

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042976.D
 Acq On : 23 Sep 2025 02:22
 Operator : SY/MD
 Sample : Q3131-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 141-1A-2

Quant Time: Sep 24 01:13:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	142688	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	412064	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	367269	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	280234	10.222	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	72159	3.760	ppbv	94
3) Chlorodifluoromethane	1.845	51	6111	0.255	ppbv	100
4) Chloromethane	1.531	50	3494	0.402	ppbv	94
8) Dichlorotetrafluoroethane	1.499	85	72159	4.404	ppbv #	20
9) Propene	1.560	41	24089	2.315	ppbv	91
10) Heptane	4.985	43	8170	0.294	ppbv #	67
11) Trichlorofluoromethane	1.877	101	7922	0.428	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	959	0.064	ppbv #	82
13) Ethanol	1.722	45	128905	127.697	ppbv	96
15) Acetone	1.835	43	521311	28.051	ppbv #	80
16) 1,3-Butadiene	1.599	39	1554	0.177	ppbv #	11
17) tert-Butyl alcohol	2.046	59	5375	0.264	ppbv #	72
19) Isopropyl Alcohol	1.887	45	23113	2.069	ppbv #	1
20) Methylene Chloride	2.062	84	7540	0.741	ppbv #	92
21) Allyl Chloride	2.078	41	7453	0.576	ppbv #	1
23) Vinyl Acetate	2.473	43	137153	5.166	ppbv #	45
25) Ethyl Acetate	2.826	43	108543	2.311	ppbv #	84
26) Hexane	2.826	57	143051	6.681	ppbv #	42
27) Carbon Disulfide	2.153	76	893	0.047	ppbv #	1
29) Chloroform	2.852	83	1772	0.063	ppbv	99
30) Cyclohexane	3.858	84	9777	0.546	ppbv	88
34) 2-Butanone	2.557	43	41609	1.441	ppbv	98
35) Carbon Tetrachloride	3.761	117	1325	0.049	ppbv #	75
36) Benzene	3.658	78	27676	0.715	ppbv #	91
37) 1,2-Dichloroethane	3.221	62	4116	0.202	ppbv	99
39) 1,2-Dichloropropane	3.959	63	104475	7.396	ppbv #	24
41) Tetrahydrofuran	3.059	42	2175	0.131	ppbv #	11
44) 2,2,4-Trimethylpentane	4.641	57	84058	1.258	ppbv #	89
53) Toluene	6.936	91	92307	2.015	ppbv	100
58) Ethyl Benzene	9.357	91	26614	0.441	ppbv	95
59) m/p-Xylene	9.532	91	80258	1.688	ppbv #	100
60) o-Xylene	9.966	91	28894	0.608	ppbv	99
61) Styrene	9.869	104	5085	0.226	ppbv	95
65) tert-Butylbenzene	11.539	119	1987	0.032	ppbv #	33
69) p-Isopropyltoluene	11.924	119	3458	0.047	ppbv #	87
71) 2-Chlorotoluene	10.856	91	10436	0.195	ppbv #	44
72) 4-Ethyltoluene	11.121	105	4364	0.073	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.202	105	4817	0.100	ppbv	90
74) 1,2,4-Trimethylbenzene	11.536	105	15499	0.291	ppbv #	66
79) Naphthalene	13.513	128	4568	0.097	ppbv #	94
80) Naphthalene,2-methyl-	14.458	142	4342	0.298	ppbv	94
81) 1,2,4-Trichlorobenzene	13.445	180	796	0.032	ppbv #	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042976.D
Acq On : 23 Sep 2025 02:22
Operator : SY/MD
Sample : Q3131-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

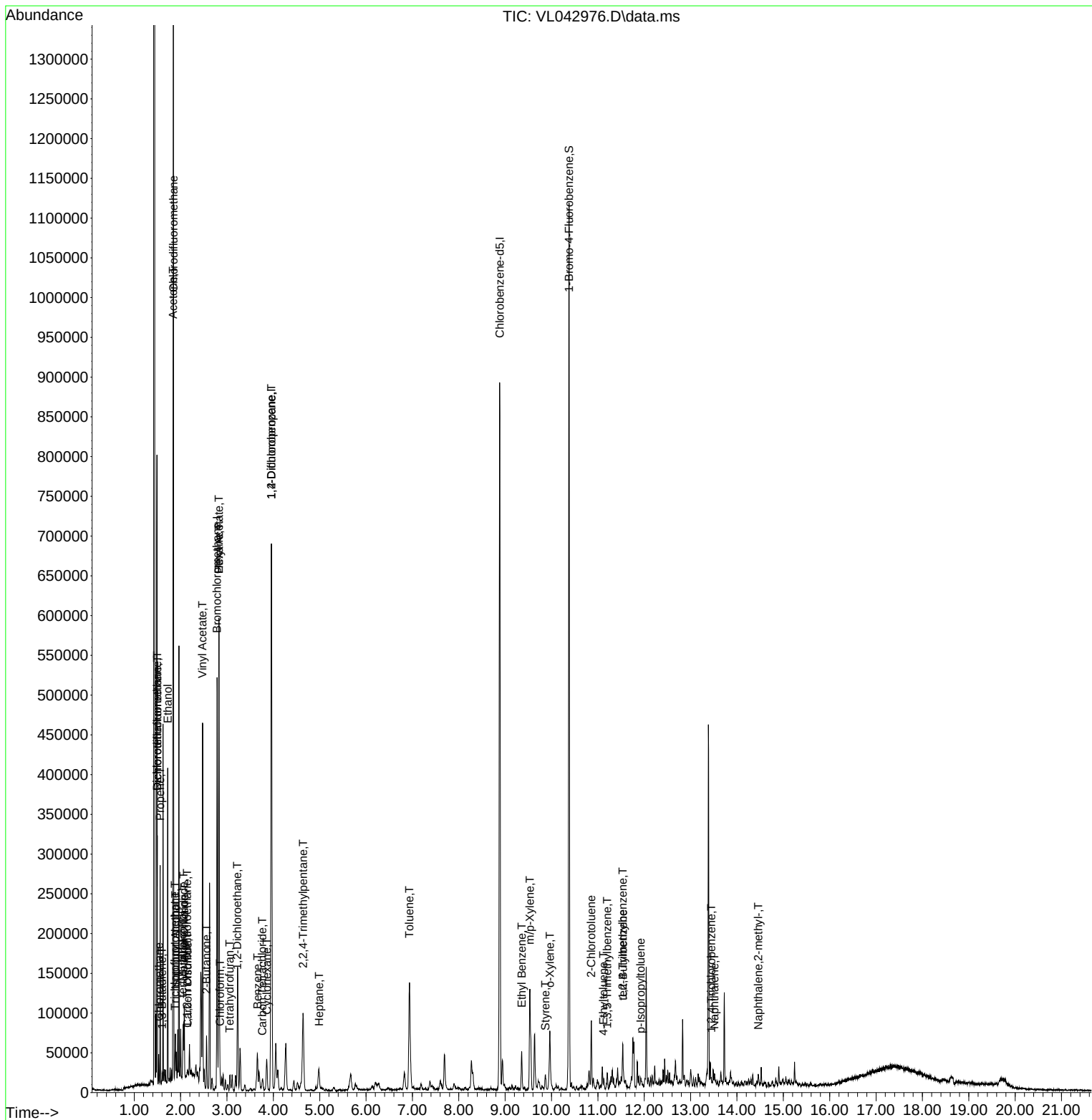
Instrument :
MSVOA_L
ClientSampleId :
141-1A-2

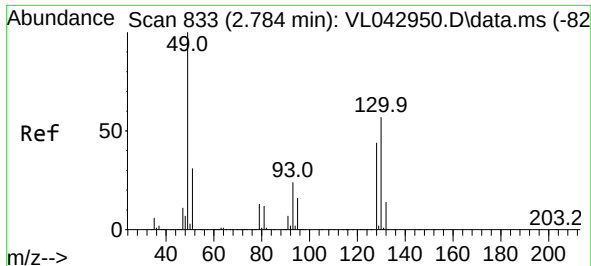
Quant Time: Sep 24 01:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Sep 24 01:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

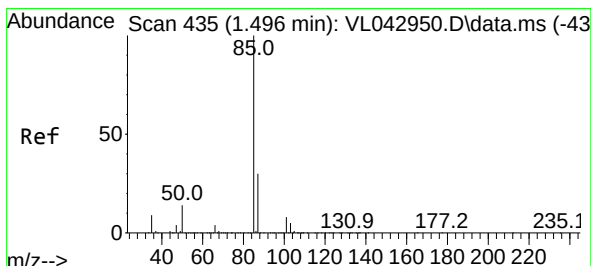
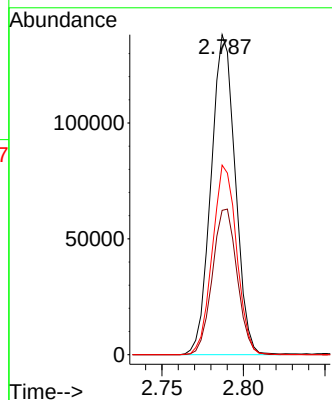
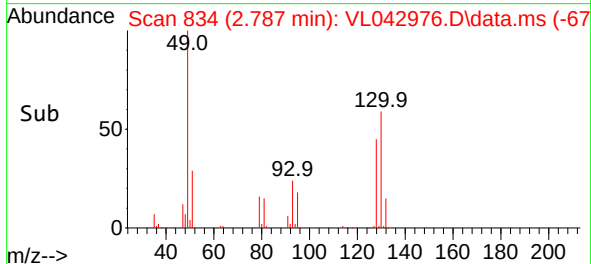
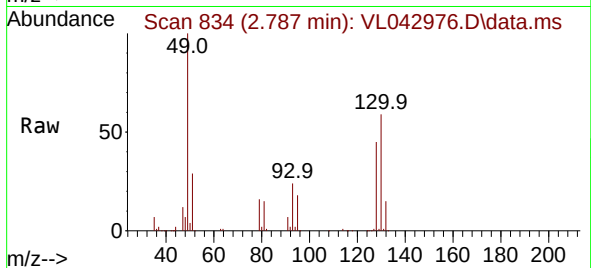




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

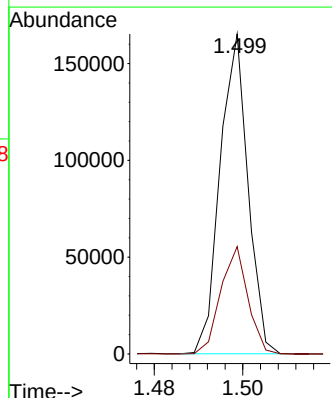
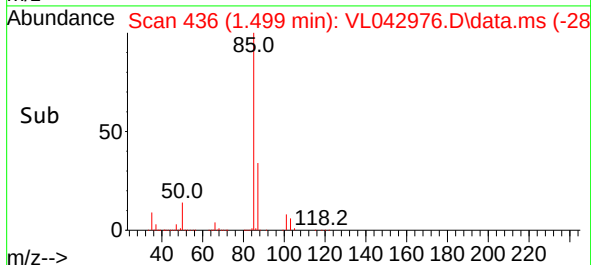
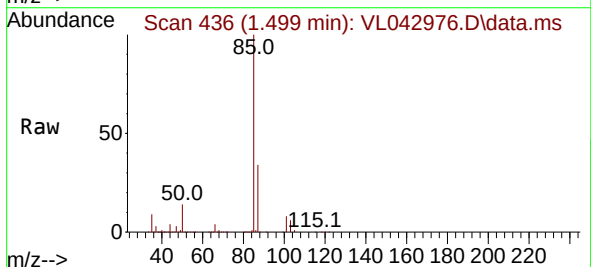
Instrument :
MSVOA_L
ClientSampleId :
141-1A-2

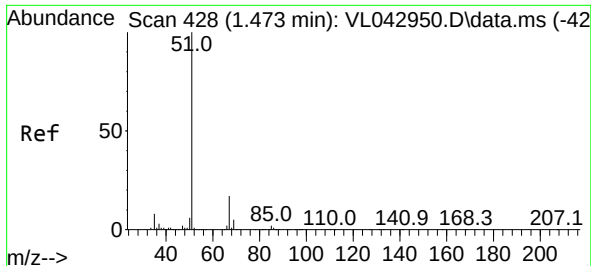
Tgt Ion: 49 Resp: 142688
Ion Ratio Lower Upper
49 100
128 46.5 22.9 68.8
130 59.3 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 3.760 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

Tgt Ion: 85 Resp: 72159
Ion Ratio Lower Upper
85 100
87 33.6 24.3 36.5

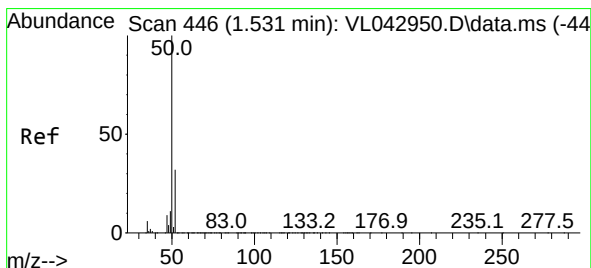
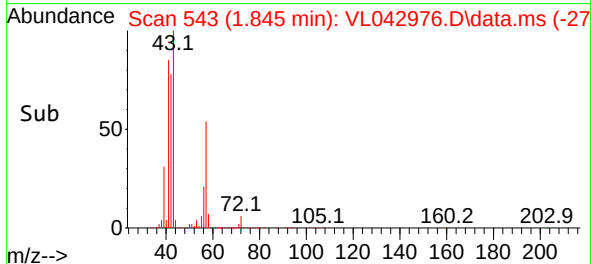
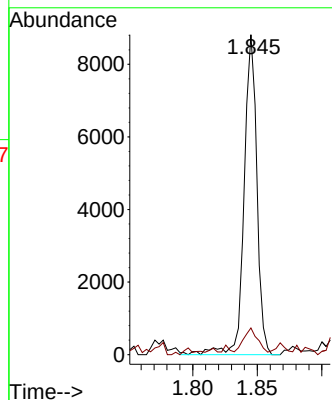
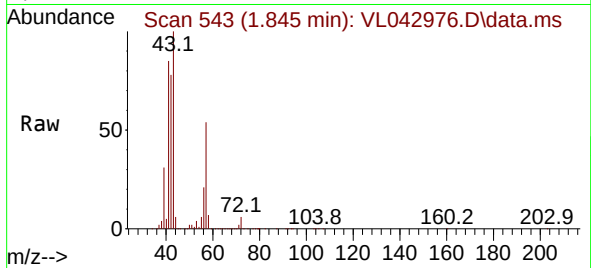




#3
Chlorodifluoromethane
Concen: 0.255 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.372 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

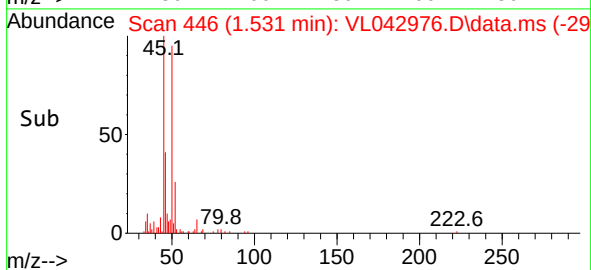
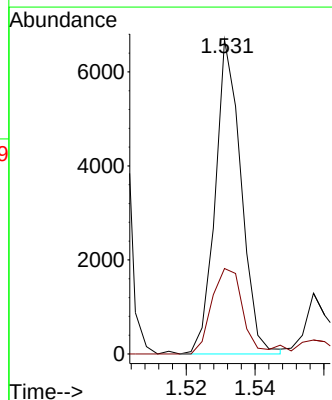
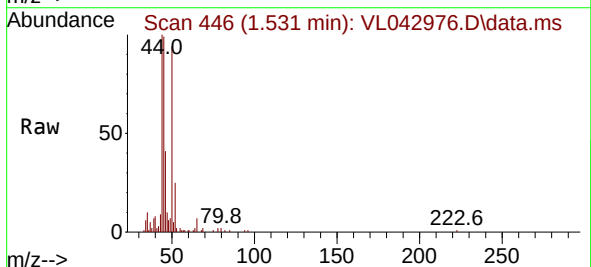
Instrument :
MSVOA_1
ClientSampleId :
141-1A-2

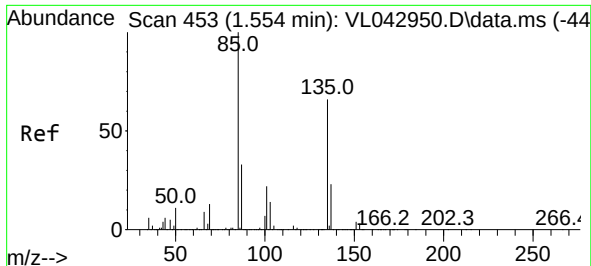
Tgt Ion: 51 Resp: 6111
Ion Ratio Lower Upper
51 100
67 17.5 13.8 20.8



#4
Chloromethane
Concen: 0.402 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

Tgt Ion: 50 Resp: 3494
Ion Ratio Lower Upper
50 100
52 29.2 25.9 38.9

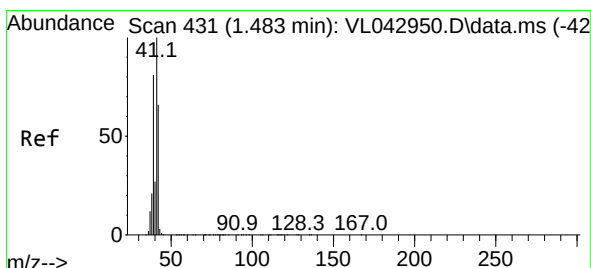
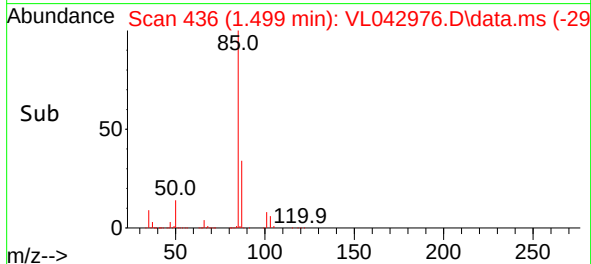
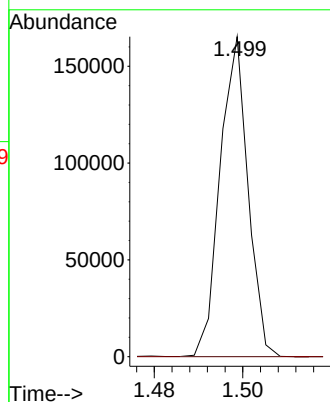
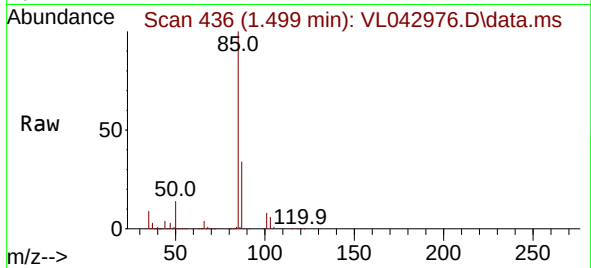




#8
 Dichlorotetrafluoroethane
 Concen: 4.404 ppbv
 RT: 1.499 min Scan# 41
 Delta R.T. -0.055 min
 Lab File: VL042976.D
 Acq: 23 Sep 2025 02:22

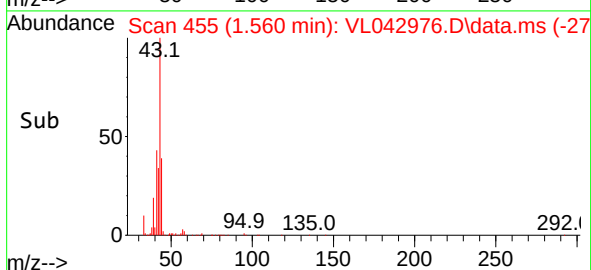
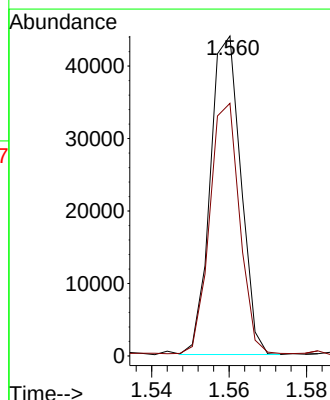
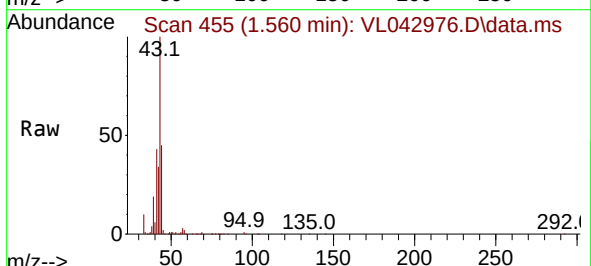
Instrument :
 MSVOA_1
 ClientSampleId :
 141-1A-2

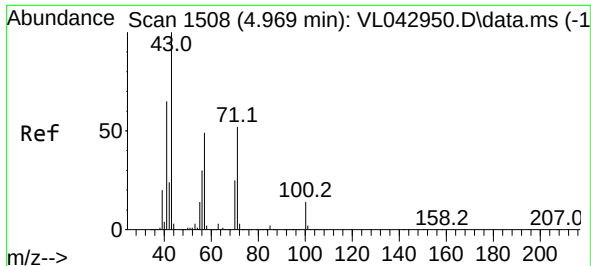
Tgt Ion: 85 Resp: 72159
 Ion Ratio Lower Upper
 85 100
 135 0.4 49.7 74.5#



#9
 Propene
 Concen: 2.315 ppbv
 RT: 1.560 min Scan# 455
 Delta R.T. 0.077 min
 Lab File: VL042976.D
 Acq: 23 Sep 2025 02:22

Tgt Ion: 41 Resp: 24089
 Ion Ratio Lower Upper
 41 100
 42 79.1 57.4 86.2

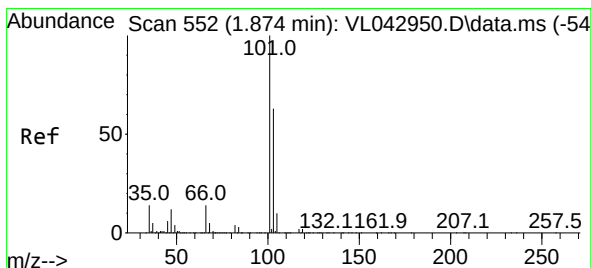
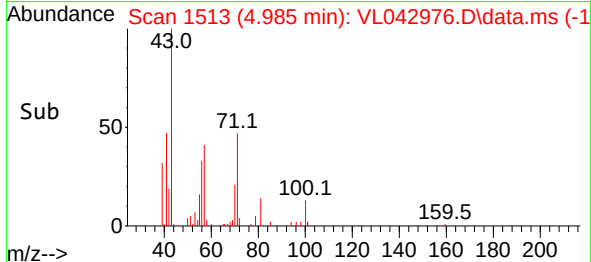
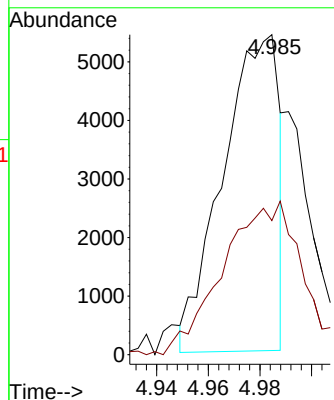
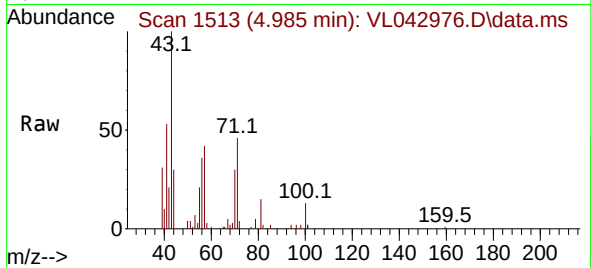




#10
Heptane
Concen: 0.294 ppbv
RT: 4.985 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

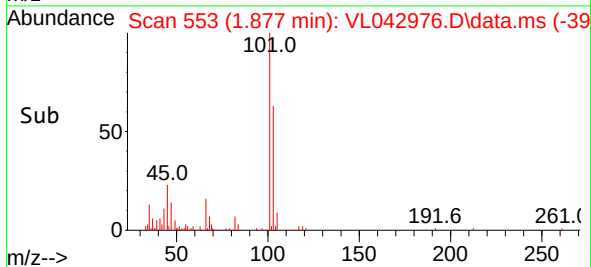
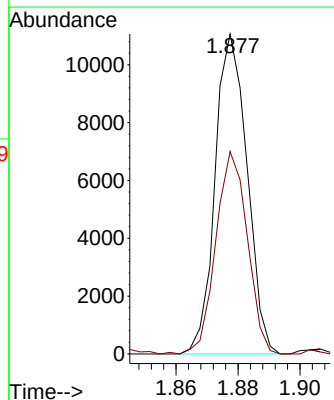
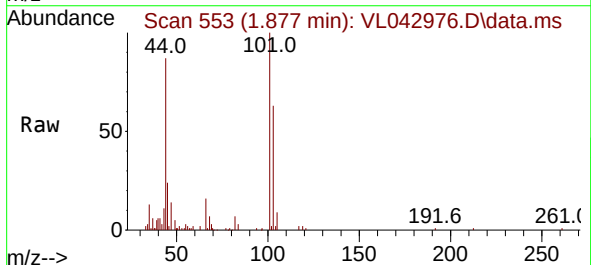
Instrument :
MSVOA_1
ClientSampleId :
141-1A-2

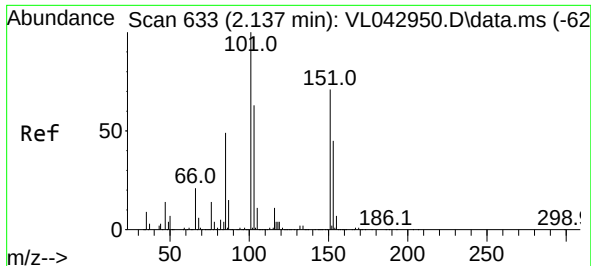
Tgt Ion: 43 Resp: 8170
Ion Ratio Lower Upper
43 100
57 70.6 38.6 57.8#



#11
Trichlorofluoromethane
Concen: 0.428 ppbv
RT: 1.877 min Scan# 553
Delta R.T. 0.003 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

Tgt Ion:101 Resp: 7922
Ion Ratio Lower Upper
101 100
103 63.3 50.1 75.1





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.064 ppbv

RT: 2.140 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

Instrument :

MSVOA_1

ClientSampleId :

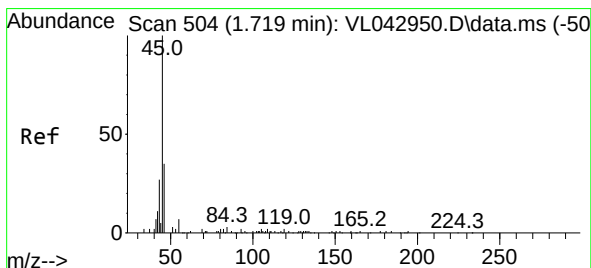
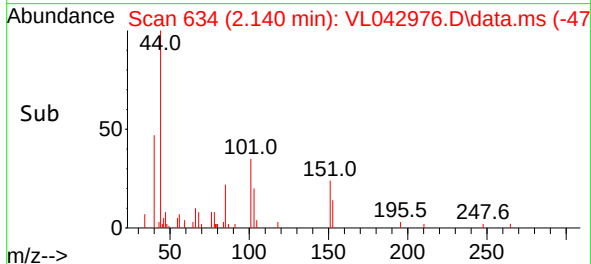
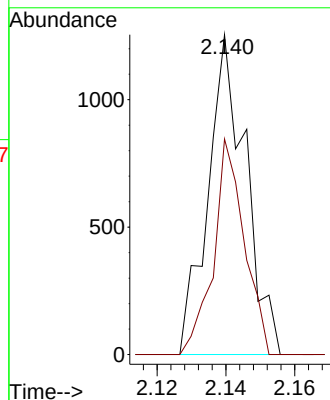
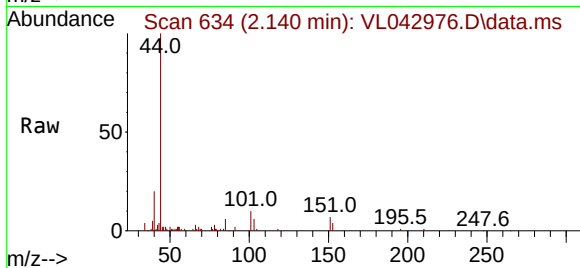
141-1A-2

Tgt Ion:101 Resp: 959

Ion Ratio Lower Upper

101 100

151 54.6 55.7 83.5#



#13

Ethanol

Concen: 127.697 ppbv

RT: 1.722 min Scan# 505

Delta R.T. 0.003 min

Lab File: VL042976.D

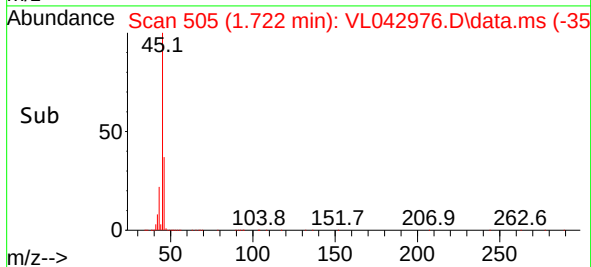
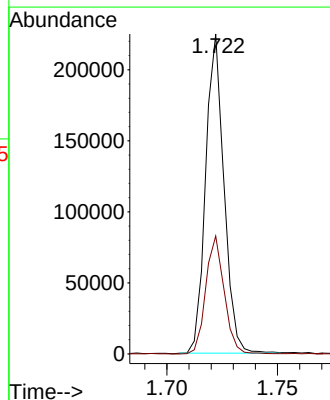
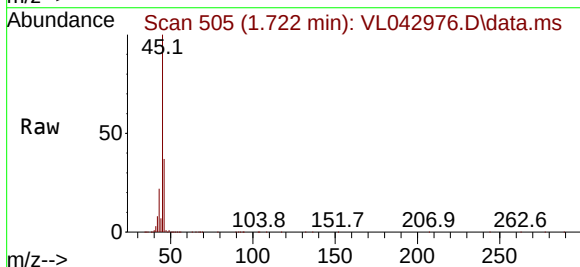
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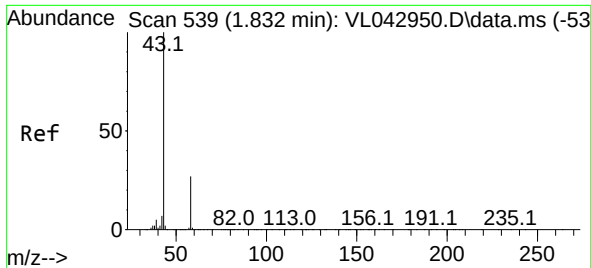
Tgt Ion: 45 Resp: 128905

Ion Ratio Lower Upper

45 100

46 37.7 16.2 64.6





#15

Acetone

Concen: 28.051 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

Instrument :

MSVOA_1

ClientSampleId :

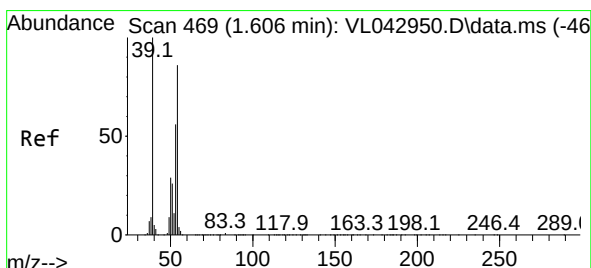
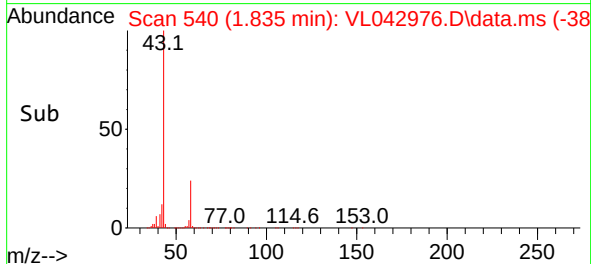
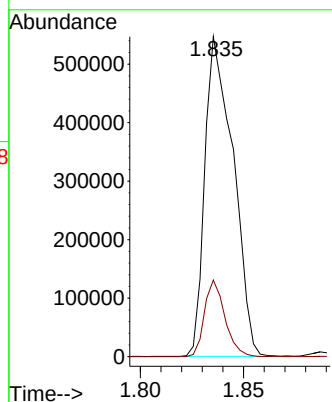
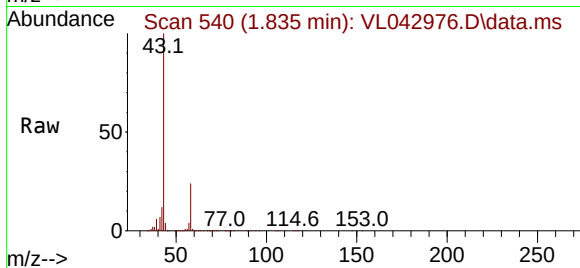
141-1A-2

Tgt Ion: 43 Resp: 521311

Ion Ratio Lower Upper

43 100

58 17.3 22.3 33.5#



#16

1,3-Butadiene

Concen: 0.177 ppbv

RT: 1.599 min Scan# 467

Delta R.T. -0.007 min

Lab File: VL042976.D

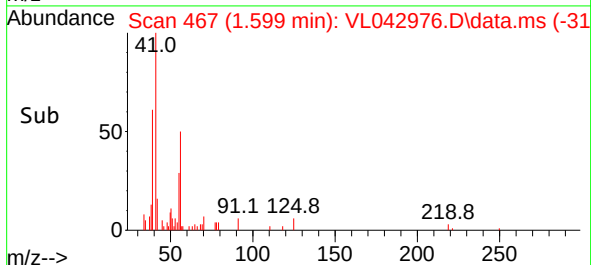
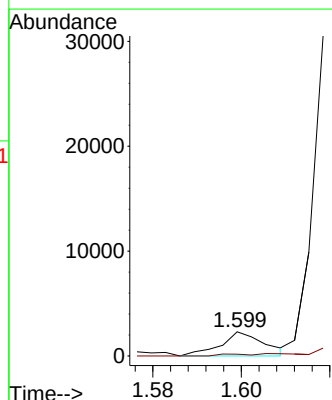
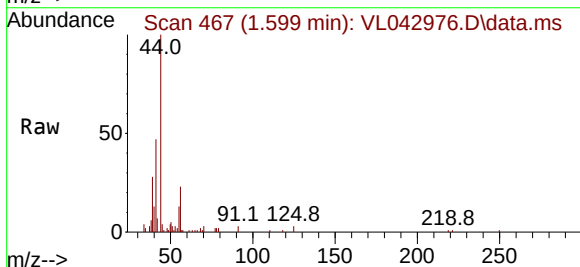
Acq: 23 Sep 2025 02:22

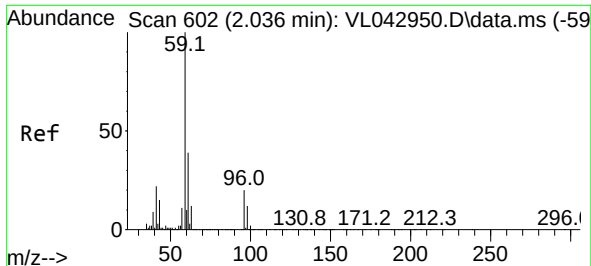
Tgt Ion: 39 Resp: 1554

Ion Ratio Lower Upper

39 100

54 0.0 60.8 91.2#





#17

tert-Butyl alcohol

Concen: 0.264 ppbv

RT: 2.046 min Scan# 602

Delta R.T. 0.010 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

Instrument :

MSVOA_1

ClientSampleId :

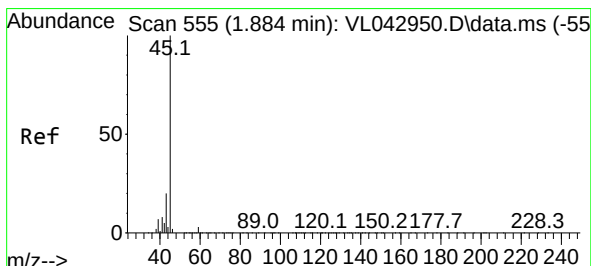
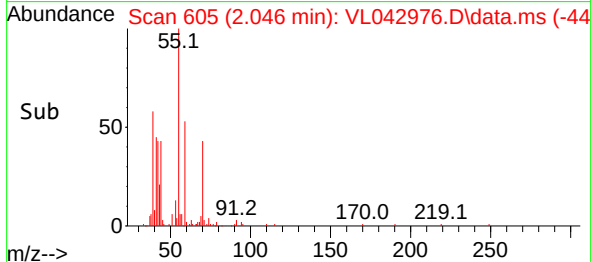
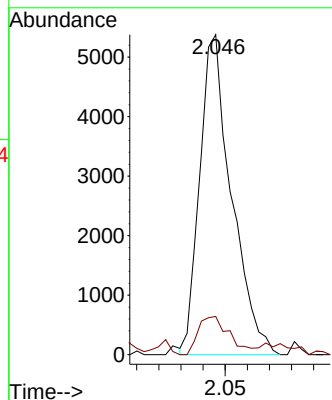
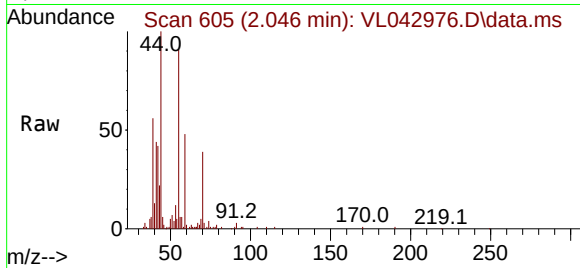
141-1A-2

Tgt Ion: 59 Resp: 5375

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#19

Isopropyl Alcohol

Concen: 2.069 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042976.D

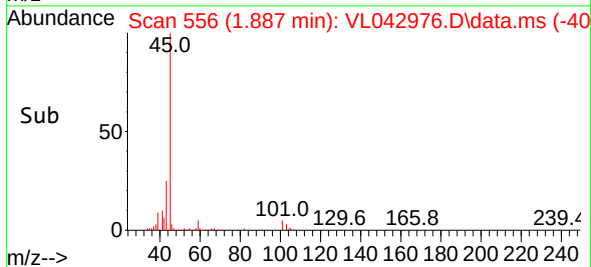
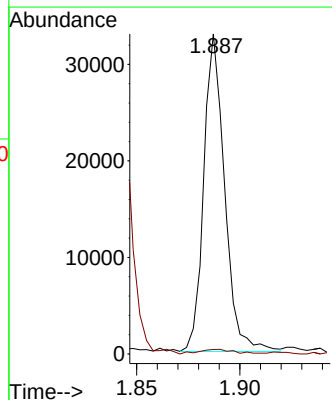
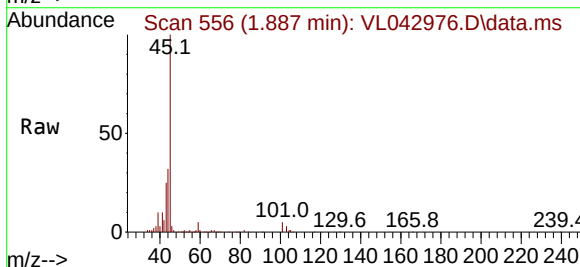
Acq: 23 Sep 2025 02:22

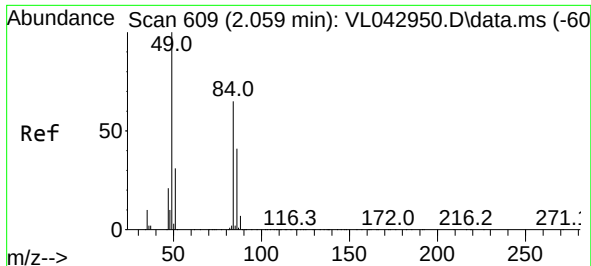
Tgt Ion: 45 Resp: 23113

Ion Ratio Lower Upper

45 100

58 390.5 31.0 46.6#





#20

Methylene Chloride

Concen: 0.741 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

Instrument :

MSVOA_1

ClientSampleId :

141-1A-2

Tgt Ion: 84 Resp: 7540

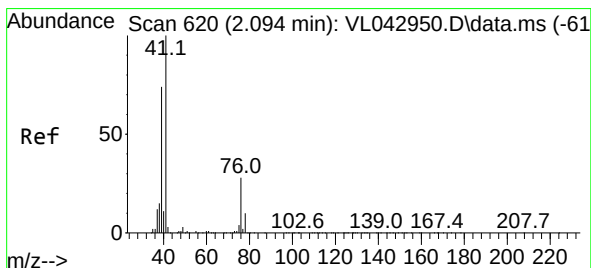
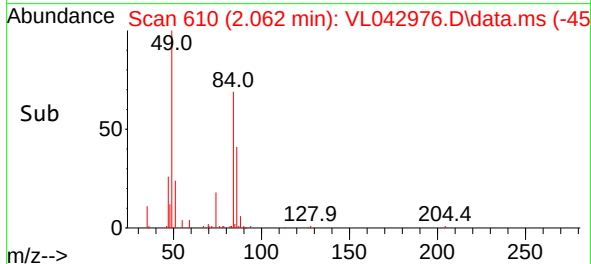
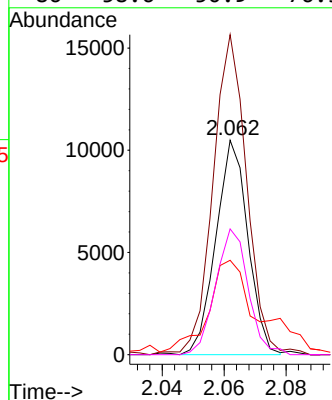
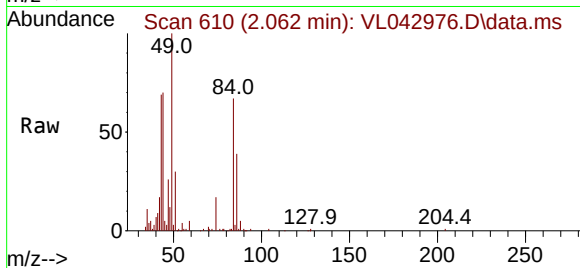
Ion Ratio Lower Upper

84 100

49 148.0 124.1 186.1

51 37.0 39.8 59.8#

86 58.6 50.9 76.3



#21

Allyl Chloride

Concen: 0.576 ppbv

RT: 2.078 min Scan# 615

Delta R.T. -0.016 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

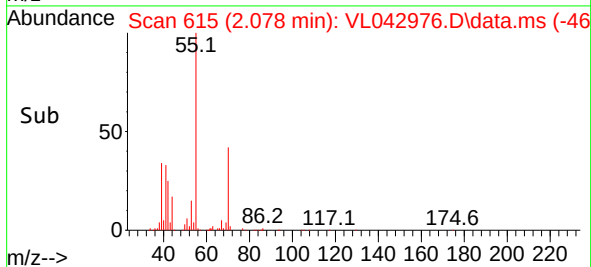
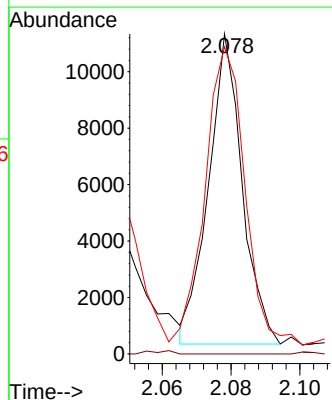
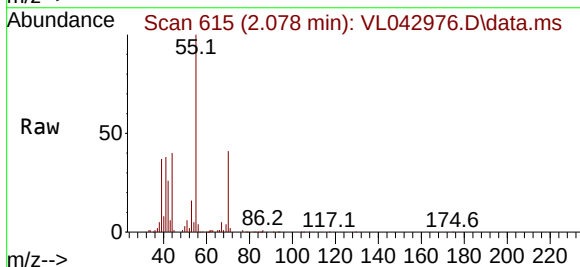
Tgt Ion: 41 Resp: 7453

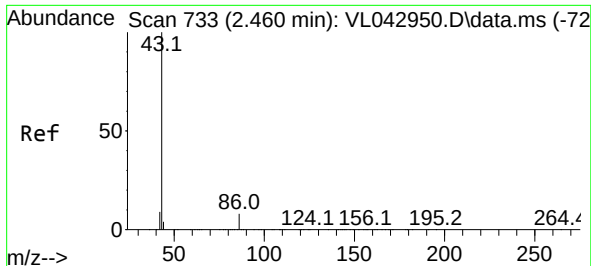
Ion Ratio Lower Upper

41 100

76 0.9 22.3 33.5#

39 185.1 61.3 91.9#



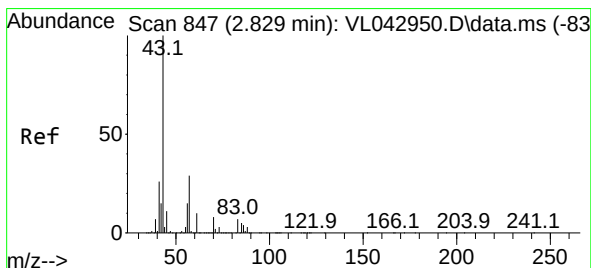
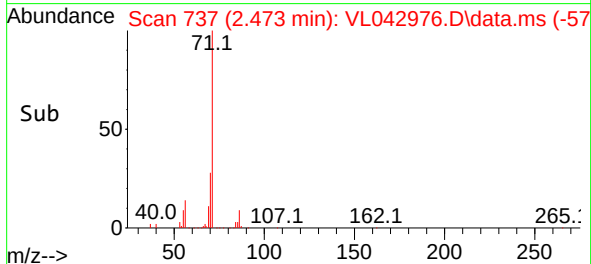
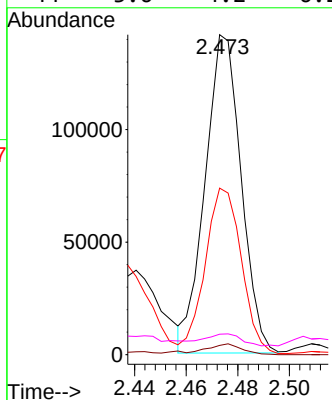
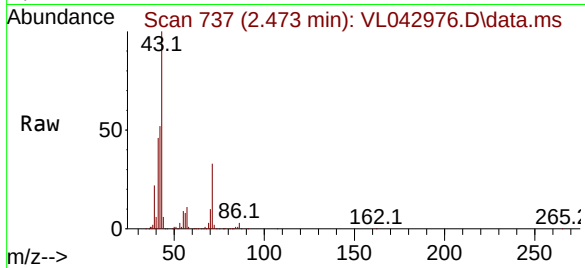


#23
 Vinyl Acetate
 Concen: 5.166 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VL042976.D
 Acq: 23 Sep 2025 02:22

Instrument :
 MSVOA_1
 ClientSampleId :
 141-1A-2

Tgt Ion: 43 Resp: 137153

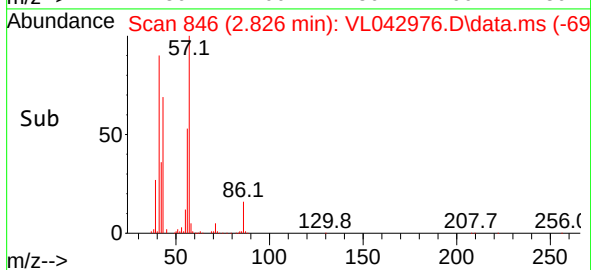
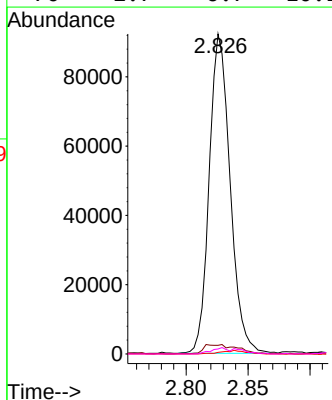
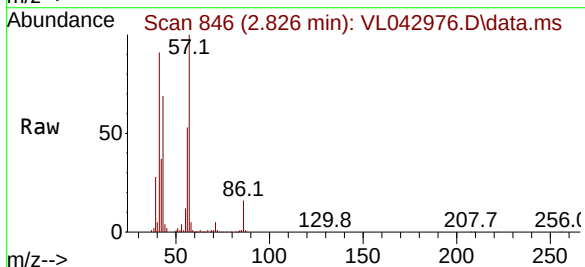
Ion	Ratio	Lower	Upper
43	100		
86	2.9	6.2	9.2#
42	52.2	7.4	11.0#
44	3.6	4.2	6.2#

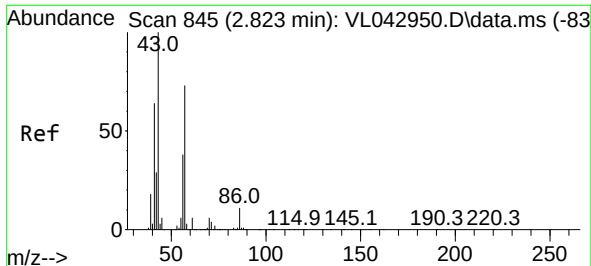


#25
 Ethyl Acetate
 Concen: 2.311 ppbv
 RT: 2.826 min Scan# 846
 Delta R.T. -0.003 min
 Lab File: VL042976.D
 Acq: 23 Sep 2025 02:22

Tgt Ion: 43 Resp: 108543

Ion	Ratio	Lower	Upper
43	100		
45	5.0	7.7	11.5#
61	1.3	7.1	10.7#
70	2.7	6.7	10.1#

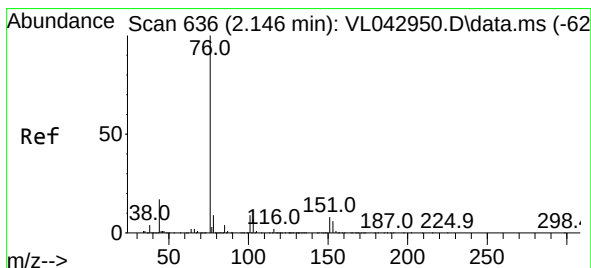
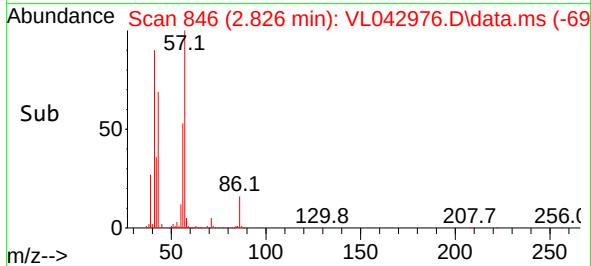
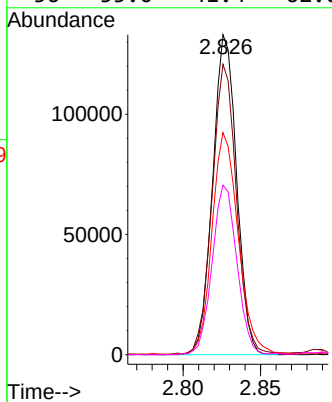
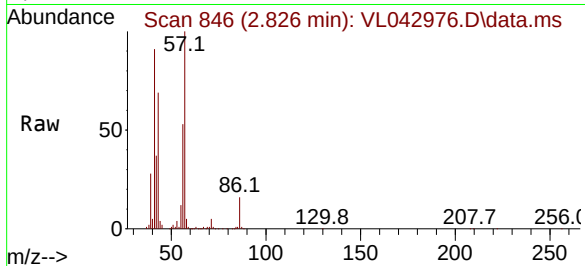




#26
Hexane
Concen: 6.681 ppbv
RT: 2.826 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

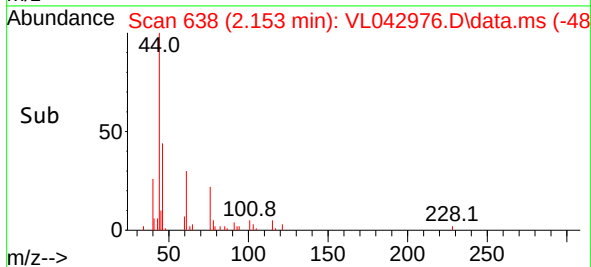
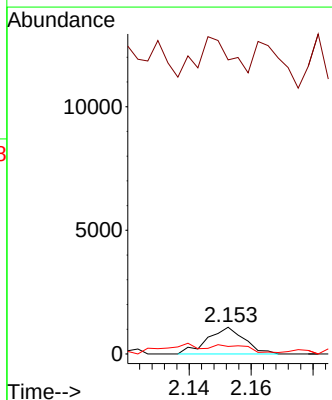
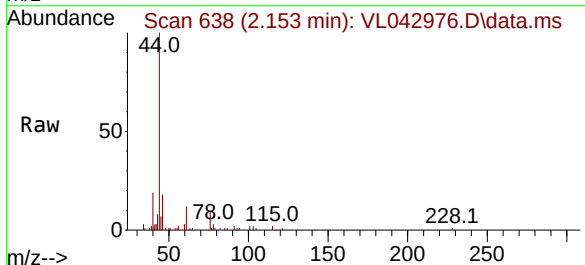
Instrument :
MSVOA_L
ClientSampleId :
141-1A-2

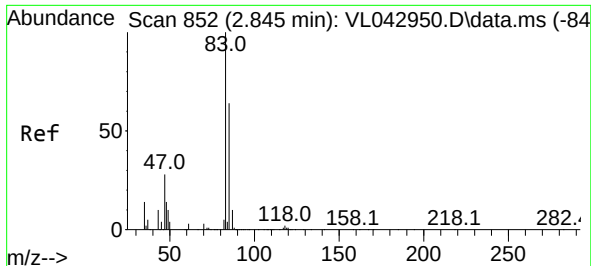
Tgt Ion: 57	Resp: 143051
Ion Ratio	Lower Upper
57 100	
41 92.8	71.7 107.5
43 77.0	180.8 271.2#
56 55.0	41.4 62.0



#27
Carbon Disulfide
Concen: 0.047 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.006 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

Tgt Ion: 76	Resp: 893
Ion Ratio	Lower Upper
76 100	
44 0.0	15.6 23.4#
78 97.5	8.9 13.3#





#29

Chloroform

Concen: 0.063 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

Instrument :

MSVOA_1

ClientSampleId :

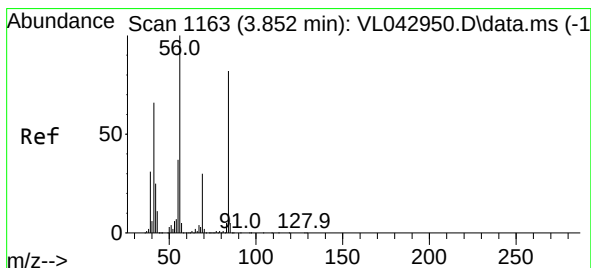
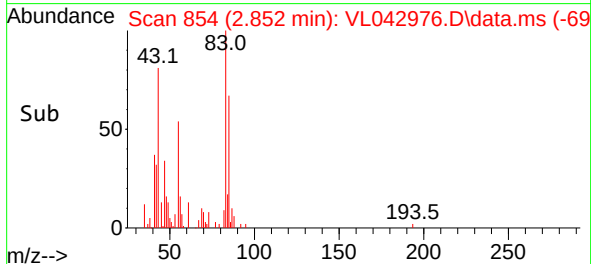
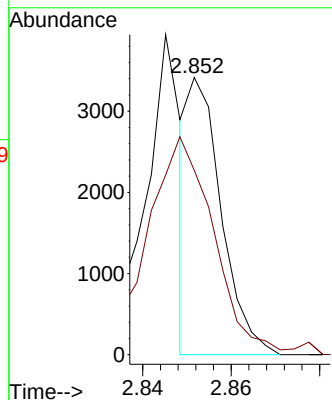
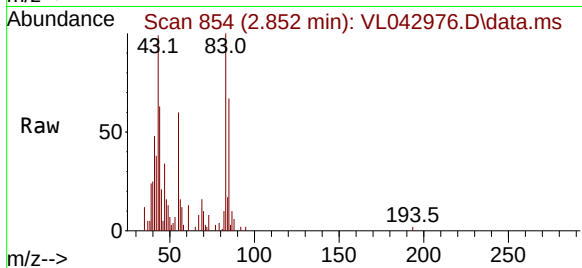
141-1A-2

Tgt Ion: 83 Resp: 1772

Ion Ratio Lower Upper

83 100

85 64.8 51.2 76.8



#30

Cyclohexane

Concen: 0.546 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.006 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

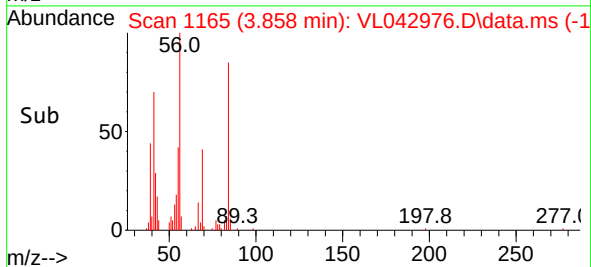
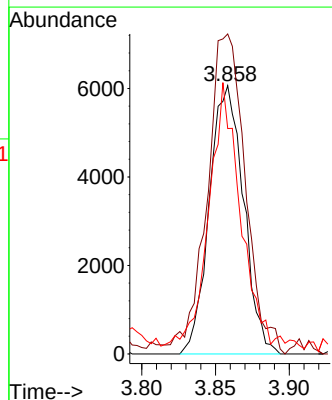
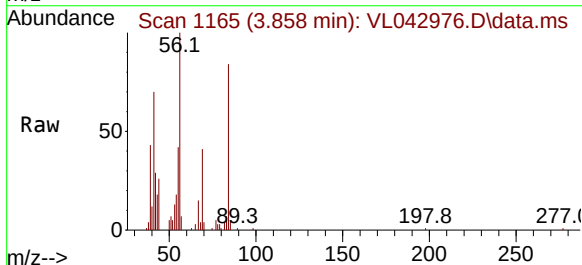
Tgt Ion: 84 Resp: 9777

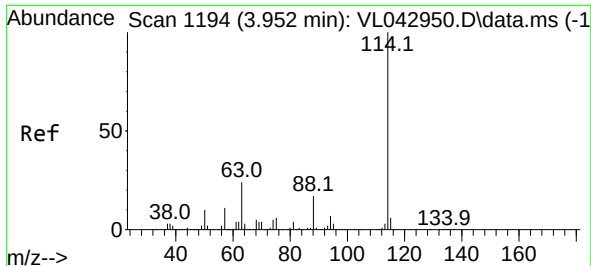
Ion Ratio Lower Upper

84 100

56 136.2 102.2 153.4

41 98.1 65.6 98.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

Instrument :

MSVOA_1

ClientSampleId :

141-1A-2

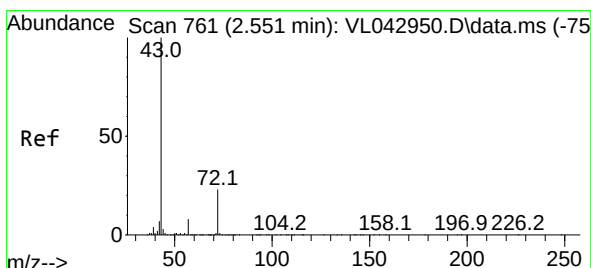
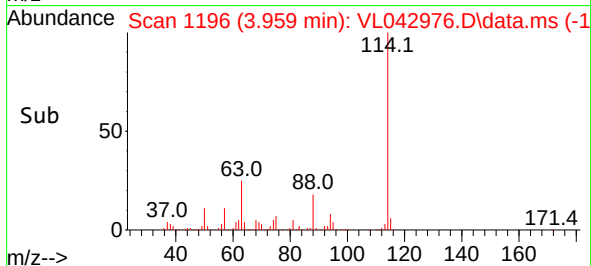
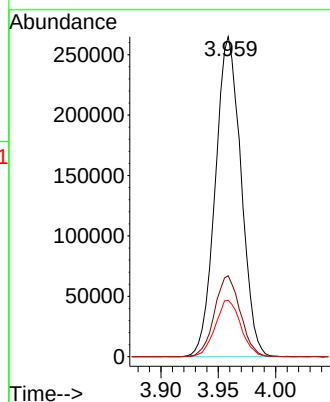
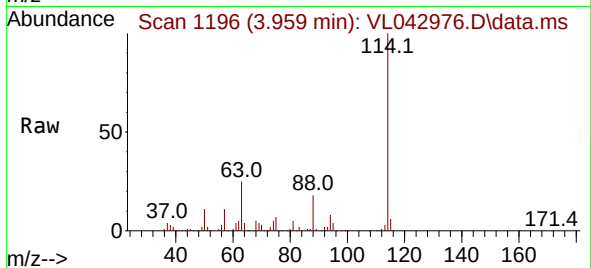
Tgt Ion:114 Resp: 412064

Ion Ratio Lower Upper

114 100

63 25.4 19.4 29.2

88 17.5 14.2 21.2



#34

2-Butanone

Concen: 1.441 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.006 min

Lab File: VL042976.D

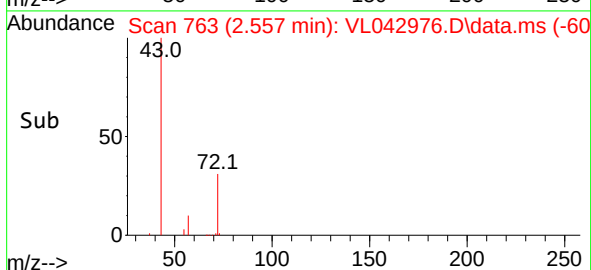
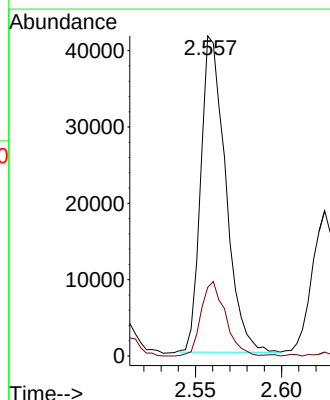
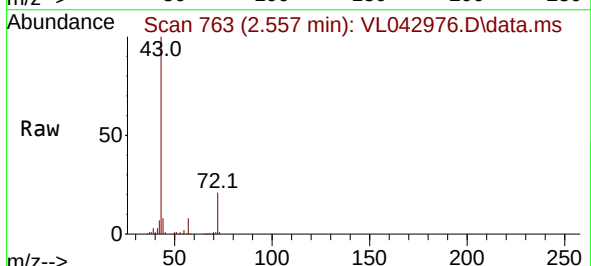
Acq: 23 Sep 2025 02:22

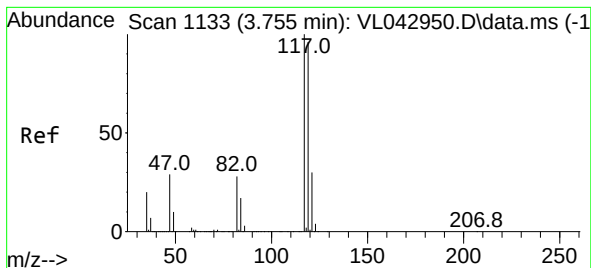
Tgt Ion: 43 Resp: 41609

Ion Ratio Lower Upper

43 100

72 23.2 17.7 26.5





#35

Carbon Tetrachloride

Concen: 0.049 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. 0.006 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

Instrument :

MSVOA_1

ClientSampleId :

141-1A-2

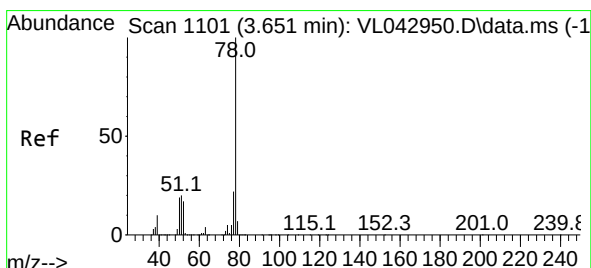
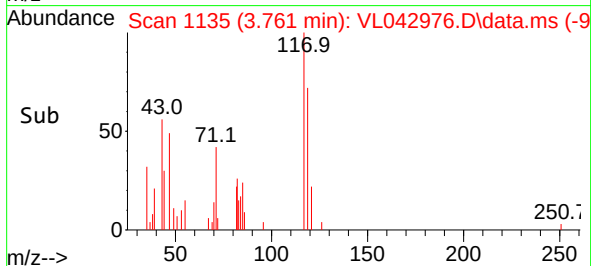
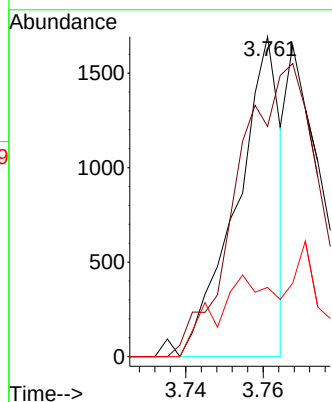
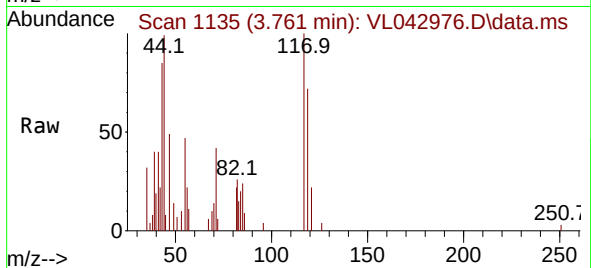
Tgt Ion:117 Resp: 1325

Ion Ratio Lower Upper

117 100

119 68.3 76.9 115.3#

121 21.6 23.7 35.5#



#36

Benzene

Concen: 0.715 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

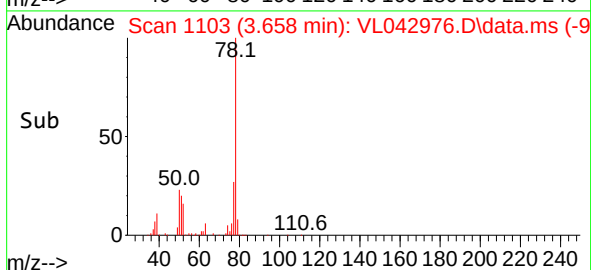
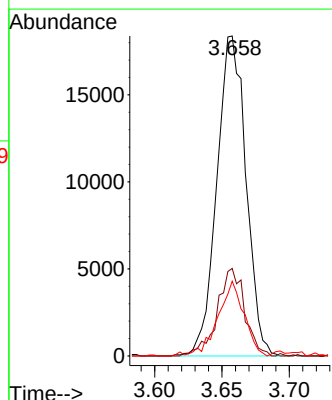
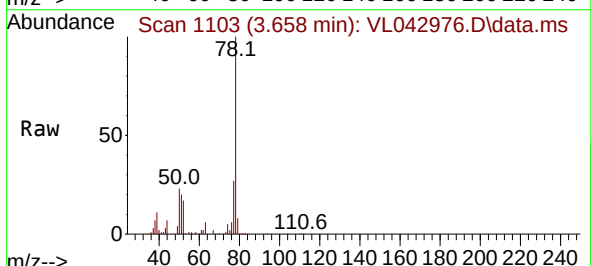
Tgt Ion: 78 Resp: 27676

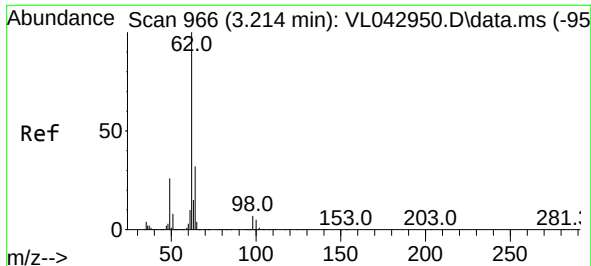
Ion Ratio Lower Upper

78 100

77 27.0 17.8 26.6#

50 22.1 15.0 22.4





#37

1,2-Dichloroethane

Concen: 0.202 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

Instrument :

MSVOA_1

ClientSampleId :

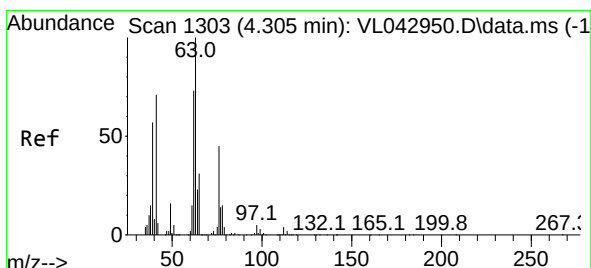
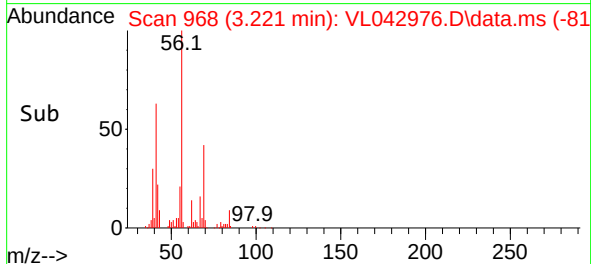
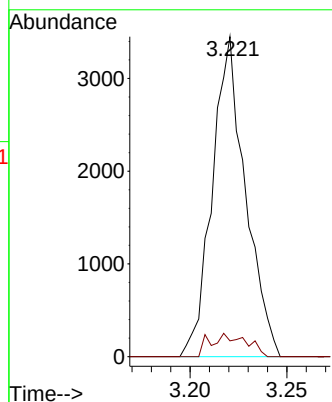
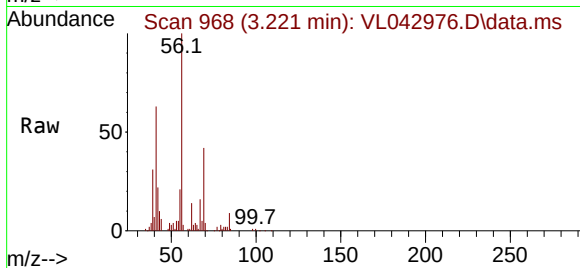
141-1A-2

Tgt Ion: 62 Resp: 4116

Ion Ratio Lower Upper

62 100

98 7.8 5.9 8.9



#39

1,2-Dichloropropane

Concen: 7.396 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.347 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

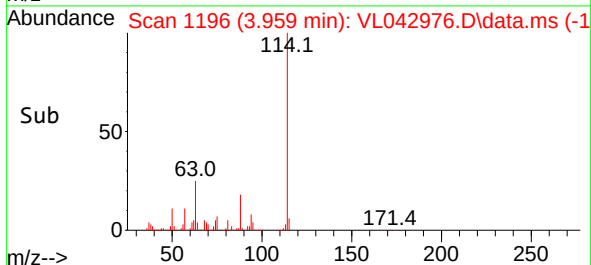
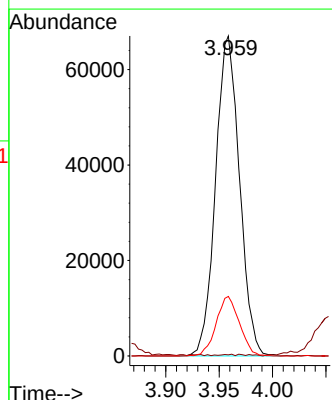
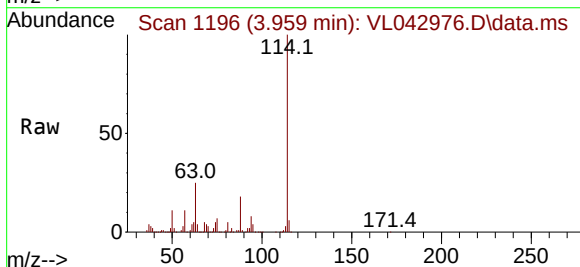
Tgt Ion: 63 Resp: 104475

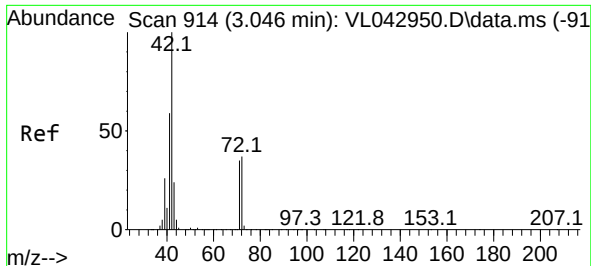
Ion Ratio Lower Upper

63 100

41 0.0 57.5 86.3#

62 18.6 58.5 87.7#

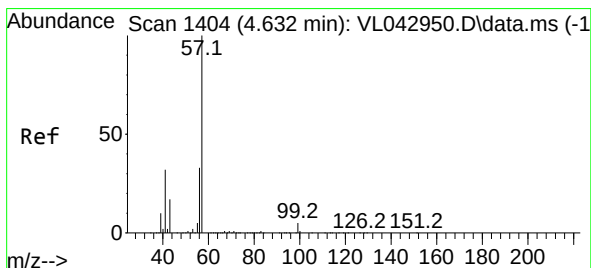
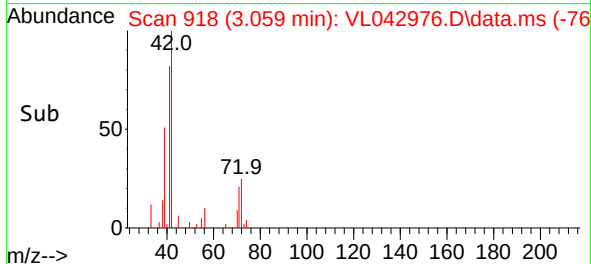
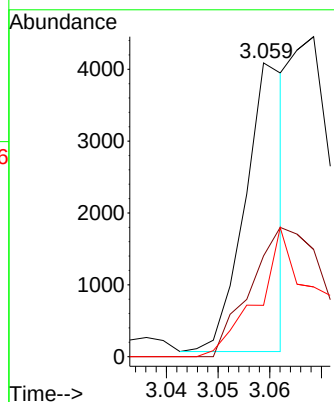
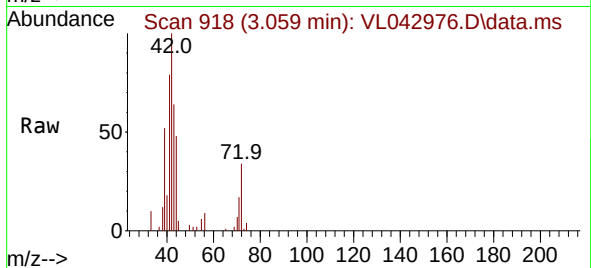




#41
Tetrahydrofuran
Concen: 0.131 ppbv
RT: 3.059 min Scan# 914
Delta R.T. 0.013 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

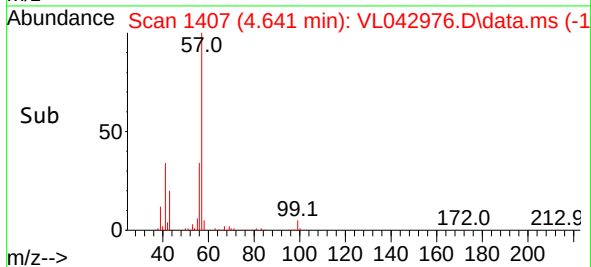
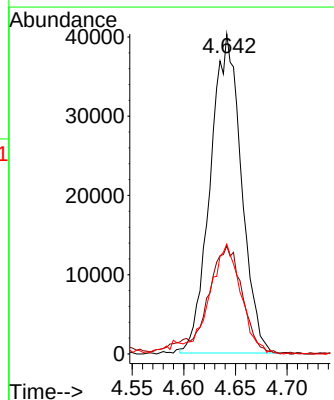
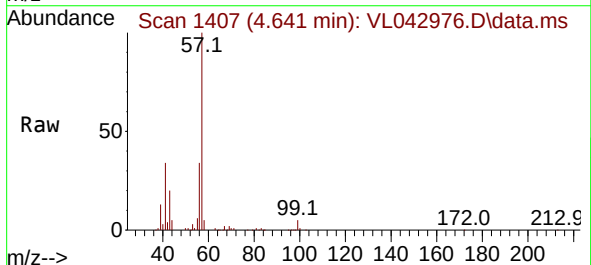
Instrument :
MSVOA_L
ClientSampleId :
141-1A-2

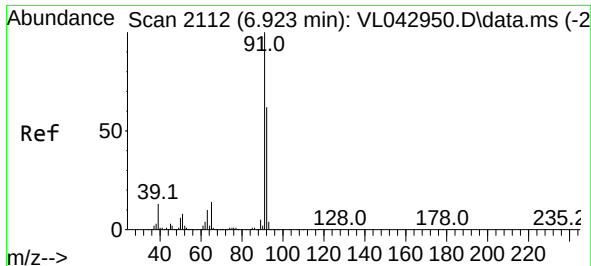
Tgt Ion: 42 Resp: 2175
Ion Ratio Lower Upper
42 100
72 105.7 30.0 45.0#
71 73.3 28.8 43.2#



#44
2,2,4-Trimethylpentane
Concen: 1.258 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. 0.010 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

Tgt Ion: 57 Resp: 84058
Ion Ratio Lower Upper
57 100
41 39.0 25.5 38.3#
56 37.2 25.8 38.8

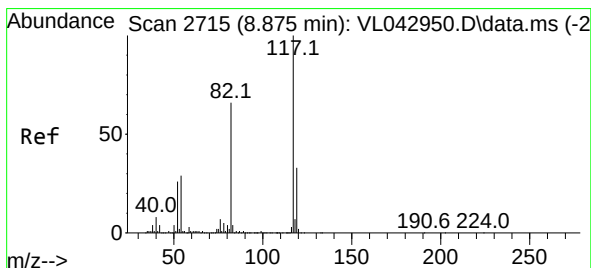
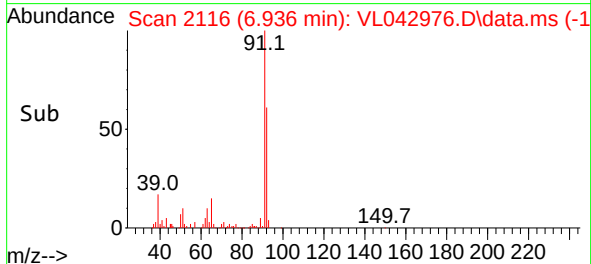
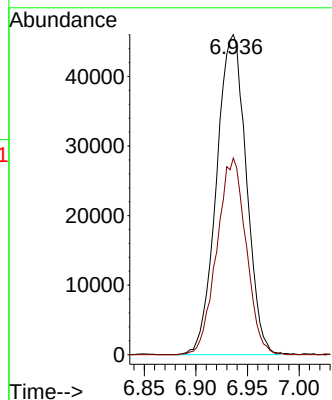
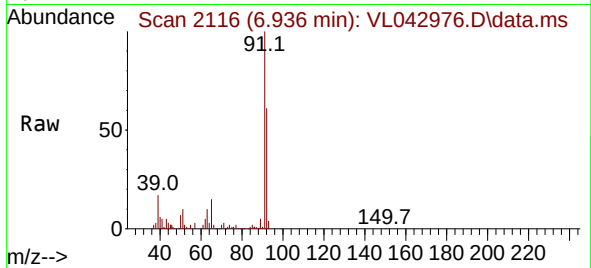




#53
Toluene
Concen: 2.015 ppbv
RT: 6.936 min Scan# 2112
Delta R.T. 0.013 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

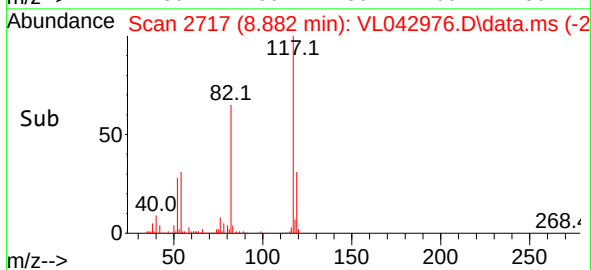
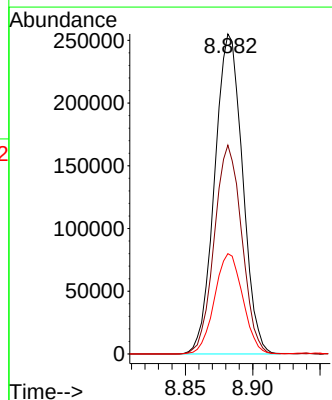
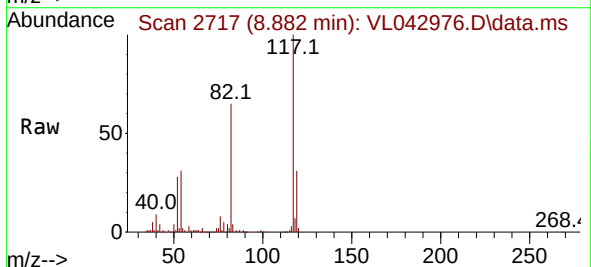
Instrument :
MSVOA_1
ClientSampleId :
141-1A-2

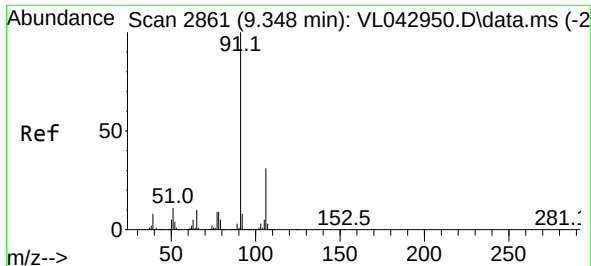
Tgt Ion: 91 Resp: 92307
Ion Ratio Lower Upper
91 100
92 60.4 48.2 72.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.006 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

Tgt Ion: 117 Resp: 367269
Ion Ratio Lower Upper
117 100
82 64.5 52.8 79.2
119 31.7 26.5 39.7





#58

Ethyl Benzene

Concen: 0.441 ppbv

RT: 9.357 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

Instrument :

MSVOA_1

ClientSampleId :

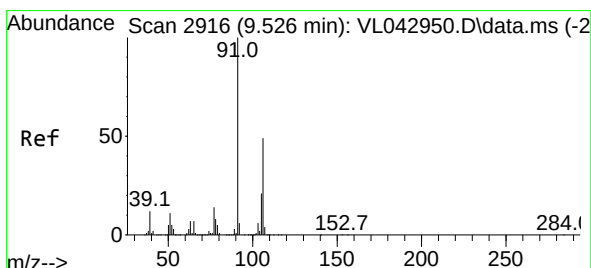
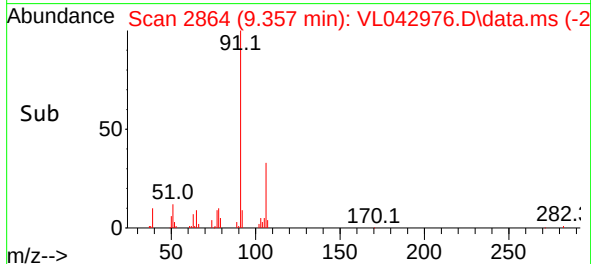
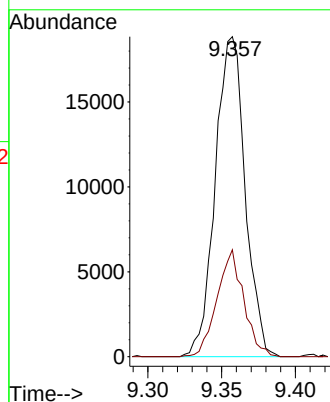
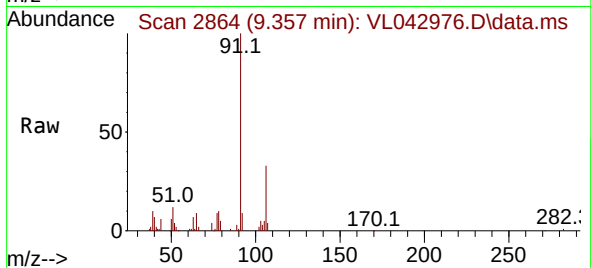
141-1A-2

Tgt Ion: 91 Resp: 26614

Ion Ratio Lower Upper

91 100

106 33.4 24.6 37.0



#59

m/p-Xylene

Concen: 1.688 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. 0.006 min

Lab File: VL042976.D

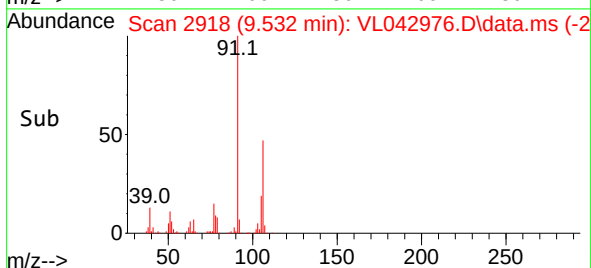
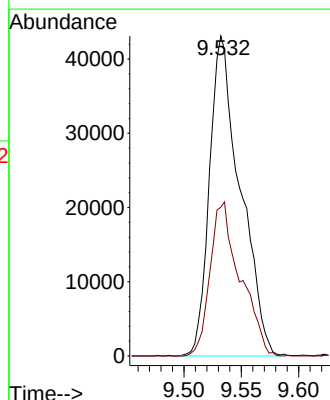
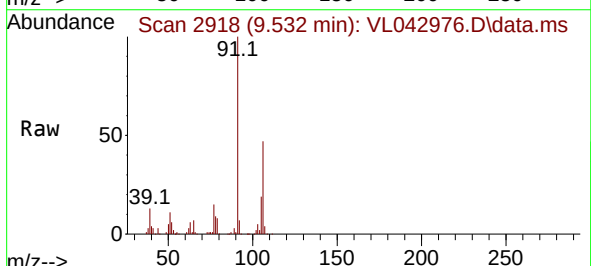
Acq: 23 Sep 2025 02:22

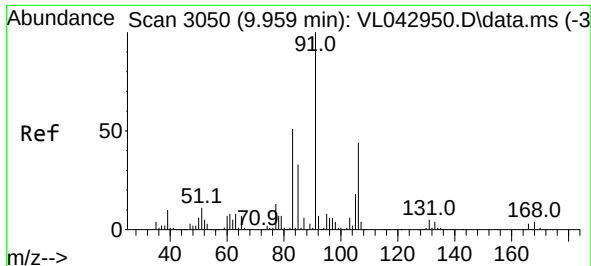
Tgt Ion: 91 Resp: 80258

Ion Ratio Lower Upper

91 100

106 47.3 0.0 0.0#

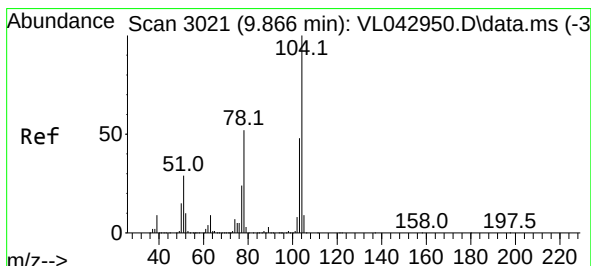
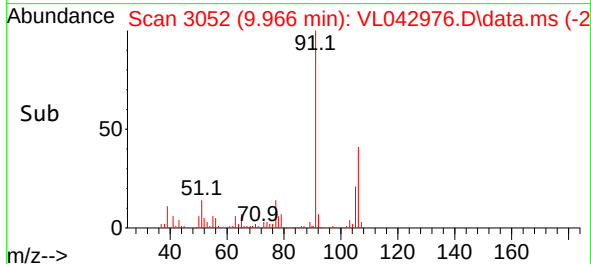
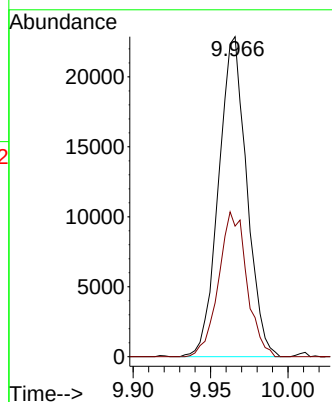
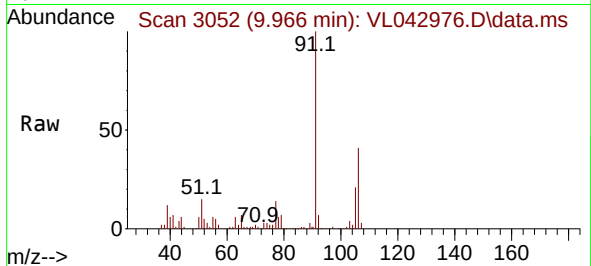




#60
o-Xylene
Concen: 0.608 ppbv
RT: 9.966 min Scan# 3050
Delta R.T. 0.006 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

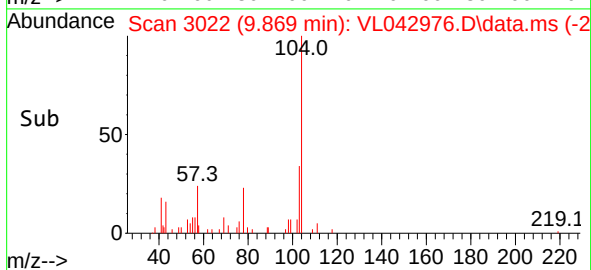
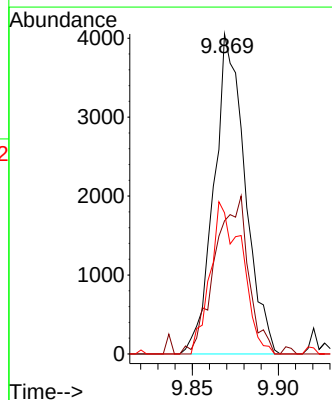
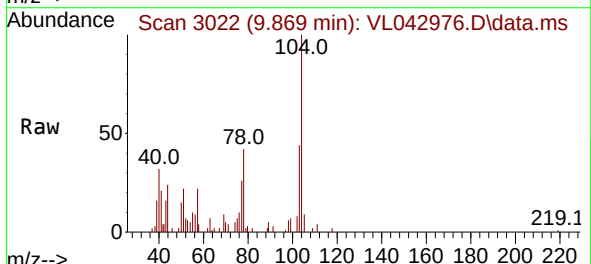
Instrument :
MSVOA_1
ClientSampleId :
141-1A-2

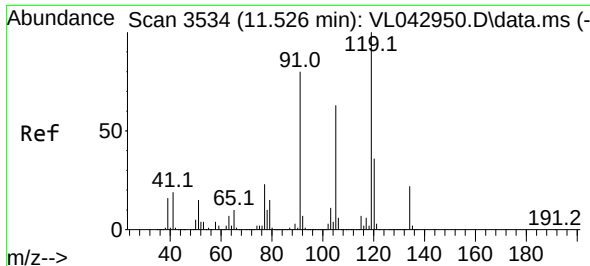
Tgt Ion: 91 Resp: 28894
Ion Ratio Lower Upper
91 100
106 45.5 22.4 67.0



#61
Styrene
Concen: 0.226 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.003 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

Tgt Ion: 104 Resp: 5085
Ion Ratio Lower Upper
104 100
78 54.8 39.9 59.9
103 48.6 36.9 55.3

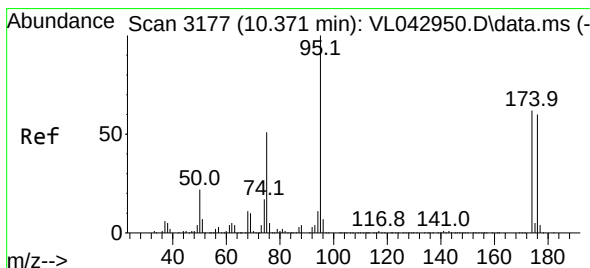
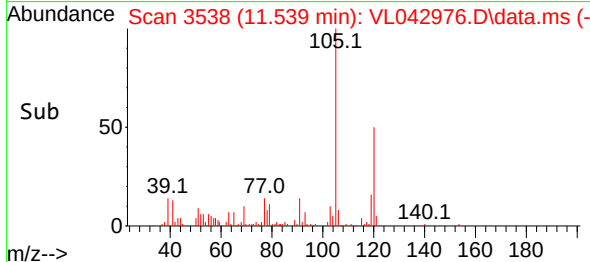
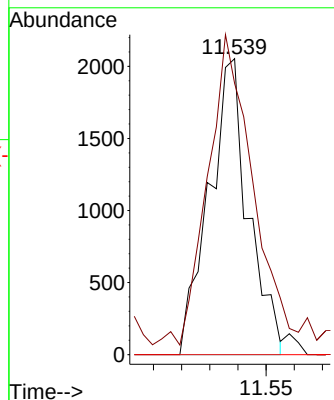
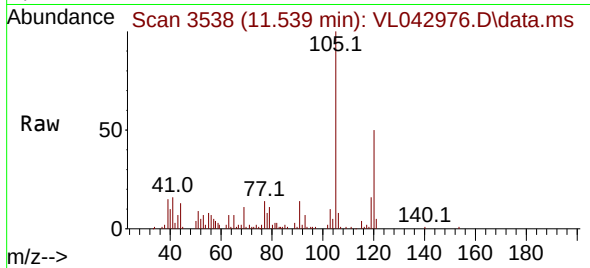




#65
tert-Butylbenzene
Concen: 0.032 ppbv
RT: 11.539 min Scan# 3119
Delta R.T. 0.013 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

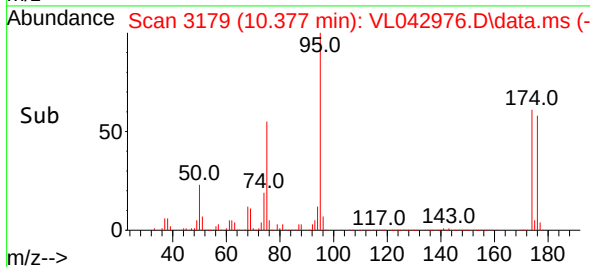
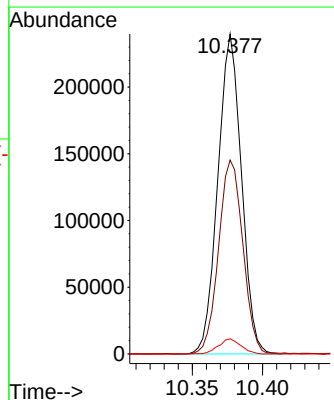
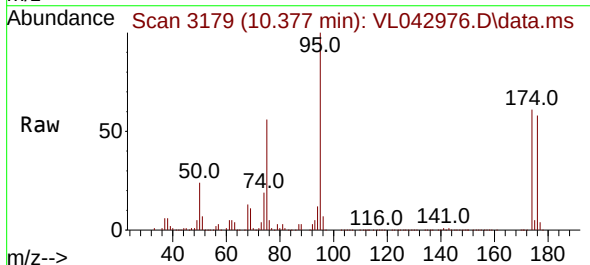
Instrument :
MSVOA_1
ClientSampleId :
141-1A-2

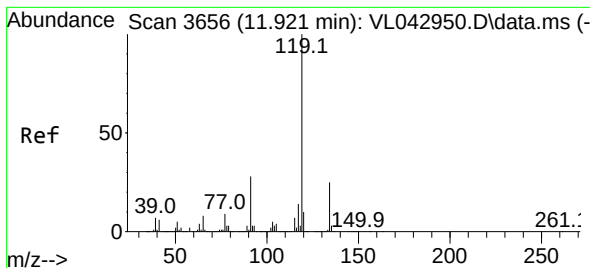
Tgt Ion:119 Resp: 1987
Ion Ratio Lower Upper
119 100
91 142.4 63.1 94.7#
134 0.0 17.0 25.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.222 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

Tgt Ion: 95 Resp: 280234
Ion Ratio Lower Upper
95 100
174 62.4 51.4 77.2
175 4.5 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.047 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.003 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

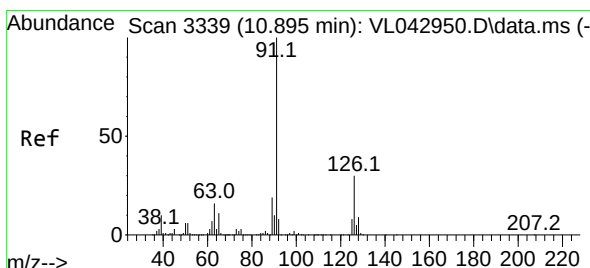
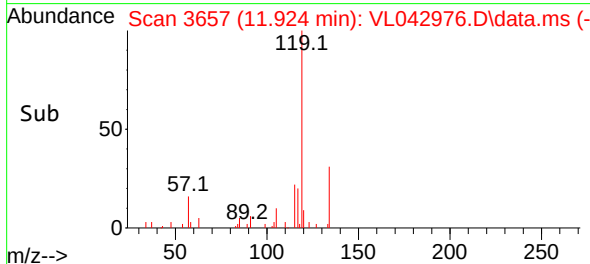
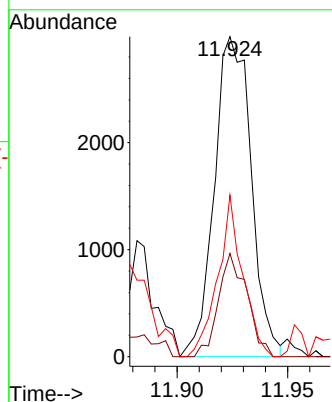
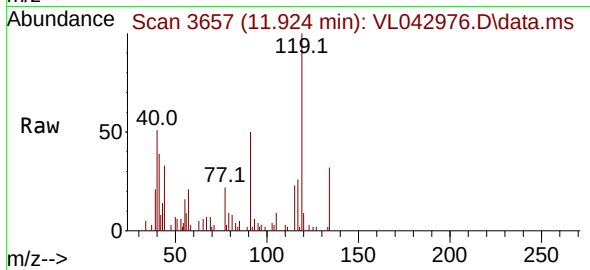
Instrument :

MSVOA_1

ClientSampleId :

141-1A-2

Tgt Ion:	119	Resp:	3458
Ion	Ratio	Lower	Upper
119	100		
134	25.1	21.0	31.4
91	40.3	22.3	33.5#



#71

2-Chlorotoluene

Concen: 0.195 ppbv

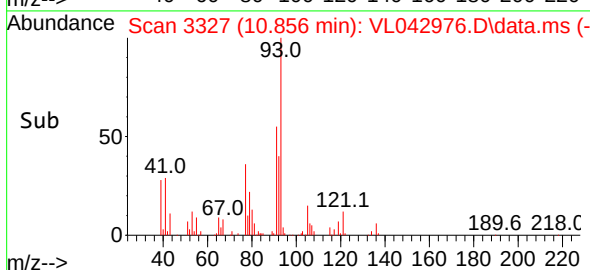
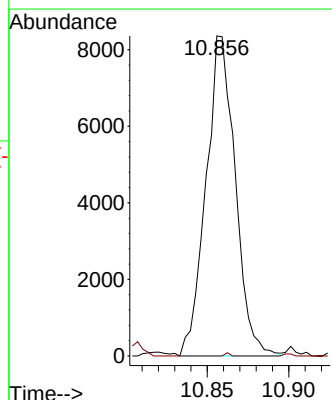
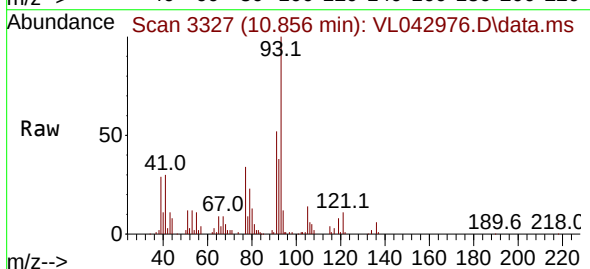
RT: 10.856 min Scan# 3327

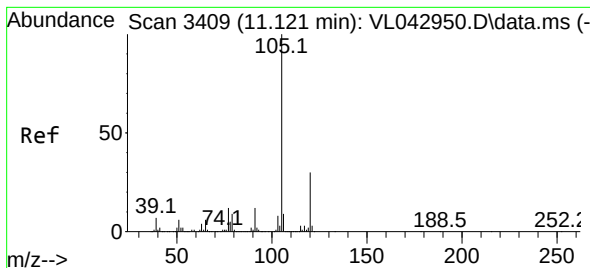
Delta R.T. -0.039 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

Tgt Ion:	91	Resp:	10436
Ion	Ratio	Lower	Upper
91	100		
126	0.2	12.3	49.3#

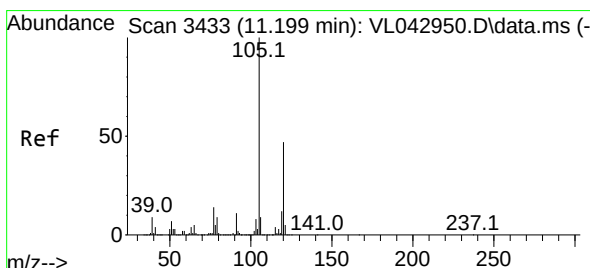
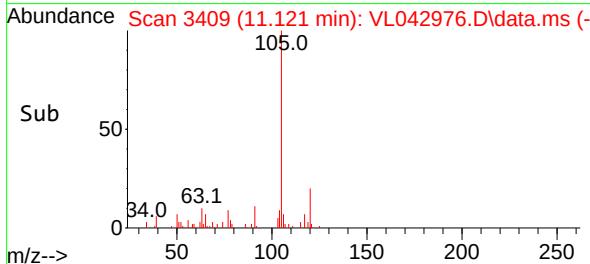
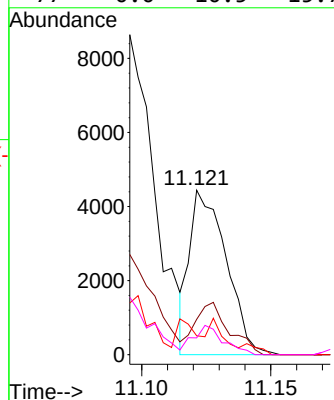
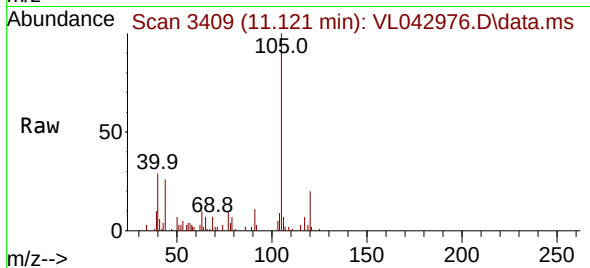




#72
4-Ethyltoluene
Concen: 0.073 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

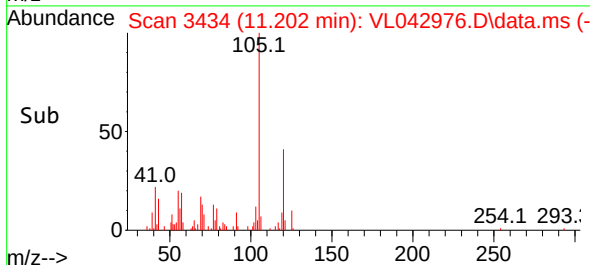
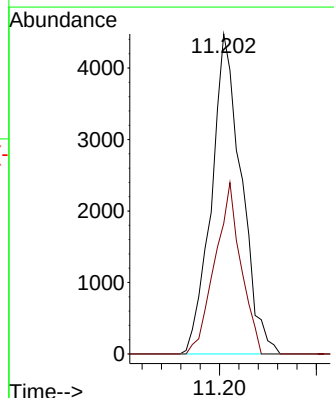
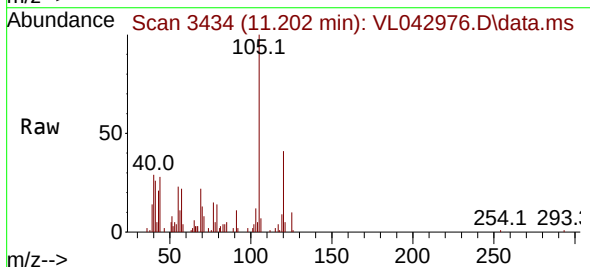
Instrument :
MSVOA_1
ClientSampleId :
141-1A-2

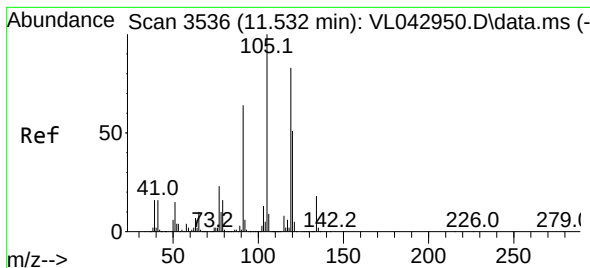
Tgt Ion:	105	Resp:	4364
Ion Ratio	Lower	Upper	
105	100		
120	0.0	24.2	36.2#
91	0.0	10.0	15.0#
77	0.0	10.5	15.7#



#73
1,3,5-Trimethylbenzene
Concen: 0.100 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. 0.003 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

Tgt Ion:	105	Resp:	4817
Ion Ratio	Lower	Upper	
105	100		
120	40.8	38.0	57.0





#74

1,2,4-Trimethylbenzene

Concen: 0.291 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.003 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

Instrument :

MSVOA_1

ClientSampleId :

141-1A-2

Tgt Ion:105 Resp: 15499

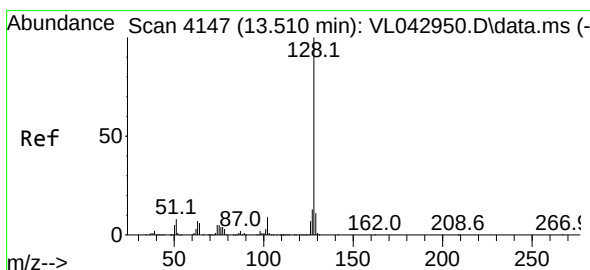
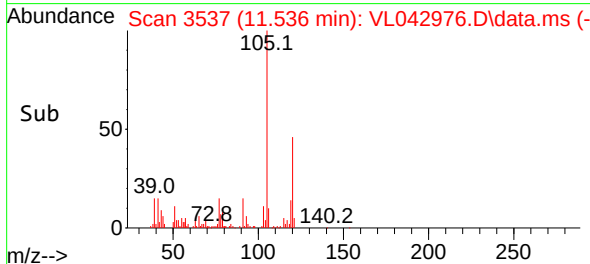
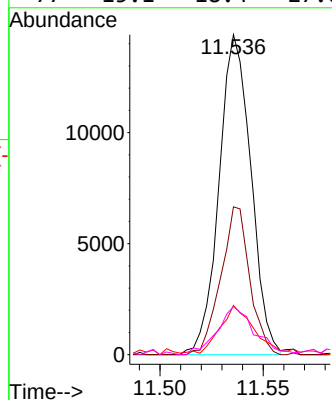
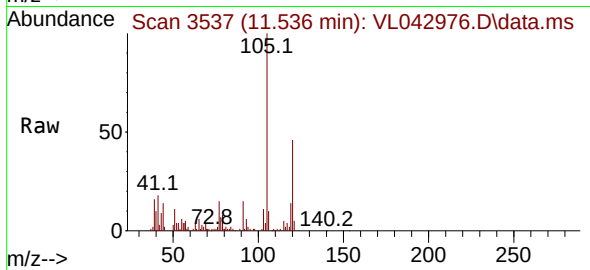
Ion Ratio Lower Upper

105 100

120 46.2 40.9 61.3

91 14.9 51.2 76.8#

77 15.1 18.4 27.6#



#79

Naphthalene

Concen: 0.097 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL042976.D

Acq: 23 Sep 2025 02:22

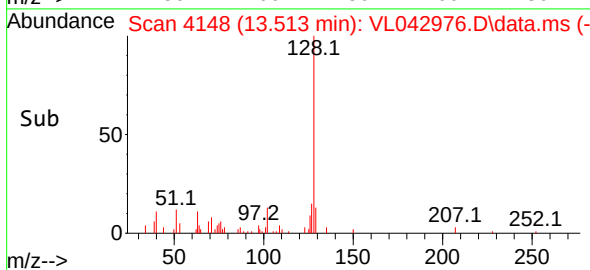
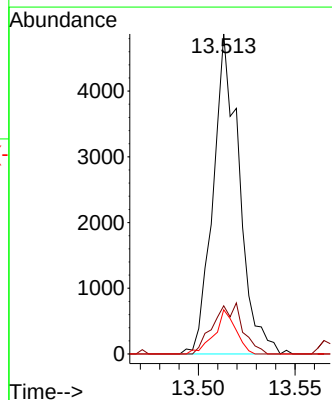
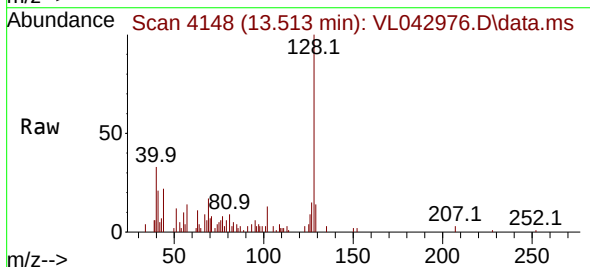
Tgt Ion:128 Resp: 4568

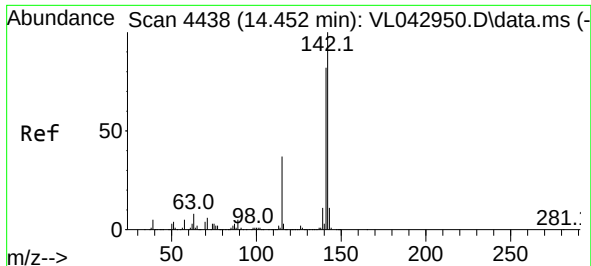
Ion Ratio Lower Upper

128 100

127 15.1 10.6 15.8

129 13.8 9.0 13.6#

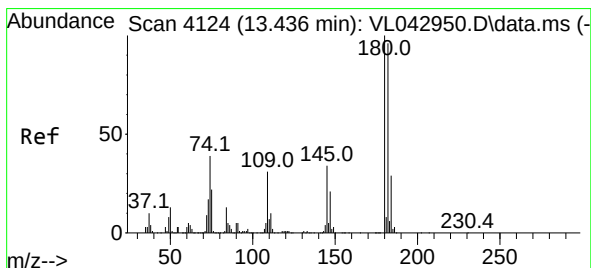
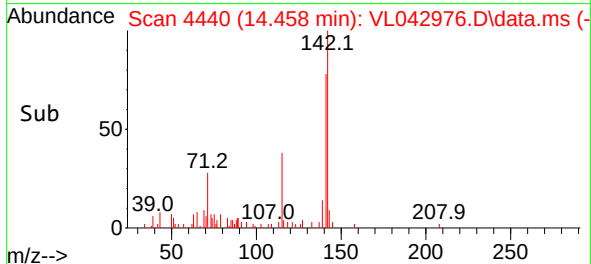
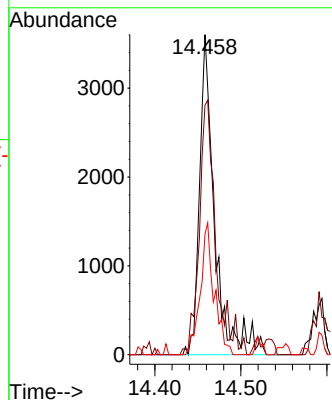
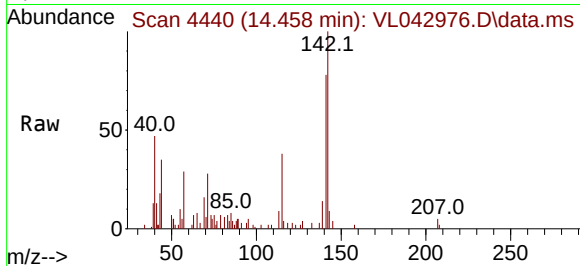




#80
Naphthalene,2-methyl-
Concen: 0.298 ppbv
RT: 14.458 min Scan# 4438
Delta R.T. 0.006 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

Instrument :
MSVOA_1
ClientSampleId :
141-1A-2

Tgt Ion:142 Resp: 4342
Ion Ratio Lower Upper
142 100
141 87.5 65.1 97.7
115 38.2 28.9 43.3



#81
1,2,4-Trichlorobenzene
Concen: 0.032 ppbv
RT: 13.445 min Scan# 4127
Delta R.T. 0.010 min
Lab File: VL042976.D
Acq: 23 Sep 2025 02:22

Tgt Ion:180 Resp: 796
Ion Ratio Lower Upper
180 100
182 84.8 75.7 113.5
184 39.1 23.9 35.9#

