

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
 Data File : VL039733.D
 Acq On : 17 Oct 2022 23:50
 Operator : SY/AP
 Sample : N5169-05DL20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Quant Time: Oct 18 05:31:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Oct 18 05:23:57 2022
 Response via : Initial Calibration

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

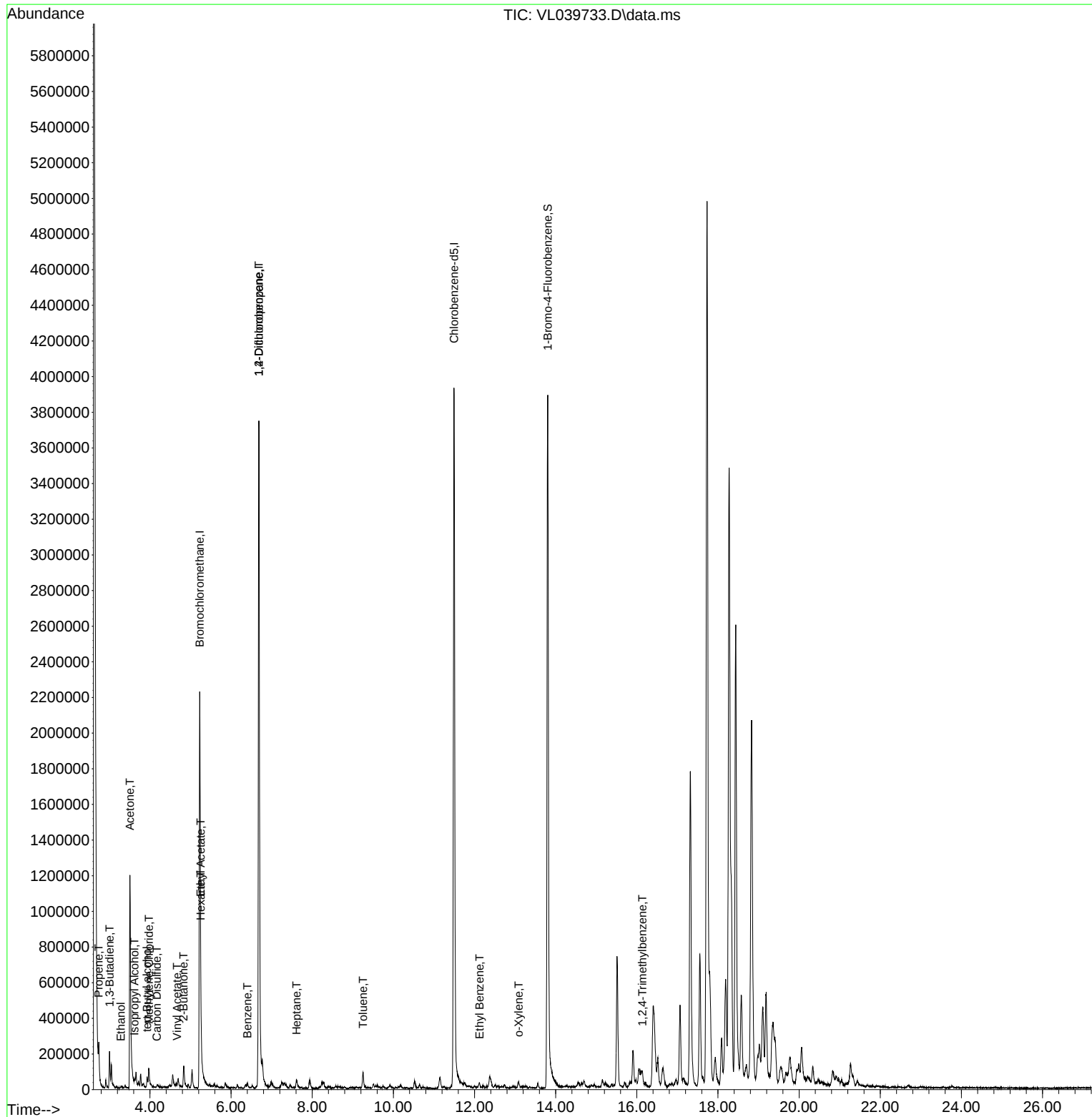
Internal Standards						
1) Bromochloromethane	5.227	49	1180489	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	3065410	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	2690050	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	1932150	9.622	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.200%
Target Compounds						
					Qvalue	
9) Propene	2.739	41	62646	0.979	ppbv	91
10) Heptane	7.613	43	7066	0.047	ppbv #	1
13) Ethanol	3.285	45	7481	1.535	ppbv	78
15) Acetone	3.507	43	1503981	11.449	ppbv	97
16) 1,3-Butadiene	3.005	39	40942	0.614	ppbv #	47
17) tert-Butyl alcohol	3.931	59	34780	0.295	ppbv #	90
19) Isopropyl Alcohol	3.616	45	4500	0.067	ppbv #	88
20) Methylene Chloride	3.976	84	15498	0.255	ppbv	95
23) Vinyl Acetate	4.668	43	3895	0.066	ppbv #	81
25) Ethyl Acetate	5.250	43	57568	0.201	ppbv #	77
26) Hexane	5.253	57	76862	0.632	ppbv #	37
27) Carbon Disulfide	4.169	76	4719	0.037	ppbv #	94
34) 2-Butanone	4.832	43	148964	0.989	ppbv	99
36) Benzene	6.404	78	19494	0.083	ppbv #	91
39) 1,2-Dichloropropane	6.684	63	749487	8.282	ppbv #	26
53) Toluene	9.250	91	66496	0.255	ppbv	96
58) Ethyl Benzene	12.124	91	18541	0.060	ppbv	96
60) o-Xylene	13.089	91	8307	0.032	ppbv #	1
74) 1,2,4-Trimethylbenzene	16.137	105	55998	0.181	ppbv #	69

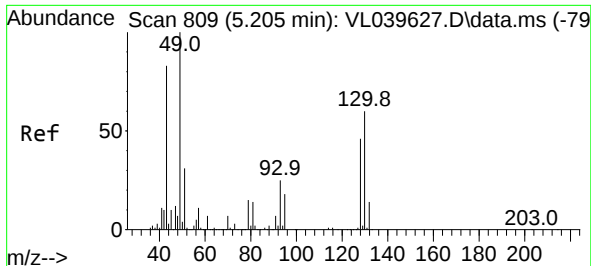
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Oct 18 05:23:57 2022
Response via : Initial Calibration

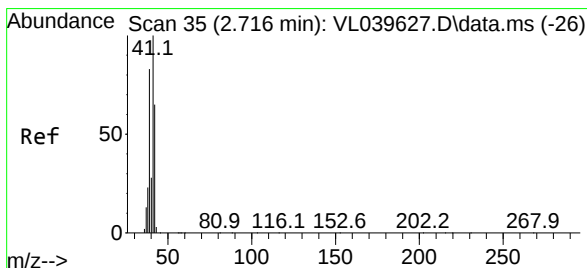
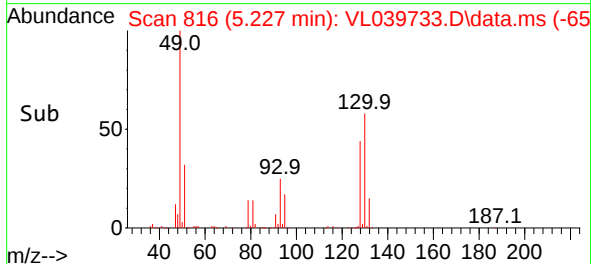
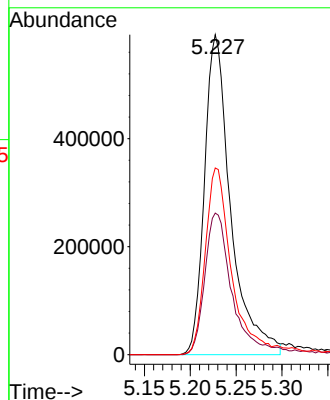
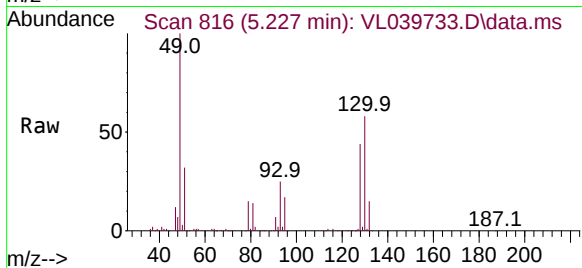




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.227 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

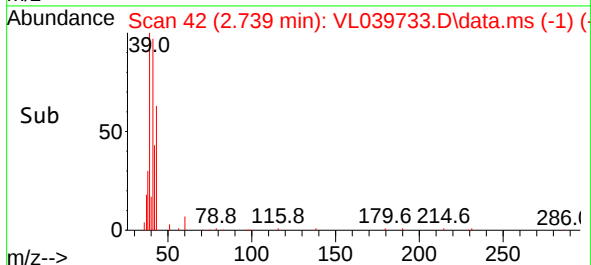
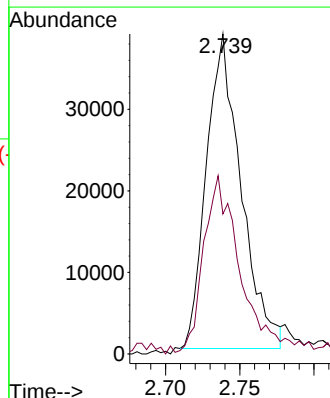
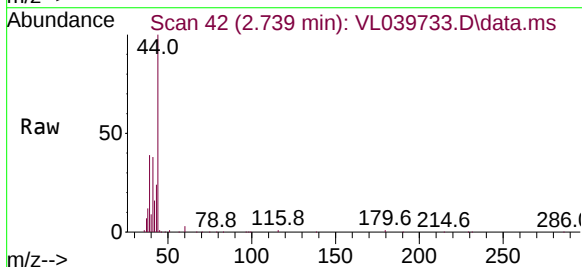
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

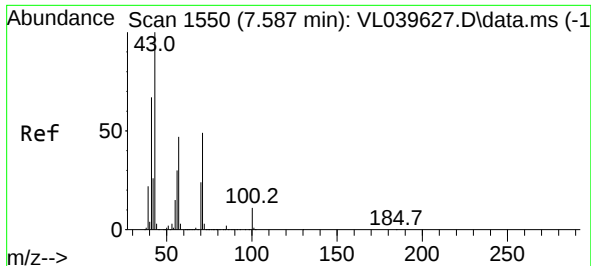
Tgt Ion: 49 Resp: 1180489
Ion Ratio Lower Upper
49 100
128 48.8 26.7 80.0
130 61.6 34.3 102.8



#9
Propene
Concen: 0.979 ppbv
RT: 2.739 min Scan# 42
Delta R.T. 0.006 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

Tgt Ion: 41 Resp: 62646
Ion Ratio Lower Upper
41 100
42 61.9 55.2 82.8

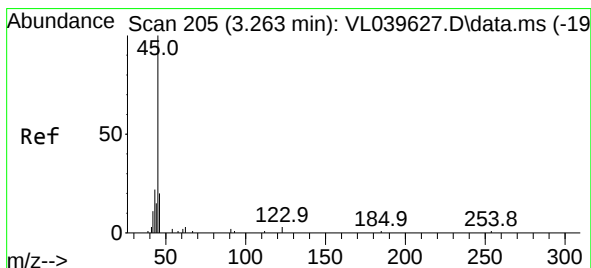
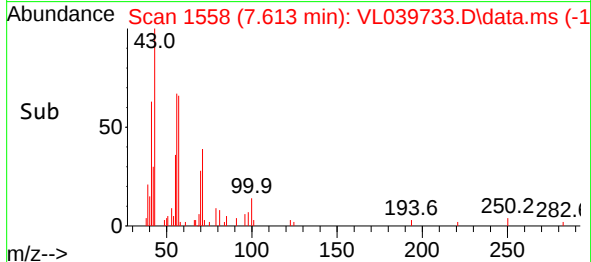
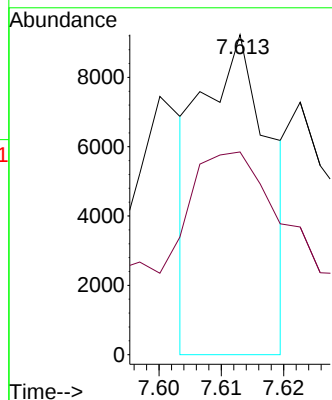
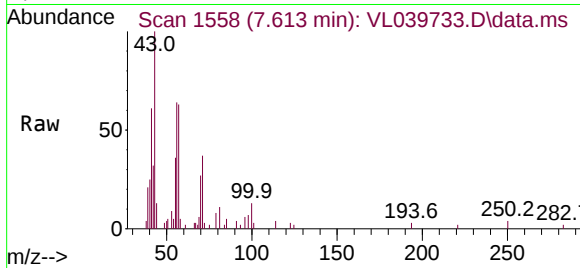




#10
Heptane
Concen: 0.047 ppbv
RT: 7.613 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

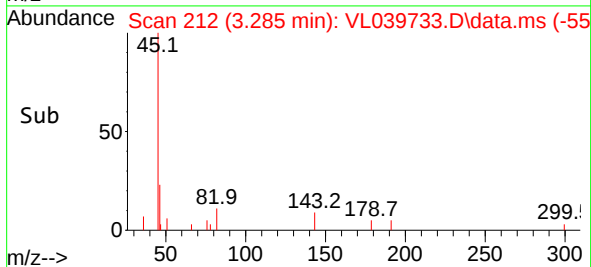
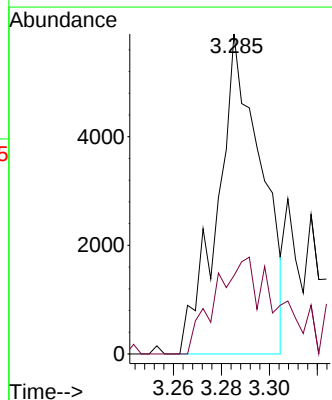
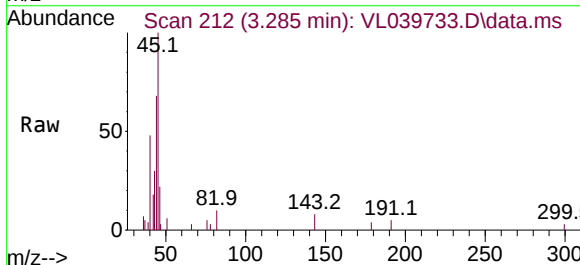
Instrument :
MSVOA_L
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SV3DL

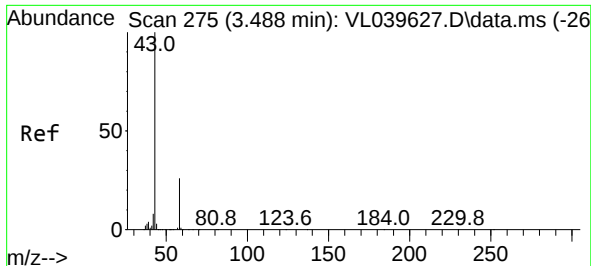
Tgt Ion: 43 Resp: 7066
Ion Ratio Lower Upper
43 100
57 171.4 40.5 60.7#



#13
Ethanol
Concen: 1.535 ppbv
RT: 3.285 min Scan# 212
Delta R.T. 0.003 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

Tgt Ion: 45 Resp: 7481
Ion Ratio Lower Upper
45 100
46 40.6 22.8 91.2

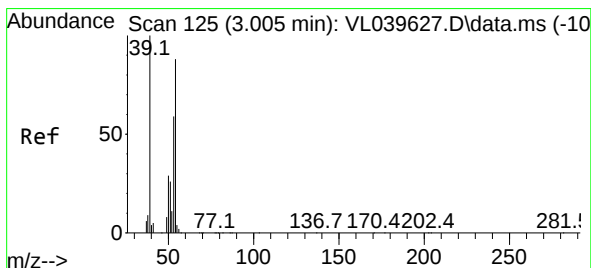
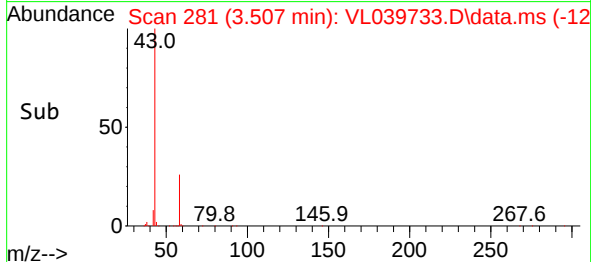
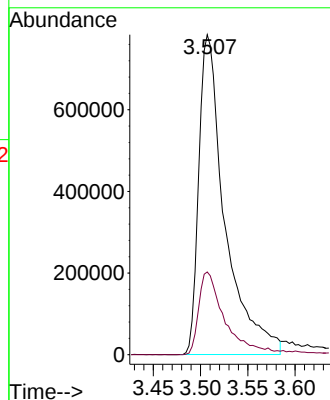
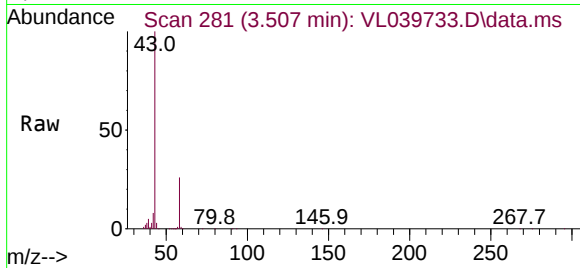




#15
Acetone
Concen: 11.449 ppbv
RT: 3.507 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

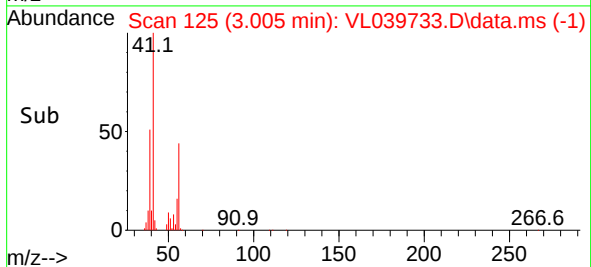
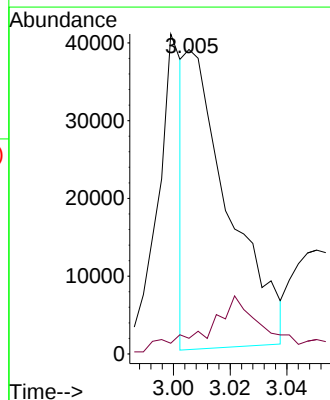
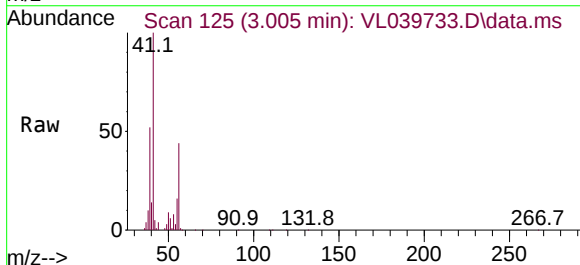
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

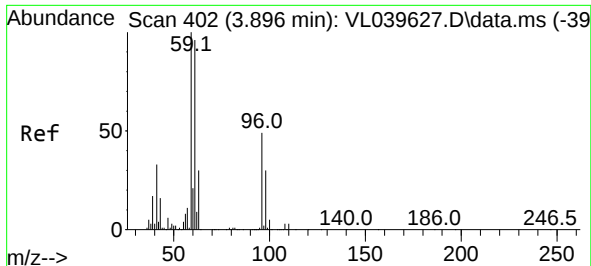
Tgt Ion: 43 Resp: 1503981
Ion Ratio Lower Upper
43 100
58 27.9 21.0 31.6



#16
1,3-Butadiene
Concen: 0.614 ppbv
RT: 3.005 min Scan# 125
Delta R.T. -0.016 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

Tgt Ion: 39 Resp: 40942
Ion Ratio Lower Upper
39 100
54 33.3 63.7 95.5#





#17

tert-Butyl alcohol

Concen: 0.295 ppbv

RT: 3.931 min Scan# 413

Delta R.T. 0.016 min

Lab File: VL039733.D

Acq: 17 Oct 2022 23:50

Instrument :

MSVOA_L

ClientSampleId :

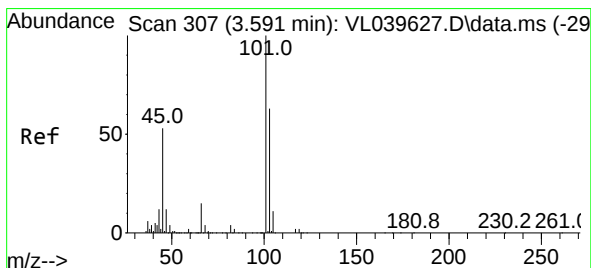
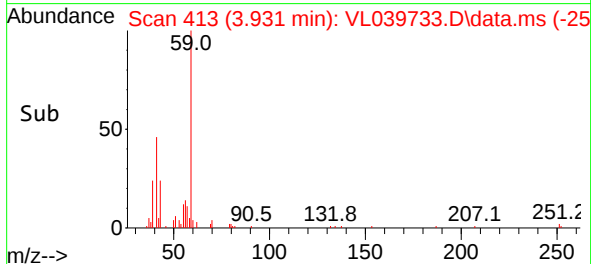
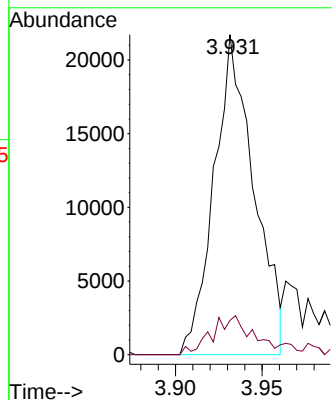
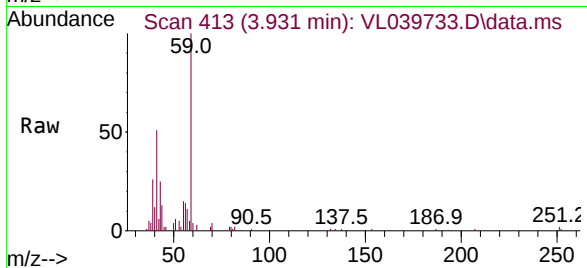
SV3DL

Tgt Ion: 59 Resp: 34780

Ion Ratio Lower Upper

59 100

57 14.7 8.7 13.1#



#19

Isopropyl Alcohol

Concen: 0.067 ppbv

RT: 3.616 min Scan# 315

Delta R.T. 0.003 min

Lab File: VL039733.D

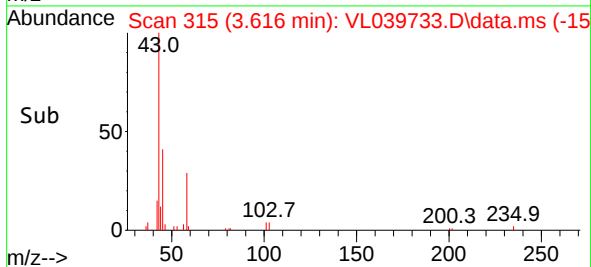
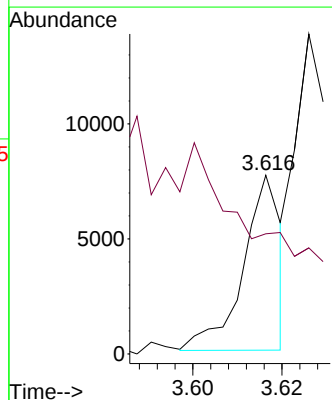
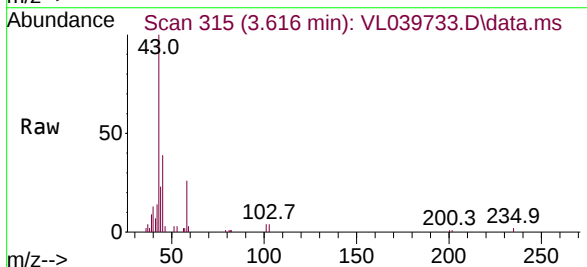
Acq: 17 Oct 2022 23:50

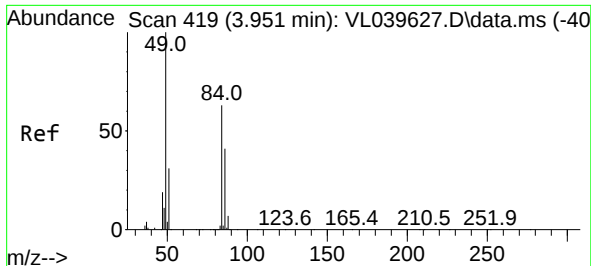
Tgt Ion: 45 Resp: 4500

Ion Ratio Lower Upper

45 100

58 0.0 3.2 4.8#



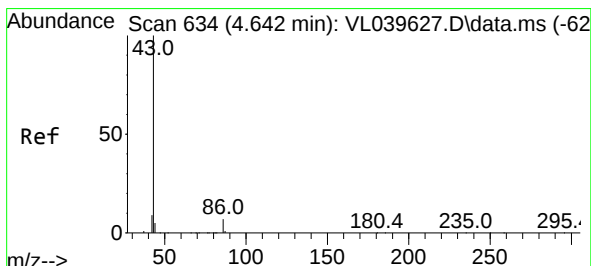
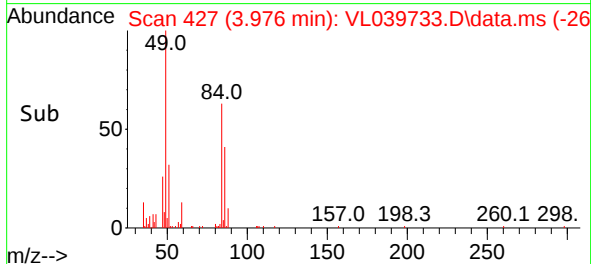
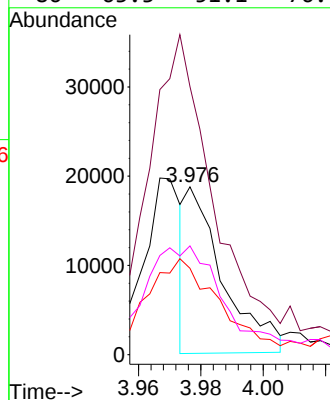
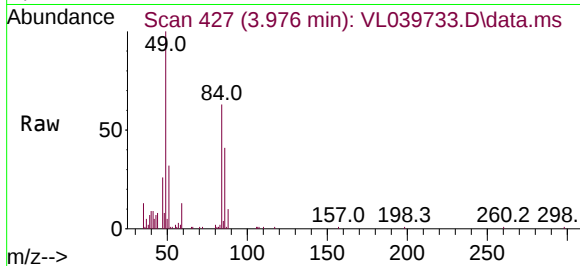


#20
Methylene Chloride
Concen: 0.255 ppbv
RT: 3.976 min Scan# 419
Delta R.T. 0.006 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 84 Resp: 15498

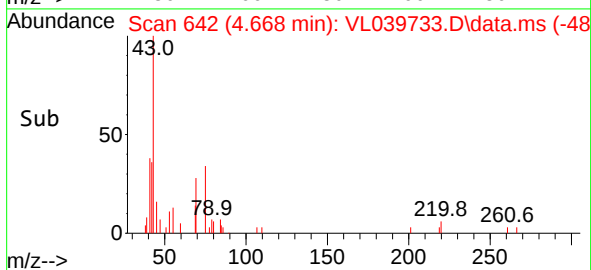
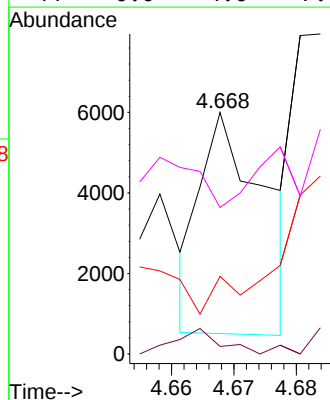
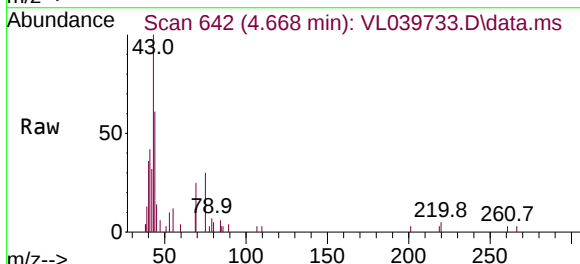
Ion	Ratio	Lower	Upper
84	100		
49	159.3	123.1	184.7
51	51.0	34.4	51.6
86	63.3	51.1	76.7

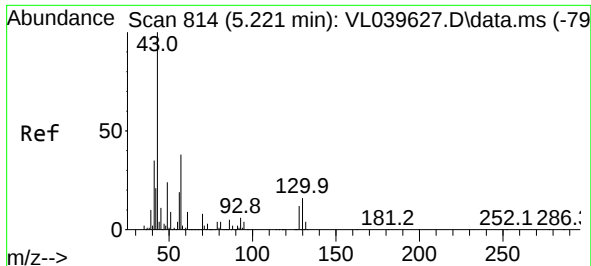


#23
Vinyl Acetate
Concen: 0.066 ppbv
RT: 4.668 min Scan# 642
Delta R.T. 0.006 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

Tgt Ion: 43 Resp: 3895

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.6#
42	2.1	7.7	11.5#
44	0.0	4.6	7.0#

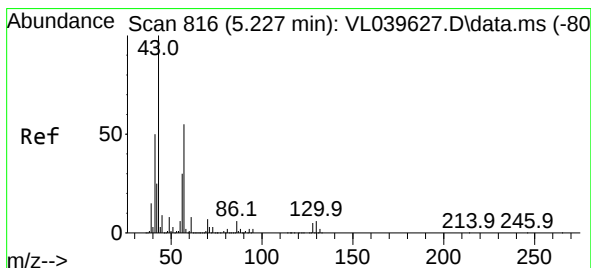
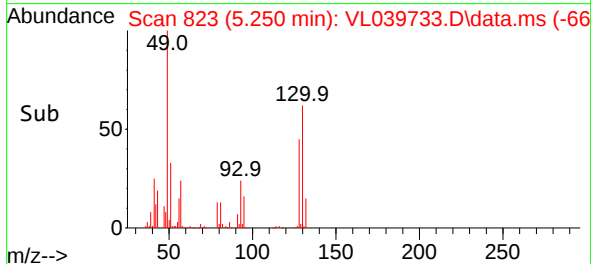
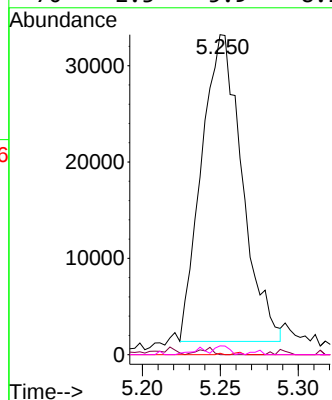
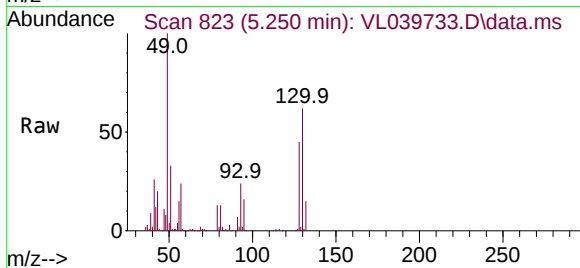




#25
Ethyl Acetate
Concen: 0.201 ppbv
RT: 5.250 min Scan# 814
Delta R.T. 0.010 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

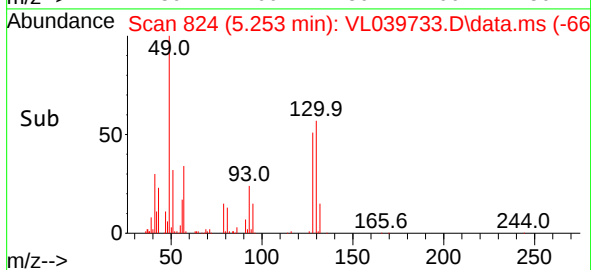
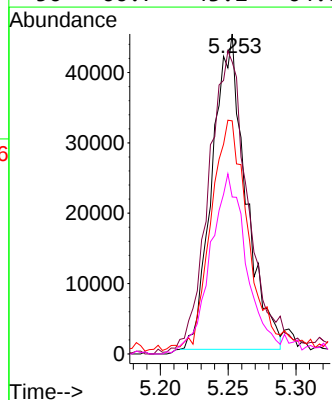
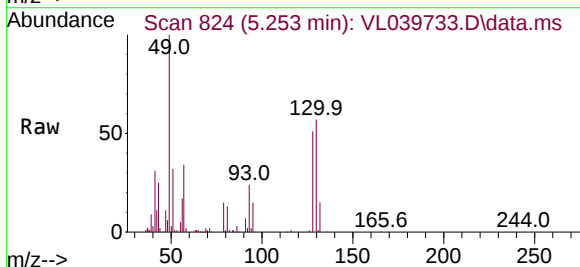
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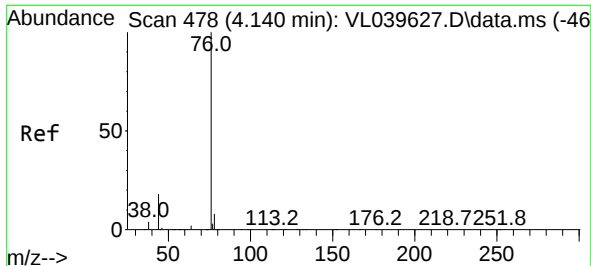
Tgt Ion:	43	Resp:	57568
Ion	Ratio	Lower	Upper
43	100		
45	0.8	8.2	12.4#
61	0.2	8.3	12.5#
70	2.3	5.9	8.9#



#26
Hexane
Concen: 0.632 ppbv
RT: 5.253 min Scan# 824
Delta R.T. 0.006 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

Tgt Ion:	57	Resp:	76862
Ion	Ratio	Lower	Upper
57	100		
41	116.8	76.9	115.3#
43	86.1	191.0	286.6#
56	66.7	43.2	64.8#

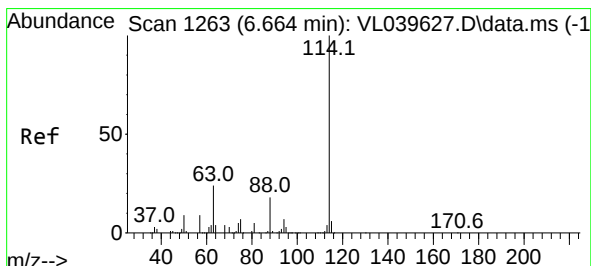
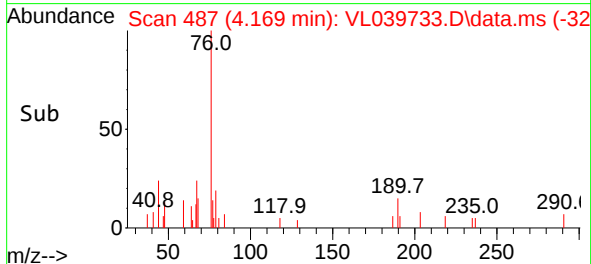
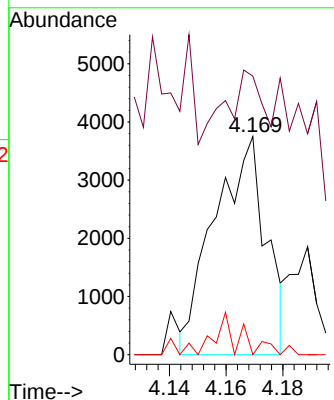
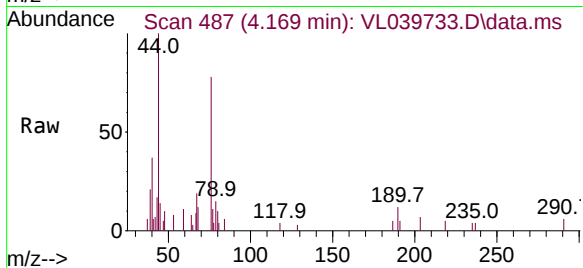




#27
Carbon Disulfide
Concen: 0.037 ppbv
RT: 4.169 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

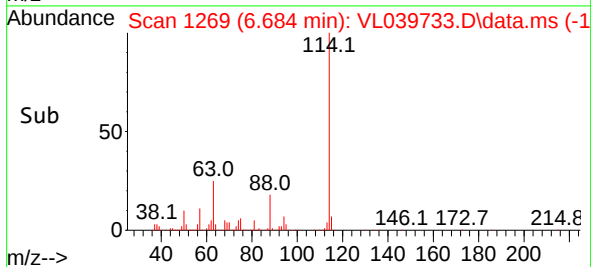
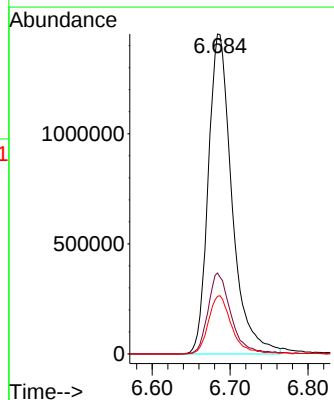
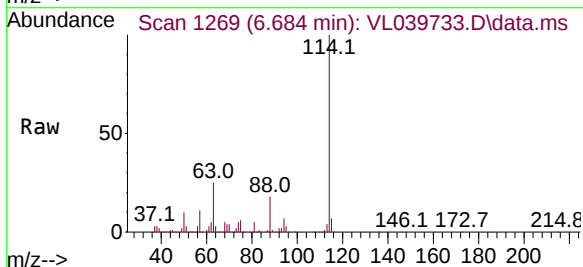
Instrument :
MSVOA_L
ClientSampleId :
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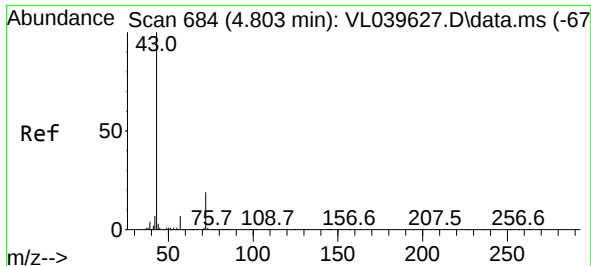
Tgt Ion: 76 Resp: 4719
Ion Ratio Lower Upper
76 100
44 18.8 14.6 21.8
78 4.5 7.8 11.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.684 min Scan# 1269
Delta R.T. -0.003 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

Tgt Ion: 114 Resp: 3065410
Ion Ratio Lower Upper
114 100
63 24.9 20.2 30.4
88 18.0 14.5 21.7

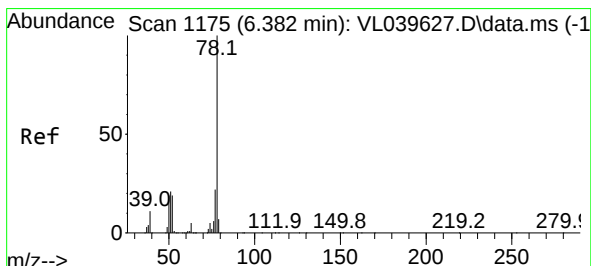
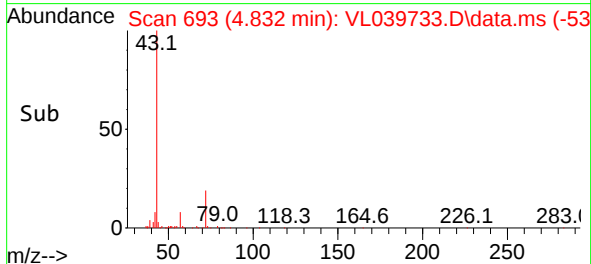
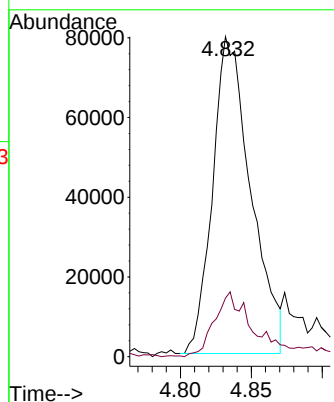
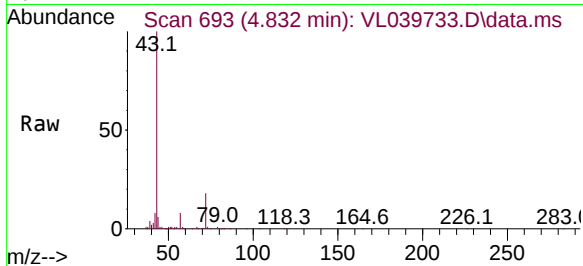




#34
2-Butanone
Concen: 0.989 ppbv
RT: 4.832 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

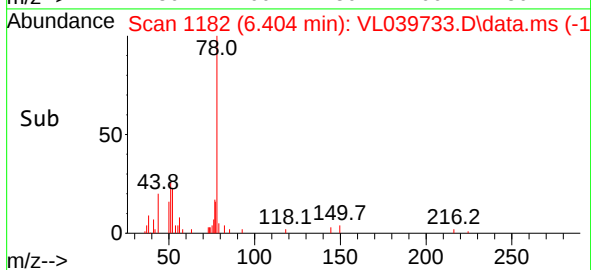
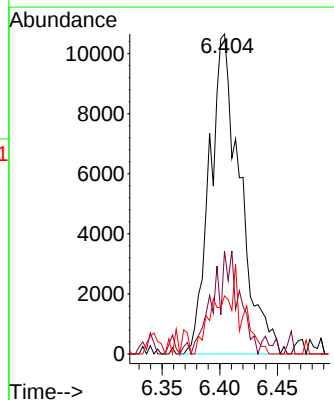
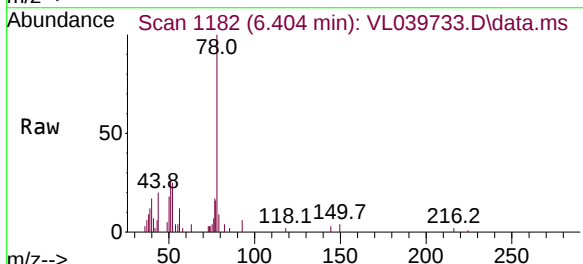
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

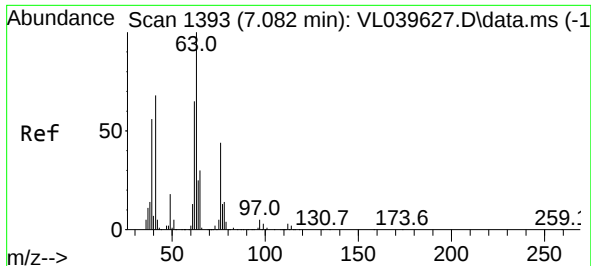
Tgt Ion: 43 Resp: 148964
Ion Ratio Lower Upper
43 100
72 22.7 17.9 26.9



#36
Benzene
Concen: 0.083 ppbv
RT: 6.404 min Scan# 1182
Delta R.T. 0.003 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

Tgt Ion: 78 Resp: 19494
Ion Ratio Lower Upper
78 100
77 32.2 20.3 30.5#
50 18.2 15.5 23.3





#39

1,2-Dichloropropane

Concen: 8.282 ppbv

RT: 6.684 min Scan# 1269

Delta R.T. -0.421 min

Lab File: VL039733.D

Acq: 17 Oct 2022 23:50

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

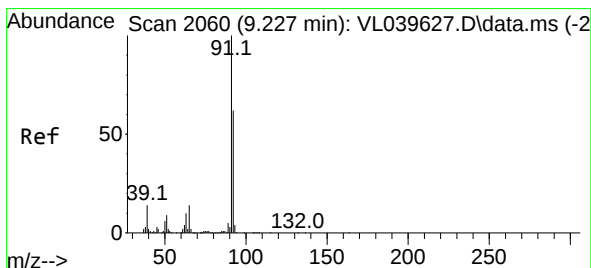
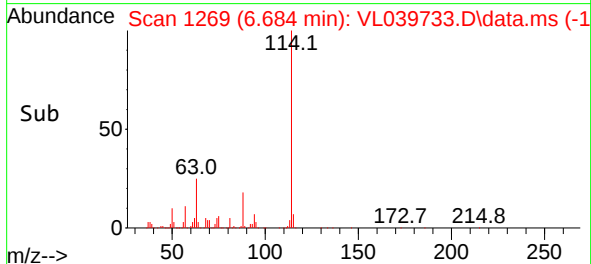
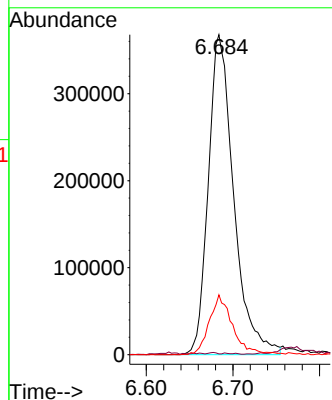
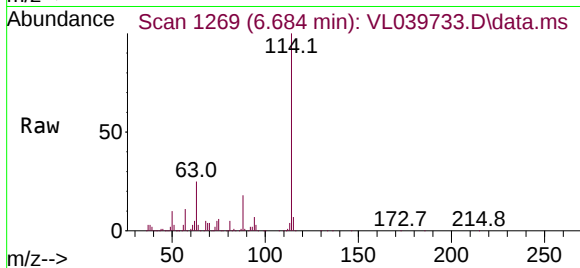
Tgt Ion: 63 Resp: 749487

Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

62 18.7 51.4 77.0#



#53

Toluene

Concen: 0.255 ppbv

RT: 9.250 min Scan# 2067

Delta R.T. 0.000 min

Lab File: VL039733.D

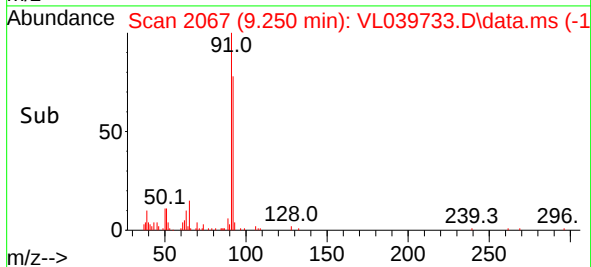
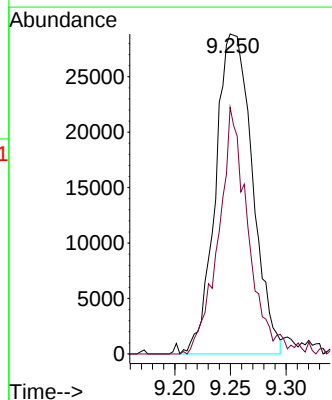
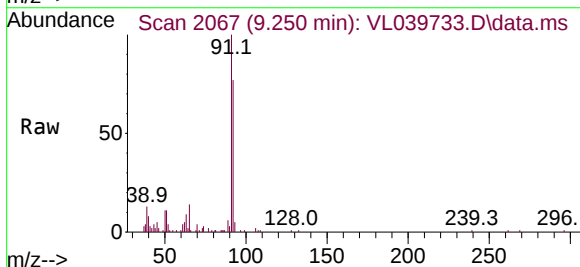
Acq: 17 Oct 2022 23:50

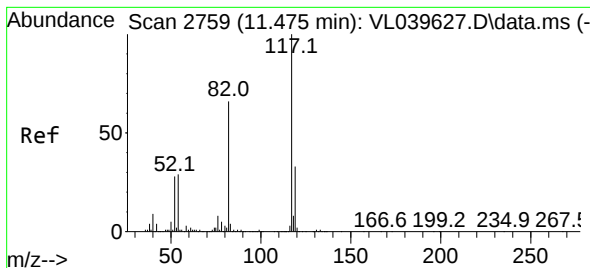
Tgt Ion: 91 Resp: 66496

Ion Ratio Lower Upper

91 100

92 63.2 48.2 72.2

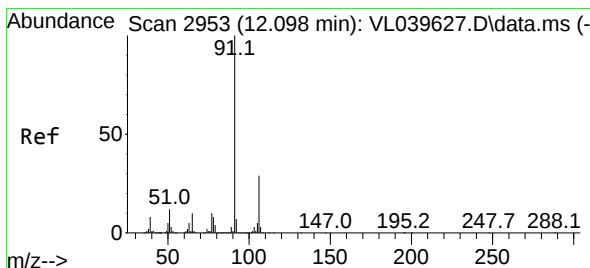
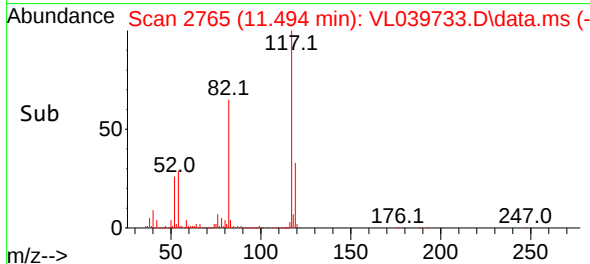
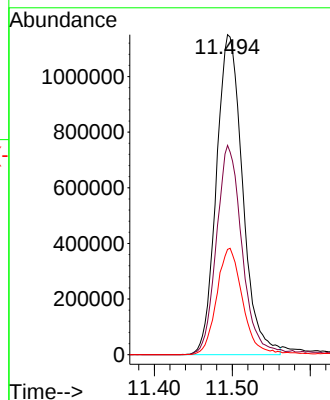
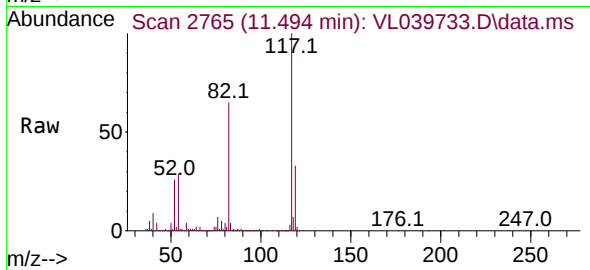




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

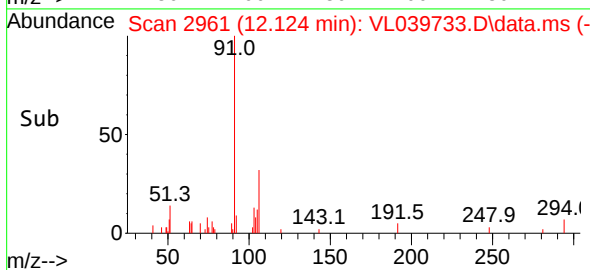
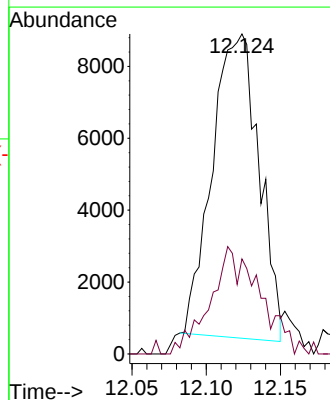
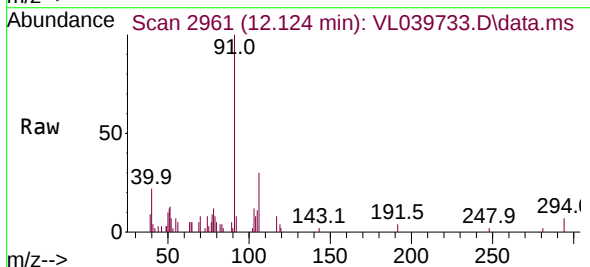
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

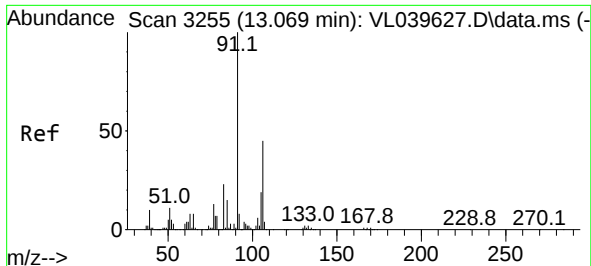
Tgt Ion:117 Resp: 2690050
Ion Ratio Lower Upper
117 100
82 65.4 50.8 76.2
119 33.2 24.1 36.1



#58
Ethyl Benzene
Concen: 0.060 ppbv
RT: 12.124 min Scan# 2961
Delta R.T. 0.010 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

Tgt Ion: 91 Resp: 18541
Ion Ratio Lower Upper
91 100
106 29.7 25.4 38.0

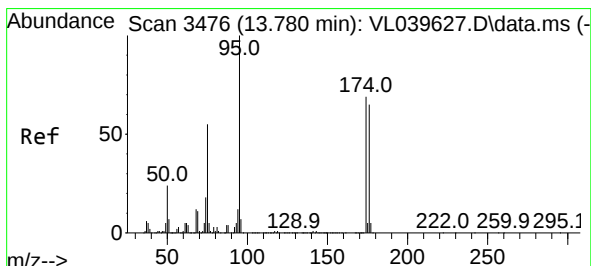
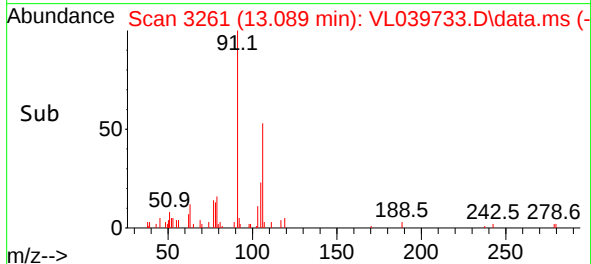
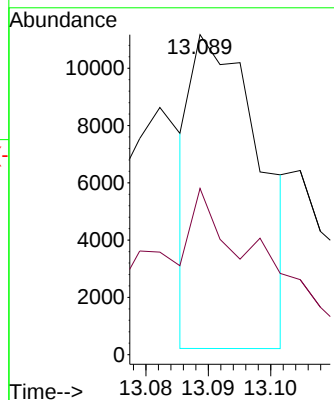
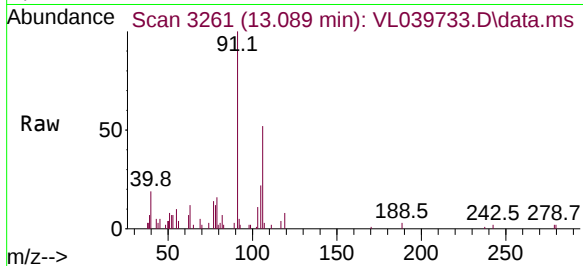




#60
o-Xylene
Concen: 0.032 ppbv
RT: 13.089 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

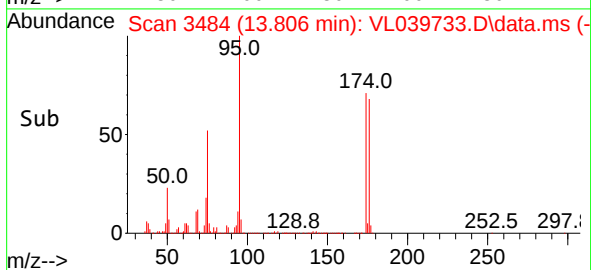
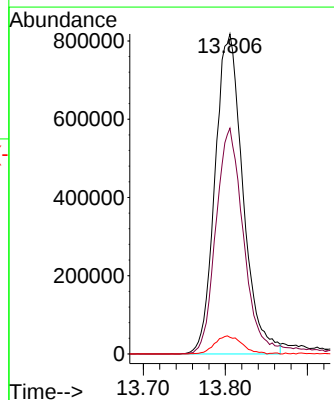
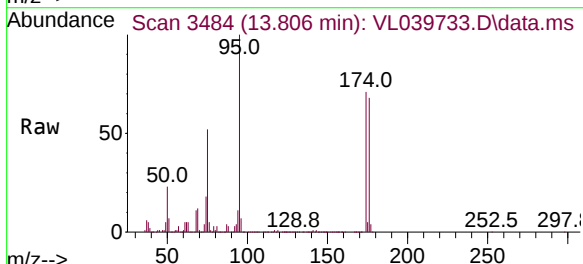
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

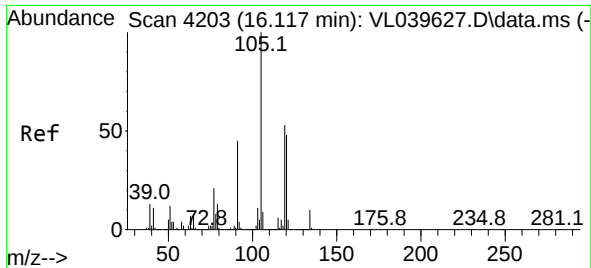
Tgt Ion: 91 Resp: 8307
Ion Ratio Lower Upper
91 100
106 119.3 22.4 67.3#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.622 ppbv
RT: 13.806 min Scan# 3484
Delta R.T. 0.006 min
Lab File: VL039733.D
Acq: 17 Oct 2022 23:50

Tgt Ion: 95 Resp: 1932150
Ion Ratio Lower Upper
95 100
174 73.6 55.9 83.9
175 5.6 4.2 6.4





#74

1,2,4-Trimethylbenzene

Concen: 0.181 ppbv

RT: 16.137 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL039733.D

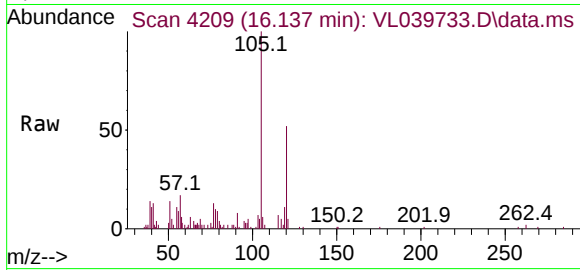
Acq: 17 Oct 2022 23:50

Instrument :

MSVOA_L

ClientSampleId :

SV3DL



Tgt Ion:105 Resp: 55998

Ion Ratio Lower Upper

105 100

120 52.9 39.5 59.3

91 5.9 39.2 58.8#

77 12.1 17.2 25.8#

