

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
 Data File : VL041968.D
 Acq On : 03 Feb 2025 17:08
 Operator : SY/MD
 Sample : Q1222-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 04 02:39:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	151310	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	428310	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	371013	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	283971	9.718	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	8269	0.401	ppbv	97
3) Chlorodifluoromethane	1.479	51	9626	0.446	ppbv	94
4) Chloromethane	1.534	50	4372	0.564	ppbv	95
6) Bromomethane	1.670	94	118	0.032	ppbv #	64
9) Propene	1.563	41	48888	5.497	ppbv	91
10) Heptane	4.998	43	116074	4.882	ppbv	97
11) Trichlorofluoromethane	1.884	101	4568	0.213	ppbv	89
12) 1,1,2-Trichlorotri fluo...	2.146	101	1300	0.077	ppbv	95
13) Ethanol	1.725	45	514568	789.838	ppbv	88
15) Acetone	1.839	43	302369	16.638	ppbv	92
16) 1,3-Butadiene	1.606	39	2368	0.290	ppbv #	11
17) tert-Butyl alcohol	2.049	59	1651	0.074	ppbv #	73
19) Isopropyl Alcohol	1.890	45	269134	24.977	ppbv #	34
20) Methylene Chloride	2.068	84	2500	0.348	ppbv #	83
21) Allyl Chloride	2.085	41	2348	0.187	ppbv #	33
23) Vinyl Acetate	2.483	43	23518	2.611	ppbv #	47
25) Ethyl Acetate	2.845	43	15160	0.309	ppbv #	78
26) Hexane	2.835	57	15435	0.796	ppbv #	69
29) Chloroform	2.858	83	11809	0.385	ppbv #	81
30) Cyclohexane	3.871	84	10357	0.616	ppbv	93
34) 2-Butanone	2.567	43	38831	1.426	ppbv	98
35) Carbon Tetrachloride	3.777	117	1549	0.058	ppbv #	39
36) Benzene	3.667	78	14531	0.370	ppbv #	90
39) 1,2-Dichloropropane	3.972	63	104684	7.597	ppbv #	21
41) Tetrahydrofuran	3.075	42	8752	0.591	ppbv	97
44) 2,2,4-Trimethylpentane	4.658	57	20396	0.321	ppbv #	64
51) 2-Hexanone	7.467	43	947	0.033	ppbv #	98
52) Tetrachloroethene	8.237	164	410	0.030	ppbv #	21
53) Toluene	6.952	91	61026	1.426	ppbv	99
58) Ethyl Benzene	9.370	91	11969	0.206	ppbv	98
59) m/p-Xylene	9.542	91	39081	0.841	ppbv #	83
60) o-Xylene	9.975	91	18381	0.398	ppbv	94
61) Styrene	9.878	104	1102	0.053	ppbv	93
64) n-propylbenzene	10.998	120	911	0.051	ppbv	91
65) tert-Butylbenzene	11.548	119	2306	0.035	ppbv #	54
69) p-Isopropyltoluene	11.930	119	2393	0.032	ppbv #	79
72) 4-Ethyltoluene	11.137	105	3731	0.068	ppbv #	81
73) 1,3,5-Trimethylbenzene	11.215	105	3739	0.077	ppbv #	85
74) 1,2,4-Trimethylbenzene	11.545	105	18157	0.344	ppbv #	57
75) 1,3-Dichlorobenzene	11.684	146	2667	0.085	ppbv	89
76) 1,4-Dichlorobenzene	11.684	146	2667	0.087	ppbv	87
77) 1,2-Dichlorobenzene	11.684	146	2667	0.086	ppbv	89
79) Naphthalene	13.523	128	2787	0.052	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041968.D
Acq On : 03 Feb 2025 17:08
Operator : SY/MD
Sample : Q1222-02DUP
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

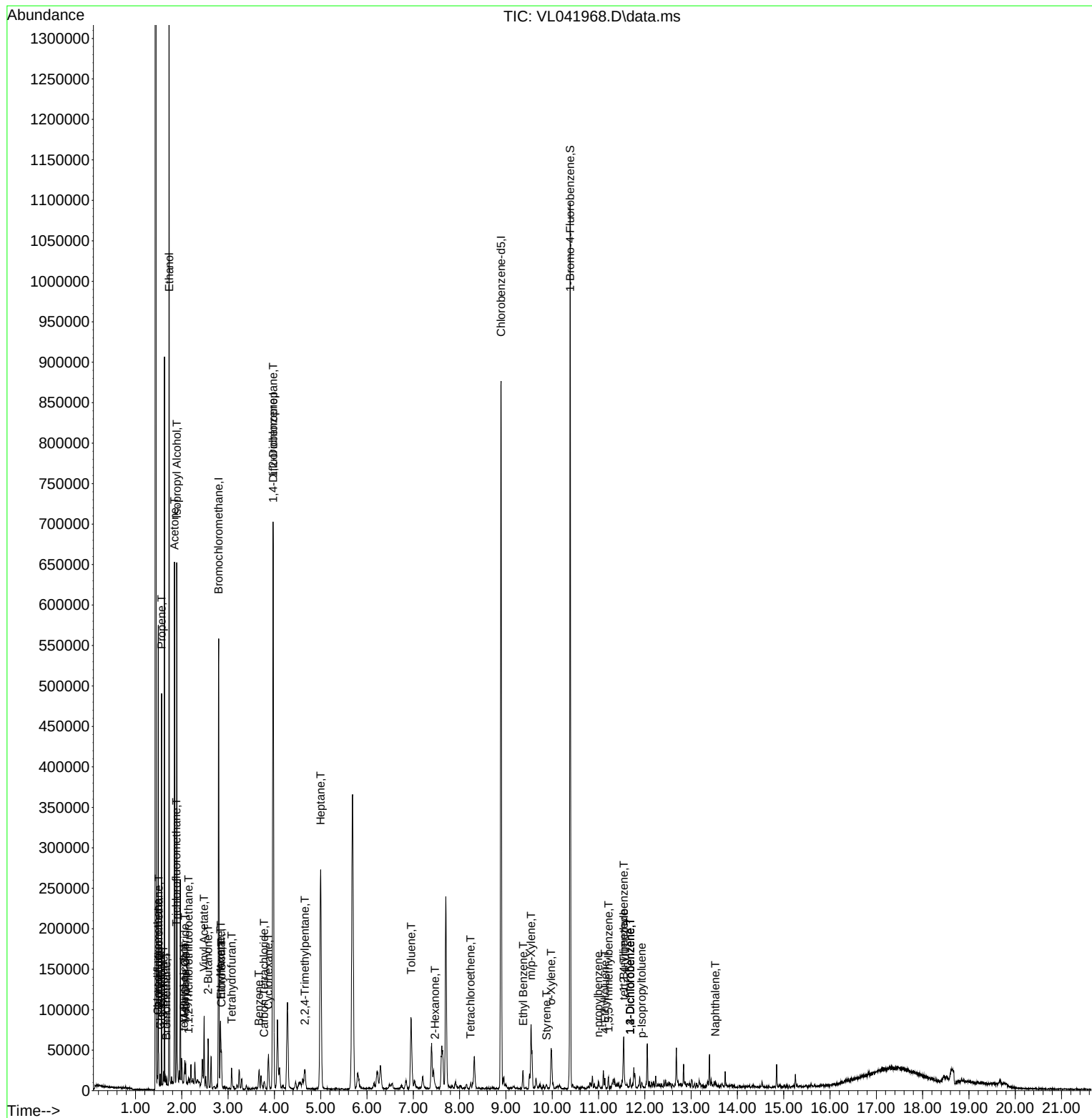
Quant Time: Feb 04 02:39:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

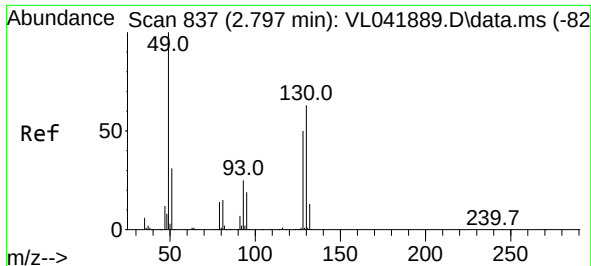
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Feb 04 02:39:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
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QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

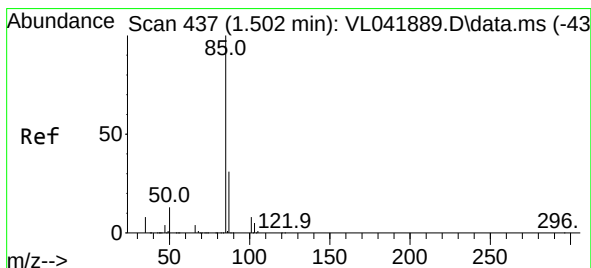
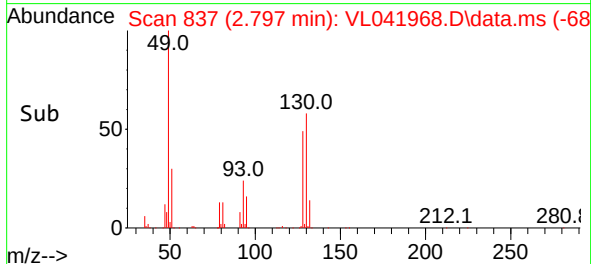
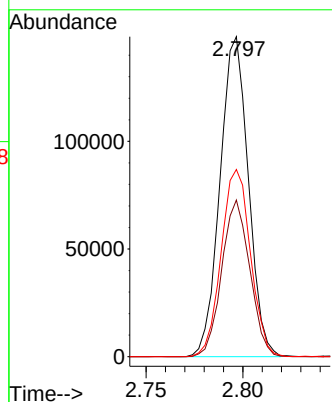
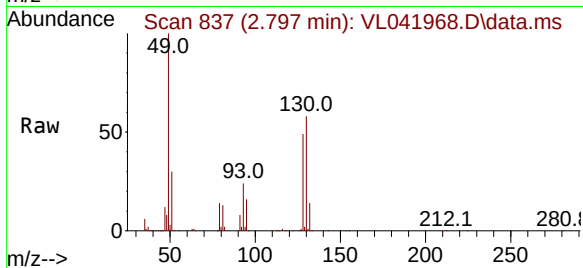




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 837
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

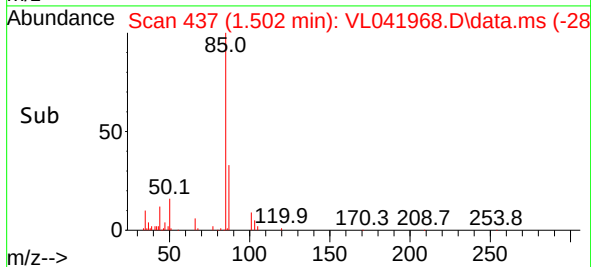
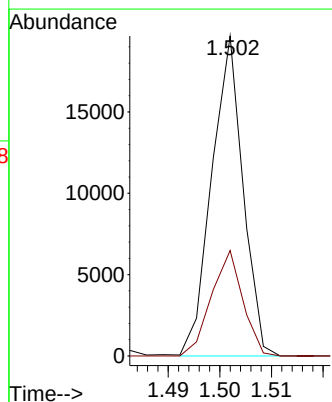
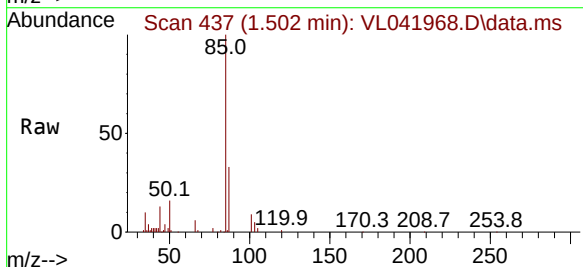
Instrument :
MSVOA_L
ClientSampleId :

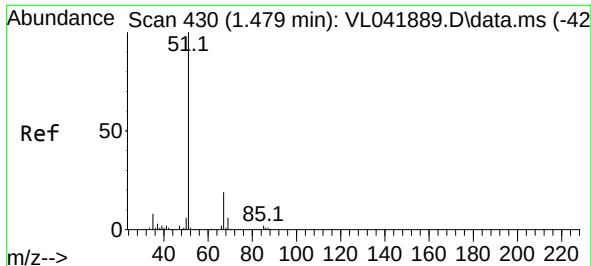
Tgt Ion: 49 Resp: 151310
Ion Ratio Lower Upper
49 100
128 48.4 24.3 73.0
130 60.6 31.1 93.2



#2
Dichlorodifluoromethane
Concen: 0.401 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion: 85 Resp: 8269
Ion Ratio Lower Upper
85 100
87 33.0 24.9 37.3

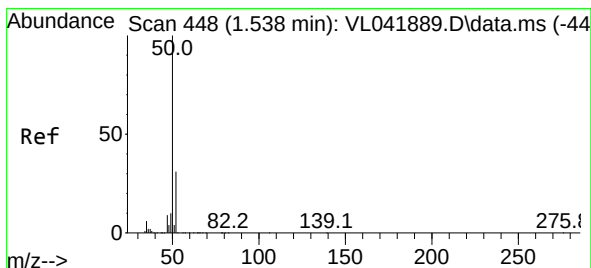
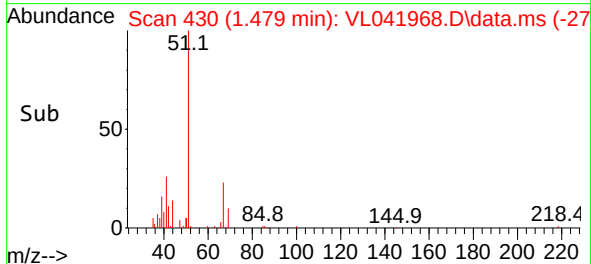
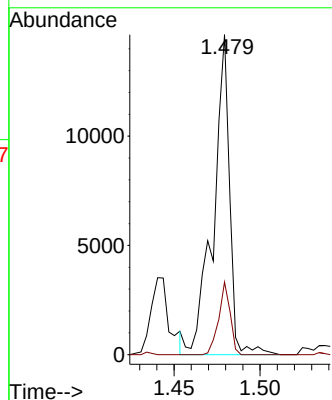
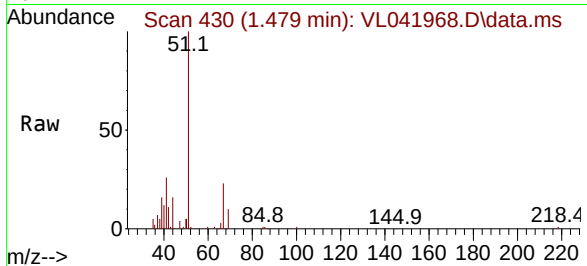




#3
Chlorodifluoromethane
Concen: 0.446 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

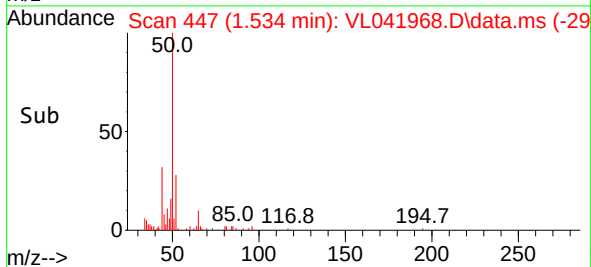
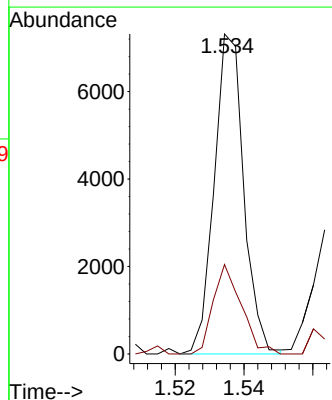
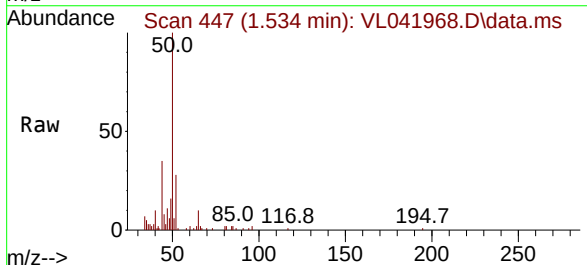
Instrument :
MSVOA_L
ClientSampleId :

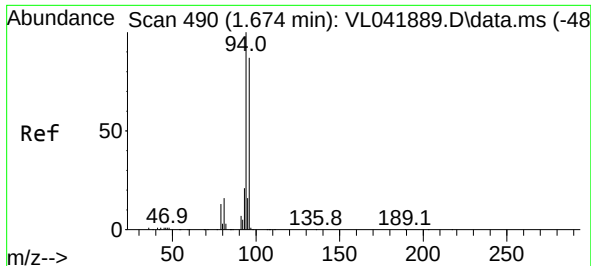
Tgt Ion: 51 Resp: 9626
Ion Ratio Lower Upper
51 100
67 16.0 15.0 22.4



#4
Chloromethane
Concen: 0.564 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion: 50 Resp: 4372
Ion Ratio Lower Upper
50 100
52 27.9 24.6 36.8

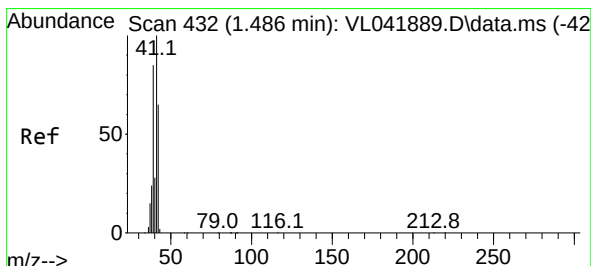
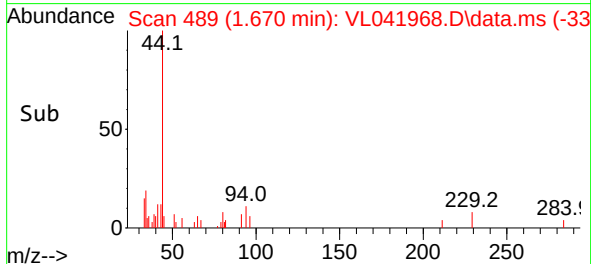
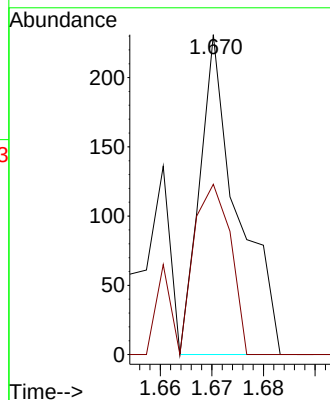
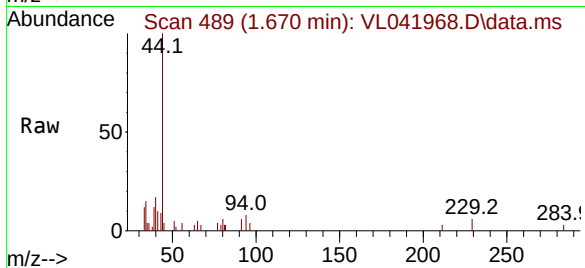




#6
Bromomethane
Concen: 0.032 ppbv
RT: 1.670 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

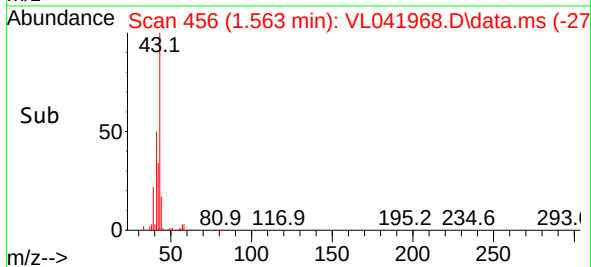
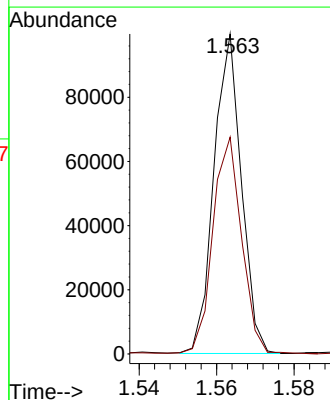
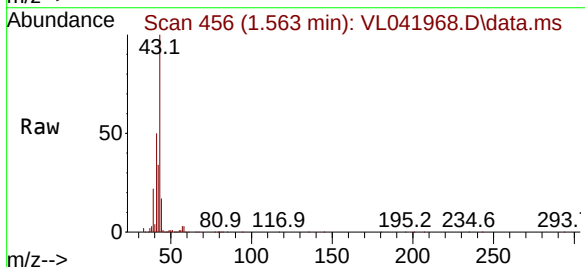
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MSVOA_L
ClientSampleId :

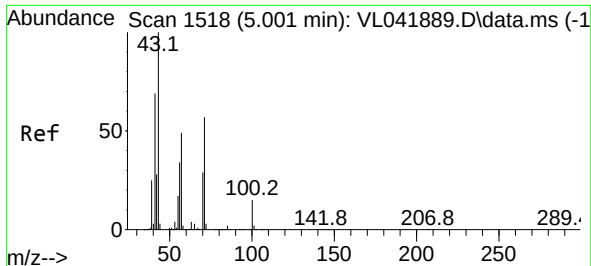
Tgt Ion: 94 Resp: 118
Ion Ratio Lower Upper
94 100
96 53.2 69.5 104.3#



#9
Propene
Concen: 5.497 ppbv
RT: 1.563 min Scan# 456
Delta R.T. 0.078 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion: 41 Resp: 48888
Ion Ratio Lower Upper
41 100
42 71.8 52.0 78.0

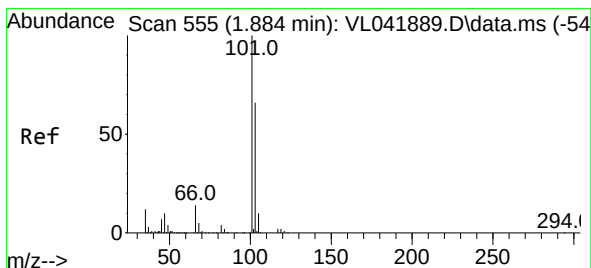
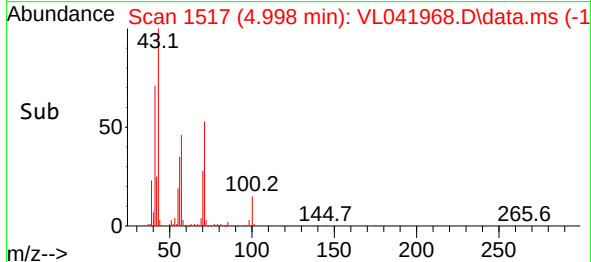
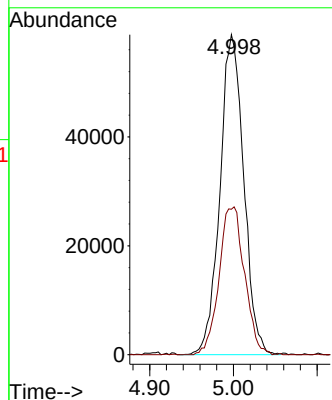
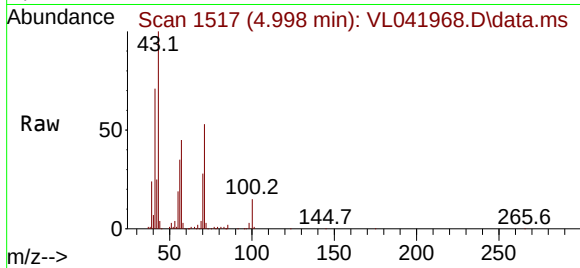




#10
Heptane
Concen: 4.882 ppbv
RT: 4.998 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

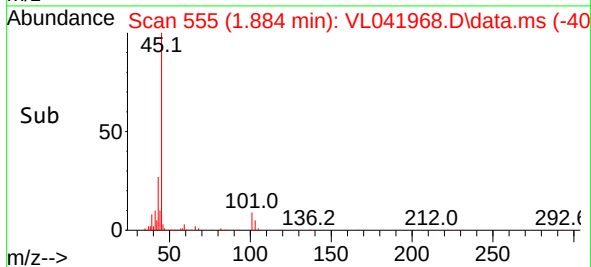
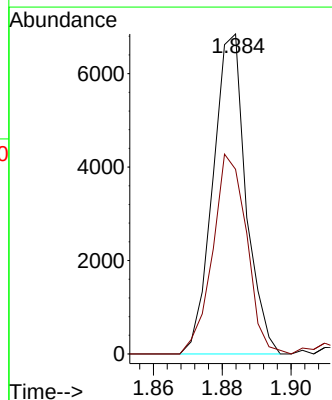
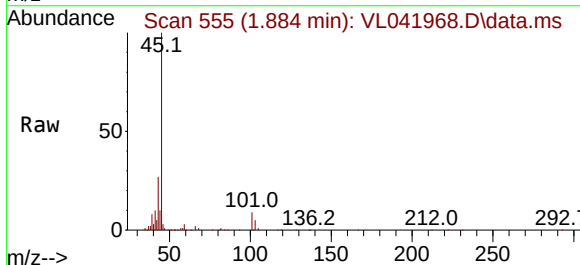
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MSVOA_L
ClientSampleId :

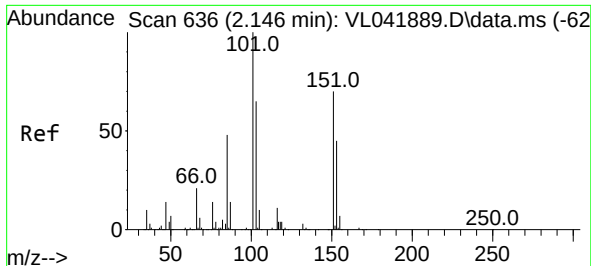
Tgt Ion: 43 Resp: 116074
Ion Ratio Lower Upper
43 100
57 49.4 41.0 61.4



#11
Trichlorofluoromethane
Concen: 0.213 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion:101 Resp: 4568
Ion Ratio Lower Upper
101 100
103 57.7 53.1 79.7

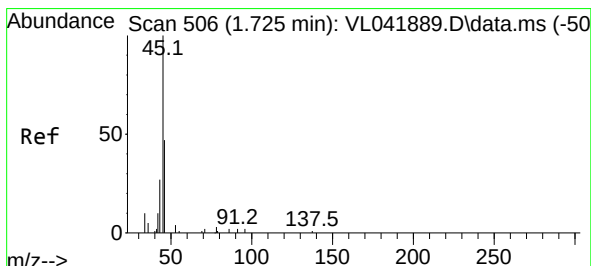
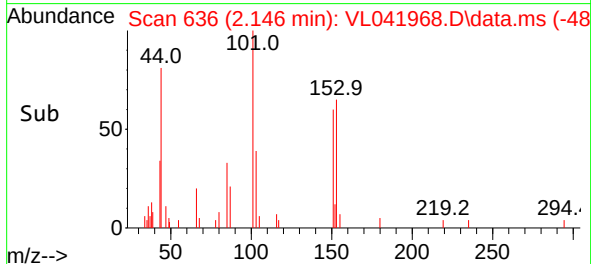
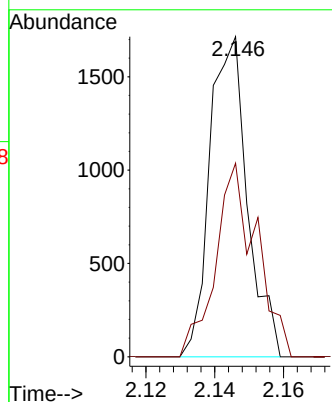
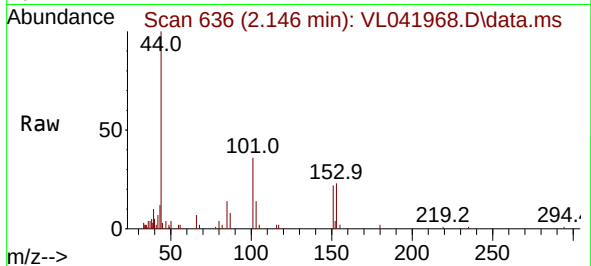




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.077 ppbv
 RT: 2.146 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL041968.D
 Acq: 03 Feb 2025 17:08

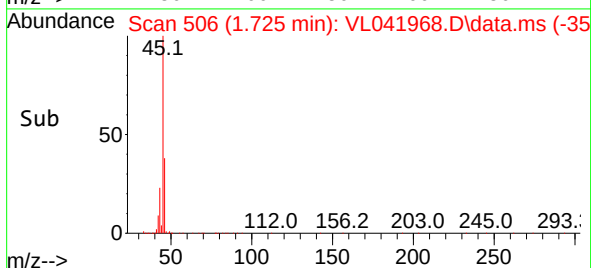
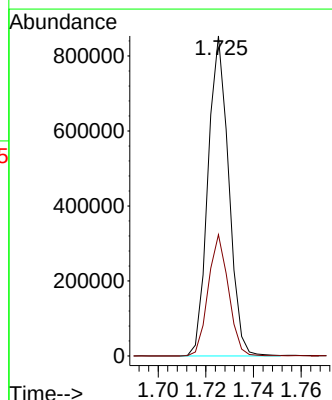
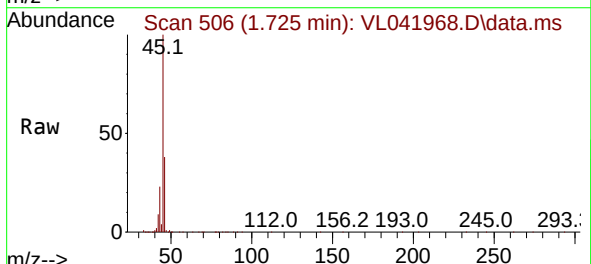
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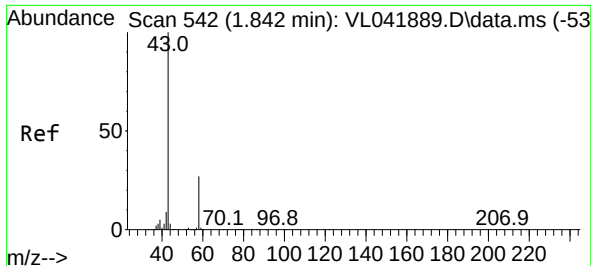
Tgt Ion:101 Resp: 1300
 Ion Ratio Lower Upper
 101 100
 151 65.8 56.1 84.1



#13
 Ethanol
 Concen: 789.838 ppbv
 RT: 1.725 min Scan# 506
 Delta R.T. -0.000 min
 Lab File: VL041968.D
 Acq: 03 Feb 2025 17:08

Tgt Ion: 45 Resp: 514568
 Ion Ratio Lower Upper
 45 100
 46 37.3 18.1 72.5

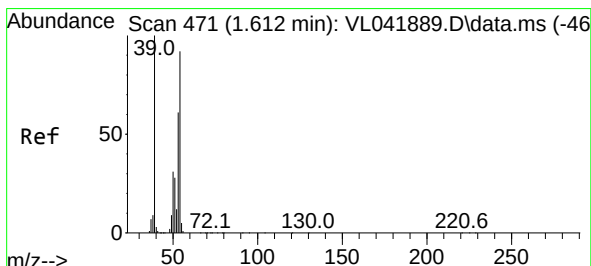
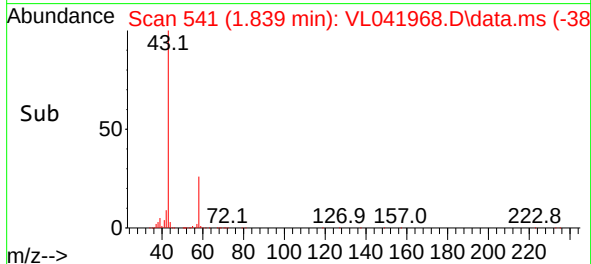
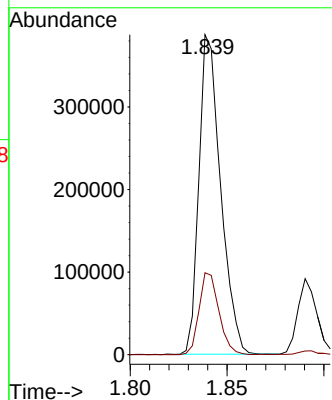
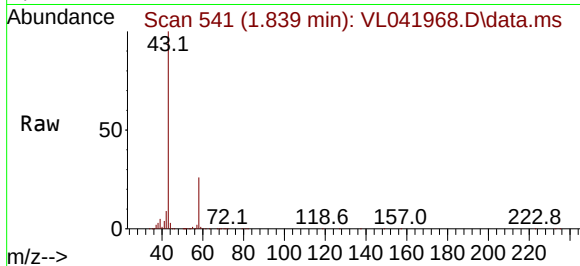




#15
Acetone
Concen: 16.638 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

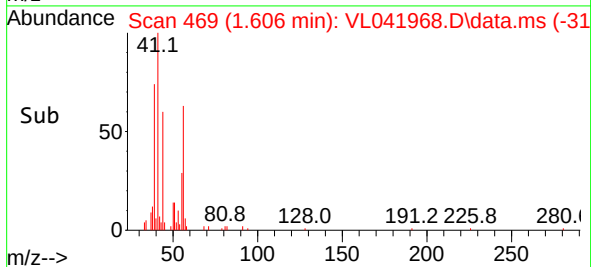
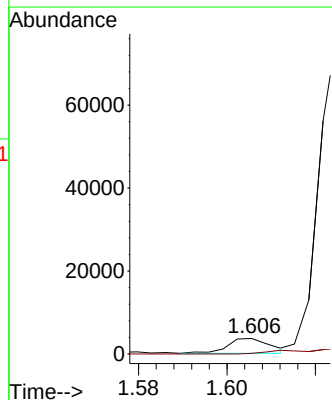
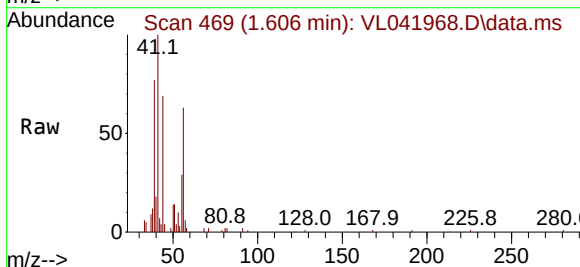
Instrument :
MSVOA_L
ClientSampleId :

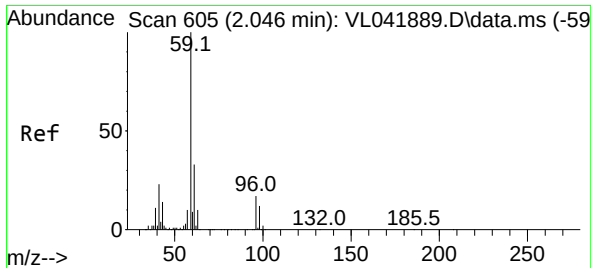
Tgt Ion: 43 Resp: 302369
Ion Ratio Lower Upper
43 100
58 23.5 21.9 32.9



#16
1,3-Butadiene
Concen: 0.290 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.007 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion: 39 Resp: 2368
Ion Ratio Lower Upper
39 100
54 0.0 61.6 92.4#





#17

tert-Butyl alcohol

Concen: 0.074 ppbv

RT: 2.049 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL041968.D

Acq: 03 Feb 2025 17:08

Instrument :

MSVOA_L

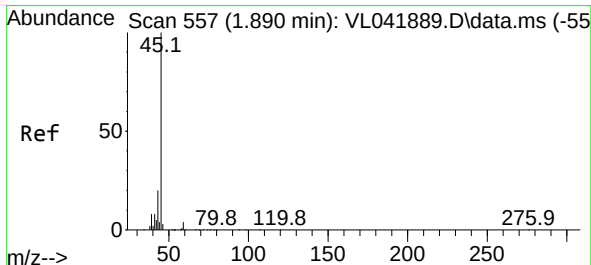
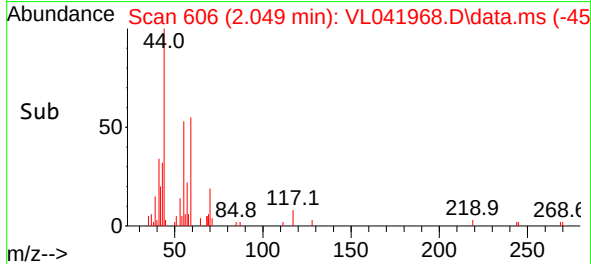
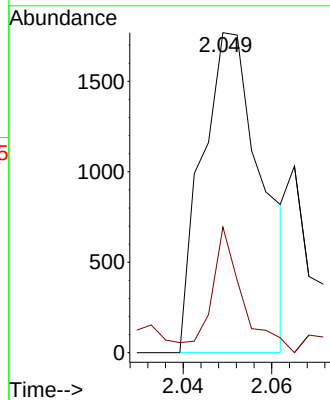
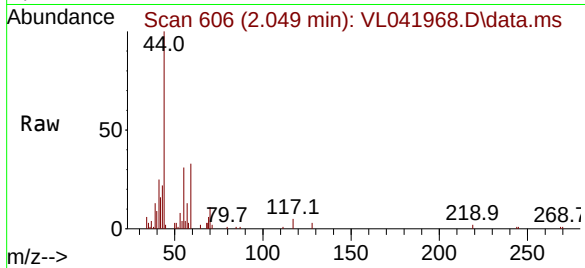
ClientSampleId :

Tgt Ion: 59 Resp: 1651

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#19

Isopropyl Alcohol

Concen: 24.977 ppbv

RT: 1.890 min Scan# 557

Delta R.T. -0.000 min

Lab File: VL041968.D

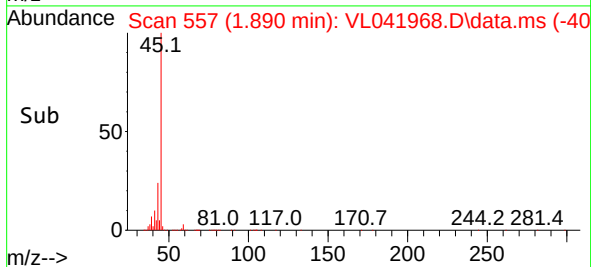
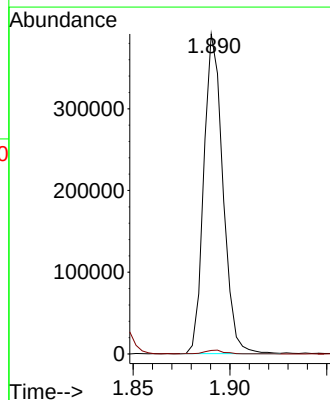
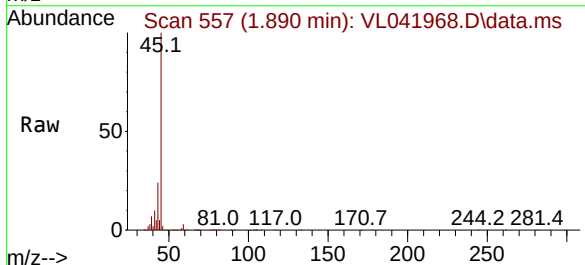
Acq: 03 Feb 2025 17:08

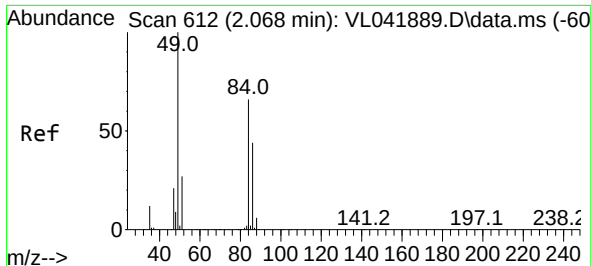
Tgt Ion: 45 Resp: 269134

Ion Ratio Lower Upper

45 100

58 1.2 35.0 52.6#





#20

Methylene Chloride

Concen: 0.348 ppbv

RT: 2.068 min Scan# 612

Delta R.T. -0.000 min

Lab File: VL041968.D

Acq: 03 Feb 2025 17:08

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 84 Resp: 2500

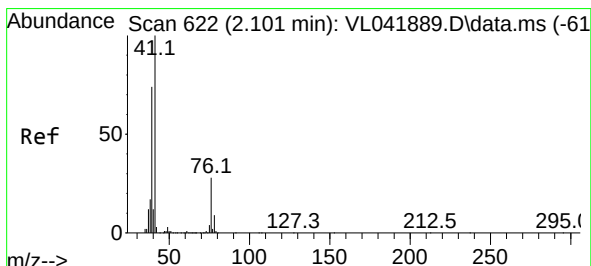
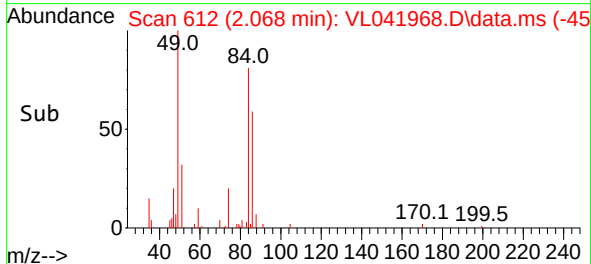
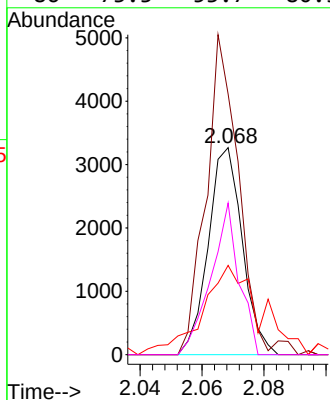
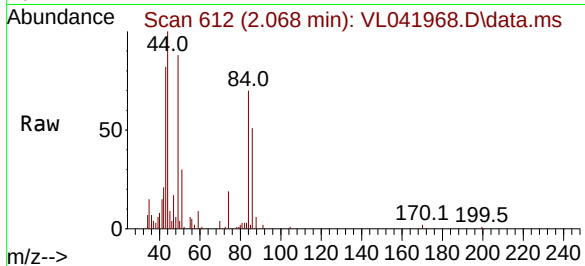
Ion Ratio Lower Upper

84 100

49 125.9 123.1 184.7

51 34.1 35.8 53.8#

86 73.3 53.7 80.5



#21

Allyl Chloride

Concen: 0.187 ppbv

RT: 2.085 min Scan# 617

Delta R.T. -0.016 min

Lab File: VL041968.D

Acq: 03 Feb 2025 17:08

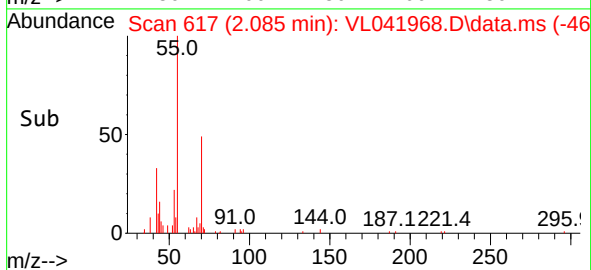
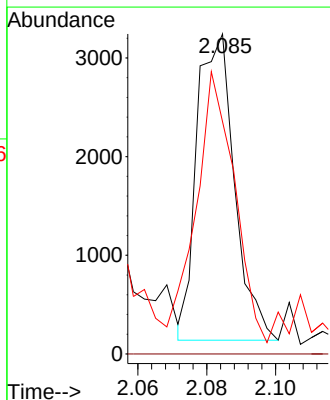
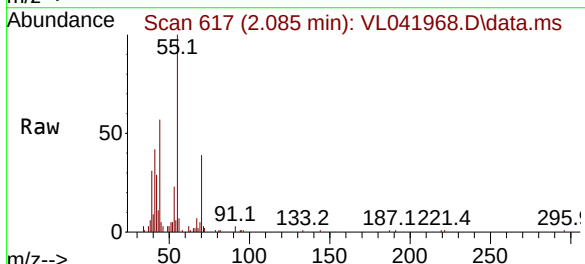
Tgt Ion: 41 Resp: 2348

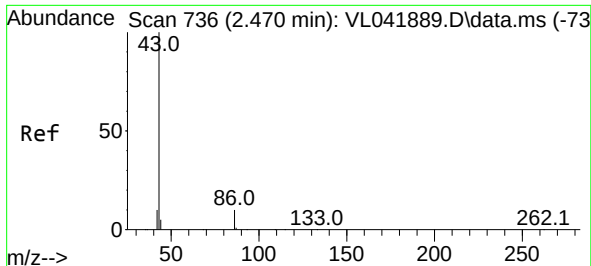
Ion Ratio Lower Upper

41 100

76 0.0 24.2 36.4#

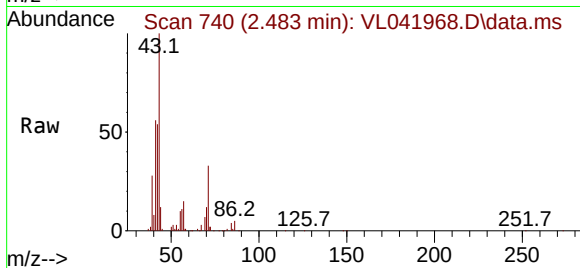
39 136.9 60.6 91.0#



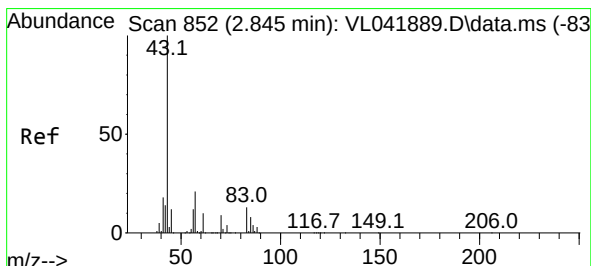
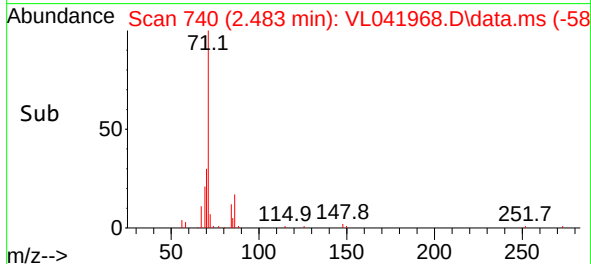
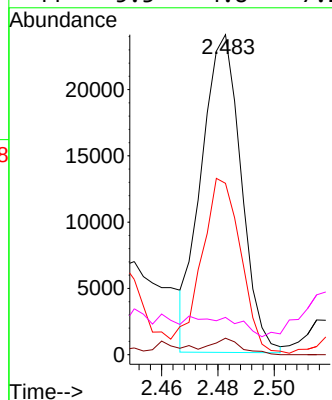


#23
 Vinyl Acetate
 Concen: 2.611 ppbv
 RT: 2.483 min Scan# 740
 Delta R.T. 0.013 min
 Lab File: VL041968.D
 Acq: 03 Feb 2025 17:08

Instrument :
 MSVOA_L
 ClientSampleId :

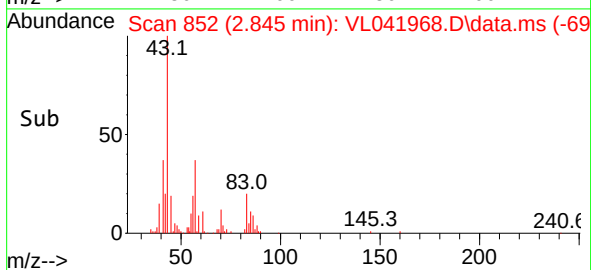
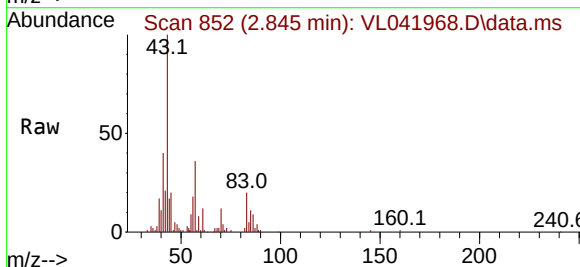
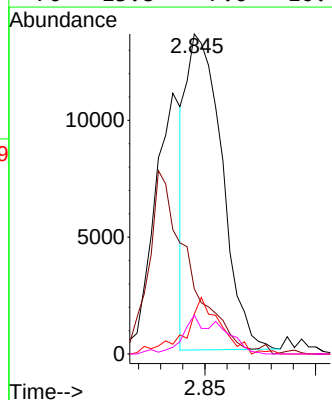


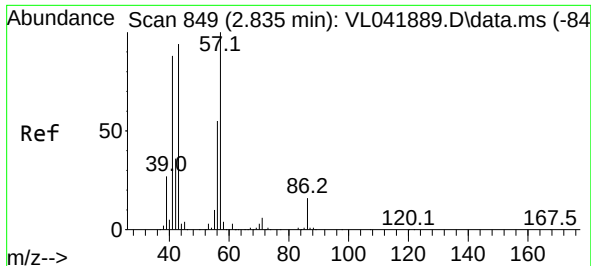
Tgt	Ion: 43	Resp:	23518
Ion	Ratio	Lower	Upper
43	100		
86	5.3	6.2	9.4#
42	53.7	8.5	12.7#
44	5.3	4.8	7.2



#25
 Ethyl Acetate
 Concen: 0.309 ppbv
 RT: 2.845 min Scan# 852
 Delta R.T. -0.000 min
 Lab File: VL041968.D
 Acq: 03 Feb 2025 17:08

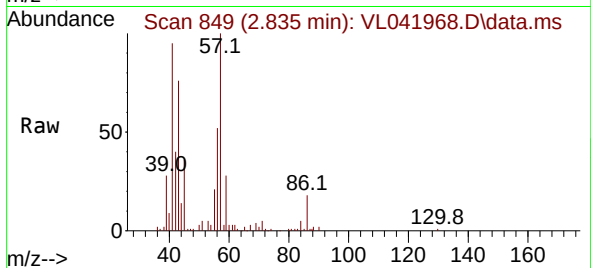
Tgt Ion: 43	Resp: 15160
Ion Ratio	Lower Upper
43 100	
45 0.0	8.2 12.2#
61 17.9	7.4 11.0#
70 13.8	7.0 10.4#



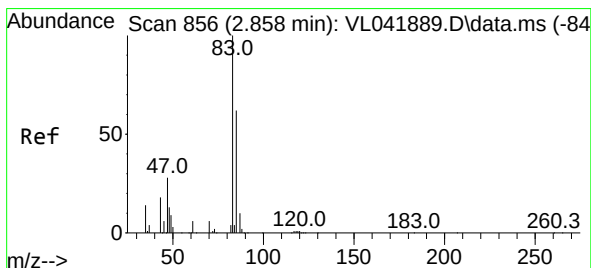
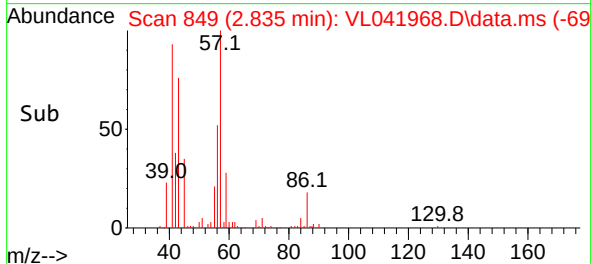
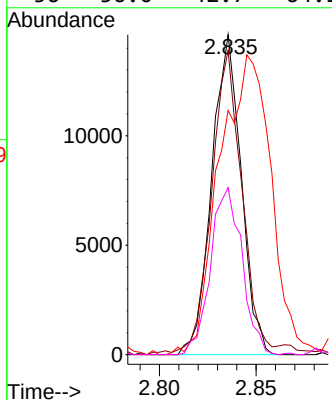


#26
Hexane
Concen: 0.796 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Instrument :
MSVOA_L
ClientSampleId :

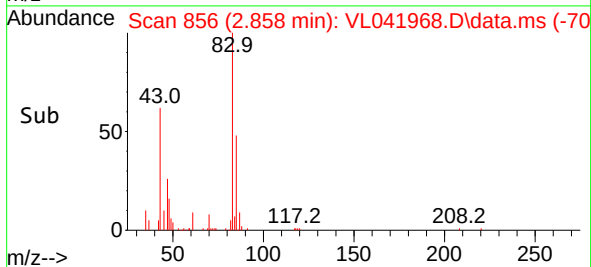
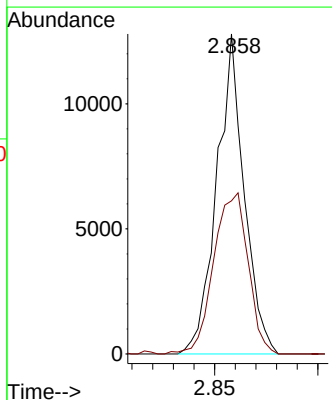
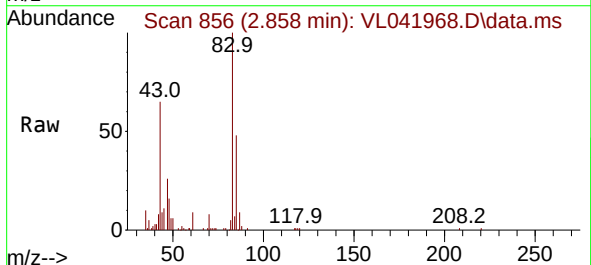


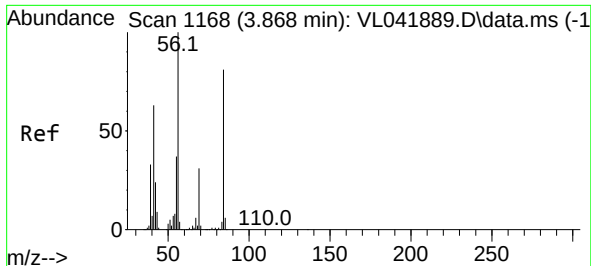
Tgt Ion: 57 Resp: 15435
Ion Ratio Lower Upper
57 100
41 101.1 73.8 110.8
43 168.3 197.3 295.9#
56 56.0 42.7 64.1



#29
Chloroform
Concen: 0.385 ppbv
RT: 2.858 min Scan# 856
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion: 83 Resp: 11809
Ion Ratio Lower Upper
83 100
85 47.8 50.1 75.1#

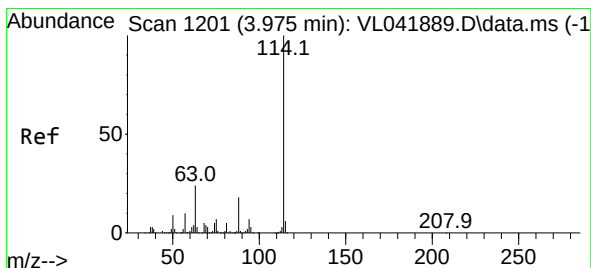
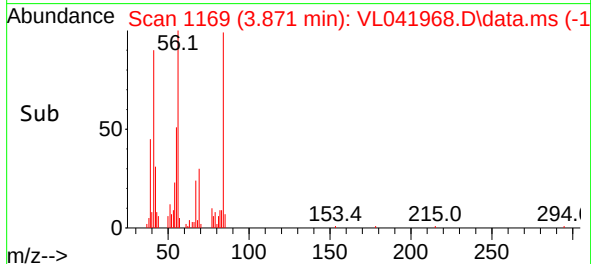
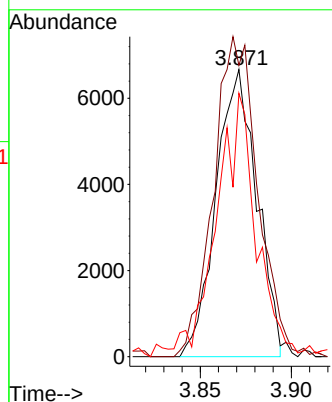
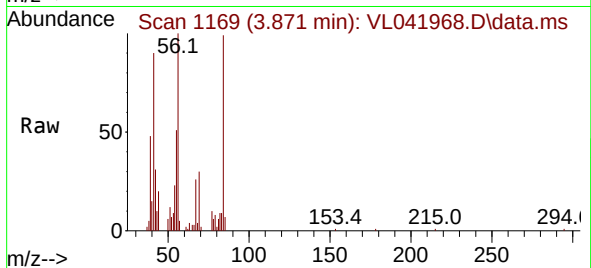




#30
Cyclohexane
Concen: 0.616 ppbv
RT: 3.871 min Scan# 1169
Delta R.T. 0.003 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

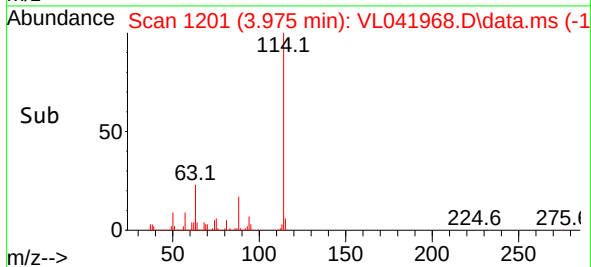
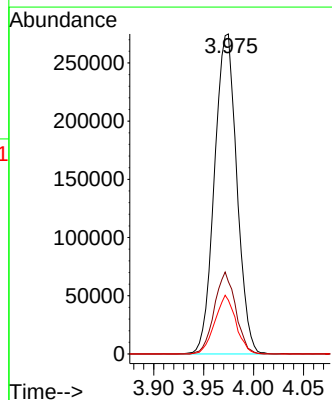
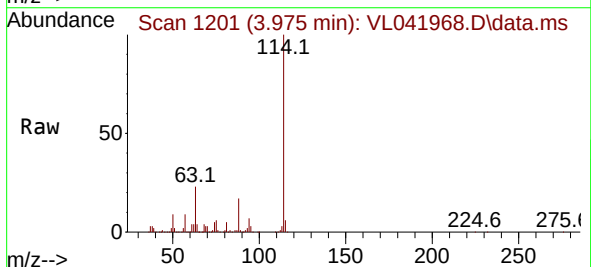
Instrument :
MSVOA_L
ClientSampleId :

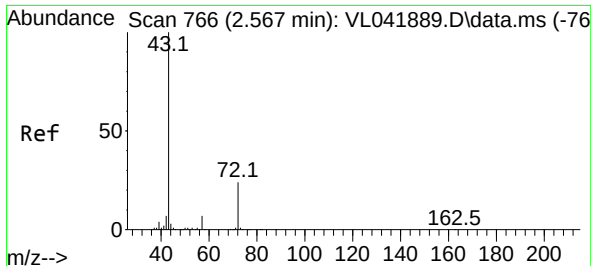
Tgt Ion: 84 Resp: 10357
Ion Ratio Lower Upper
84 100
56 121.6 99.3 148.9
41 92.8 64.3 96.5



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion: 114 Resp: 428310
Ion Ratio Lower Upper
114 100
63 24.5 19.8 29.6
88 17.3 14.4 21.6

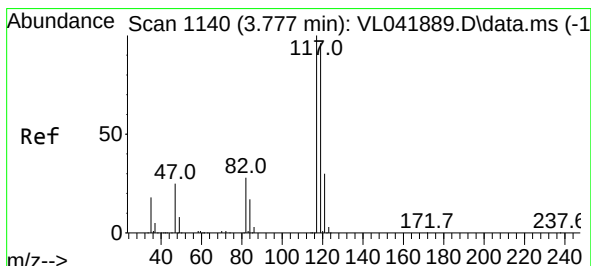
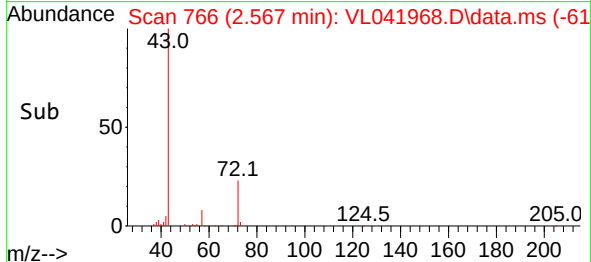
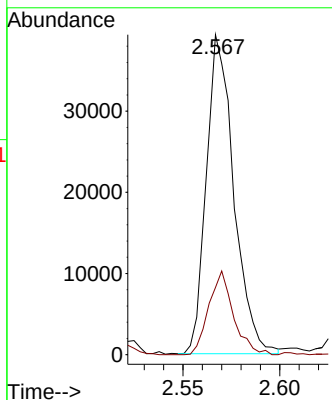
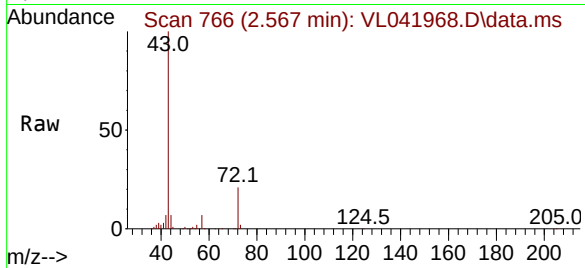




#34
2-Butanone
Concen: 1.426 ppbv
RT: 2.567 min Scan# 766
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

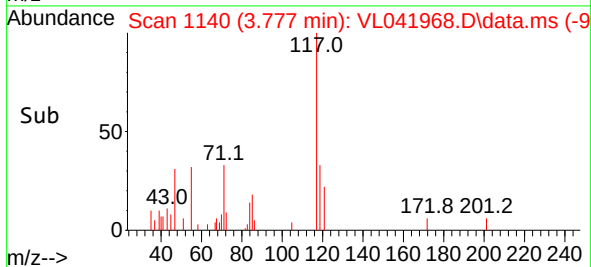
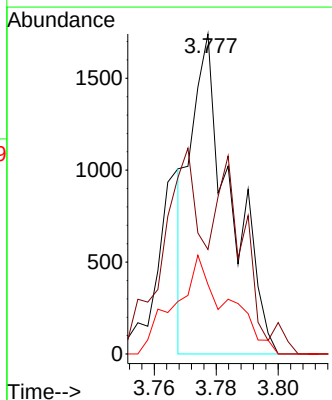
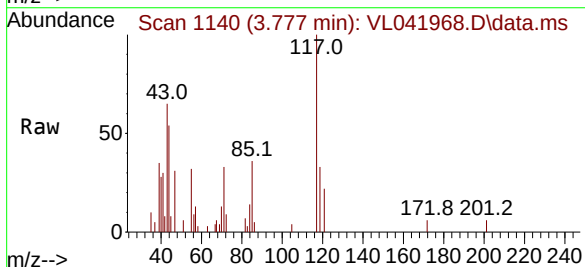
Instrument :
MSVOA_L
ClientSampleId :

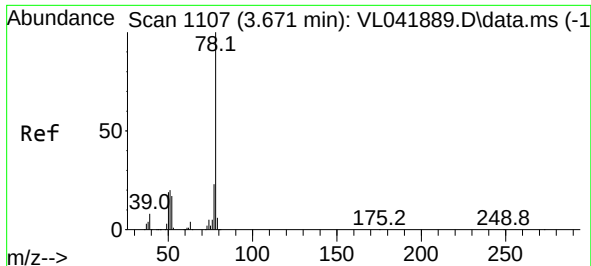
Tgt Ion: 43 Resp: 38831
Ion Ratio Lower Upper
43 100
72 24.1 18.6 28.0



#35
Carbon Tetrachloride
Concen: 0.058 ppbv
RT: 3.777 min Scan# 1140
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion: 117 Resp: 1549
Ion Ratio Lower Upper
117 100
119 22.9 76.9 115.3#
121 21.7 23.8 35.6#





#36

Benzene

Concen: 0.370 ppbv

RT: 3.667 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VL041968.D

Acq: 03 Feb 2025 17:08

Instrument :

MSVOA_L

ClientSampleId :

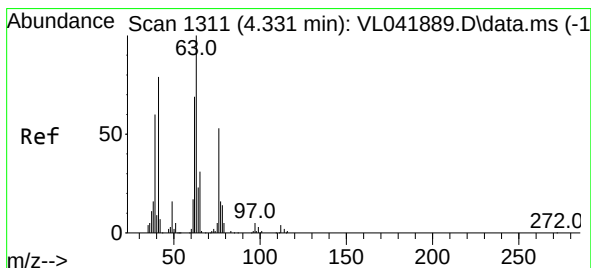
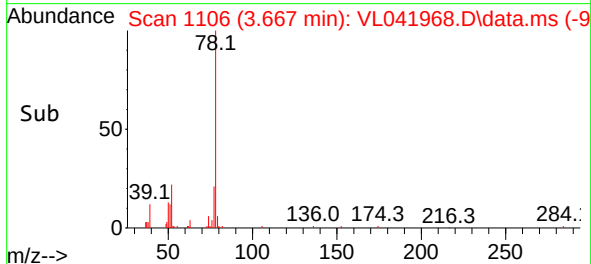
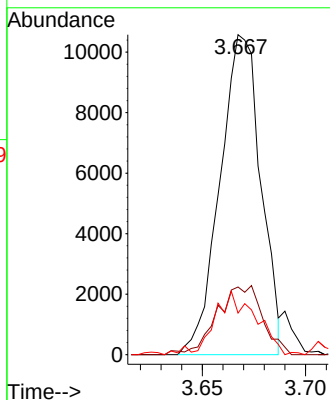
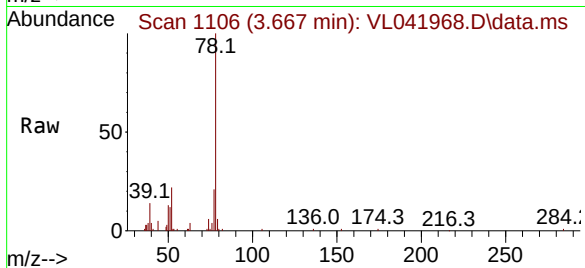
Tgt Ion: 78 Resp: 14531

Ion Ratio Lower Upper

78 100

77 20.0 18.1 27.1

50 12.4 15.2 22.8#



#39

1,2-Dichloropropane

Concen: 7.597 ppbv

RT: 3.972 min Scan# 1200

Delta R.T. -0.359 min

Lab File: VL041968.D

Acq: 03 Feb 2025 17:08

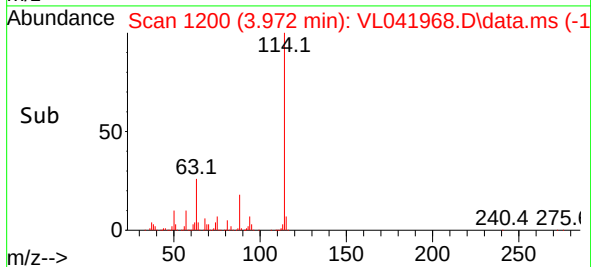
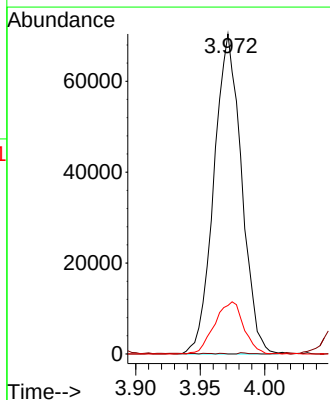
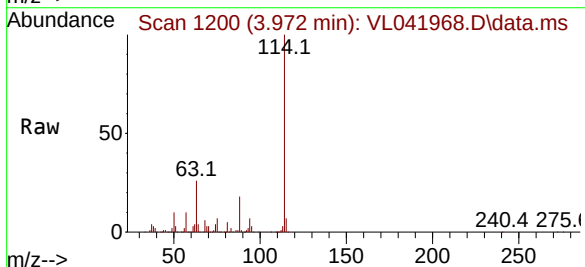
Tgt Ion: 63 Resp: 104684

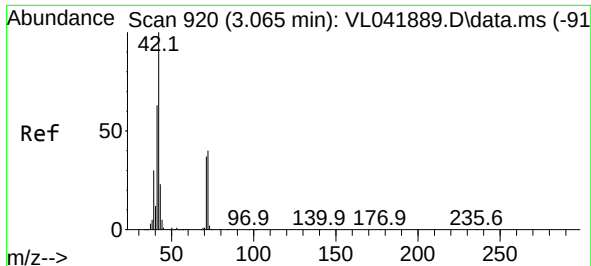
Ion Ratio Lower Upper

63 100

41 0.0 63.7 95.5#

62 15.2 55.4 83.2#

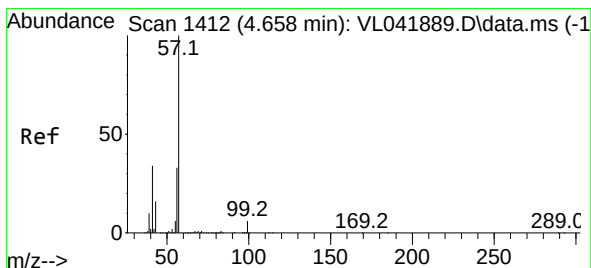
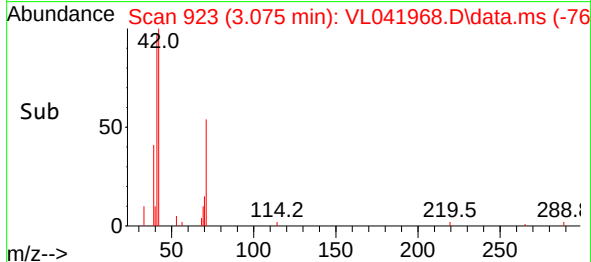
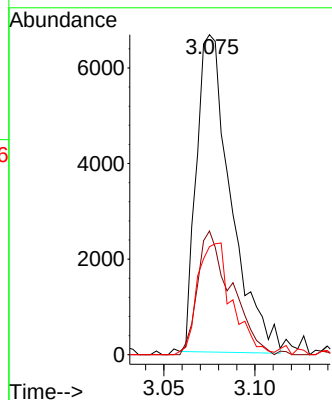
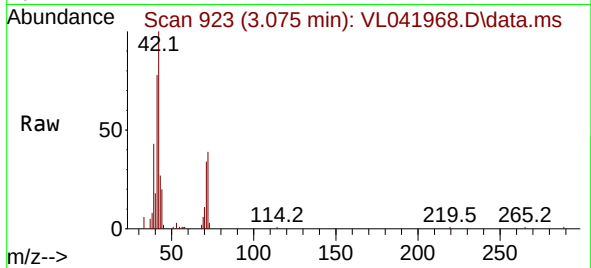




#41
Tetrahydrofuran
Concen: 0.591 ppbv
RT: 3.075 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

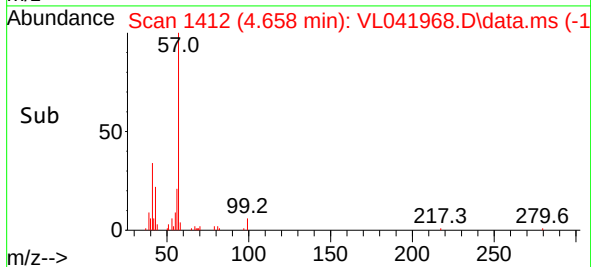
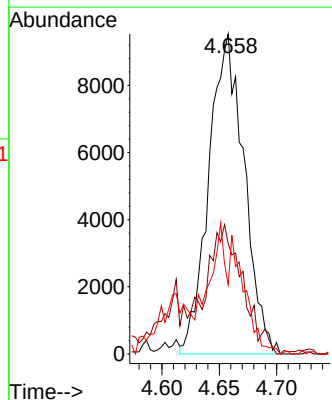
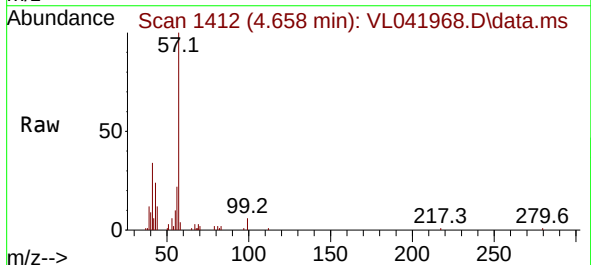
Instrument :
MSVOA_L
ClientSampleId :

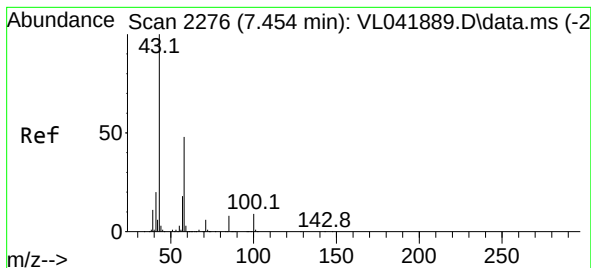
Tgt Ion: 42 Resp: 8752
Ion Ratio Lower Upper
42 100
72 38.4 32.3 48.5
71 35.8 29.9 44.9



#44
2,2,4-Trimethylpentane
Concen: 0.321 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion: 57 Resp: 20396
Ion Ratio Lower Upper
57 100
41 53.6 26.6 40.0#
56 52.3 25.4 38.2#





#51

2-Hexanone

Concen: 0.033 ppbv

RT: 7.467 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL041968.D

Acq: 03 Feb 2025 17:08

Instrument :

MSVOA_L

ClientSampleId :

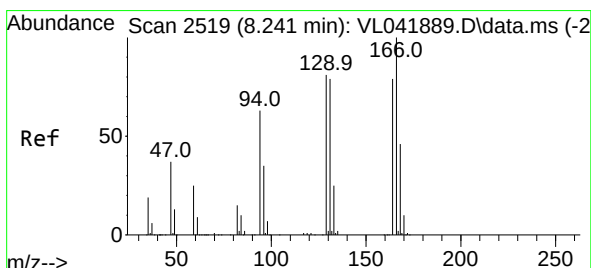
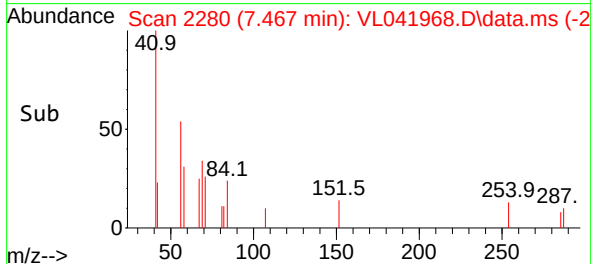
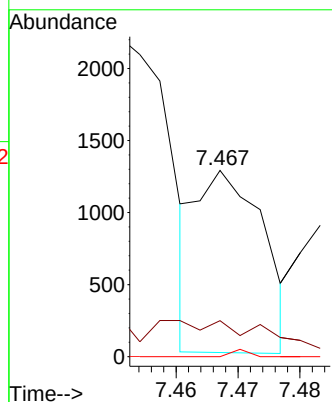
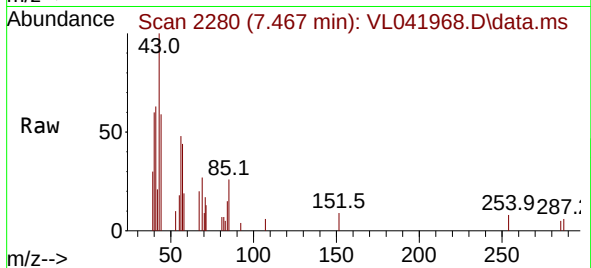
Tgt Ion: 43 Resp: 947

Ion Ratio Lower Upper

43 100

58 49.4 40.4 60.6

98 0.0 0.2 0.2#



#52

Tetrachloroethene

Concen: 0.030 ppbv

RT: 8.237 min Scan# 2518

Delta R.T. -0.003 min

Lab File: VL041968.D

Acq: 03 Feb 2025 17:08

Tgt Ion: 164 Resp: 410

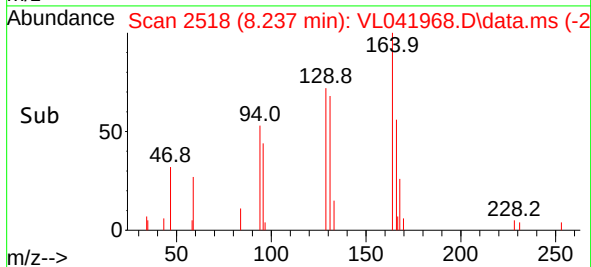
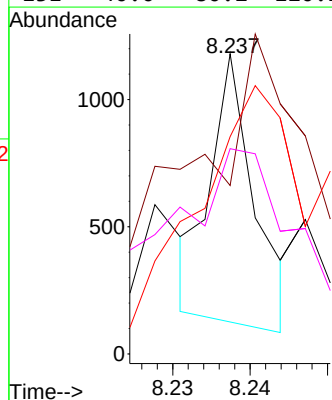
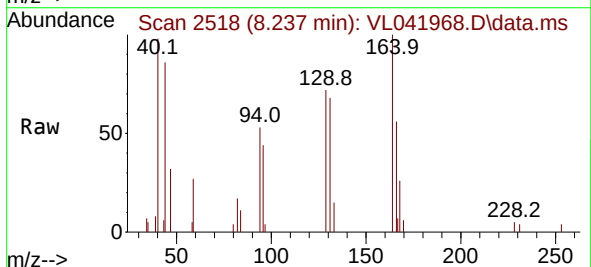
Ion Ratio Lower Upper

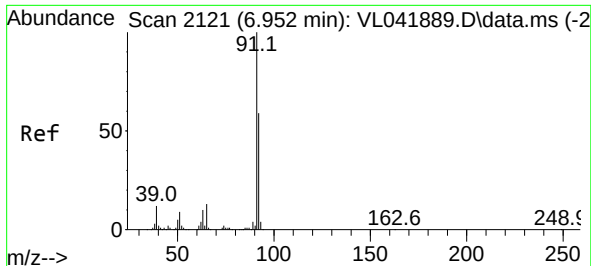
164 100

166 0.0 100.8 151.2#

129 41.1 82.0 123.0#

131 40.0 80.2 120.2#

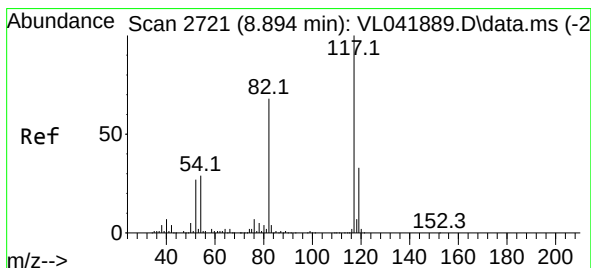
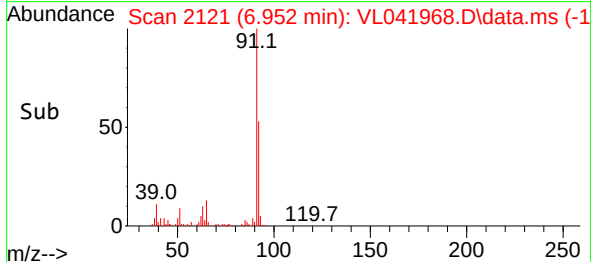
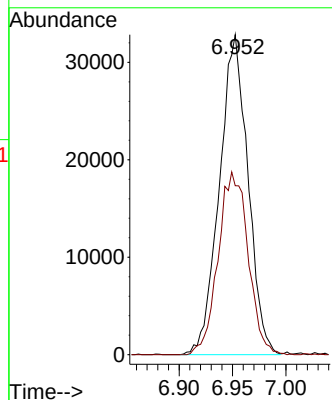
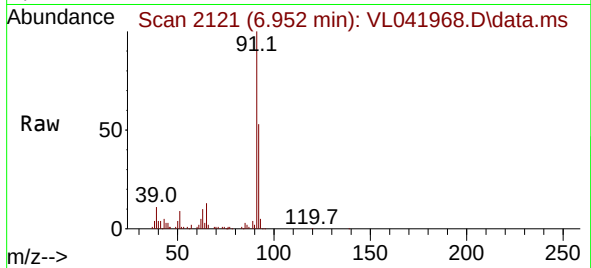




#53
Toluene
Concen: 1.426 ppbv
RT: 6.952 min Scan# 2121
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

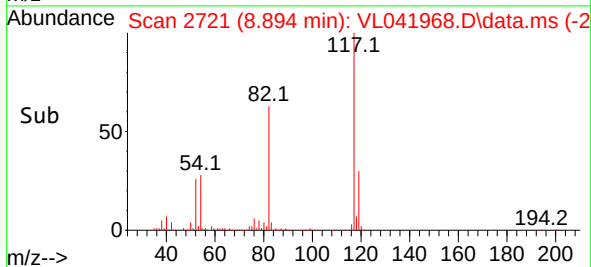
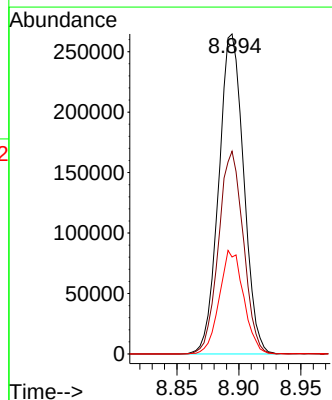
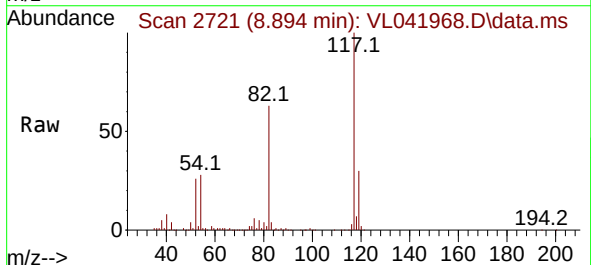
Instrument :
MSVOA_L
ClientSampleId :

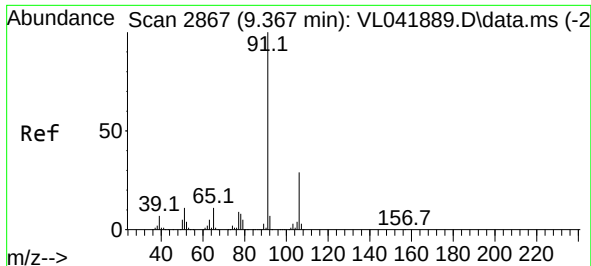
Tgt Ion: 91 Resp: 61026
Ion Ratio Lower Upper
91 100
92 59.8 47.4 71.0



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2721
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion: 117 Resp: 371013
Ion Ratio Lower Upper
117 100
82 63.2 54.2 81.4
119 31.6 25.0 37.6





#58

Ethyl Benzene

Concen: 0.206 ppbv

RT: 9.370 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041968.D

Acq: 03 Feb 2025 17:08

Instrument :

MSVOA_L

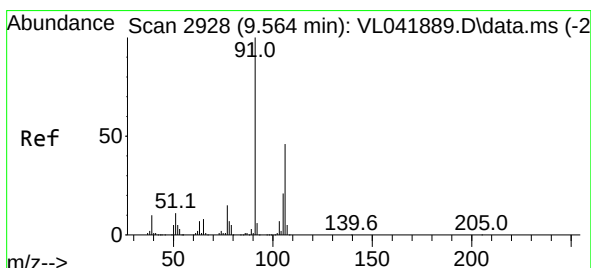
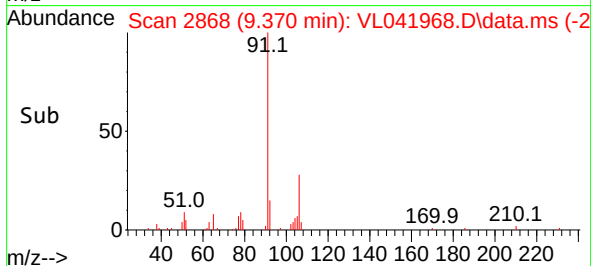
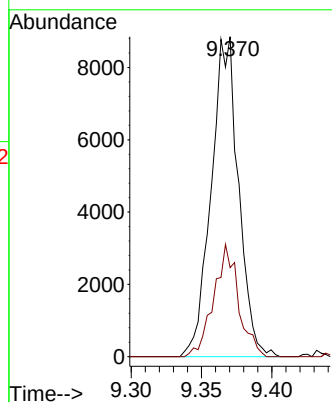
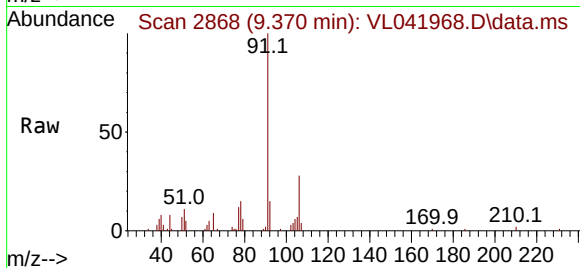
ClientSampleId :

Tgt Ion: 91 Resp: 11969

Ion Ratio Lower Upper

91 100

106 27.8 23.1 34.7



#59

m/p-Xylene

Concen: 0.841 ppbv

RT: 9.542 min Scan# 2921

Delta R.T. -0.023 min

Lab File: VL041968.D

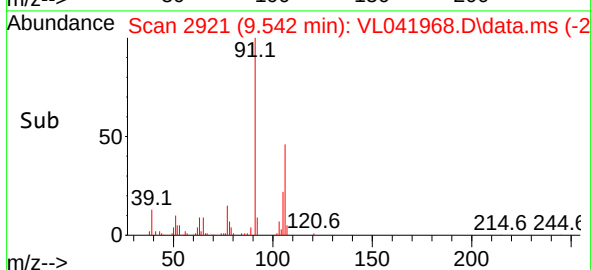
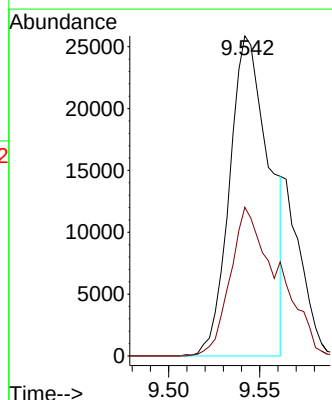
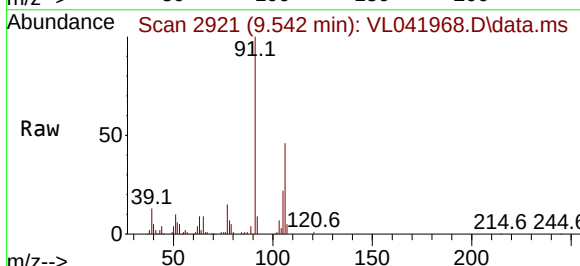
Acq: 03 Feb 2025 17:08

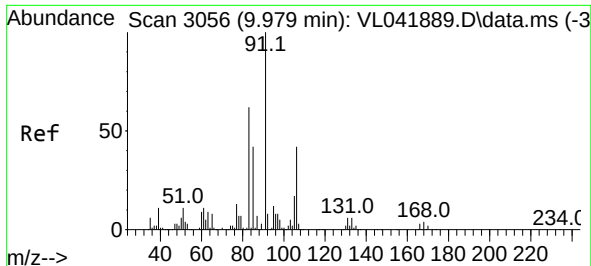
Tgt Ion: 91 Resp: 39081

Ion Ratio Lower Upper

91 100

106 56.3 36.0 54.0#

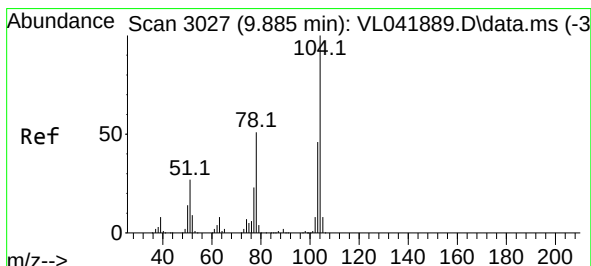
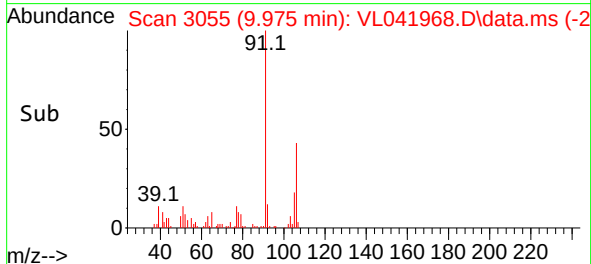
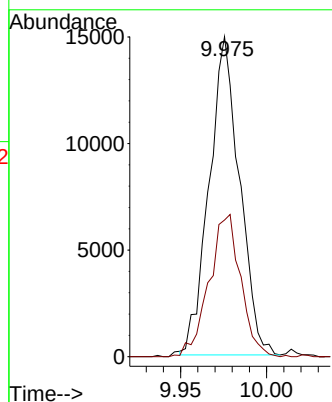
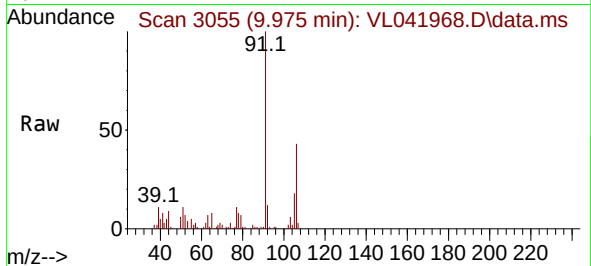




#60
o-Xylene
Concen: 0.398 ppbv
RT: 9.975 min Scan# 3055
Delta R.T. -0.003 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

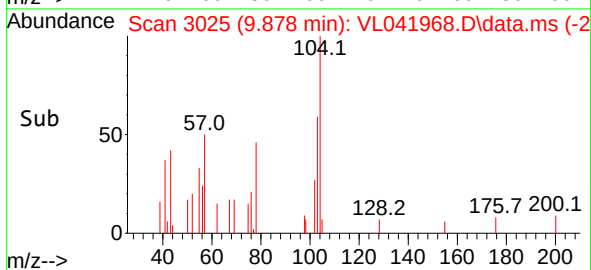
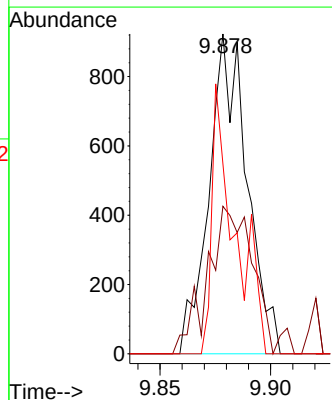
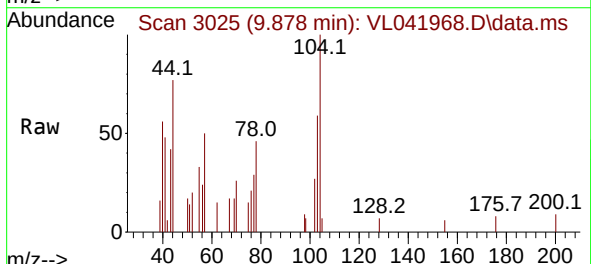
Instrument :
MSVOA_L
ClientSampleId :

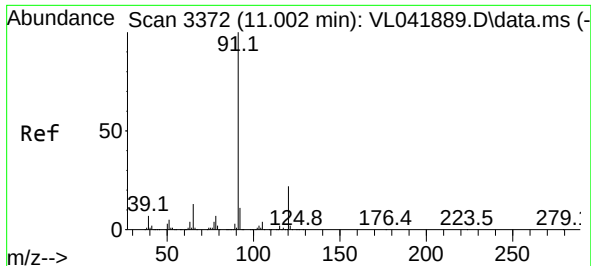
Tgt Ion: 91 Resp: 18381
Ion Ratio Lower Upper
91 100
106 46.5 21.3 63.9



#61
Styrene
Concen: 0.053 ppbv
RT: 9.878 min Scan# 3025
Delta R.T. -0.006 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion:104 Resp: 1102
Ion Ratio Lower Upper
104 100
78 56.4 41.0 61.6
103 50.7 37.2 55.8

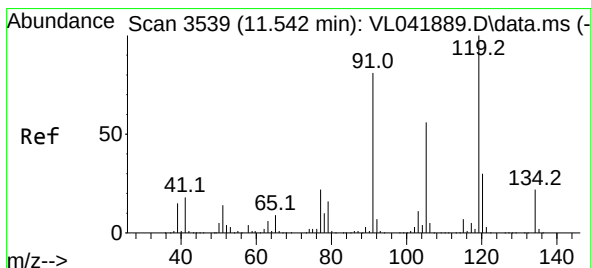
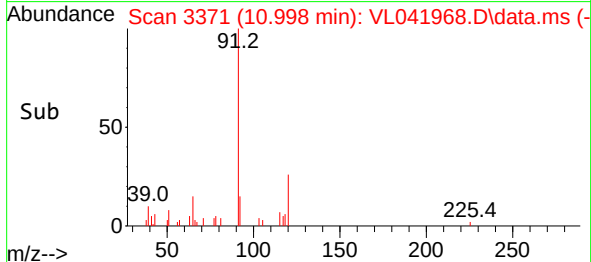
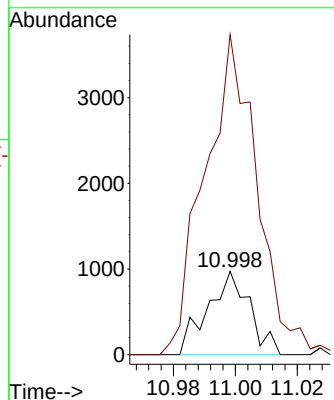
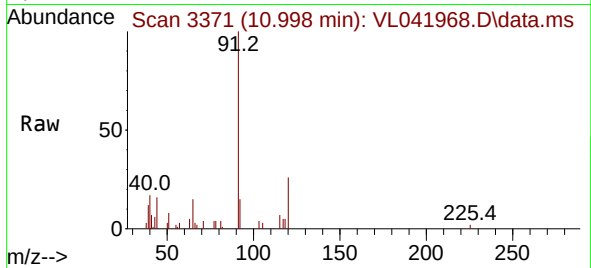




#64
n-propylbenzene
Concen: 0.051 ppbv
RT: 10.998 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

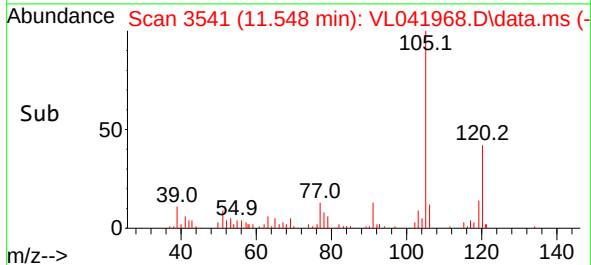
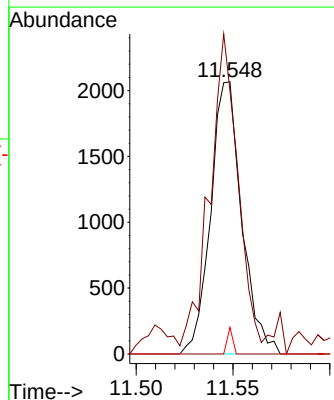
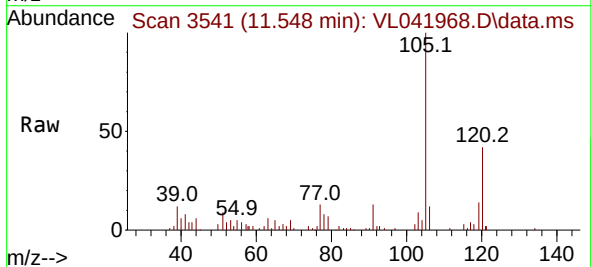
Instrument :
MSVOA_L
ClientSampleId :

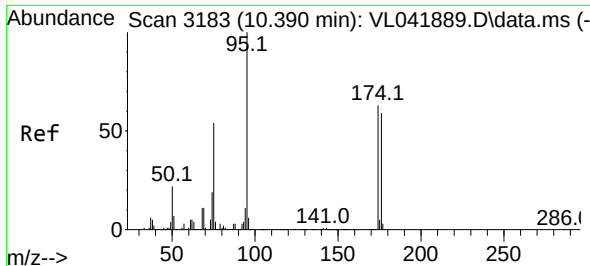
Tgt Ion:120 Resp: 911
Ion Ratio Lower Upper
120 100
91 491.7 374.1 561.1



#65
tert-Butylbenzene
Concen: 0.035 ppbv
RT: 11.548 min Scan# 3541
Delta R.T. 0.006 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion:119 Resp: 2306
Ion Ratio Lower Upper
119 100
91 123.0 64.6 97.0#
134 1.7 16.8 25.2#

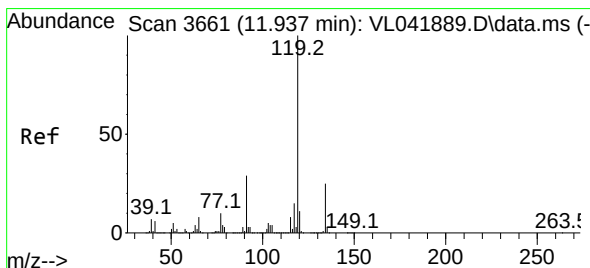
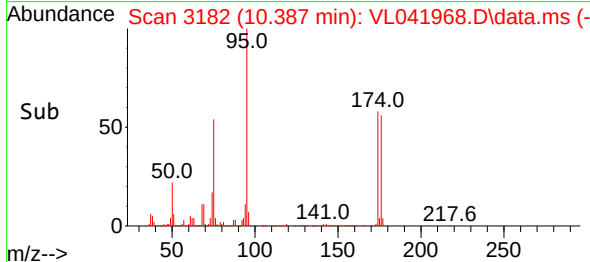
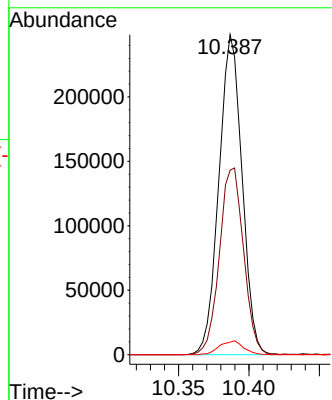
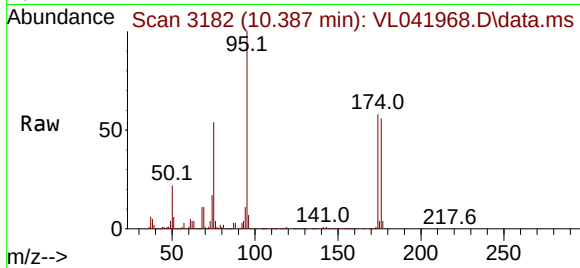




#68
1-Bromo-4-Fluorobenzene
Concen: 9.718 ppbv
RT: 10.387 min Scan# 3183
Delta R.T. -0.003 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

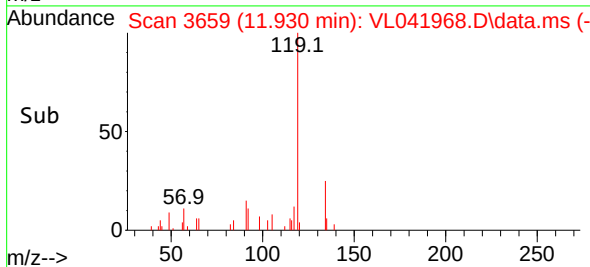
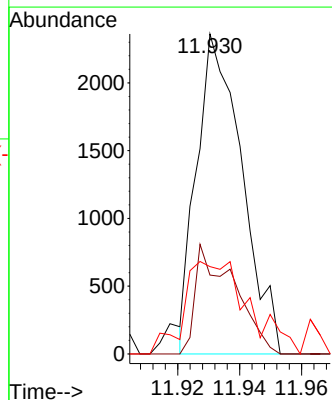
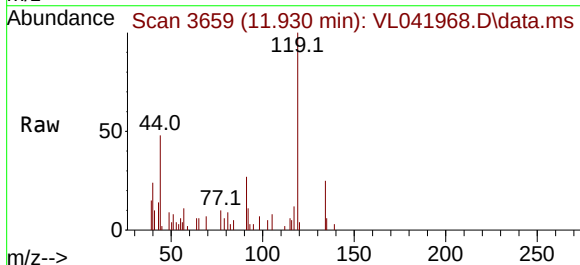
Instrument :
MSVOA_L
ClientSampleId :

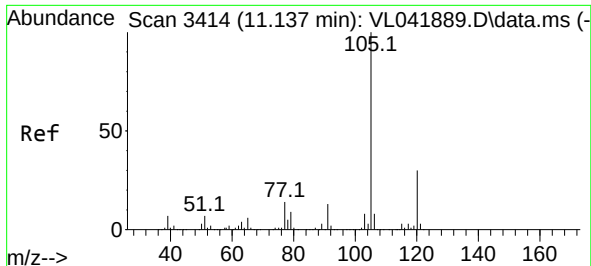
Tgt Ion: 95 Resp: 283971
Ion Ratio Lower Upper
95 100
174 61.1 49.0 73.4
175 4.5 3.8 5.8



#69
p-Isopropyltoluene
Concen: 0.032 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. -0.006 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion: 119 Resp: 2393
Ion Ratio Lower Upper
119 100
134 29.5 19.8 29.6
91 45.0 23.0 34.4#





#72

4-Ethyltoluene

Concen: 0.068 ppbv

RT: 11.137 min Scan# 3414

Delta R.T. -0.000 min

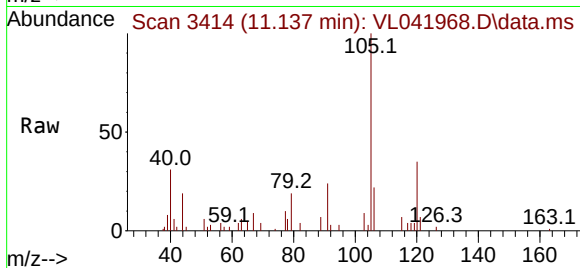
Lab File: VL041968.D

Acq: 03 Feb 2025 17:08

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:105 Resp: 3731

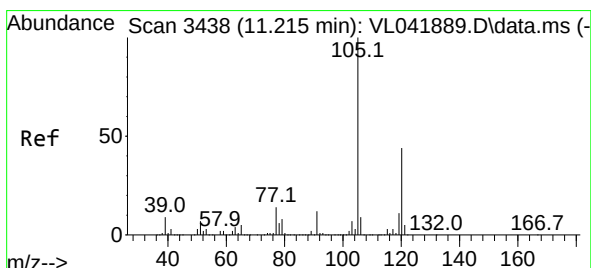
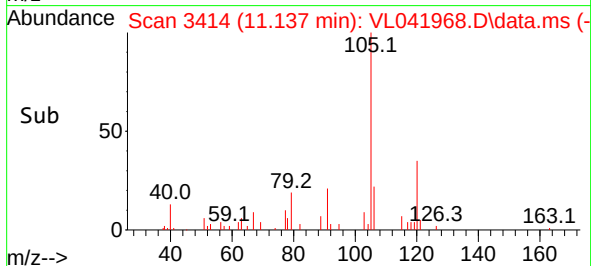
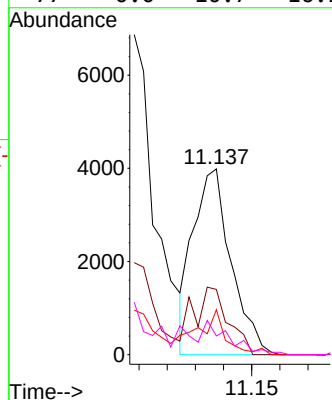
Ion Ratio Lower Upper

105 100

120 33.4 23.7 35.5

91 0.0 10.2 15.2#

77 0.0 10.7 16.1#



#73

1,3,5-Trimethylbenzene

Concen: 0.077 ppbv

RT: 11.215 min Scan# 3438

Delta R.T. -0.000 min

Lab File: VL041968.D

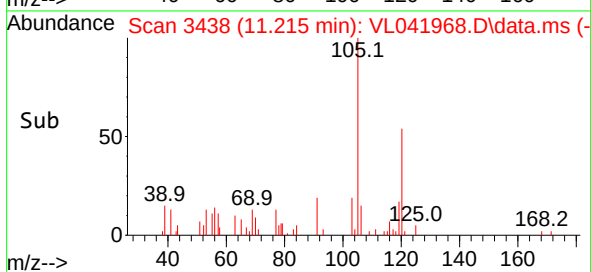
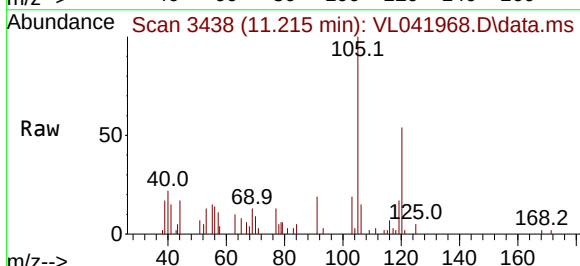
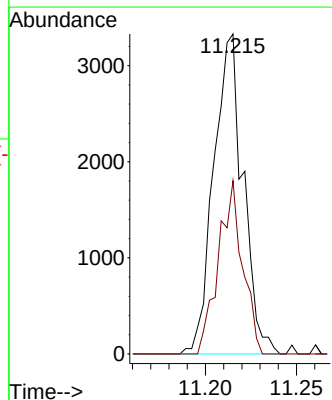
Acq: 03 Feb 2025 17:08

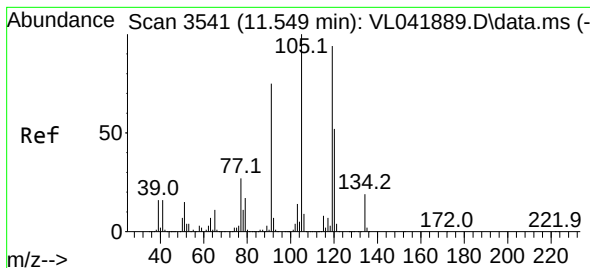
Tgt Ion:105 Resp: 3739

Ion Ratio Lower Upper

105 100

120 54.1 35.4 53.2#





#74

1,2,4-Trimethylbenzene

Concen: 0.344 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. -0.003 min

Lab File: VL041968.D

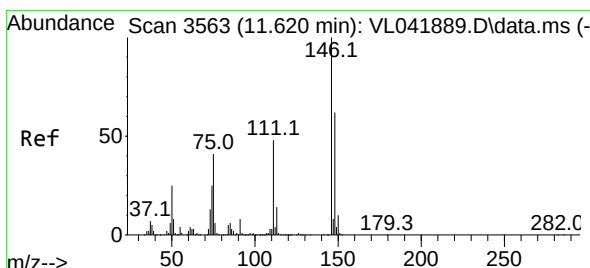
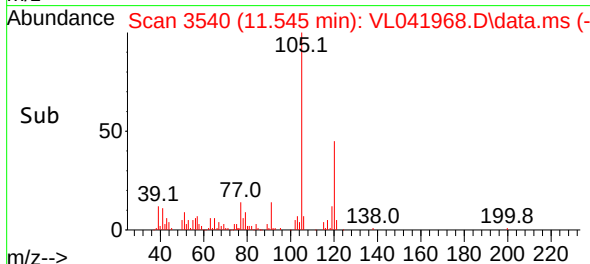
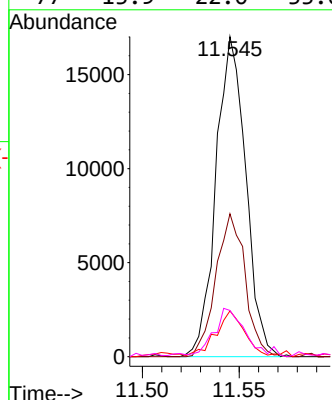
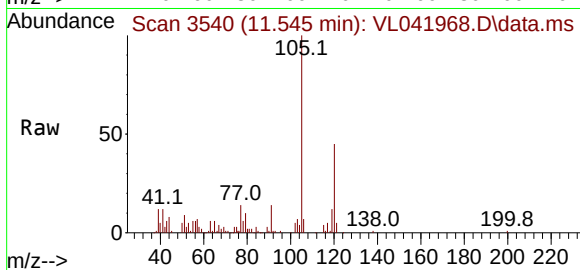
Acq: 03 Feb 2025 17:08

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	105	Resp:	18157
Ion	Ratio	Lower	Upper
105	100		
120	44.6	41.4	62.2
91	13.5	60.2	90.2#
77	13.9	22.0	33.0#



#75

1,3-Dichlorobenzene

Concen: 0.085 ppbv

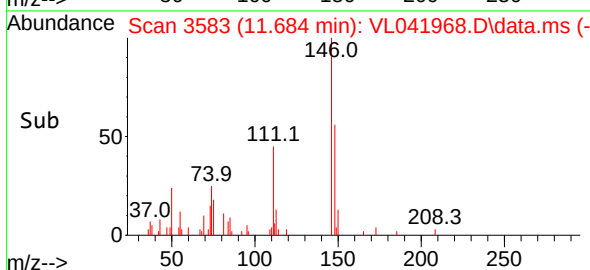
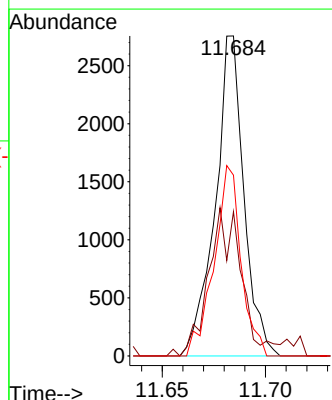
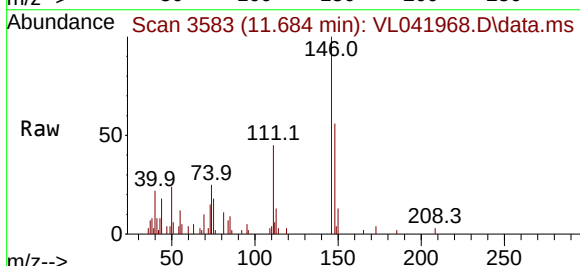
RT: 11.684 min Scan# 3583

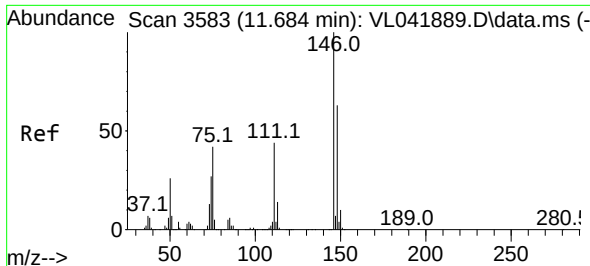
Delta R.T. 0.065 min

Lab File: VL041968.D

Acq: 03 Feb 2025 17:08

Tgt Ion:	146	Resp:	2667
Ion	Ratio	Lower	Upper
146	100		
111	56.2	23.6	70.8
148	55.8	31.4	94.0

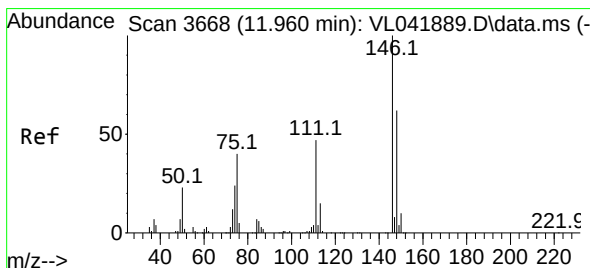
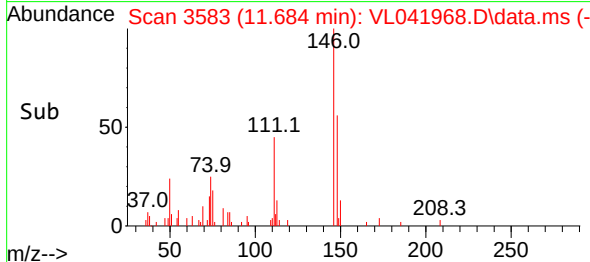
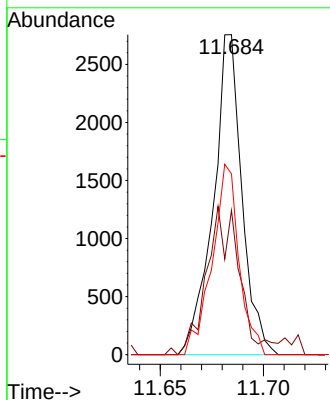
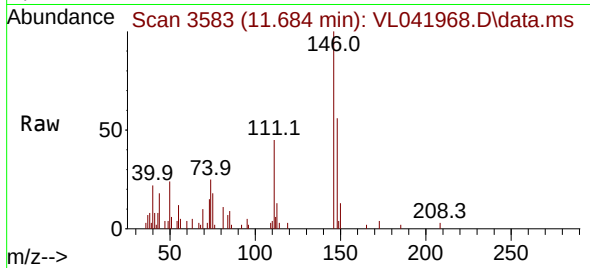




#76
1,4-Dichlorobenzene
Concen: 0.087 ppbv
RT: 11.684 min Scan# 3583
Delta R.T. -0.000 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

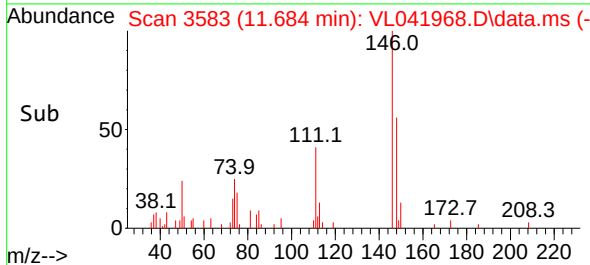
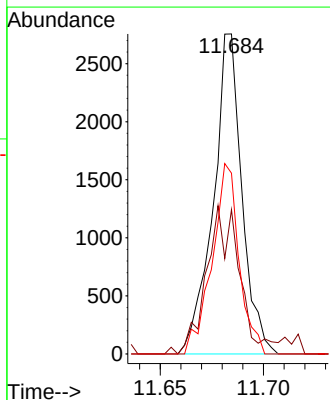
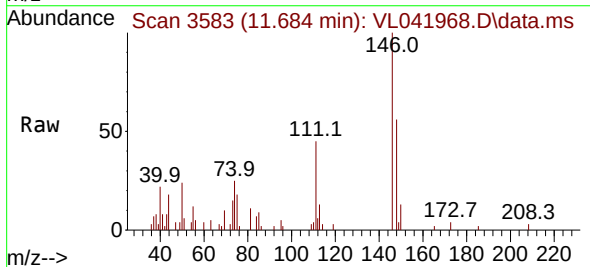
Instrument :
MSVOA_L
ClientSampleId :

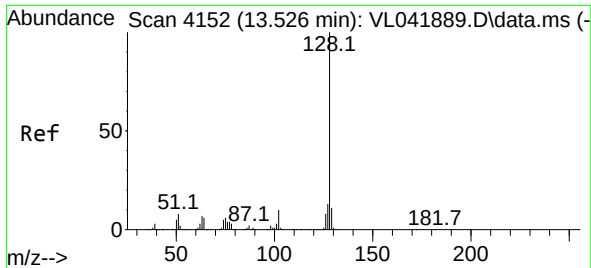
Tgt Ion:146 Resp: 2667
Ion Ratio Lower Upper
146 100
111 56.2 22.4 67.0
148 55.7 31.9 95.5



#77
1,2-Dichlorobenzene
Concen: 0.086 ppbv
RT: 11.684 min Scan# 3583
Delta R.T. -0.275 min
Lab File: VL041968.D
Acq: 03 Feb 2025 17:08

Tgt Ion:146 Resp: 2667
Ion Ratio Lower Upper
146 100
111 56.2 24.2 72.6
148 55.8 31.7 95.1





#79

Naphthalene

Concen: 0.052 ppbv

RT: 13.523 min Scan# 41

Delta R.T. -0.003 min

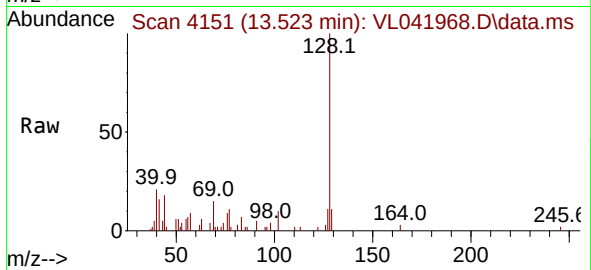
Lab File: VL041968.D

Acq: 03 Feb 2025 17:08

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:128 Resp: 2787

Ion Ratio Lower Upper

128 100

127 10.6 10.2 15.4

129 11.3 9.1 13.7

