

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110922\
 Data File : VL039855.D
 Acq On : 9 Nov 2022 19:31
 Operator : SY/AP
 Sample : N5527-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10604-OUTSIDEDL

Quant Time: Nov 10 03:51:11 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

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

Internal Standards						
1) Bromochloromethane	5.175	49	999805	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.629	114	2315444	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.432	117	2096588	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1680569	10.709	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.100%

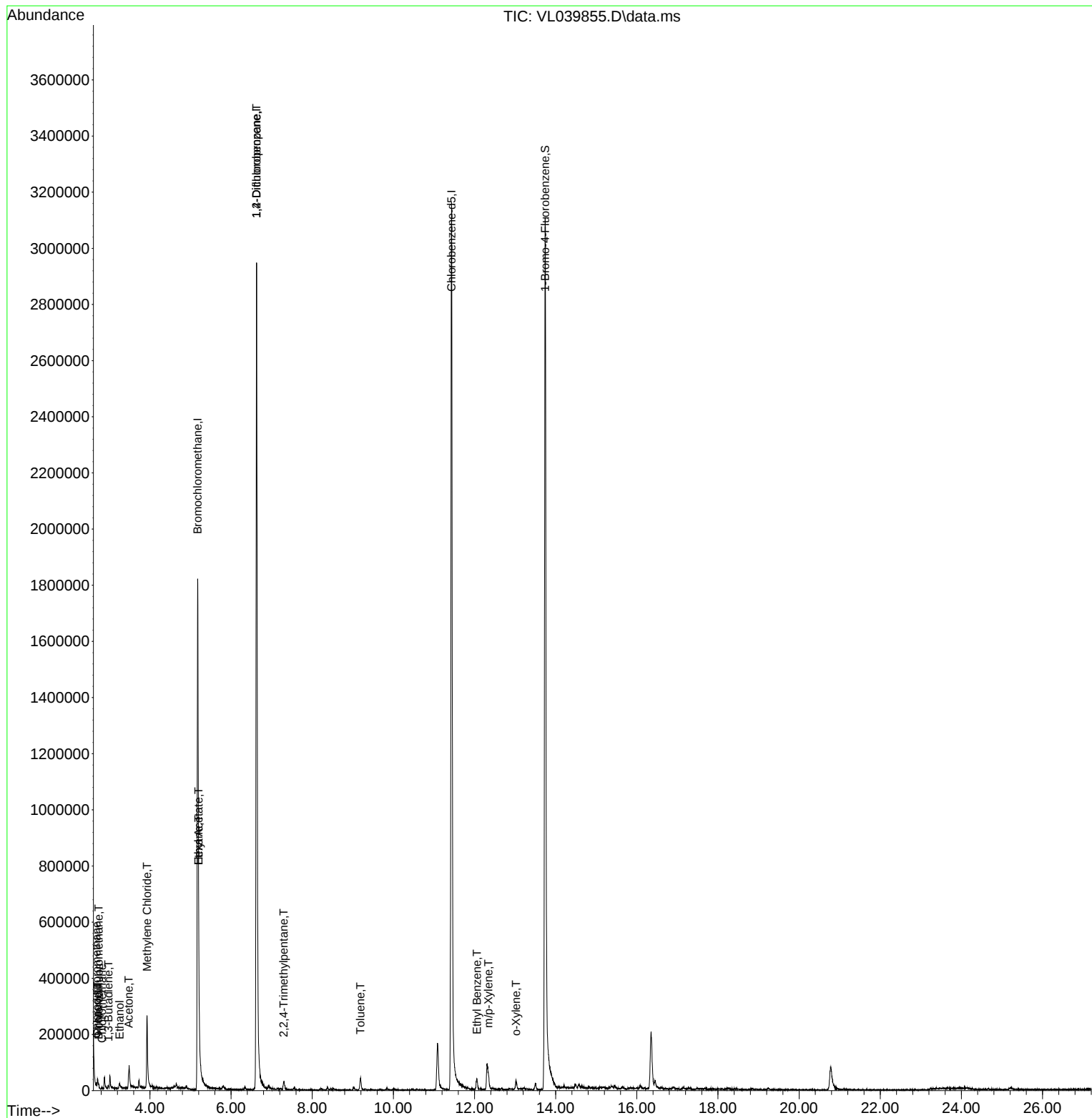
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	7084	0.042	ppbv #	88
3) Chlorodifluoromethane	2.680	51	18660	0.157	ppbv	100
4) Chloromethane	2.819	50	3980	0.054	ppbv #	84
9) Propene	2.709	41	7767	0.125	ppbv	87
13) Ethanol	3.253	45	18809	4.285	ppbv	100
15) Acetone	3.475	43	44143	0.363	ppbv	90
16) 1,3-Butadiene	2.976	39	1944	0.034	ppbv #	5
20) Methylene Chloride	3.931	84	89856	2.064	ppbv	90
25) Ethyl Acetate	5.201	43	62073	0.248	ppbv #	77
26) Hexane	5.201	57	88895	0.795	ppbv #	40
39) 1,2-Dichloropropane	6.629	63	615211	8.084	ppbv #	27
44) 2,2,4-Trimethylpentane	7.294	57	11081	0.034	ppbv #	1
53) Toluene	9.188	91	18121	0.081	ppbv #	66
58) Ethyl Benzene	12.059	91	21523	0.076	ppbv #	75
59) m/p-Xylene	12.339	91	22567	0.095	ppbv #	30
60) o-Xylene	13.024	91	22232	0.099	ppbv	98

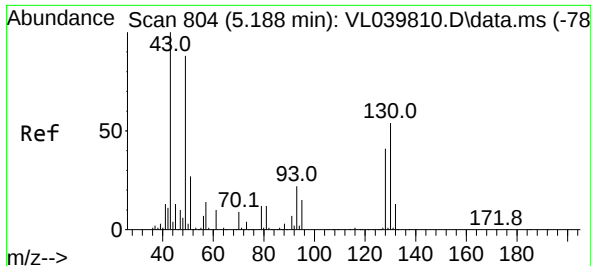
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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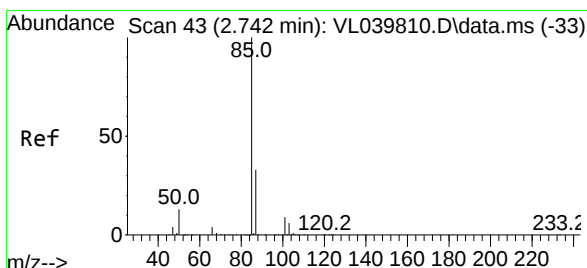
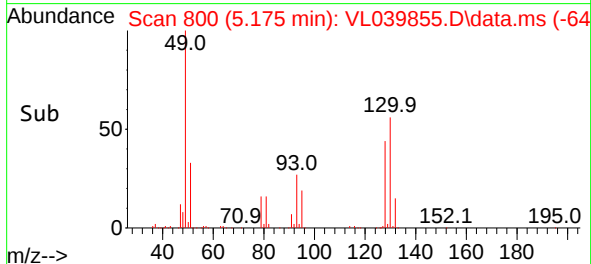
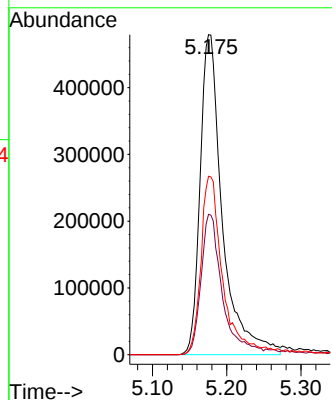
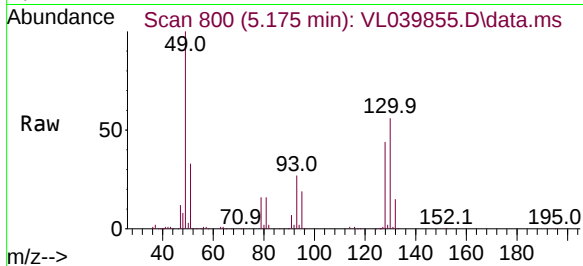




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.175 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

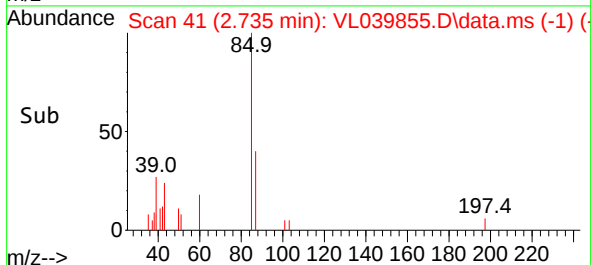
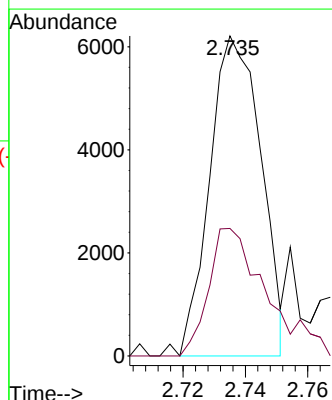
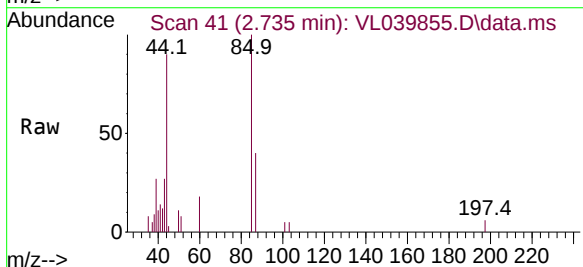
Instrument :
MSVOA_L
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10604-OUTSIDEDL

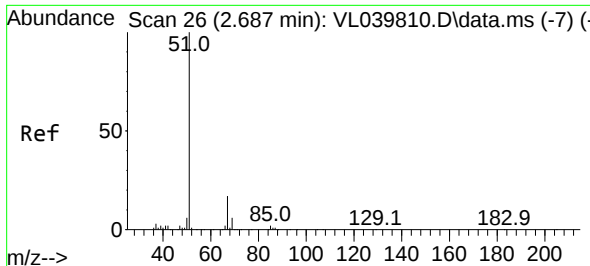
Tgt Ion: 49 Resp: 999805
Ion Ratio Lower Upper
49 100
128 44.4 24.6 73.6
130 57.0 31.1 93.2



#2
Dichlorodifluoromethane
Concen: 0.042 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

Tgt Ion: 85 Resp: 7084
Ion Ratio Lower Upper
85 100
87 39.9 26.4 39.6#

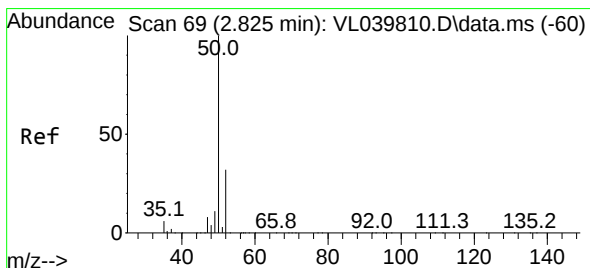
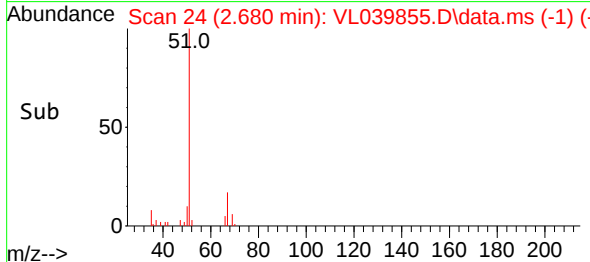
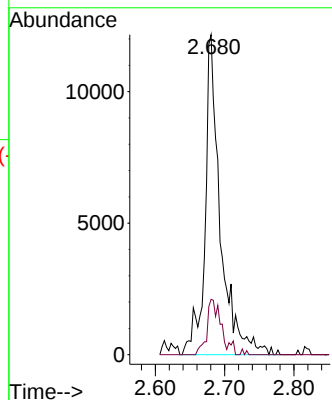
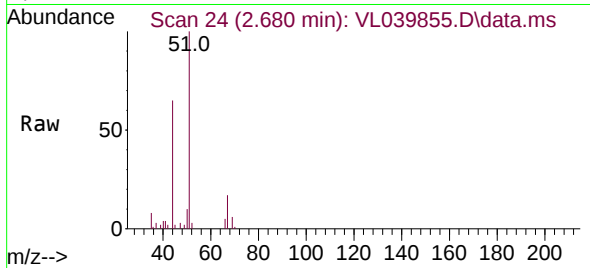




#3
Chlorodifluoromethane
Concen: 0.157 ppbv
RT: 2.680 min Scan# 24
Delta R.T. -0.007 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

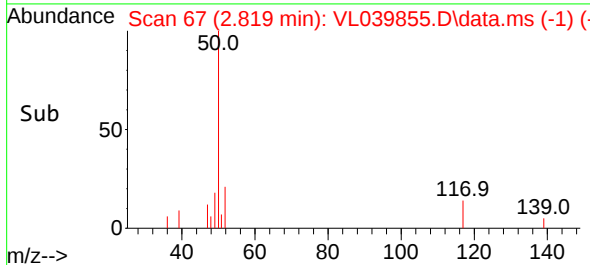
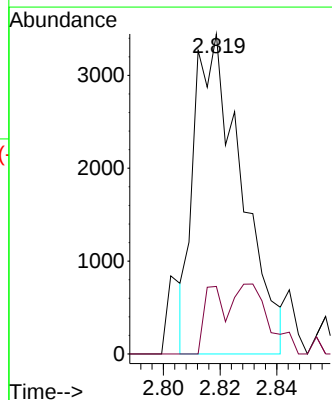
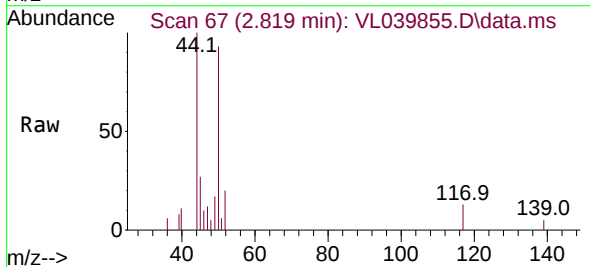
Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDEDL

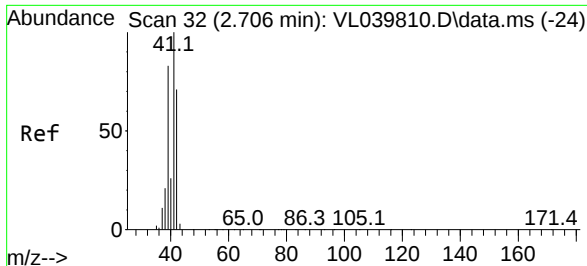
Tgt Ion: 51 Resp: 18660
Ion Ratio Lower Upper
51 100
67 16.5 13.2 19.8



#4
Chloromethane
Concen: 0.054 ppbv
RT: 2.819 min Scan# 67
Delta R.T. -0.007 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

Tgt Ion: 50 Resp: 3980
Ion Ratio Lower Upper
50 100
52 22.9 25.5 38.3#





#9

Propene

Concen: 0.125 ppbv

RT: 2.709 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL039855.D

Acq: 9 Nov 2022 19:31

Instrument :

MSVOA_L

ClientSampleId :

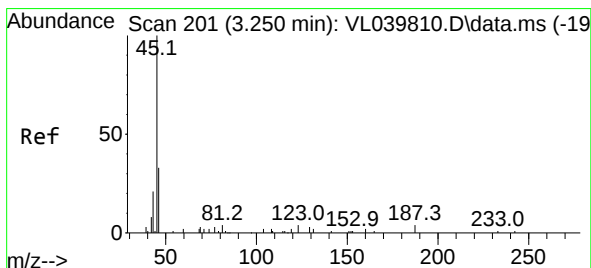
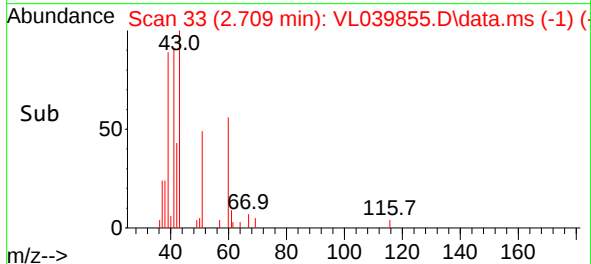
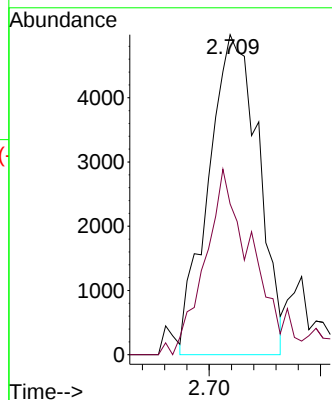
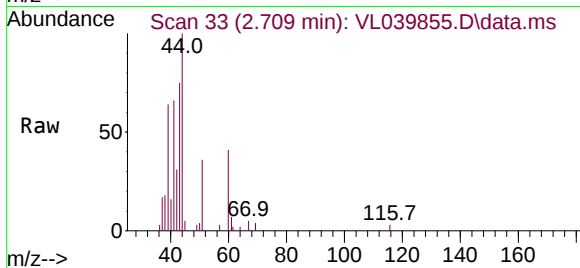
10604-OUTSIDEDL

Tgt Ion: 41 Resp: 7767

Ion Ratio Lower Upper

41 100

42 60.1 56.3 84.5



#13

Ethanol

Concen: 4.285 ppbv

RT: 3.253 min Scan# 202

Delta R.T. 0.003 min

Lab File: VL039855.D

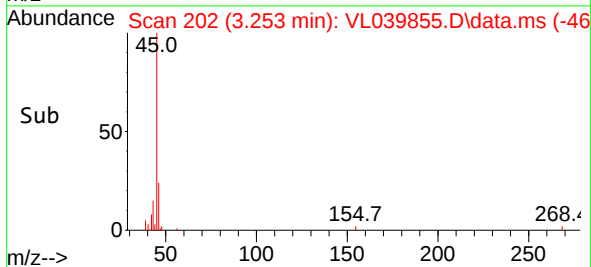
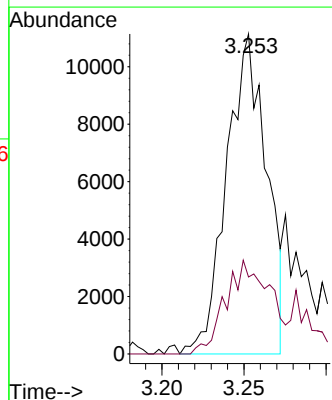
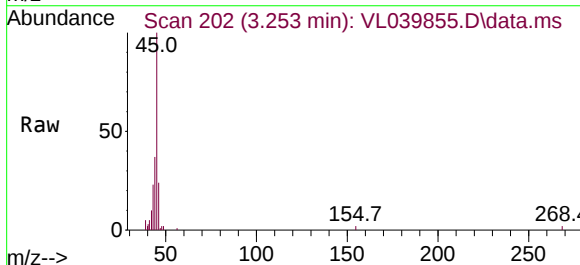
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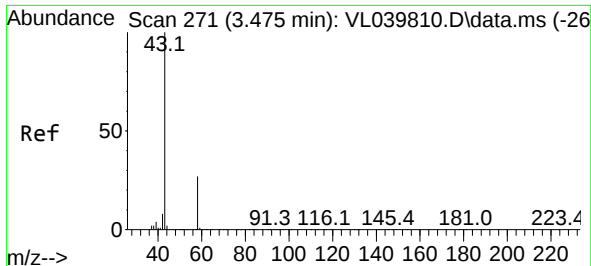
Tgt Ion: 45 Resp: 18809

Ion Ratio Lower Upper

45 100

46 41.5 16.5 65.9

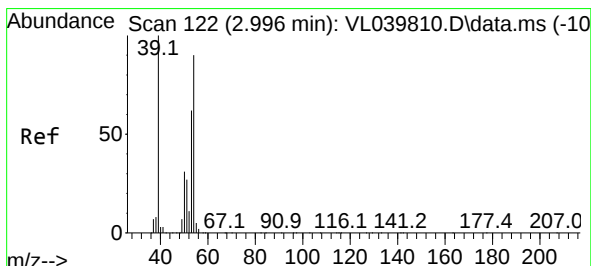
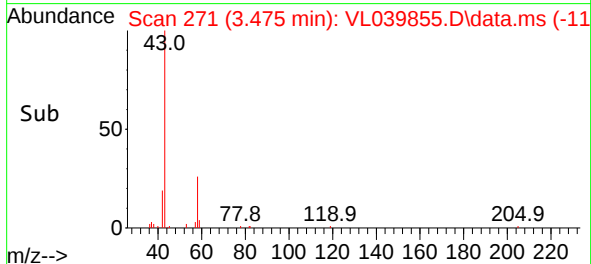
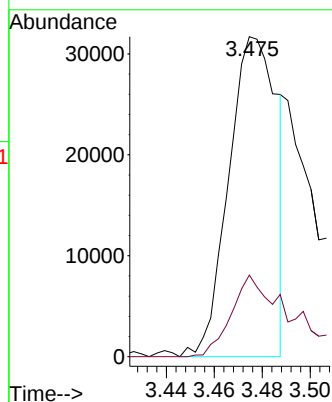
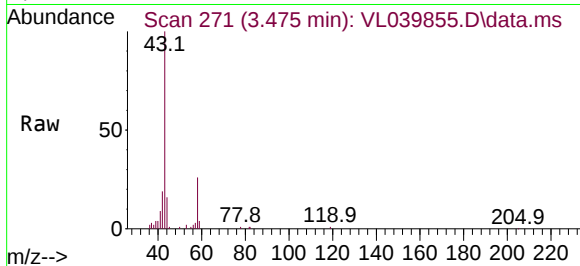




#15
Acetone
Concen: 0.363 ppbv
RT: 3.475 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

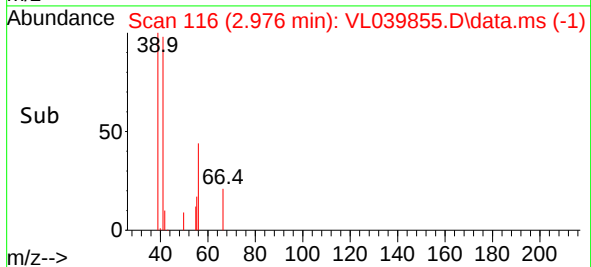
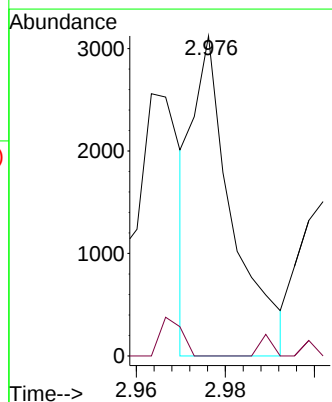
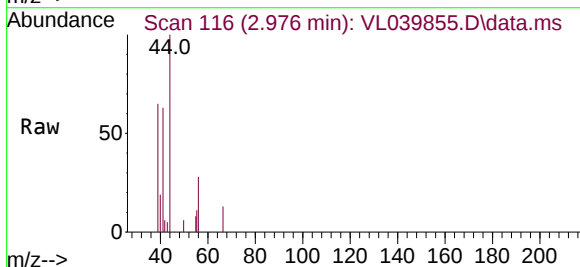
Instrument :
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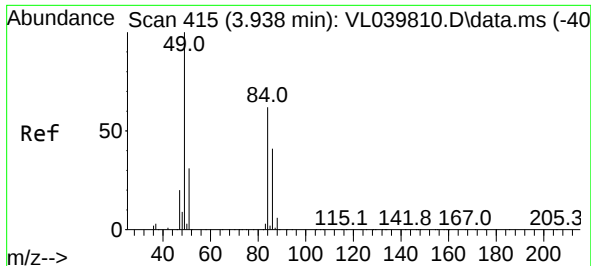
Tgt Ion: 43 Resp: 44143
Ion Ratio Lower Upper
43 100
58 34.4 23.2 34.8



#16
1,3-Butadiene
Concen: 0.034 ppbv
RT: 2.976 min Scan# 116
Delta R.T. -0.019 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

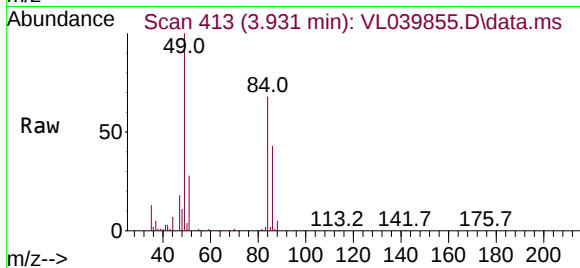
Tgt Ion: 39 Resp: 1944
Ion Ratio Lower Upper
39 100
54 0.0 71.0 106.4#



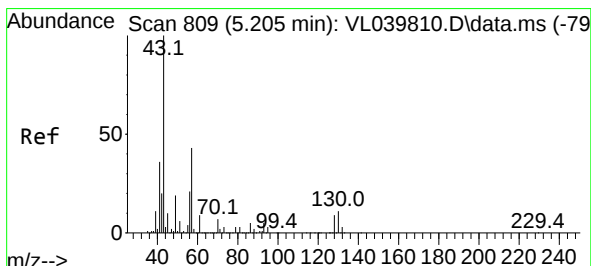
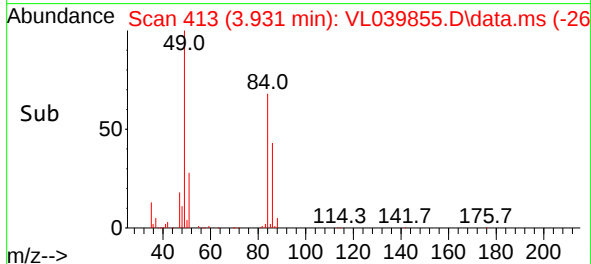
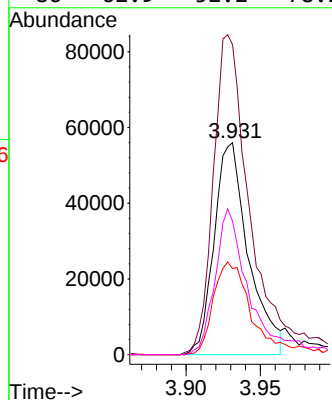


#20
Methylene Chloride
Concen: 2.064 ppbv
RT: 3.931 min Scan# 415
Delta R.T. -0.007 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDEDL

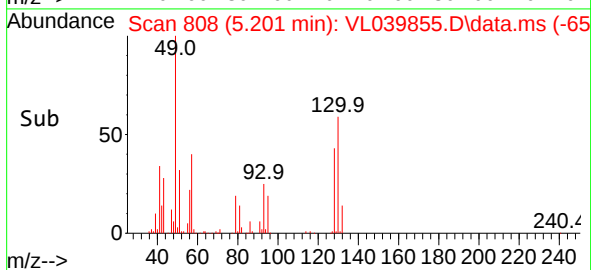
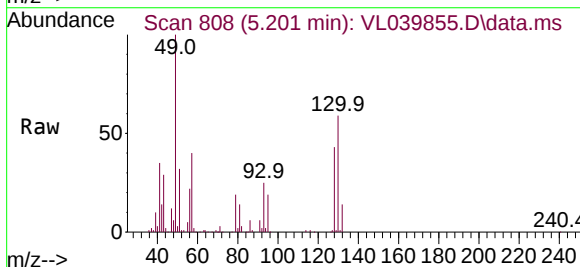
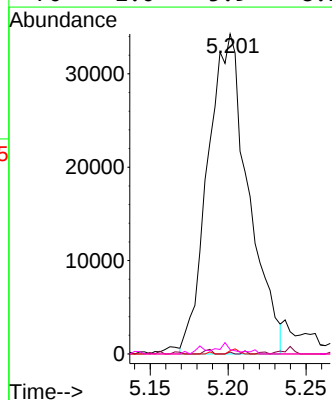


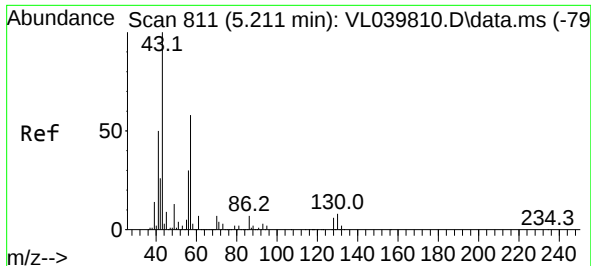
Tgt Ion:	84	Resp:	89856
Ion	Ratio	Lower	Upper
84	100		
49	146.3	128.6	192.8
51	40.7	40.2	60.4
86	62.9	52.2	78.2



#25
Ethyl Acetate
Concen: 0.248 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.003 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

Tgt Ion:	43	Resp:	62073
Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.2	12.2#
61	0.4	8.1	12.1#
70	2.0	5.9	8.9#

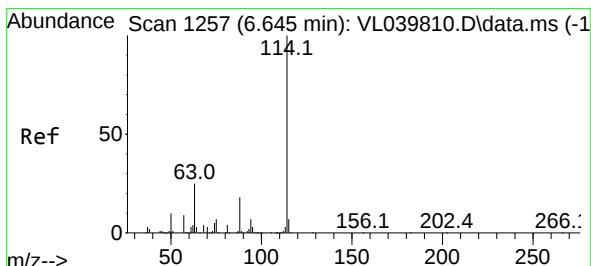
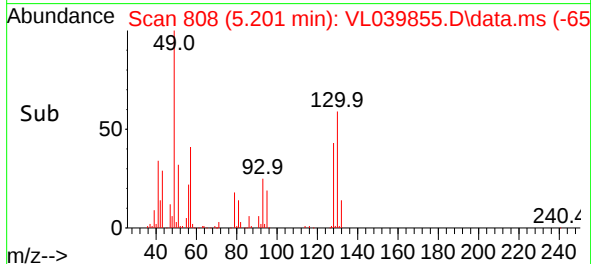
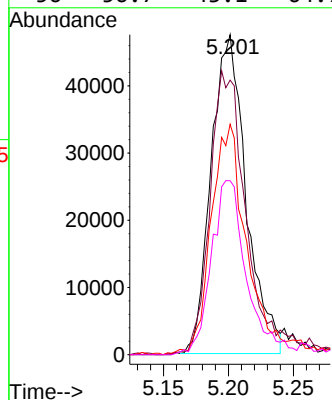
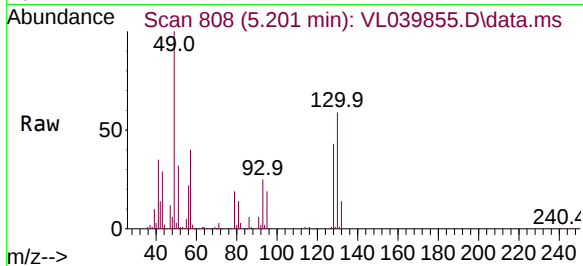




#26
Hexane
Concen: 0.795 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.010 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

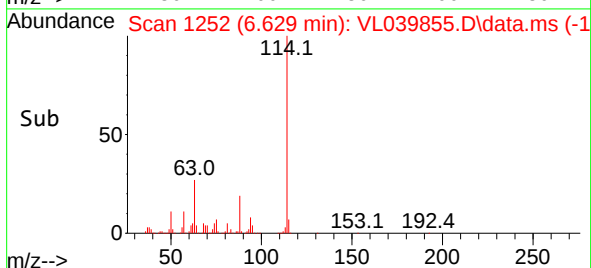
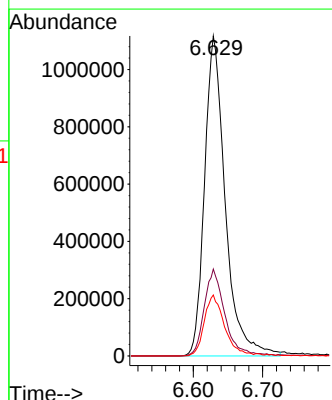
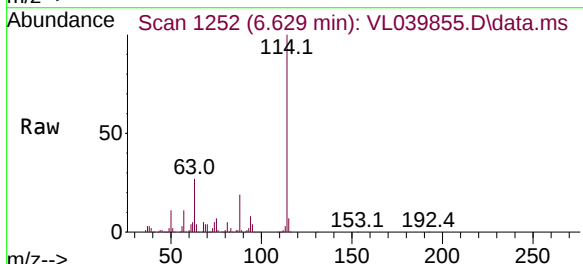
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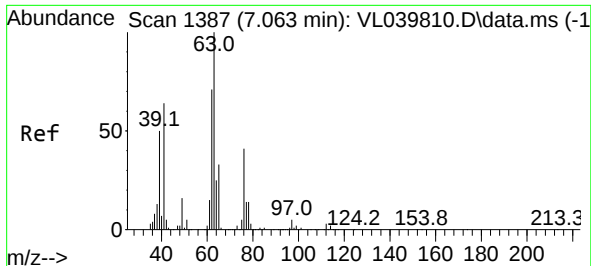
Tgt Ion: 57 Resp: 88895
Ion Ratio Lower Upper
57 100
41 95.5 73.7 110.5
43 76.8 189.8 284.8#
56 56.7 43.1 64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. -0.016 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

Tgt Ion: 114 Resp: 2315444
Ion Ratio Lower Upper
114 100
63 27.2 19.8 29.6
88 19.2 14.4 21.6





#39

1,2-Dichloropropane

Concen: 8.084 ppbv

RT: 6.629 min Scan# 1459

Delta R.T. -0.434 min

Lab File: VL039855.D

Acq: 9 Nov 2022 19:31

Instrument :

MSVOA_L

ClientSampleId :

10604-OUTSIDEDL

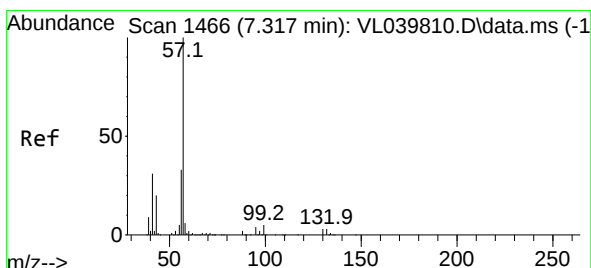
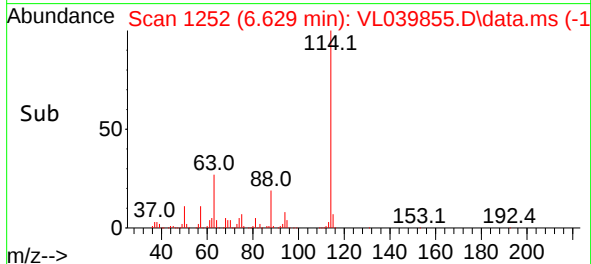
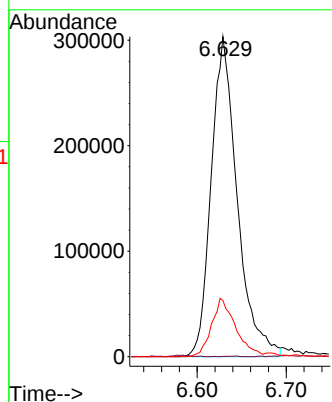
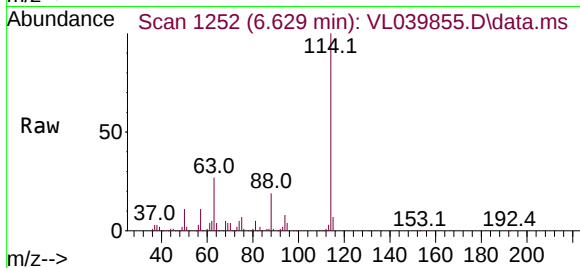
Tgt Ion: 63 Resp: 615211

Ion Ratio Lower Upper

63 100

41 0.0 51.0 76.4#

62 17.5 56.6 85.0#



#44

2,2,4-Trimethylpentane

Concen: 0.034 ppbv

RT: 7.294 min Scan# 1459

Delta R.T. -0.023 min

Lab File: VL039855.D

Acq: 9 Nov 2022 19:31

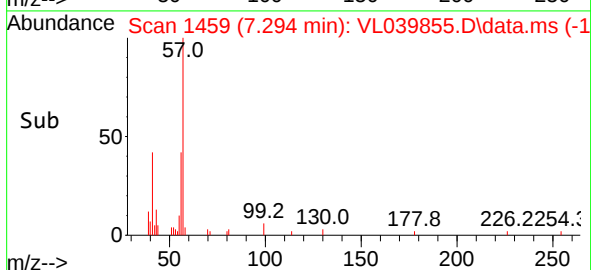
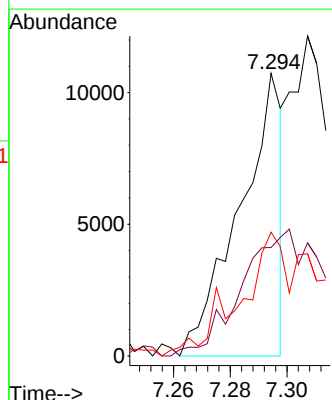
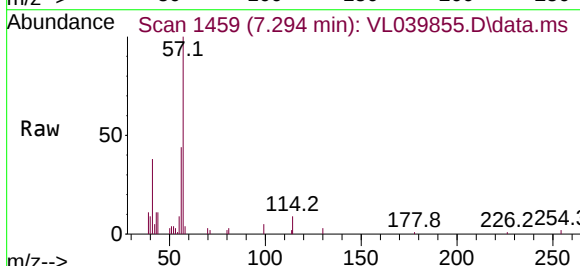
Tgt Ion: 57 Resp: 11081

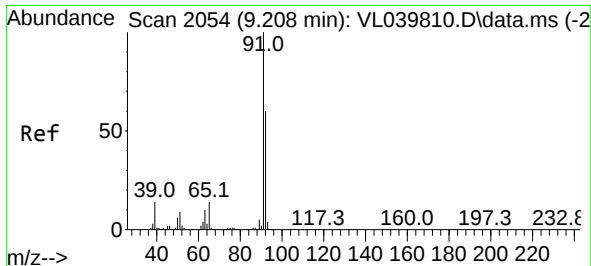
Ion Ratio Lower Upper

57 100

41 96.6 24.6 36.8#

56 92.5 25.4 38.0#

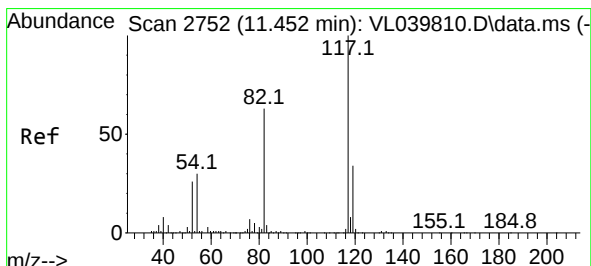
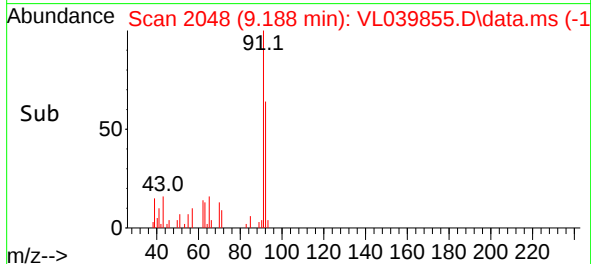
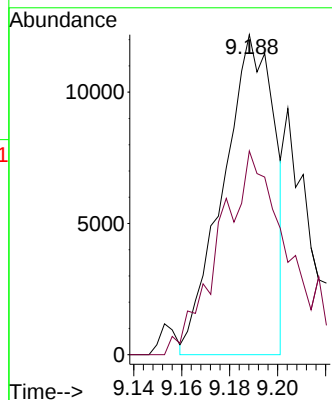
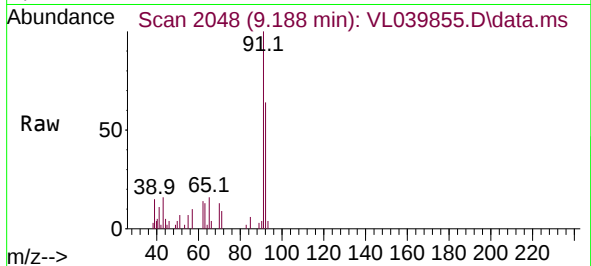




#53
Toluene
Concen: 0.081 ppbv
RT: 9.188 min Scan# 2048
Delta R.T. -0.019 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

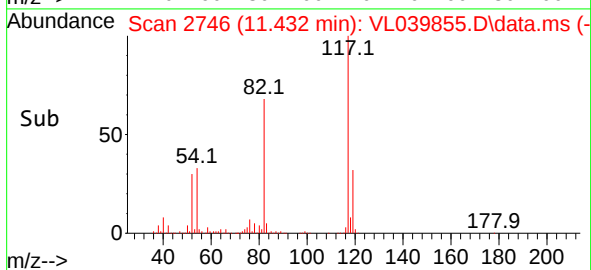
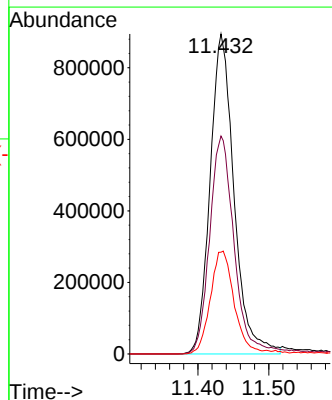
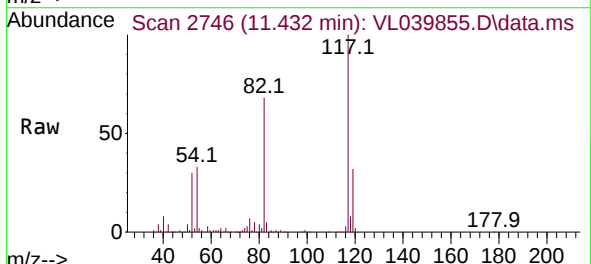
Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDEDL

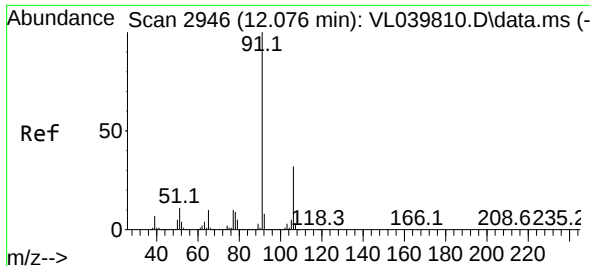
Tgt Ion: 91 Resp: 18121
Ion Ratio Lower Upper
91 100
92 88.1 49.6 74.4#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.432 min Scan# 2746
Delta R.T. -0.019 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

Tgt Ion: 117 Resp: 2096588
Ion Ratio Lower Upper
117 100
82 70.9 51.0 76.6
119 33.2 24.7 37.1

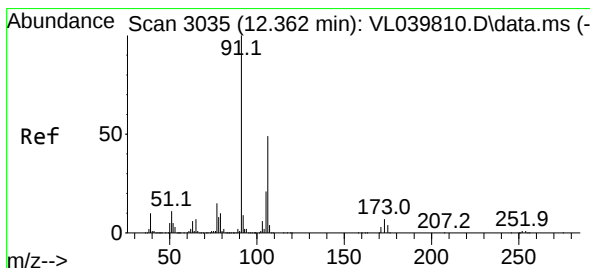
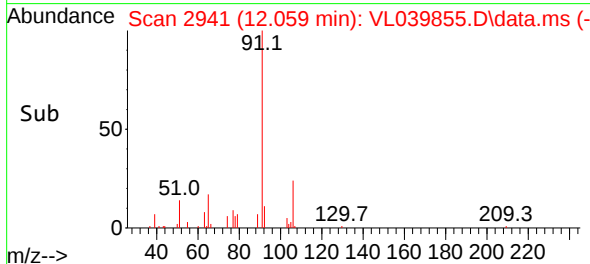
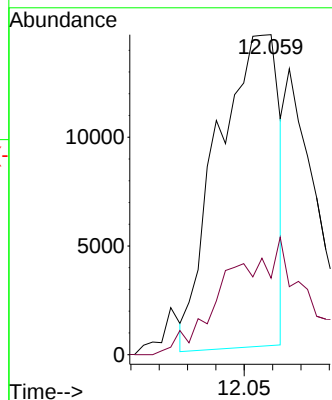
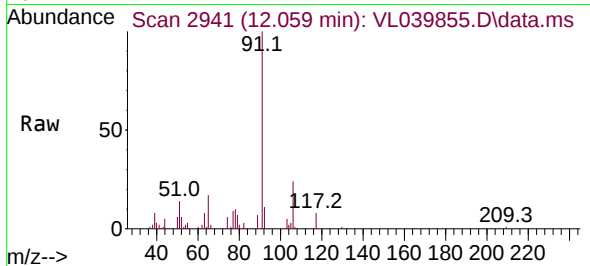




#58
Ethyl Benzene
Concen: 0.076 ppbv
RT: 12.059 min Scan# 2946
Delta R.T. -0.016 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

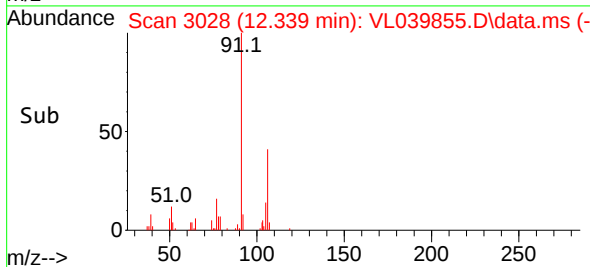
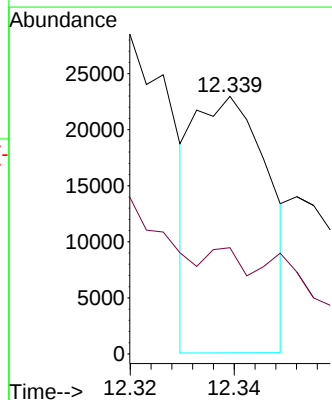
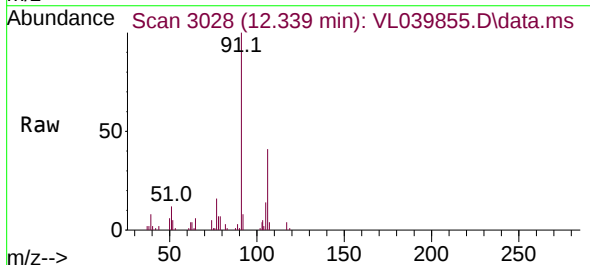
Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDEDL

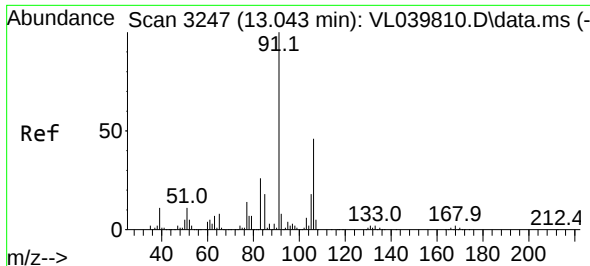
Tgt Ion: 91 Resp: 21523
Ion Ratio Lower Upper
91 100
106 18.2 25.9 38.9#



#59
m/p-Xylene
Concen: 0.095 ppbv
RT: 12.339 min Scan# 3028
Delta R.T. -0.023 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

Tgt Ion: 91 Resp: 22567
Ion Ratio Lower Upper
91 100
106 0.0 37.6 56.4#

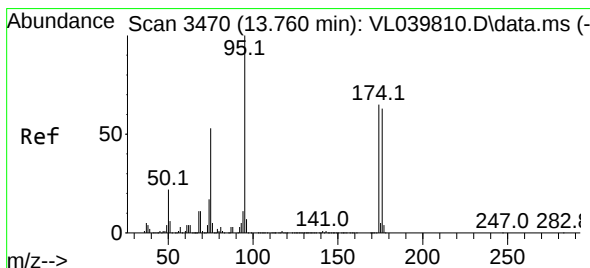
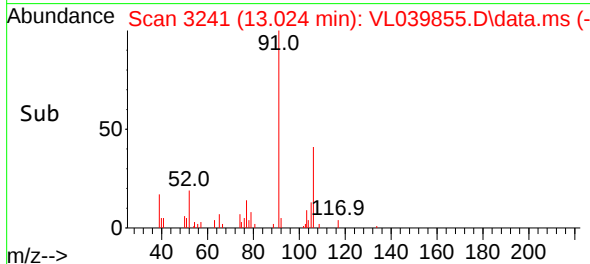
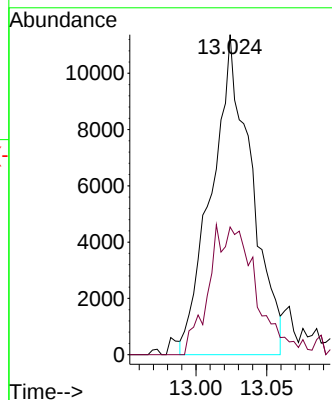
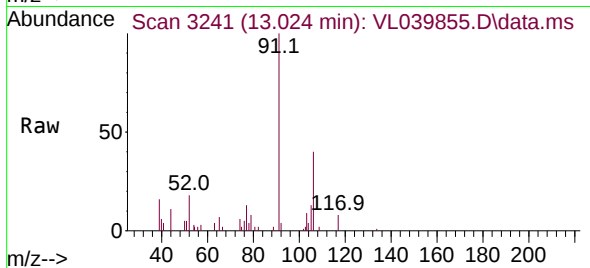




#60
o-Xylene
Concen: 0.099 ppbv
RT: 13.024 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

Instrument :
MSVOA_L
ClientSampleId :
10604-OUTSIDEDL

Tgt Ion: 91 Resp: 22232
Ion Ratio Lower Upper
91 100
106 48.8 23.6 70.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.709 ppbv
RT: 13.741 min Scan# 3464
Delta R.T. -0.019 min
Lab File: VL039855.D
Acq: 9 Nov 2022 19:31

Tgt Ion: 95 Resp: 1680569
Ion Ratio Lower Upper
95 100
174 60.6 53.4 80.0
175 4.4 4.1 6.1

