

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110322\
 Data File : VL039824.D
 Acq On : 3 Nov 2022 13:46
 Operator : SY/AP
 Sample : N5409-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E062-1100DL

Quant Time: Nov 04 08:43:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 03 09:27:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1061598	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2907247	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2662859	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	2063791	10.354	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.500%
Target Compounds						Qvalue
4) Chloromethane	2.822	50	285983	3.629	ppbv	96
9) Propene	2.706	41	542560	8.228	ppbv	99
10) Heptane	7.565	43	1503962	9.521	ppbv	99
13) Ethanol	3.266	45	3404	0.730	ppbv #	37
15) Acetone	3.488	43	99870	0.773	ppbv	92
16) 1,3-Butadiene	2.706	39	449647	7.482	ppbv #	5
20) Methylene Chloride	3.938	84	82015	1.774	ppbv	96
25) Ethyl Acetate	5.205	43	39219	0.147	ppbv #	75
26) Hexane	5.211	57	57580	0.485	ppbv #	40
30) Cyclohexane	6.590	84	492497	4.963	ppbv	98
36) Benzene	6.359	78	2309871	9.419	ppbv	100
39) 1,2-Dichloropropane	7.060	63	607387	6.357	ppbv	98
44) 2,2,4-Trimethylpentane	7.568	57	740954	1.790	ppbv #	1
49) Bromoform	12.388	173	908355	6.855	ppbv	98
57) Chlorobenzene	11.507	112	894827	4.430	ppbv	99
58) Ethyl Benzene	12.359	91	1946458	5.406	ppbv #	72
59) m/p-Xylene	12.359	91	1946458	6.476	ppbv	96
60) o-Xylene	13.037	91	2155772	7.571	ppbv	99
61) Styrene	13.040	104	46750	0.267	ppbv #	1

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

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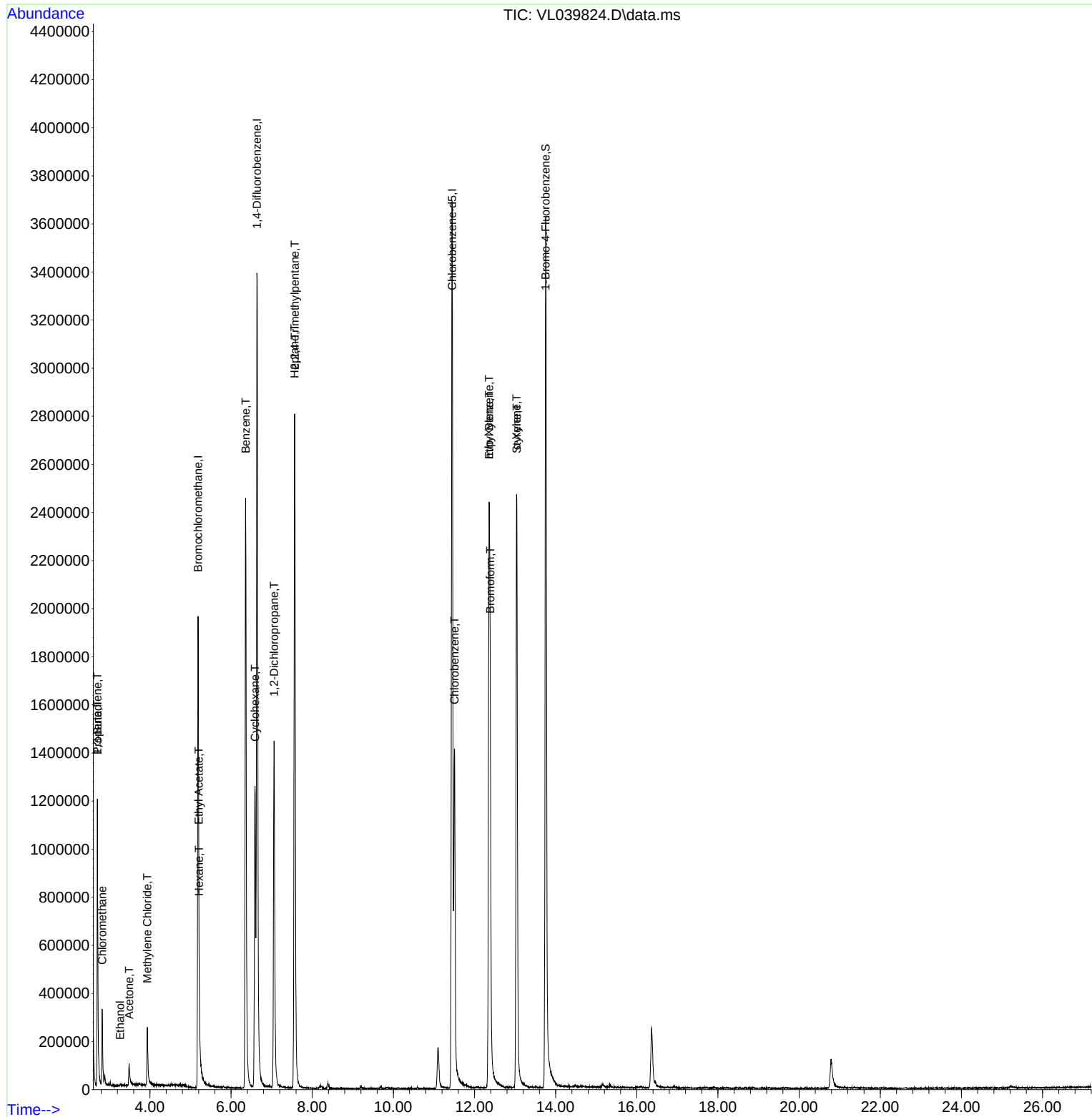
Quant Time: Nov 04 08:43:53 2022

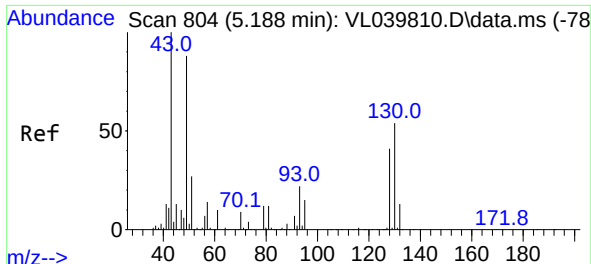
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

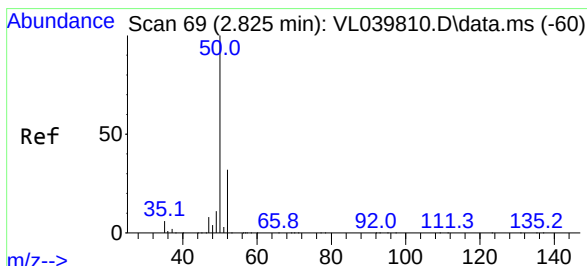
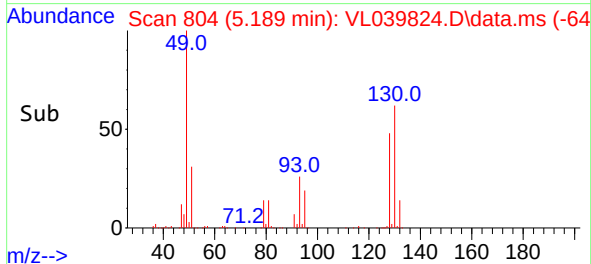
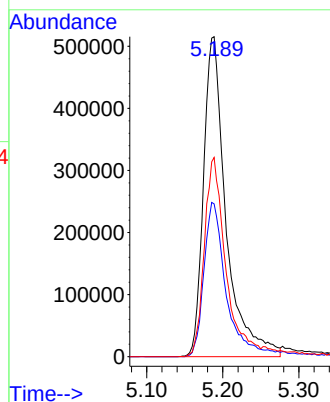
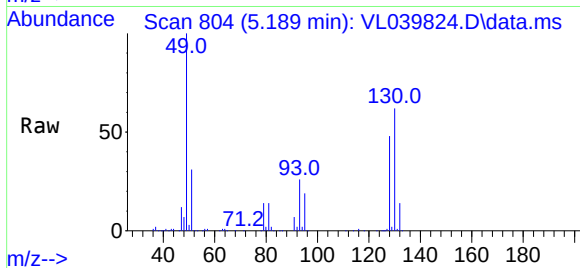




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.001 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

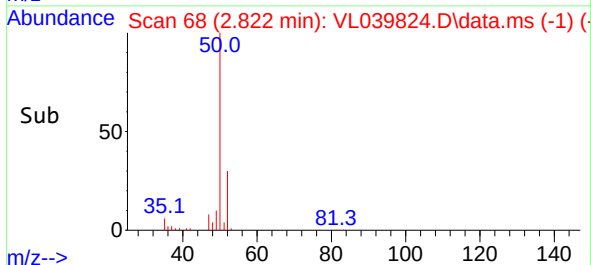
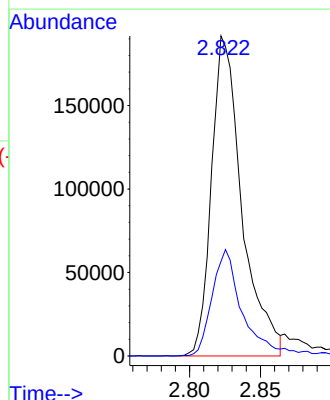
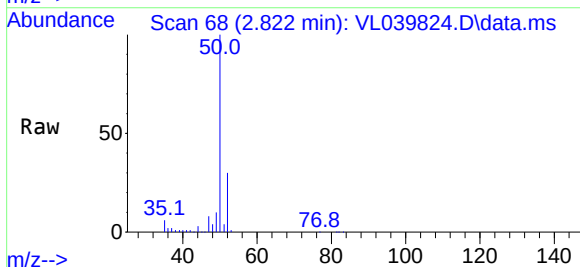
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

Tgt Ion: 49 Resp: 1061598
Ion Ratio Lower Upper
49 100
128 49.4 24.6 73.6
130 62.3 31.1 93.2

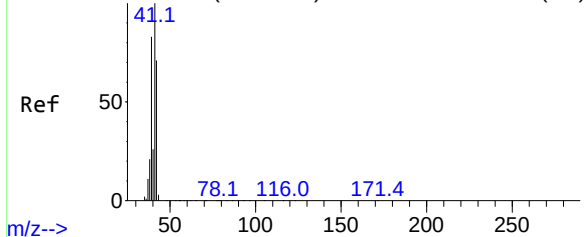


#4
Chloromethane
Concen: 3.629 ppbv
RT: 2.822 min Scan# 68
Delta R.T. -0.003 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

Tgt Ion: 50 Resp: 285983
Ion Ratio Lower Upper
50 100
52 29.4 25.5 38.3



Abundance Scan 32 (2.706 min): VL039810.D\data.ms (-24)



#9

Propene

Concen: 8.228 ppbv

RT: 2.706 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL039824.D

Acq: 3 Nov 2022 13:46

Instrument :

MSVOA_1

ClientSampleId :

E062-1100DL

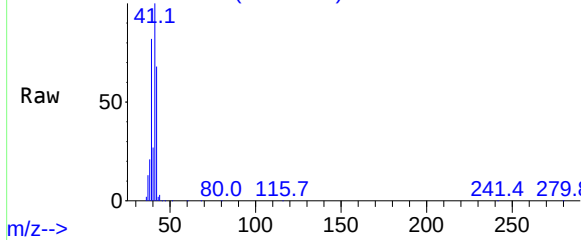
Tgt Ion: 41 Resp: 542560

Ion Ratio Lower Upper

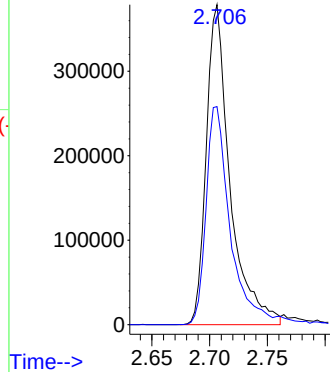
41 100

42 71.5 56.3 84.5

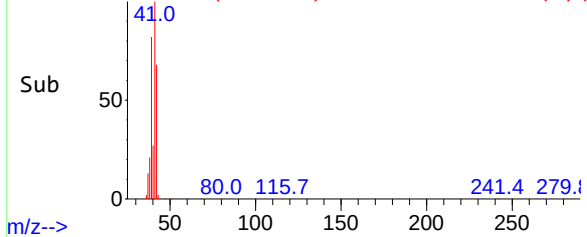
Abundance Scan 32 (2.706 min): VL039824.D\data.ms



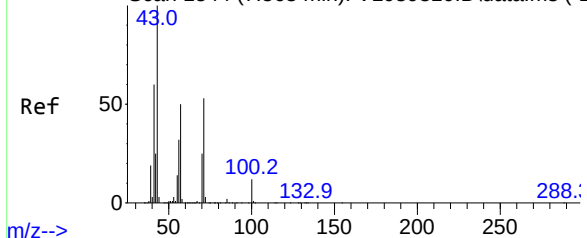
Abundance



Abundance Scan 32 (2.706 min): VL039824.D\data.ms (-1)



Abundance Scan 1544 (7.568 min): VL039810.D\data.ms (-1)



#10

Heptane

Concen: 9.521 ppbv

RT: 7.565 min Scan# 1543

Delta R.T. -0.003 min

Lab File: VL039824.D

Acq: 3 Nov 2022 13:46

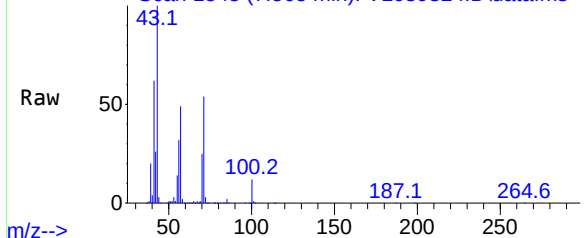
Tgt Ion: 43 Resp: 1503962

Ion Ratio Lower Upper

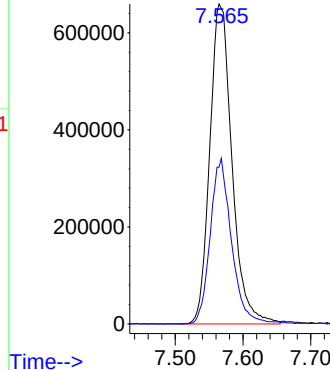
43 100

57 49.7 40.5 60.7

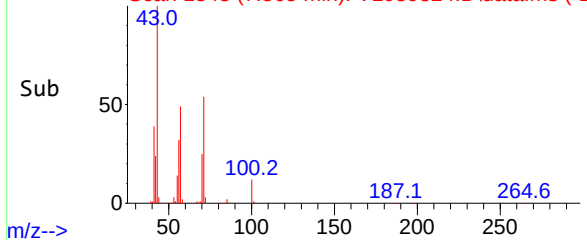
Abundance Scan 1543 (7.565 min): VL039824.D\data.ms

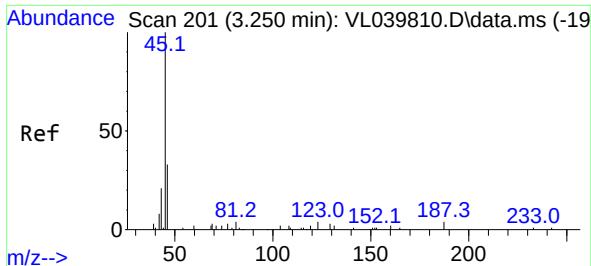


Abundance



Abundance Scan 1543 (7.565 min): VL039824.D\data.ms (-1)

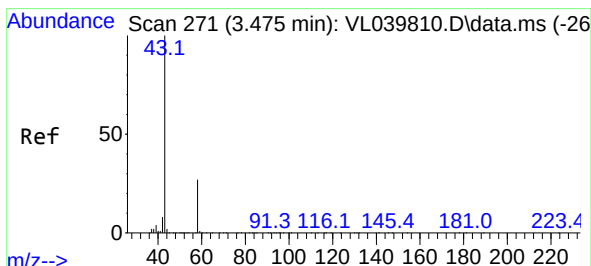
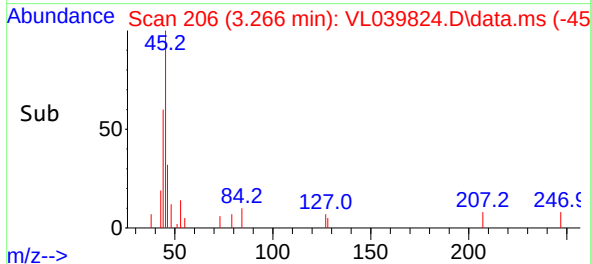
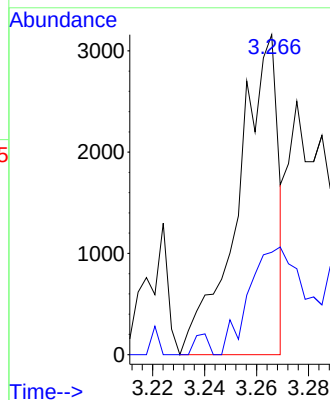
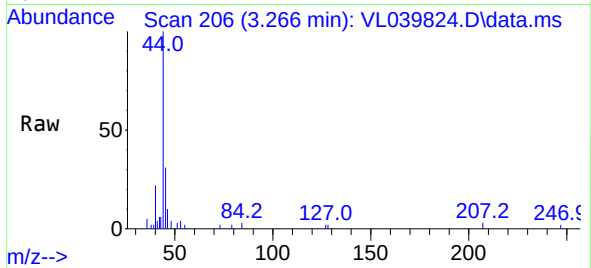




#13
Ethanol
Concen: 0.730 ppbv
RT: 3.266 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

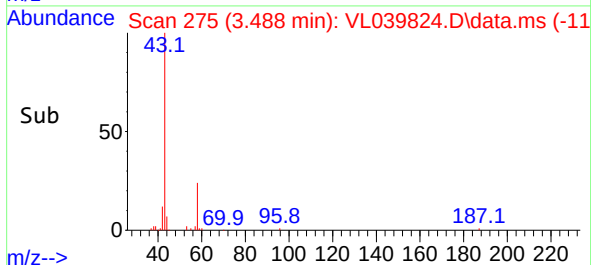
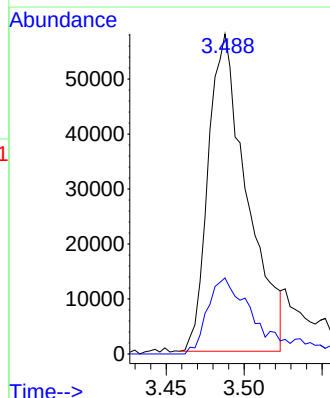
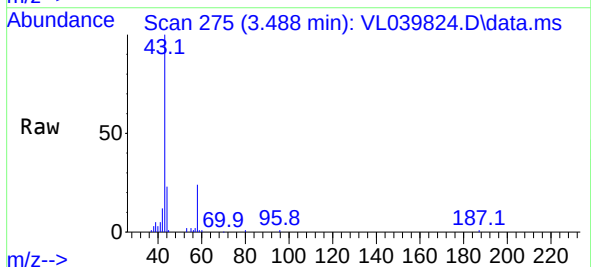
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

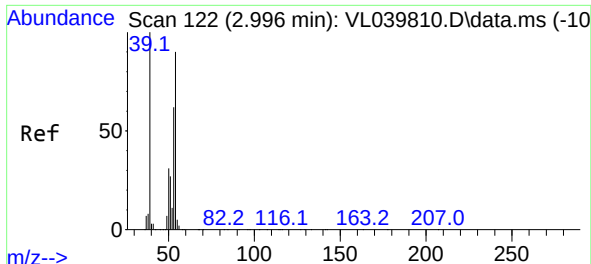
Tgt Ion: 45 Resp: 3404
Ion Ratio Lower Upper
45 100
46 80.8 16.5 65.9#



#15
Acetone
Concen: 0.773 ppbv
RT: 3.488 min Scan# 275
Delta R.T. 0.013 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

Tgt Ion: 43 Resp: 99870
Ion Ratio Lower Upper
43 100
58 33.2 23.2 34.8





#16

1,3-Butadiene

Concen: 7.482 ppbv

RT: 2.706 min Scan# 31

Delta R.T. -0.289 min

Lab File: VL039824.D

Acq: 3 Nov 2022 13:46

Instrument :

MSVOA_L

ClientSampleId :

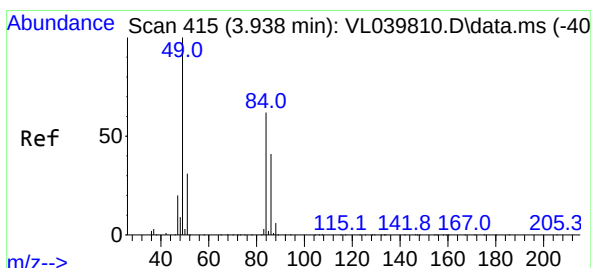
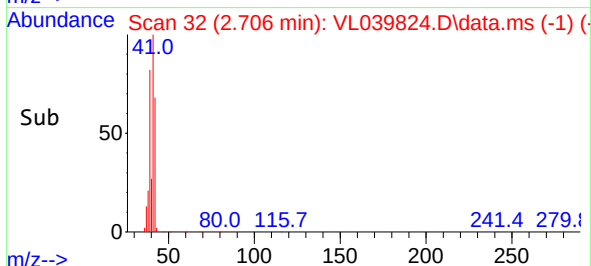
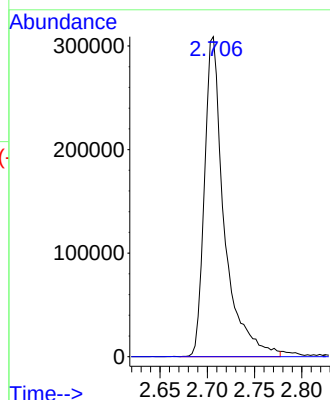
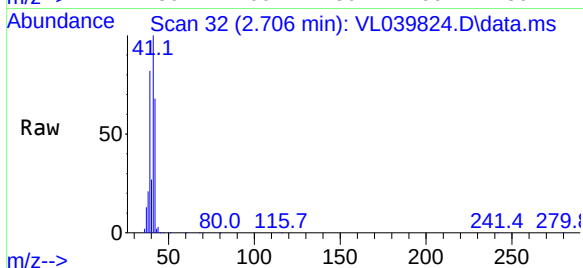
E062-1100DL

Tgt Ion: 39 Resp: 449647

Ion Ratio Lower Upper

39 100

54 0.0 71.0 106.4#



#20

Methylene Chloride

Concen: 1.774 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.000 min

Lab File: VL039824.D

Acq: 3 Nov 2022 13:46

Tgt Ion: 84 Resp: 82015

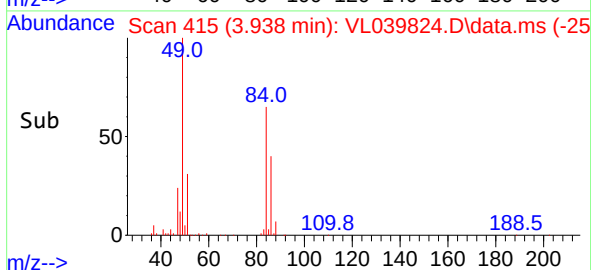
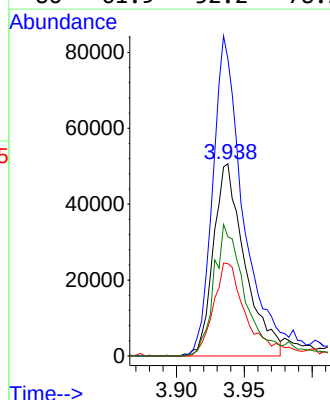
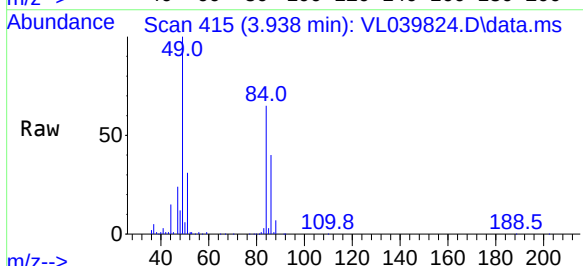
Ion Ratio Lower Upper

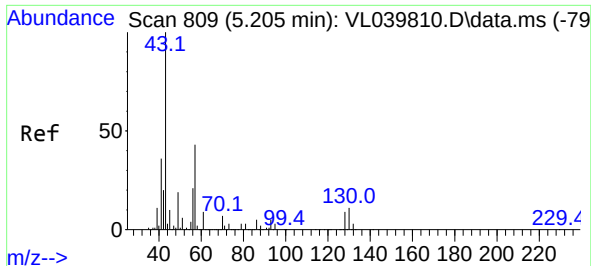
84 100

49 154.5 128.6 192.8

51 48.0 40.2 60.4

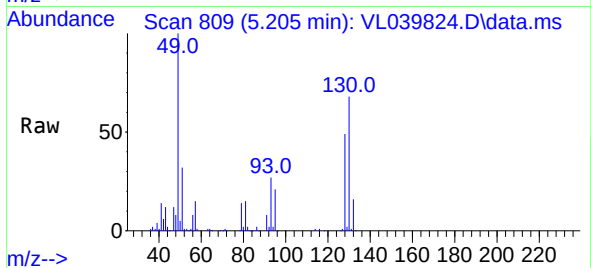
86 61.9 52.2 78.2





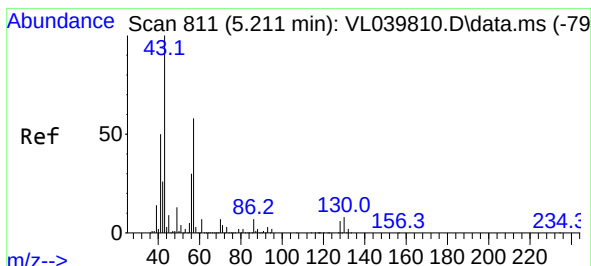
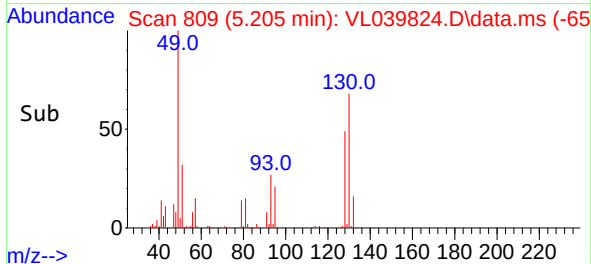
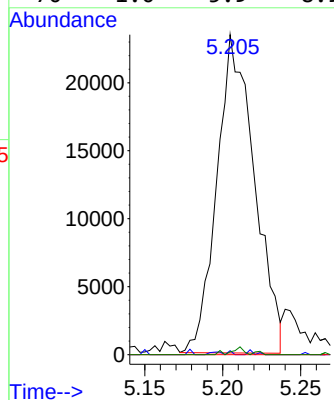
#25
Ethyl Acetate
Concen: 0.147 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.000 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

Instrument :
MSVOA_1
ClientSampleId :
E062-1100DL



Tgt Ion: 43 Resp: 39219

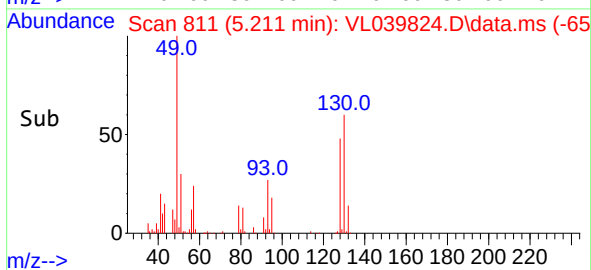
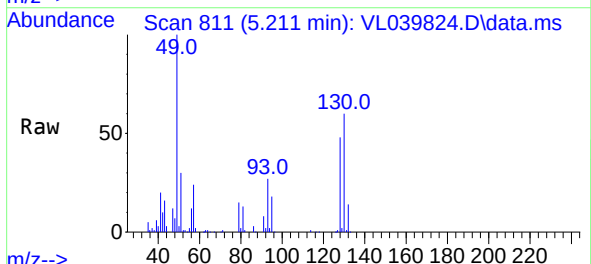
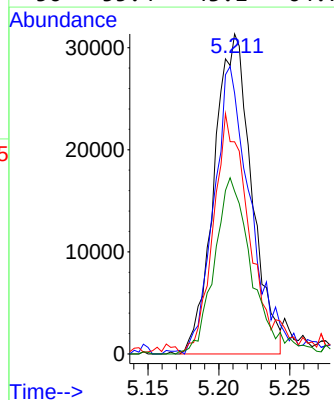
Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.2	12.2#
61	0.0	8.1	12.1#
70	1.0	5.9	8.9#

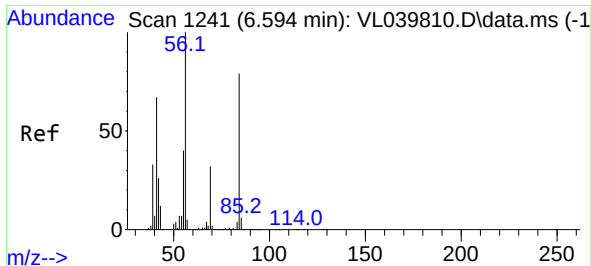


#26
Hexane
Concen: 0.485 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

Tgt Ion: 57 Resp: 57580

Ion	Ratio	Lower	Upper
57	100		
41	94.4	73.7	110.5
43	75.7	189.8	284.8#
56	55.4	43.1	64.7

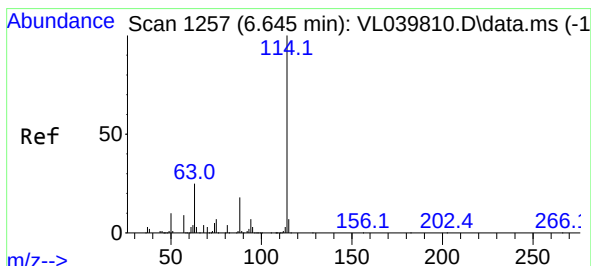
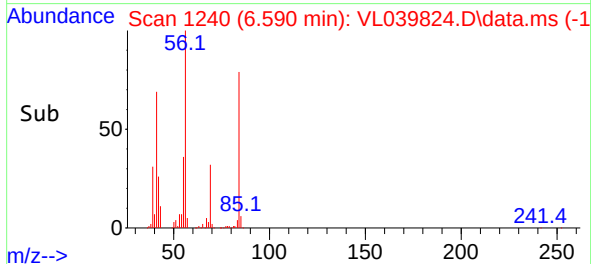
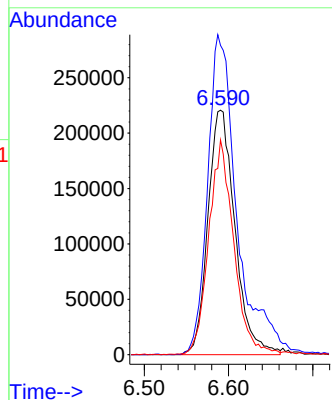
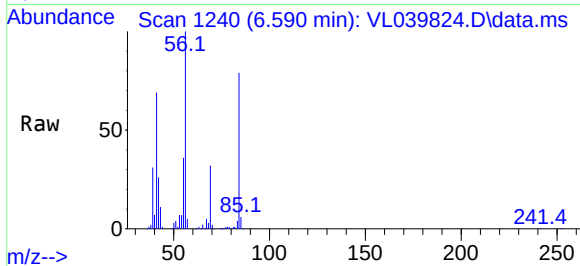




#30
Cyclohexane
Concen: 4.963 ppbv
RT: 6.590 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

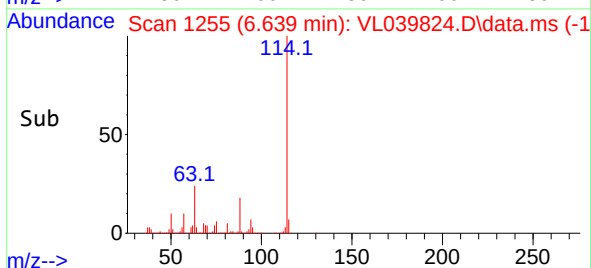
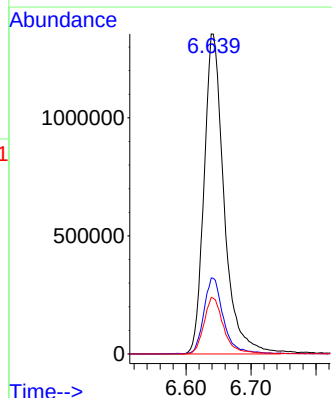
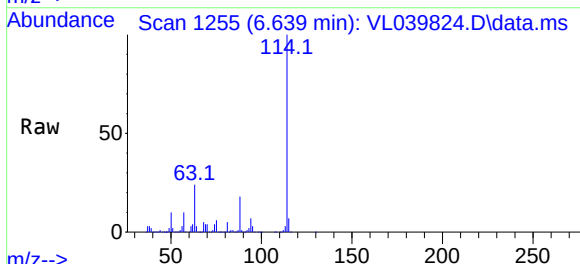
Instrument :
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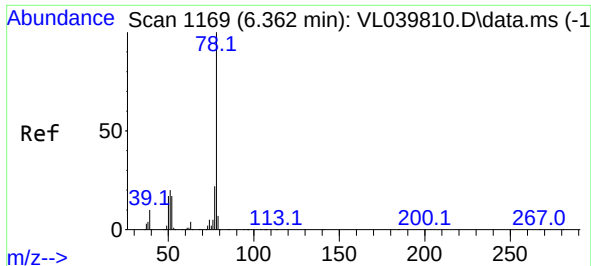
Tgt Ion: 84 Resp: 492497
Ion Ratio Lower Upper
84 100
56 143.4 114.8 172.2
41 82.1 68.6 103.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.006 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

Tgt Ion: 114 Resp: 2907247
Ion Ratio Lower Upper
114 100
63 23.6 19.8 29.6
88 17.5 14.4 21.6

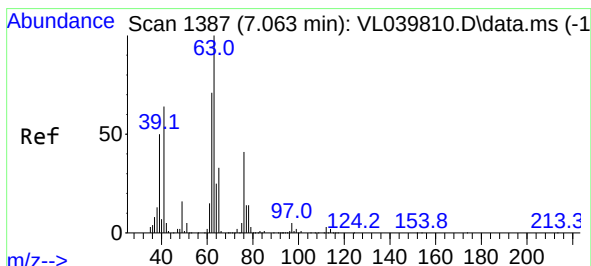
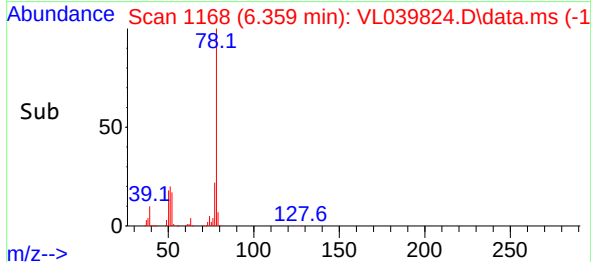
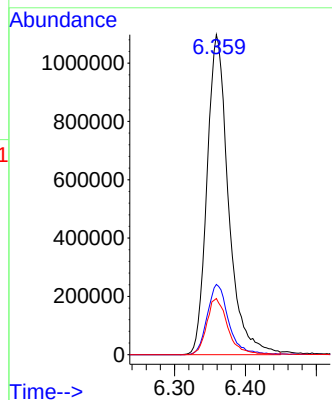
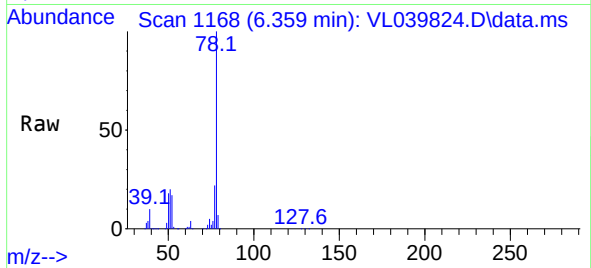




#36
Benzene
Concen: 9.419 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

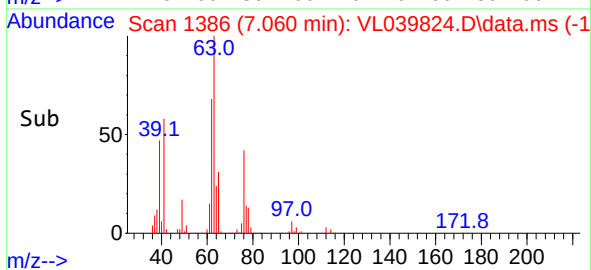
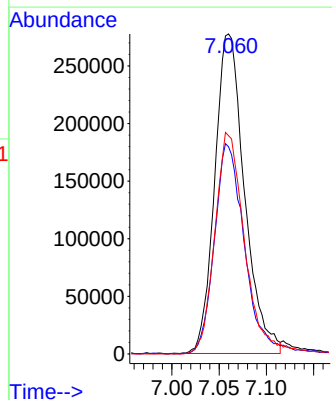
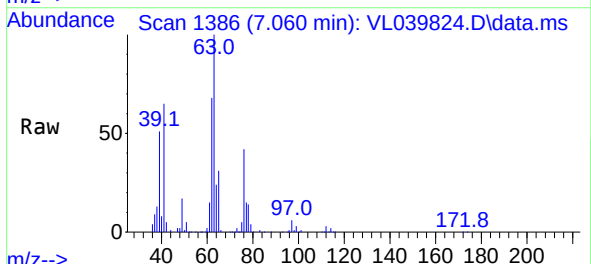
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

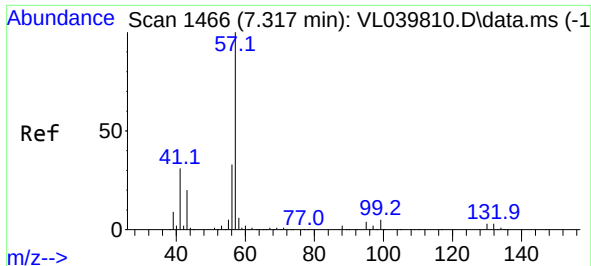
Tgt Ion: 78 Resp: 2309871
Ion Ratio Lower Upper
78 100
77 21.9 17.4 26.2
50 17.5 13.9 20.9



#39
1,2-Dichloropropane
Concen: 6.357 ppbv
RT: 7.060 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

Tgt Ion: 63 Resp: 607387
Ion Ratio Lower Upper
63 100
41 64.8 51.0 76.4
62 68.3 56.6 85.0

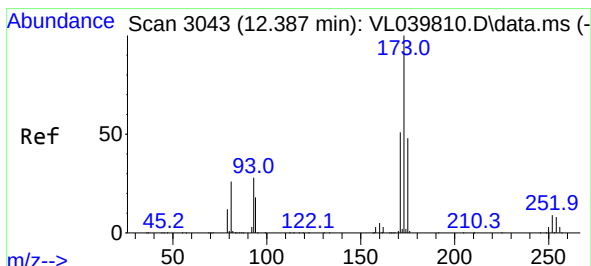
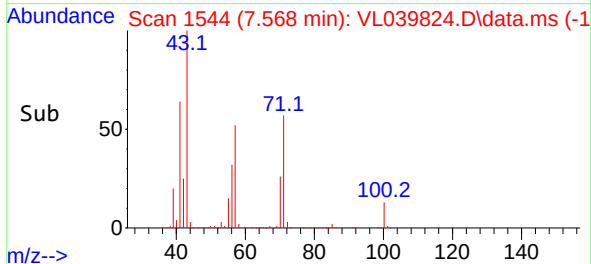
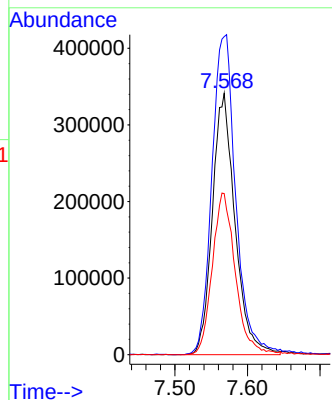
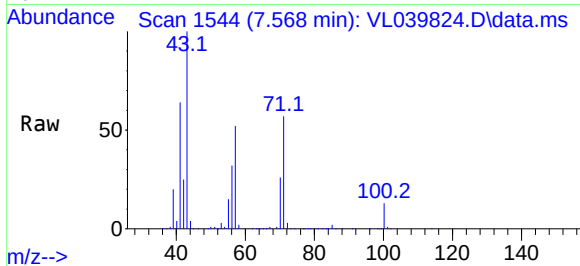




#44
2,2,4-Trimethylpentane
Concen: 1.790 ppbv
RT: 7.568 min Scan# 11
Delta R.T. 0.251 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

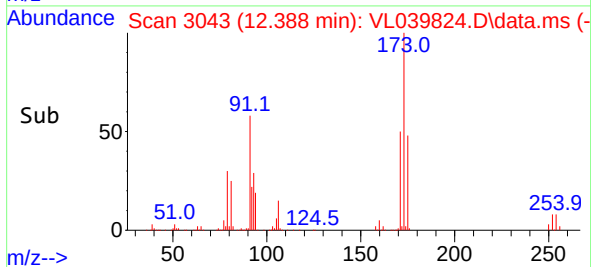
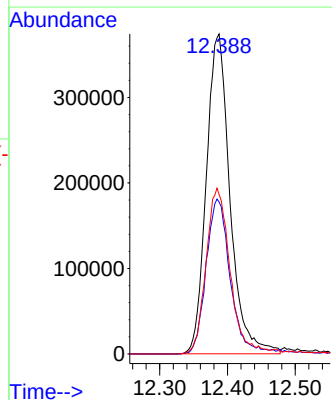
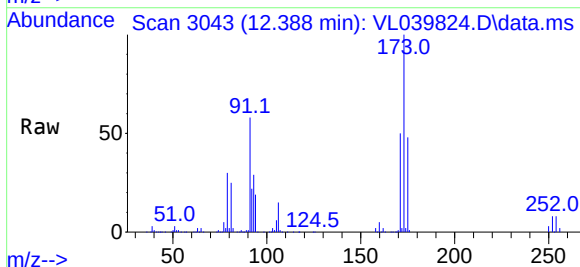
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

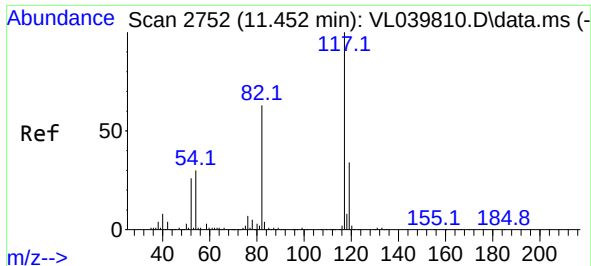
Tgt Ion: 57 Resp: 740954
Ion Ratio Lower Upper
57 100
41 130.3 24.6 36.8#
56 63.5 25.4 38.0#



#49
Bromoform
Concen: 6.855 ppbv
RT: 12.388 min Scan# 3043
Delta R.T. 0.000 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

Tgt Ion: 173 Resp: 908355
Ion Ratio Lower Upper
173 100
175 50.6 39.7 59.5
171 53.5 41.7 62.5

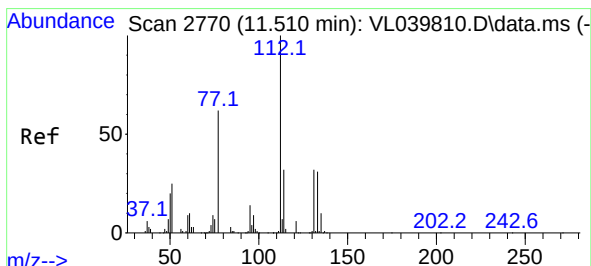
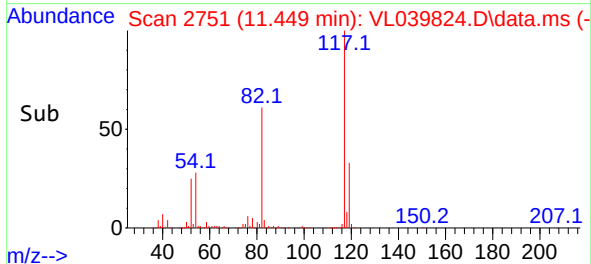
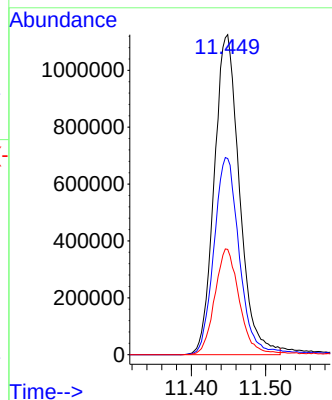
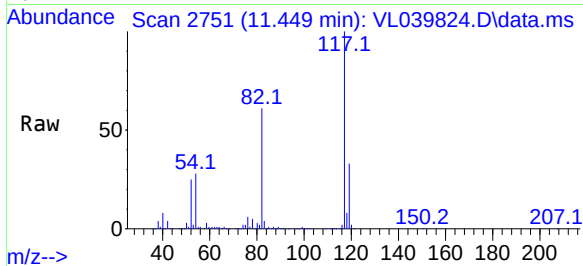




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

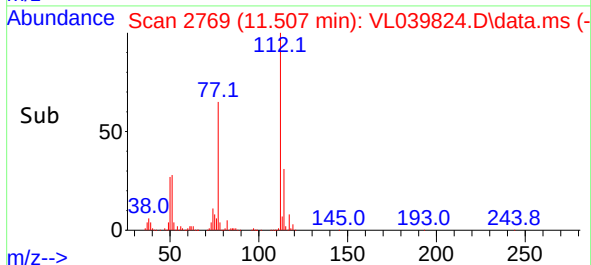
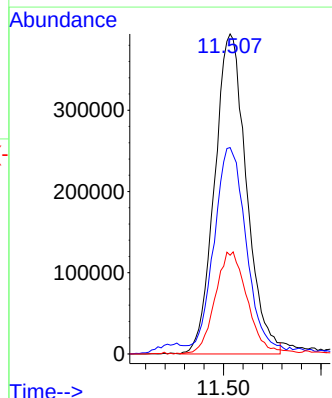
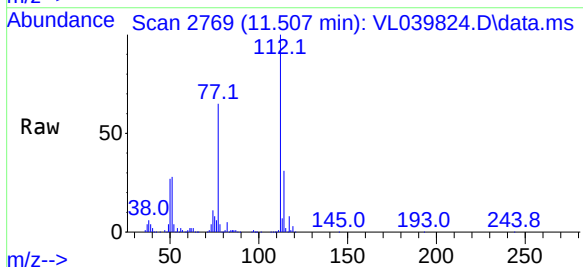
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

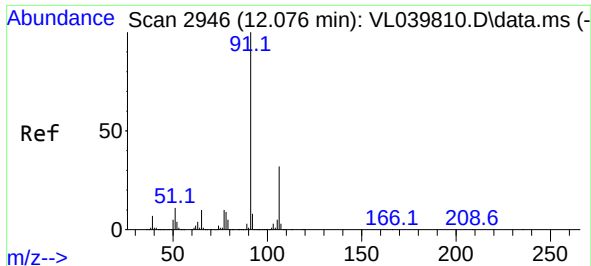
Tgt Ion:117 Resp: 2662859
Ion Ratio Lower Upper
117 100
82 63.1 51.0 76.6
119 33.0 24.7 37.1



#57
Chlorobenzene
Concen: 4.430 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. -0.003 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

Tgt Ion:112 Resp: 894827
Ion Ratio Lower Upper
112 100
77 61.8 49.8 74.6
114 30.7 29.0 35.4

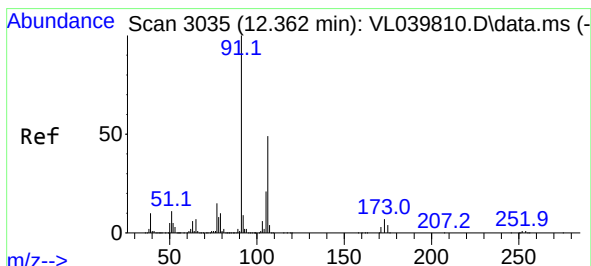
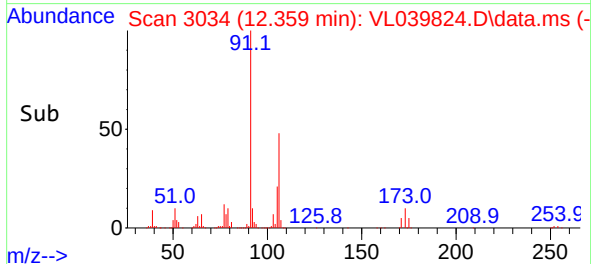
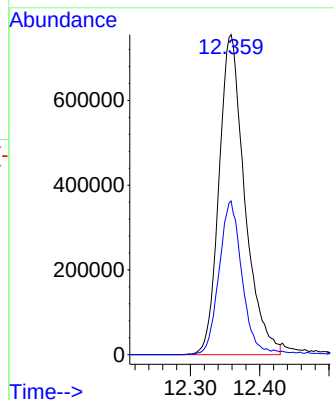
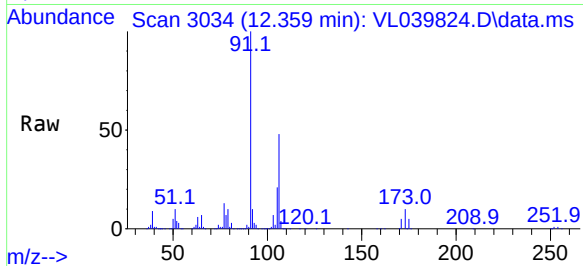




#58
Ethyl Benzene
Concen: 5.406 ppbv
RT: 12.359 min Scan# 3034
Delta R.T. 0.283 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

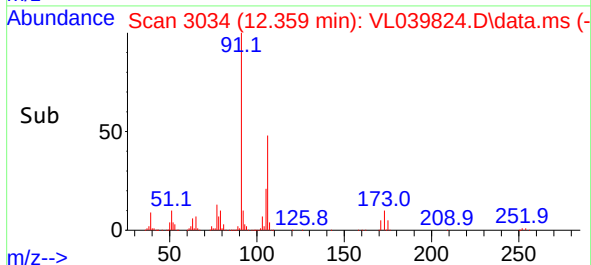
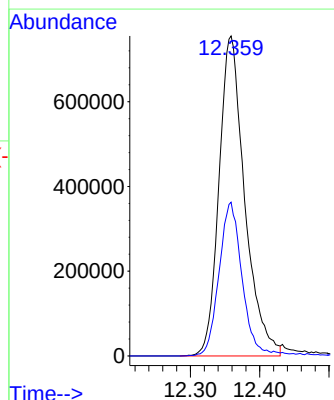
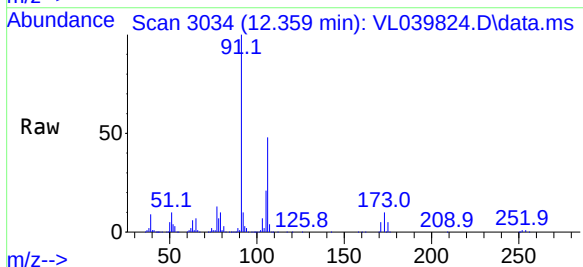
Instrument :
MSVOA_L
ClientSampleId :
E062-1100DL

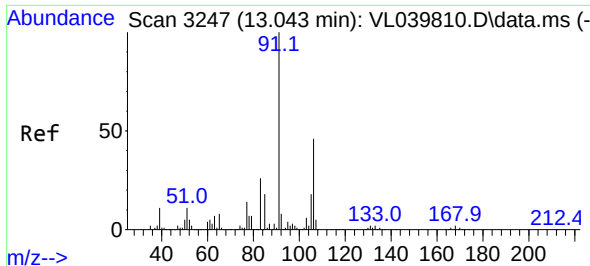
Tgt Ion: 91 Resp: 1946458
Ion Ratio Lower Upper
91 100
106 48.0 25.9 38.9#



#59
m/p-Xylene
Concen: 6.476 ppbv
RT: 12.359 min Scan# 3034
Delta R.T. -0.003 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

Tgt Ion: 91 Resp: 1946458
Ion Ratio Lower Upper
91 100
106 44.4 37.6 56.4

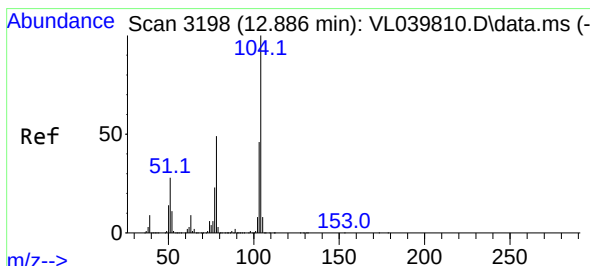
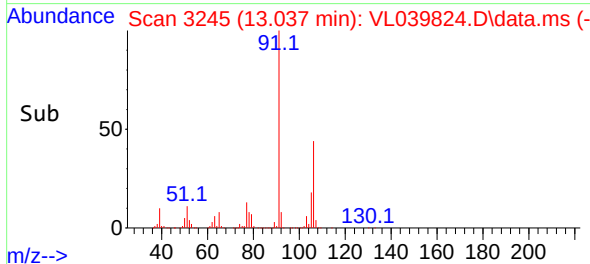
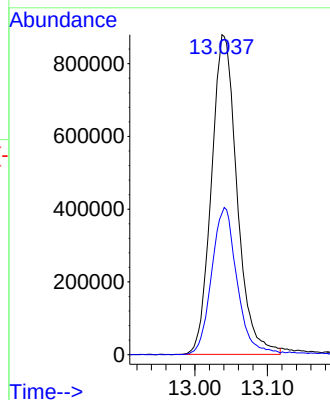
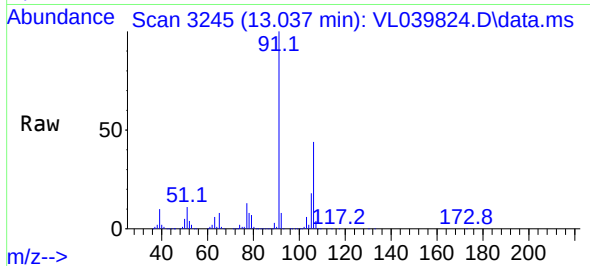




#60
o-Xylene
Concen: 7.571 ppbv
RT: 13.037 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

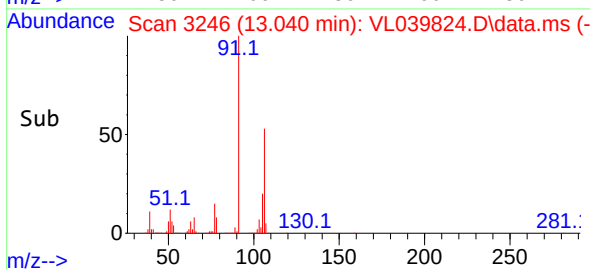
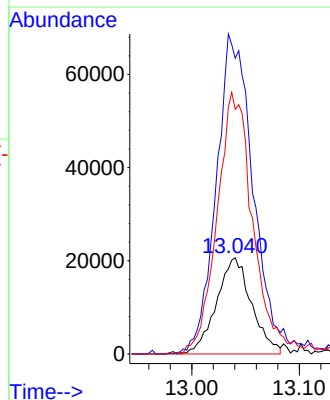
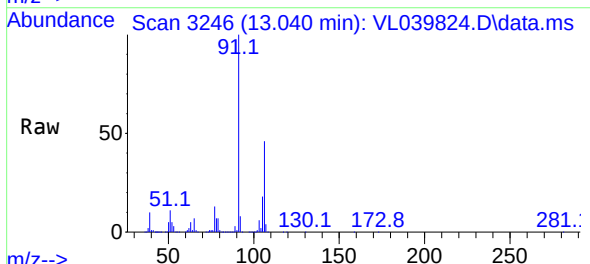
Instrument :
MSVOA_1
ClientSampleId :
E062-1100DL

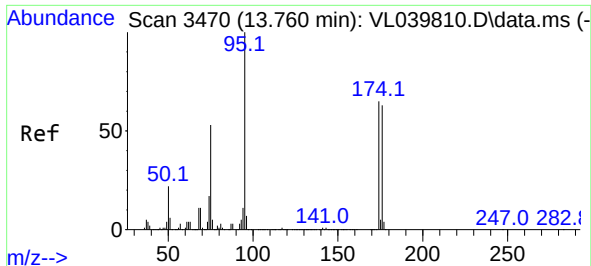
Tgt Ion: 91 Resp: 2155772
Ion Ratio Lower Upper
91 100
106 46.8 23.6 70.8



#61
Styrene
Concen: 0.267 ppbv
RT: 13.040 min Scan# 3246
Delta R.T. 0.155 min
Lab File: VL039824.D
Acq: 3 Nov 2022 13:46

Tgt Ion: 104 Resp: 46750
Ion Ratio Lower Upper
104 100
78 359.3 40.2 60.2#
103 282.7 37.5 56.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.354 ppbv

RT: 13.754 min Scan# 34

Delta R.T. -0.006 min

Lab File: VL039824.D

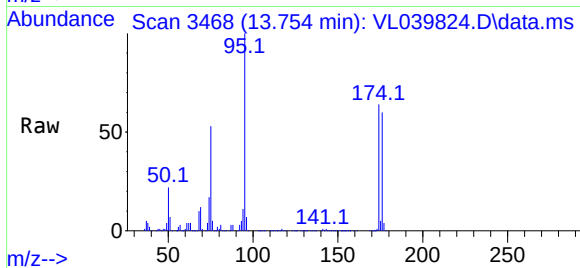
Acq: 3 Nov 2022 13:46

Instrument :

MSVOA_L

ClientSampleId :

E062-1100DL



Tgt Ion: 95 Resp: 2063791

Ion Ratio Lower Upper

95 100

174 64.8 53.4 80.0

175 4.5 4.1 6.1

