

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043008.D
 Acq On : 24 Sep 2025 14:06
 Operator : SY/MD
 Sample : Q3154-02DUP 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DUP

Quant Time: Sep 25 01:55:55 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	156171	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	479208	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	432263	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	328265	10.173	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	5597	0.266	ppbv	# 82
3) Chlorodifluoromethane	1.560	51	1574	0.060	ppbv	100
4) Chloromethane	1.531	50	2082	0.219	ppbv	# 86
6) Bromomethane	1.667	94	123	0.041	ppbv	96
7) Chloroethane	1.706	64	144	0.043	ppbv	# 79
9) Propene	1.560	41	51243	4.499	ppbv	96
10) Heptane	4.985	43	34182	1.125	ppbv	99
11) Trichlorofluoromethane	1.877	101	6964	0.344	ppbv	87
12) 1,1,2-Trichlorotrifluo...	2.140	101	1201	0.073	ppbv	# 78
13) Ethanol	1.722	45	51563	46.670	ppbv	95
15) Acetone	1.835	43	320251	15.744	ppbv	# 81
16) 1,3-Butadiene	1.602	39	10565	1.101	ppbv	# 11
17) tert-Butyl alcohol	2.042	59	3574	0.160	ppbv	# 72
18) 1,1-Dichloroethene	2.340	96	1004	0.132	ppbv	87
19) Isopropyl Alcohol	1.887	45	43490	3.557	ppbv	# 1
20) Methylene Chloride	2.062	84	5872	0.320	ppbv	89
21) Allyl Chloride	2.046	41	1857	0.131	ppbv	# 37
22) trans-1,2-Dichloroethene	2.340	96	1004	0.116	ppbv	90
23) Vinyl Acetate	2.476	43	165726	5.703	ppbv	# 41
25) Ethyl Acetate	2.829	43	65713	1.278	ppbv	# 82
26) Hexane	2.829	57	85879	3.665	ppbv	# 43
27) Carbon Disulfide	2.152	76	43414	2.066	ppbv	# 1
29) Chloroform	2.848	83	2448	0.080	ppbv	98
30) Cyclohexane	3.861	84	94323	4.814	ppbv	98
32) 1,1,1-Trichloroethane	3.369	97	8650	0.261	ppbv	98
34) 2-Butanone	2.560	43	43876	1.306	ppbv	98
36) Benzene	3.661	78	56690	1.260	ppbv	98
37) 1,2-Dichloroethane	3.230	62	1085	0.046	ppbv	96
38) Trichloroethene	4.551	130	17145	0.767	ppbv	97
39) 1,2-Dichloropropane	3.962	63	114503	6.970	ppbv	# 24
41) Tetrahydrofuran	3.065	42	12642	0.655	ppbv	99
42) Bromodichloromethane	4.515	83	2998	0.091	ppbv	# 26
44) 2,2,4-Trimethylpentane	4.641	57	46849	0.603	ppbv	# 43
51) 2-Hexanone	7.425	43	2532	0.071	ppbv	# 71
52) Tetrachloroethene	8.228	164	14452	0.830	ppbv	87
53) Toluene	6.936	91	100347	1.884	ppbv	100
57) Chlorobenzene	8.868	112	3825	0.097	ppbv	# 62
58) Ethyl Benzene	9.357	91	25737	0.363	ppbv	99
59) m/p-Xylene	9.535	91	58092	1.038	ppbv	# 100
60) o-Xylene	9.966	91	35078	0.627	ppbv	93
61) Styrene	9.875	104	100933	3.815	ppbv	98
62) Isopropylbenzene	10.539	105	7642	0.092	ppbv	98
64) n-propylbenzene	10.992	120	1955	0.090	ppbv	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043008.D
 Acq On : 24 Sep 2025 14:06
 Operator : SY/MD
 Sample : Q3154-02DUP 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DUP

Quant Time: Sep 25 01:55:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

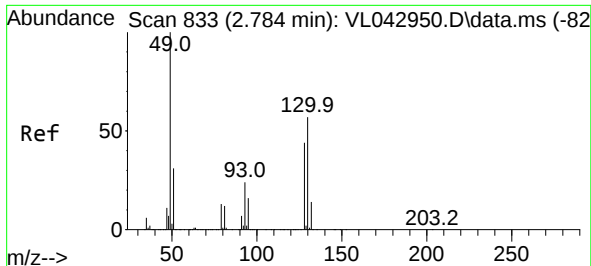
65) tert-Butylbenzene	11.885	119	2799	0.038	ppbv	88
70) n-Butylbenzene	12.280	91	3335	0.039	ppbv #	51
71) 2-Chlorotoluene	10.859	91	24746	0.393	ppbv	93
72) 4-Ethyltoluene	11.128	105	7681	0.110	ppbv #	60
73) 1,3,5-Trimethylbenzene	11.202	105	8960	0.158	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	25760	0.411	ppbv #	64
76) 1,4-Dichlorobenzene	11.675	146	1336	0.035	ppbv #	1
79) Naphthalene	13.513	128	11623	0.210	ppbv #	93
80) Naphthalene,2-methyl-	14.458	142	6671	0.389	ppbv #	90

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

Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

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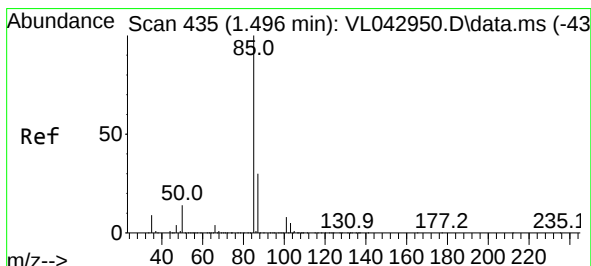
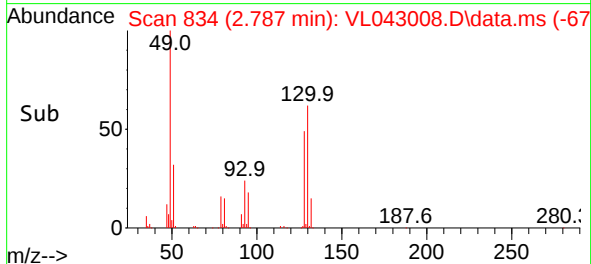
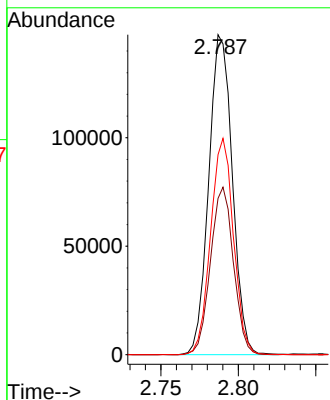
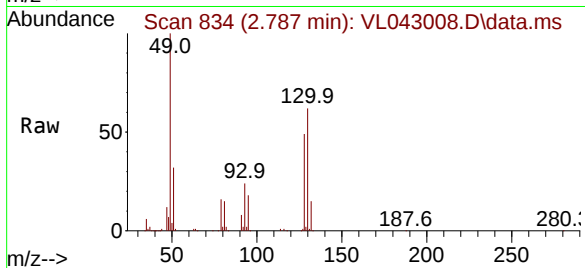




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

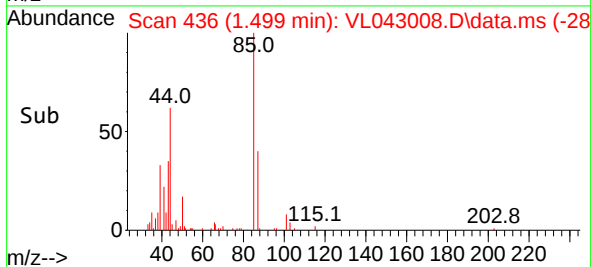
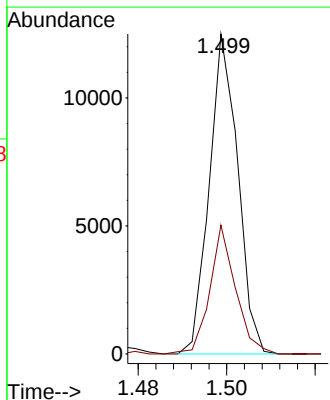
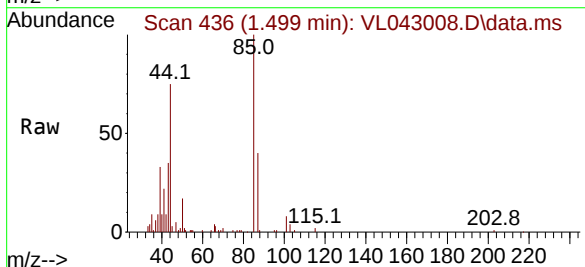
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

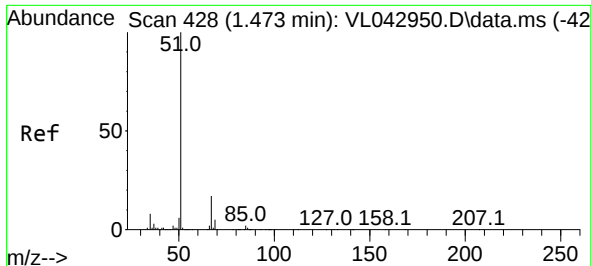
Tgt Ion: 49 Resp: 156171
Ion Ratio Lower Upper
49 100
128 51.0 22.9 68.8
130 65.6 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 0.266 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 85 Resp: 5597
Ion Ratio Lower Upper
85 100
87 40.3 24.3 36.5#

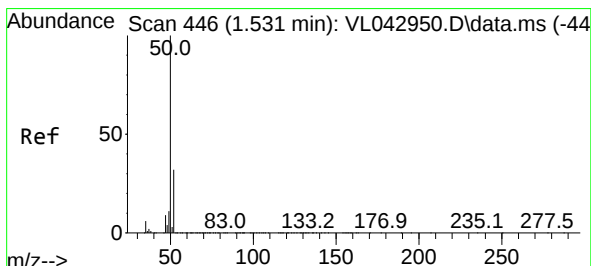
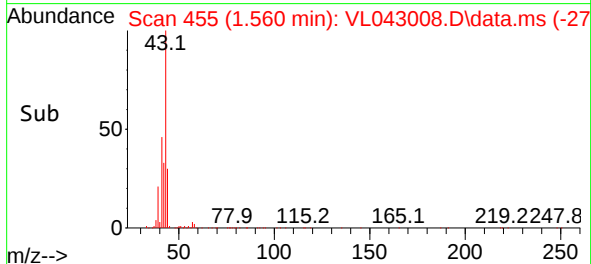
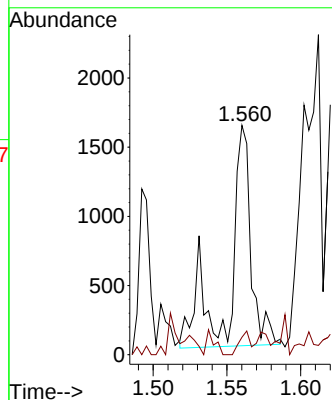
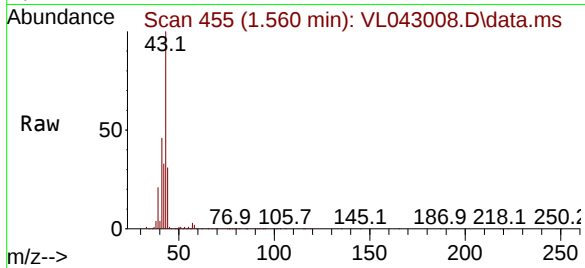




#3
Chlorodifluoromethane
Concen: 0.060 ppbv
RT: 1.560 min Scan# 41
Delta R.T. 0.087 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

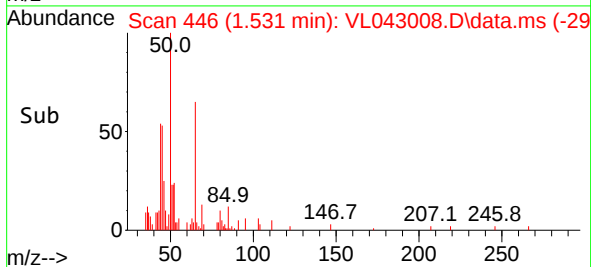
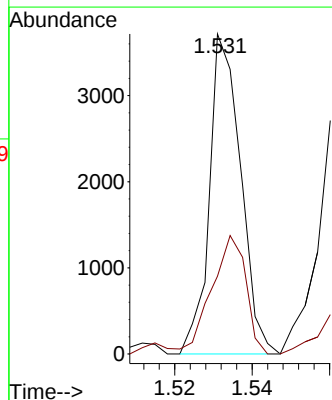
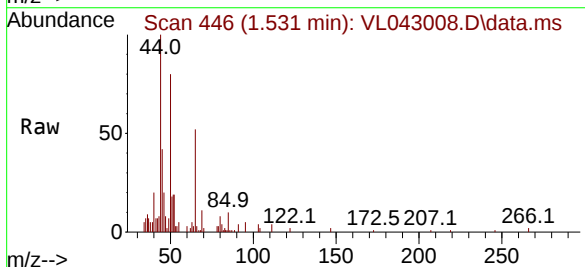
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

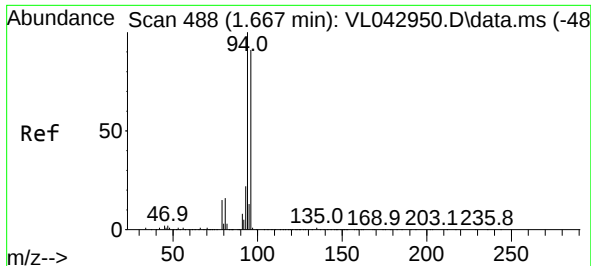
Tgt Ion: 51 Resp: 1574
Ion Ratio Lower Upper
51 100
67 17.5 13.8 20.8



#4
Chloromethane
Concen: 0.219 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 50 Resp: 2082
Ion Ratio Lower Upper
50 100
52 24.3 25.9 38.9#

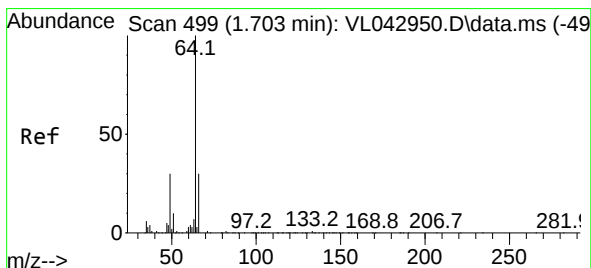
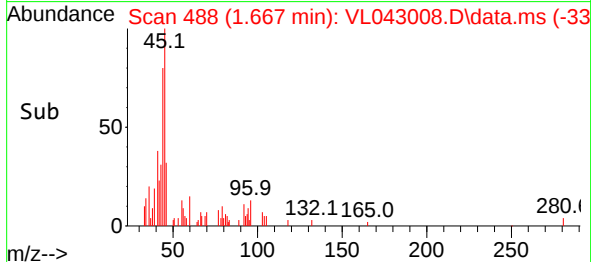
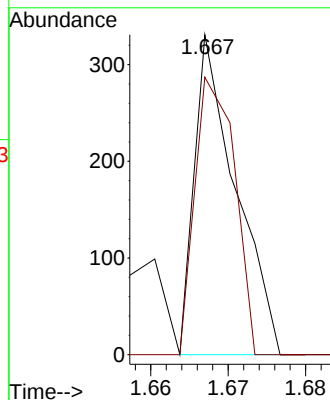
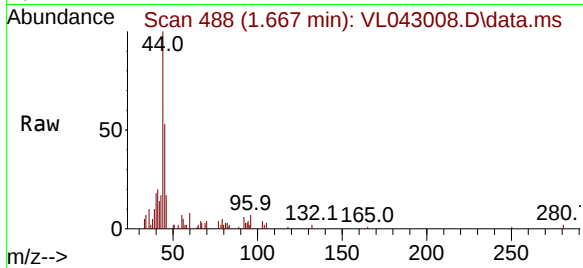




#6
Bromomethane
Concen: 0.041 ppbv
RT: 1.667 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

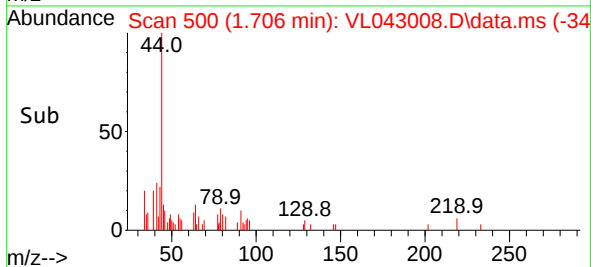
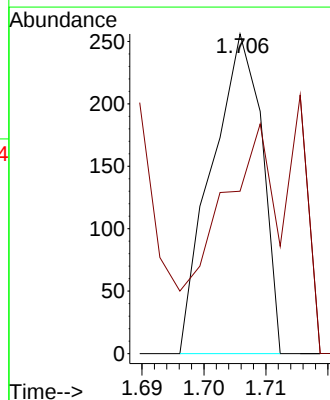
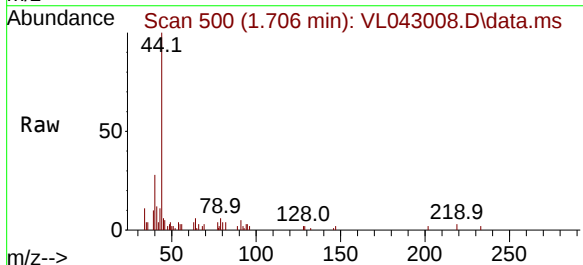
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

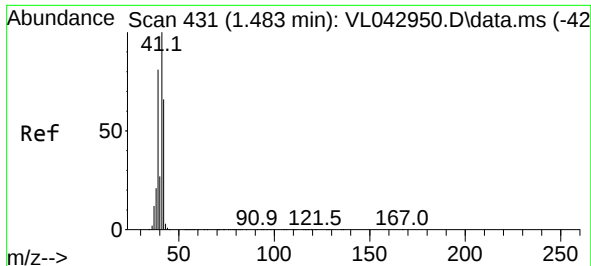
Tgt Ion: 94 Resp: 123
Ion Ratio Lower Upper
94 100
96 86.7 72.6 108.8



#7
Chloroethane
Concen: 0.043 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 42.1 24.6 36.8





#9

Propene

Concen: 4.499 ppbv

RT: 1.560 min Scan# 41

Delta R.T. 0.077 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

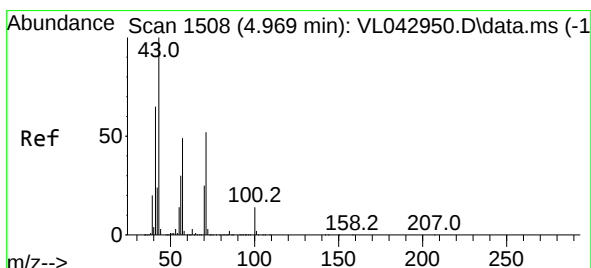
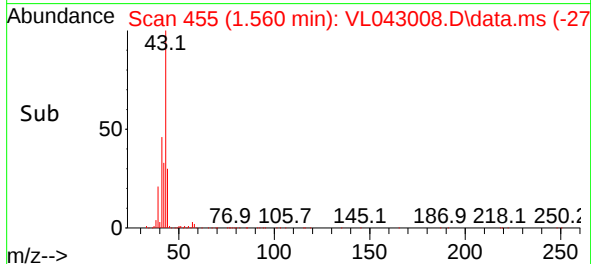
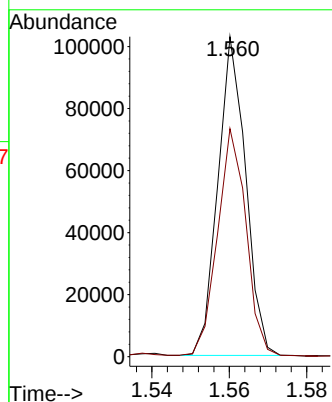
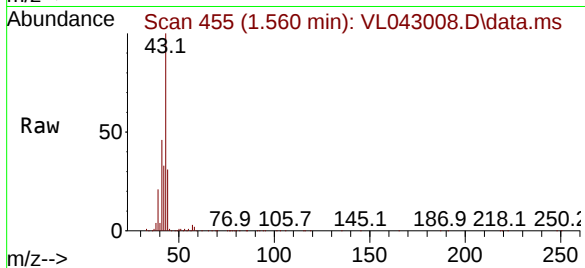
SV2DUP

Tgt Ion: 41 Resp: 51243

Ion Ratio Lower Upper

41 100

42 74.8 57.4 86.2



#10

Heptane

Concen: 1.125 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.016 min

Lab File: VL043008.D

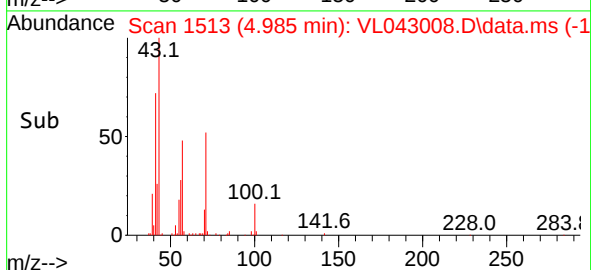
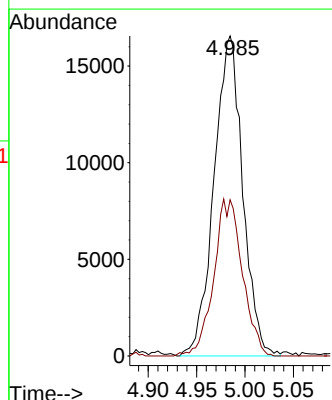
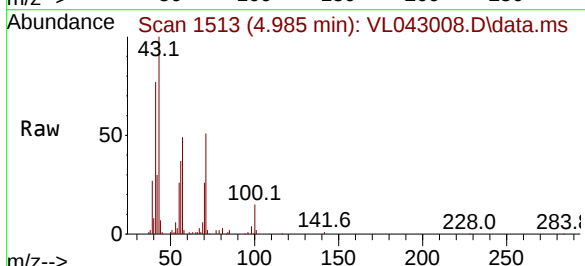
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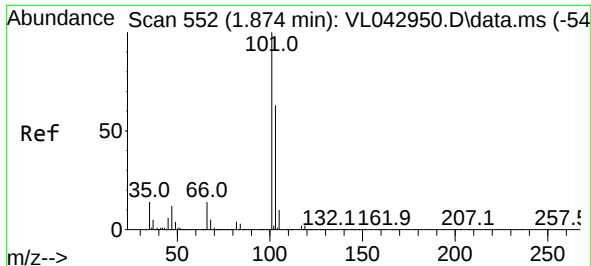
Tgt Ion: 43 Resp: 34182

Ion Ratio Lower Upper

43 100

57 48.9 38.6 57.8

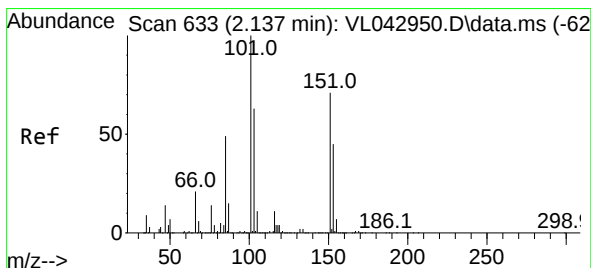
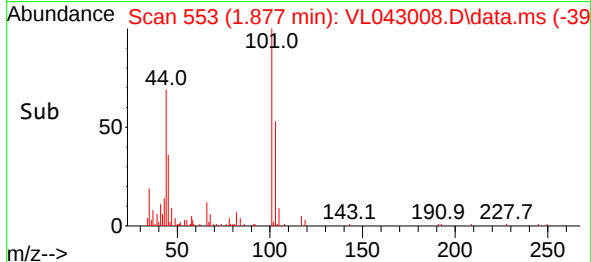
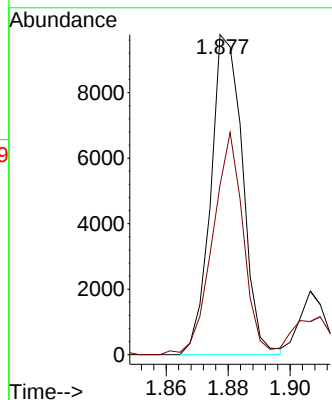
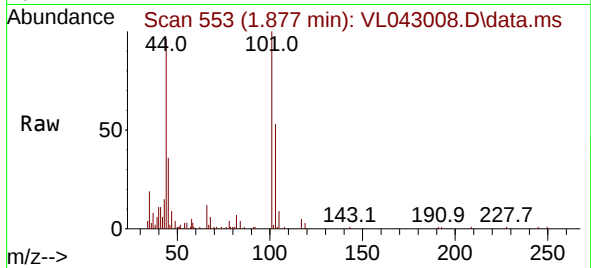




#11
Trichlorofluoromethane
Concen: 0.344 ppbv
RT: 1.877 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

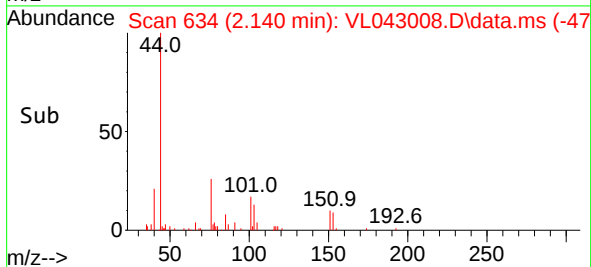
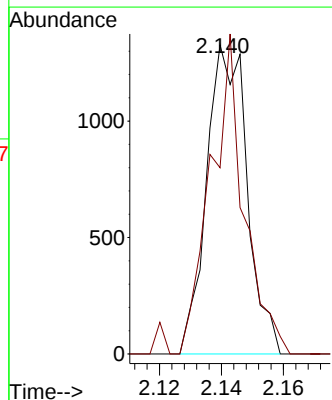
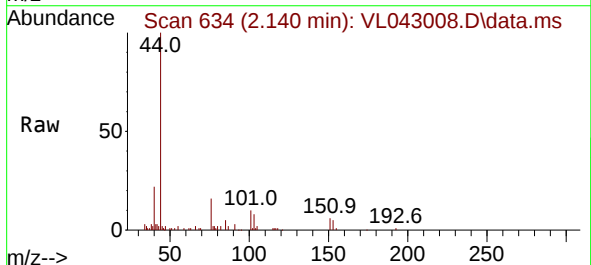
Instrument :
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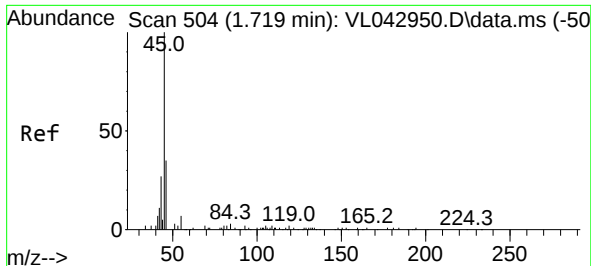
Tgt Ion:101 Resp: 6964
Ion Ratio Lower Upper
101 100
103 52.2 50.1 75.1



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.073 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion:101 Resp: 1201
Ion Ratio Lower Upper
101 100
151 87.6 55.7 83.5#

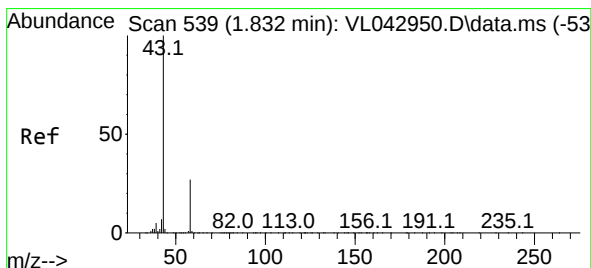
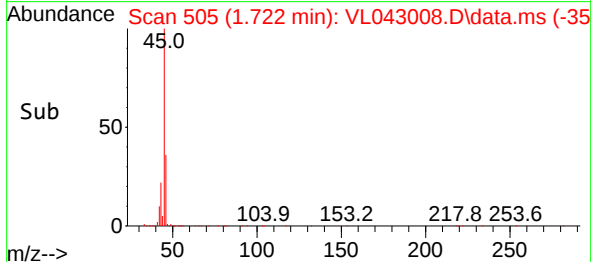
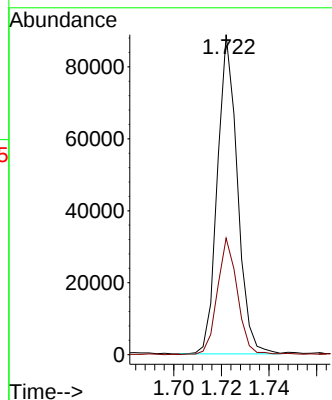
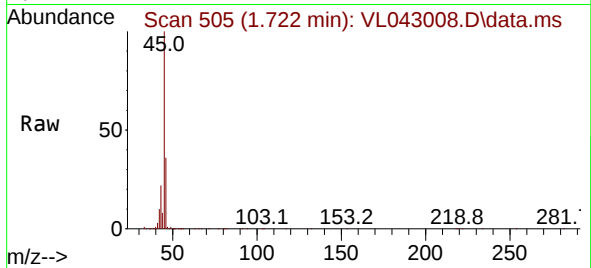




#13
Ethanol
Concen: 46.670 ppbv
RT: 1.722 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

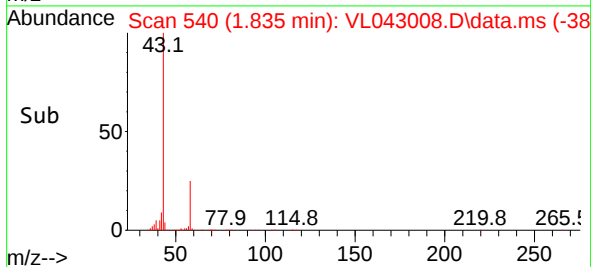
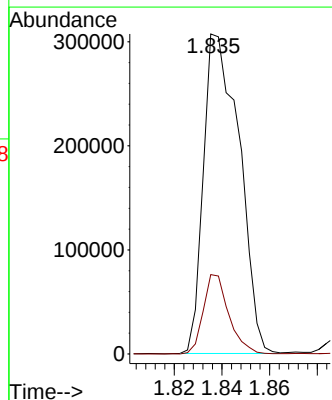
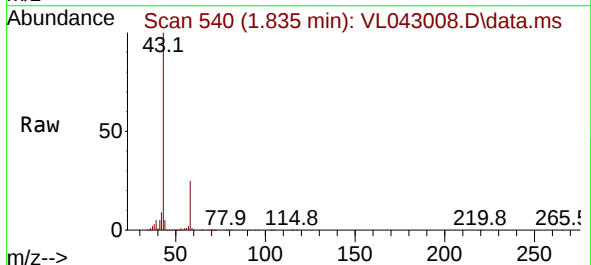
Instrument :
MSVOA_L
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SV2DUP

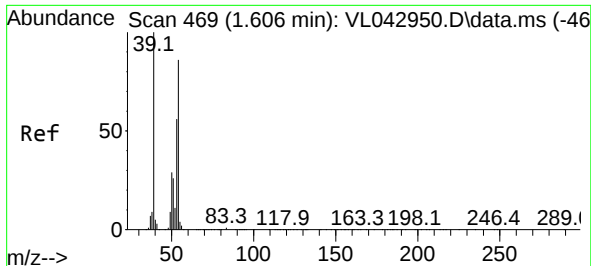
Tgt Ion: 45 Resp: 51563
Ion Ratio Lower Upper
45 100
46 37.4 16.2 64.6



#15
Acetone
Concen: 15.744 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 43 Resp: 320251
Ion Ratio Lower Upper
43 100
58 17.8 22.3 33.5#

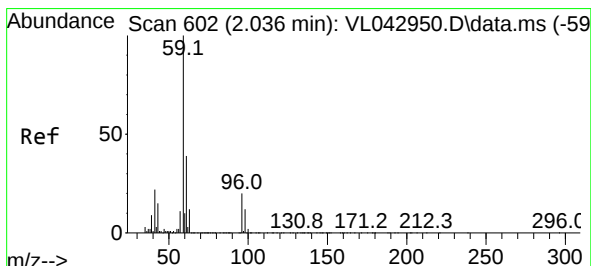
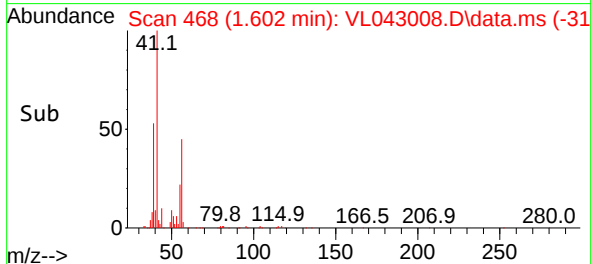
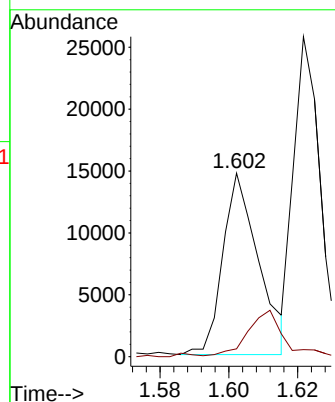
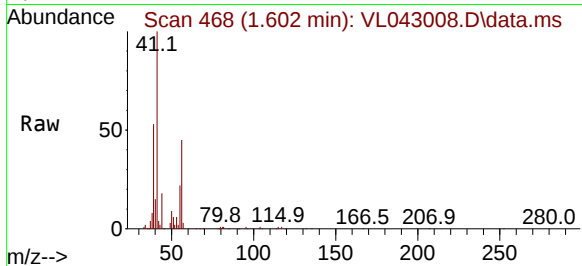




#16
1,3-Butadiene
Concen: 1.101 ppbv
RT: 1.602 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

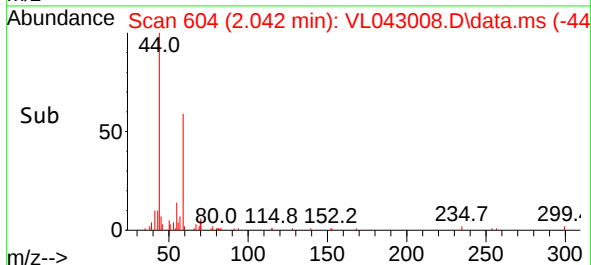
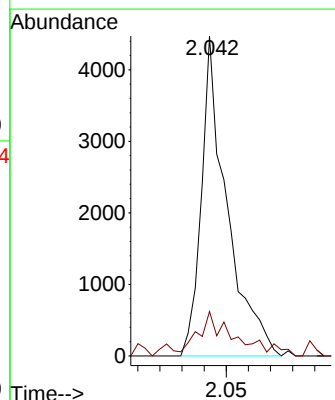
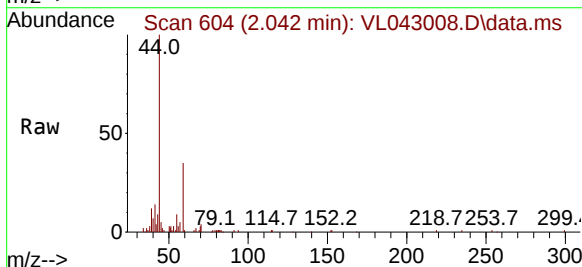
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

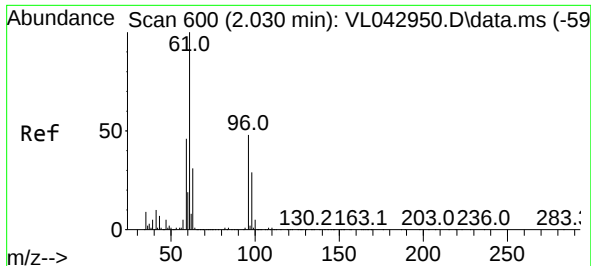
Tgt Ion: 39 Resp: 10565
Ion Ratio Lower Upper
39 100
54 0.0 60.8 91.2#



#17
tert-Butyl alcohol
Concen: 0.160 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.006 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 59 Resp: 3574
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

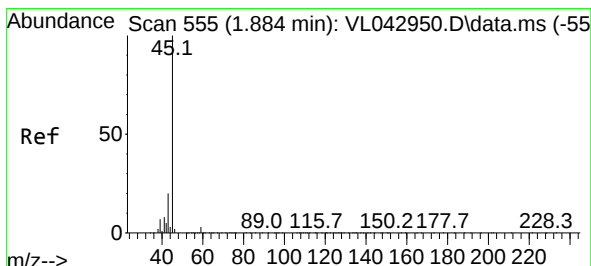
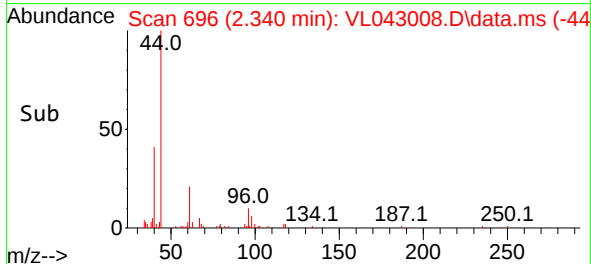
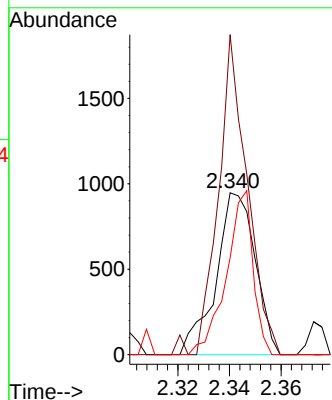
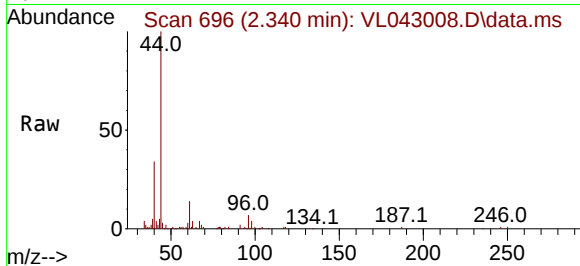




#18
1,1-Dichloroethene
Concen: 0.132 ppbv
RT: 2.340 min Scan# 600
Delta R.T. 0.310 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

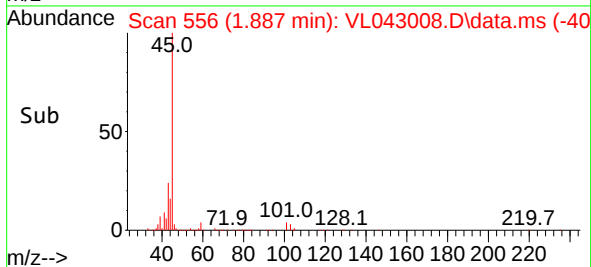
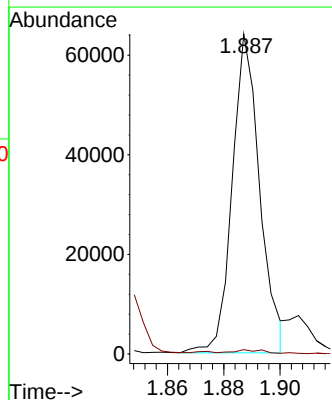
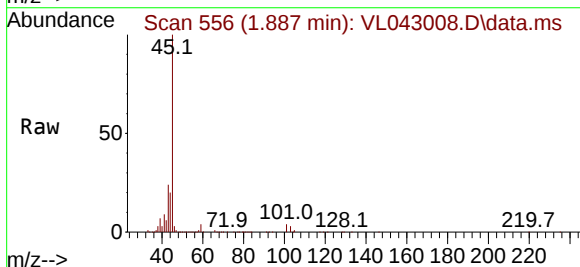
Instrument :
MSVOA_1
ClientSampleId :
SV2DUP

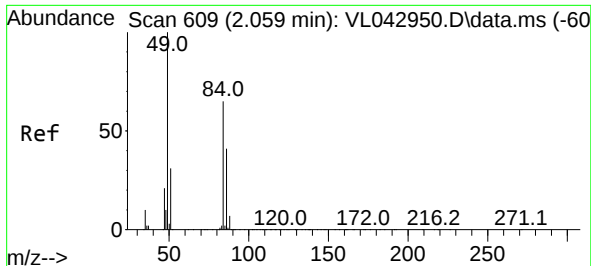
Tgt Ion: 96 Resp: 1004
Ion Ratio Lower Upper
96 100
61 185.4 166.2 249.4
98 56.1 48.6 73.0



#19
Isopropyl Alcohol
Concen: 3.557 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 45 Resp: 43490
Ion Ratio Lower Upper
45 100
58 133.5 31.0 46.6#





#20

Methylene Chloride

Concen: 0.320 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

SV2DUP

Tgt Ion: 84 Resp: 5872

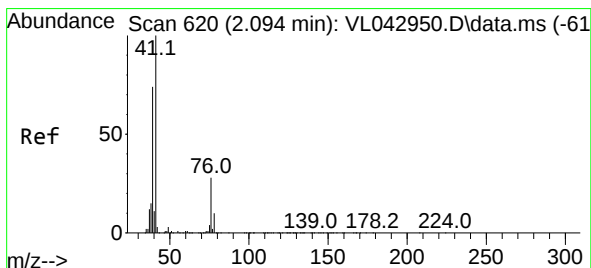
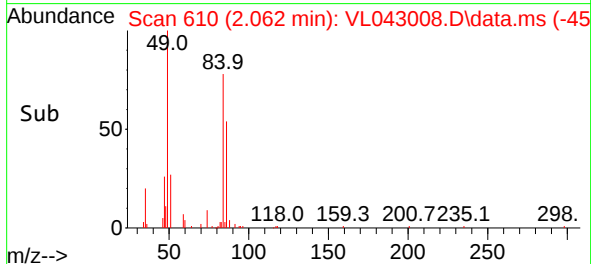
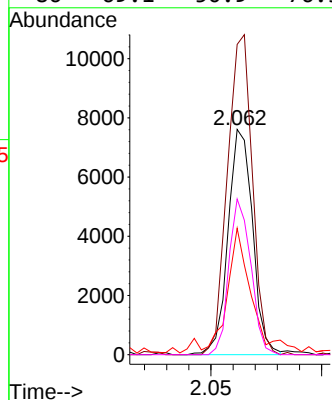
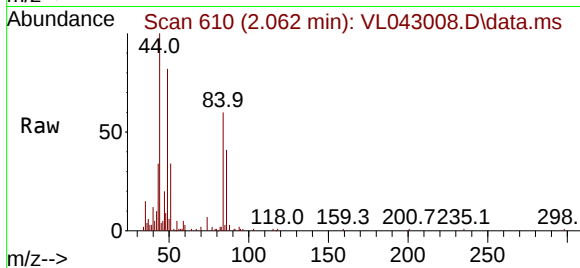
Ion Ratio Lower Upper

84 100

49 137.8 124.1 186.1

51 55.3 39.8 59.8

86 69.1 50.9 76.3



#21

Allyl Chloride

Concen: 0.131 ppbv

RT: 2.046 min Scan# 605

Delta R.T. -0.049 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

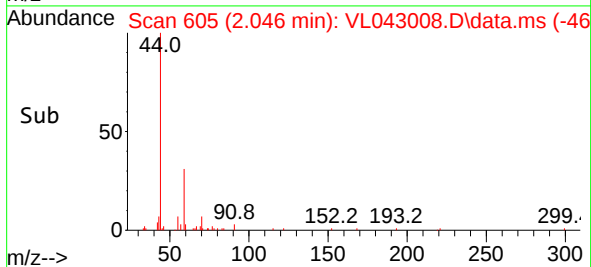
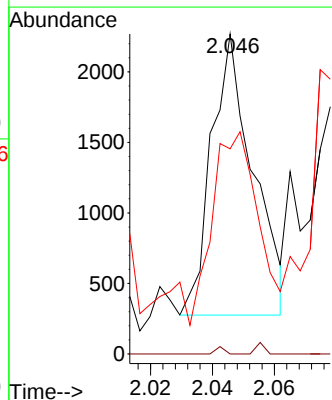
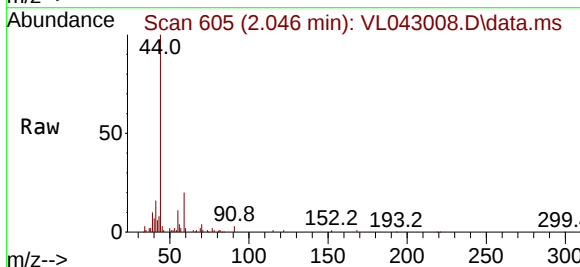
Tgt Ion: 41 Resp: 1857

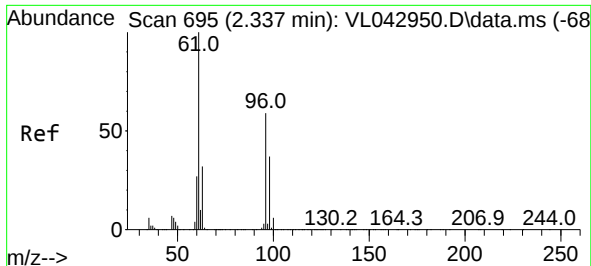
Ion Ratio Lower Upper

41 100

76 0.0 22.3 33.5#

39 134.4 61.3 91.9#

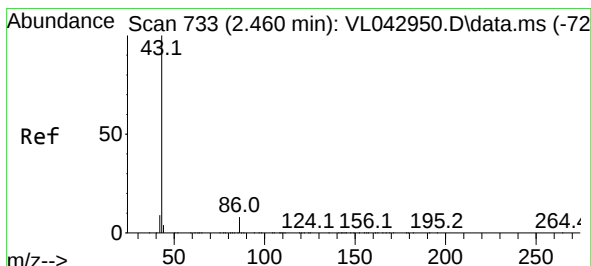
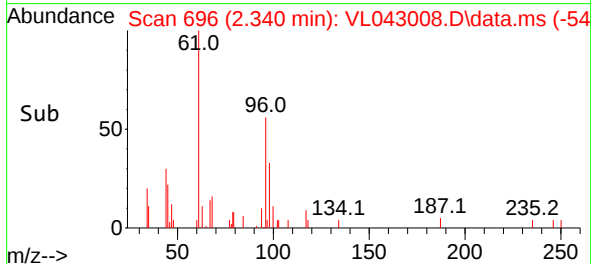
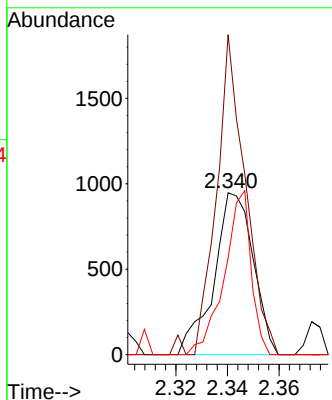
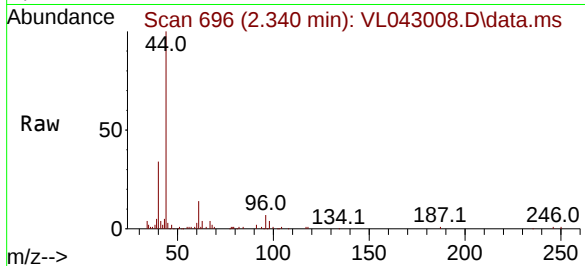




#22
trans-1,2-Dichloroethene
Concen: 0.116 ppbv
RT: 2.340 min Scan# 695
Delta R.T. 0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

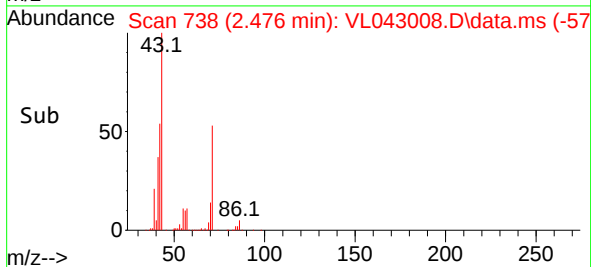
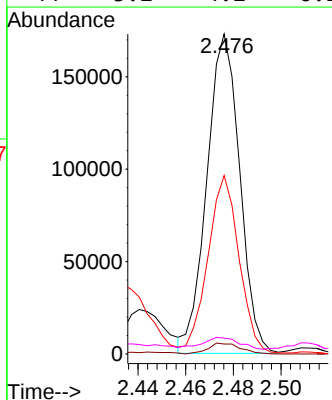
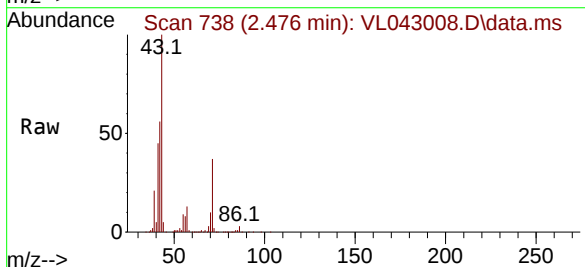
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

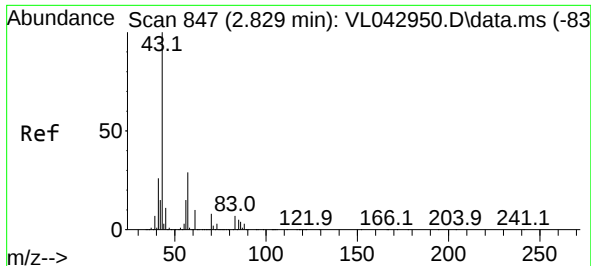
Tgt Ion: 96 Resp: 1004
Ion Ratio Lower Upper
96 100
61 185.4 136.5 204.7
98 56.1 50.6 76.0



#23
Vinyl Acetate
Concen: 5.703 ppbv
RT: 2.476 min Scan# 738
Delta R.T. 0.016 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 43 Resp: 165726
Ion Ratio Lower Upper
43 100
86 3.1 6.2 9.2#
42 55.7 7.4 11.0#
44 3.2 4.2 6.2#

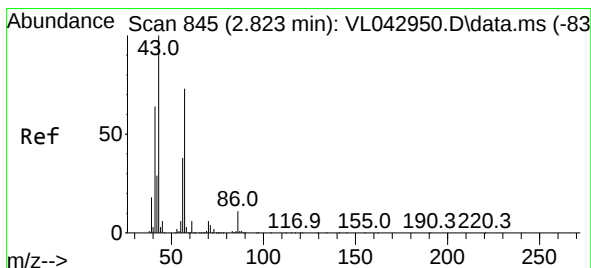
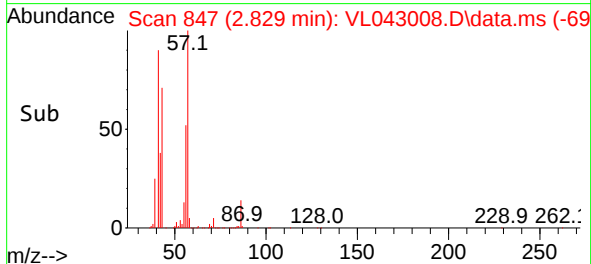
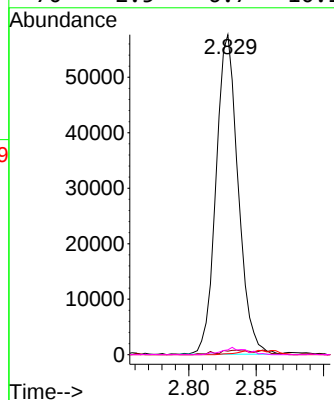
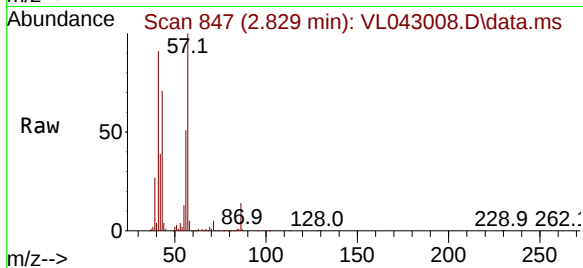




#25
Ethyl Acetate
Concen: 1.278 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

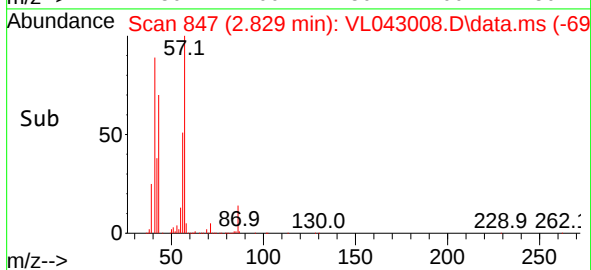
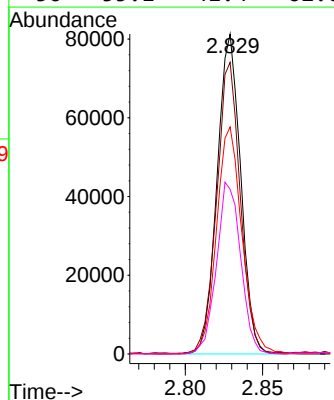
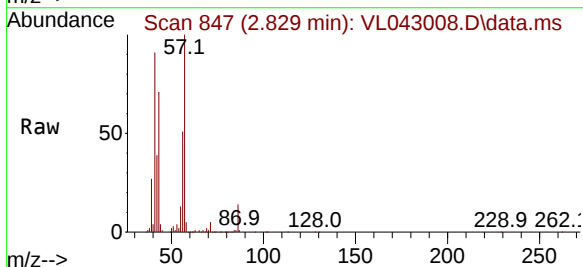
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

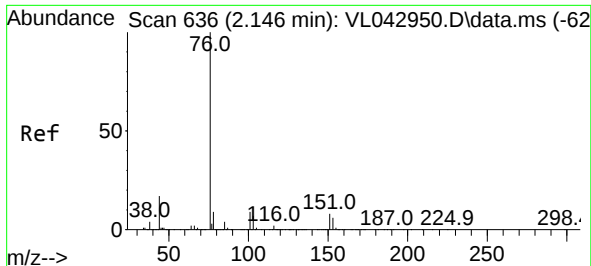
Tgt Ion:	43	Resp:	65713
Ion	Ratio	Lower	Upper
43	100		
45	2.9	7.7	11.5#
61	2.1	7.1	10.7#
70	2.5	6.7	10.1#



#26
Hexane
Concen: 3.665 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion:	57	Resp:	85879
Ion	Ratio	Lower	Upper
57	100		
41	91.3	71.7	107.5
43	76.5	180.8	271.2#
56	55.1	41.4	62.0





#27

Carbon Disulfide

Concen: 2.066 ppbv

RT: 2.152 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

SV2DUP

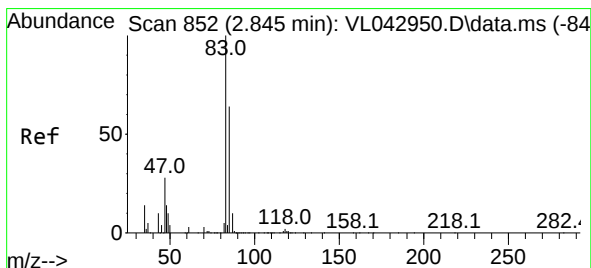
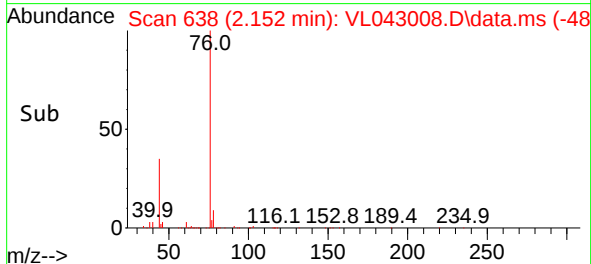
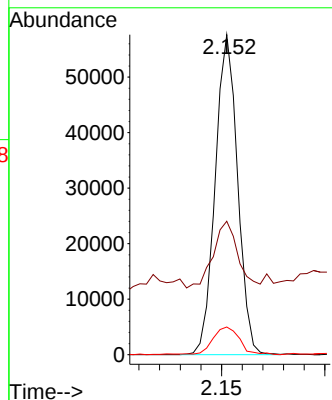
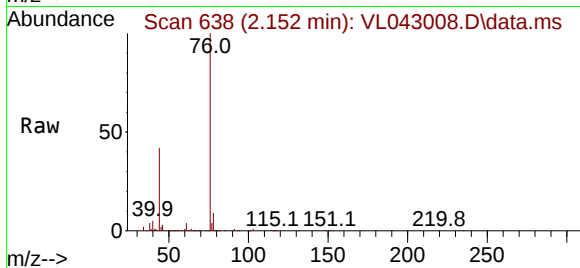
Tgt Ion: 76 Resp: 43414

Ion Ratio Lower Upper

76 100

44 161.5 15.6 23.4#

78 10.8 8.9 13.3



#29

Chloroform

Concen: 0.080 ppbv

RT: 2.848 min Scan# 853

Delta R.T. 0.003 min

Lab File: VL043008.D

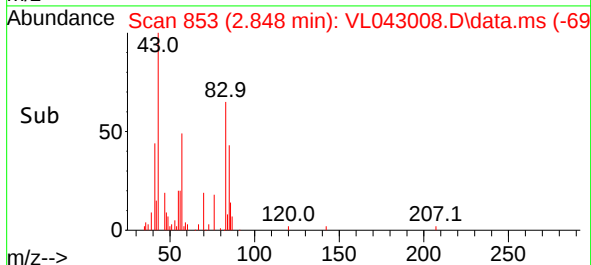
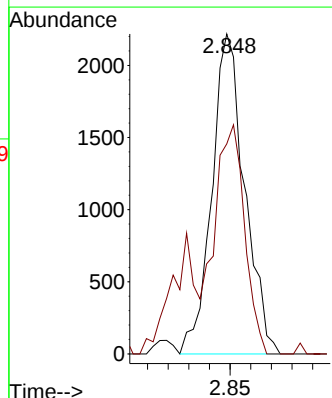
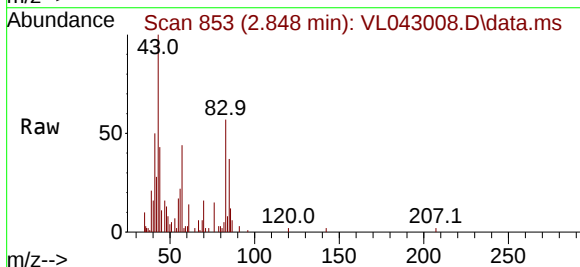
Acq: 24 Sep 2025 14:06

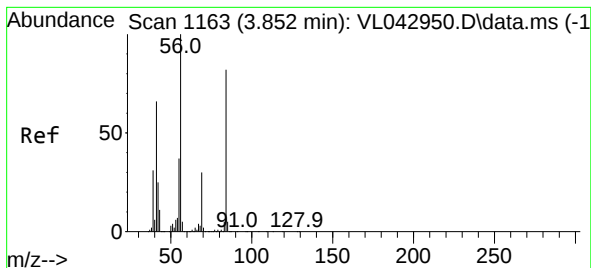
Tgt Ion: 83 Resp: 2448

Ion Ratio Lower Upper

83 100

85 65.6 51.2 76.8





#30

Cyclohexane

Concen: 4.814 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.009 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

SV2DUP

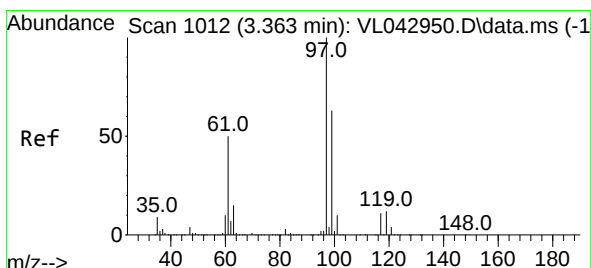
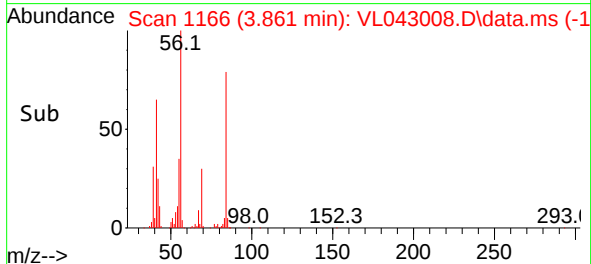
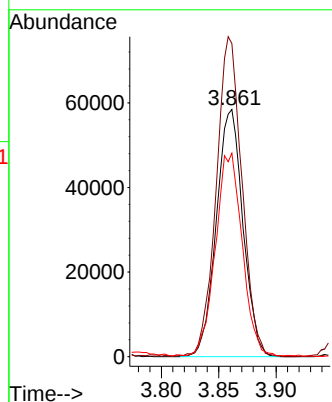
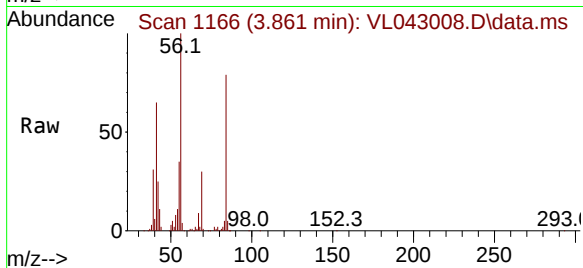
Tgt Ion: 84 Resp: 94323

Ion Ratio Lower Upper

84 100

56 125.3 102.2 153.4

41 83.3 65.6 98.4



#32

1,1,1-Trichloroethane

Concen: 0.261 ppbv

RT: 3.369 min Scan# 1014

Delta R.T. 0.006 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

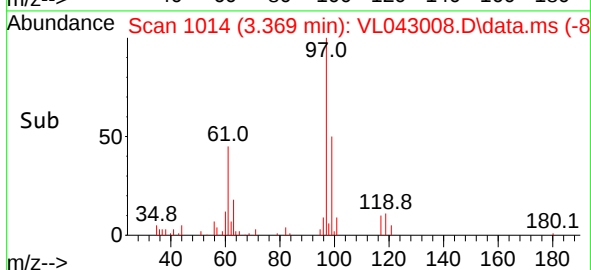
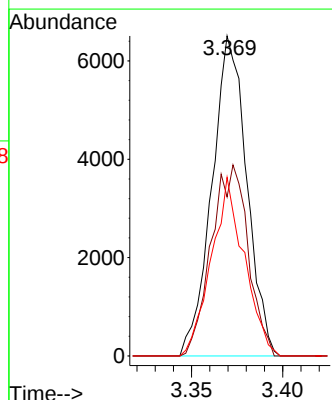
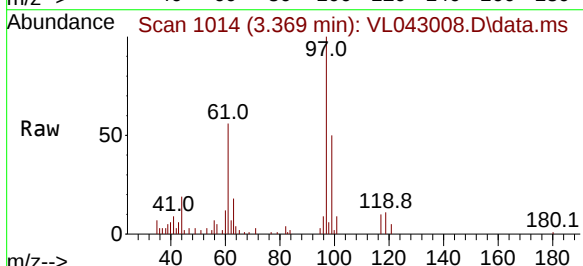
Tgt Ion: 97 Resp: 8650

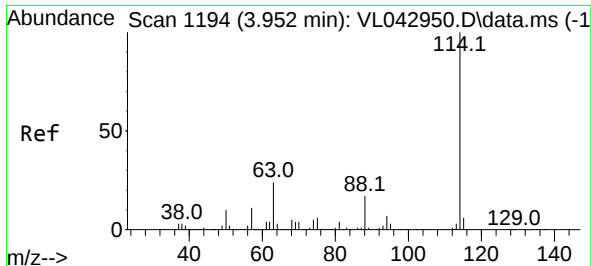
Ion Ratio Lower Upper

97 100

99 63.2 51.1 76.7

61 52.7 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.010 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

SV2DUP

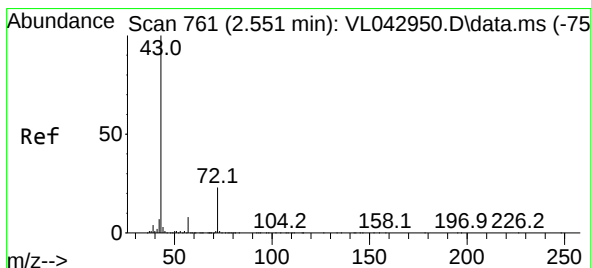
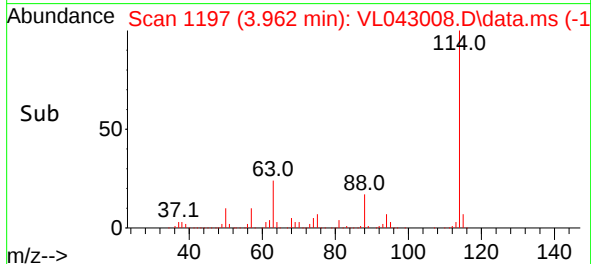
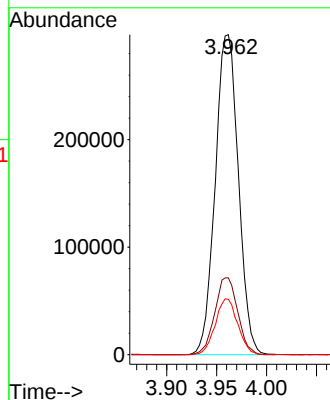
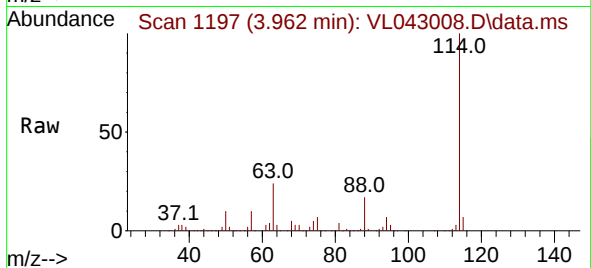
Tgt Ion:114 Resp: 479208

Ion Ratio Lower Upper

114 100

63 23.9 19.4 29.2

88 16.9 14.2 21.2



#34

2-Butanone

Concen: 1.306 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.009 min

Lab File: VL043008.D

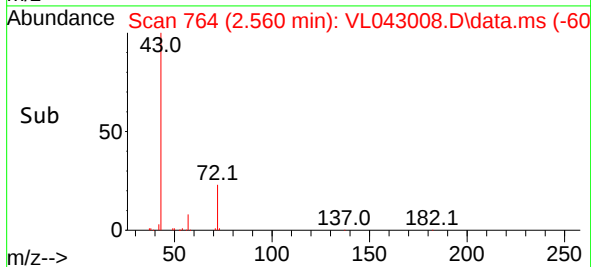
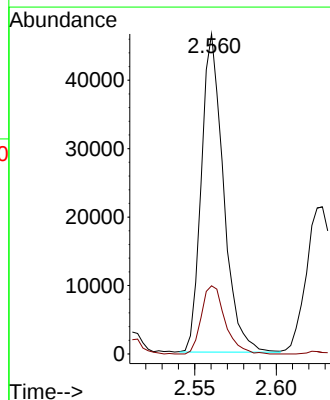
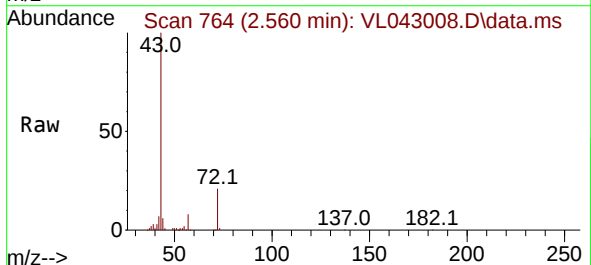
Acq: 24 Sep 2025 14:06

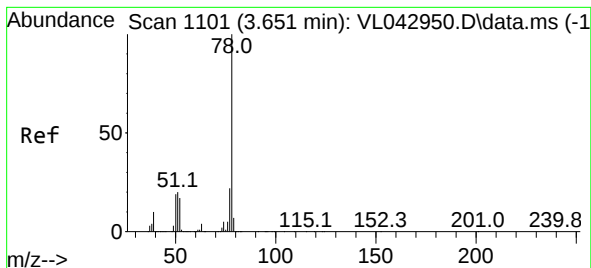
Tgt Ion: 43 Resp: 43876

Ion Ratio Lower Upper

43 100

72 22.8 17.7 26.5





#36

Benzene

Concen: 1.260 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.010 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

SV2DUP

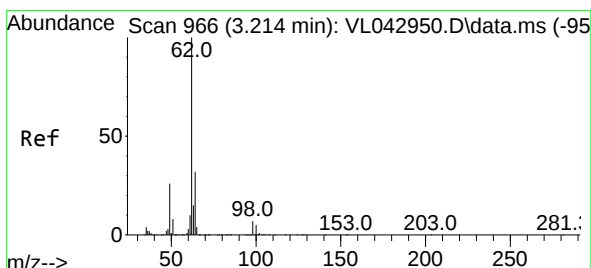
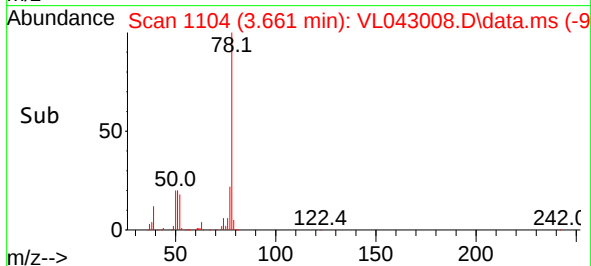
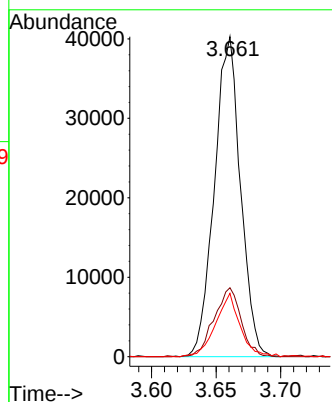
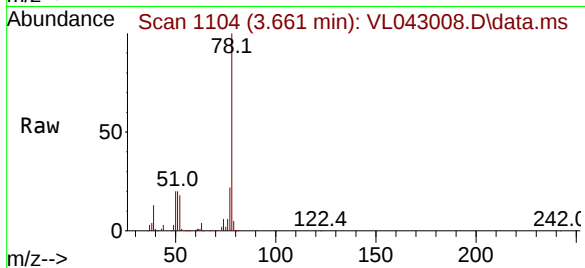
Tgt Ion: 78 Resp: 56690

Ion Ratio Lower Upper

78 100

77 21.6 17.8 26.6

50 19.8 15.0 22.4



#37

1,2-Dichloroethane

Concen: 0.046 ppbv

RT: 3.230 min Scan# 971

Delta R.T. 0.016 min

Lab File: VL043008.D

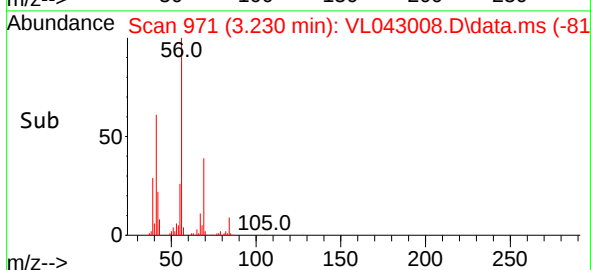
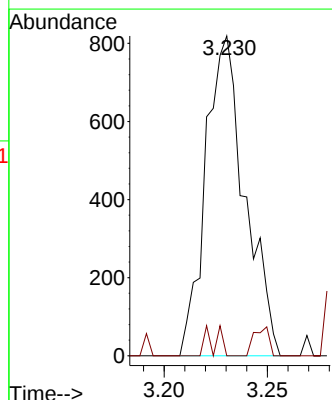
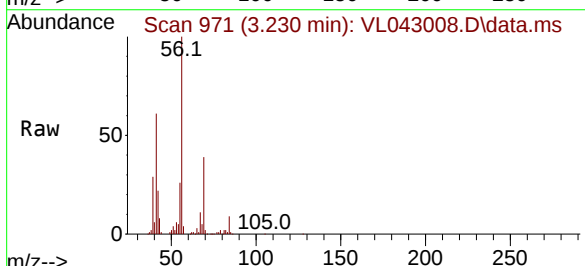
Acq: 24 Sep 2025 14:06

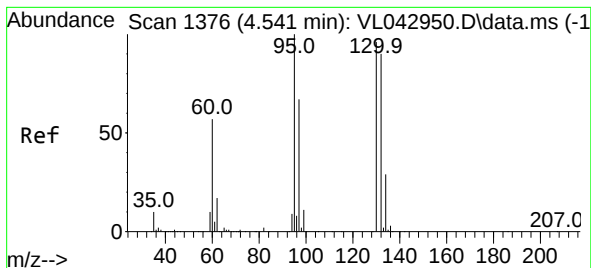
Tgt Ion: 62 Resp: 1085

Ion Ratio Lower Upper

62 100

98 6.2 5.9 8.9





#38

Trichloroethene

Concen: 0.767 ppbv

RT: 4.551 min Scan# 1197

Delta R.T. 0.010 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

SV2DUP

Tgt Ion:130 Resp: 17145

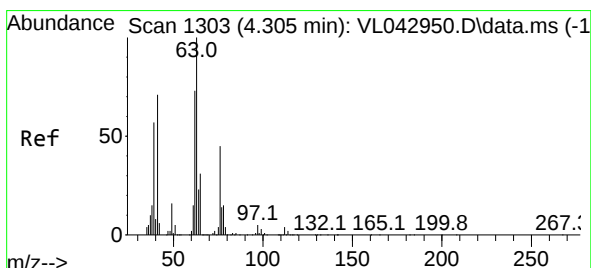
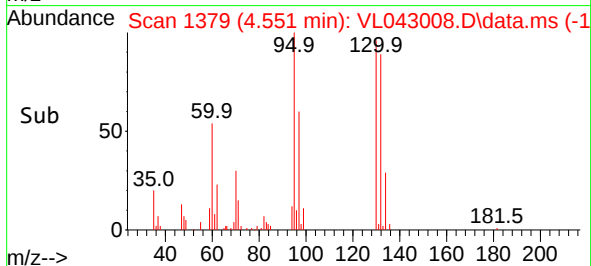
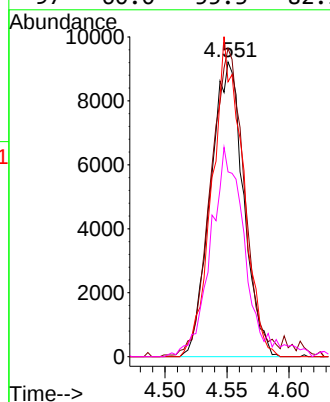
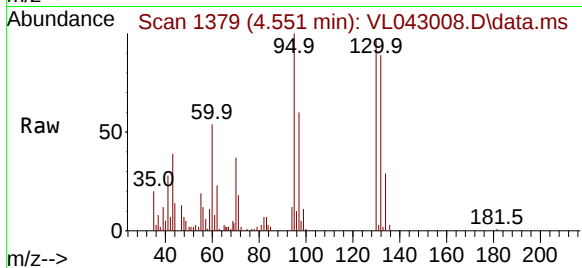
Ion Ratio Lower Upper

130 100

95 102.4 83.0 124.4

132 93.2 74.6 112.0

97 60.0 55.3 82.9



#39

1,2-Dichloropropane

Concen: 6.970 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.343 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

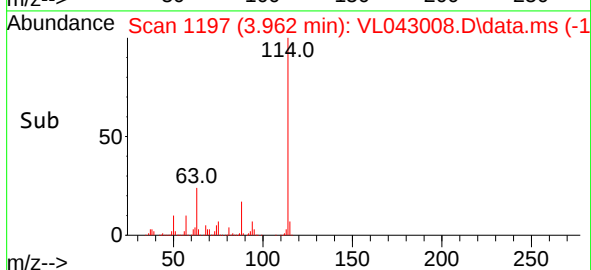
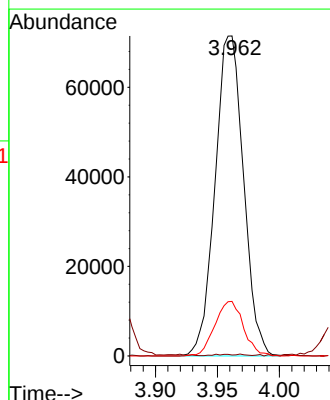
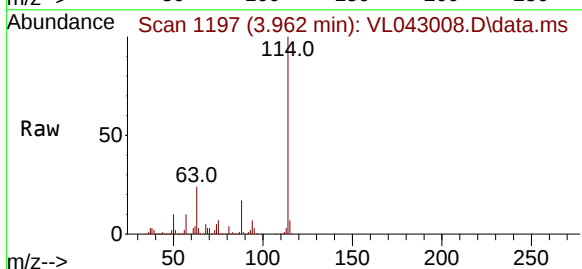
Tgt Ion: 63 Resp: 114503

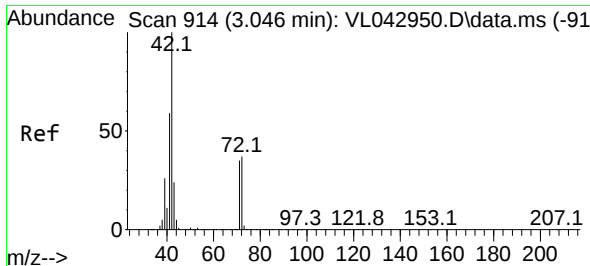
Ion Ratio Lower Upper

63 100

41 0.3 57.5 86.3#

62 17.1 58.5 87.7#

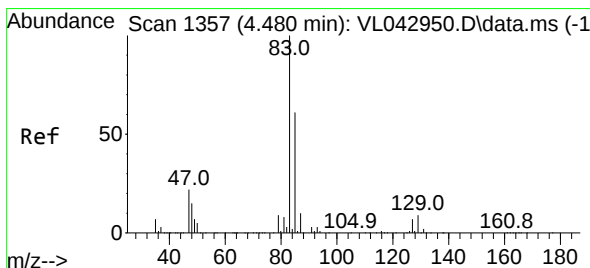
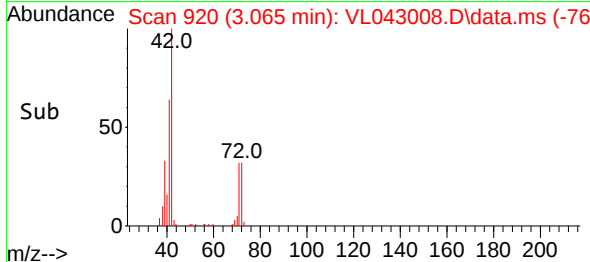
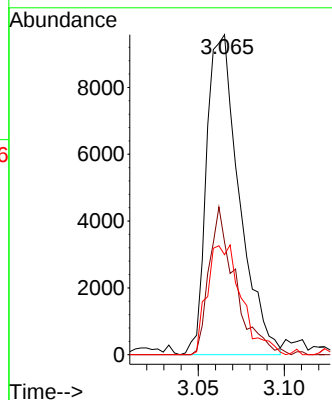
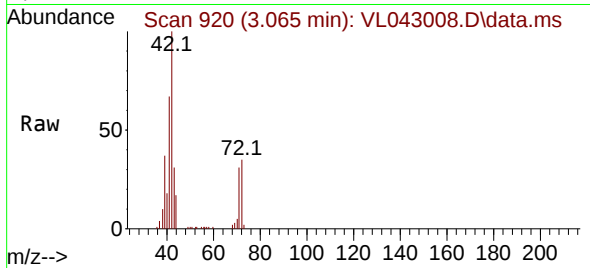




#41
Tetrahydrofuran
Concen: 0.655 ppbv
RT: 3.065 min Scan# 914
Delta R.T. 0.019 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

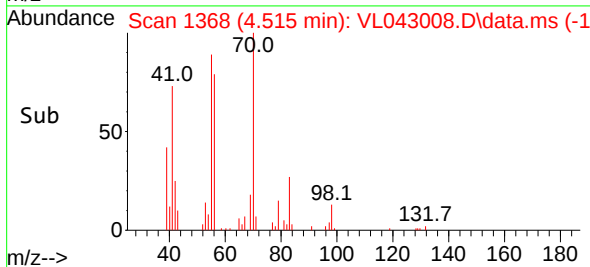
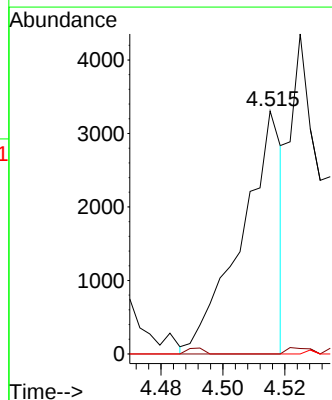
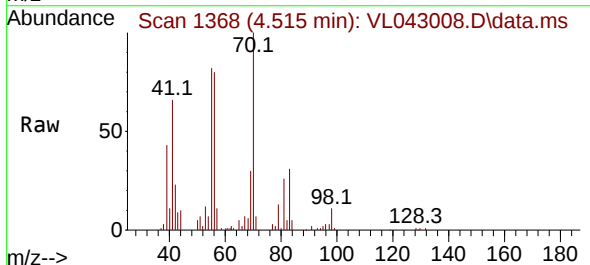
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

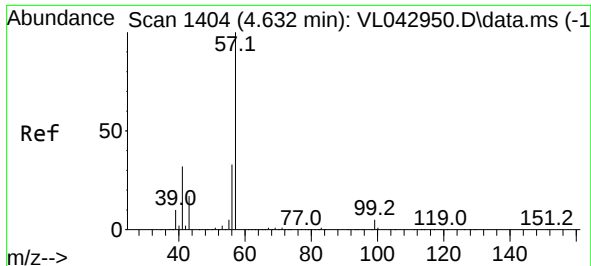
Tgt Ion:	42	Resp:	12642
Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.0	45.0
71	36.6	28.8	43.2



#42
Bromodichloromethane
Concen: 0.091 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.035 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion:	83	Resp:	2998
Ion	Ratio	Lower	Upper
83	100		
85	0.0	49.0	73.6#
127	0.0	5.3	7.9#

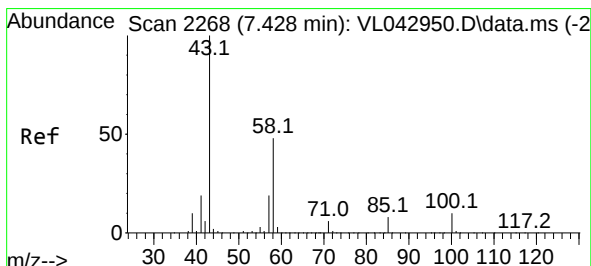
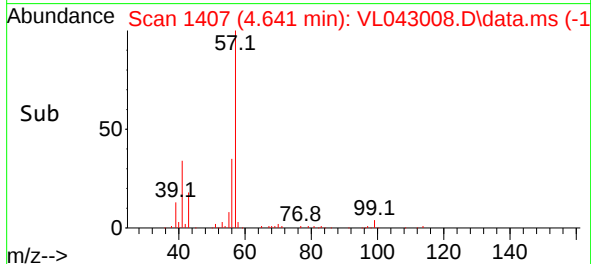
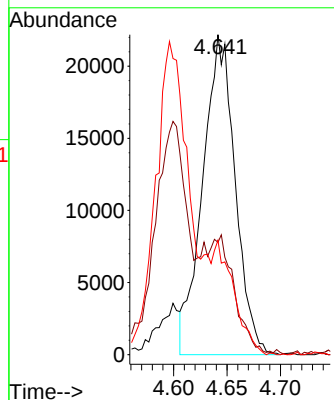
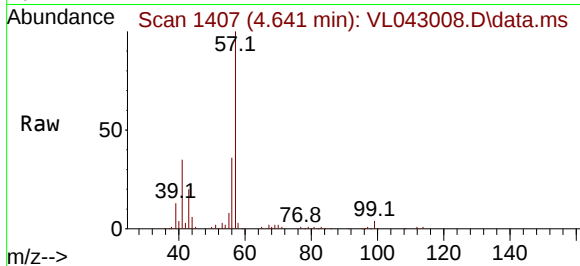




#44
2,2,4-Trimethylpentane
Concen: 0.603 ppbv
RT: 4.641 min Scan# 14
Delta R.T. 0.009 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

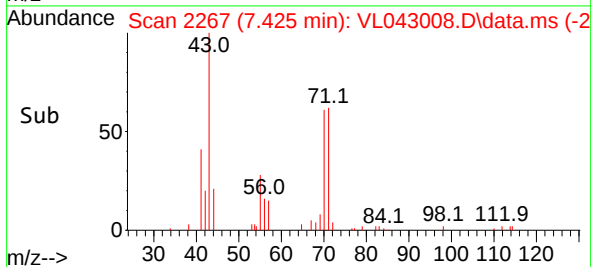
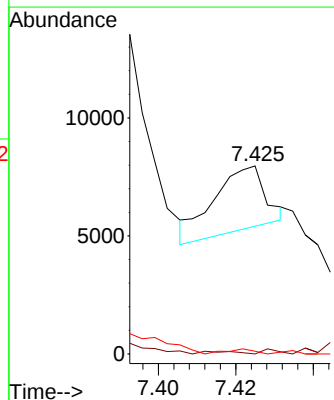
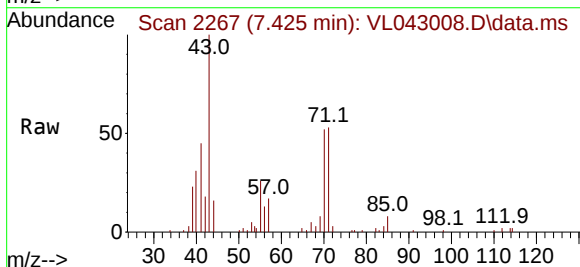
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

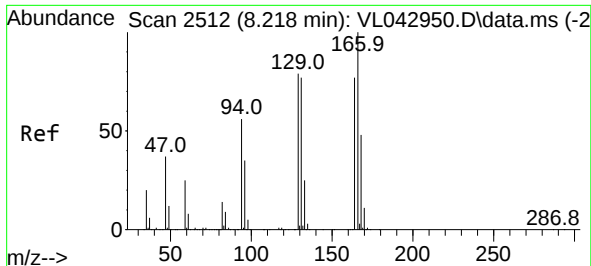
Tgt Ion: 57 Resp: 46849
Ion Ratio Lower Upper
57 100
41 0.0 25.5 38.3#
56 0.0 25.8 38.8#



#51
2-Hexanone
Concen: 0.071 ppbv
RT: 7.425 min Scan# 2267
Delta R.T. -0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 43 Resp: 2532
Ion Ratio Lower Upper
43 100
58 29.4 39.7 59.5#
98 0.0 0.1 0.1#

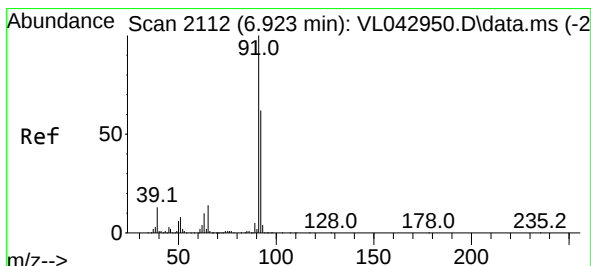
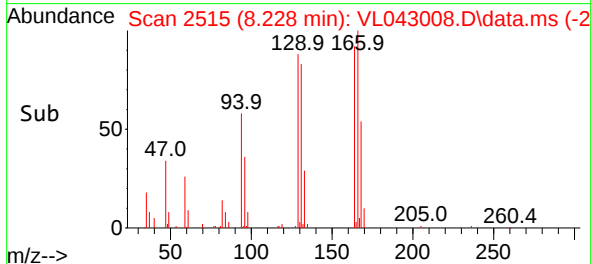
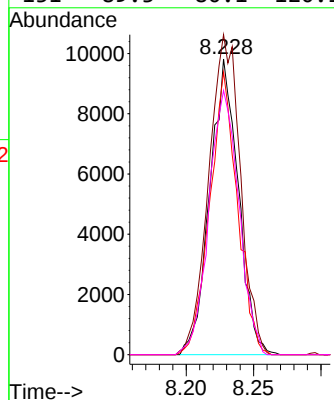
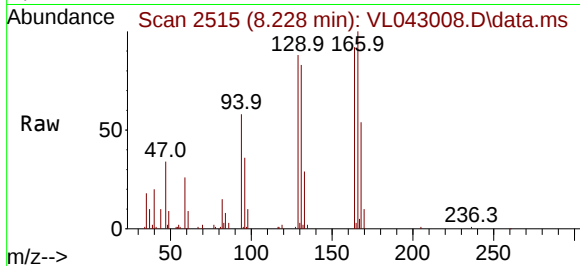




#52
Tetrachloroethene
Concen: 0.830 ppbv
RT: 8.228 min Scan# 2115
Delta R.T. 0.010 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

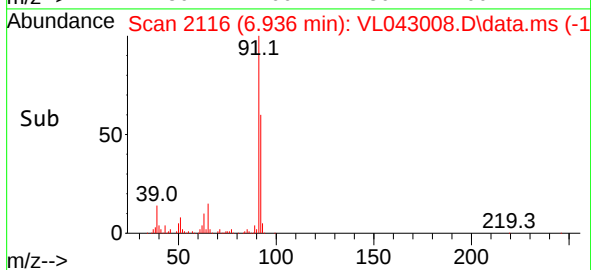
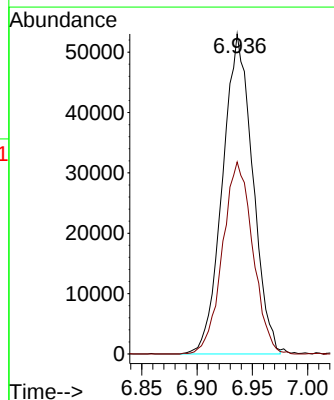
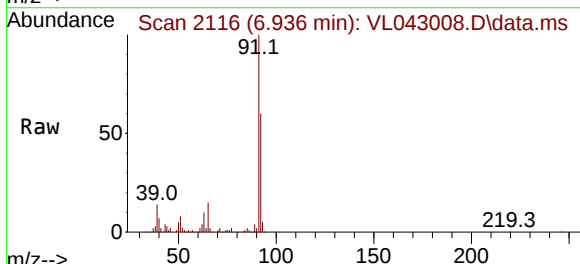
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

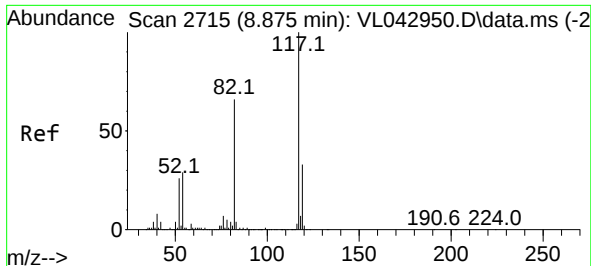
Tgt Ion:164 Resp: 14452
Ion Ratio Lower Upper
164 100
166 108.2 103.5 155.3
129 95.6 82.2 123.4
131 89.3 80.1 120.1



#53
Toluene
Concen: 1.884 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.013 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 91 Resp: 100347
Ion Ratio Lower Upper
91 100
92 60.3 48.2 72.2

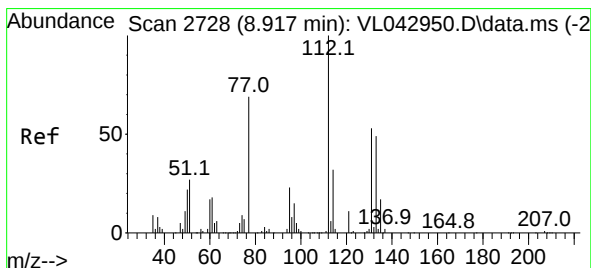
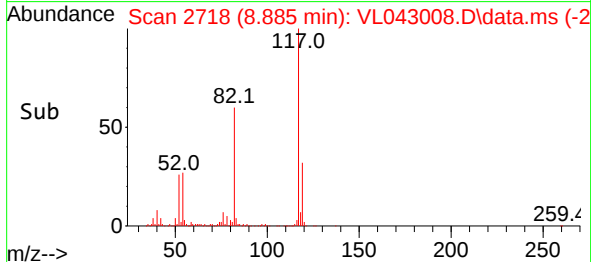
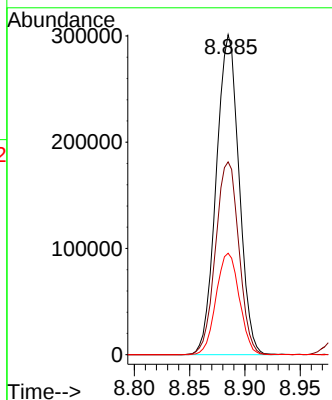
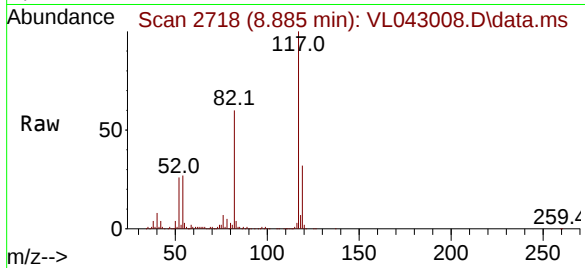




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2713
Delta R.T. 0.009 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

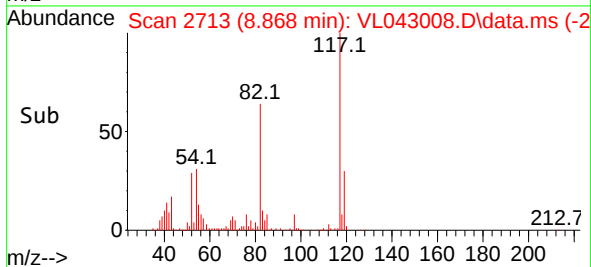
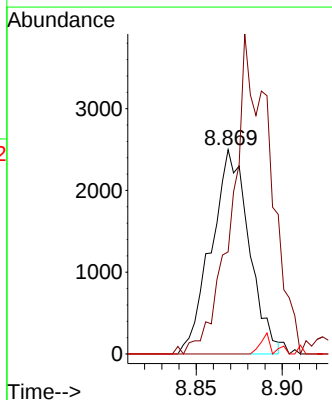
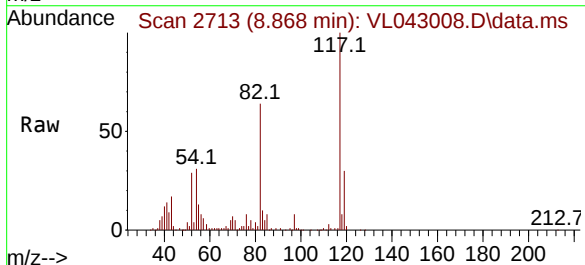
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

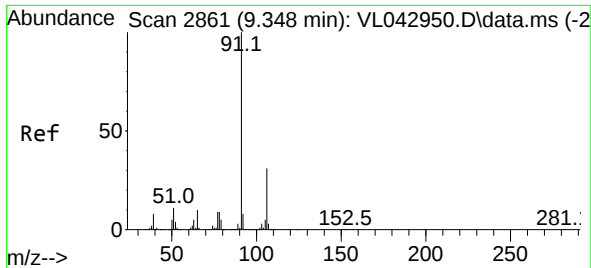
Tgt Ion:117 Resp: 432263
Ion Ratio Lower Upper
117 100
82 61.7 52.8 79.2
119 32.3 26.5 39.7



#57
Chlorobenzene
Concen: 0.097 ppbv
RT: 8.868 min Scan# 2713
Delta R.T. -0.049 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion:112 Resp: 3825
Ion Ratio Lower Upper
112 100
77 46.3 55.7 83.5#
114 0.0 28.6 35.0#

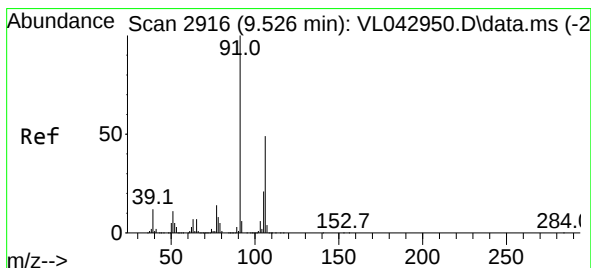
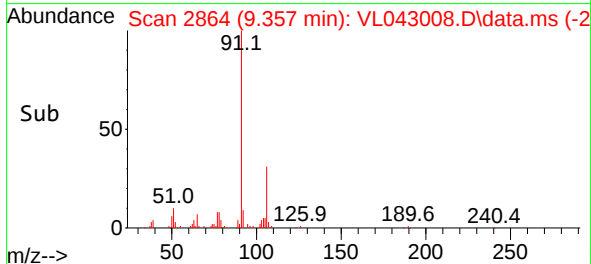
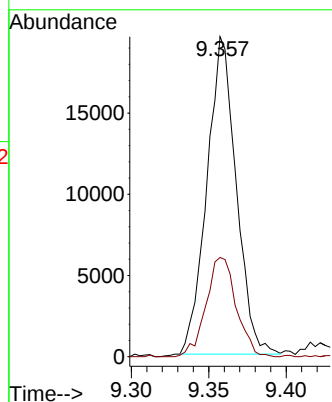
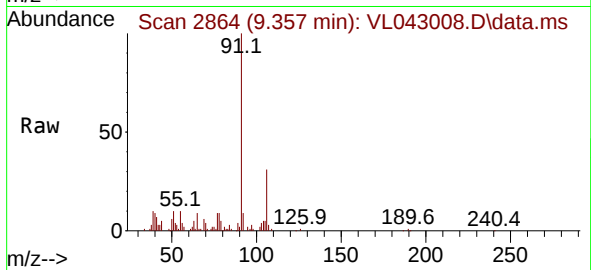




#58
Ethyl Benzene
Concen: 0.363 ppbv
RT: 9.357 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

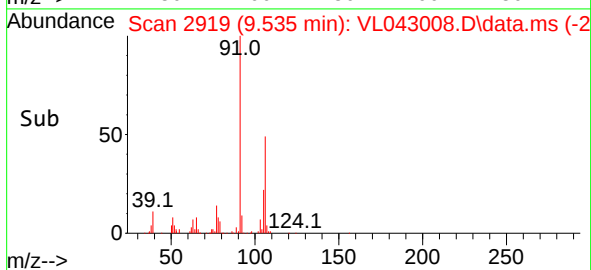
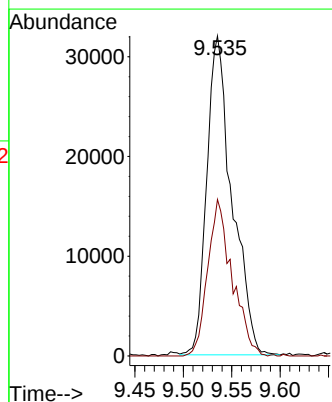
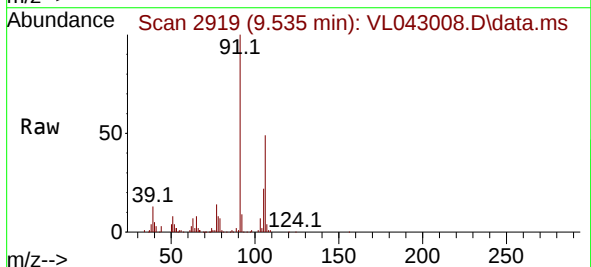
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

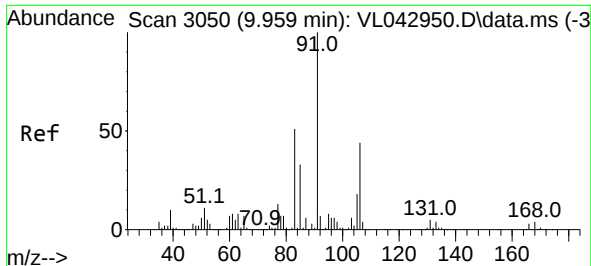
Tgt Ion: 91 Resp: 25737
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0



#59
m/p-Xylene
Concen: 1.038 ppbv
RT: 9.535 min Scan# 2919
Delta R.T. 0.009 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 91 Resp: 58092
Ion Ratio Lower Upper
91 100
106 47.6 0.0 0.0#

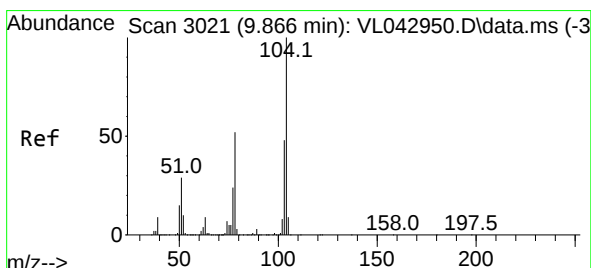
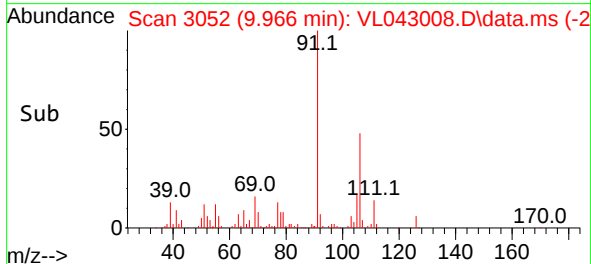
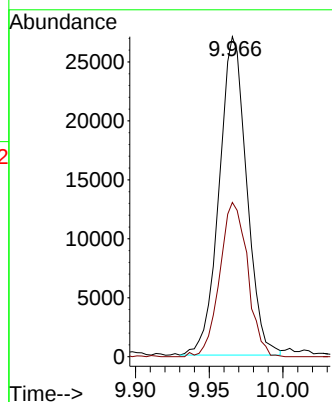
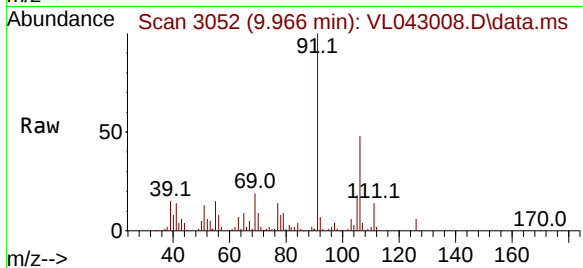




#60
o-Xylene
Concen: 0.627 ppbv
RT: 9.966 min Scan# 3050
Delta R.T. 0.006 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

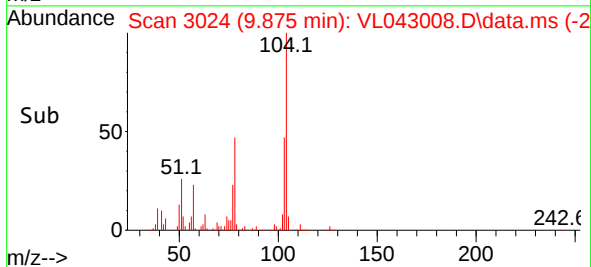
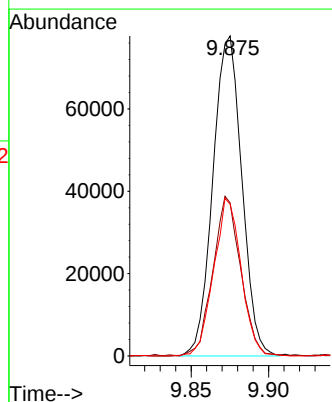
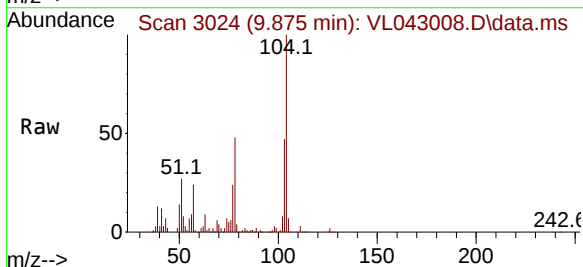
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

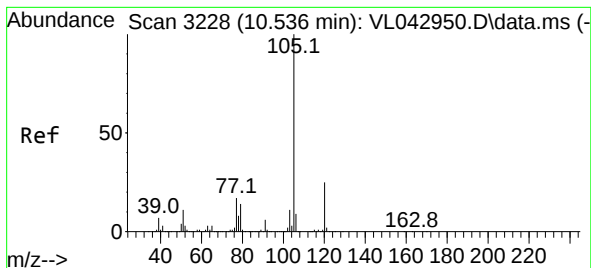
Tgt Ion: 91 Resp: 35078
Ion Ratio Lower Upper
91 100
106 49.0 22.4 67.0



#61
Styrene
Concen: 3.815 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.009 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 104 Resp: 100933
Ion Ratio Lower Upper
104 100
78 48.3 39.9 59.9
103 46.8 36.9 55.3





#62

Isopropylbenzene

Concen: 0.092 ppbv

RT: 10.539 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

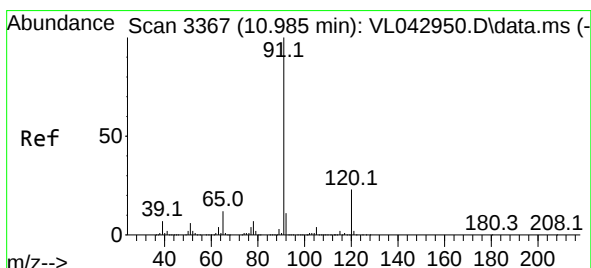
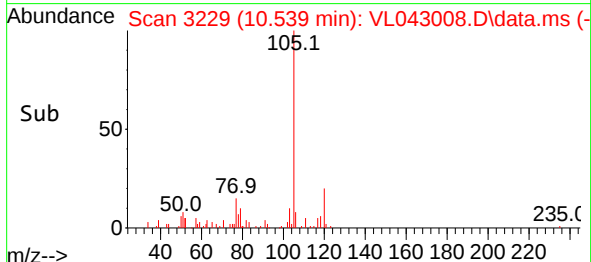
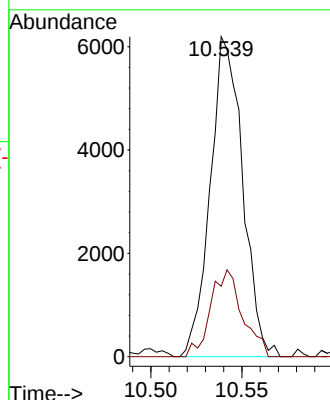
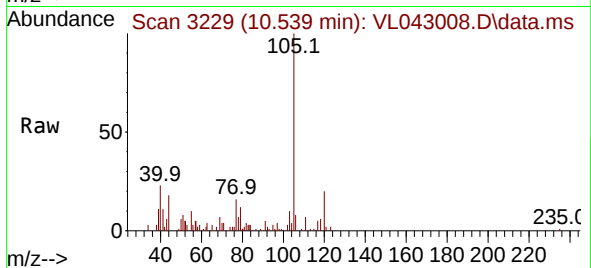
SV2DUP

Tgt Ion:105 Resp: 7642

Ion Ratio Lower Upper

105 100

120 26.7 20.6 30.8



#64

n-propylbenzene

Concen: 0.090 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.006 min

Lab File: VL043008.D

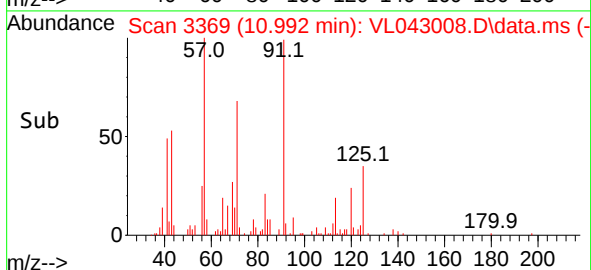
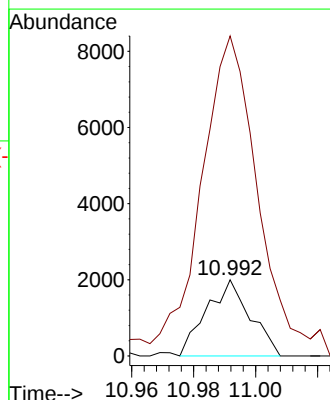
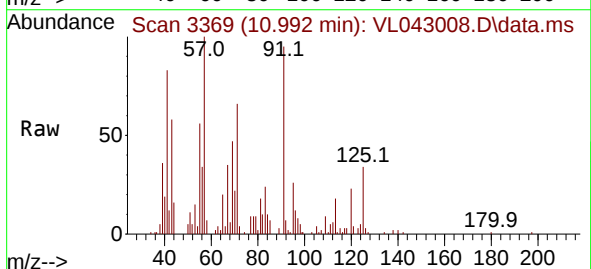
Acq: 24 Sep 2025 14:06

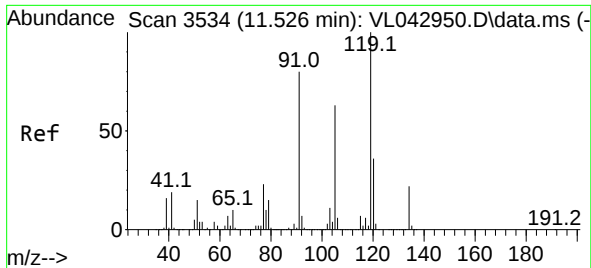
Tgt Ion:120 Resp: 1955

Ion Ratio Lower Upper

120 100

91 492.8 364.9 547.3

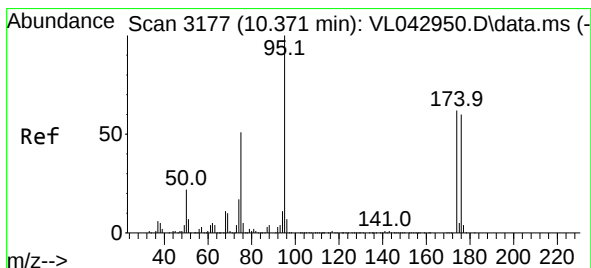
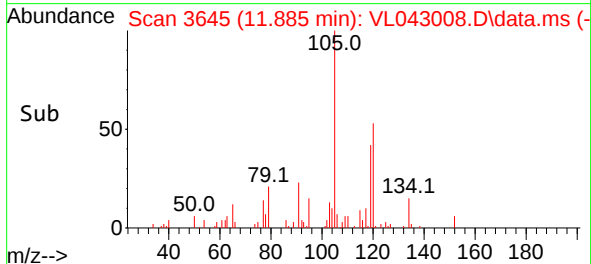
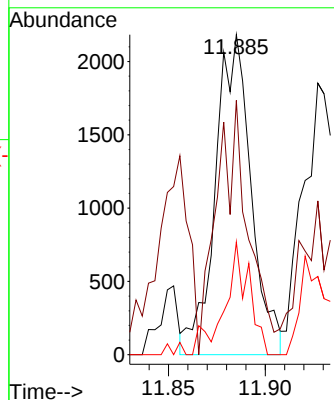
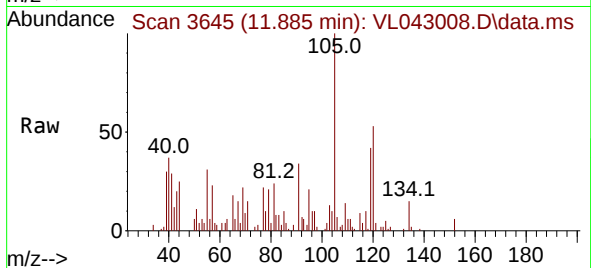




#65
tert-Butylbenzene
Concen: 0.038 ppbv
RT: 11.885 min Scan# 3179
Delta R.T. 0.359 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

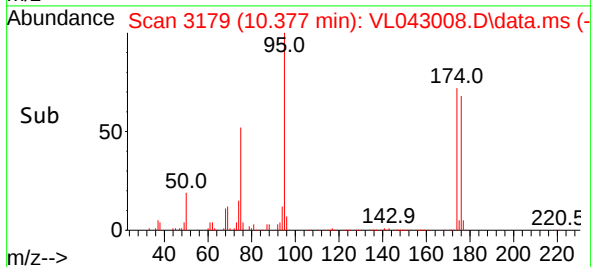
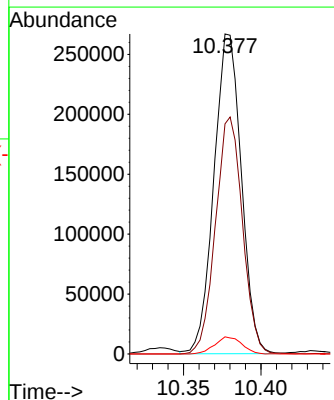
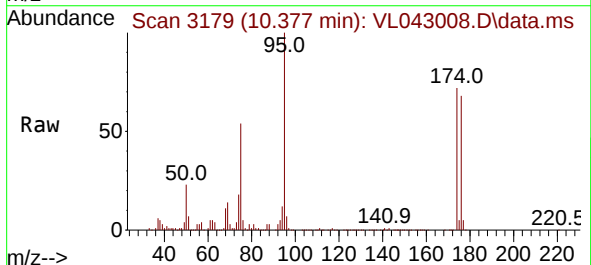
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

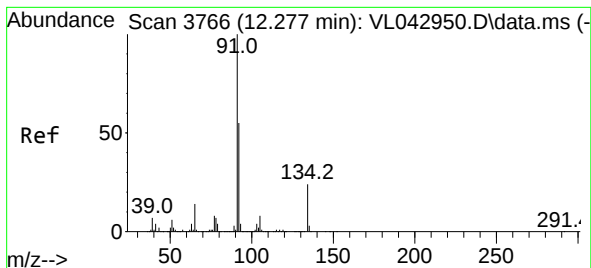
Tgt Ion:119 Resp: 2799
Ion Ratio Lower Upper
119 100
91 89.9 63.1 94.7
134 24.9 17.0 25.6



#68
1-Bromo-4-Fluorobenzene
Concen: 10.173 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 95 Resp: 328265
Ion Ratio Lower Upper
95 100
174 73.0 51.4 77.2
175 5.3 4.0 6.0

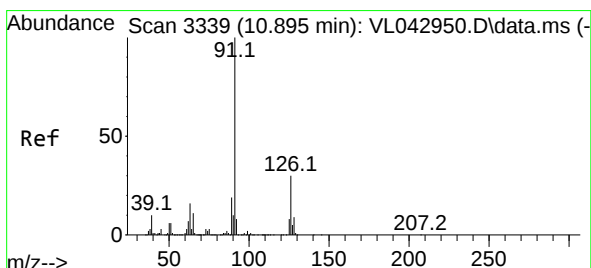
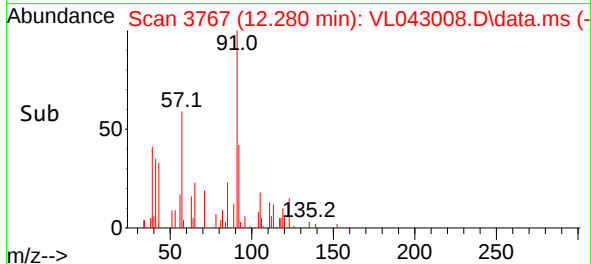
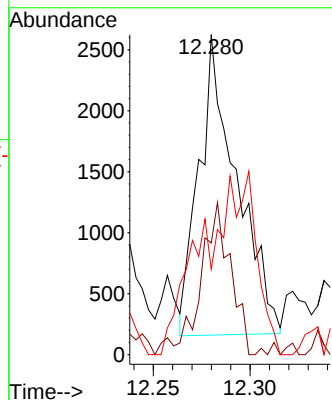
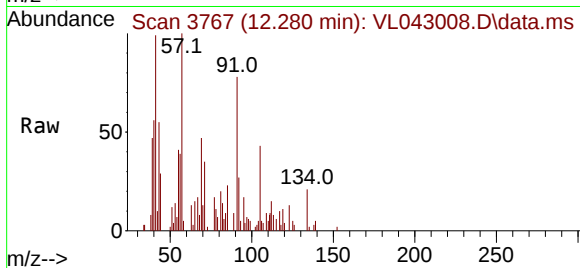




#70
n-Butylbenzene
Concen: 0.039 ppbv
RT: 12.280 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

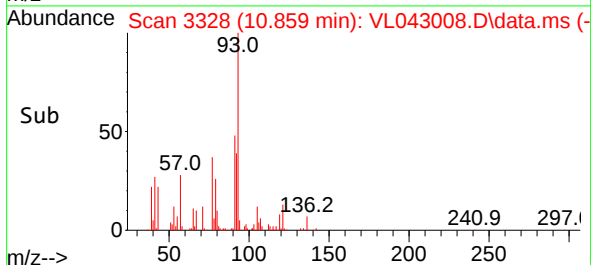
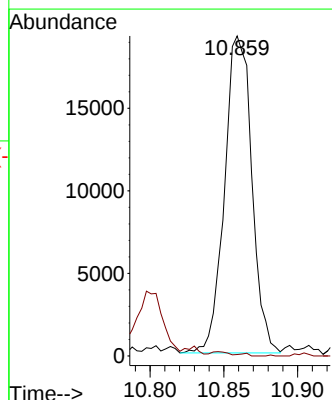
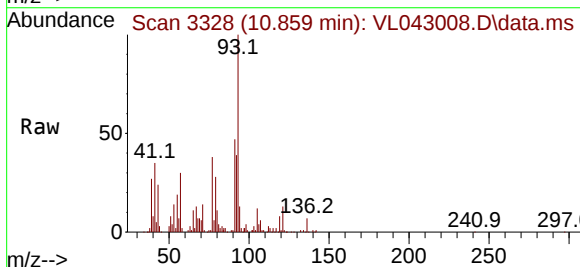
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

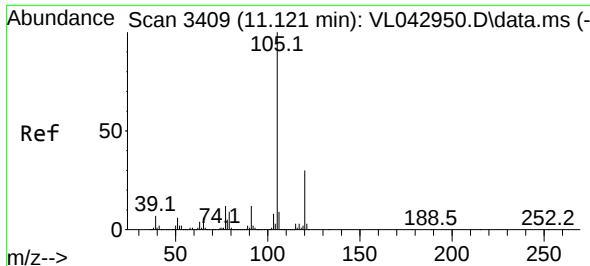
Tgt Ion: 91 Resp: 3335
Ion Ratio Lower Upper
91 100
92 43.4 44.0 66.0#
134 85.8 19.4 29.2#



#71
2-Chlorotoluene
Concen: 0.393 ppbv
RT: 10.859 min Scan# 3328
Delta R.T. -0.036 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion: 91 Resp: 24746
Ion Ratio Lower Upper
91 100
126 27.1 12.3 49.3

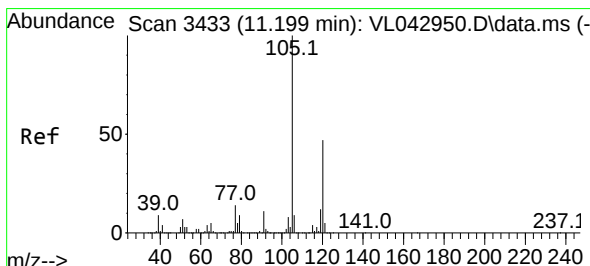
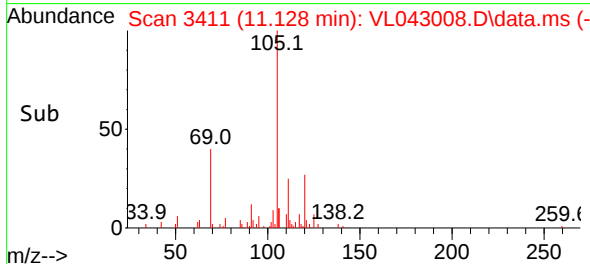
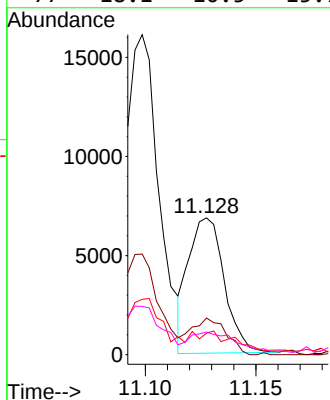
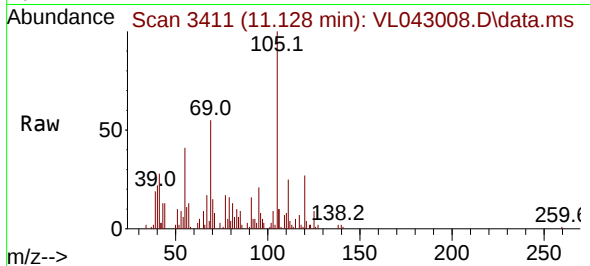




#72
4-Ethyltoluene
Concen: 0.110 ppbv
RT: 11.128 min Scan# 3409
Delta R.T. 0.006 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

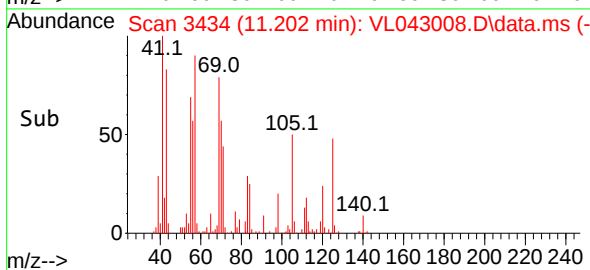
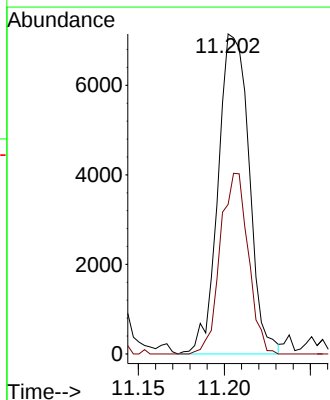
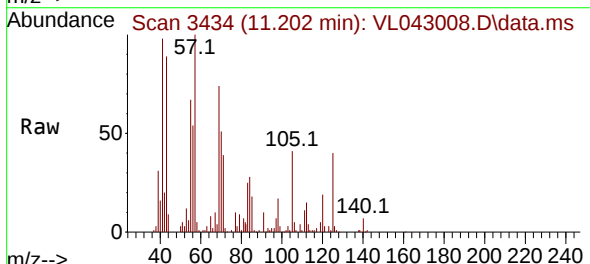
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

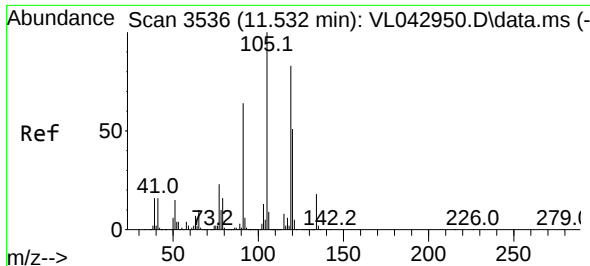
Tgt Ion:105	Resp:	7681
Ion Ratio	Lower	Upper
105	100	
120	0.0	24.2 36.2#
91	0.0	10.0 15.0#
77	18.1	10.5 15.7#



#73
1,3,5-Trimethylbenzene
Concen: 0.158 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. 0.003 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion:105	Resp:	8960
Ion Ratio	Lower	Upper
105	100	
120	46.8	38.0 57.0

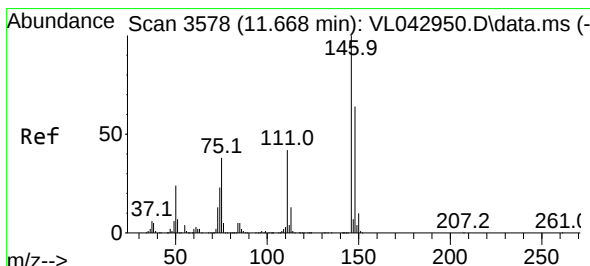
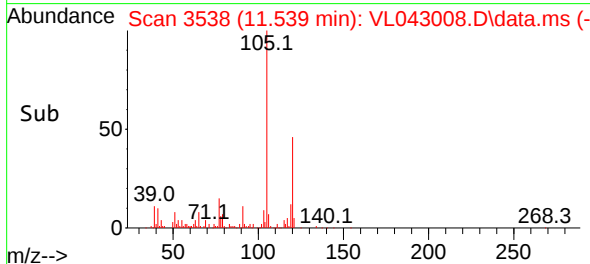
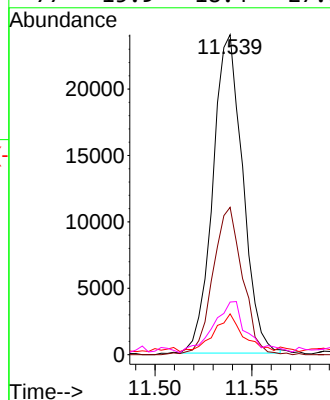
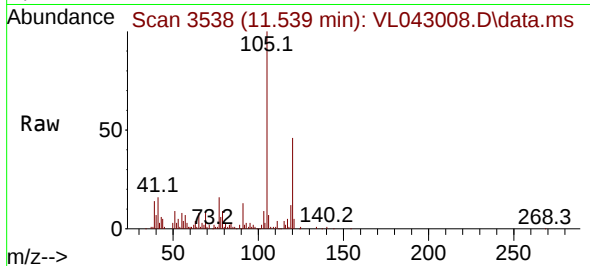




#74
1,2,4-Trimethylbenzene
Concen: 0.411 ppbv
RT: 11.539 min Scan# 3536
Delta R.T. 0.006 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

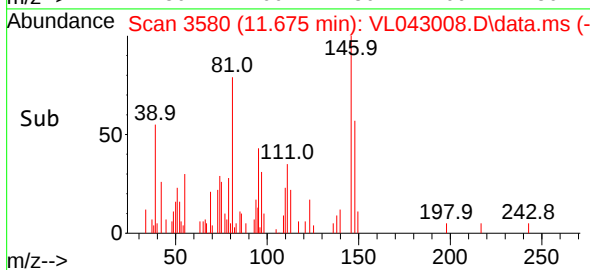
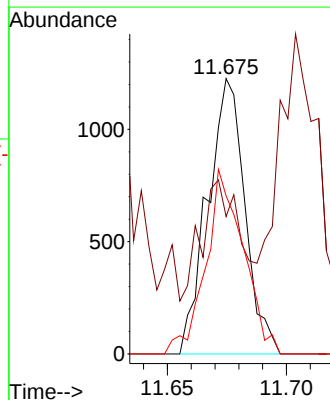
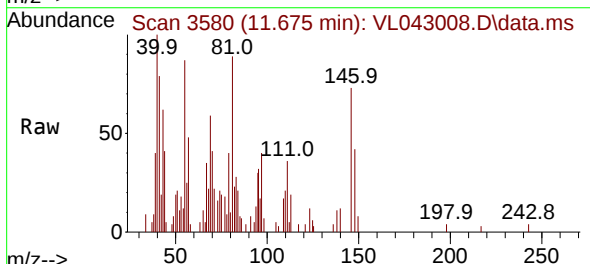
Instrument :
MSVOA_L
ClientSampleId :
SV2DUP

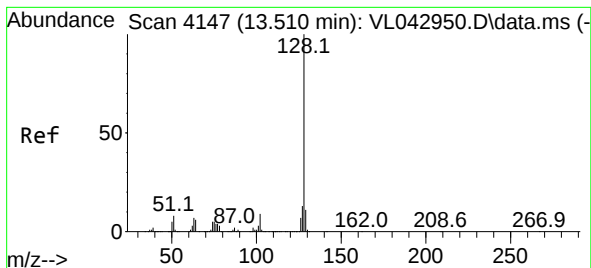
Tgt Ion:	105	Resp:	25760
Ion Ratio	Lower	Upper	
105	100		
120	45.9	40.9	61.3
91	11.8	51.2	76.8#
77	15.9	18.4	27.6#



#76
1,4-Dichlorobenzene
Concen: 0.035 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.006 min
Lab File: VL043008.D
Acq: 24 Sep 2025 14:06

Tgt Ion:	146	Resp:	1336
Ion Ratio	Lower	Upper	
146	100		
111	217.5	21.5	64.5#
148	67.6	31.9	95.5





#79

Naphthalene

Concen: 0.210 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

Instrument :

MSVOA_L

ClientSampleId :

SV2DUP

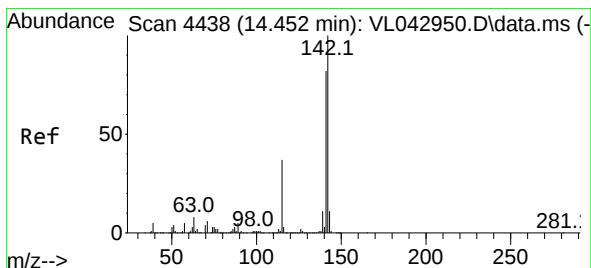
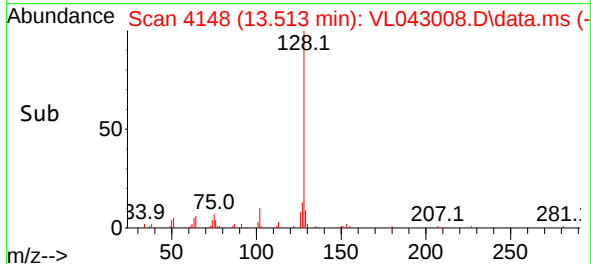
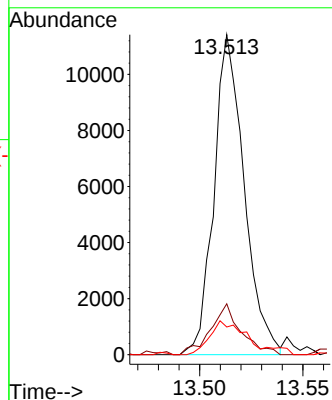
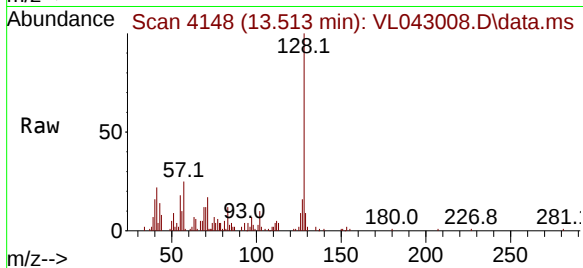
Tgt Ion:128 Resp: 11623

Ion Ratio Lower Upper

128 100

127 15.9 10.6 15.8#

129 8.6 9.0 13.6#



#80

Naphthalene,2-methyl-

Concen: 0.389 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.006 min

Lab File: VL043008.D

Acq: 24 Sep 2025 14:06

Tgt Ion:142 Resp: 6671

Ion Ratio Lower Upper

142 100

141 88.7 65.1 97.7

115 44.8 28.9 43.3#

