

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
 Data File : VL043270.D
 Acq On : 20 Nov 2025 18:02
 Operator : SY/MD
 Sample : Q3698-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: Nov 21 00:41:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	104226	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	262002	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	222185	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	170603	10.475	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.800%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.496	85	7562	0.514	ppbv	97
3) Chlorodifluoromethane	1.842	51	1292	0.089	ppbv	93
4) Chloromethane	1.531	50	2453	0.446	ppbv #	83
6) Bromomethane	1.703	94	96	0.033	ppbv #	4
7) Chloroethane	1.703	64	83	0.035	ppbv #	77
8) Dichlorotetrafluoroethane	1.551	85	421	0.034	ppbv #	53
9) Propene	1.486	41	394823	64.313	ppbv #	6
10) Heptane	4.968	43	5780	0.316	ppbv #	84
11) Trichlorofluoromethane	1.874	101	4245	0.298	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	971	0.087	ppbv	93
13) Ethanol	1.719	45	43147	19.987	ppbv	98
15) Acetone	1.832	43	2648167	182.878	ppbv #	68
16) 1,3-Butadiene	1.619	39	279214	43.251	ppbv #	14
17) tert-Butyl alcohol	2.039	59	865	0.046	ppbv #	1
19) Isopropyl Alcohol	1.881	45	120618	14.741	ppbv #	36
20) Methylene Chloride	2.059	84	5103	0.446	ppbv	95
21) Allyl Chloride	1.962	41	24305	2.495	ppbv #	21
23) Vinyl Acetate	2.470	43	24703	1.413	ppbv #	48
25) Ethyl Acetate	2.819	43	23700	0.759	ppbv #	1
26) Hexane	2.819	57	18674	1.364	ppbv #	61
30) Cyclohexane	3.855	84	2372	0.207	ppbv #	76
31) cis-1,2-Dichloroethene	2.813	61	29420	2.162	ppbv #	26
34) 2-Butanone	2.554	43	16273	0.880	ppbv	98
35) Carbon Tetrachloride	3.755	117	597	0.030	ppbv #	20
36) Benzene	3.645	78	17039	0.679	ppbv	97
37) 1,2-Dichloroethane	2.813	62	43545	2.967	ppbv #	80
39) 1,2-Dichloropropane	3.949	63	68202	7.427	ppbv #	25
44) 2,2,4-Trimethylpentane	4.629	57	6710	0.156	ppbv #	9
52) Tetrachloroethene	8.205	164	283	0.030	ppbv #	54
53) Toluene	6.920	91	78010	2.626	ppbv	98
57) Chlorobenzene	8.862	112	1451	0.064	ppbv #	62
58) Ethyl Benzene	9.348	91	477084	11.156	ppbv	99
59) m/p-Xylene	9.522	91	1740919	50.776	ppbv	100
60) o-Xylene	9.953	91	543908	15.880	ppbv	99
61) Styrene	9.859	104	783	0.052	ppbv #	28
62) Isopropylbenzene	10.532	105	3375	0.055	ppbv	98
65) tert-Butylbenzene	11.529	119	1996	0.036	ppbv #	22
72) 4-Ethyltoluene	11.115	105	5206	0.125	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.196	105	4045	0.116	ppbv	91
74) 1,2,4-Trimethylbenzene	11.526	105	15663	0.410	ppbv #	47
79) Naphthalene	13.510	128	1770	0.052	ppbv #	95
80) Naphthalene,2-methyl-	14.455	142	428	0.048	ppbv #	86

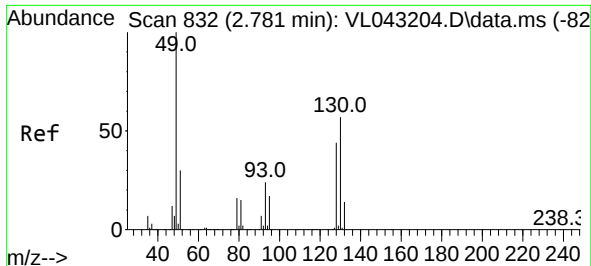
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043270.D
Acq On : 20 Nov 2025 18:02
Operator : SY/MD
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IA1

Quant Time: Nov 21 00:41:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

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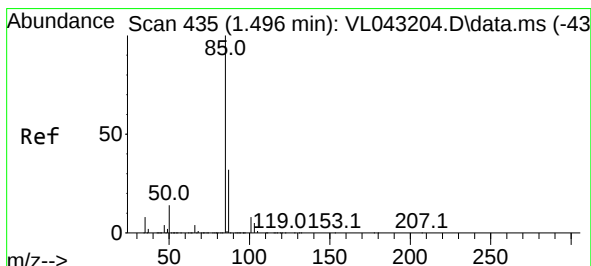
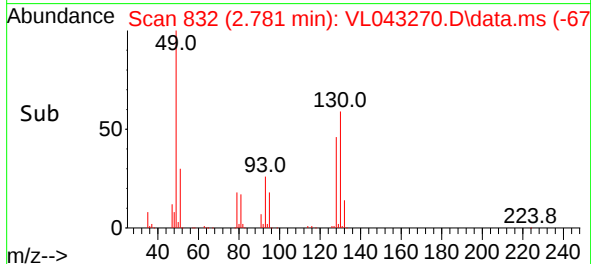
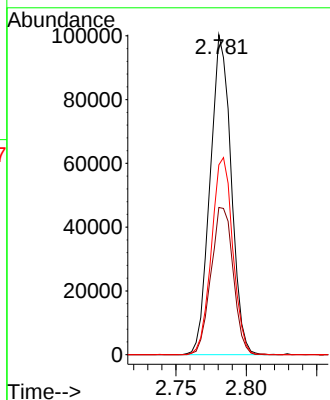
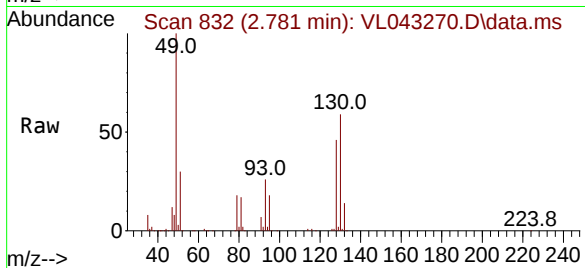
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 832
Delta R.T. -0.000 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

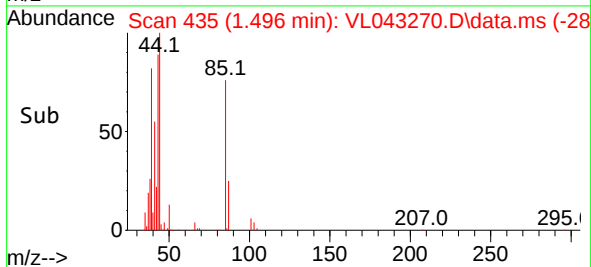
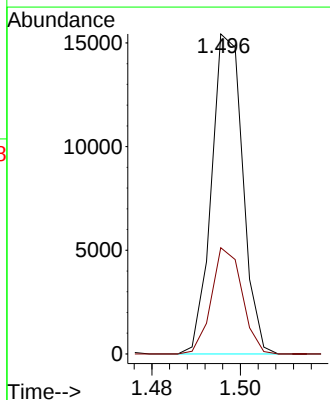
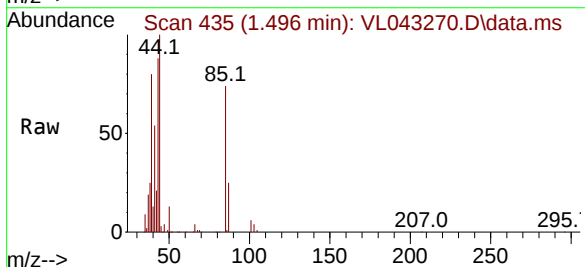
Instrument :
MSVOA_L
ClientSampleId :
IA1

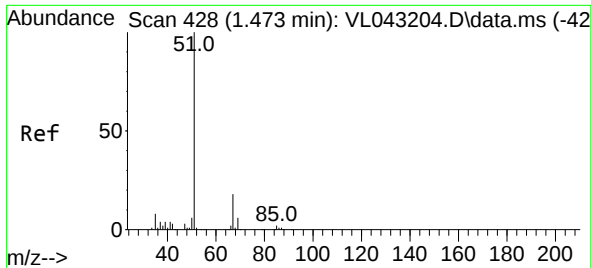
Tgt Ion: 49 Resp: 104226
Ion Ratio Lower Upper
49 100
128 48.5 23.0 69.0
130 62.4 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 0.514 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion: 85 Resp: 7562
Ion Ratio Lower Upper
85 100
87 33.2 25.4 38.2

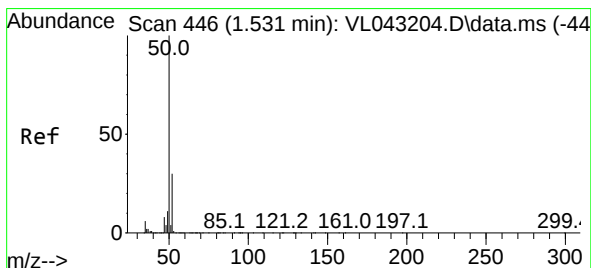
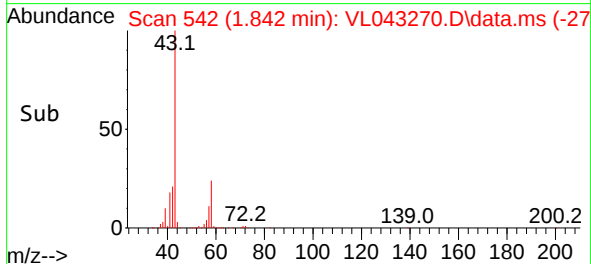
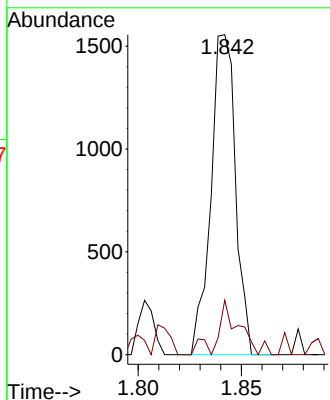
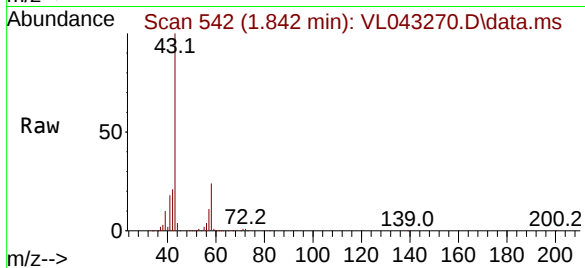




#3
Chlorodifluoromethane
Concen: 0.089 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.369 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

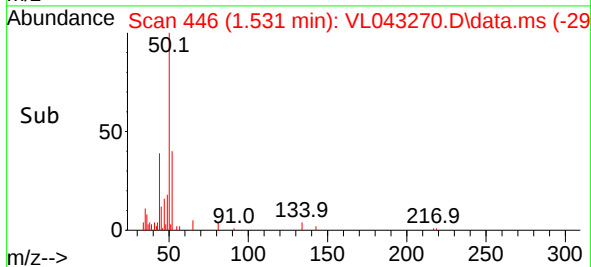
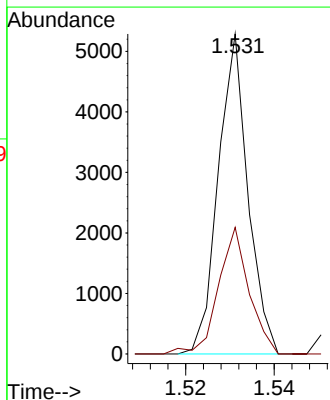
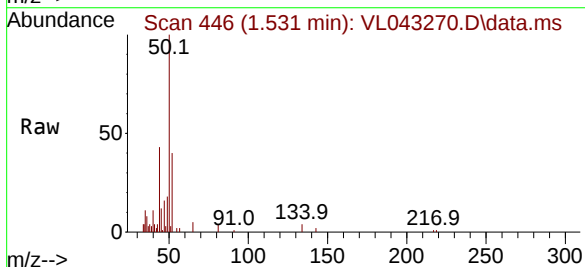
Instrument :
MSVOA_L
ClientSampleId :
IA1

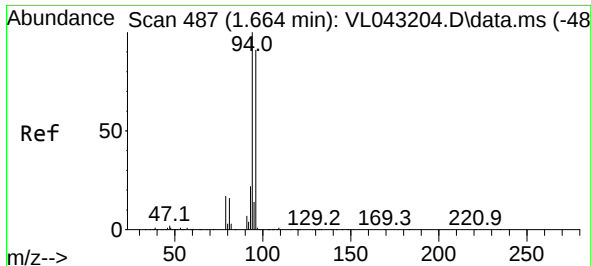
Tgt Ion: 51 Resp: 1292
Ion Ratio Lower Upper
51 100
67 15.4 14.9 22.3



#4
Chloromethane
Concen: 0.446 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion: 50 Resp: 2453
Ion Ratio Lower Upper
50 100
52 39.5 24.1 36.1#

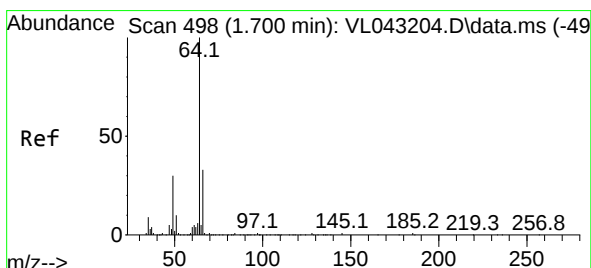
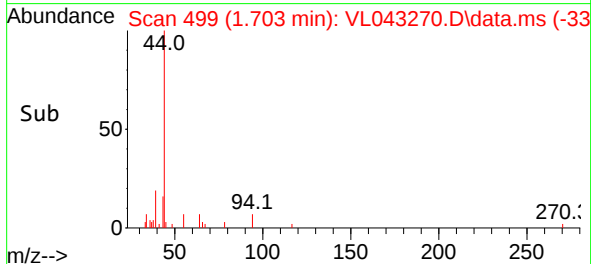
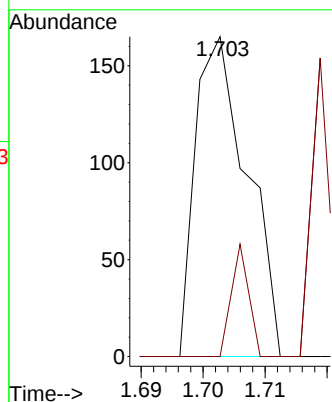
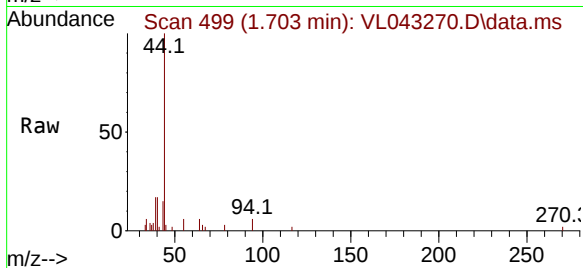




#6
Bromomethane
Concen: 0.033 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.039 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

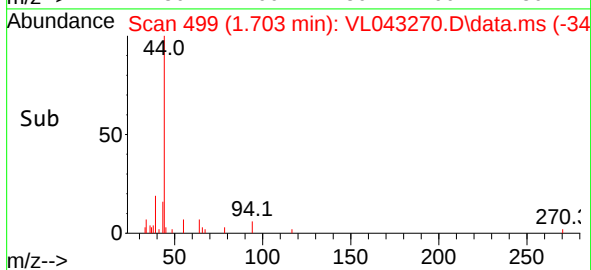
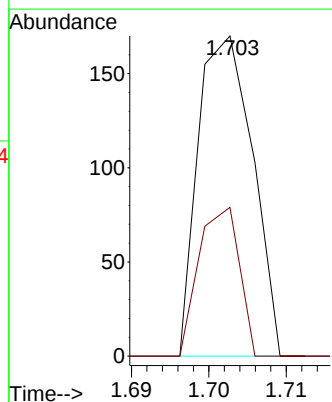
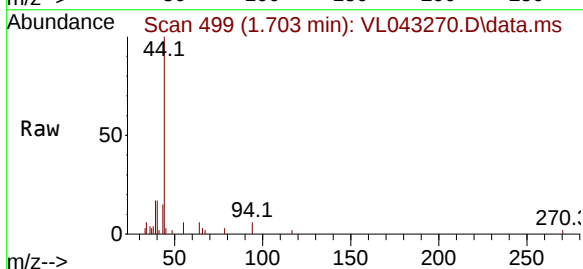
Instrument :
MSVOA_L
ClientSampleId :
IA1

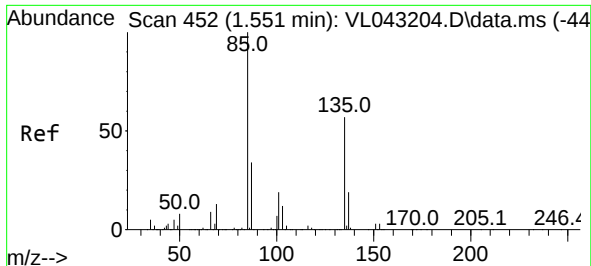
Tgt Ion: 94 Resp: 96
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#7
Chloroethane
Concen: 0.035 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion: 64 Resp: 83
Ion Ratio Lower Upper
64 100
66 46.5 26.8 40.2#

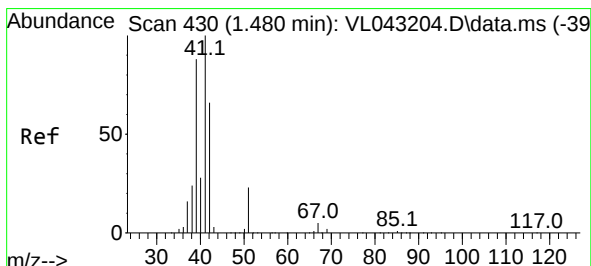
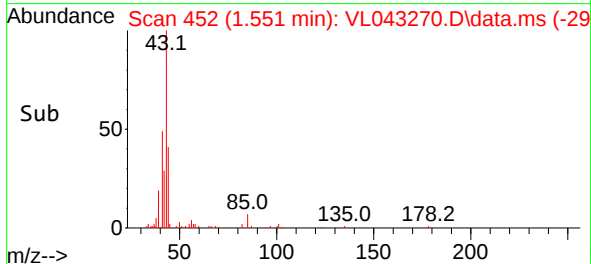
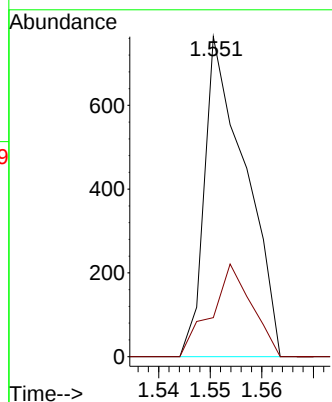
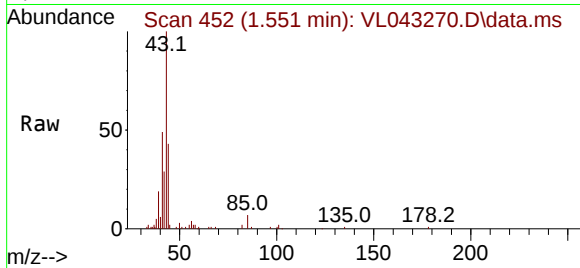




#8
 Dichlorotetrafluoroethane
 Concen: 0.034 ppbv
 RT: 1.551 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043270.D
 Acq: 20 Nov 2025 18:02

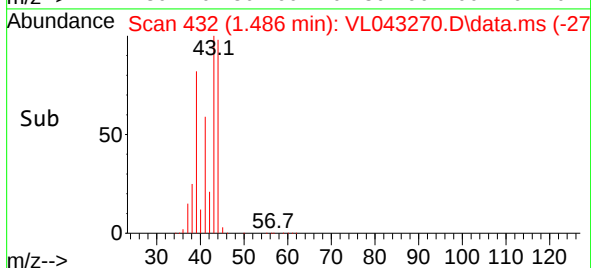
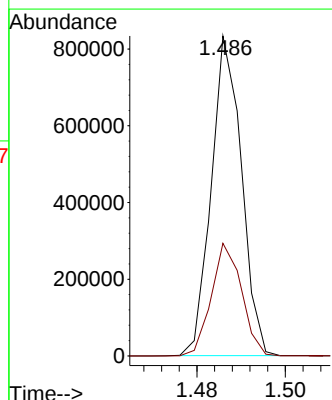
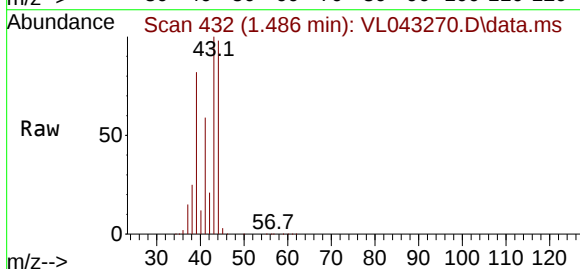
Instrument :
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 ClientSampleId :
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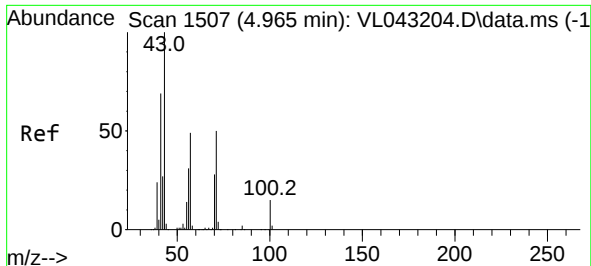
Tgt Ion: 85 Resp: 421
 Ion Ratio Lower Upper
 85 100
 135 28.5 52.6 79.0#



#9
 Propene
 Concen: 64.313 ppbv
 RT: 1.486 min Scan# 432
 Delta R.T. 0.006 min
 Lab File: VL043270.D
 Acq: 20 Nov 2025 18:02

Tgt Ion: 41 Resp: 394823
 Ion Ratio Lower Upper
 41 100
 42 35.5 3.7 5.5#





#10

Heptane

Concen: 0.316 ppbv

RT: 4.968 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL043270.D

Acq: 20 Nov 2025 18:02

Instrument :

MSVOA_L

ClientSampleId :

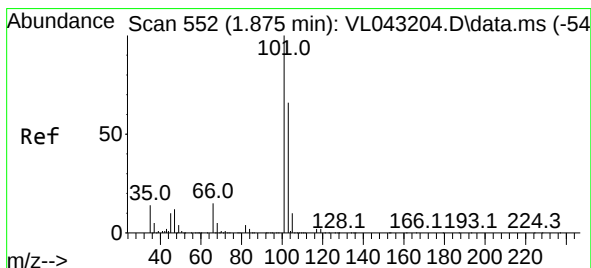
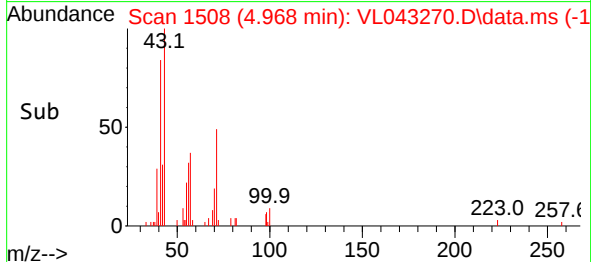
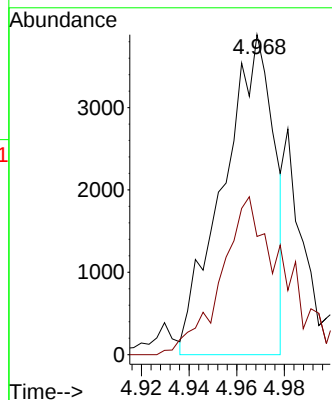
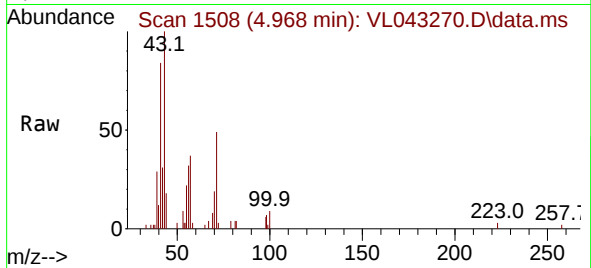
IA1

Tgt Ion: 43 Resp: 5780

Ion Ratio Lower Upper

43 100

57 60.9 39.7 59.5#



#11

Trichlorofluoromethane

Concen: 0.298 ppbv

RT: 1.874 min Scan# 552

Delta R.T. -0.000 min

Lab File: VL043270.D

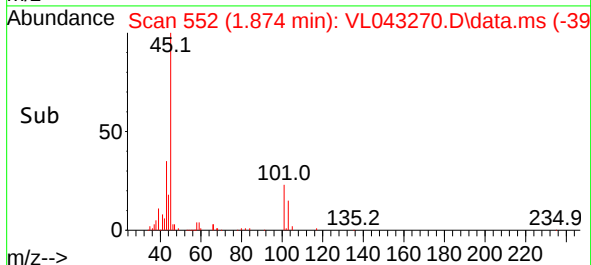
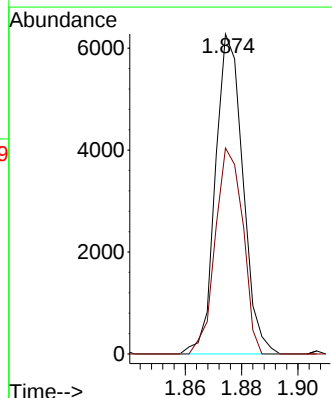
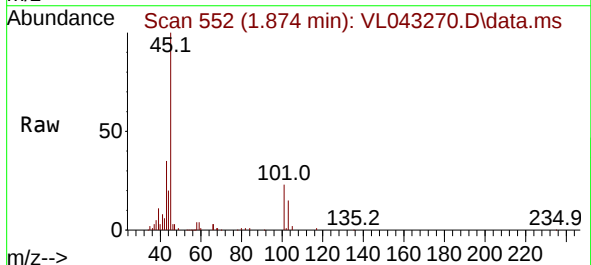
Acq: 20 Nov 2025 18:02

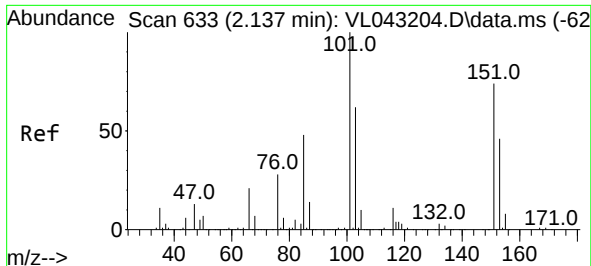
Tgt Ion: 101 Resp: 4245

Ion Ratio Lower Upper

101 100

103 64.4 52.6 79.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.087 ppbv

RT: 2.136 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL043270.D

Acq: 20 Nov 2025 18:02

Instrument :

MSVOA_L

ClientSampleId :

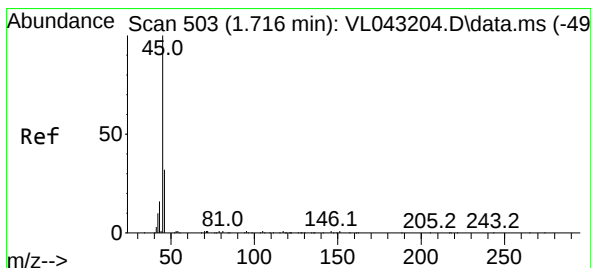
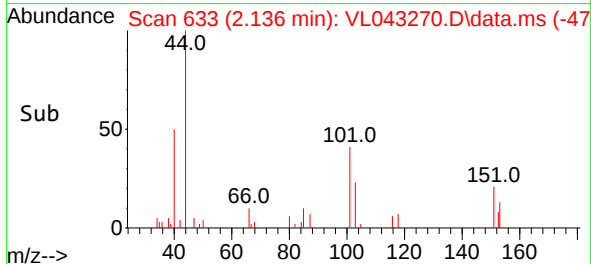
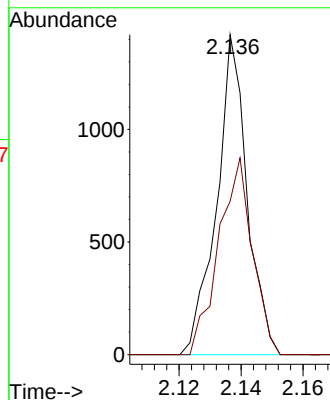
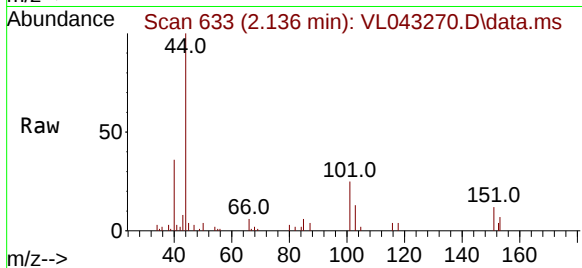
IA1

Tgt Ion:101 Resp: 971

Ion Ratio Lower Upper

101 100

151 68.2 59.2 88.8



#13

Ethanol

Concen: 19.987 ppbv

RT: 1.719 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL043270.D

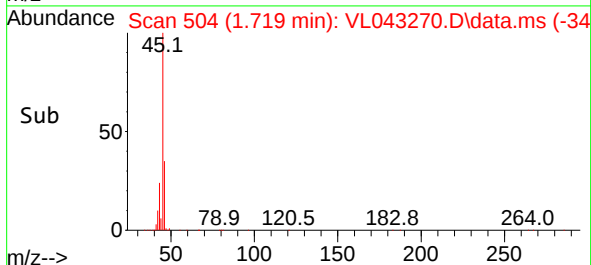
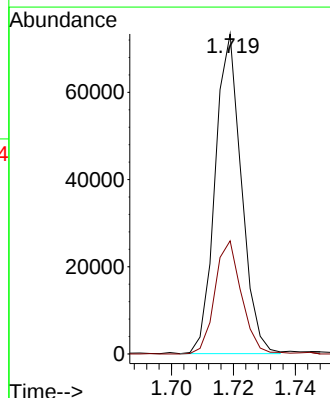
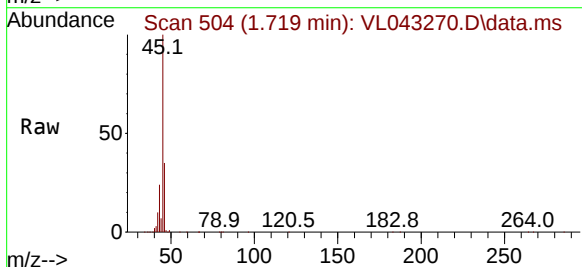
Acq: 20 Nov 2025 18:02

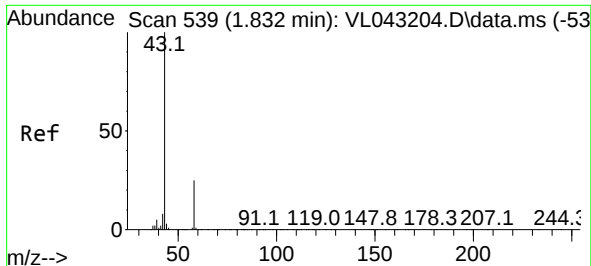
Tgt Ion: 45 Resp: 43147

Ion Ratio Lower Upper

45 100

46 36.3 15.0 59.8

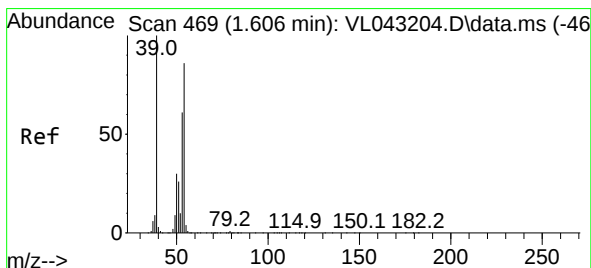
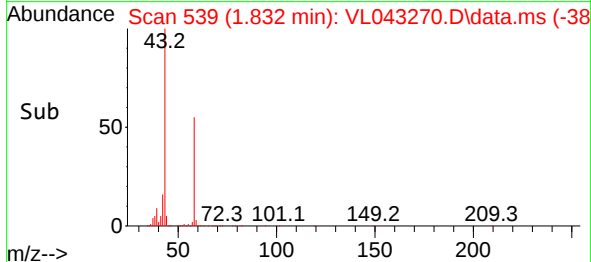
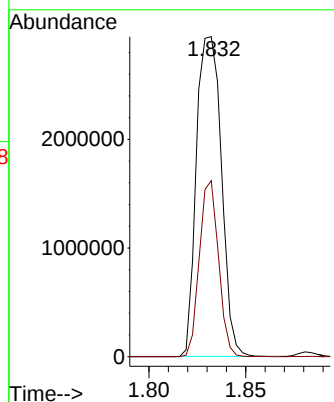
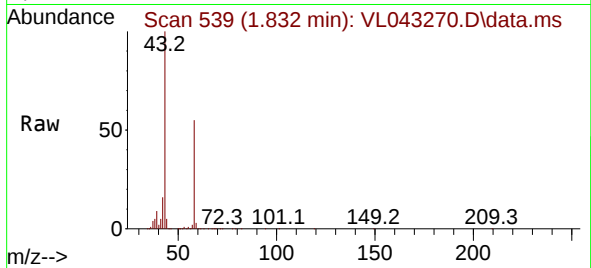




#15
Acetone
Concen: 182.878 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

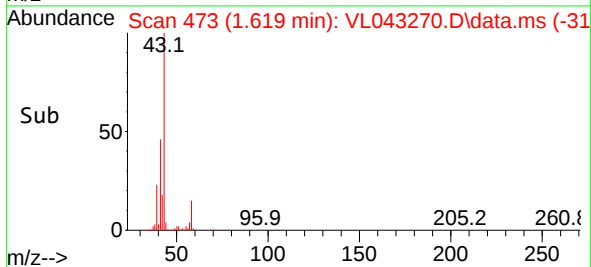
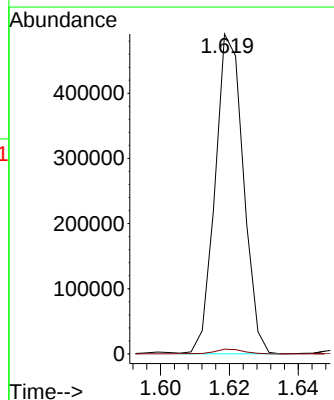
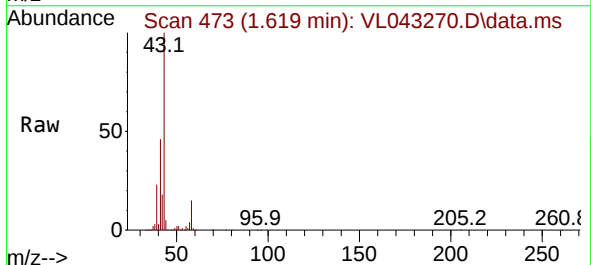
Instrument :
MSVOA_L
ClientSampleId :
IA1

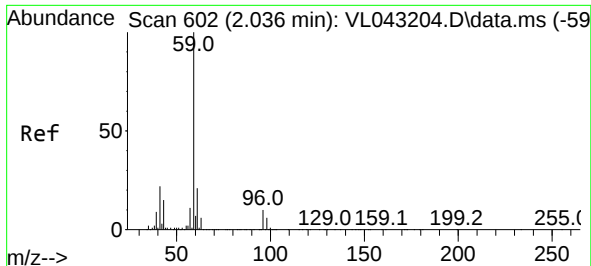
Tgt Ion: 43 Resp: 2648167
Ion Ratio Lower Upper
43 100
58 42.2 20.7 31.1#



#16
1,3-Butadiene
Concen: 43.251 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.013 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion: 39 Resp: 279214
Ion Ratio Lower Upper
39 100
54 1.7 59.4 89.2#





#17

tert-Butyl alcohol

Concen: 0.046 ppbv

RT: 2.039 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL043270.D

Acq: 20 Nov 2025 18:02

Instrument :

MSVOA_L

ClientSampleId :

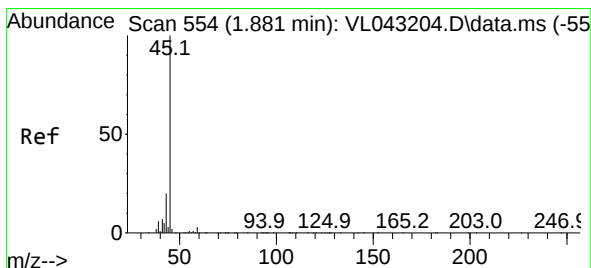
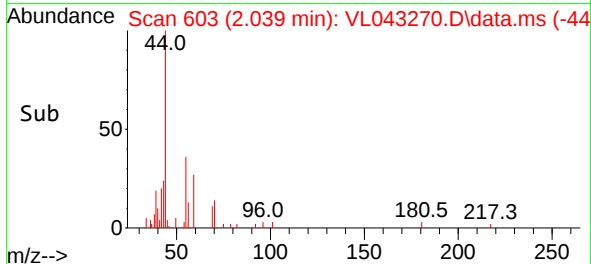
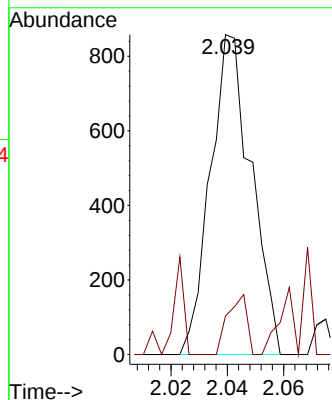
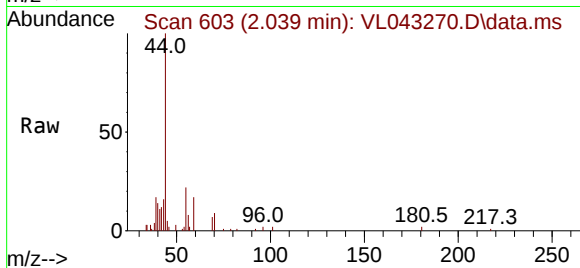
IA1

Tgt Ion: 59 Resp: 865

Ion Ratio Lower Upper

59 100

57 741.2 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 14.741 ppbv

RT: 1.881 min Scan# 554

Delta R.T. -0.000 min

Lab File: VL043270.D

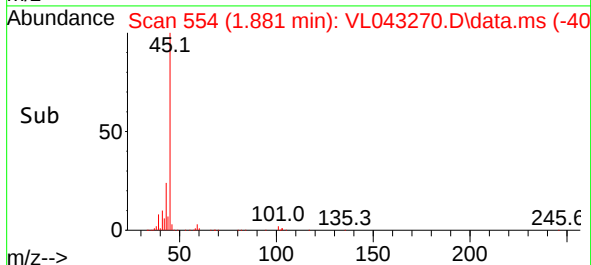
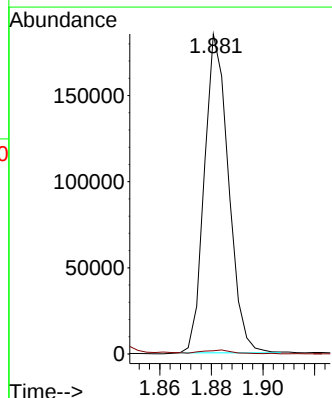
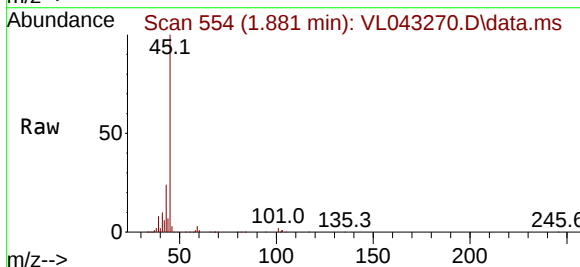
Acq: 20 Nov 2025 18:02

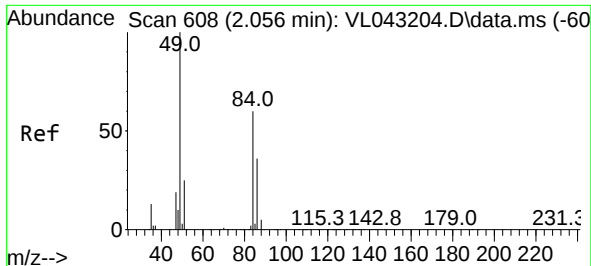
Tgt Ion: 45 Resp: 120618

Ion Ratio Lower Upper

45 100

58 0.0 31.3 46.9#



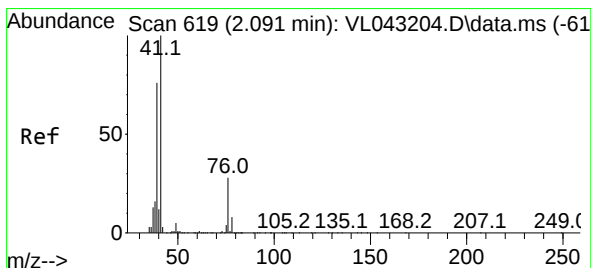
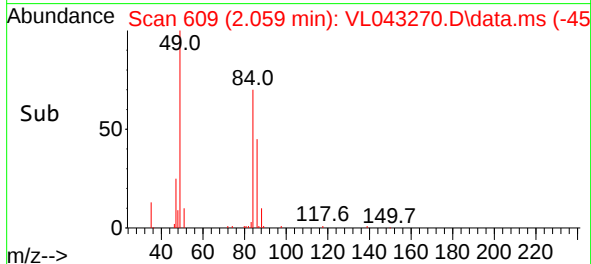
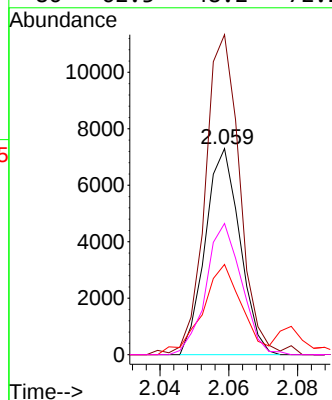
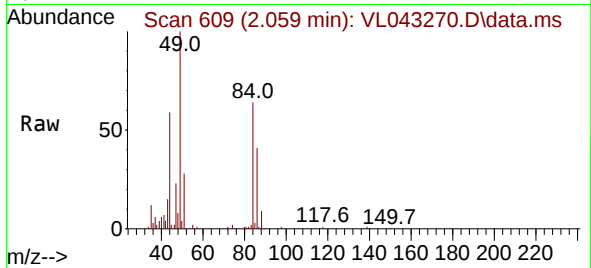


#20
Methylene Chloride
Concen: 0.446 ppbv
RT: 2.059 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 84 Resp: 5103

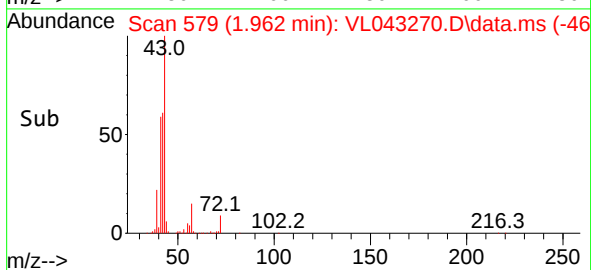
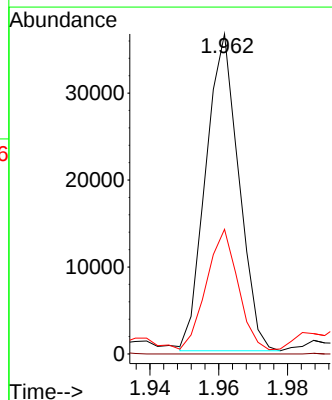
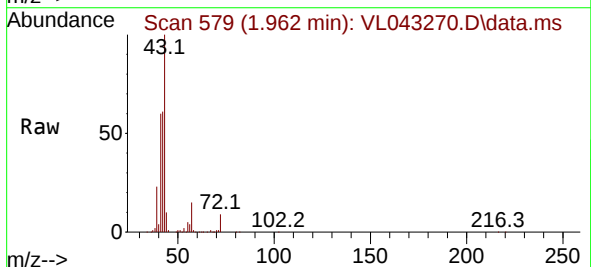
Ion	Ratio	Lower	Upper
84	100		
49	159.1	132.9	199.3
51	40.3	34.8	52.2
86	62.3	48.2	72.2

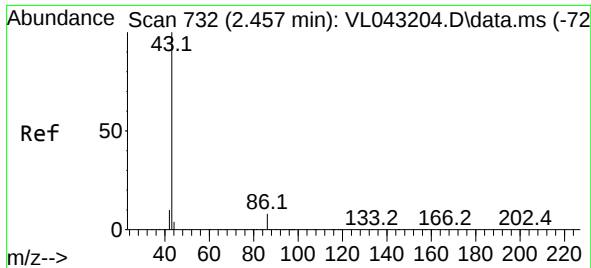


#21
Allyl Chloride
Concen: 2.495 ppbv
RT: 1.962 min Scan# 579
Delta R.T. -0.130 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion: 41 Resp: 24305

Ion	Ratio	Lower	Upper
41	100		
76	0.3	22.1	33.1#
39	0.0	61.0	91.4#

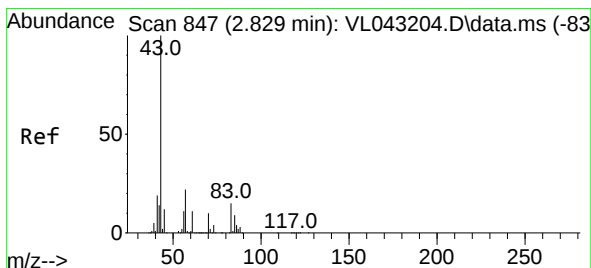
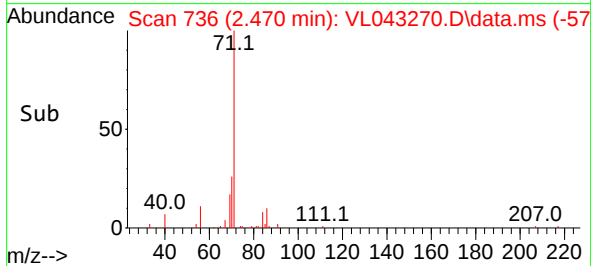
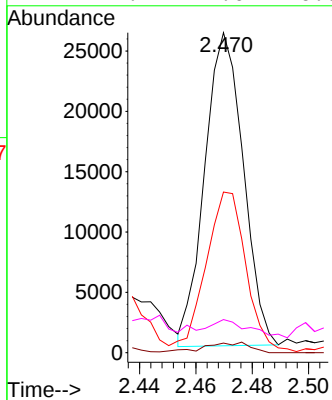
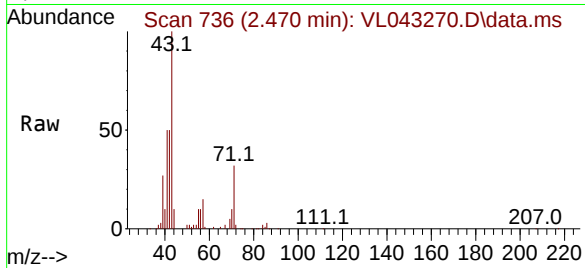




#23
 Vinyl Acetate
 Concen: 1.413 ppbv
 RT: 2.470 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VL043270.D
 Acq: 20 Nov 2025 18:02

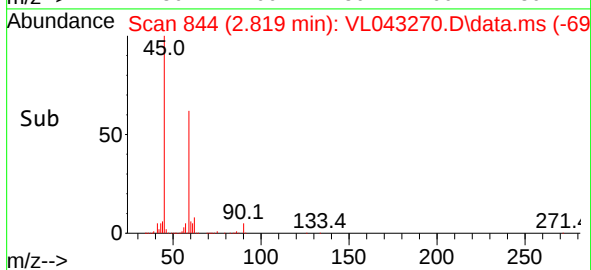
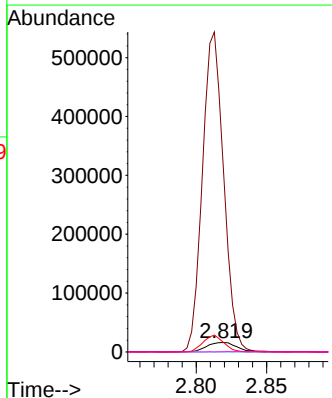
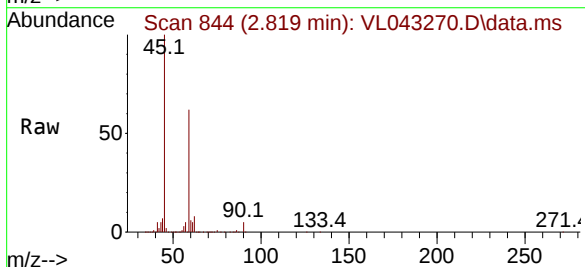
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

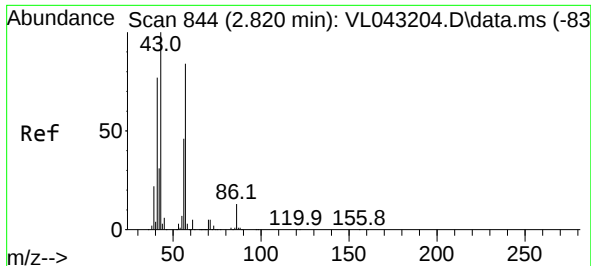
Tgt	Ion: 43	Resp:	24703
Ion	Ratio	Lower	Upper
43	100		
86	3.1	6.2	9.2#
42	49.9	8.0	12.0#
44	4.7	4.0	6.0



#25
 Ethyl Acetate
 Concen: 0.759 ppbv
 RT: 2.819 min Scan# 844
 Delta R.T. -0.010 min
 Lab File: VL043270.D
 Acq: 20 Nov 2025 18:02

Tgt Ion: 43	Resp: 23700
Ion Ratio	Lower Upper
43 100	
45 2412.4	8.1 12.1#
61 125.4	7.0 10.4#
70 2.6	7.0 10.6#

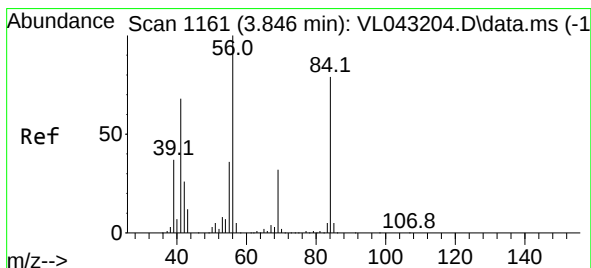
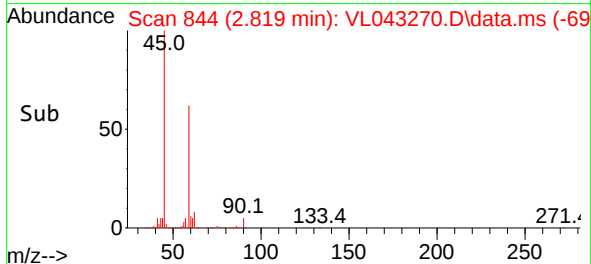
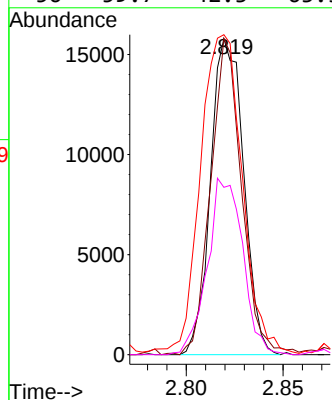
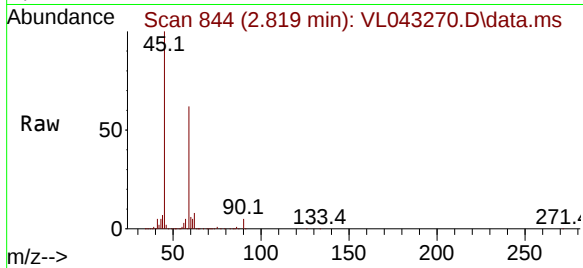




#26
Hexane
Concen: 1.364 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

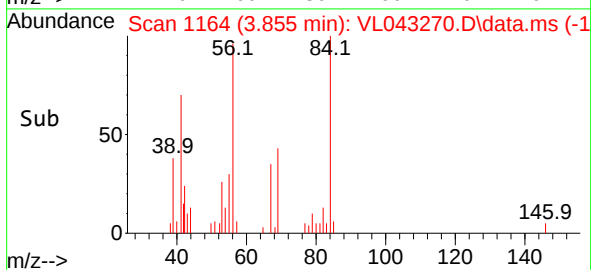
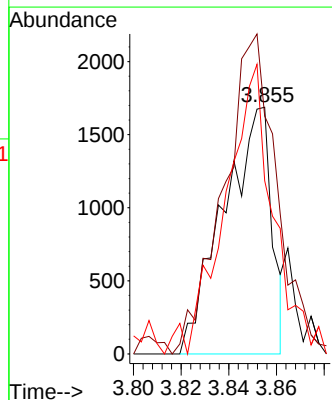
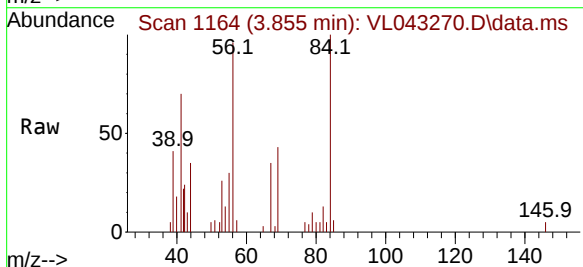
Instrument :
MSVOA_L
ClientSampleId :
IA1

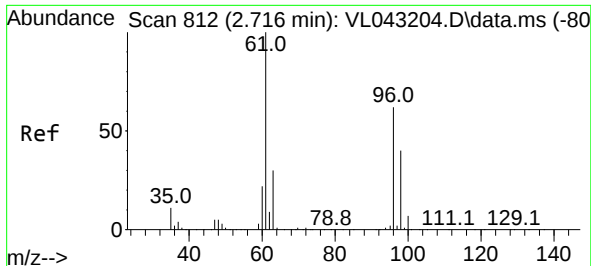
Tgt Ion: 57	Resp: 18674		
Ion	Ratio	Lower	Upper
57	100		
41	95.2	74.6	111.8
43	124.5	179.0	268.4#
56	59.7	42.3	63.5



#30
Cyclohexane
Concen: 0.207 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.009 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion: 84	Resp: 2372		
Ion Ratio	Lower	Upper	
84 100			
56 145.5	104.7	157.1	
41 123.5	69.0	103.6#	

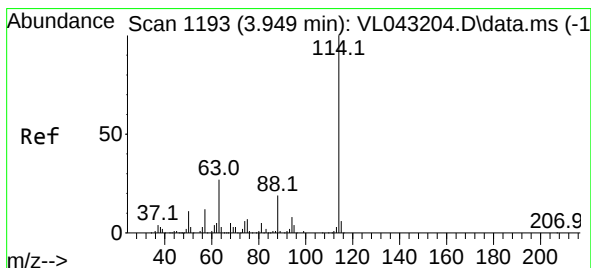
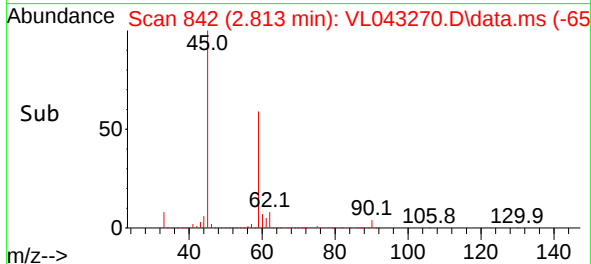
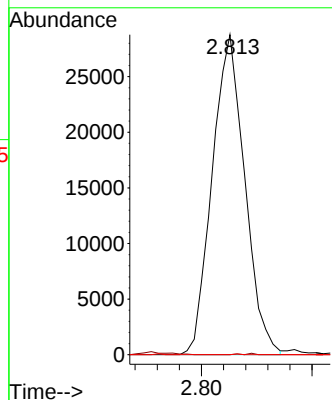
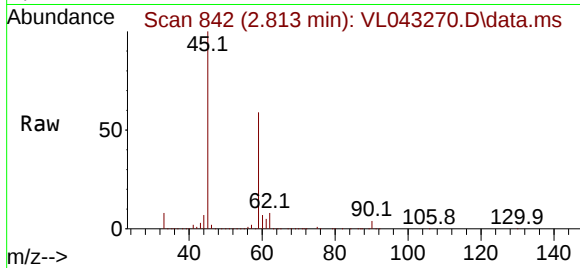




#31
 cis-1,2-Dichloroethene
 Concen: 2.162 ppbv
 RT: 2.813 min Scan# 842
 Delta R.T. 0.097 min
 Lab File: VL043270.D
 Acq: 20 Nov 2025 18:02

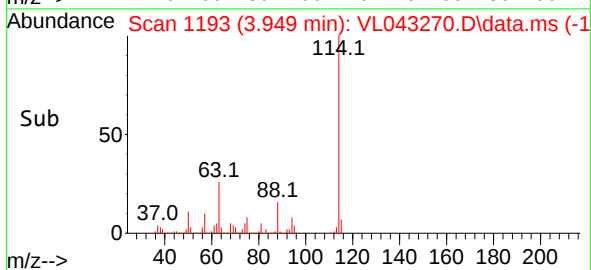
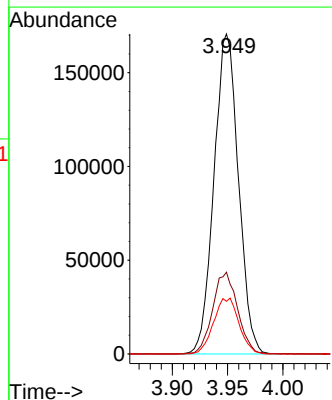
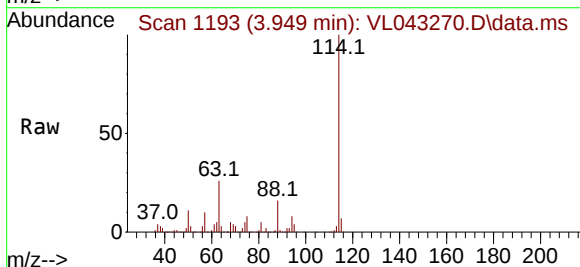
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

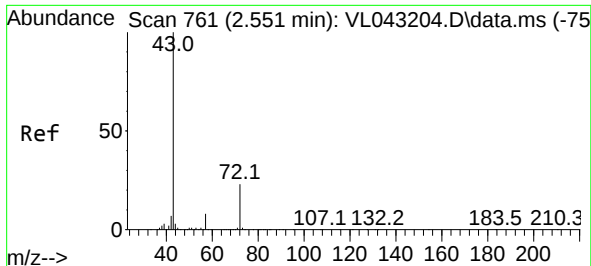
Tgt Ion: 61 Resp: 29420
 Ion Ratio Lower Upper
 61 100
 96 0.0 49.3 73.9#
 98 0.0 32.1 48.1#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.949 min Scan# 1193
 Delta R.T. -0.000 min
 Lab File: VL043270.D
 Acq: 20 Nov 2025 18:02

Tgt Ion: 114 Resp: 262002
 Ion Ratio Lower Upper
 114 100
 63 26.1 21.0 31.6
 88 18.2 14.9 22.3

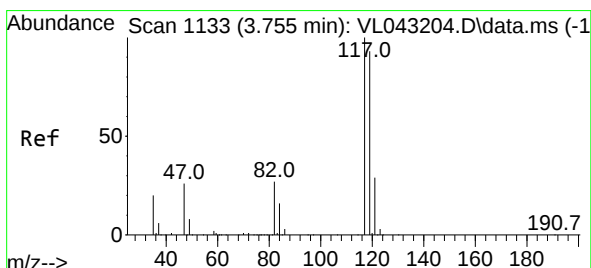
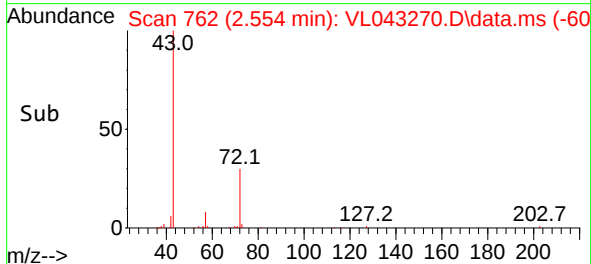
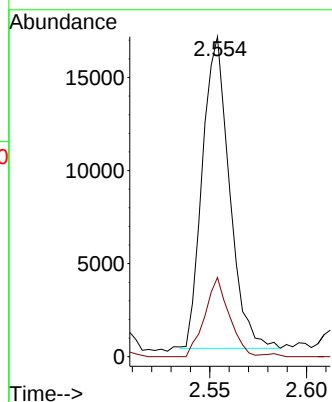
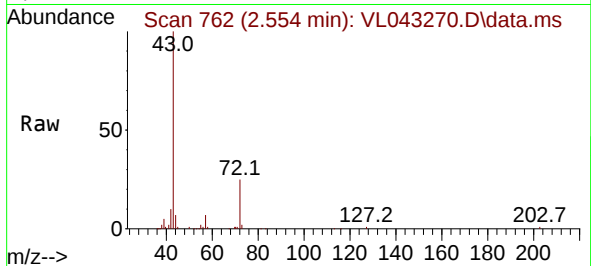




#34
2-Butanone
Concen: 0.880 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.003 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

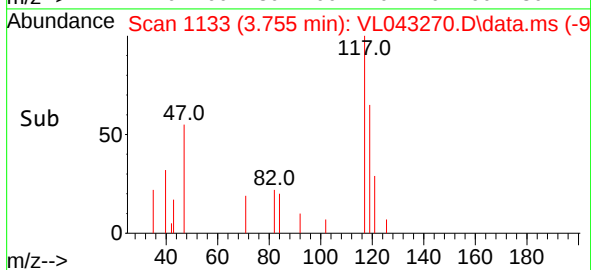
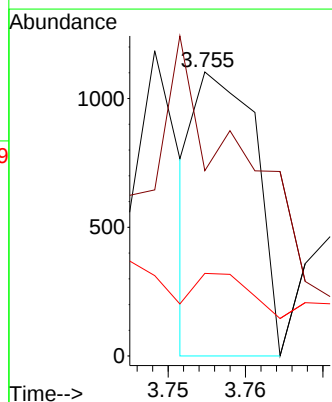
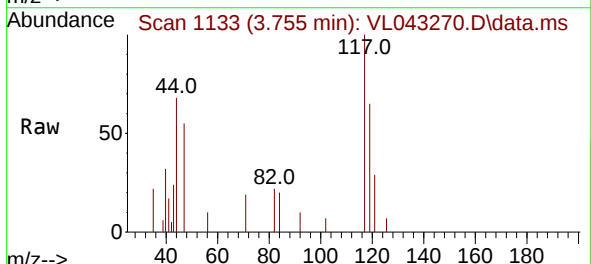
Instrument :
MSVOA_L
ClientSampleId :
IA1

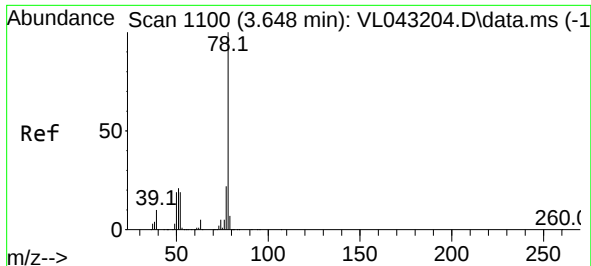
Tgt Ion: 43 Resp: 16273
Ion Ratio Lower Upper
43 100
72 23.5 18.1 27.1



#35
Carbon Tetrachloride
Concen: 0.030 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion: 117 Resp: 597
Ion Ratio Lower Upper
117 100
119 0.3 74.6 112.0#
121 15.9 23.2 34.8#

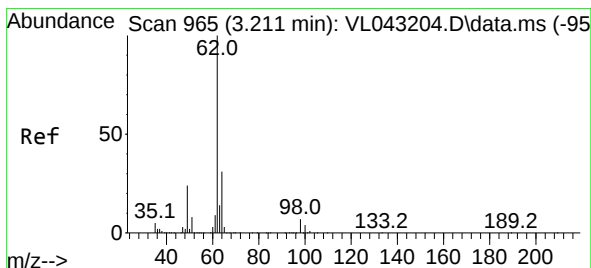
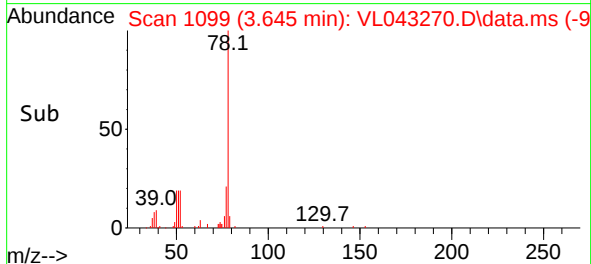
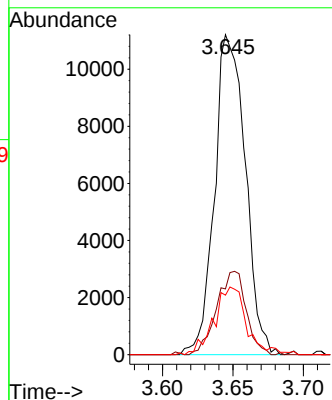
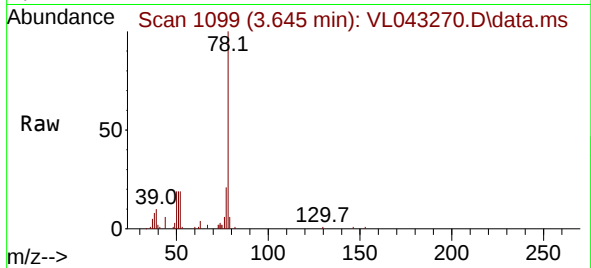




#36
Benzene
Concen: 0.679 ppbv
RT: 3.645 min Scan# 1100
Delta R.T. -0.003 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

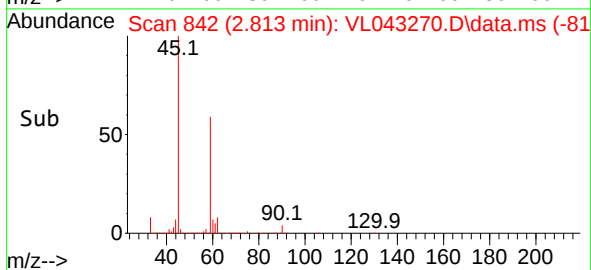
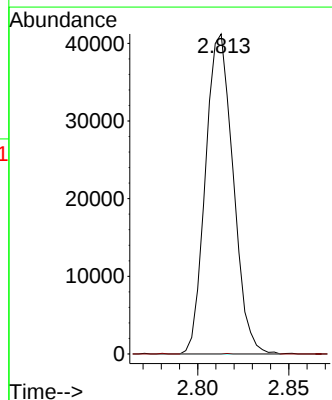
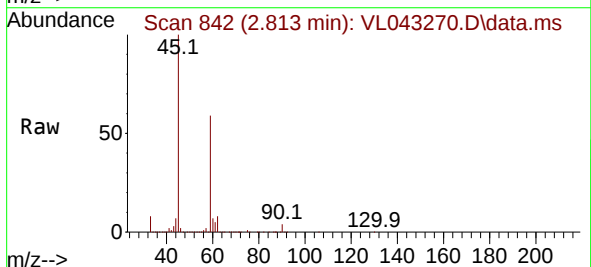
Instrument :
MSVOA_L
ClientSampleId :
IA1

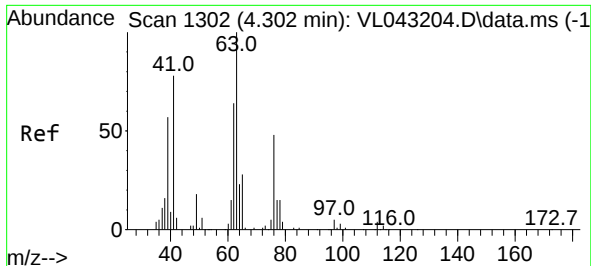
Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.1	17.5	26.3
50	18.0	15.5	23.3



#37
1,2-Dichloroethane
Concen: 2.967 ppbv
RT: 2.813 min Scan# 842
Delta R.T. -0.398 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.5	8.3#





#39

1,2-Dichloropropane

Concen: 7.427 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.353 min

Lab File: VL043270.D

Acq: 20 Nov 2025 18:02

Instrument :

MSVOA_L

ClientSampleId :

IA1

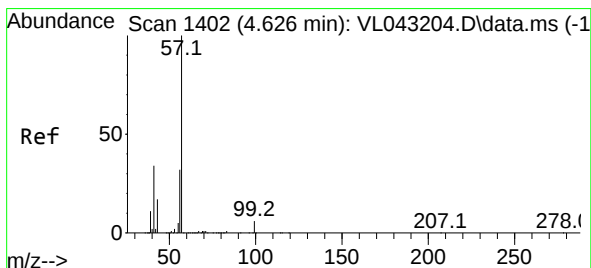
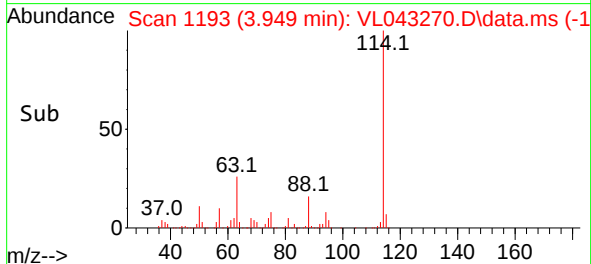
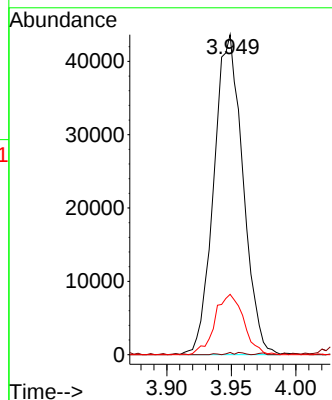
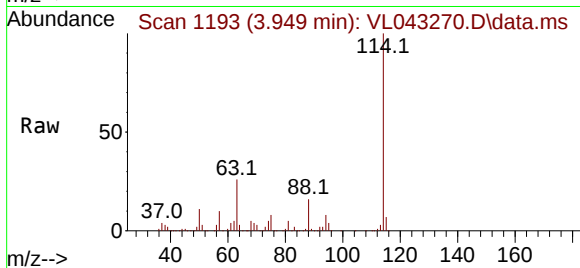
Tgt Ion: 63 Resp: 68202

Ion Ratio Lower Upper

63 100

41 0.7 62.6 93.8#

62 18.8 51.0 76.6#



#44

2,2,4-Trimethylpentane

Concen: 0.156 ppbv

RT: 4.629 min Scan# 1403

Delta R.T. 0.003 min

Lab File: VL043270.D

Acq: 20 Nov 2025 18:02

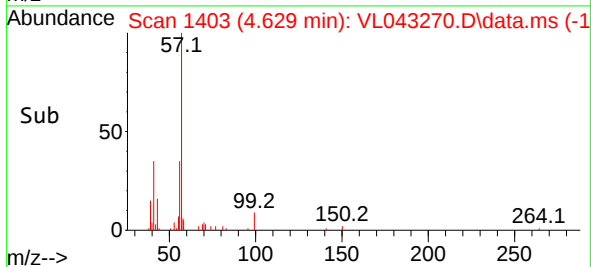
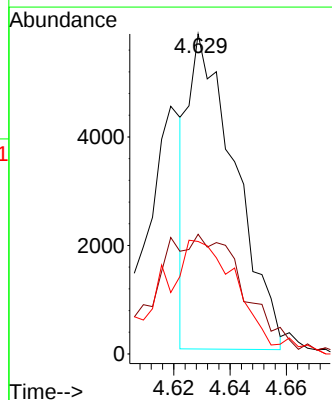
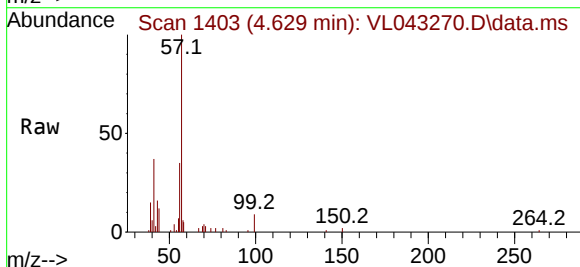
Tgt Ion: 57 Resp: 6710

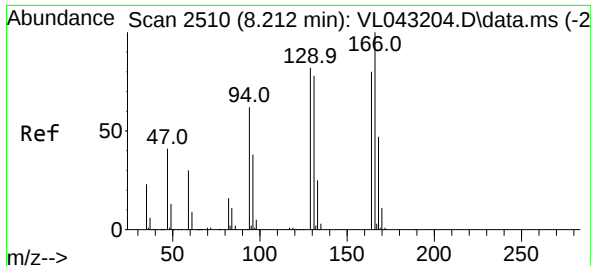
Ion Ratio Lower Upper

57 100

41 89.8 28.0 42.0#

56 80.3 25.6 38.4#

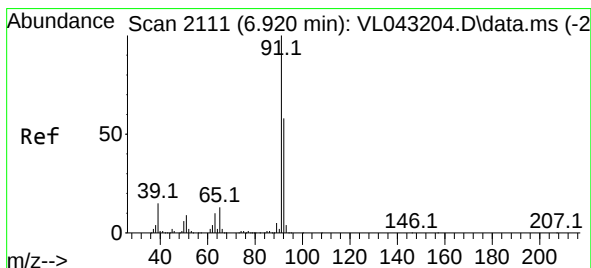
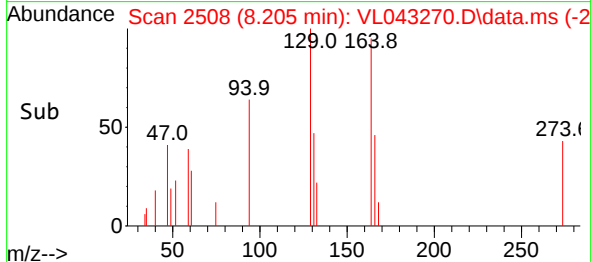
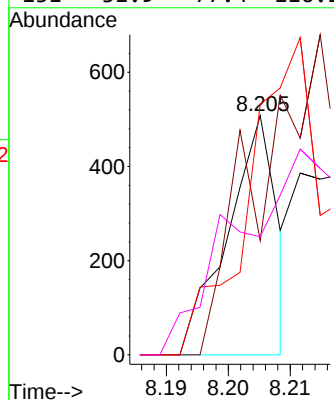
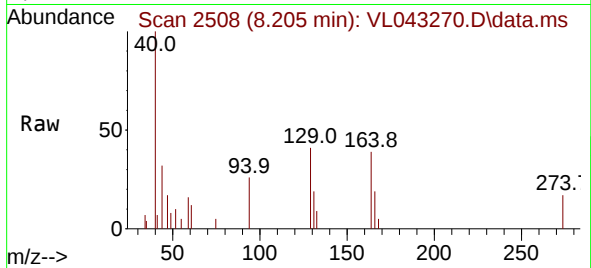




#52
Tetrachloroethene
Concen: 0.030 ppbv
RT: 8.205 min Scan# 2110
Delta R.T. -0.007 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

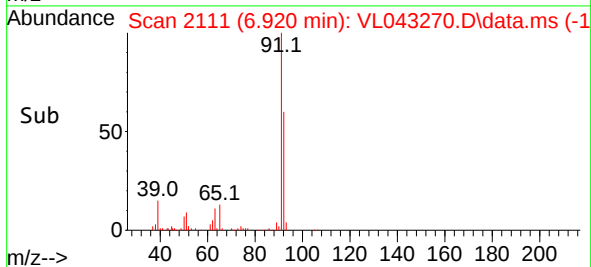
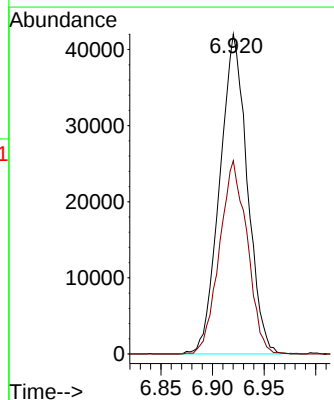
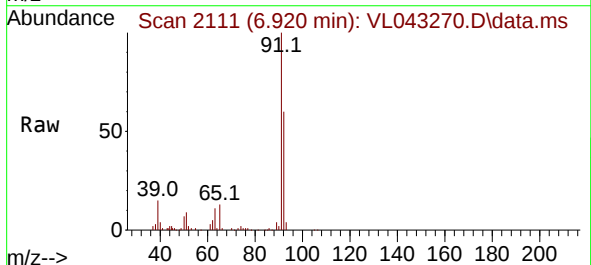
Instrument :
MSVOA_L
ClientSampleId :
IA1

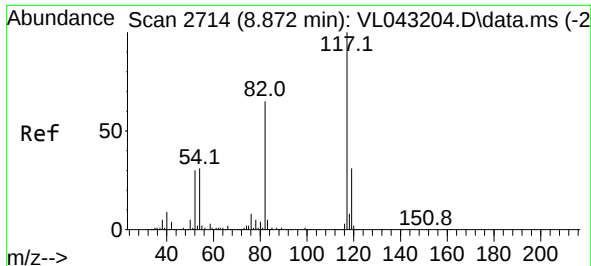
Tgt Ion:	164	Resp:	283
Ion	Ratio	Lower	Upper
164	100		
166	47.8	99.4	149.2#
129	104.7	81.8	122.8
131	31.9	77.4	116.2#



#53
Toluene
Concen: 2.626 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion:	91	Resp:	78010
Ion	Ratio	Lower	Upper
91	100		
92	60.9	47.4	71.0

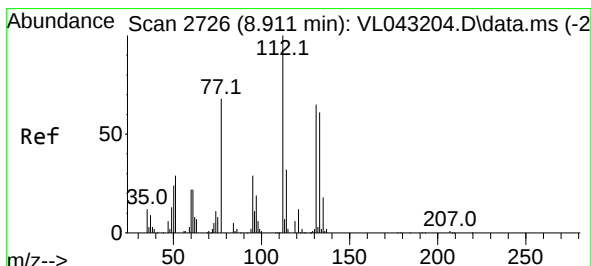
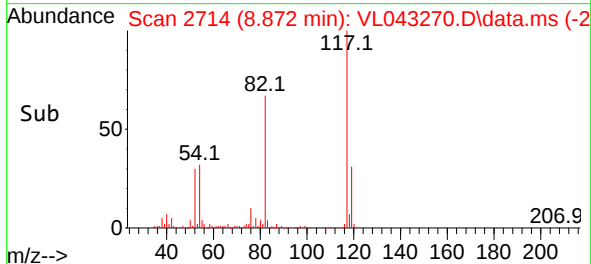
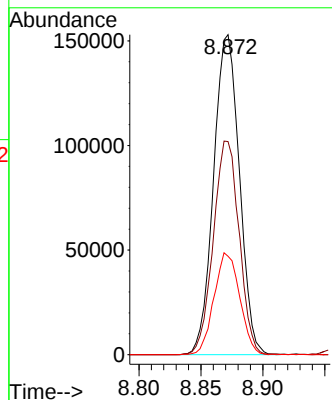
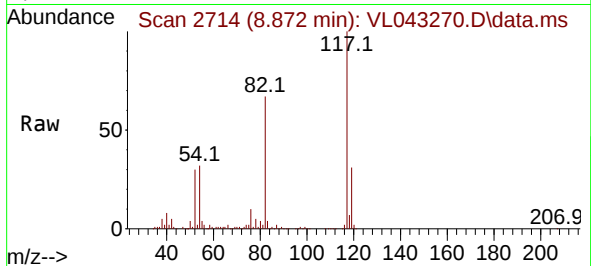




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2711
Delta R.T. -0.000 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

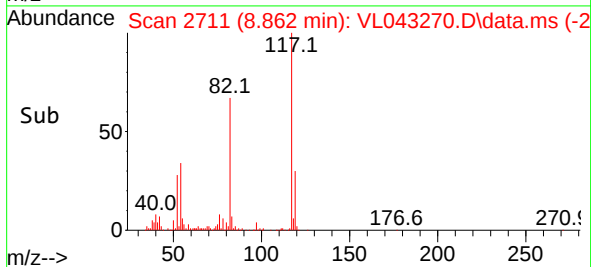
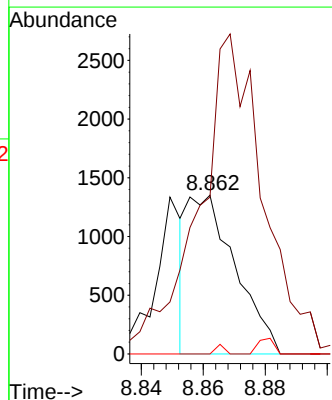
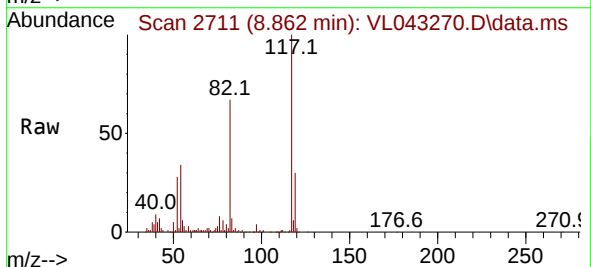
Instrument :
MSVOA_L
ClientSampleId :
IA1

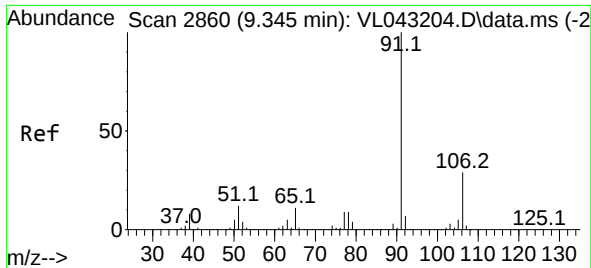
Tgt Ion:117 Resp: 222185
Ion Ratio Lower Upper
117 100
82 66.9 56.1 84.1
119 31.7 25.0 37.6



#57
Chlorobenzene
Concen: 0.064 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. -0.049 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion:112 Resp: 1451
Ion Ratio Lower Upper
112 100
77 46.1 55.5 83.3#
114 0.0 29.1 35.5#

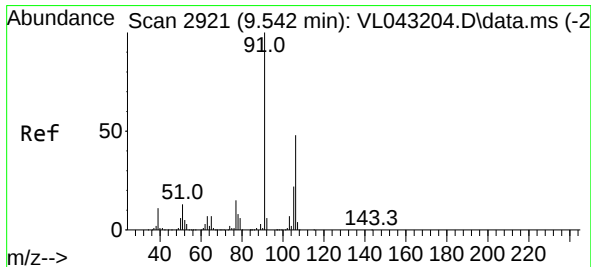
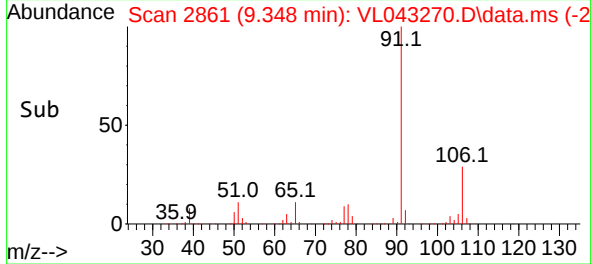
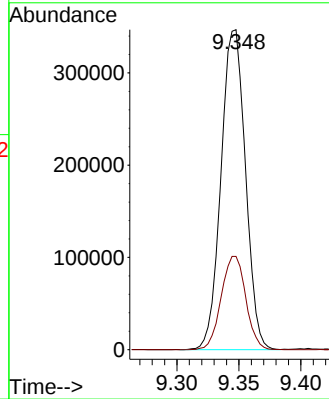
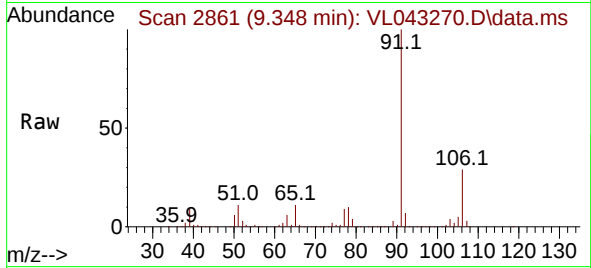




#58
Ethyl Benzene
Concen: 11.156 ppbv
RT: 9.348 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

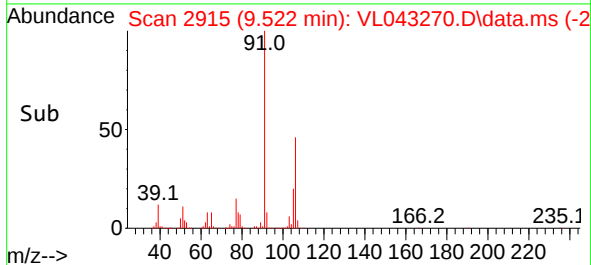
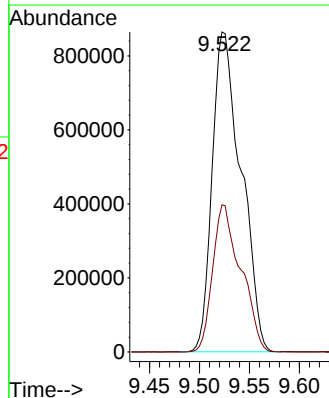
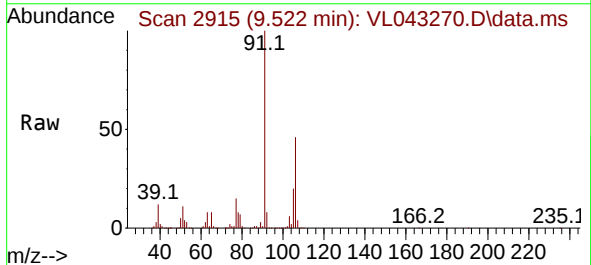
Instrument :
MSVOA_L
ClientSampleId :
IA1

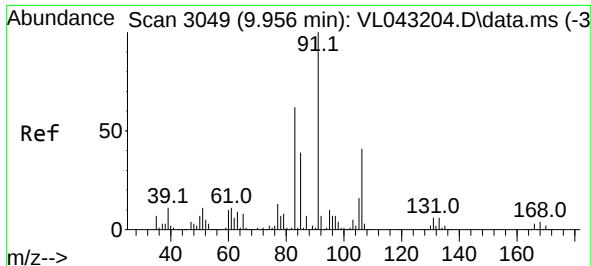
Tgt Ion: 91 Resp: 477084
Ion Ratio Lower Upper
91 100
106 29.2 22.8 34.2



#59
m/p-Xylene
Concen: 50.776 ppbv
RT: 9.522 min Scan# 2915
Delta R.T. -0.020 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion: 91 Resp: 1740919
Ion Ratio Lower Upper
91 100
106 44.8 36.1 54.1

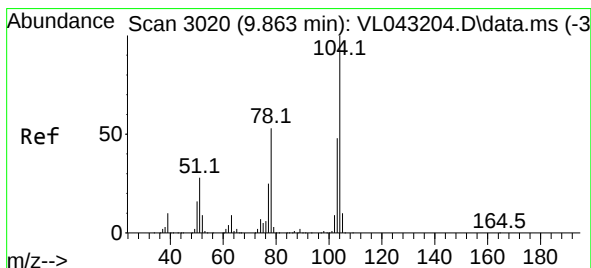
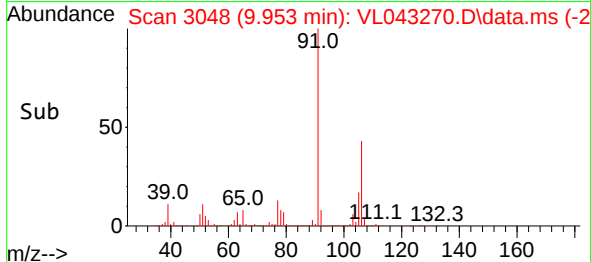
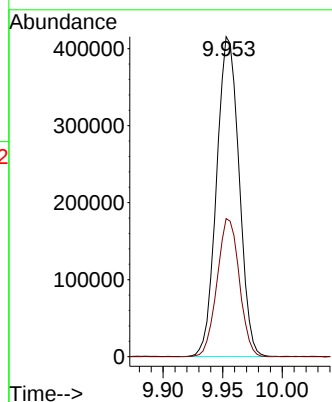
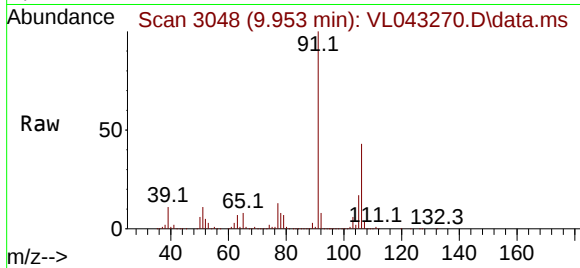




#60
o-Xylene
Concen: 15.880 ppbv
RT: 9.953 min Scan# 3049
Delta R.T. -0.003 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

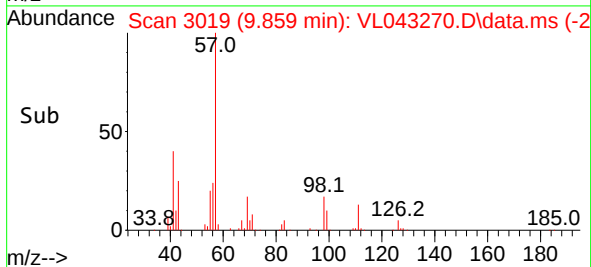
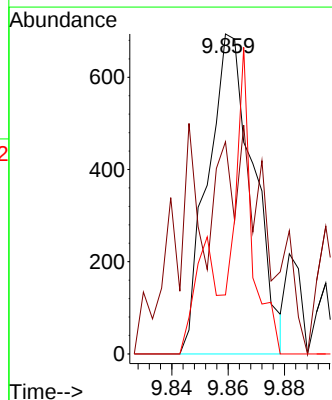
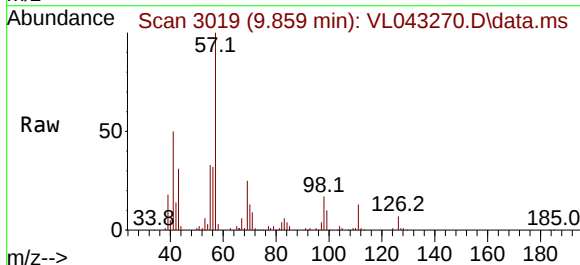
Instrument :
MSVOA_L
ClientSampleId :
IA1

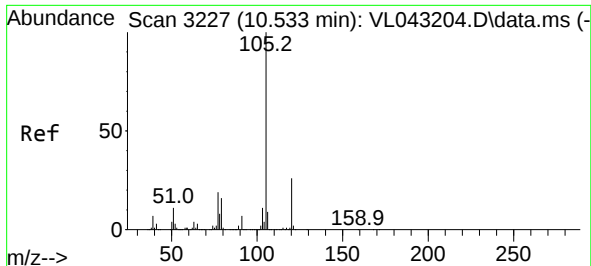
Tgt Ion: 91 Resp: 543908
Ion Ratio Lower Upper
91 100
106 42.7 20.9 62.8



#61
Styrene
Concen: 0.052 ppbv
RT: 9.859 min Scan# 3019
Delta R.T. -0.003 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion: 104 Resp: 783
Ion Ratio Lower Upper
104 100
78 0.0 42.1 63.1#
103 0.0 37.2 55.8#

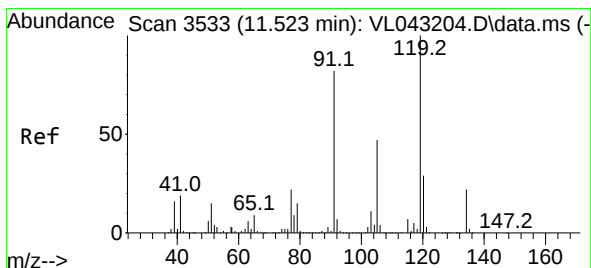
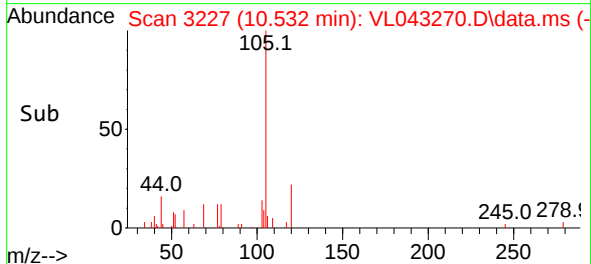
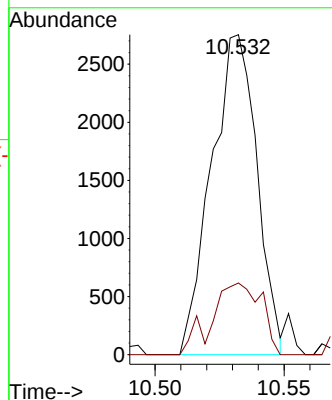
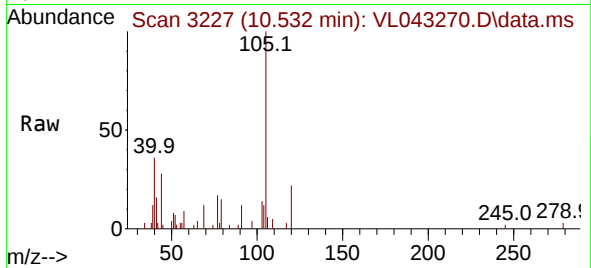




#62
Isopropylbenzene
Concen: 0.055 ppbv
RT: 10.532 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

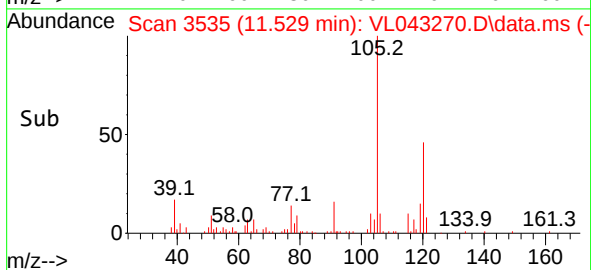
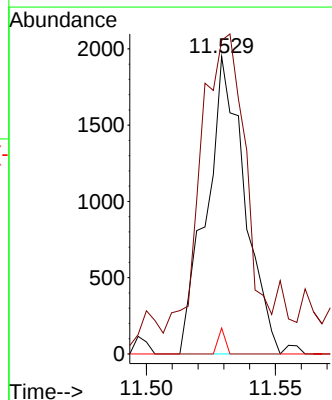
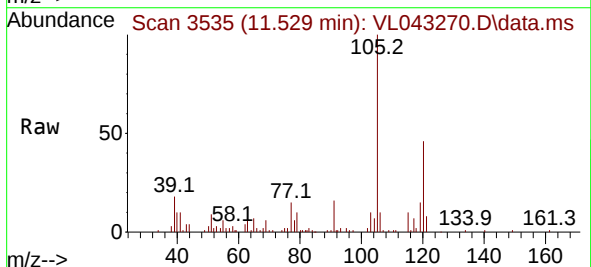
Instrument :
MSVOA_L
ClientSampleId :
IA1

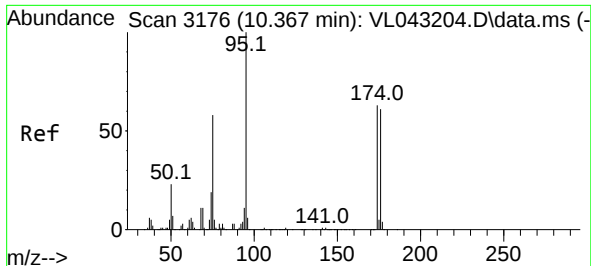
Tgt Ion:105 Resp: 3375
Ion Ratio Lower Upper
105 100
120 25.7 19.8 29.8



#65
tert-Butylbenzene
Concen: 0.036 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.006 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion:119 Resp: 1996
Ion Ratio Lower Upper
119 100
91 159.0 65.3 97.9#
134 0.0 17.0 25.4#

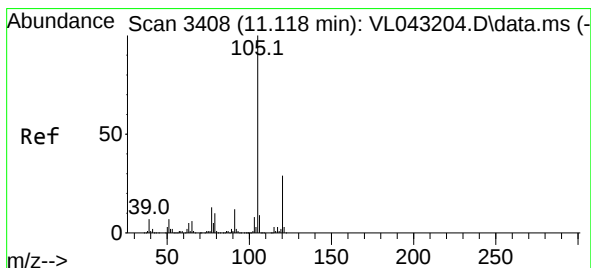
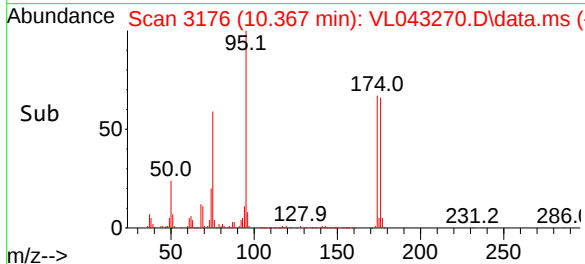
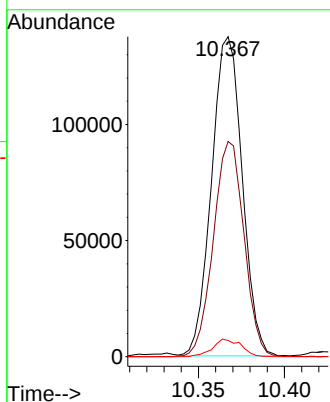
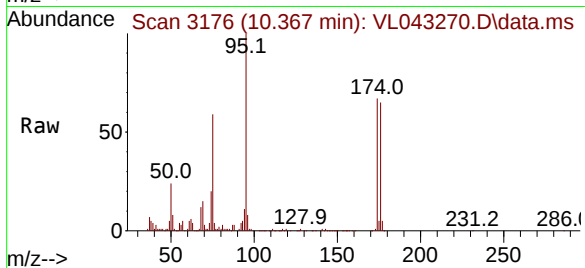




#68
1-Bromo-4-Fluorobenzene
Concen: 10.475 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

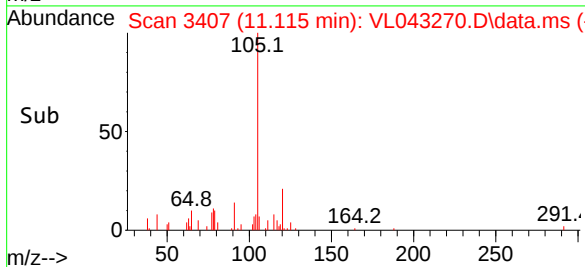
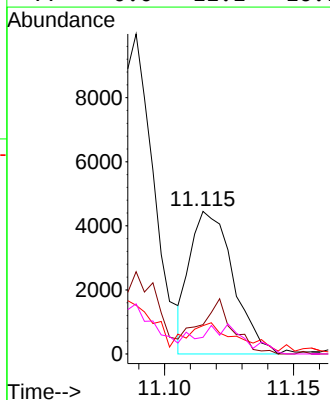
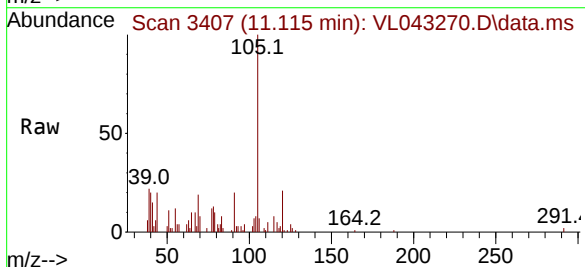
Instrument :
MSVOA_L
ClientSampleId :
IA1

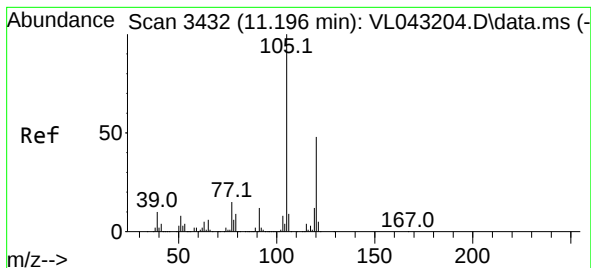
Tgt Ion: 95 Resp: 170603
Ion Ratio Lower Upper
95 100
174 67.3 50.2 75.2
175 5.1 4.1 6.1



#72
4-Ethyltoluene
Concen: 0.125 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. -0.003 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion:105 Resp: 5206
Ion Ratio Lower Upper
105 100
120 0.0 23.8 35.8#
91 0.0 10.3 15.5#
77 0.0 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.116 ppbv

RT: 11.196 min Scan# 3432

Delta R.T. -0.000 min

Lab File: VL043270.D

Acq: 20 Nov 2025 18:02

Instrument :

MSVOA_1

ClientSampleId :

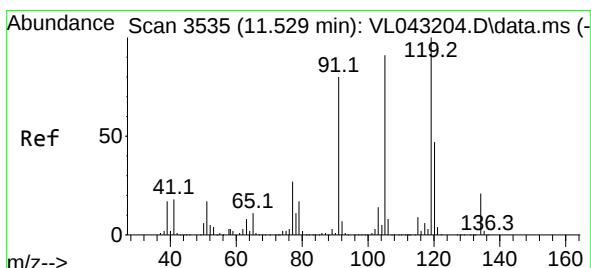
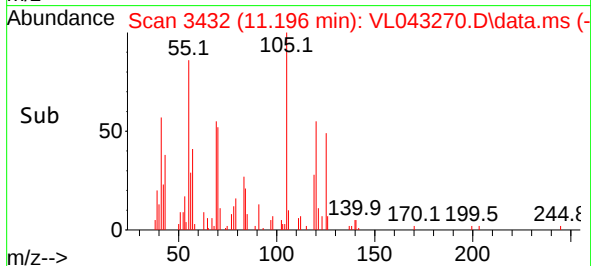
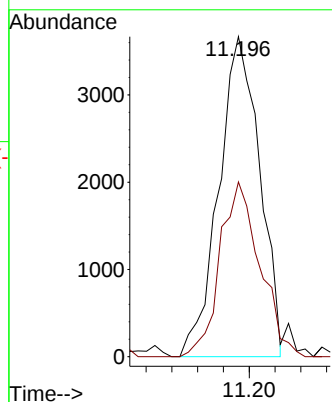
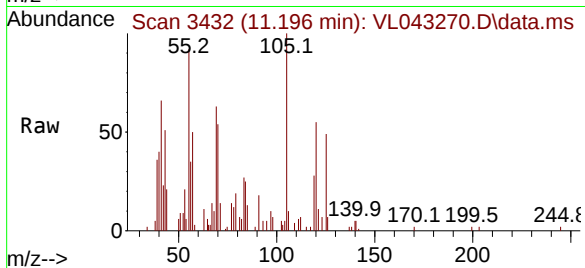
IA1

Tgt Ion:105 Resp: 4045

Ion Ratio Lower Upper

105 100

120 54.6 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.410 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. -0.003 min

Lab File: VL043270.D

Acq: 20 Nov 2025 18:02

Tgt Ion:105 Resp: 15663

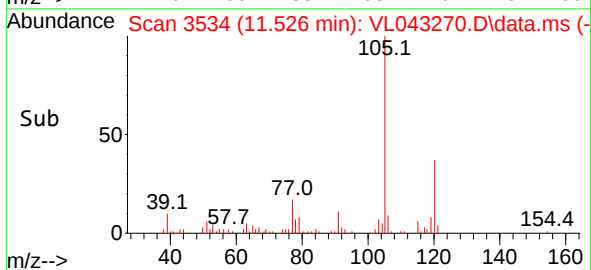
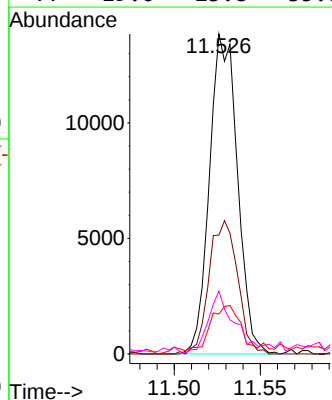
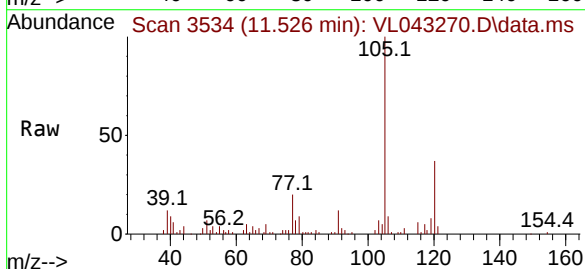
Ion Ratio Lower Upper

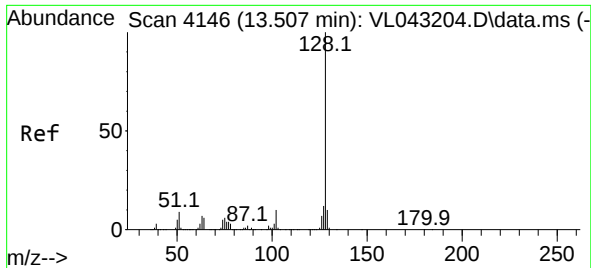
105 100

120 37.1 41.7 62.5#

91 10.9 70.0 105.0#

77 19.0 23.8 35.8#

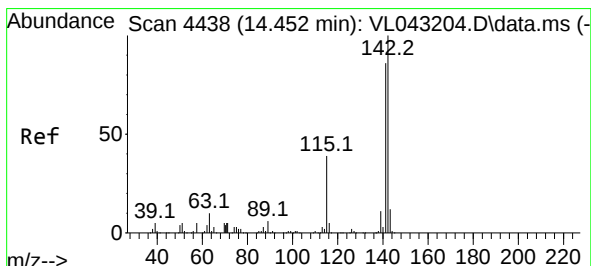
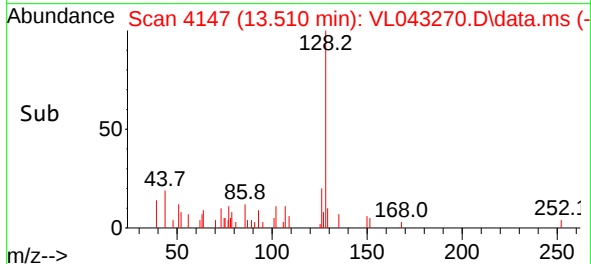
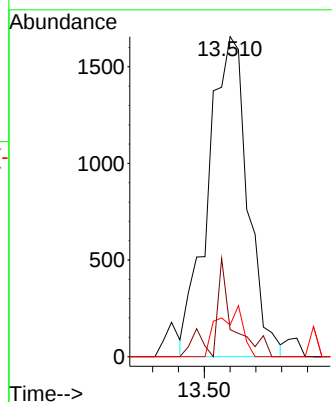
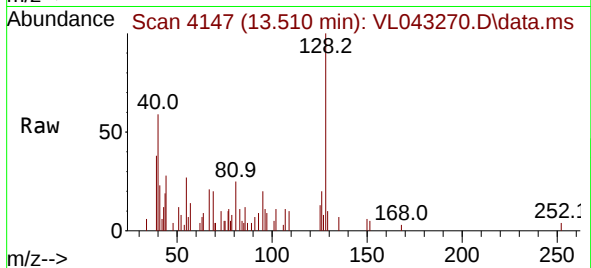




#79
Naphthalene
Concen: 0.052 ppbv
RT: 13.510 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:128 Resp: 1770
Ion Ratio Lower Upper
128 100
127 8.8 9.9 14.9#
129 10.3 8.4 12.6



#80
Naphthalene,2-methyl-
Concen: 0.048 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL043270.D
Acq: 20 Nov 2025 18:02

Tgt Ion:142 Resp: 428
Ion Ratio Lower Upper
142 100
141 87.9 67.1 100.7
115 60.7 31.9 47.9#

