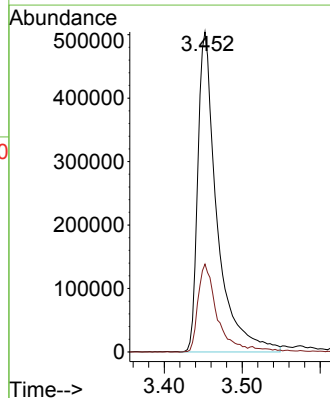
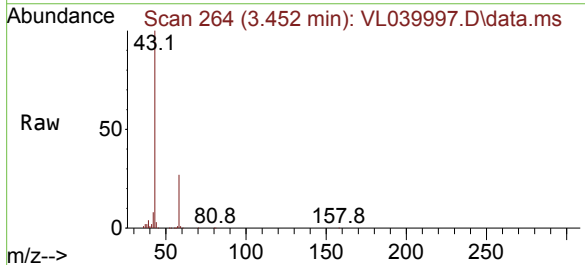
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

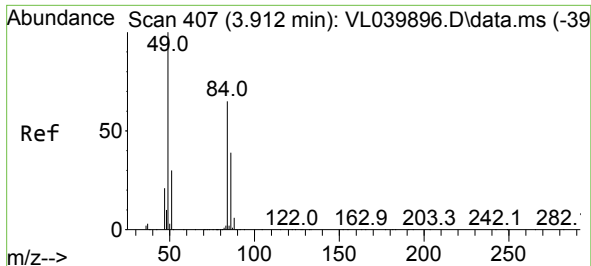
Tgt Ion: 45 Resp: 10784
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2#



#15
Acetone
Concen: 7.753 ppbv
RT: 3.452 min Scan# 264
Delta R.T. 0.019 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

Tgt Ion: 43 Resp: 862577
Ion Ratio Lower Upper
43 100
58 28.6 22.9 34.3



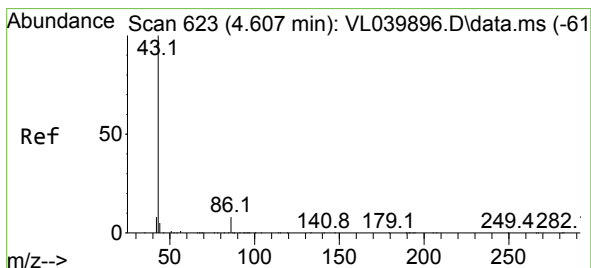
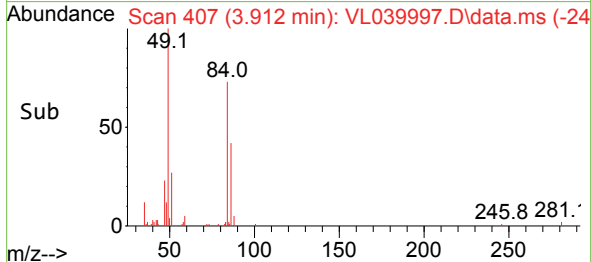
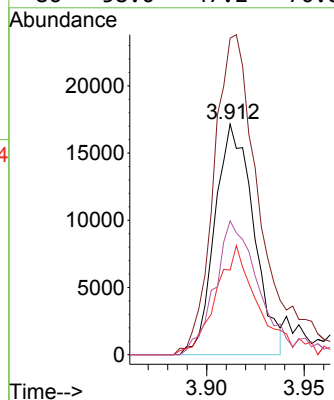
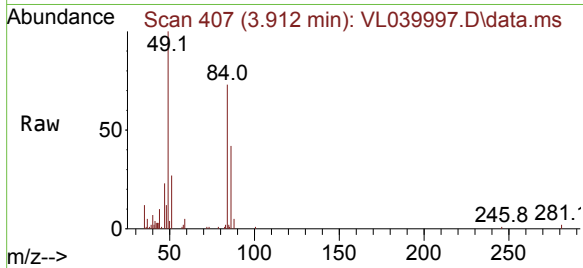


#20
Methylene Chloride
Concen: 0.441 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 84 Resp: 23761

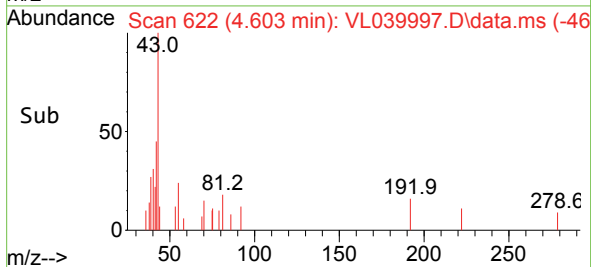
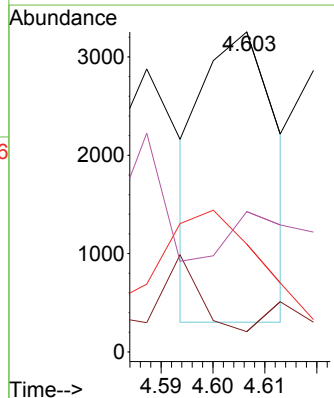
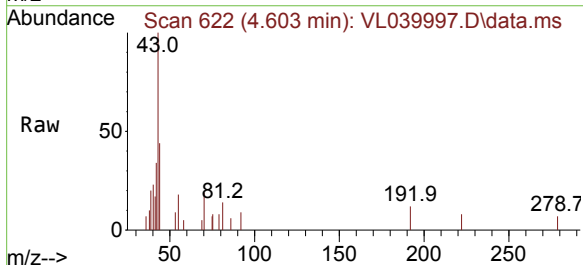
Ion	Ratio	Lower	Upper
84	100		
49	134.5	122.2	183.4
51	35.0	36.3	54.5#
86	58.0	47.2	70.8

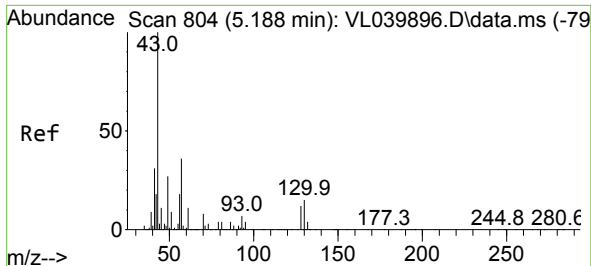


#23
Vinyl Acetate
Concen: 0.032 ppbv
RT: 4.603 min Scan# 622
Delta R.T. 0.010 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

Tgt Ion: 43 Resp: 1452

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	36.0	7.6	11.4#
44	46.2	3.8	5.6#

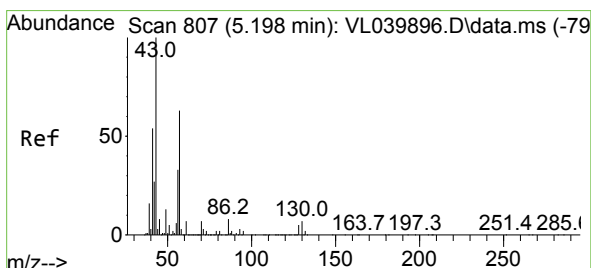
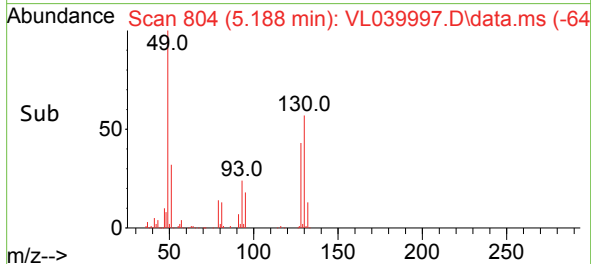
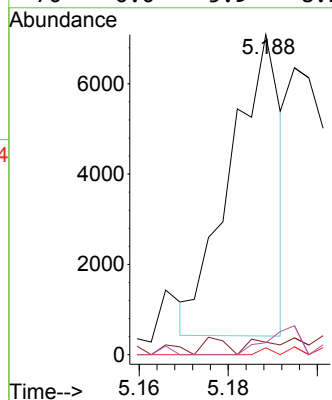
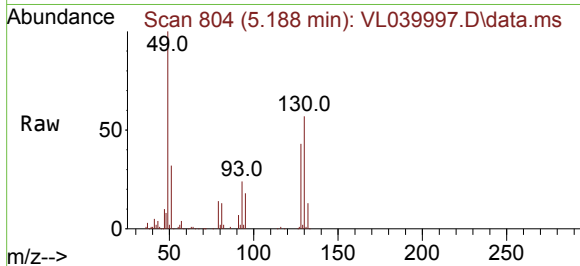




#25
Ethyl Acetate
Concen: 0.025 ppbv
RT: 5.188 min Scan# 804
Delta R.T. 0.019 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

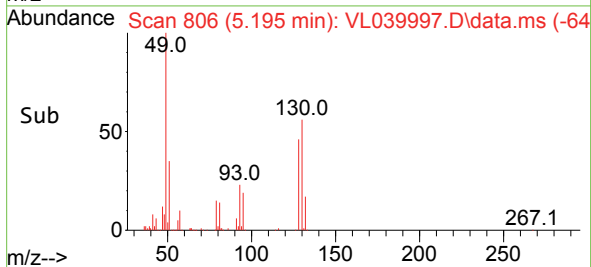
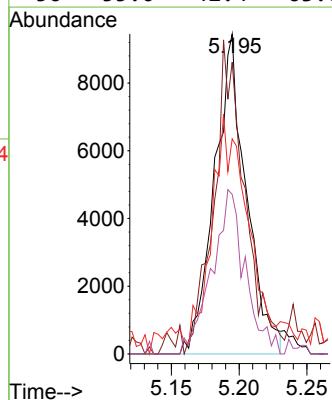
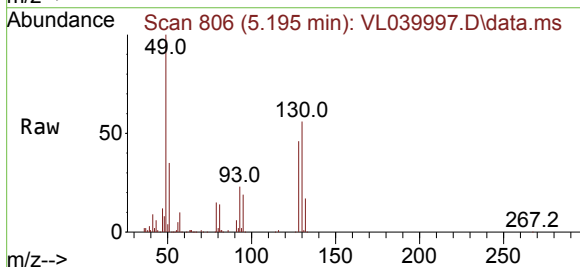
Instrument :
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ClientSampleId :
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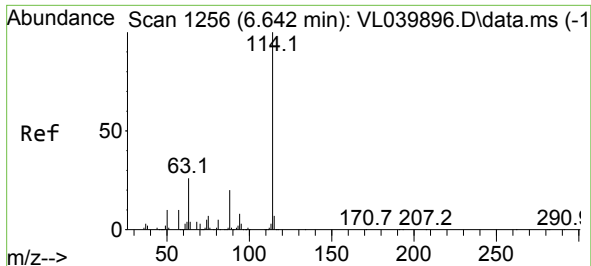
Tgt Ion:	43	Resp:	5208
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.4	12.6#
61	0.0	8.5	12.7#
70	0.0	5.9	8.9#



#26
Hexane
Concen: 0.173 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.019 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

Tgt Ion:	57	Resp:	15440
Ion	Ratio	Lower	Upper
57	100		
41	108.7	72.3	108.5#
43	106.3	188.7	283.1#
56	55.0	42.4	63.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL039997.D

Acq: 13 Dec 2022 4:54

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

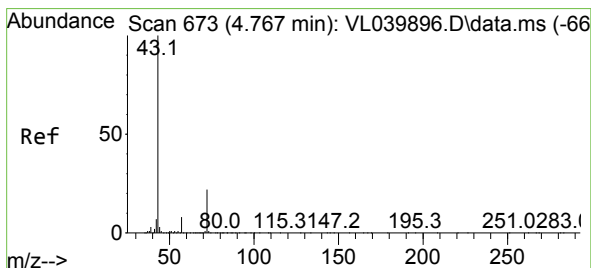
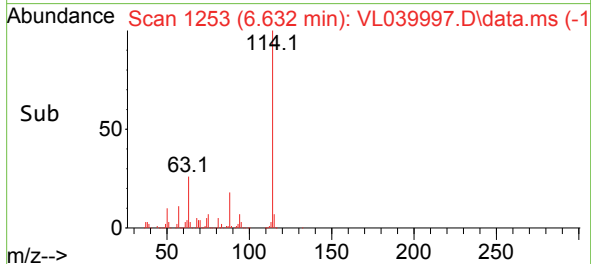
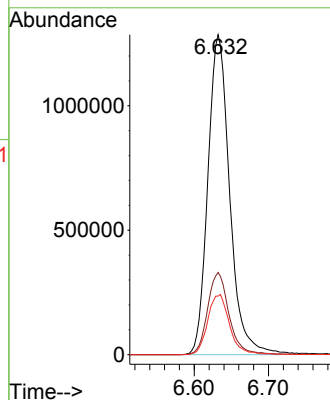
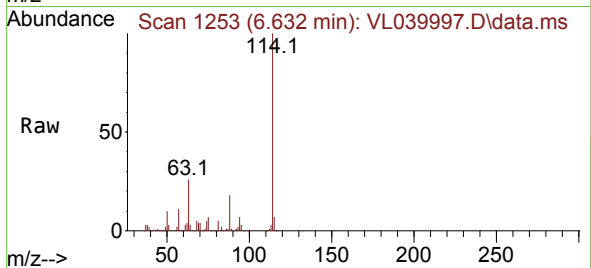
Tgt Ion:114 Resp: 2620038

Ion Ratio Lower Upper

114 100

63 25.4 21.4 32.0

88 19.0 15.3 22.9



#34

2-Butanone

Concen: 0.194 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.039 min

Lab File: VL039997.D

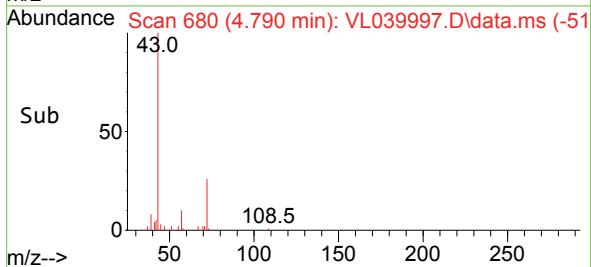
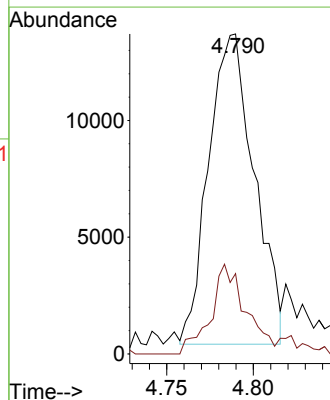
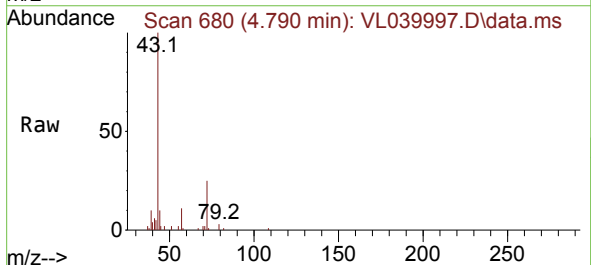
Acq: 13 Dec 2022 4:54

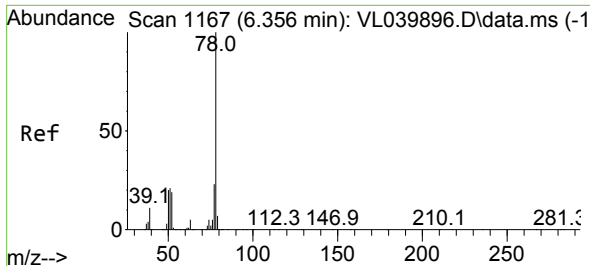
Tgt Ion: 43 Resp: 24336

Ion Ratio Lower Upper

43 100

72 25.8 17.4 26.2

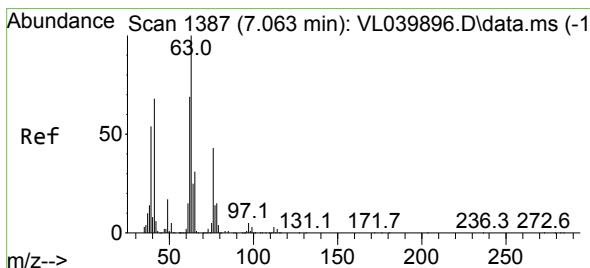
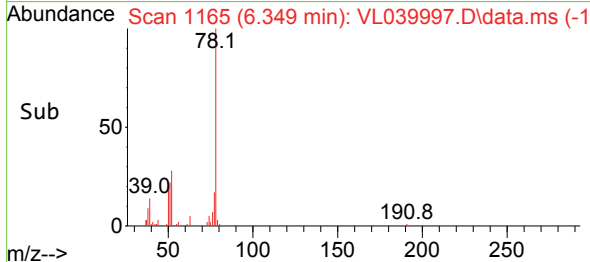
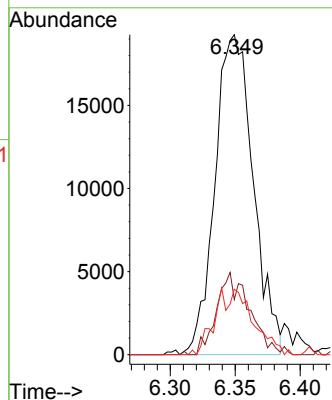
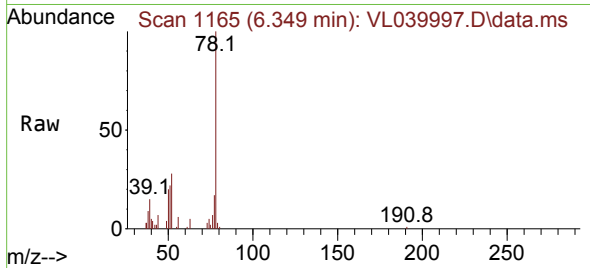




#36
Benzene
Concen: 0.177 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.016 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

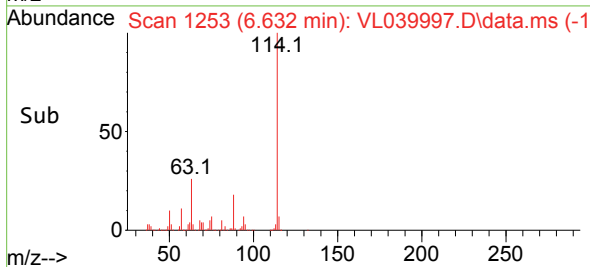
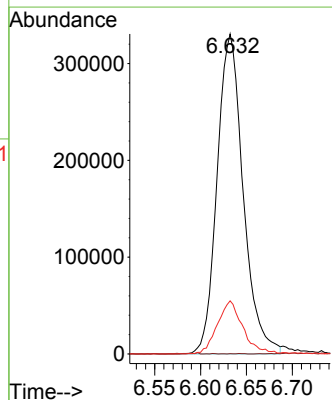
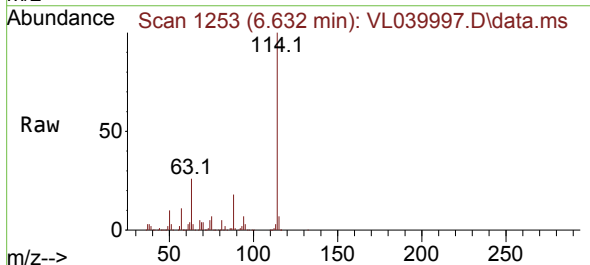
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

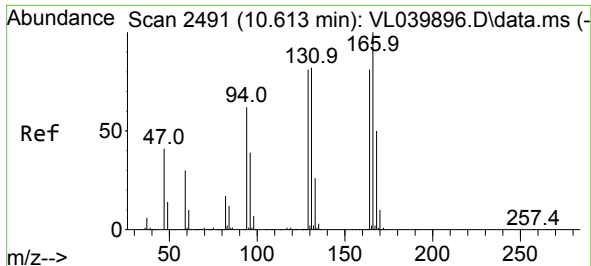
Tgt Ion: 78 Resp: 39458
Ion Ratio Lower Upper
78 100
77 17.2 18.2 27.2#
50 20.5 15.8 23.8



#39
1,2-Dichloropropane
Concen: 7.529 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. -0.402 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

Tgt Ion: 63 Resp: 653262
Ion Ratio Lower Upper
63 100
41 0.0 54.7 82.1#
62 16.6 55.0 82.6#

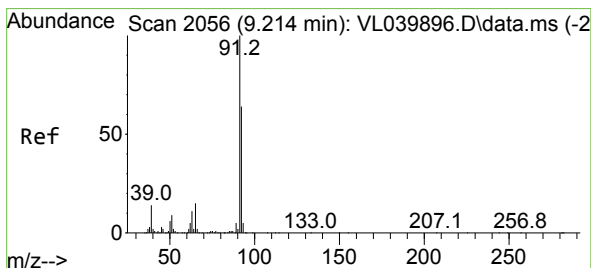
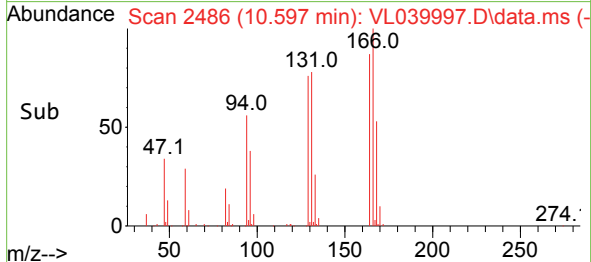
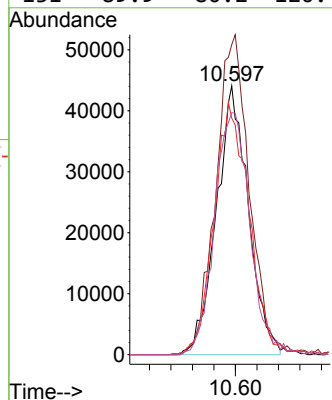
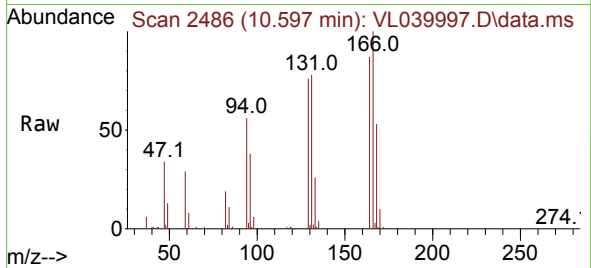




#52
Tetrachloroethene
Concen: 1.094 ppbv
RT: 10.597 min Scan# 2491
Delta R.T. 0.016 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

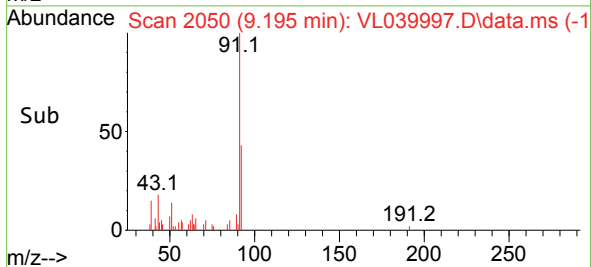
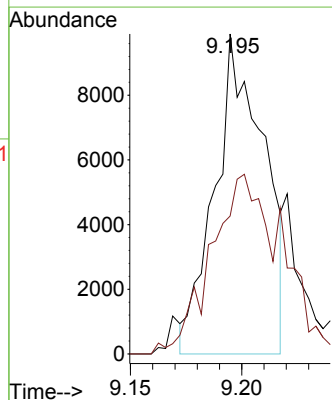
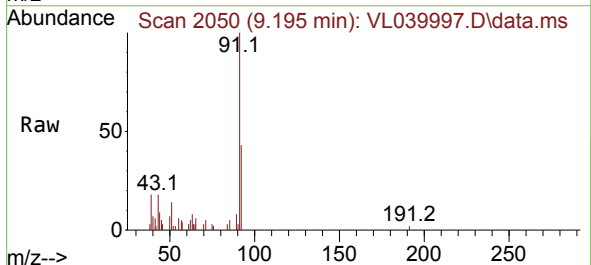
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

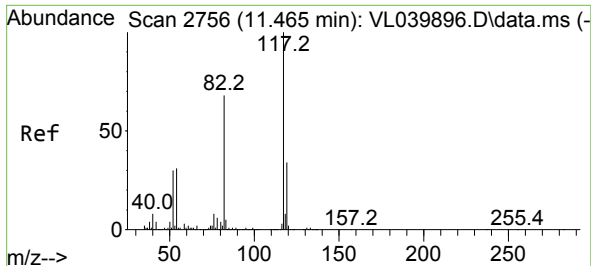
Tgt Ion:	164	Resp:	91127
Ion	Ratio	Lower	Upper
164	100		
166	114.6	98.3	147.5
129	87.5	79.7	119.5
131	89.9	80.2	120.4



#53
Toluene
Concen: 0.059 ppbv
RT: 9.195 min Scan# 2050
Delta R.T. 0.010 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

Tgt Ion:	91	Resp:	15055
Ion	Ratio	Lower	Upper
91	100		
92	82.7	49.8	74.6#

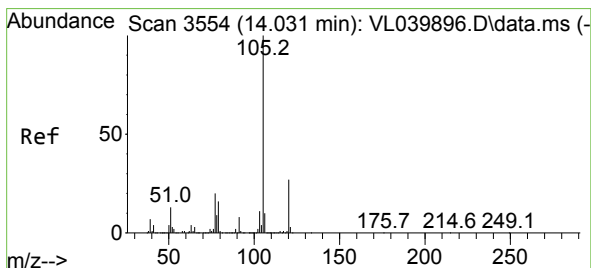
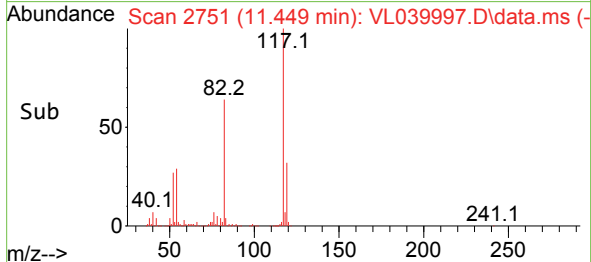
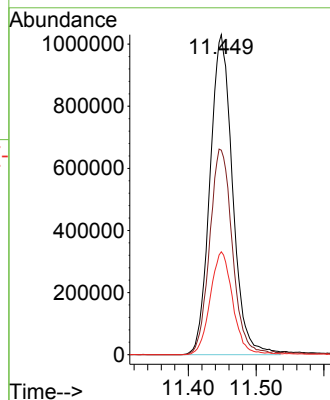
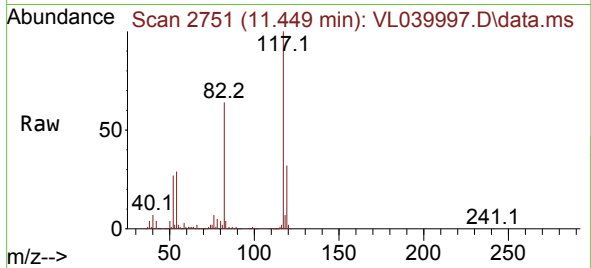




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

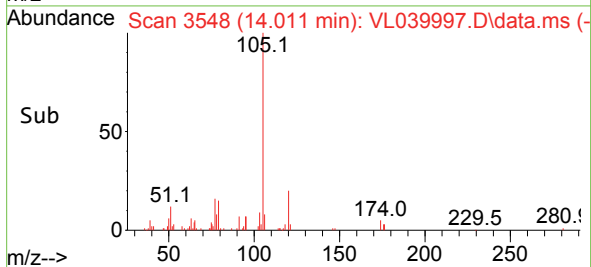
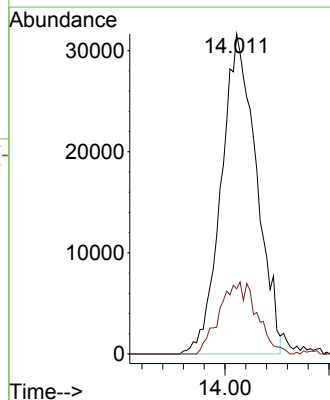
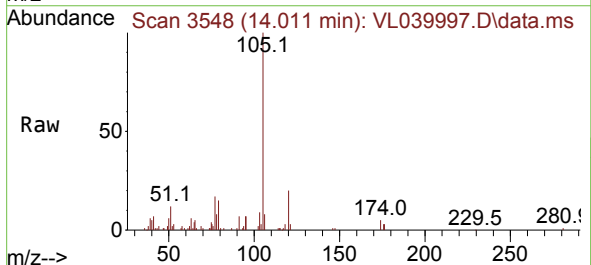
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

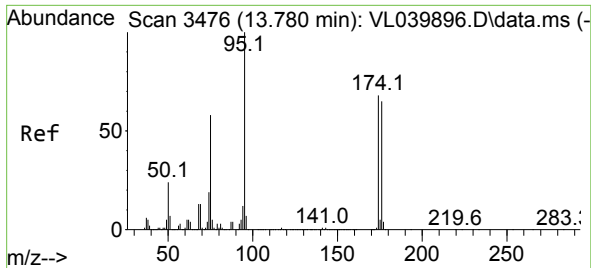
Tgt Ion:117 Resp: 2383534
Ion Ratio Lower Upper
117 100
82 65.9 52.3 78.5
119 32.5 25.7 38.5



#62
Isopropylbenzene
Concen: 0.199 ppbv
RT: 14.011 min Scan# 3548
Delta R.T. 0.016 min
Lab File: VL039997.D
Acq: 13 Dec 2022 4:54

Tgt Ion:105 Resp: 74178
Ion Ratio Lower Upper
105 100
120 24.0 21.4 32.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.284 ppbv

RT: 13.757 min Scan# 34

Delta R.T. 0.016 min

Lab File: VL039997.D

Acq: 13 Dec 2022 4:54

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tgt Ion: 95 Resp: 1872223

Ion Ratio Lower Upper

95 100

174 66.8 53.7 80.5

175 4.8 4.0 6.0

