

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042694.D
 Acq On : 02 Jul 2025 11:06
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Jul 03 01:29:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:24:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	116450	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	283981	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	249164	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	183435	9.571	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	421	0.035	ppbv #	42
3) Chlorodifluoromethane	1.483	51	675	0.037	ppbv	99
4) Chloromethane	1.538	50	265	0.055	ppbv #	56
5) Vinyl Chloride	1.583	62	199	0.041	ppbv #	70
6) Bromomethane	1.677	94	76	0.035	ppbv	85
7) Chloroethane	1.586	64	43	0.023	ppbv #	44
8) Dichlorotetrafluoroethane	1.557	85	393	0.039	ppbv #	73
9) Propene	1.644	41	94	0.014	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.146	101	269	0.026	ppbv #	14
13) Ethanol	1.894	45	514	0.793	ppbv #	37
14) Bromoethene	1.787	108	183	0.052	ppbv #	64
15) Acetone	1.842	43	1144	0.099	ppbv	93
16) 1,3-Butadiene	1.615	39	211	0.040	ppbv	95
17) tert-Butyl alcohol	2.049	59	564	0.050	ppbv #	85
18) 1,1-Dichloroethene	2.046	96	51	0.011	ppbv	86
19) Isopropyl Alcohol	1.894	45	514	0.077	ppbv #	1
20) Methylene Chloride	2.068	84	933	0.211	ppbv #	81
21) Allyl Chloride	2.107	41	437	0.054	ppbv #	49
22) trans-1,2-Dichloroethene	2.350	96	254	0.052	ppbv #	38
23) Vinyl Acetate	2.467	43	737	0.039	ppbv #	20
24) 1,1-Dichloroethane	2.418	63	341	0.034	ppbv #	87
25) Ethyl Acetate	2.848	43	553	0.016	ppbv #	77
26) Hexane	2.832	57	147	0.010	ppbv #	1
27) Carbon Disulfide	2.156	76	376	0.032	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	237	0.040	ppbv #	51
29) Chloroform	2.855	83	881	0.040	ppbv	84
31) cis-1,2-Dichloroethene	2.732	61	321	0.023	ppbv #	66
32) 1,1,1-Trichloroethane	3.382	97	578	0.027	ppbv #	75
34) 2-Butanone	2.577	43	1213	0.054	ppbv #	82
35) Carbon Tetrachloride	3.777	117	607	0.031	ppbv #	60
36) Benzene	3.674	78	955	0.033	ppbv #	79
37) 1,2-Dichloroethane	3.227	62	339	0.022	ppbv #	79
38) Trichloroethene	4.561	130	175	0.014	ppbv #	33
39) 1,2-Dichloropropane	3.975	63	72725	6.512	ppbv #	23
45) t-1,3-Dichloropropene	6.425	75	158	0.016	ppbv #	43
47) 1,1,2-Trichloroethane	6.596	97	186	0.017	ppbv #	42
48) Dibromochloromethane	7.399	129	451	0.027	ppbv	85
52) Tetrachloroethene	8.241	164	220	0.023	ppbv #	31
53) Toluene	6.949	91	286	0.011	ppbv #	3
54) 1,2-Dibromoethane	7.668	107	312	0.020	ppbv #	39
56) 1,1,1,2-Tetrachloroethane	8.946	131	159	0.012	ppbv #	1
57) Chlorobenzene	8.933	112	352	0.014	ppbv #	1
59) m/p-Xylene	9.548	91	438	0.015	ppbv #	30

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
Data File : VL042694.D
Acq On : 02 Jul 2025 11:06
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jul 03 01:29:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 03 01:24:10 2025
Response via : Initial Calibration

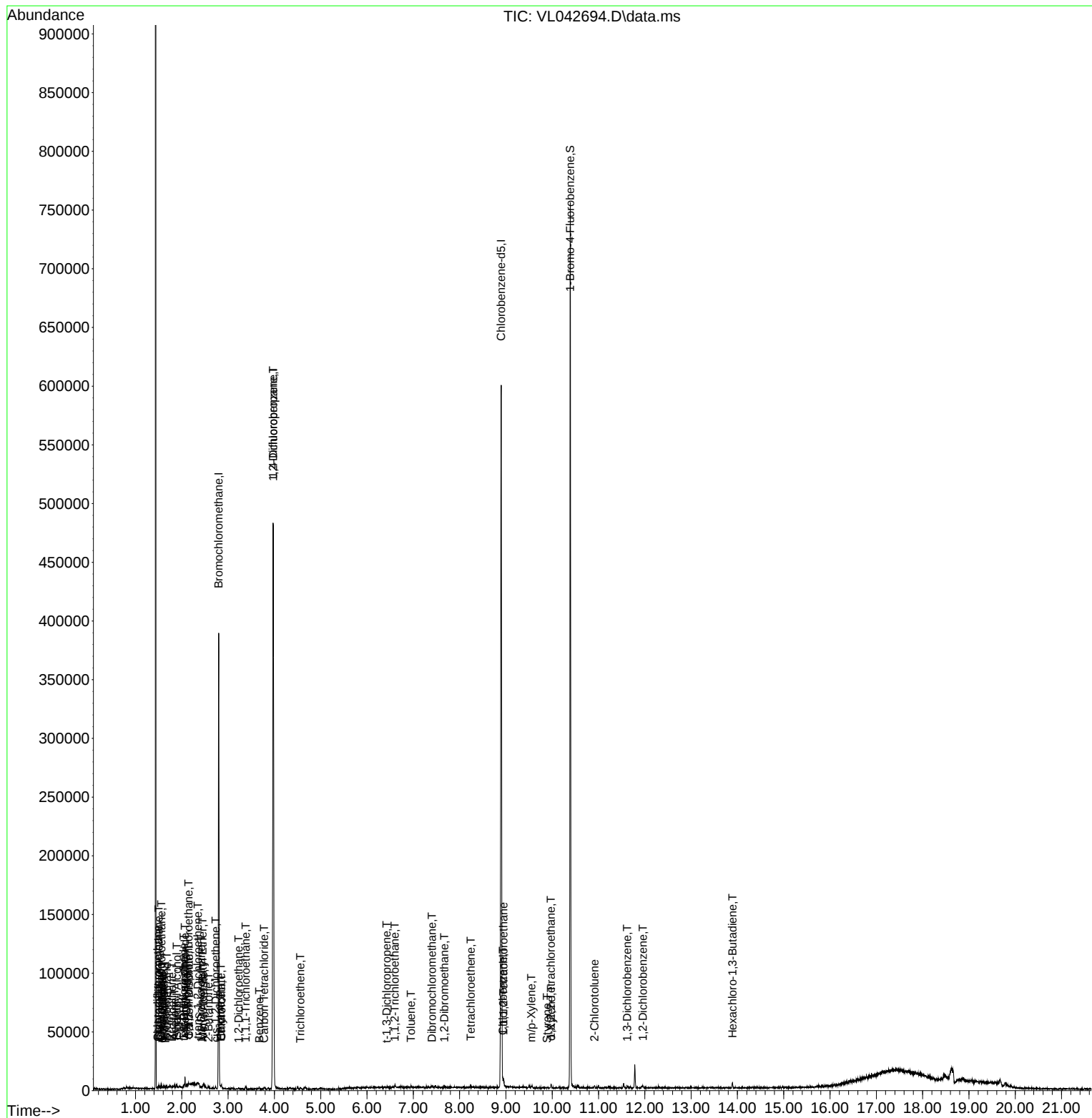
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
60) o-Xylene	9.976	91	320	0.011	ppbv	#	49
61) Styrene	9.888	104	157	0.013	ppbv	#	80
63) 1,1,2,2-Tetrachloroethane	9.972	83	389	0.017	ppbv	#	17
71) 2-Chlorotoluene	10.911	91	592	0.018	ppbv		90
75) 1,3-Dichlorobenzene	11.620	146	582	0.024	ppbv		82
77) 1,2-Dichlorobenzene	11.956	146	325	0.013	ppbv		81
78) Hexachloro-1,3-Butadiene	13.892	225	531	0.028	ppbv	#	82

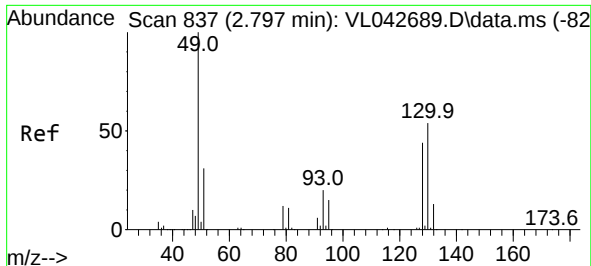
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
Data File : VL042694.D
Acq On : 02 Jul 2025 11:06
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jul 03 01:29:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 03 01:24:10 2025
Response via : Initial Calibration

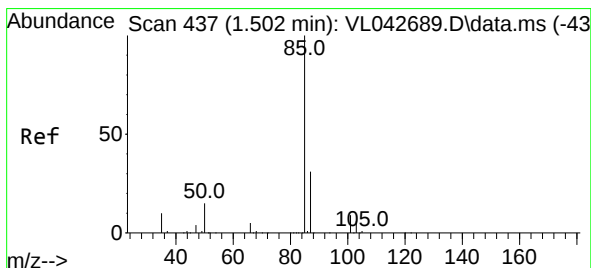
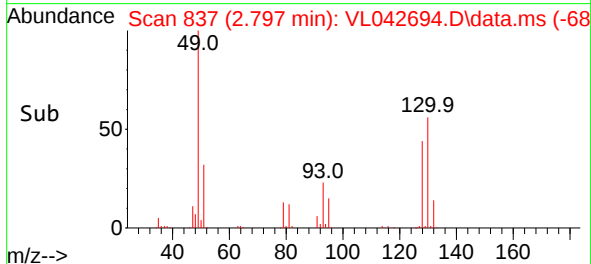
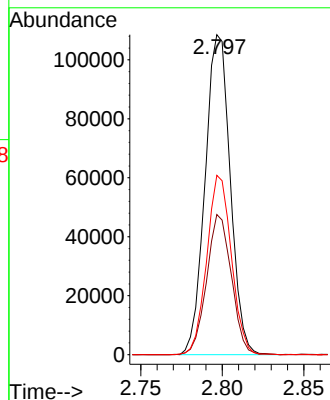
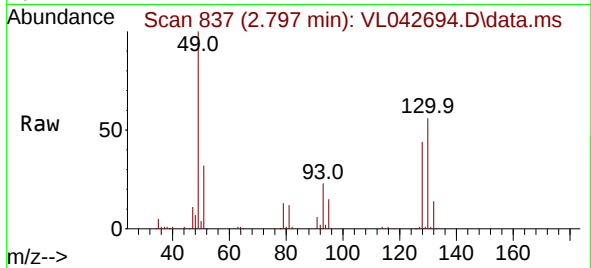




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 837
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

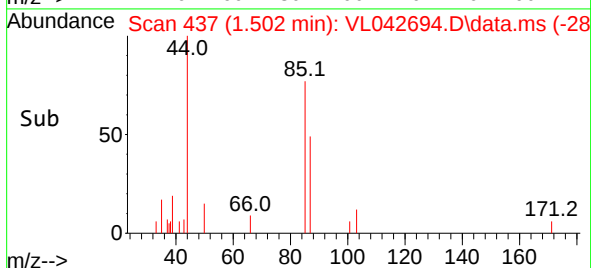
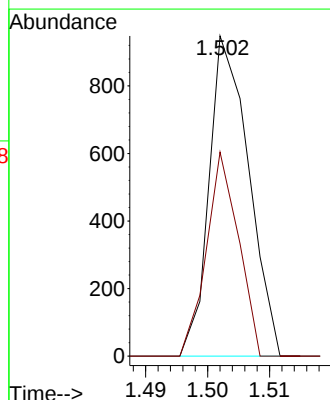
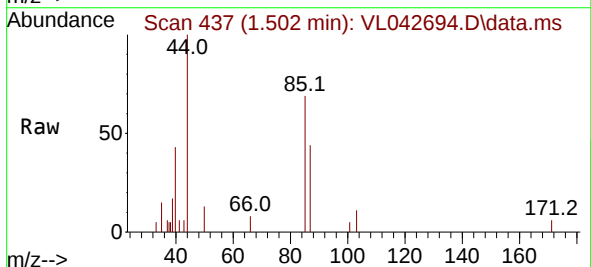
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

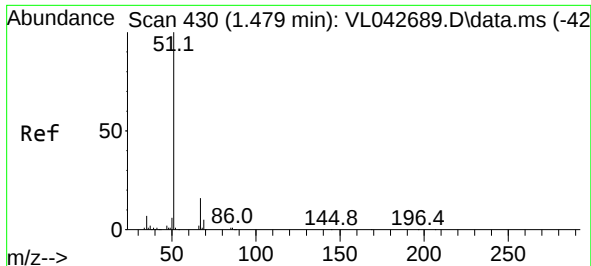
Tgt Ion: 49 Resp: 116450
Ion Ratio Lower Upper
49 100
128 43.0 21.4 64.2
130 54.9 28.0 84.0



#2
Dichlorodifluoromethane
Concen: 0.035 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 85 Resp: 421
Ion Ratio Lower Upper
85 100
87 63.7 25.1 37.7#

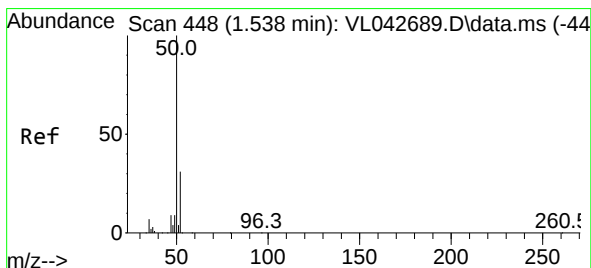
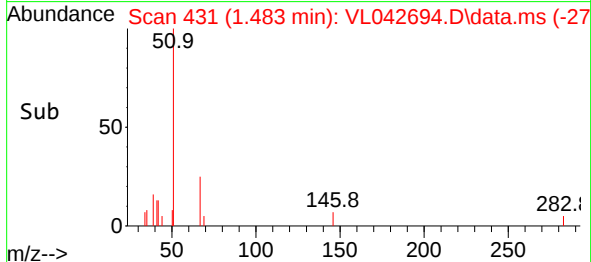
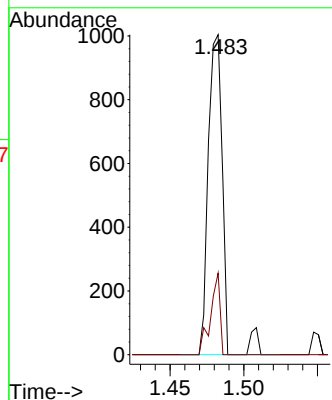
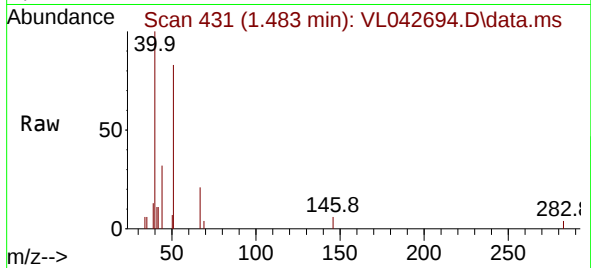




#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

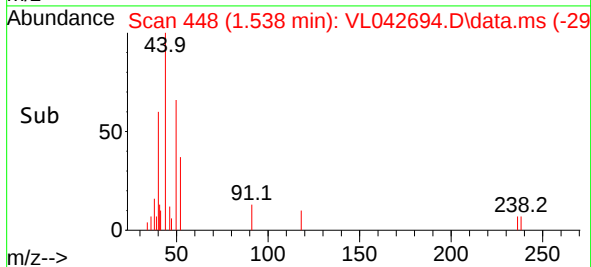
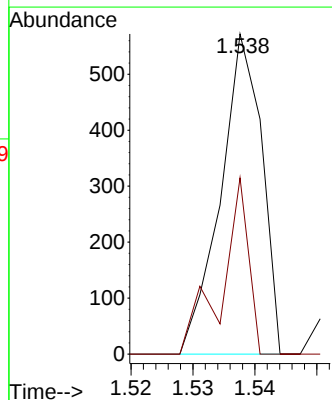
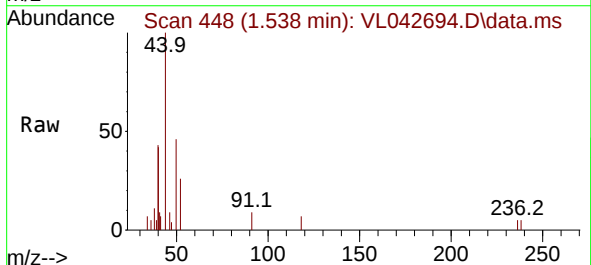
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

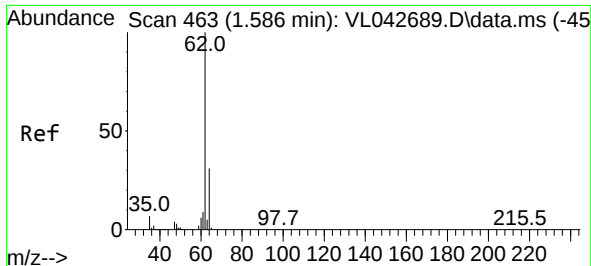
Tgt Ion: 51 Resp: 675
Ion Ratio Lower Upper
51 100
67 16.7 13.1 19.7



#4
Chloromethane
Concen: 0.055 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 50 Resp: 265
Ion Ratio Lower Upper
50 100
52 55.1 24.8 37.2#

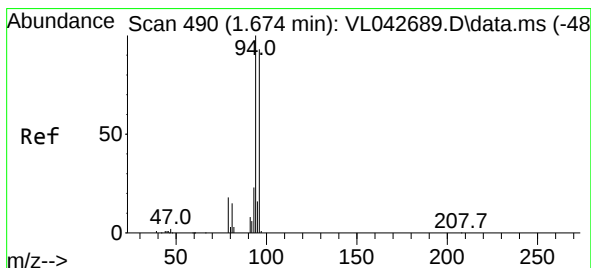
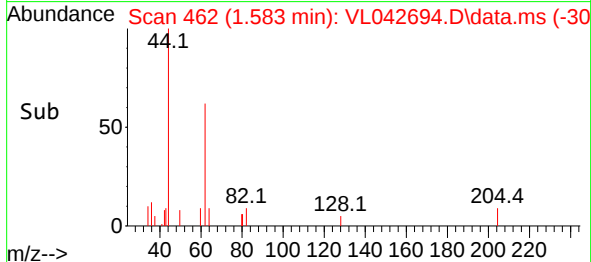
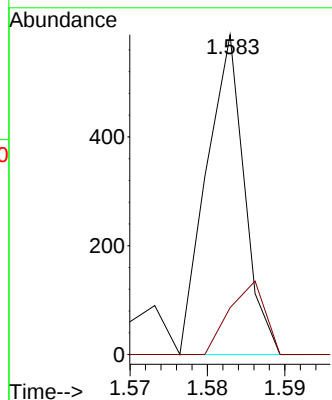
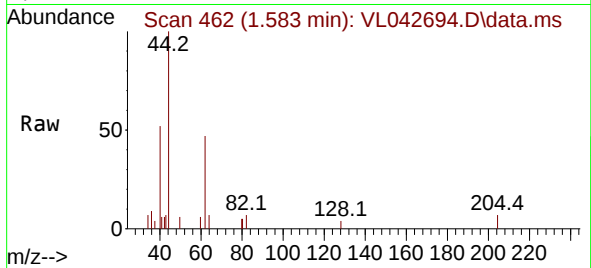




#5
 Vinyl Chloride
 Concen: 0.041 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VL042694.D
 Acq: 02 Jul 2025 11:06

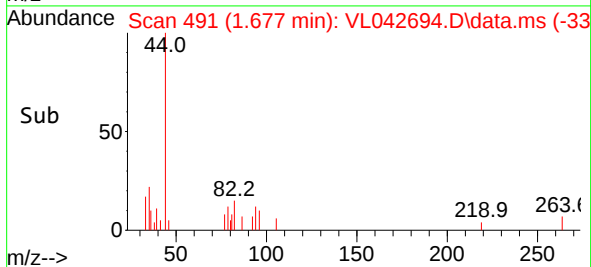
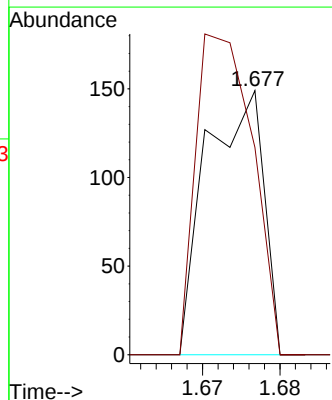
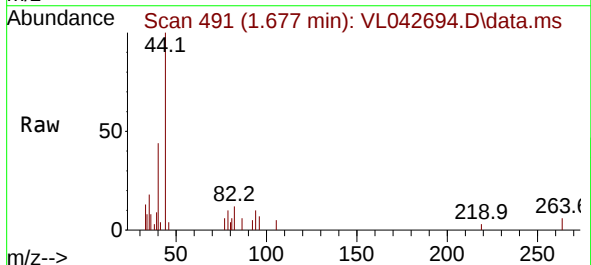
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

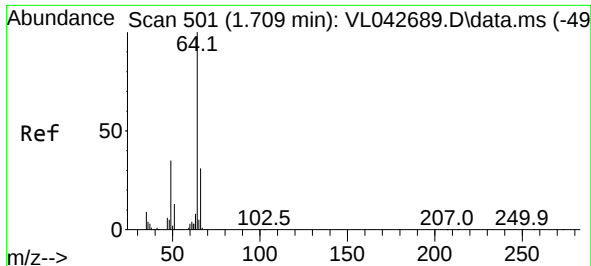
Tgt Ion: 62 Resp: 199
 Ion Ratio Lower Upper
 62 100
 64 14.6 25.1 37.7#



#6
 Bromomethane
 Concen: 0.035 ppbv
 RT: 1.677 min Scan# 491
 Delta R.T. 0.003 min
 Lab File: VL042694.D
 Acq: 02 Jul 2025 11:06

Tgt Ion: 94 Resp: 76
 Ion Ratio Lower Upper
 94 100
 96 78.5 74.6 112.0

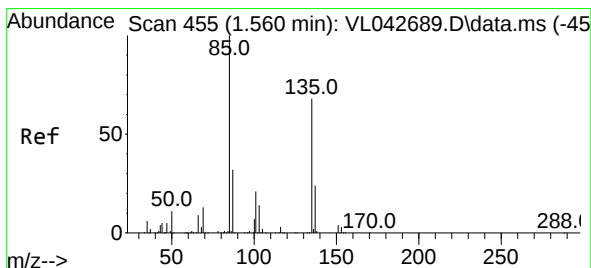
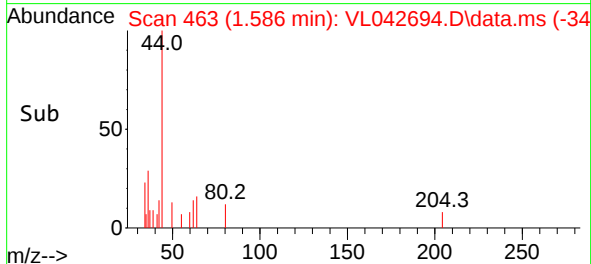
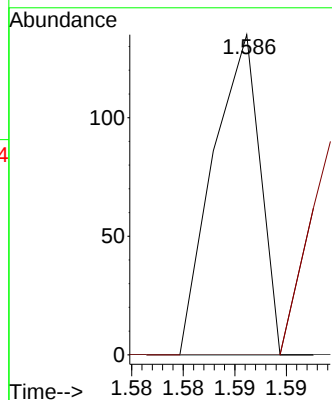
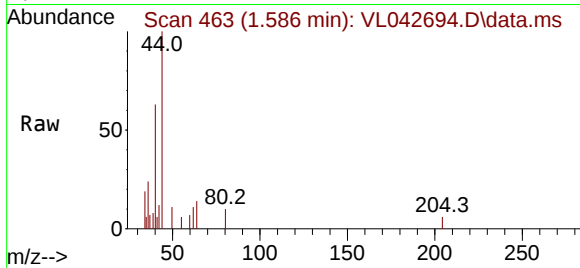




#7
Chloroethane
Concen: 0.023 ppbv
RT: 1.586 min Scan# 41
Delta R.T. -0.123 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

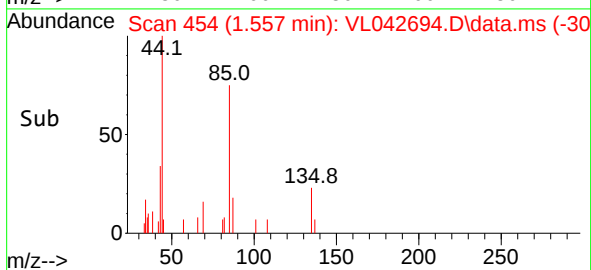
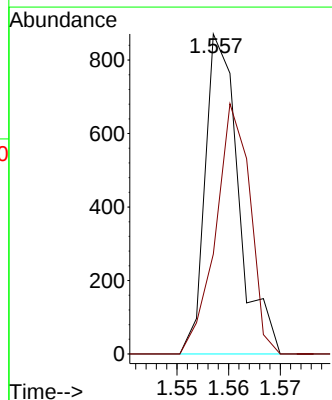
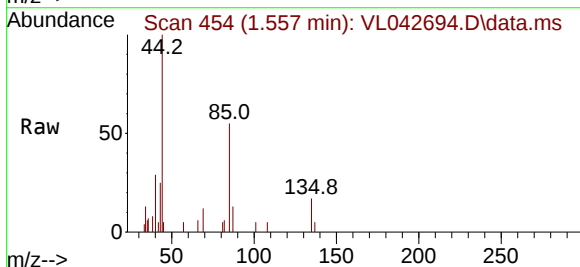
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

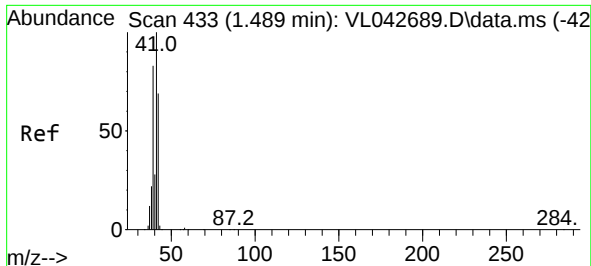
Tgt Ion: 64 Resp: 43
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#8
Dichlorotetrafluoroethane
Concen: 0.039 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 85 Resp: 393
Ion Ratio Lower Upper
85 100
135 87.0 52.6 79.0#

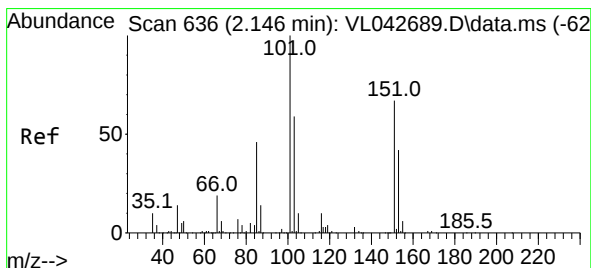
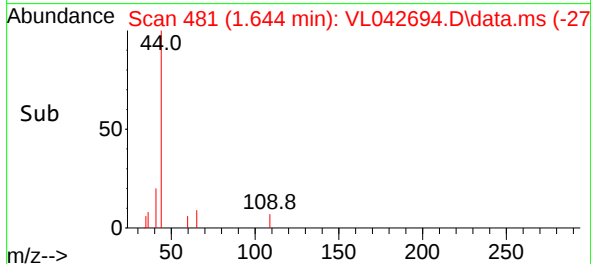
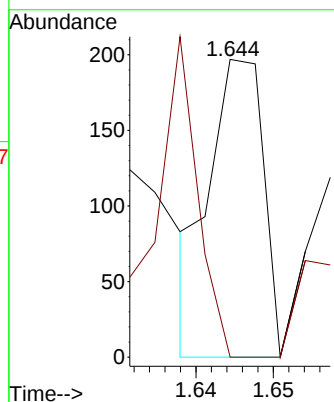
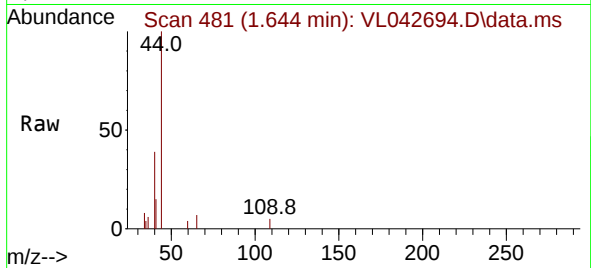




#9
 Propene
 Concen: 0.014 ppbv
 RT: 1.644 min Scan# 41
 Delta R.T. 0.155 min
 Lab File: VL042694.D
 Acq: 02 Jul 2025 11:06

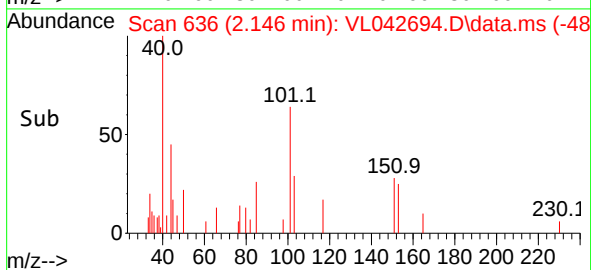
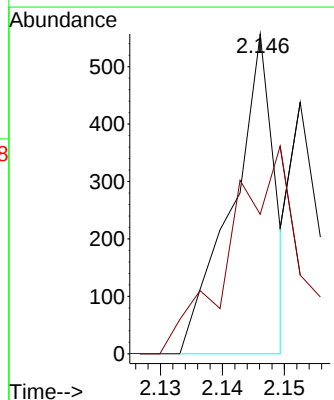
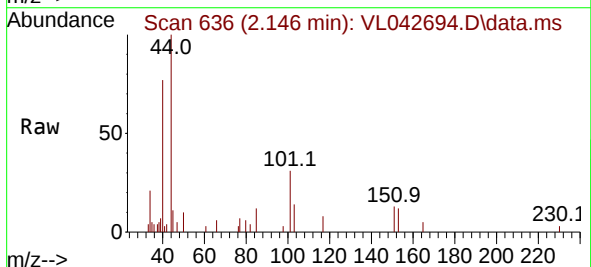
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

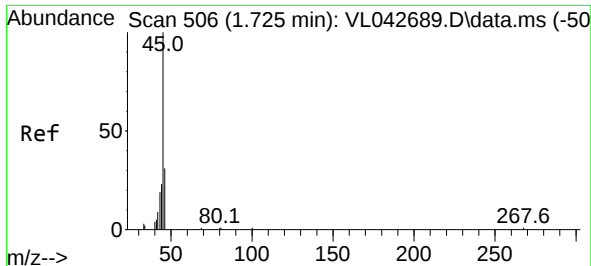
Tgt Ion: 41 Resp: 94
 Ion Ratio Lower Upper
 41 100
 42 73.4 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.026 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. -0.000 min
 Lab File: VL042694.D
 Acq: 02 Jul 2025 11:06

Tgt Ion: 101 Resp: 269
 Ion Ratio Lower Upper
 101 100
 151 0.0 56.6 84.8#

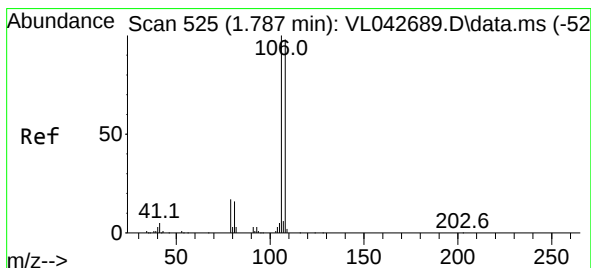
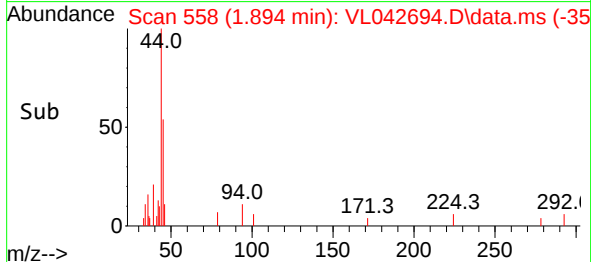
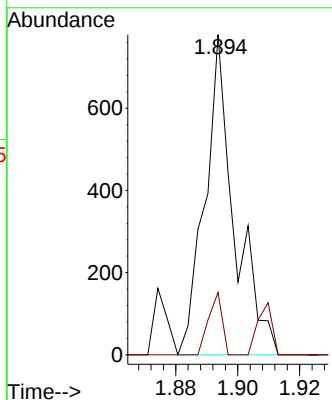
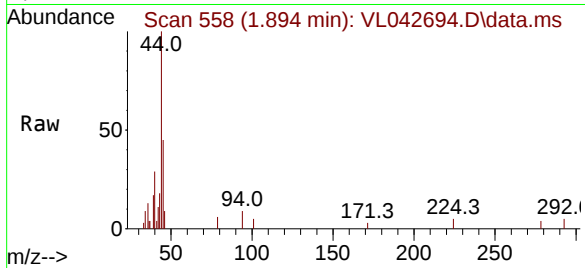




#13
Ethanol
Concen: 0.793 ppbv
RT: 1.894 min Scan# 514
Delta R.T. 0.168 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

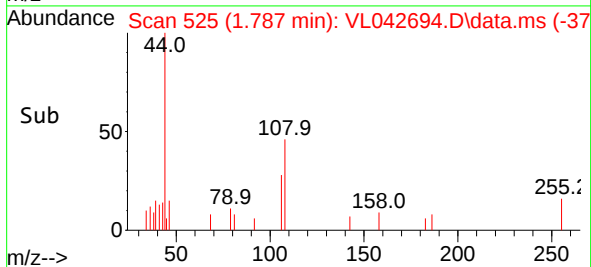
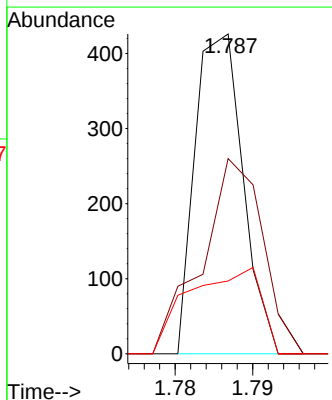
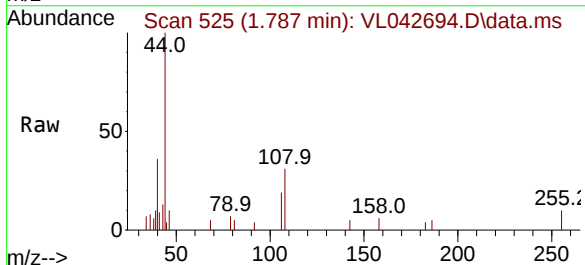
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

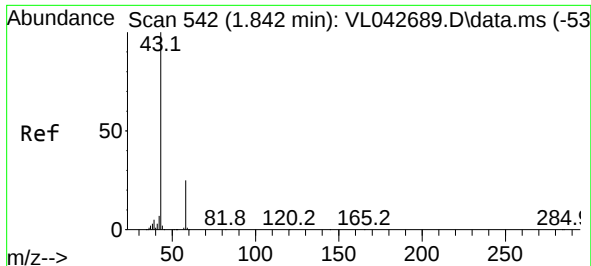
Tgt Ion: 45 Resp: 514
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8#



#14
Bromoethene
Concen: 0.052 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 108 Resp: 183
Ion Ratio Lower Upper
108 100
106 78.1 85.9 128.9#
79 56.3 14.5 21.7#

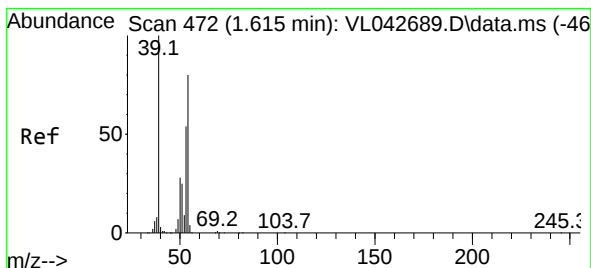
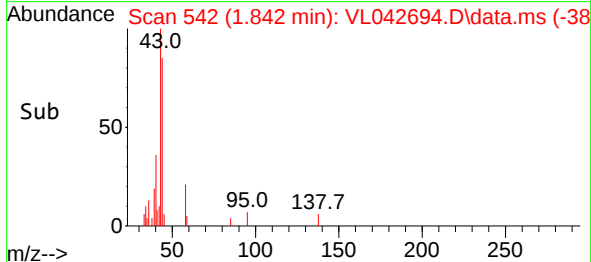
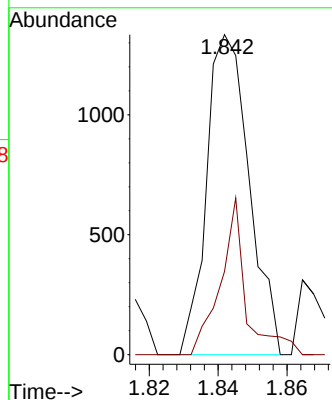
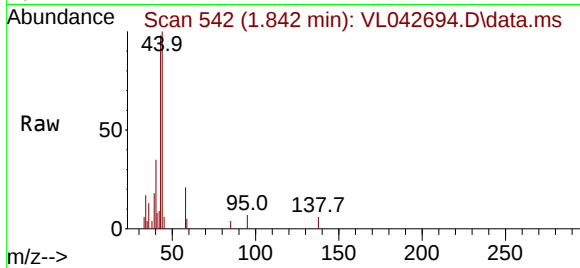




#15
Acetone
Concen: 0.099 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

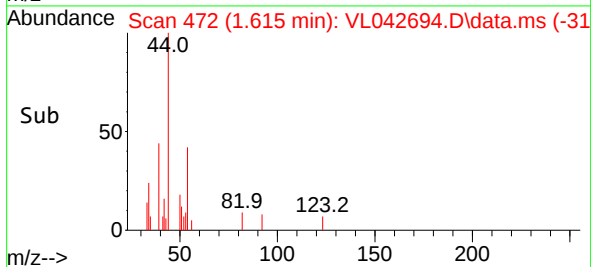
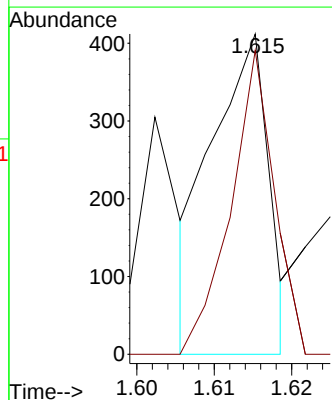
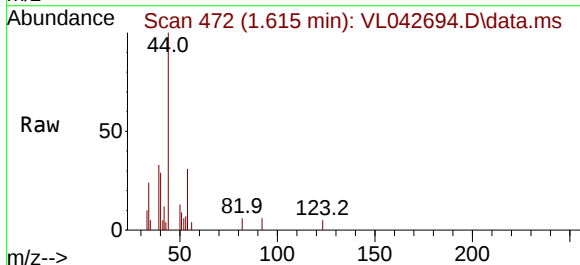
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

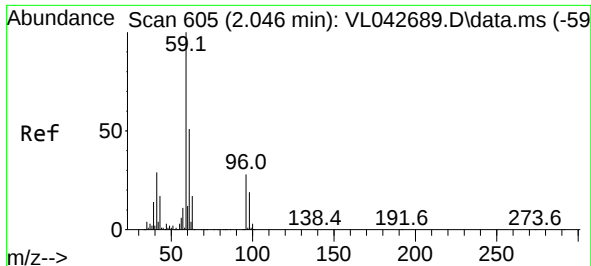
Tgt Ion: 43 Resp: 1144
Ion Ratio Lower Upper
43 100
58 29.5 20.6 31.0



#16
1,3-Butadiene
Concen: 0.040 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 39 Resp: 211
Ion Ratio Lower Upper
39 100
54 72.5 54.9 82.3





#17

tert-Butyl alcohol

Concen: 0.050 ppbv

RT: 2.049 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL042694.D

Acq: 02 Jul 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

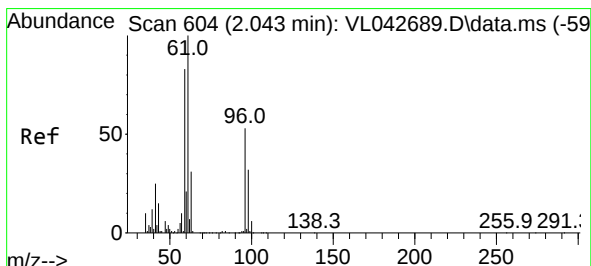
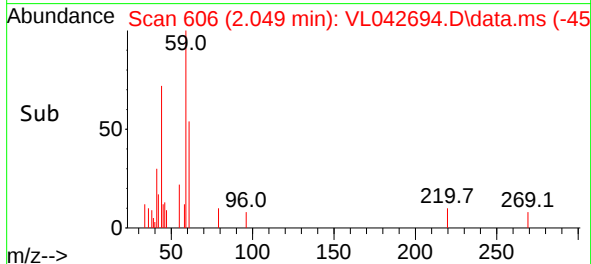
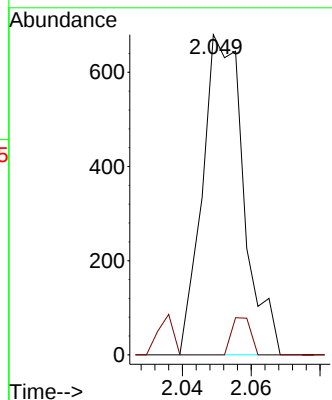
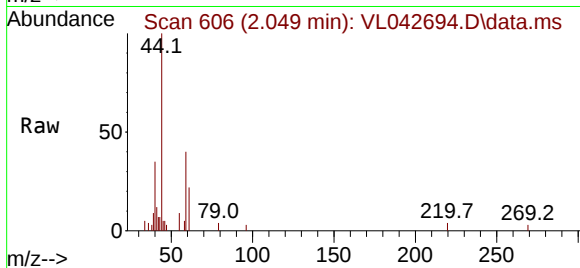
VSTDICC0.03

Tgt Ion: 59 Resp: 564

Ion Ratio Lower Upper

59 100

57 5.3 8.8 13.2#



#18

1,1-Dichloroethene

Concen: 0.011 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL042694.D

Acq: 02 Jul 2025 11:06

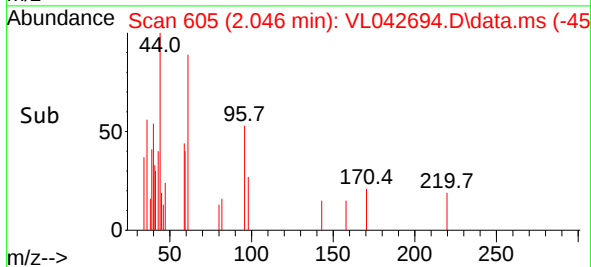
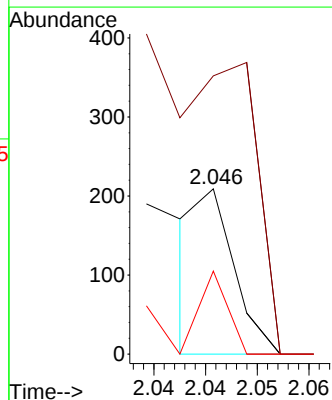
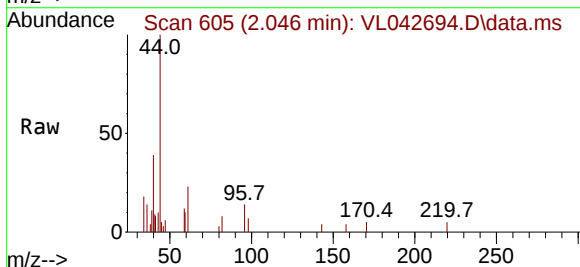
Tgt Ion: 96 Resp: 51

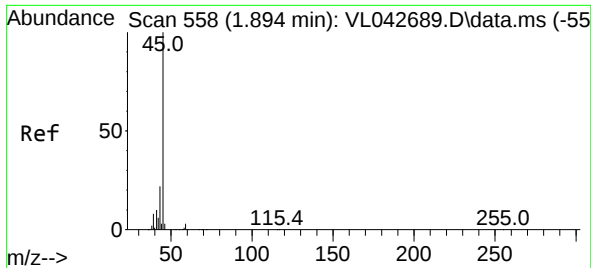
Ion Ratio Lower Upper

96 100

61 168.4 151.0 226.6

98 50.2 49.0 73.4

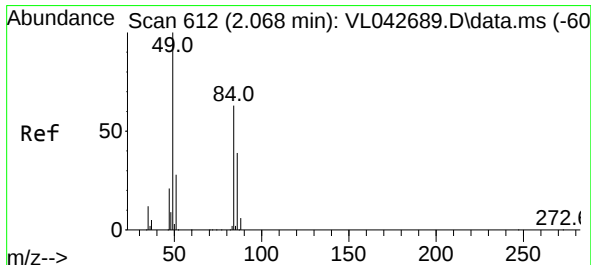
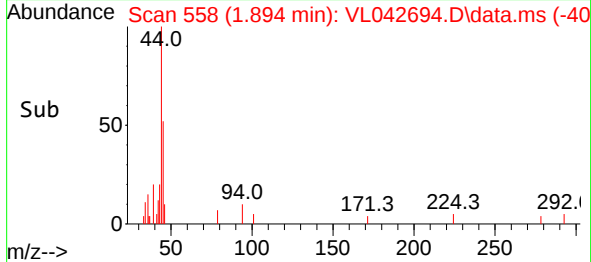
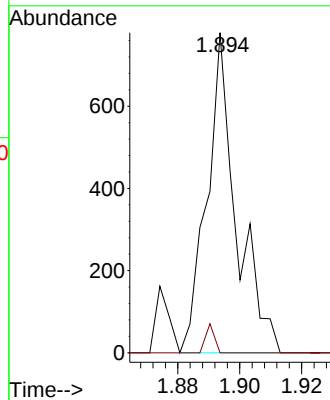
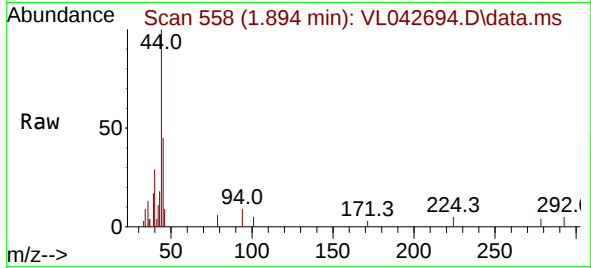




#19
Isopropyl Alcohol
Concen: 0.077 ppbv
RT: 1.894 min Scan# 514
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

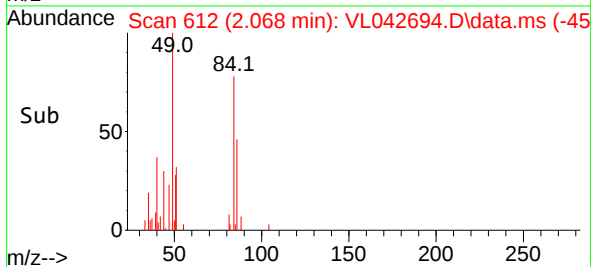
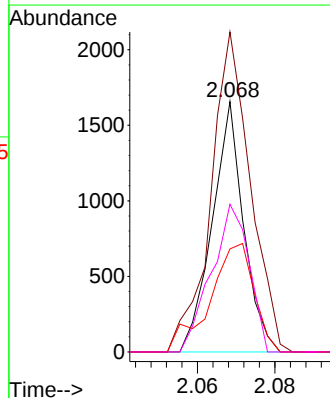
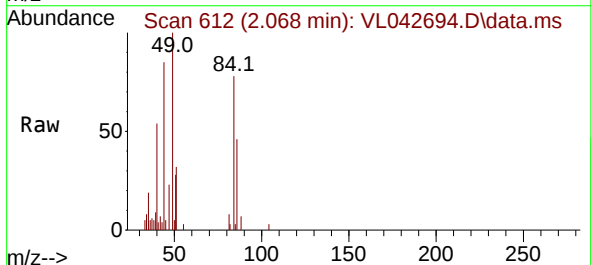
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

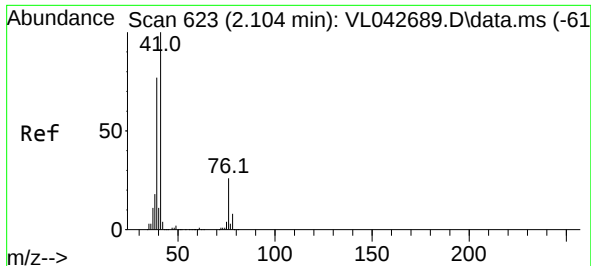
Tgt Ion: 45 Resp: 514
Ion Ratio Lower Upper
45 100
58 67.5 1.4 2.2#



#20
Methylene Chloride
Concen: 0.211 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 84 Resp: 933
Ion Ratio Lower Upper
84 100
49 124.7 128.6 193.0#
51 41.2 37.4 56.2
86 59.0 49.2 73.8





#21

Allyl Chloride

Concen: 0.054 ppbv

RT: 2.107 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042694.D

Acq: 02 Jul 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

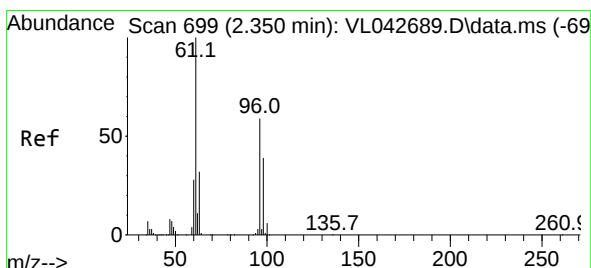
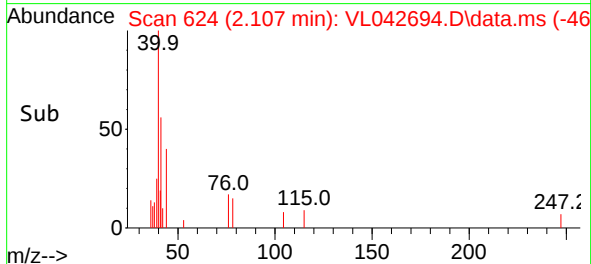
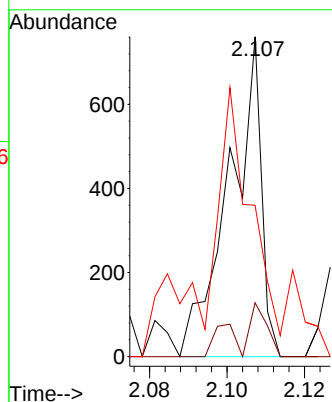
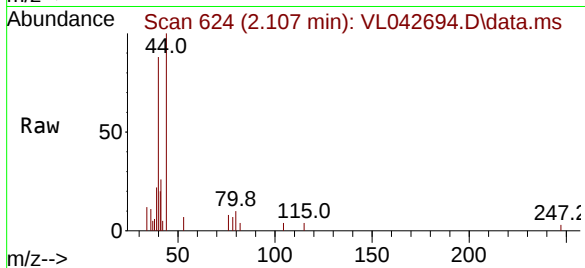
Tgt Ion: 41 Resp: 437

Ion Ratio Lower Upper

41 100

76 15.6 21.7 32.5#

39 132.7 63.4 95.2#



#22

trans-1,2-Dichloroethene

Concen: 0.052 ppbv

RT: 2.350 min Scan# 699

Delta R.T. -0.000 min

Lab File: VL042694.D

Acq: 02 Jul 2025 11:06

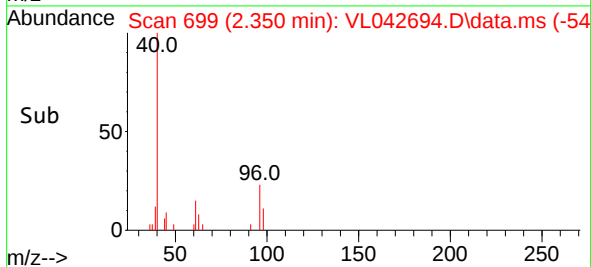
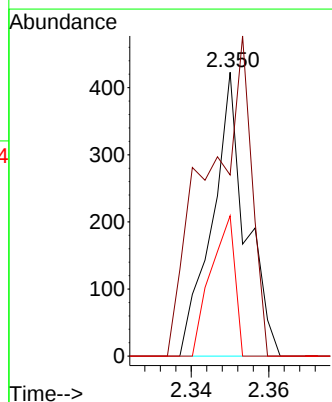
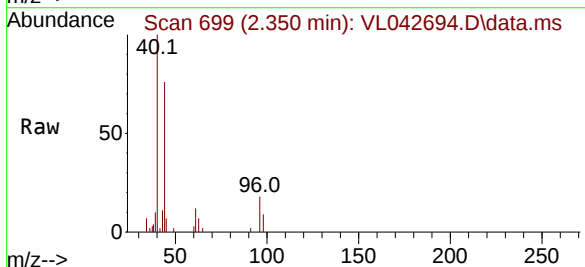
Tgt Ion: 96 Resp: 254

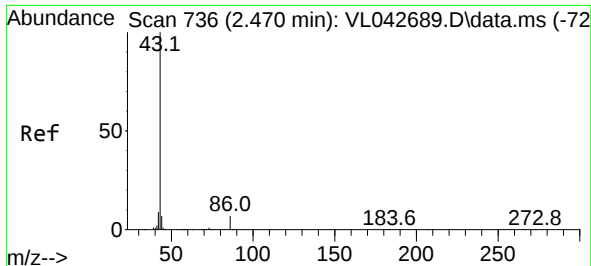
Ion Ratio Lower Upper

96 100

61 63.8 136.5 204.7#

98 49.4 53.5 80.3#



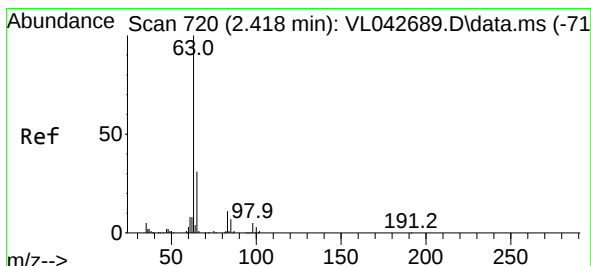
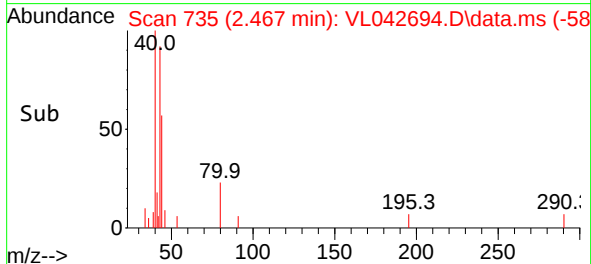
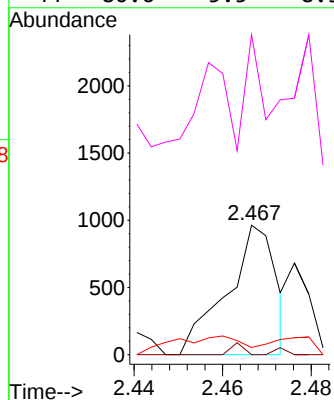
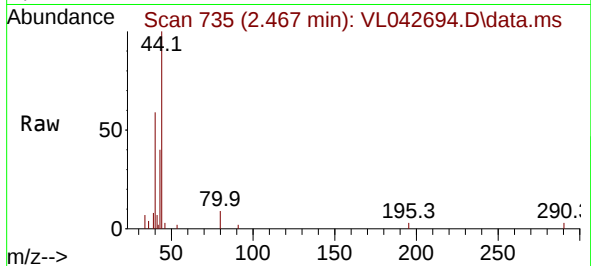


#23
Vinyl Acetate
Concen: 0.039 ppbv
RT: 2.467 min Scan# 71
Delta R.T. -0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion: 43 Resp: 737

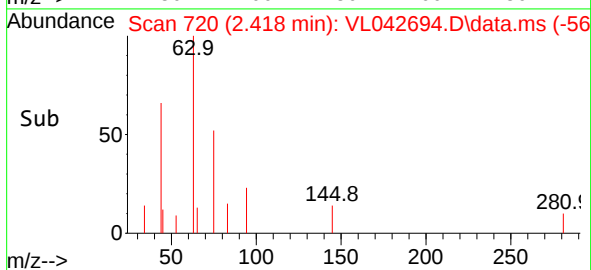
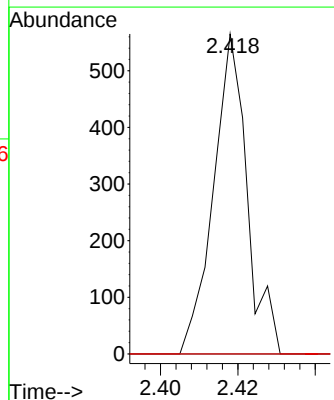
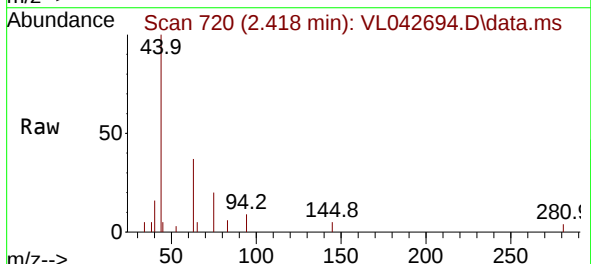
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.6#
42	0.0	7.2	10.8#
44	80.6	5.5	8.3#

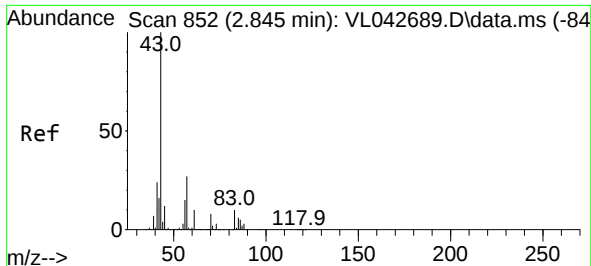


#24
1,1-Dichloroethane
Concen: 0.034 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 63 Resp: 341

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.5	7.6#
100	0.0	1.7	5.0#

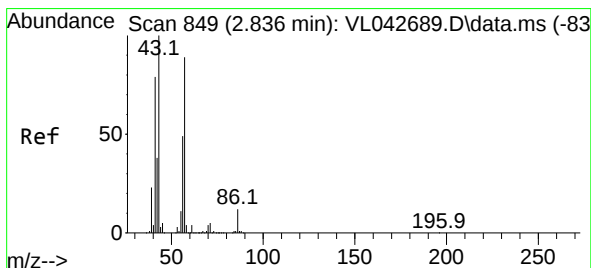
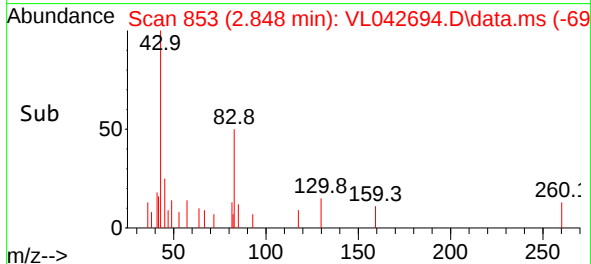
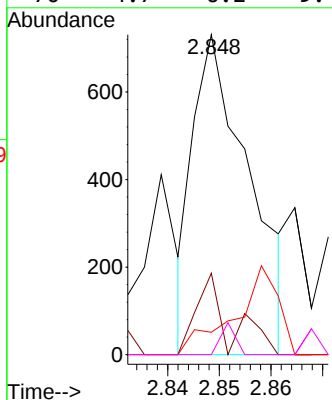
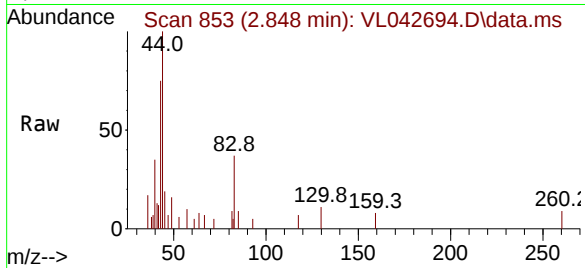




#25
Ethyl Acetate
Concen: 0.016 ppbv
RT: 2.848 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

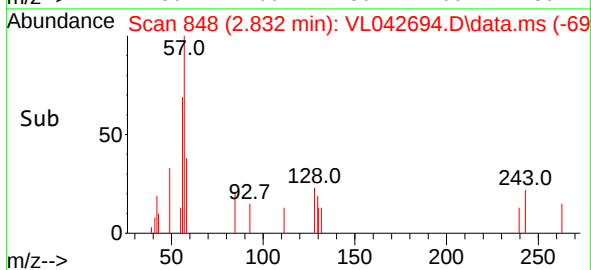
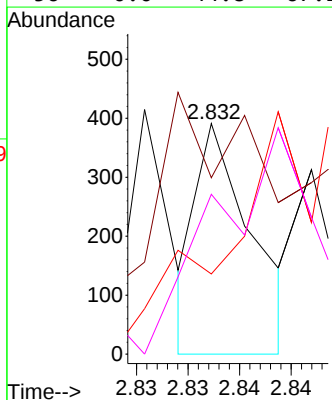
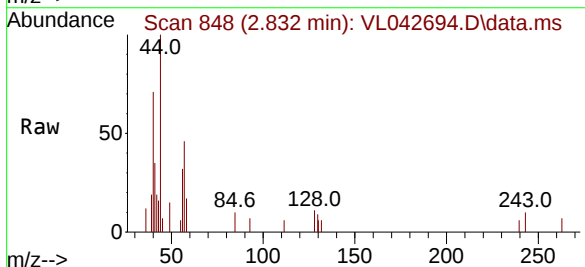
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

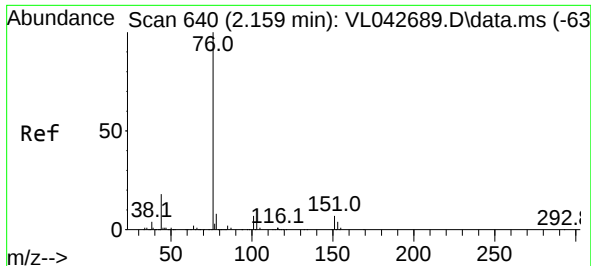
Tgt Ion: 43	Resp: 553
Ion Ratio	Lower Upper
43 100	
45 22.6	8.1 12.1#
61 0.0	7.0 10.6#
70 4.7	6.2 9.4#



#26
Hexane
Concen: 0.010 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 57	Resp: 147
Ion Ratio	Lower Upper
57 100	
41 429.3	73.7 110.5#
43 0.0	190.6 285.8#
56 0.0	44.8 67.2#

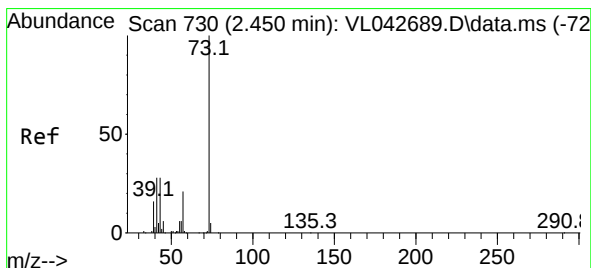
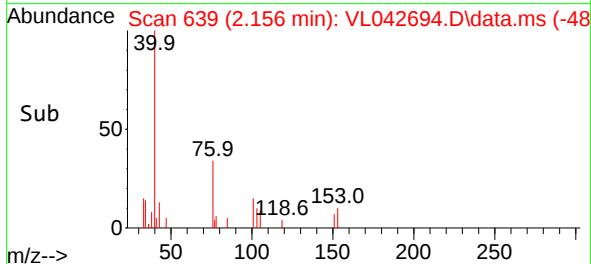
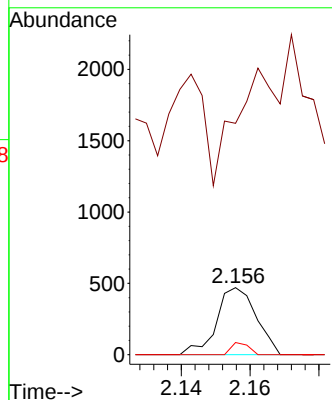
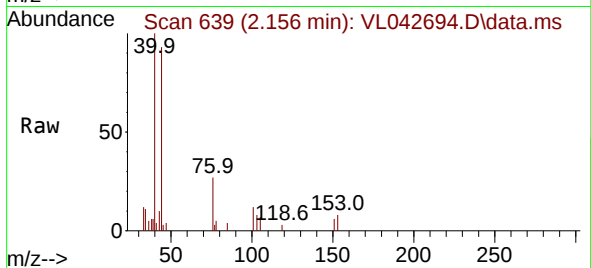




#27
Carbon Disulfide
Concen: 0.032 ppbv
RT: 2.156 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

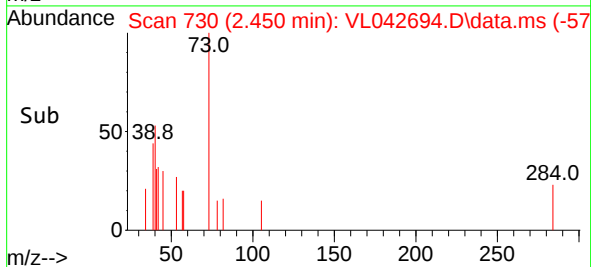
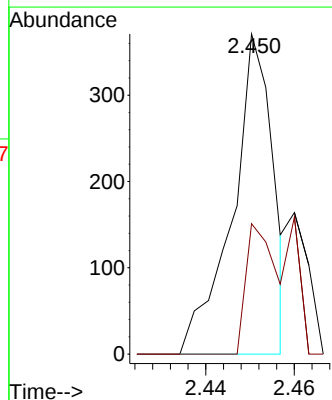
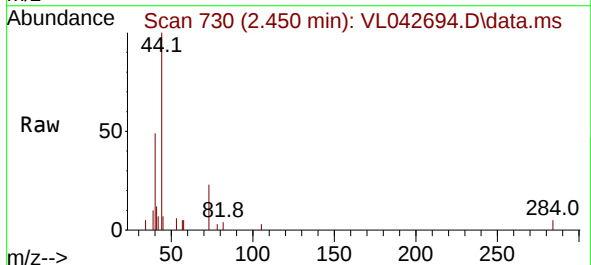
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

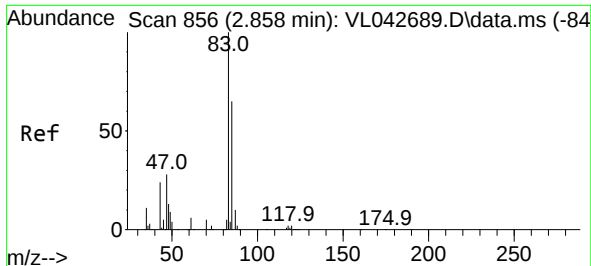
Tgt Ion: 76 Resp: 376
Ion Ratio Lower Upper
76 100
44 552.1 15.6 23.4#
78 0.0 9.2 13.8#



#28
Methyl tert-Butyl Ether
Concen: 0.040 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 73 Resp: 237
Ion Ratio Lower Upper
73 100
57 0.0 19.3 28.9#





#29

Chloroform

Concen: 0.040 ppbv

RT: 2.855 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042694.D

Acq: 02 Jul 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

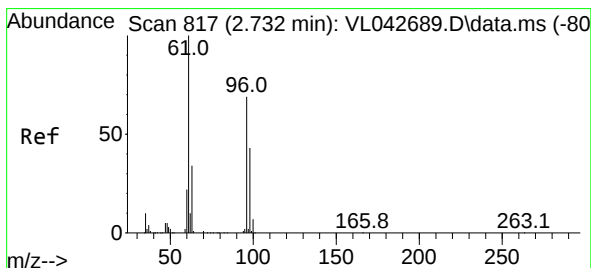
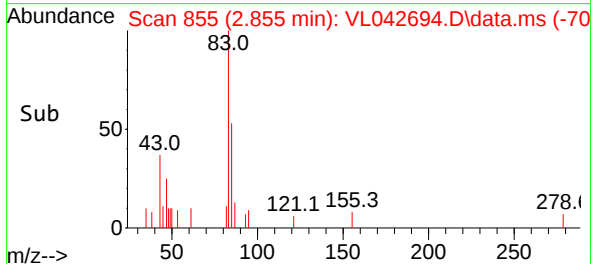
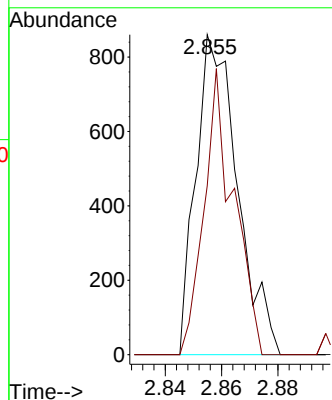
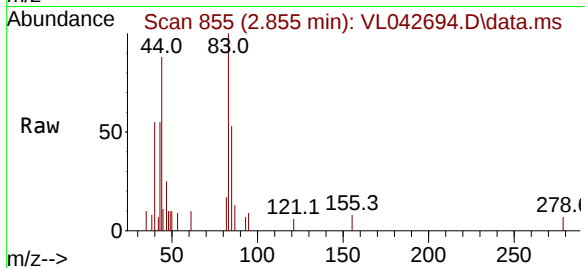
VSTDICC0.03

Tgt Ion: 83 Resp: 881

Ion Ratio Lower Upper

83 100

85 52.8 52.4 78.6



#31

cis-1,2-Dichloroethene

Concen: 0.023 ppbv

RT: 2.732 min Scan# 817

Delta R.T. -0.000 min

Lab File: VL042694.D

Acq: 02 Jul 2025 11:06

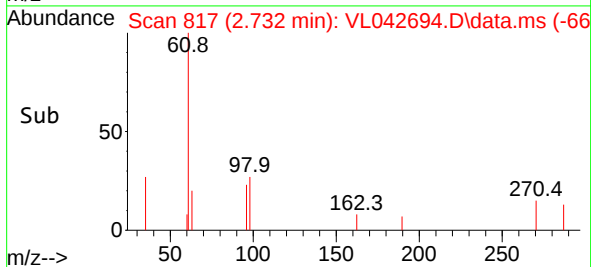
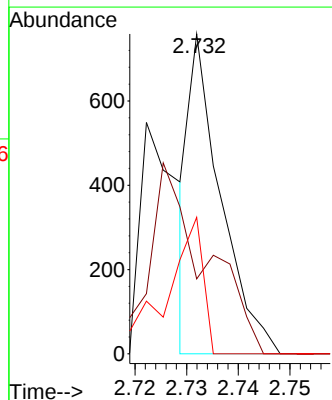
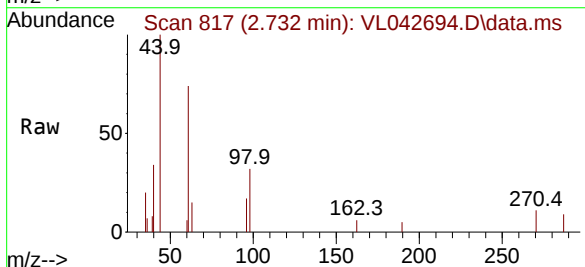
Tgt Ion: 61 Resp: 321

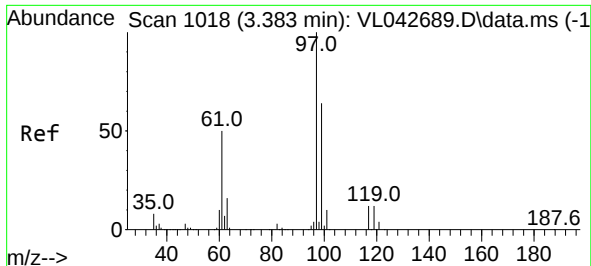
Ion Ratio Lower Upper

61 100

96 23.5 54.8 82.2#

98 42.7 34.7 52.1

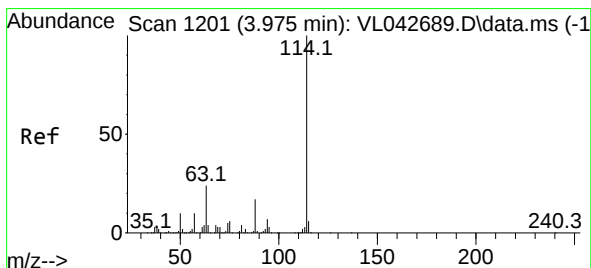
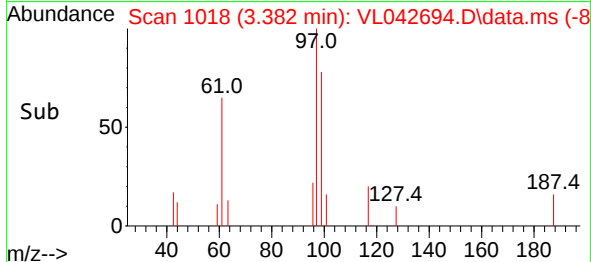
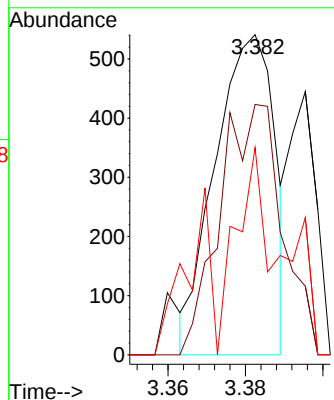
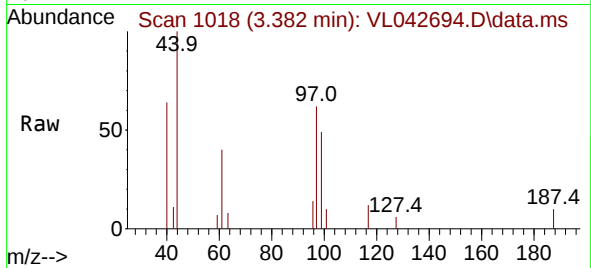




#32
 1,1,1-Trichloroethane
 Concen: 0.027 ppbv
 RT: 3.382 min Scan# 1018
 Delta R.T. -0.000 min
 Lab File: VL042694.D
 Acq: 02 Jul 2025 11:06

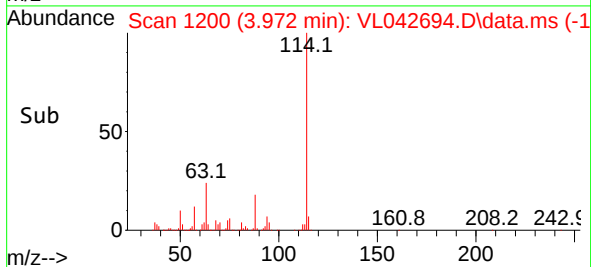
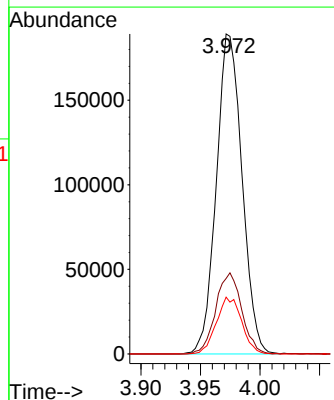
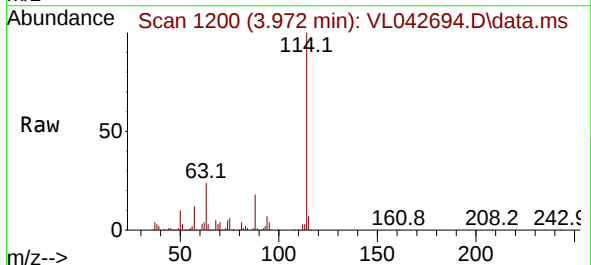
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

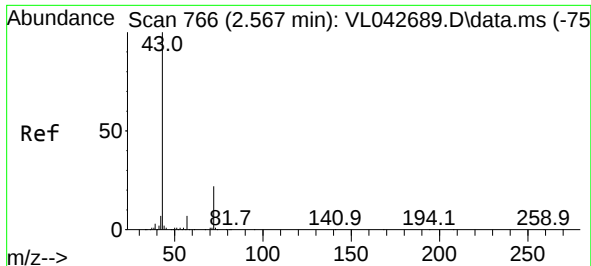
Tgt Ion: 97 Resp: 578
 Ion Ratio Lower Upper
 97 100
 99 81.8 51.4 77.0#
 61 70.8 41.1 61.7#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.972 min Scan# 1200
 Delta R.T. -0.003 min
 Lab File: VL042694.D
 Acq: 02 Jul 2025 11:06

Tgt Ion: 114 Resp: 283981
 Ion Ratio Lower Upper
 114 100
 63 25.7 20.4 30.6
 88 17.5 14.2 21.2

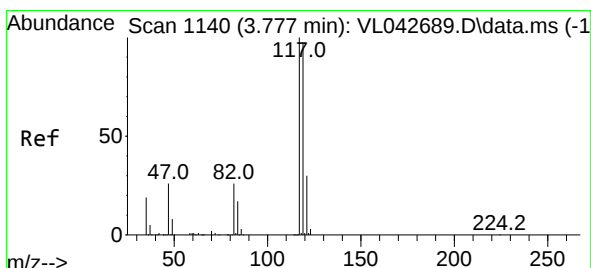
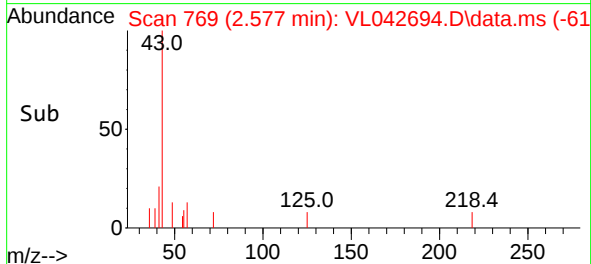
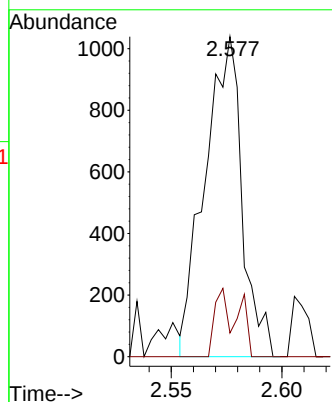
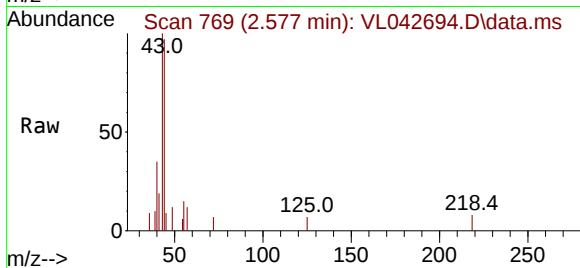




#34
2-Butanone
Concen: 0.054 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.010 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

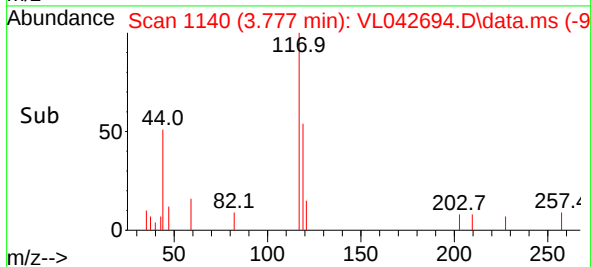
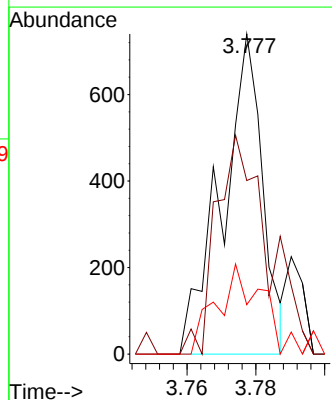
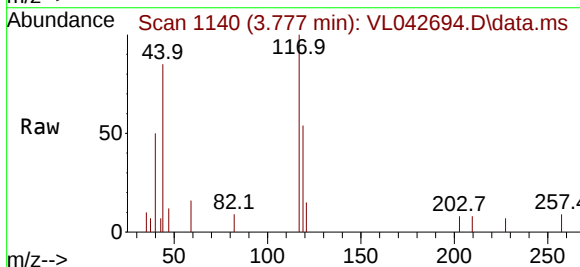
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

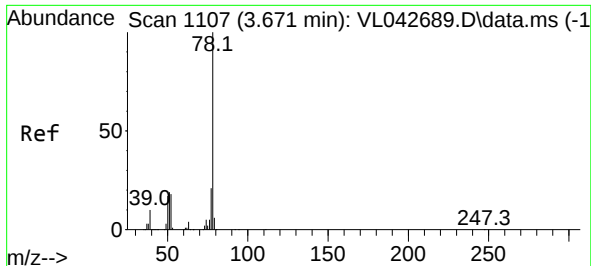
Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
72 12.9 17.1 25.7#



#35
Carbon Tetrachloride
Concen: 0.031 ppbv
RT: 3.777 min Scan# 1140
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 117 Resp: 607
Ion Ratio Lower Upper
117 100
119 54.2 77.6 116.4#
121 15.4 24.0 36.0#

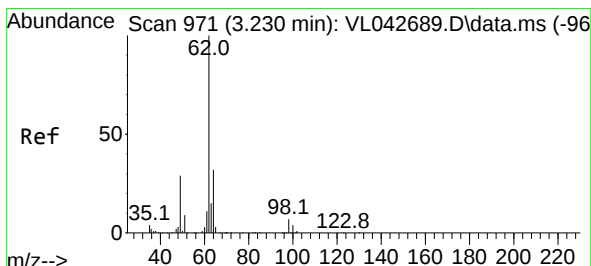
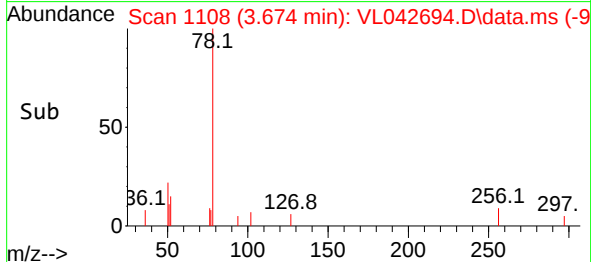
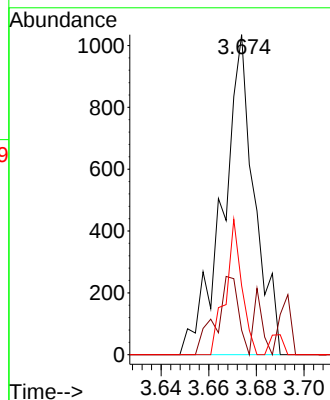
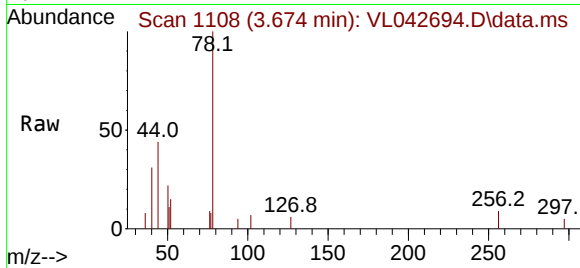




#36
Benzene
Concen: 0.033 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

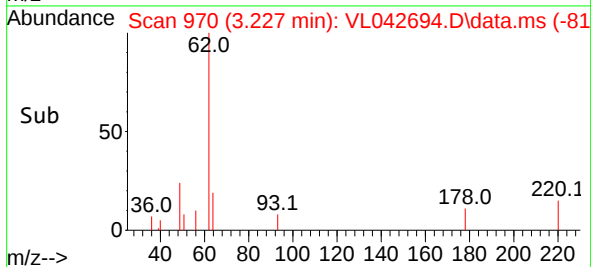
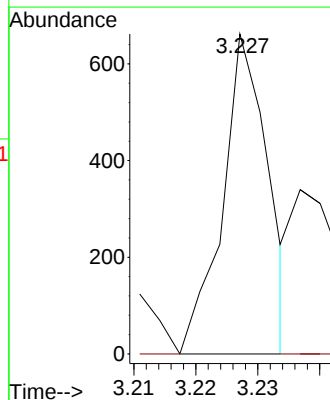
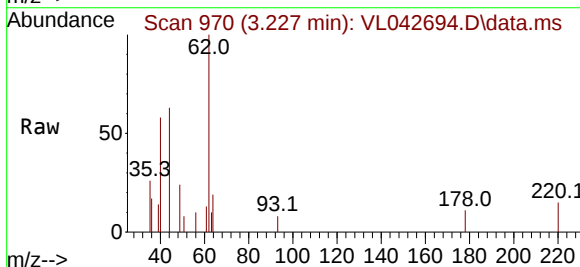
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

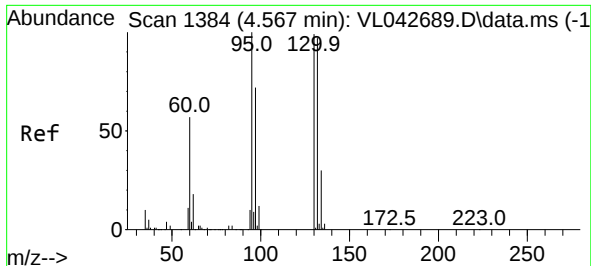
Tgt Ion: 78 Resp: 955
Ion Ratio Lower Upper
78 100
77 7.6 17.0 25.4#
50 21.5 13.7 20.5#



#37
1,2-Dichloroethane
Concen: 0.022 ppbv
RT: 3.227 min Scan# 970
Delta R.T. -0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 62 Resp: 339
Ion Ratio Lower Upper
62 100
98 0.0 5.8 8.8#

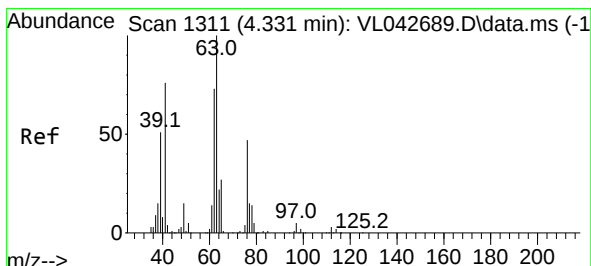
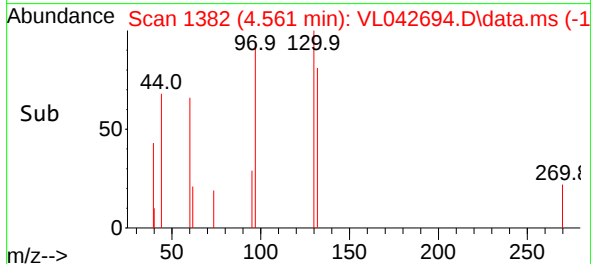
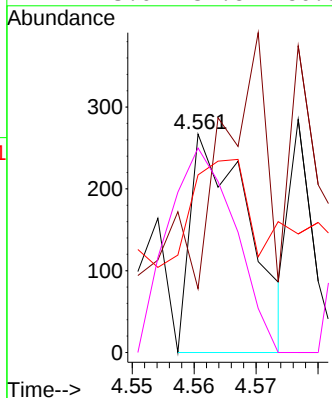
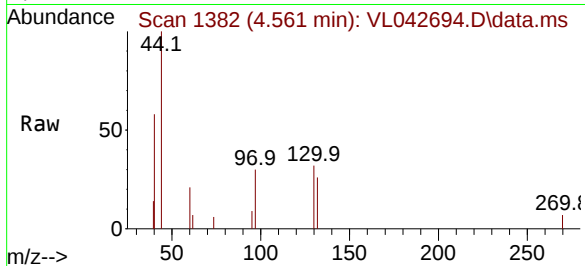




#38
 Trichloroethene
 Concen: 0.014 ppbv
 RT: 4.561 min Scan# 11
 Delta R.T. -0.007 min
 Lab File: VL042694.D
 Acq: 02 Jul 2025 11:06

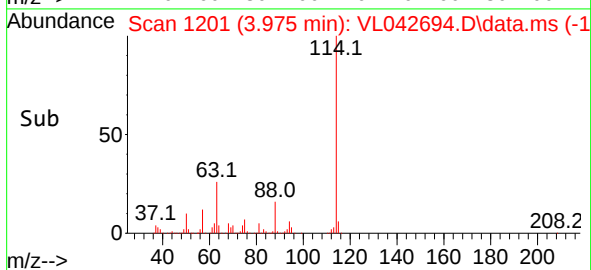
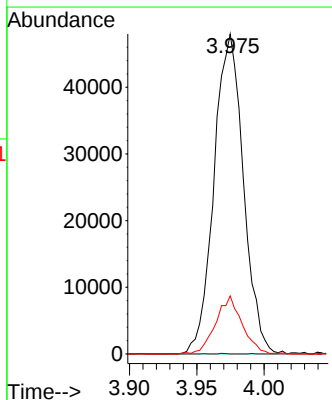
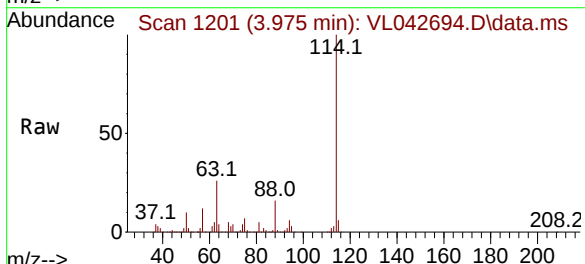
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

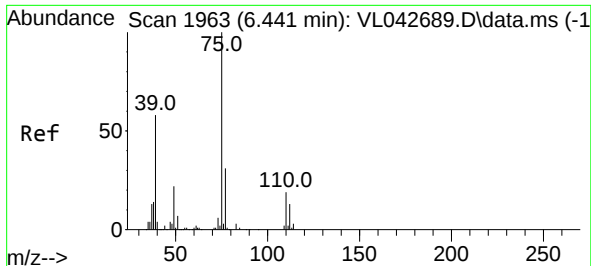
Tgt Ion:	130	Resp:	175
Ion	Ratio	Lower	Upper
130	100		
95	0.0	81.1	121.7#
132	36.7	77.9	116.9#
97	93.6	57.8	86.8#



#39
 1,2-Dichloropropane
 Concen: 6.512 ppbv
 RT: 3.975 min Scan# 1201
 Delta R.T. -0.356 min
 Lab File: VL042694.D
 Acq: 02 Jul 2025 11:06

Tgt Ion:	63	Resp:	72725
Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	18.1	58.6	87.8#





#45

t-1,3-Dichloropropene

Concen: 0.016 ppbv

RT: 6.425 min Scan# 1963

Delta R.T. -0.016 min

Lab File: VL042694.D

Acq: 02 Jul 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

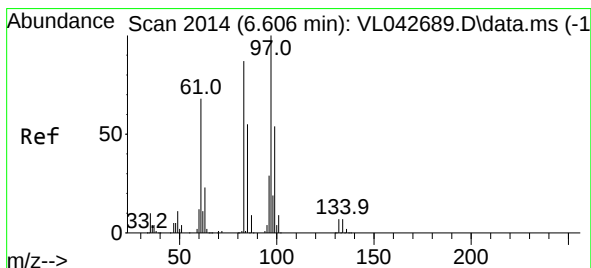
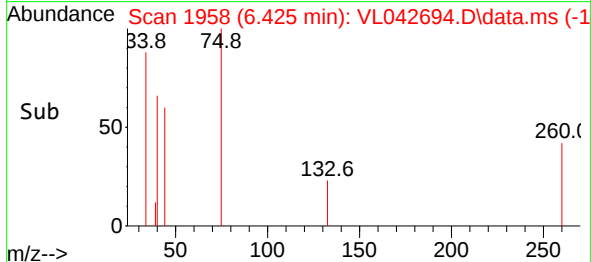
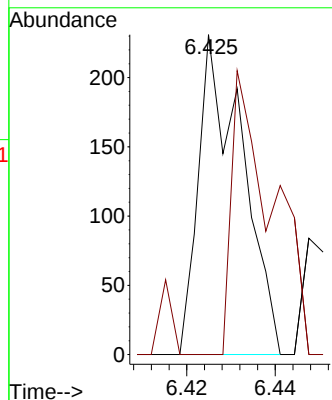
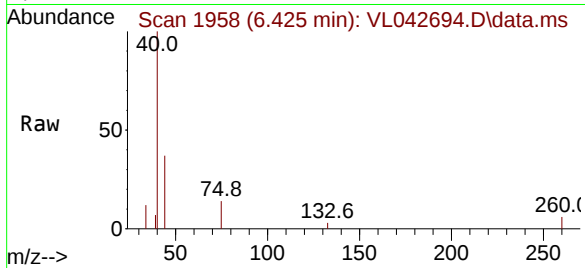
VSTDIC0.03

Tgt Ion: 75 Resp: 158

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#



#47

1,1,2-Trichloroethane

Concen: 0.017 ppbv

RT: 6.596 min Scan# 2011

Delta R.T. -0.010 min

Lab File: VL042694.D

Acq: 02 Jul 2025 11:06

Tgt Ion: 97 Resp: 186

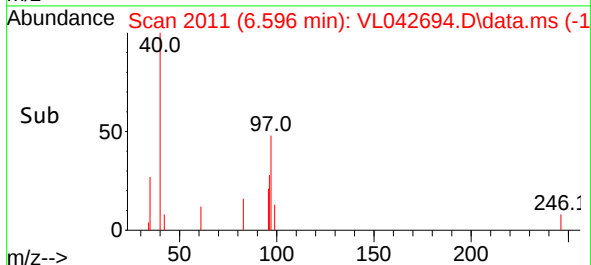
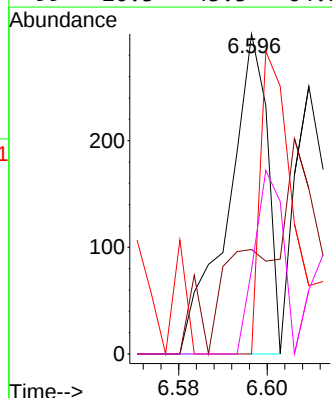
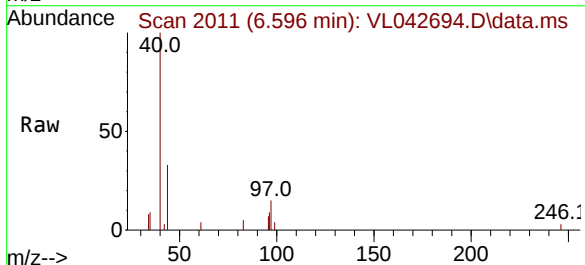
Ion Ratio Lower Upper

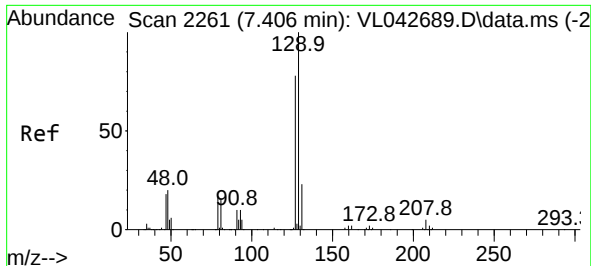
97 100

83 32.7 69.3 103.9#

85 0.0 43.7 65.5#

99 26.3 43.3 64.9#

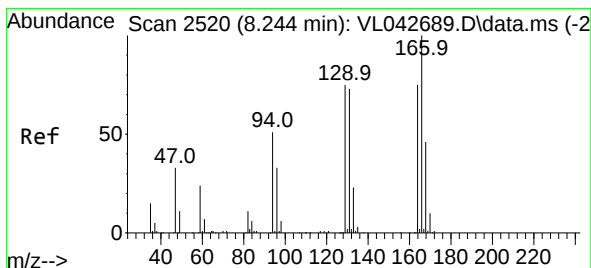
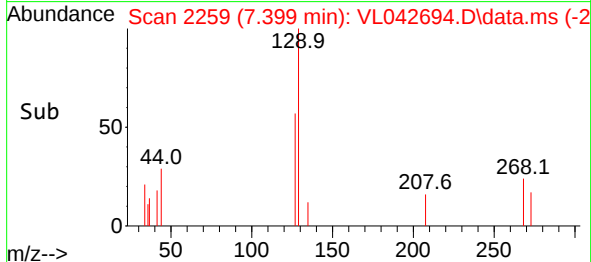
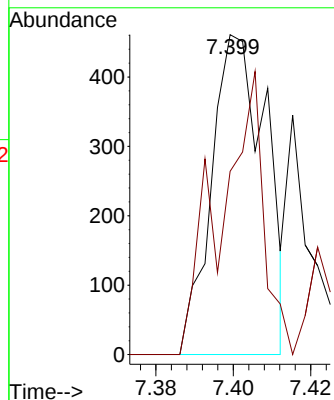
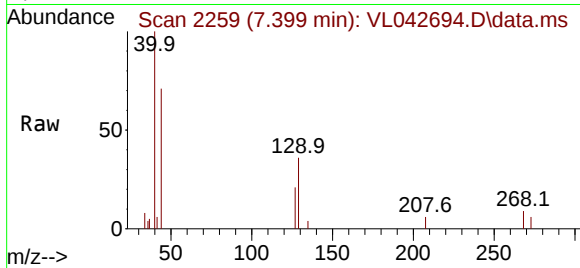




#48
 Dibromochloromethane
 Concen: 0.027 ppbv
 RT: 7.399 min Scan# 2119
 Delta R.T. -0.007 min
 Lab File: VL042694.D
 Acq: 02 Jul 2025 11:06

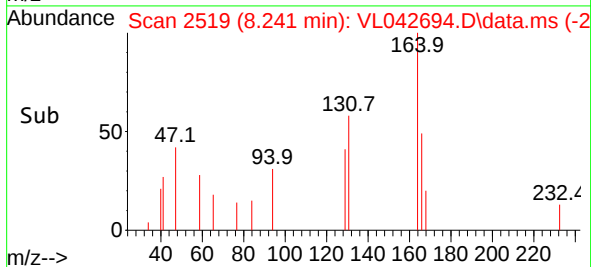
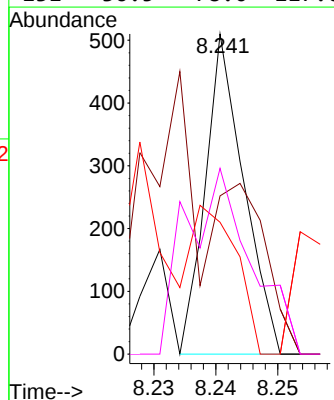
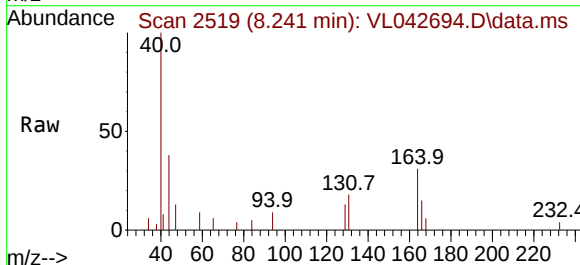
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

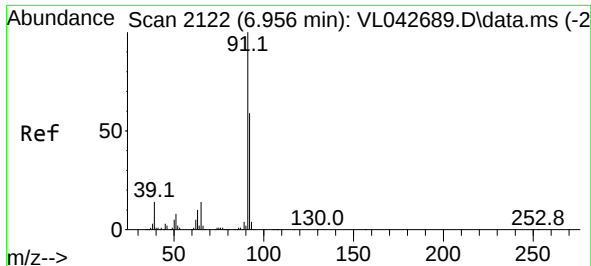
Tgt Ion:129 Resp: 451
 Ion Ratio Lower Upper
 129 100
 127 89.4 38.3 114.8



#52
 Tetrachloroethene
 Concen: 0.023 ppbv
 RT: 8.241 min Scan# 2519
 Delta R.T. -0.003 min
 Lab File: VL042694.D
 Acq: 02 Jul 2025 11:06

Tgt Ion:164 Resp: 220
 Ion Ratio Lower Upper
 164 100
 166 35.3 106.6 160.0#
 129 41.2 79.8 119.6#
 131 36.5 78.0 117.0#

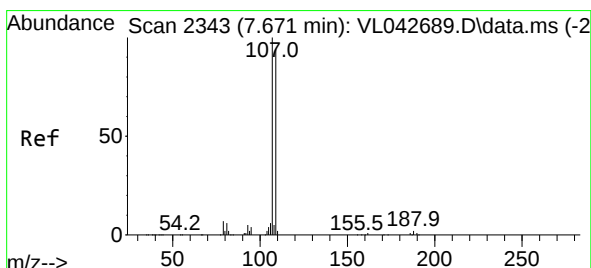
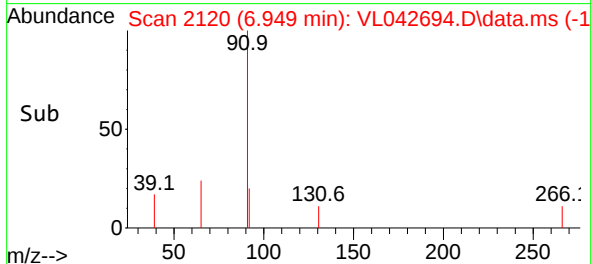
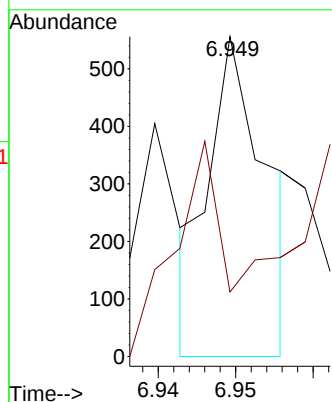
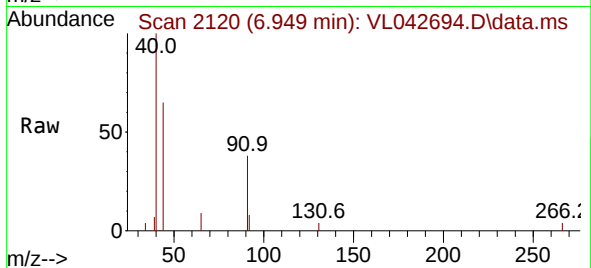




#53
Toluene
Concen: 0.011 ppbv
RT: 6.949 min Scan# 2120
Delta R.T. -0.007 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

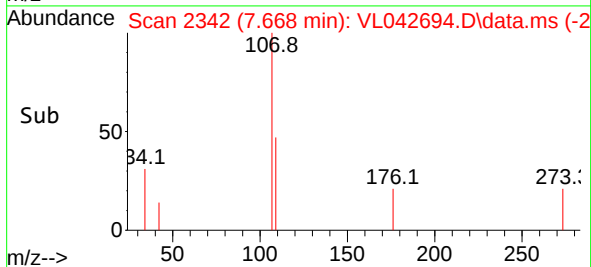
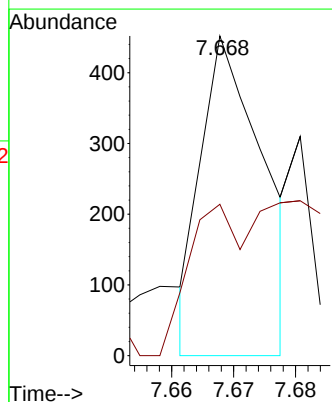
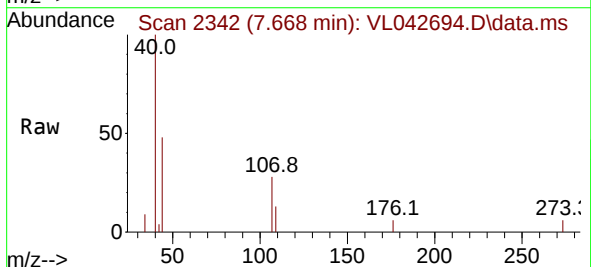
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

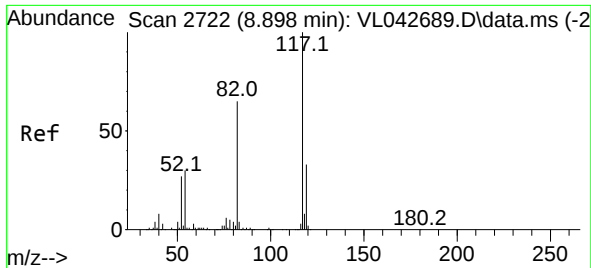
Tgt Ion: 91 Resp: 286
Ion Ratio Lower Upper
91 100
92 132.5 47.4 71.2#



#54
1,2-Dibromoethane
Concen: 0.020 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. -0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 107 Resp: 312
Ion Ratio Lower Upper
107 100
109 35.2 74.8 112.2#

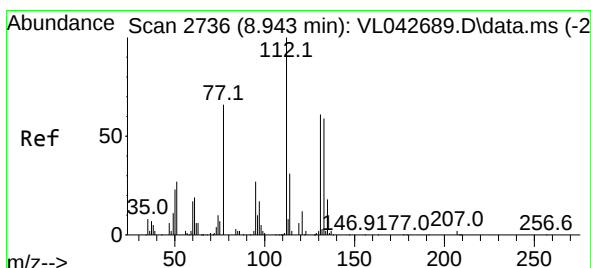
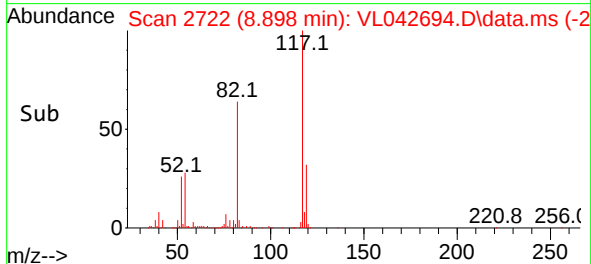
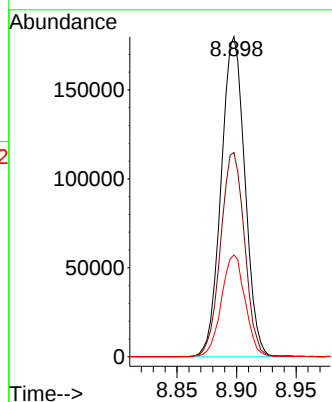
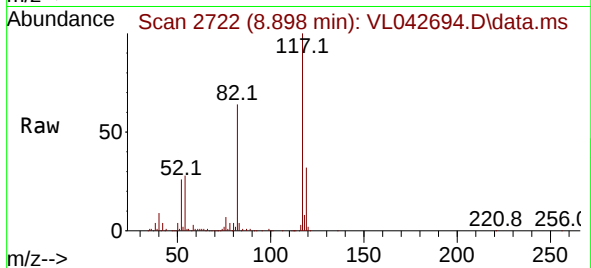




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

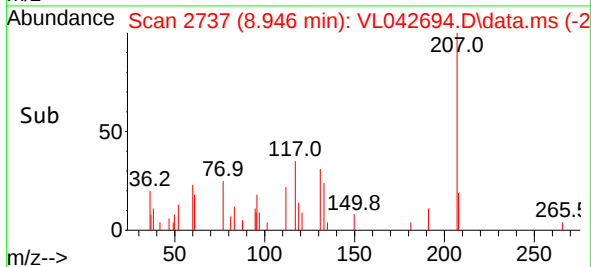
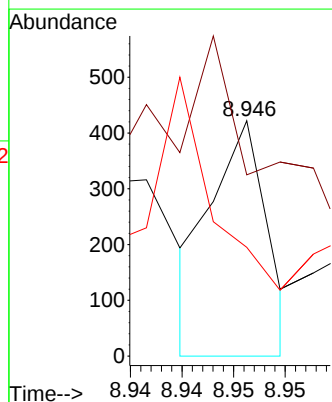
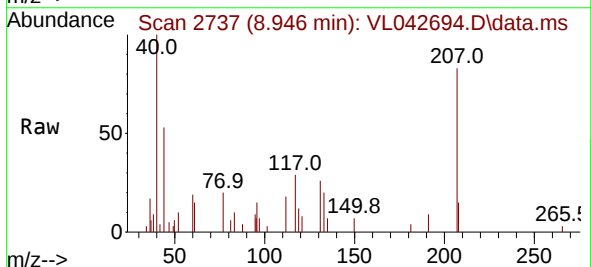
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

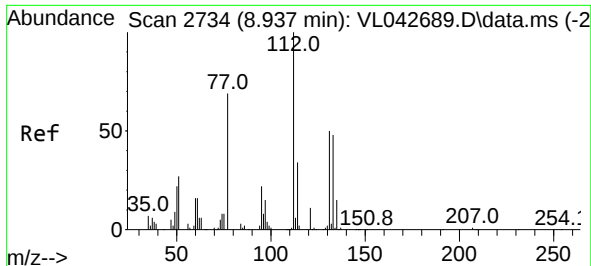
Tgt Ion:	117	Resp:	249164
Ion	Ratio	Lower	Upper
117	100		
82	64.6	53.4	80.2
119	31.8	26.6	39.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.012 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion:	131	Resp:	159
Ion	Ratio	Lower	Upper
131	100		
133	475.5	77.3	115.9#
119	0.0	52.6	78.8#

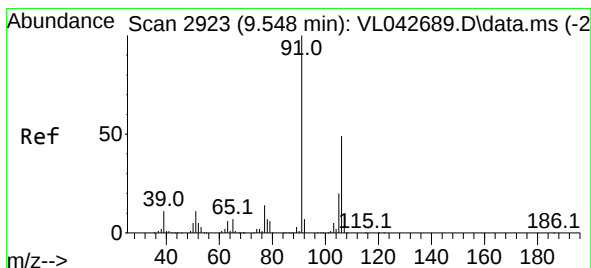
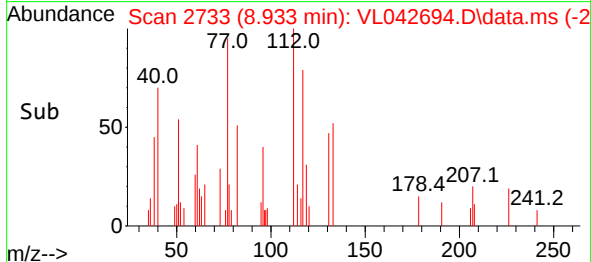
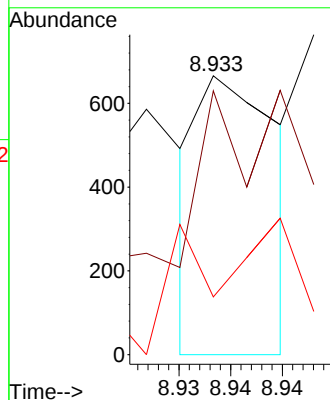
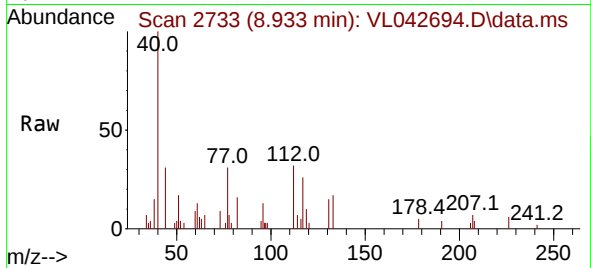




#57
Chlorobenzene
Concen: 0.014 ppbv
RT: 8.933 min Scan# 2112
Delta R.T. -0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

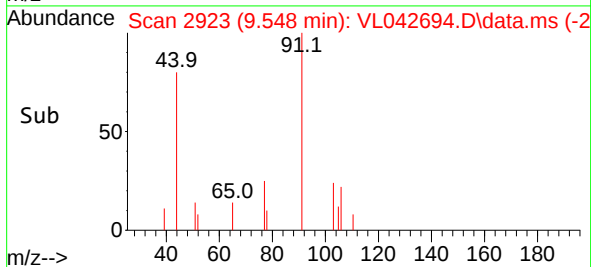
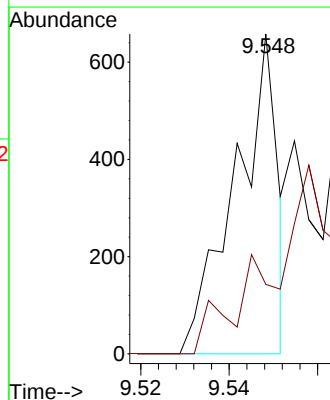
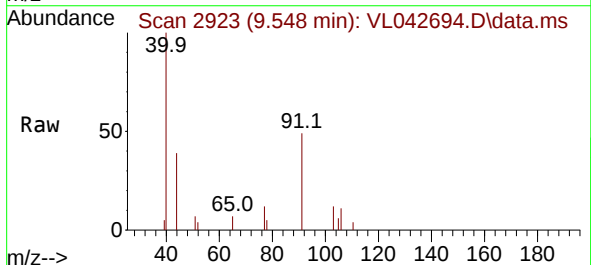
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

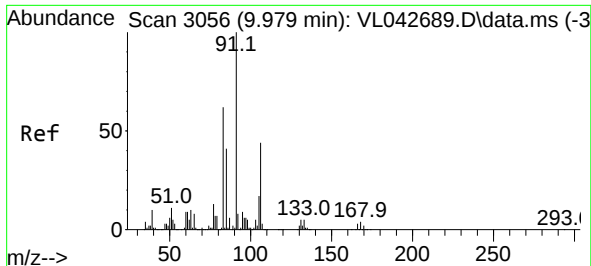
Tgt Ion:	112	Resp:	352
Ion Ratio	Lower	Upper	
112	100		
77	324.1	56.2	84.4#
114	0.0	30.2	37.0#



#59
m/p-Xylene
Concen: 0.015 ppbv
RT: 9.548 min Scan# 2923
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion:	91	Resp:	438
Ion Ratio	Lower	Upper	
91	100		
106	0.0	37.6	56.4#





#60

o-Xylene

Concen: 0.011 ppbv

RT: 9.976 min Scan# 3056

Delta R.T. -0.003 min

Lab File: VL042694.D

Acq: 02 Jul 2025 11:06

Instrument :

MSVOA_L

ClientSampleId :

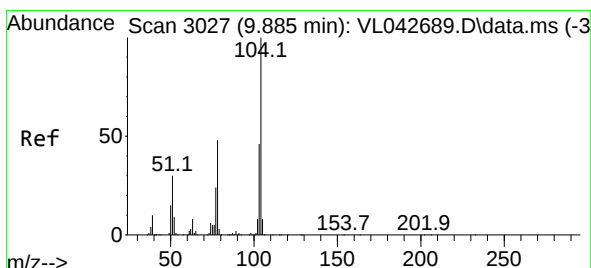
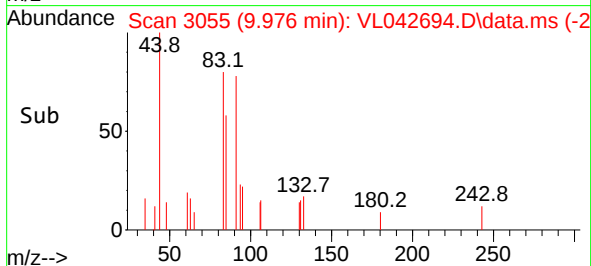
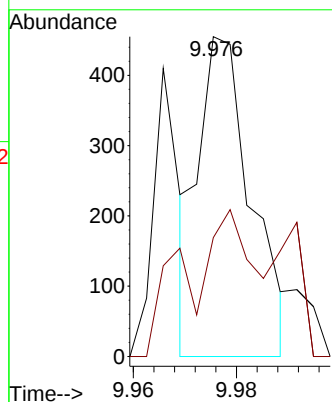
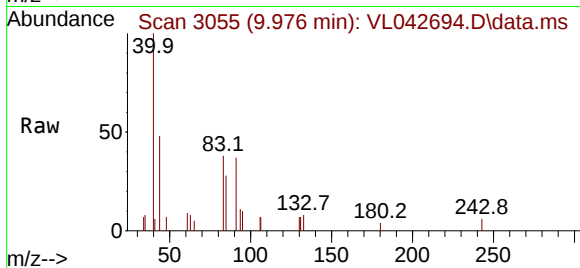
VSTDICC0.03

Tgt Ion: 91 Resp: 320

Ion Ratio Lower Upper

91 100

106 79.4 22.8 68.4#



#61

Styrene

Concen: 0.013 ppbv

RT: 9.888 min Scan# 3028

Delta R.T. 0.003 min

Lab File: VL042694.D

Acq: 02 Jul 2025 11:06

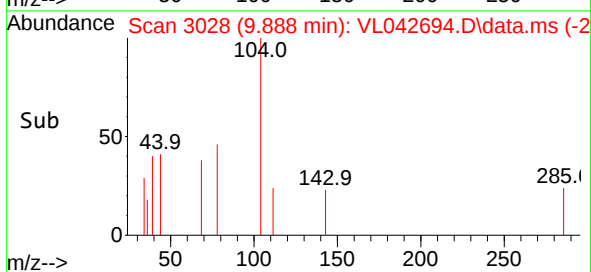
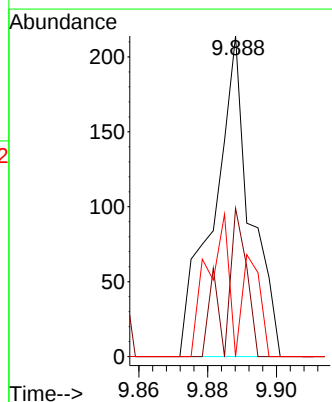
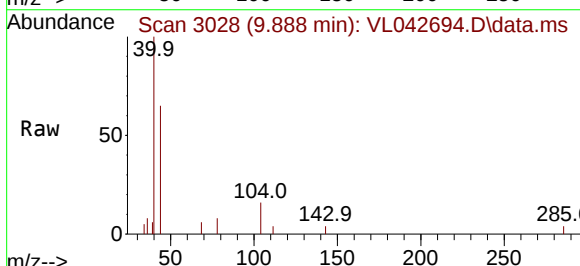
Tgt Ion: 104 Resp: 157

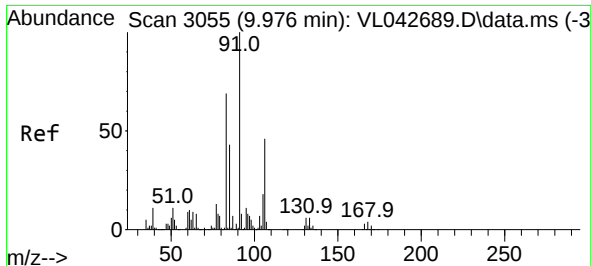
Ion Ratio Lower Upper

104 100

78 26.8 39.0 58.6#

103 41.4 37.4 56.0

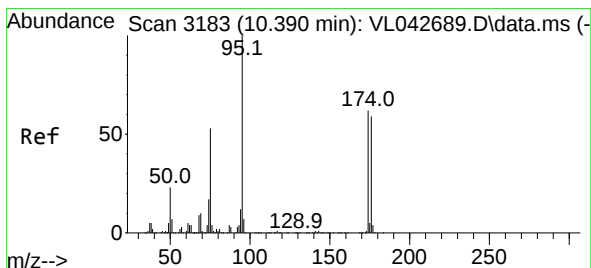
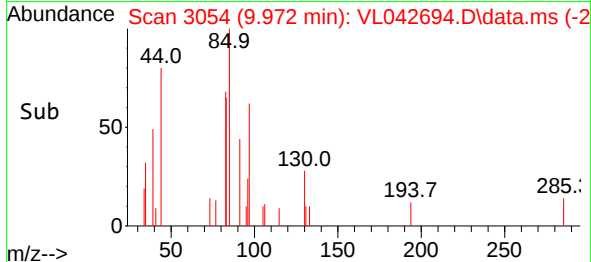
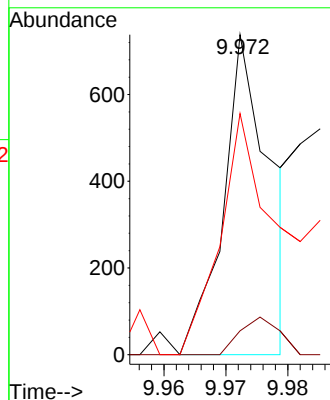
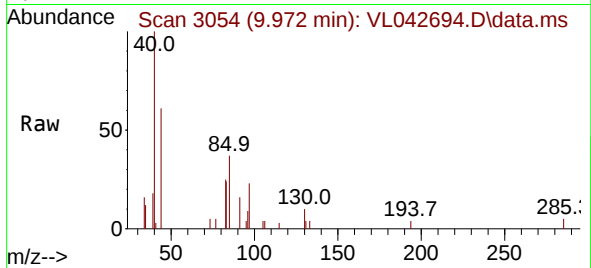




#63
1,1,2-Tetrachloroethane
Concen: 0.017 ppbv
RT: 9.972 min Scan# 3055
Delta R.T. -0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

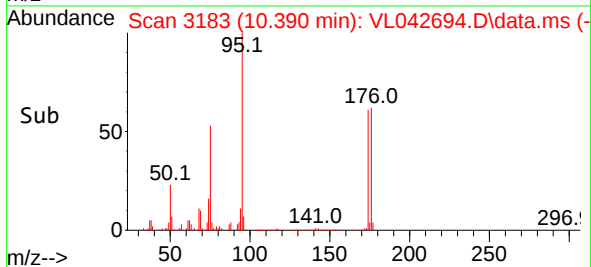
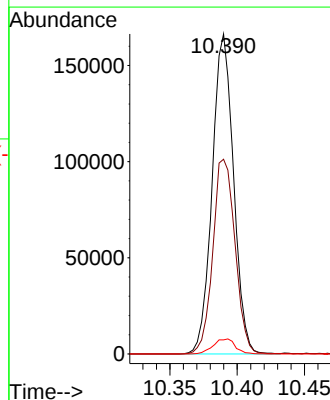
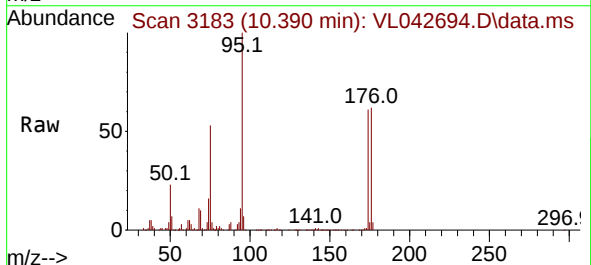
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

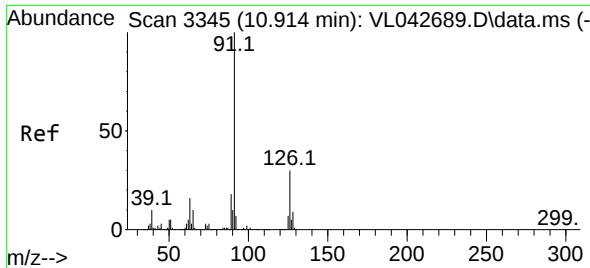
Tgt Ion: 83 Resp: 389
Ion Ratio Lower Upper
83 100
131 13.6 4.5 13.4#
85 135.2 31.5 94.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.571 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 95 Resp: 183435
Ion Ratio Lower Upper
95 100
174 63.7 51.2 76.8
175 4.9 3.8 5.8

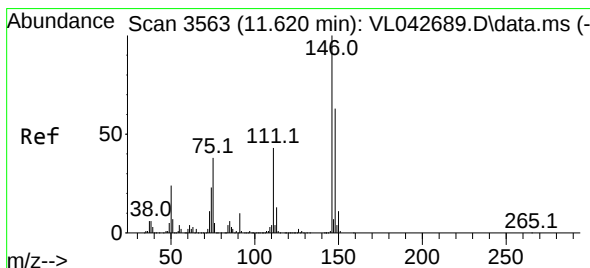
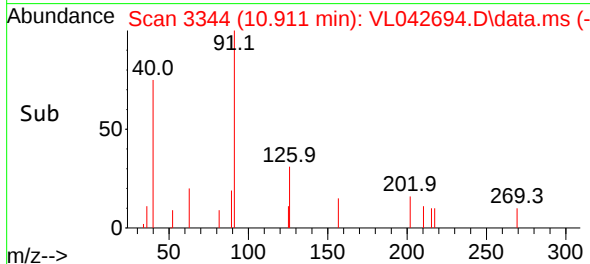
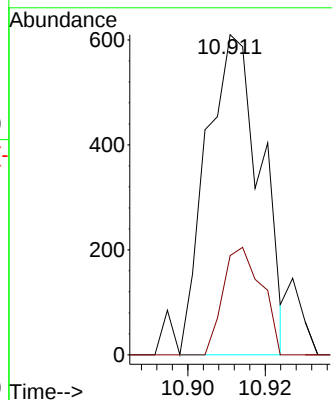
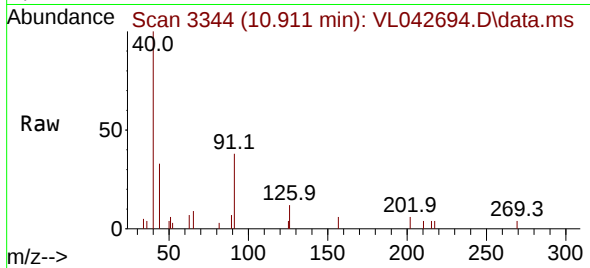




#71
2-Chlorotoluene
Concen: 0.018 ppbv
RT: 10.911 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

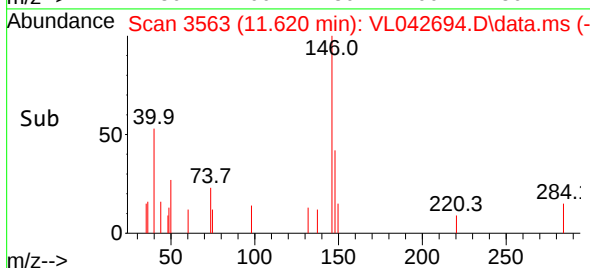
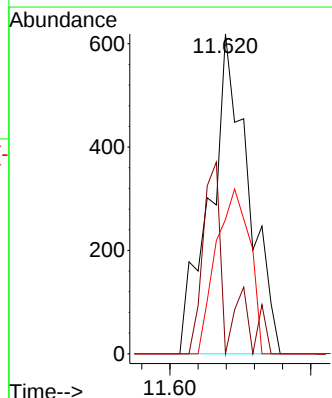
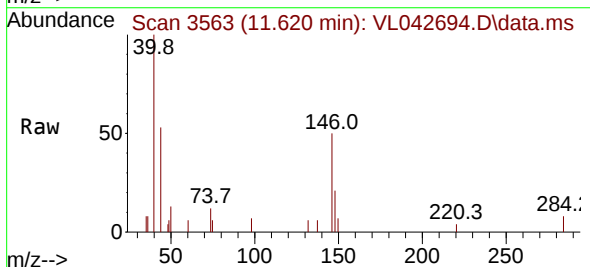
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

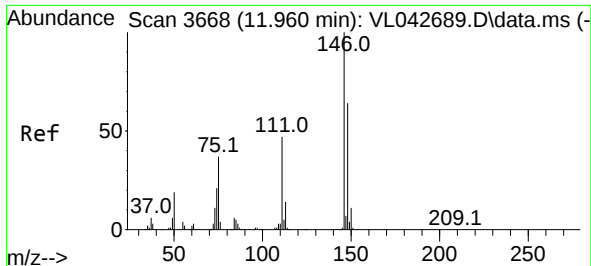
Tgt Ion: 91 Resp: 592
Ion Ratio Lower Upper
91 100
126 24.0 11.8 47.4



#75
1,3-Dichlorobenzene
Concen: 0.024 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion: 146 Resp: 582
Ion Ratio Lower Upper
146 100
111 36.6 21.6 65.0
148 45.5 31.6 94.7

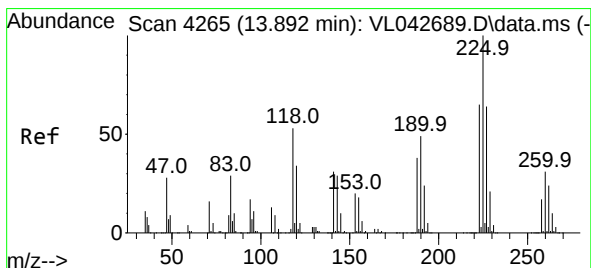
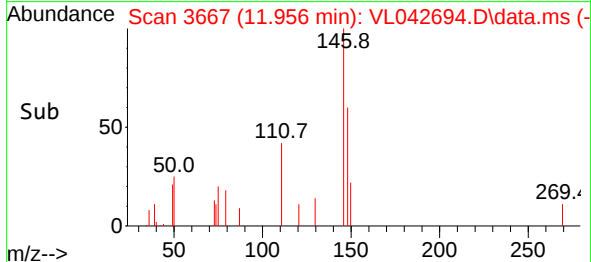
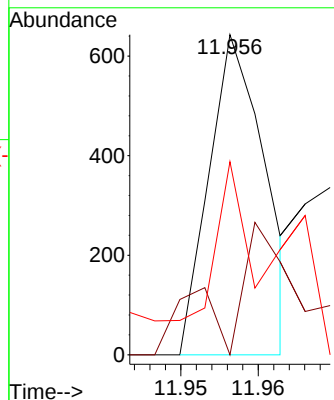
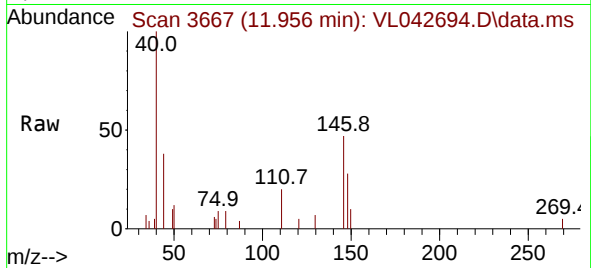




#77
1,2-Dichlorobenzene
Concen: 0.013 ppbv
RT: 11.956 min Scan# 3667
Delta R.T. -0.003 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion:	146	Resp:	325
Ion Ratio	Lower	Upper	
146	100		
111	52.9	22.9	68.8
148	83.1	31.9	95.7



#78
Hexachloro-1,3-Butadiene
Concen: 0.028 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.000 min
Lab File: VL042694.D
Acq: 02 Jul 2025 11:06

Tgt Ion:	225	Resp:	531
Ion Ratio	Lower	Upper	
225	100		
223	70.4	50.5	75.7
227	82.9	50.0	75.0

