

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039944.D
 Acq On : 1 Dec 2022 16:23
 Operator : SY/MD
 Sample : N5824-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TPC-1ADL

Quant Time: Dec 02 05:33:16 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	5.166	49	1292659	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.626	114	3530131	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	3187443	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	2561430	10.521	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.200%

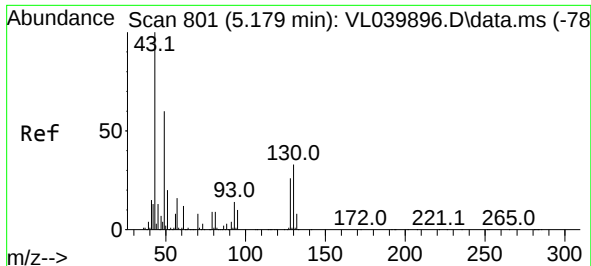
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue

2) Dichlorodifluoromethane	2.703	85	9284	0.050	ppbv #	57
4) Chloromethane	2.790	50	4736	0.042	ppbv #	78
9) Propene	2.848	41	156607	1.864	ppbv	98
13) Ethanol	3.208	45	1158429	180.580	ppbv	99
15) Acetone	3.446	43	304809	1.778	ppbv	96
16) 1,3-Butadiene	2.983	39	9009	0.105	ppbv #	12
19) Isopropyl Alcohol	3.552	45	765311	8.244	ppbv #	32
20) Methylene Chloride	3.909	84	153086	1.843	ppbv	95
25) Ethyl Acetate	5.185	43	112074	0.356	ppbv #	90
26) Hexane	5.188	57	107509	0.782	ppbv #	53
39) 1,2-Dichloropropane	6.626	63	863328	7.385	ppbv #	27
53) Toluene	9.198	91	53344	0.156	ppbv	98

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

Quant Time: Dec 02 05:33:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
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QLast Update : Fri Dec 02 05:29:35 2022
Response via : Initial Calibration

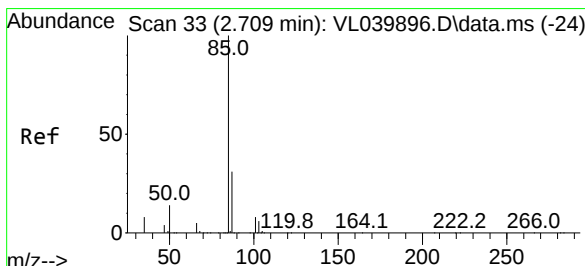
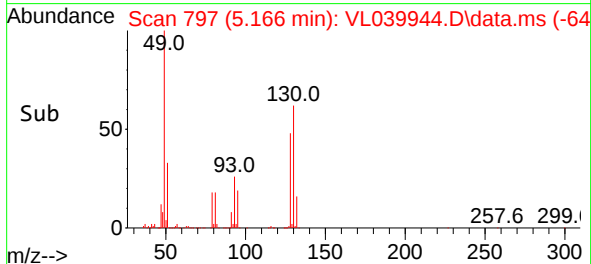
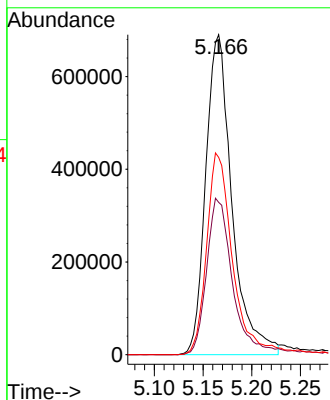
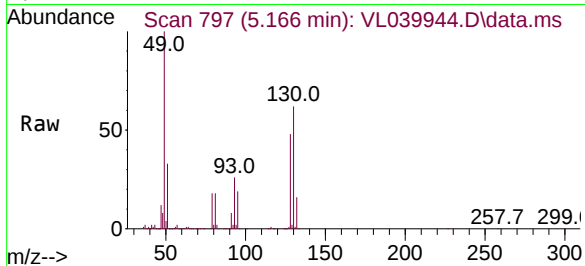




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 79
Delta R.T. -0.007 min
Lab File: VL039944.D
Acq: 1 Dec 2022 16:23

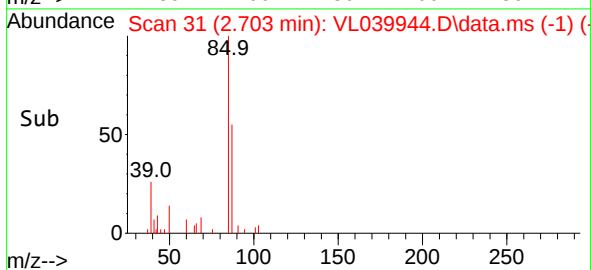
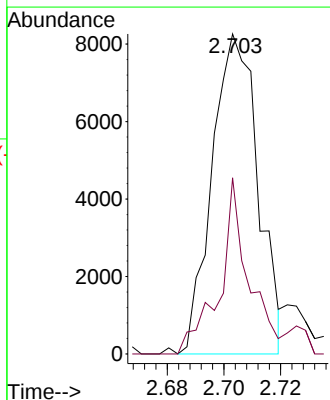
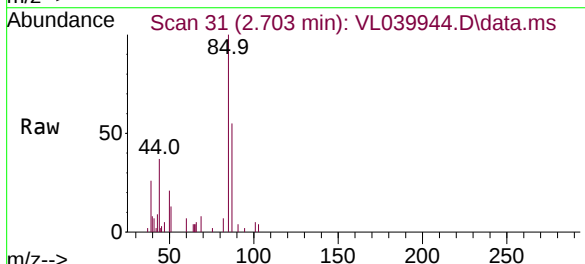
Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADL

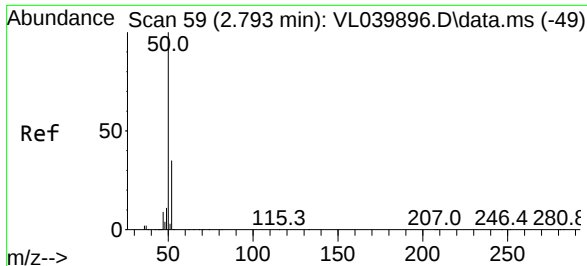
Tgt Ion: 49 Resp: 1292659
Ion Ratio Lower Upper
49 100
128 50.1 22.1 66.3
130 64.8 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.050 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL039944.D
Acq: 1 Dec 2022 16:23

Tgt Ion: 85 Resp: 9284
Ion Ratio Lower Upper
85 100
87 55.0 25.0 37.4#

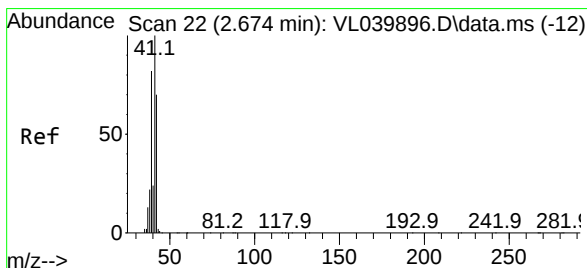
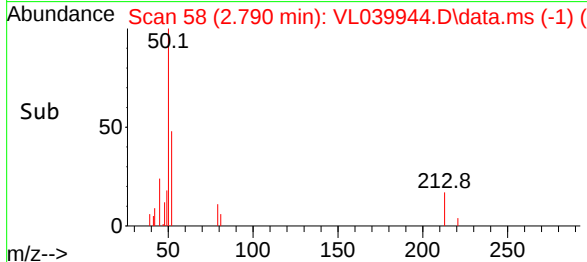
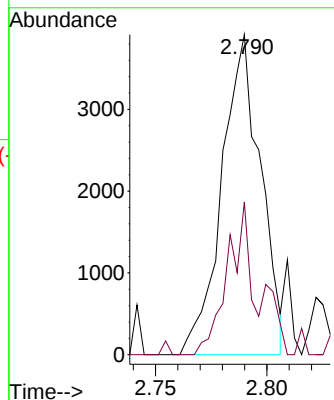
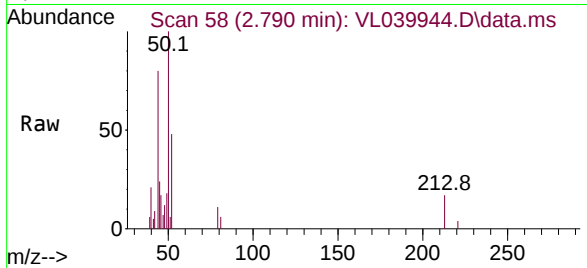




#4
Chloromethane
Concen: 0.042 ppbv
RT: 2.790 min Scan# 59
Delta R.T. -0.000 min
Lab File: VL039944.D
Acq: 1 Dec 2022 16:23

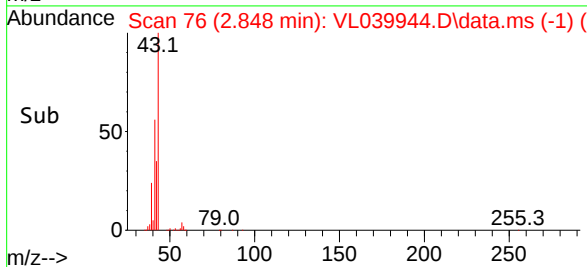
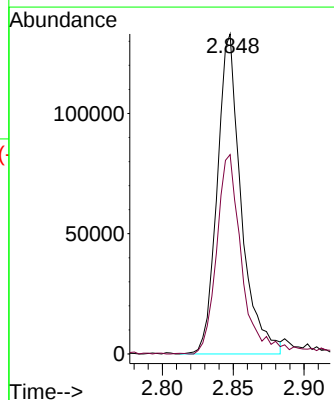
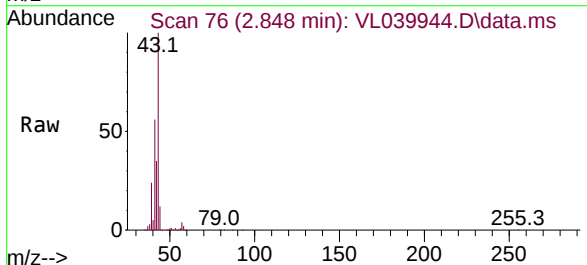
Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADL

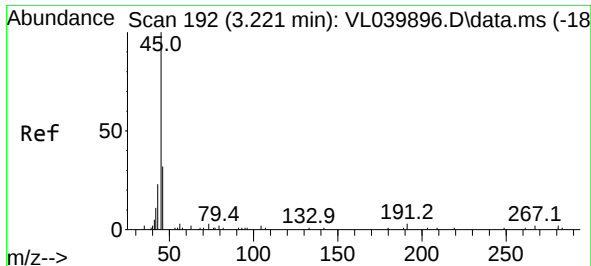
Tgt Ion: 50 Resp: 4736
Ion Ratio Lower Upper
50 100
52 47.8 27.8 41.8#



#9
Propene
Concen: 1.864 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.177 min
Lab File: VL039944.D
Acq: 1 Dec 2022 16:23

Tgt Ion: 41 Resp: 156607
Ion Ratio Lower Upper
41 100
42 68.0 55.8 83.6

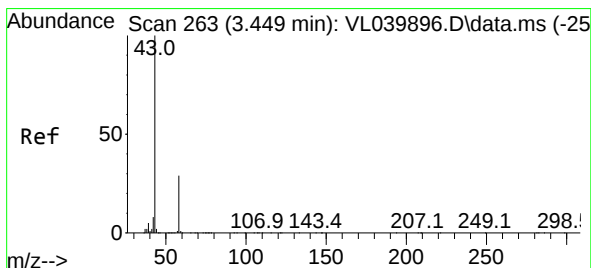
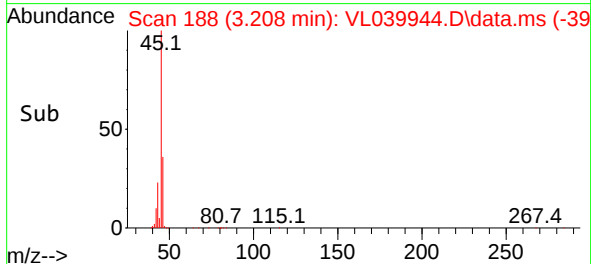
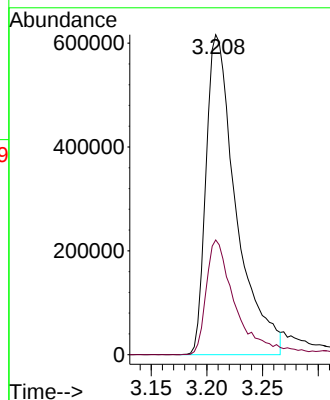
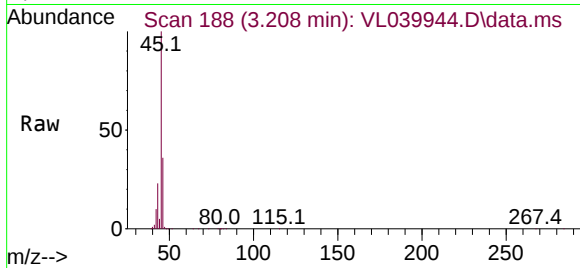




#13
 Ethanol
 Concen: 180.580 ppbv
 RT: 3.208 min Scan# 11
 Delta R.T. -0.019 min
 Lab File: VL039944.D
 Acq: 1 Dec 2022 16:23

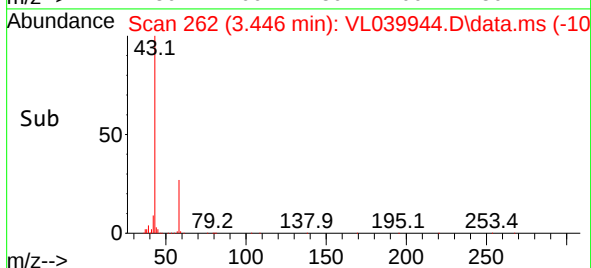
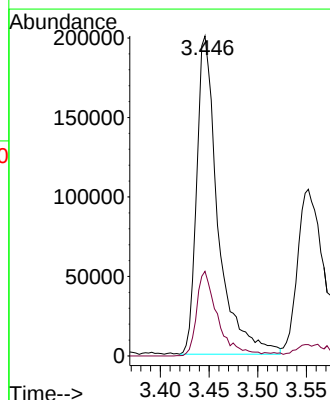
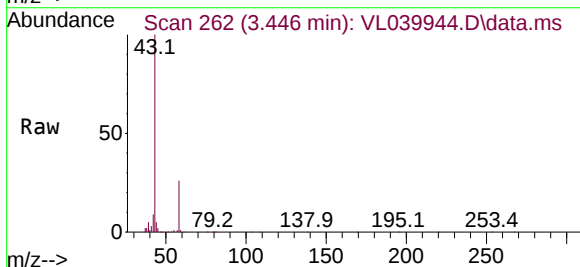
Instrument :
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 ClientSampleId :
 TPC-1ADL

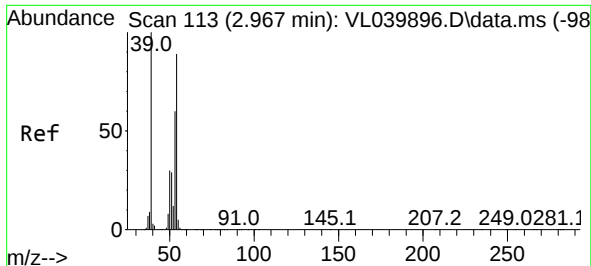
Tgt Ion: 45 Resp: 1158429
 Ion Ratio Lower Upper
 45 100
 46 36.1 14.6 58.2



#15
 Acetone
 Concen: 1.778 ppbv
 RT: 3.446 min Scan# 262
 Delta R.T. -0.000 min
 Lab File: VL039944.D
 Acq: 1 Dec 2022 16:23

Tgt Ion: 43 Resp: 304809
 Ion Ratio Lower Upper
 43 100
 58 26.7 22.9 34.3

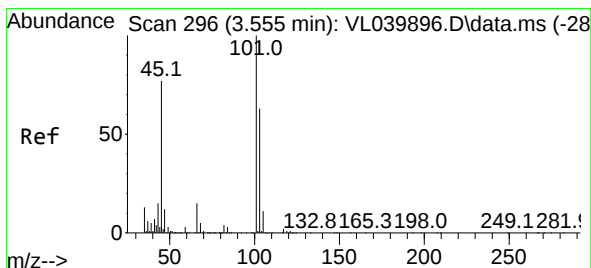
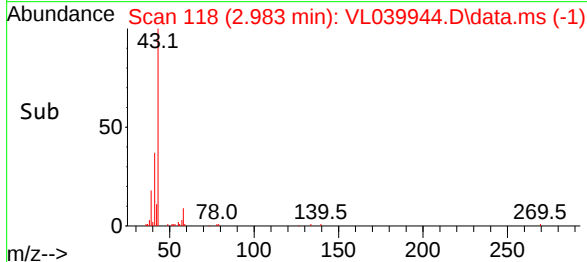
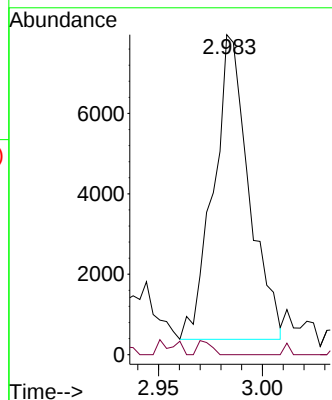
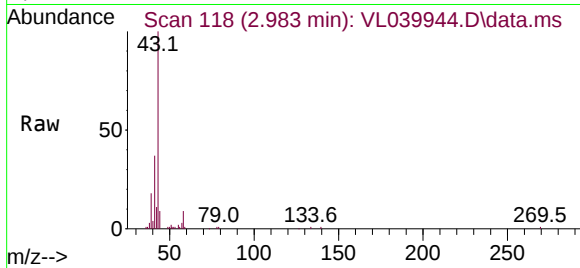




#16
1,3-Butadiene
Concen: 0.105 ppbv
RT: 2.983 min Scan# 113
Delta R.T. 0.019 min
Lab File: VL039944.D
Acq: 1 Dec 2022 16:23

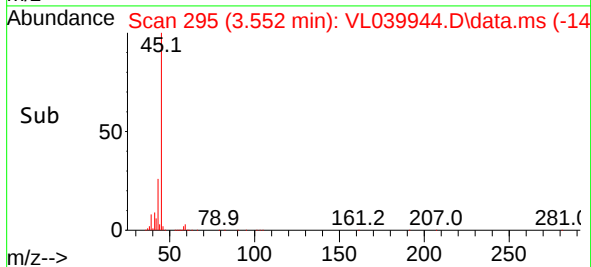
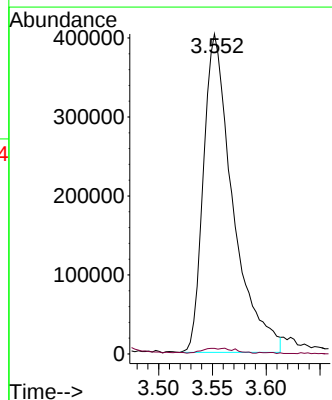
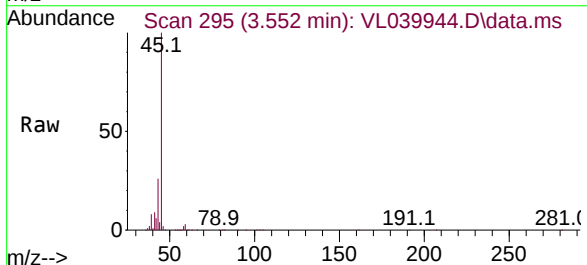
Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADL

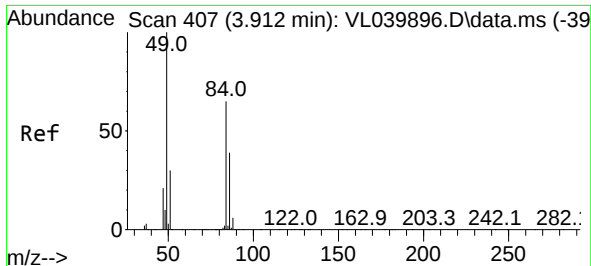
Tgt Ion: 39 Resp: 9009
Ion Ratio Lower Upper
39 100
54 4.0 66.6 99.8#



#19
Isopropyl Alcohol
Concen: 8.244 ppbv
RT: 3.552 min Scan# 295
Delta R.T. -0.003 min
Lab File: VL039944.D
Acq: 1 Dec 2022 16:23

Tgt Ion: 45 Resp: 765311
Ion Ratio Lower Upper
45 100
58 2.4 38.7 58.1#

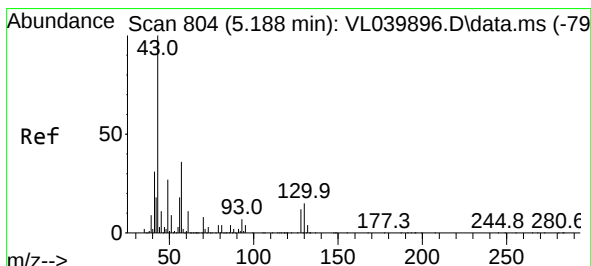
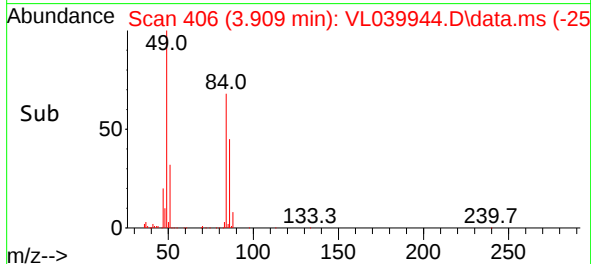
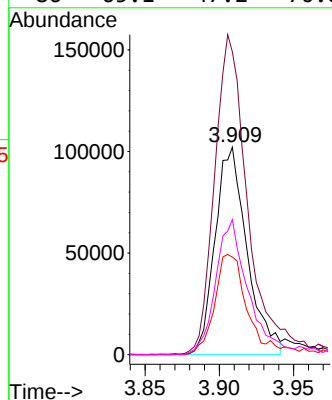
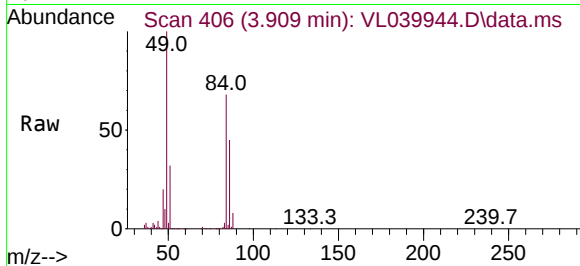




#20
Methylene Chloride
Concen: 1.843 ppbv
RT: 3.909 min Scan# 406
Delta R.T. -0.003 min
Lab File: VL039944.D
Acq: 1 Dec 2022 16:23

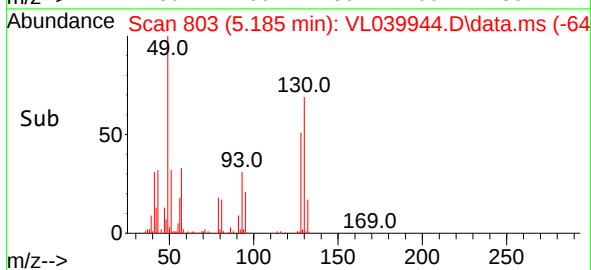
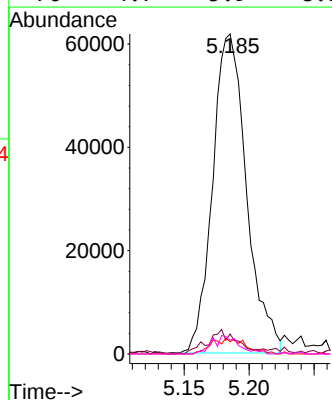
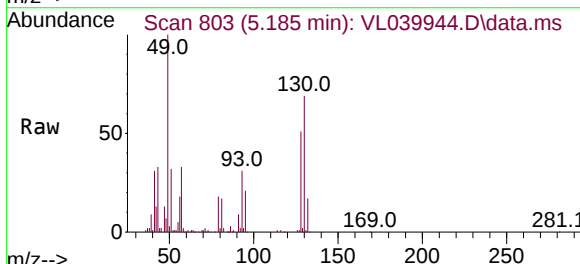
Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADL

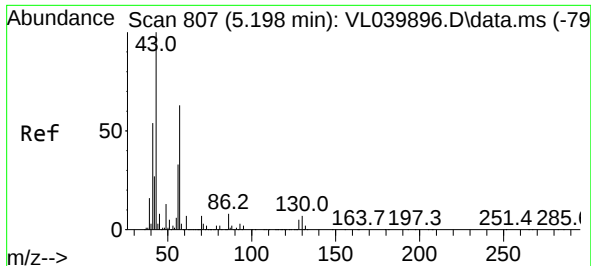
Tgt Ion: 84 Resp: 153086
Ion Ratio Lower Upper
84 100
49 145.7 122.2 183.4
51 46.7 36.3 54.5
86 65.1 47.2 70.8



#25
Ethyl Acetate
Concen: 0.356 ppbv
RT: 5.185 min Scan# 803
Delta R.T. -0.000 min
Lab File: VL039944.D
Acq: 1 Dec 2022 16:23

Tgt Ion: 43 Resp: 112074
Ion Ratio Lower Upper
43 100
45 7.9 8.4 12.6#
61 5.0 8.5 12.7#
70 4.7 5.9 8.9#

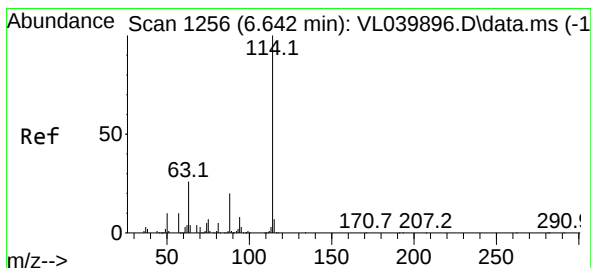
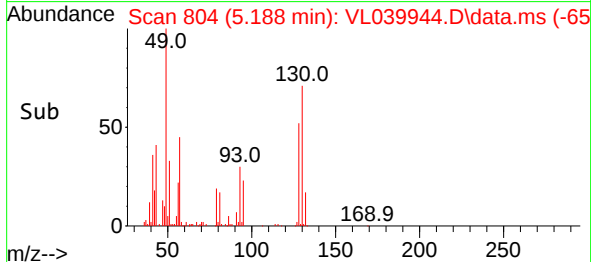
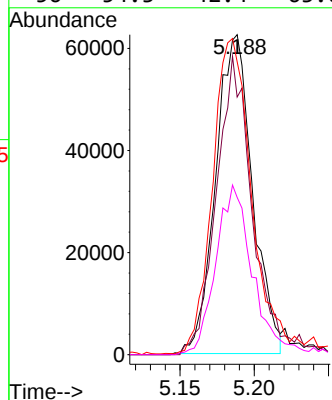
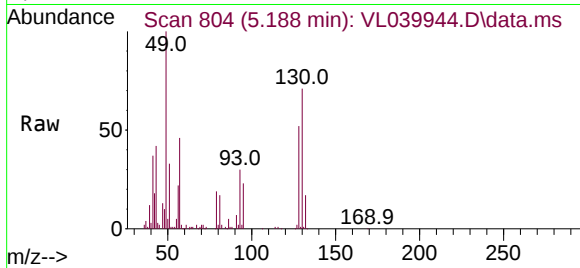




#26
Hexane
Concen: 0.782 ppbv
RT: 5.188 min Scan# 807
Delta R.T. -0.007 min
Lab File: VL039944.D
Acq: 1 Dec 2022 16:23

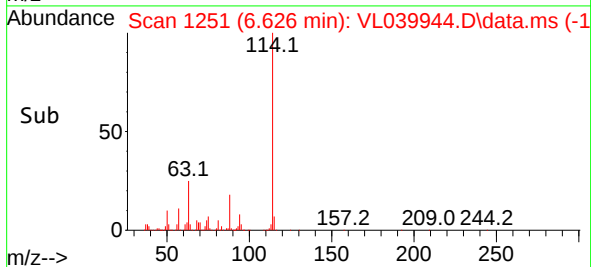
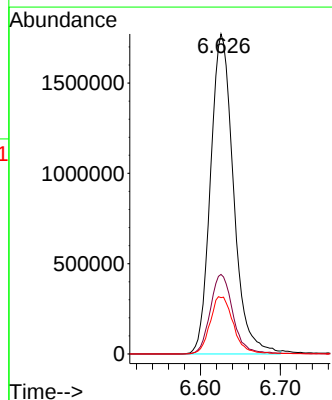
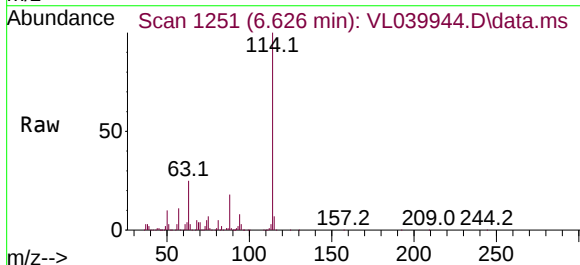
Instrument :
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ClientSampleId :
TPC-1ADL

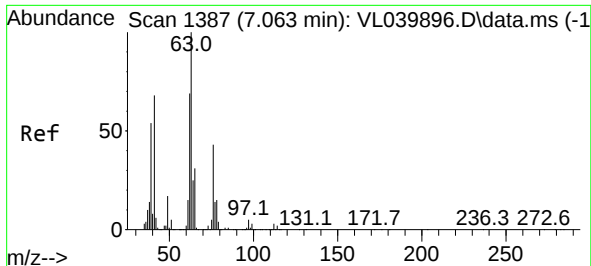
Tgt Ion: 57 Resp: 107509
Ion Ratio Lower Upper
57 100
41 93.6 72.3 108.5
43 112.9 188.7 283.1#
56 54.3 42.4 63.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.626 min Scan# 1251
Delta R.T. -0.010 min
Lab File: VL039944.D
Acq: 1 Dec 2022 16:23

Tgt Ion:114 Resp: 3530131
Ion Ratio Lower Upper
114 100
63 24.8 21.4 32.0
88 18.3 15.3 22.9





#39

1,2-Dichloropropane

Concen: 7.385 ppbv

RT: 6.626 min Scan# 1

Delta R.T. -0.431 min

Lab File: VL039944.D

Acq: 1 Dec 2022 16:23

Instrument :

MSVOA_L

ClientSampleId :

TPC-1ADL

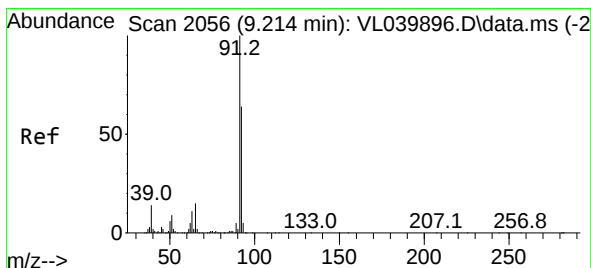
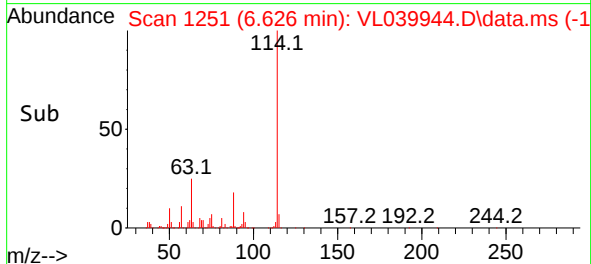
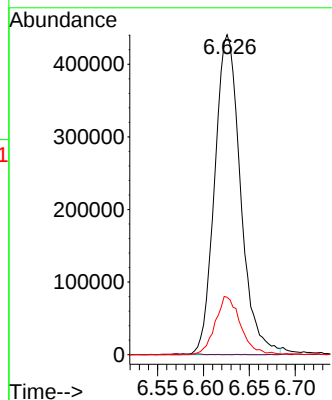
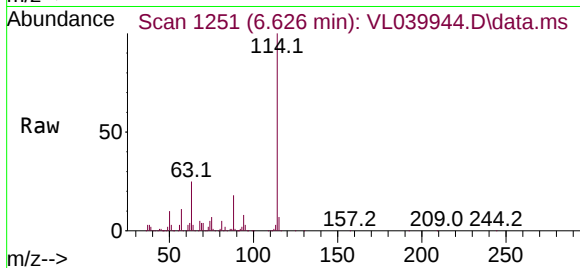
Tgt Ion: 63 Resp: 863328

Ion Ratio Lower Upper

63 100

41 0.0 54.7 82.1#

62 18.0 55.0 82.6#



#53

Toluene

Concen: 0.156 ppbv

RT: 9.198 min Scan# 2051

Delta R.T. -0.007 min

Lab File: VL039944.D

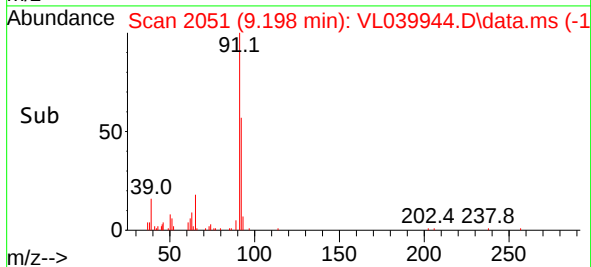
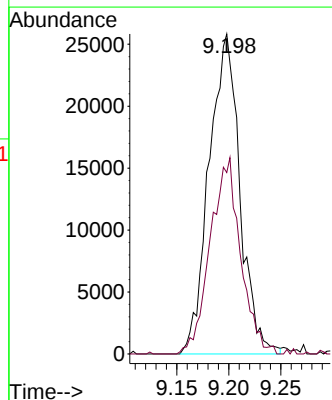
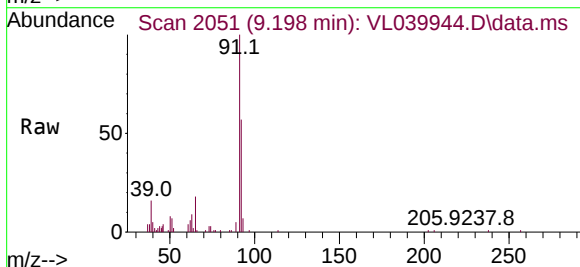
Acq: 1 Dec 2022 16:23

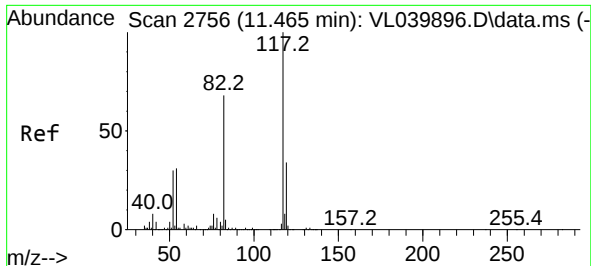
Tgt Ion: 91 Resp: 53344

Ion Ratio Lower Upper

91 100

92 60.6 49.8 74.6

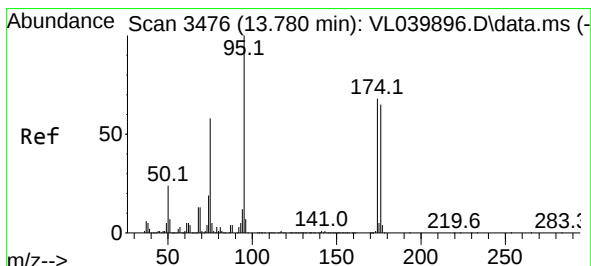
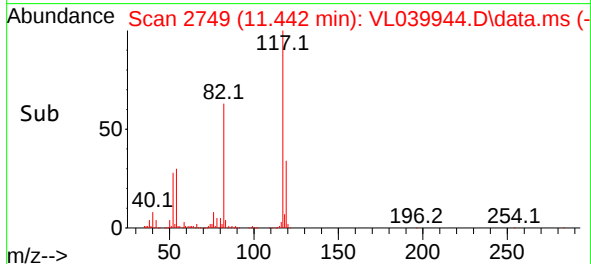
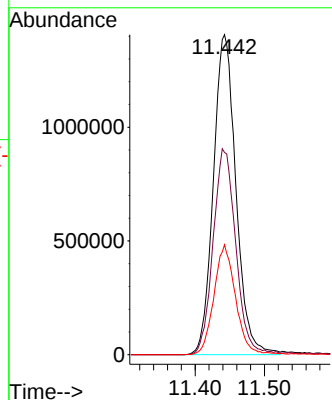
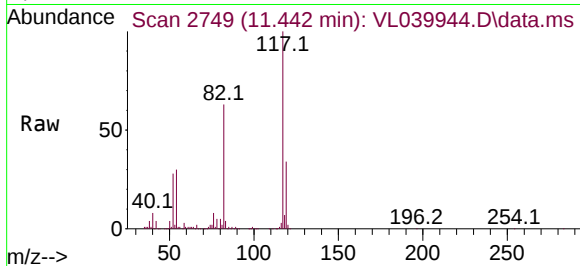




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL039944.D
Acq: 1 Dec 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
TPC-1ADL

Tgt Ion:117 Resp: 3187443
Ion Ratio Lower Upper
117 100
82 65.6 52.3 78.5
119 33.2 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.521 ppbv
RT: 13.754 min Scan# 3468
Delta R.T. -0.010 min
Lab File: VL039944.D
Acq: 1 Dec 2022 16:23

Tgt Ion: 95 Resp: 2561430
Ion Ratio Lower Upper
95 100
174 62.5 53.7 80.5
175 4.4 4.0 6.0

