

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042752.D
 Acq On : 23 Jul 2025 11:50
 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 24 04:59:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 04:55:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	151834	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	432802	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	387541	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	302164	9.845	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.554	85	753	0.038	ppbv	96
3) Chlorodifluoromethane	1.822	51	331	0.013	ppbv	100
4) Chloromethane	1.531	50	432	0.053	ppbv #	35
5) Vinyl Chloride	1.580	62	376	0.047	ppbv #	68
6) Bromomethane	1.660	94	181	0.058	ppbv #	51
7) Chloroethane	1.703	64	125	0.040	ppbv #	72
8) Dichlorotetrafluoroethane	1.554	85	753	0.046	ppbv	98
9) Propene	1.411	41	190	0.020	ppbv	89
10) Heptane	4.978	43	121	0.005	ppbv #	27
11) Trichlorofluoromethane	1.877	101	936	0.045	ppbv #	76
12) 1,1,2-Trichlorotrifluo...	2.140	101	345	0.022	ppbv #	8
13) Ethanol	1.887	45	511	Below Cal	#	1
14) Bromoethene	1.777	108	156	0.028	ppbv #	1
15) Acetone	1.832	43	2557	0.122	ppbv	91
16) 1,3-Butadiene	1.605	39	502	0.056	ppbv #	8
17) tert-Butyl alcohol	2.042	59	782	0.041	ppbv #	72
18) 1,1-Dichloroethene	2.033	96	312	0.044	ppbv #	57
19) Isopropyl Alcohol	1.887	45	511	0.046	ppbv	98
20) Methylene Chloride	2.059	84	1607	0.243	ppbv #	86
21) Allyl Chloride	2.094	41	856	0.066	ppbv #	28
22) trans-1,2-Dichloroethene	2.337	96	263	0.034	ppbv #	50
23) Vinyl Acetate	2.460	43	1410	0.055	ppbv #	62
24) 1,1-Dichloroethane	2.405	63	715	0.046	ppbv #	94
25) Ethyl Acetate	2.832	43	1085	0.023	ppbv #	65
26) Hexane	2.819	57	704	0.035	ppbv #	1
27) Carbon Disulfide	2.146	76	605	0.035	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	249	0.026	ppbv #	1
29) Chloroform	2.842	83	1324	0.042	ppbv	92
30) Cyclohexane	3.852	84	115	0.007	ppbv #	1
31) cis-1,2-Dichloroethene	2.716	61	527	0.025	ppbv #	79
32) 1,1,1-Trichloroethane	3.353	97	302	0.009	ppbv #	1
34) 2-Butanone	2.557	43	1423	0.046	ppbv	96
35) Carbon Tetrachloride	3.755	117	427	0.013	ppbv #	43
36) Benzene	3.645	78	1657	0.040	ppbv #	84
37) 1,2-Dichloroethane	3.214	62	902	0.037	ppbv #	81
38) Trichloroethene	4.535	130	438	0.022	ppbv #	24
39) 1,2-Dichloropropane	3.949	63	109883	7.257	ppbv #	21
40) 1,4-Dioxane	4.541	88	32	0.004	ppbv #	1
41) Tetrahydrofuran	3.039	42	84	0.005	ppbv #	38
42) Bromodichloromethane	4.470	83	390	0.012	ppbv #	26
43) Methyl Methacrylate	4.862	69	32	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	4.628	57	714	0.011	ppbv #	1
45) t-1,3-Dichloropropene	6.392	75	252	0.015	ppbv #	77

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

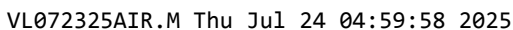
Instrument :
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 ClientSampleId :
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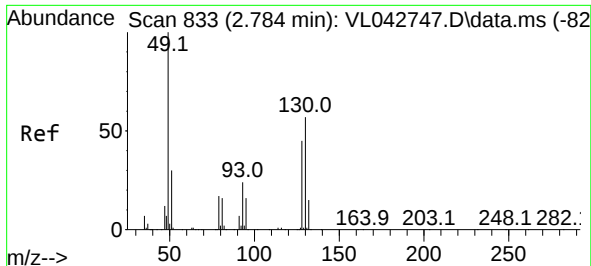
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 04:55:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.590	75	259	0.012	ppbv	#	26
47) 1,1,2-Trichloroethane	6.570	97	226	0.014	ppbv	#	34
48) Dibromochloromethane	7.370	129	206	0.008	ppbv	#	1
49) Bromoform	9.470	173	346	0.015	ppbv	#	31
50) 4-Methyl-2-Pentanone	5.742	43	157	0.004	ppbv	#	40
51) 2-Hexanone	7.428	43	72	0.002	ppbv	#	30
52) Tetrachloroethene	8.215	164	317	0.019	ppbv	#	35
53) Toluene	6.926	91	832	0.019	ppbv	#	21
54) 1,2-Dibromoethane	7.635	107	155	0.007	ppbv		87
56) 1,1,1,2-Tetrachloroethane	8.924	131	471	0.023	ppbv	#	1
57) Chlorobenzene	8.914	112	852	0.023	ppbv	#	48
58) Ethyl Benzene	9.344	91	837	0.014	ppbv		90
59) m/p-Xylene	9.548	91	1097	0.022	ppbv	#	30
60) o-Xylene	9.953	91	1440	0.029	ppbv		95
61) Styrene	9.872	104	373	0.018	ppbv	#	58
62) Isopropylbenzene	10.535	105	1137	0.016	ppbv	#	48
63) 1,1,2,2-Tetrachloroethane	9.959	83	685	0.022	ppbv	#	57
64) n-propylbenzene	10.985	120	465	0.025	ppbv		78
65) tert-Butylbenzene	11.526	119	1786	0.028	ppbv	#	92
66) Benzyl Chloride	11.600	91	118	0.022	ppbv	#	61
67) sec-Butylbenzene	11.529	105	1421	0.016	ppbv		96
69) p-Isopropyltoluene	11.921	119	1420	0.019	ppbv	#	78
70) n-Butylbenzene	12.273	91	591	0.008	ppbv	#	24
71) 2-Chlorotoluene	10.895	91	547	0.010	ppbv	#	45
72) 4-Ethyltoluene	11.118	105	1098	0.019	ppbv	#	78
73) 1,3,5-Trimethylbenzene	11.202	105	1204	0.025	ppbv		96
74) 1,2,4-Trimethylbenzene	11.529	105	1421	0.027	ppbv		88
75) 1,3-Dichlorobenzene	11.600	146	1122	0.031	ppbv		86
76) 1,4-Dichlorobenzene	11.668	146	658	0.018	ppbv	#	71
77) 1,2-Dichlorobenzene	11.600	146	1122	0.031	ppbv		89
78) Hexachloro-1,3-Butadiene	13.876	225	1559	0.048	ppbv	#	86
79) Naphthalene	13.503	128	126	0.436	ppbv	#	69
80) Naphthalene,2-methyl-	14.649	142	15	1.127	ppbv	#	23
81) 1,2,4-Trichlorobenzene	13.439	180	170	0.438	ppbv	#	1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
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QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

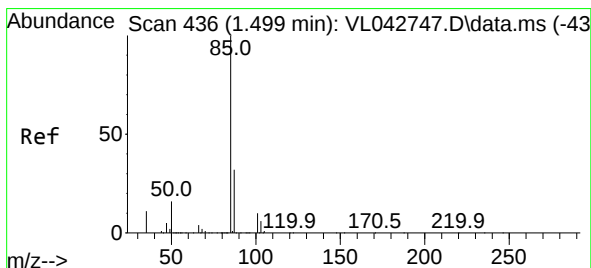
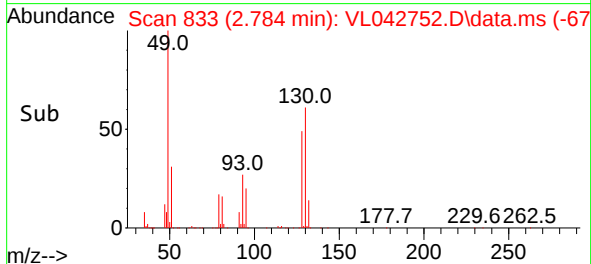
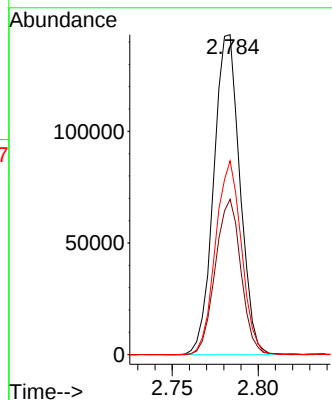
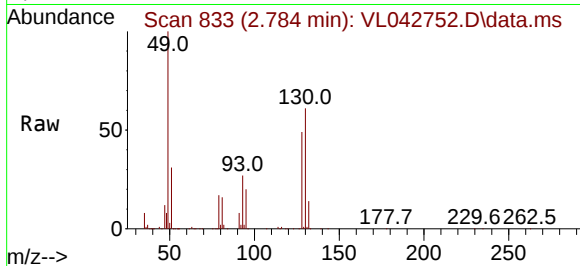




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

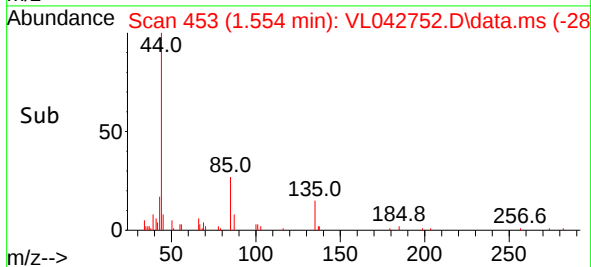
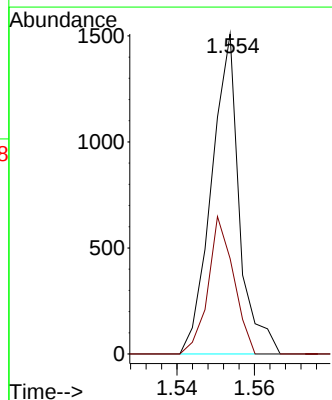
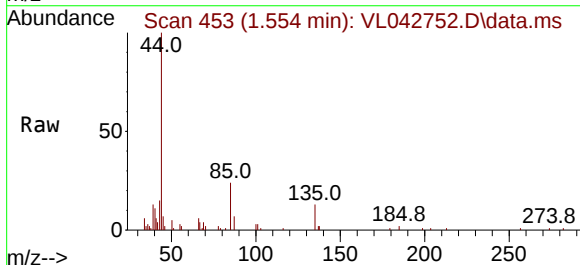
Instrument :
 MSVOA_L
 ClientSampleId :
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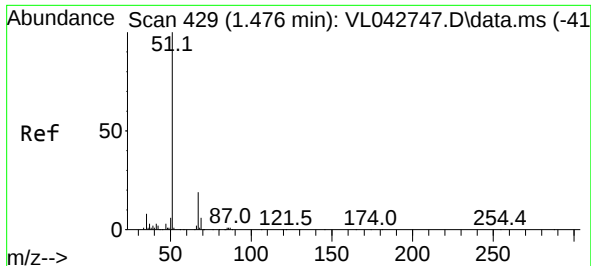
Tgt Ion: 49 Resp: 151834
 Ion Ratio Lower Upper
 49 100
 128 47.5 23.6 71.0
 130 60.2 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 0.038 ppbv
 RT: 1.554 min Scan# 453
 Delta R.T. 0.055 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

Tgt Ion: 85 Resp: 753
 Ion Ratio Lower Upper
 85 100
 87 29.8 25.4 38.2

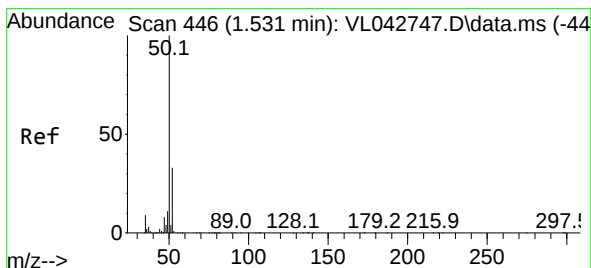
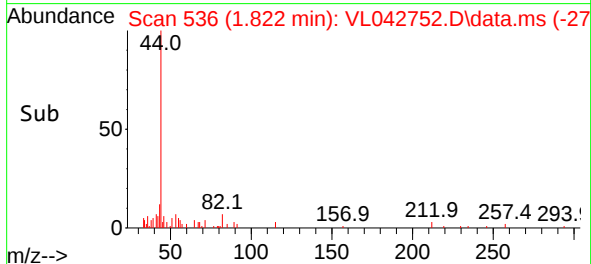
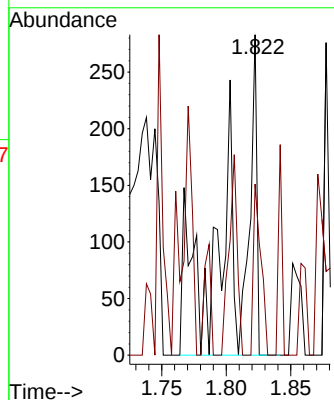
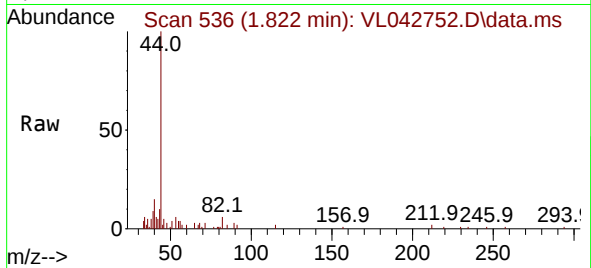




#3
Chlorodifluoromethane
Concen: 0.013 ppbv
RT: 1.822 min Scan# 51
Delta R.T. 0.346 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

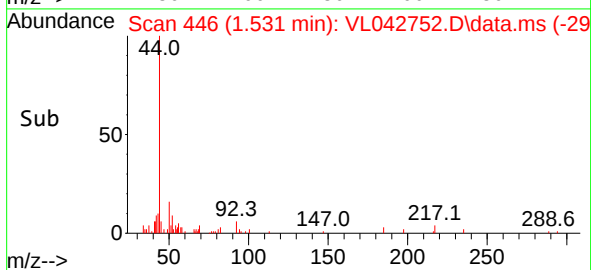
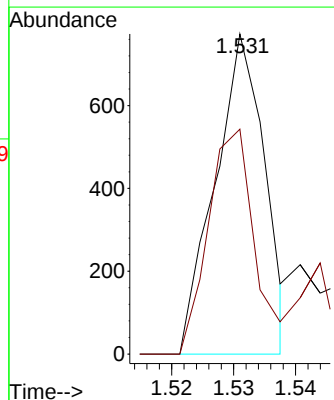
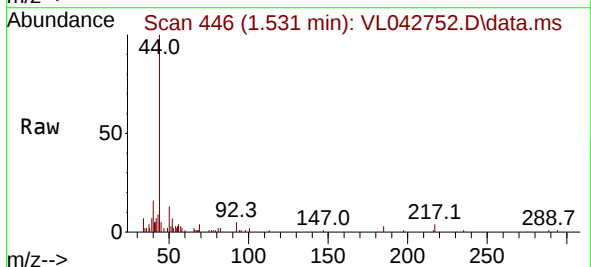
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ClientSampleId :
VSTDIC0.03

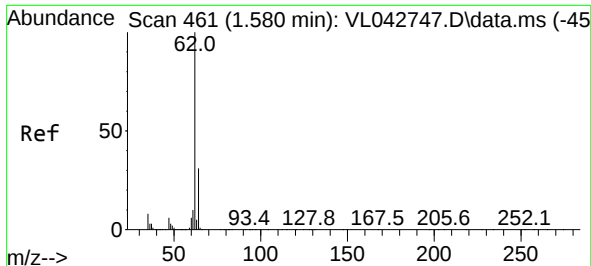
Tgt Ion: 51 Resp: 331
Ion Ratio Lower Upper
51 100
67 18.7 15.0 22.6



#4
Chloromethane
Concen: 0.053 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 50 Resp: 432
Ion Ratio Lower Upper
50 100
52 70.2 26.6 40.0#

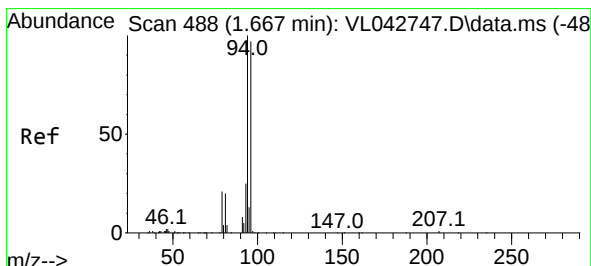
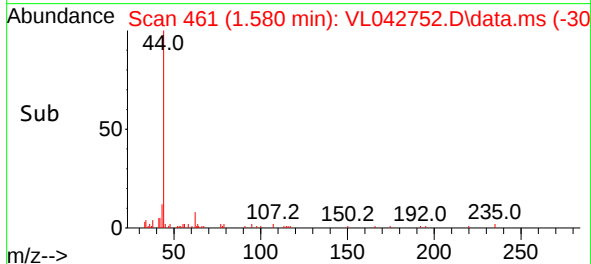
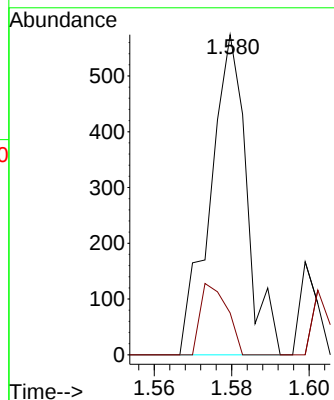
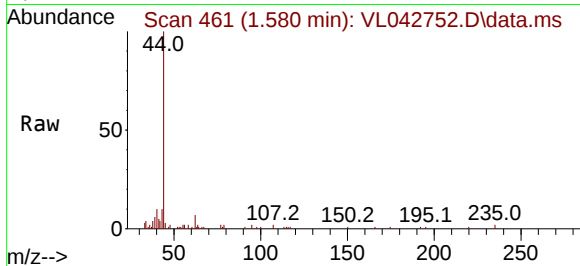




#5
 Vinyl Chloride
 Concen: 0.047 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

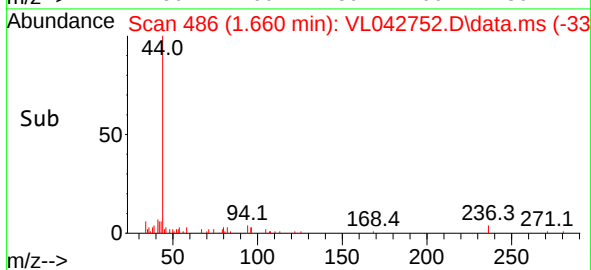
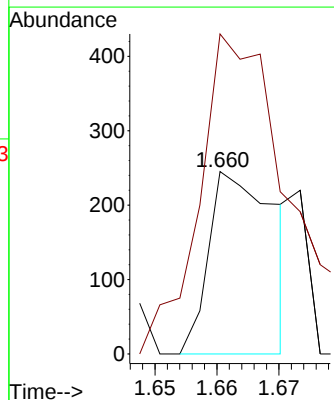
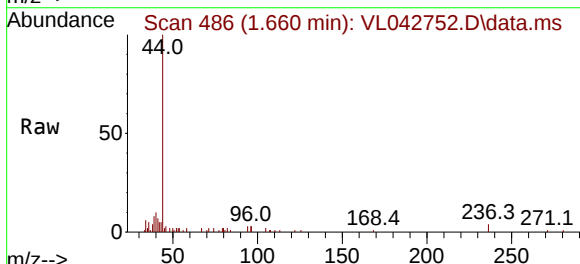
Instrument :
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 ClientSampleId :
 VSTDIC0.03

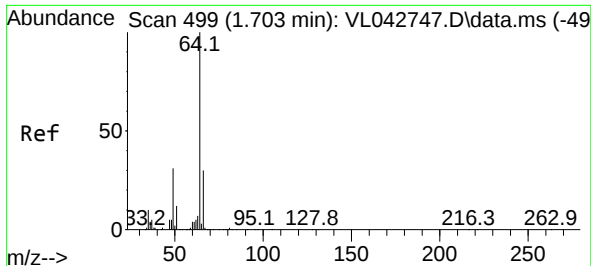
Tgt Ion: 62 Resp: 376
 Ion Ratio Lower Upper
 62 100
 64 13.1 24.5 36.7#



#6
 Bromomethane
 Concen: 0.058 ppbv
 RT: 1.660 min Scan# 486
 Delta R.T. -0.007 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

Tgt Ion: 94 Resp: 181
 Ion Ratio Lower Upper
 94 100
 96 144.9 77.6 116.4#

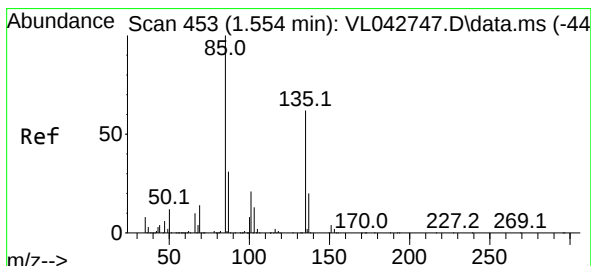
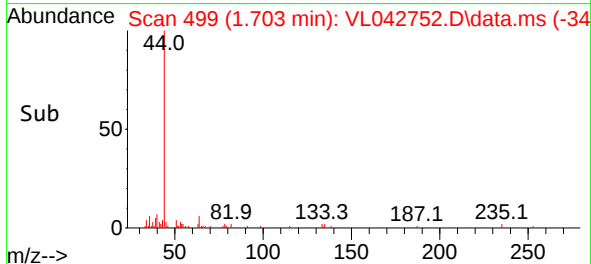
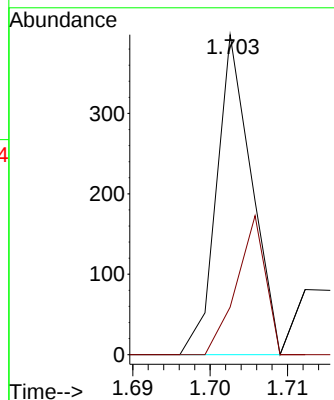
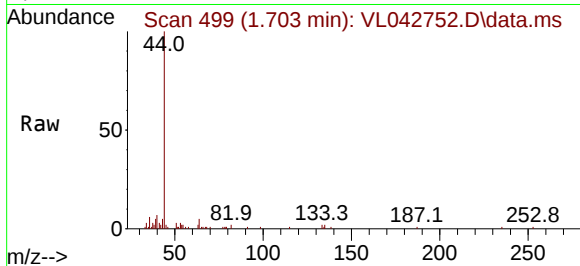




#7
Chloroethane
Concen: 0.040 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

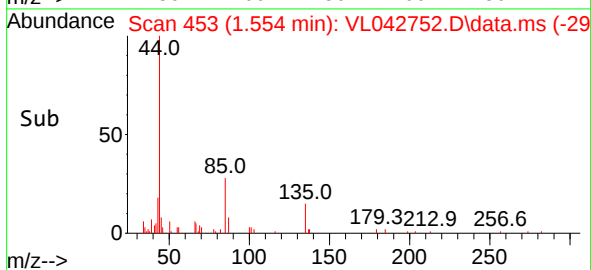
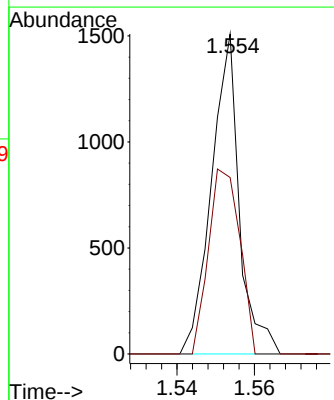
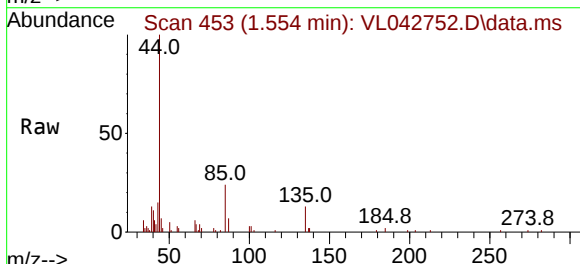
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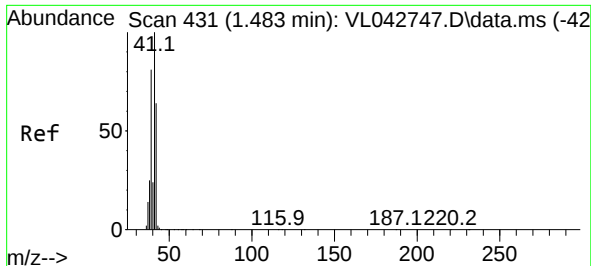
Tgt Ion: 64 Resp: 125
Ion Ratio Lower Upper
64 100
66 14.8 24.1 36.1#



#8
Dichlorotetrafluoroethane
Concen: 0.046 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 85 Resp: 753
Ion Ratio Lower Upper
85 100
135 65.1 50.6 76.0

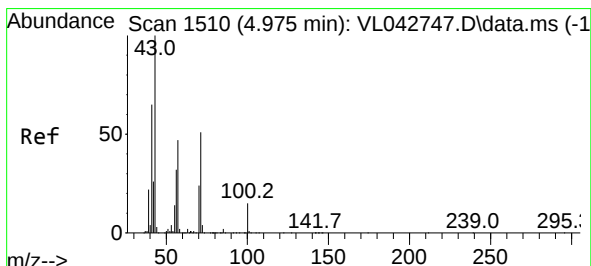
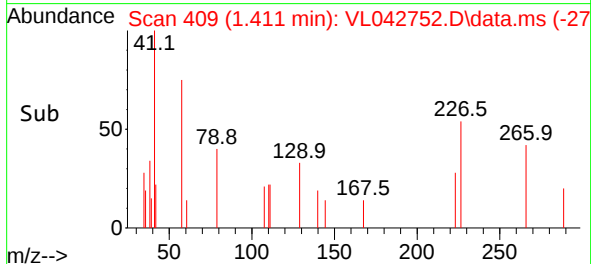
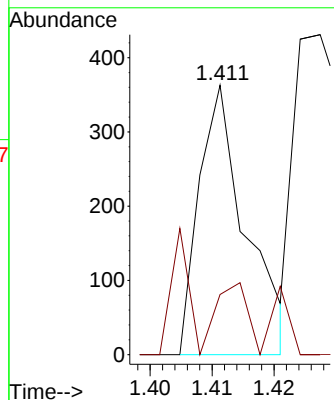
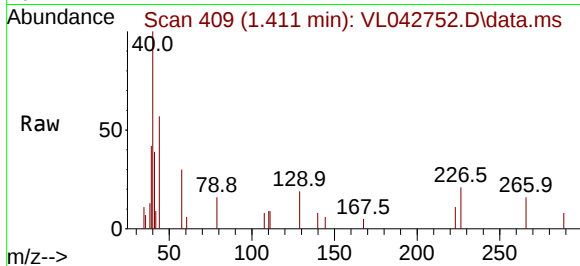




#9
 Propene
 Concen: 0.020 ppbv
 RT: 1.411 min Scan# 409
 Delta R.T. -0.071 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

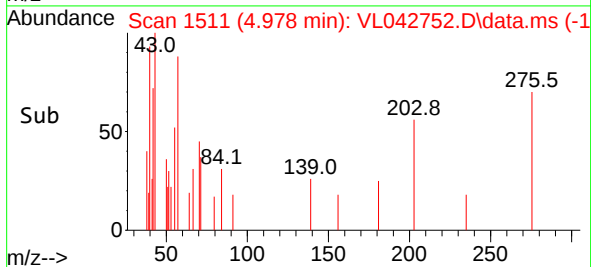
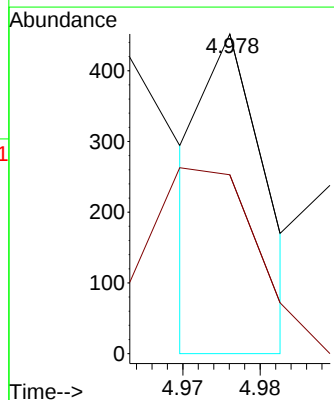
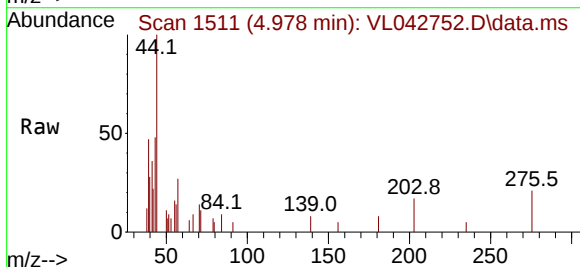
Instrument :
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 VSTDIC0.03

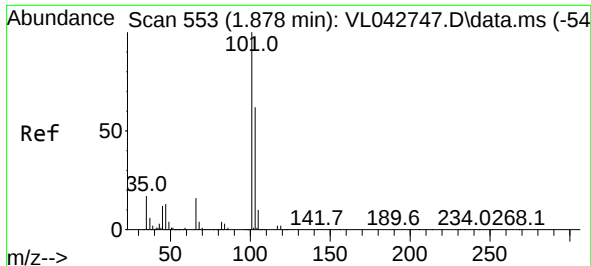
Tgt Ion: 41 Resp: 190
 Ion Ratio Lower Upper
 41 100
 42 57.9 53.2 79.8



#10
 Heptane
 Concen: 0.005 ppbv
 RT: 4.978 min Scan# 1511
 Delta R.T. 0.003 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

Tgt Ion: 43 Resp: 121
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.9 59.9#

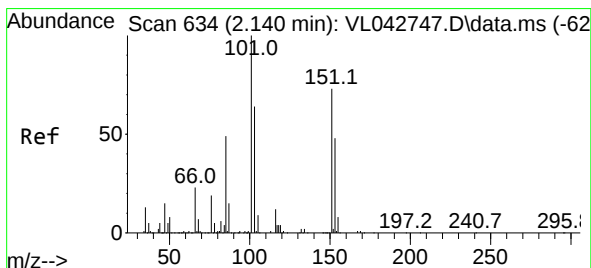
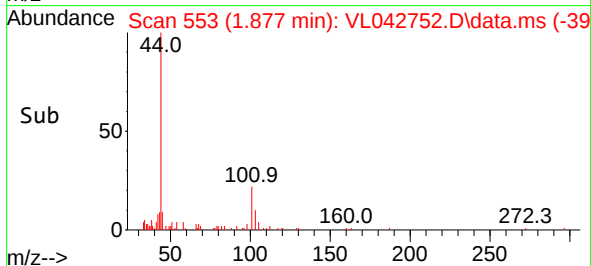
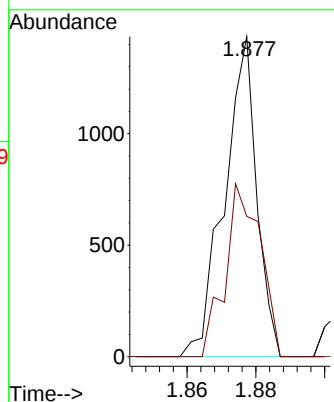
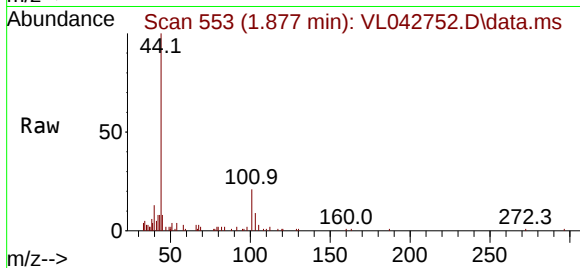




#11
 Trichlorofluoromethane
 Concen: 0.045 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

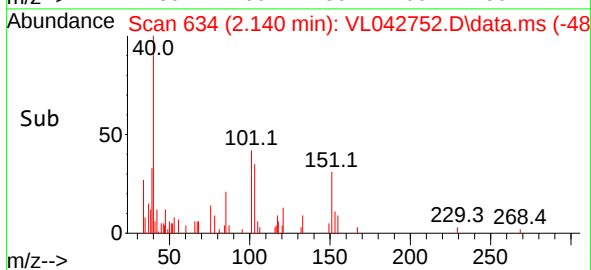
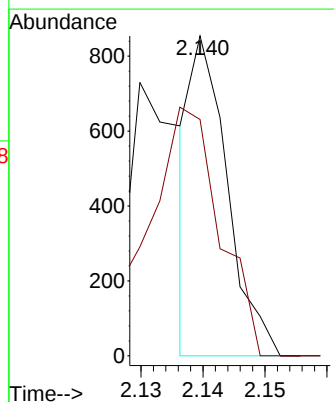
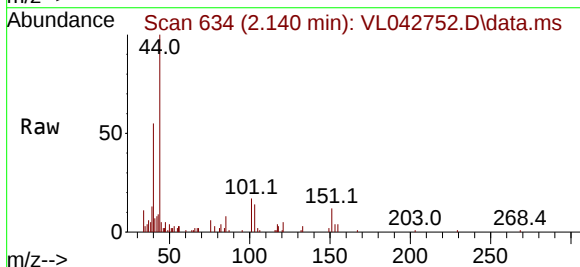
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

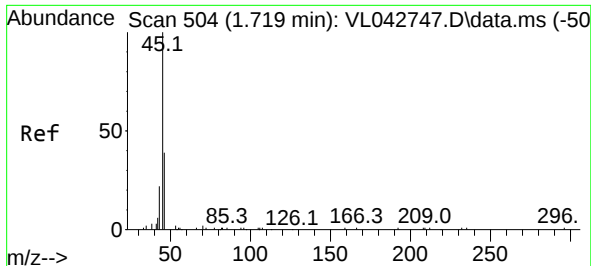
Tgt Ion:101 Resp: 936
 Ion Ratio Lower Upper
 101 100
 103 43.8 49.6 74.4#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.022 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

Tgt Ion:101 Resp: 345
 Ion Ratio Lower Upper
 101 100
 151 154.5 60.5 90.7#

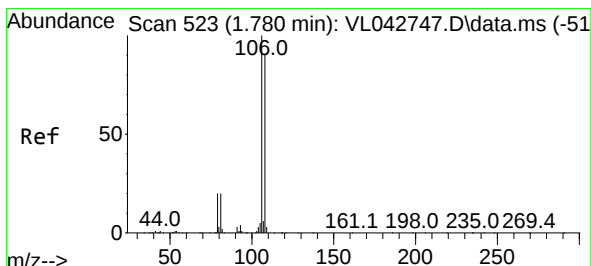
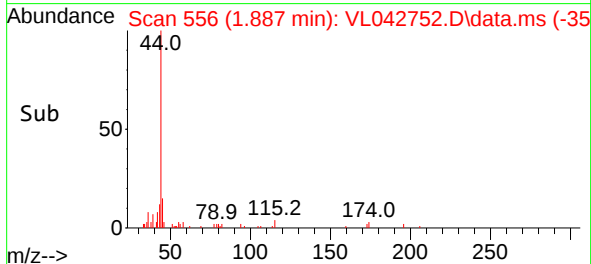
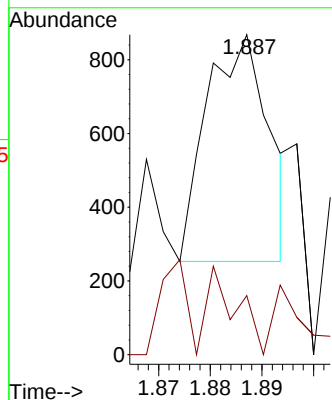
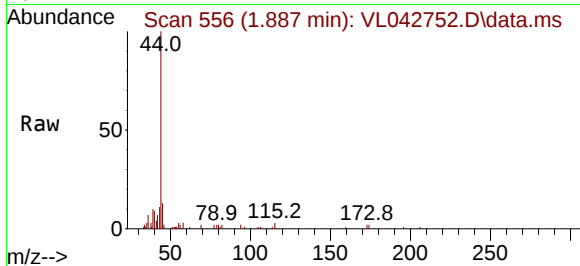




#13
Ethanol
Concen: Below Cal
RT: 1.887 min Scan# 511
Delta R.T. 0.168 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

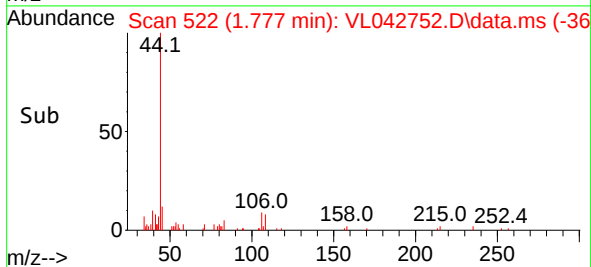
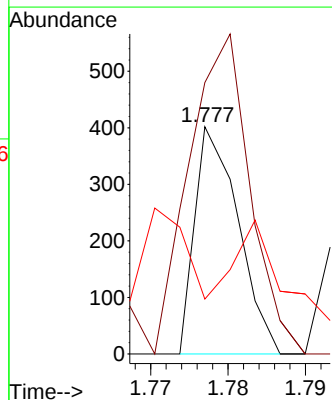
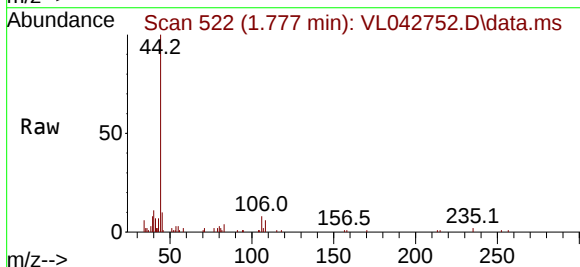
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

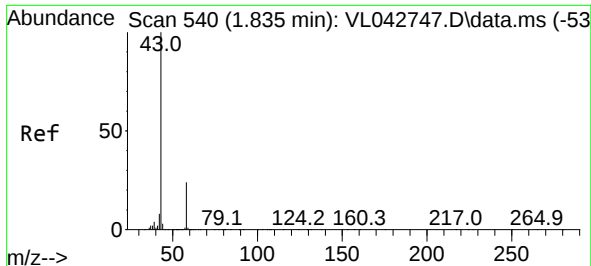
Tgt Ion: 45 Resp: 511
Ion Ratio Lower Upper
45 100
46 146.4 17.8 71.4#



#14
Bromoethene
Concen: 0.028 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 108 Resp: 156
Ion Ratio Lower Upper
108 100
106 219.2 84.7 127.1#
79 223.7 17.4 26.2#

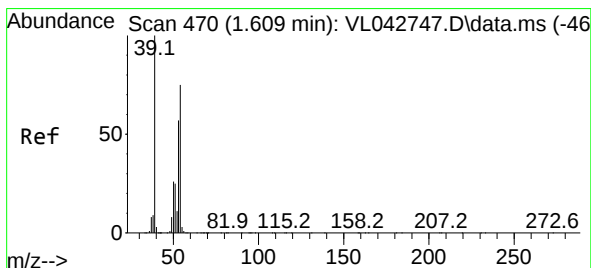
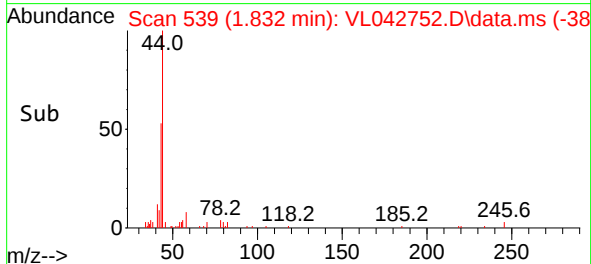
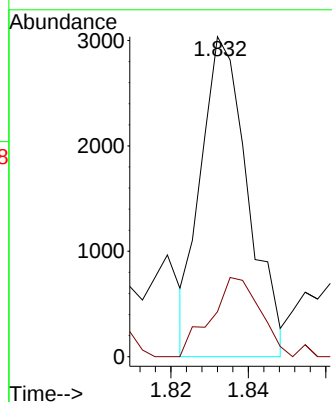
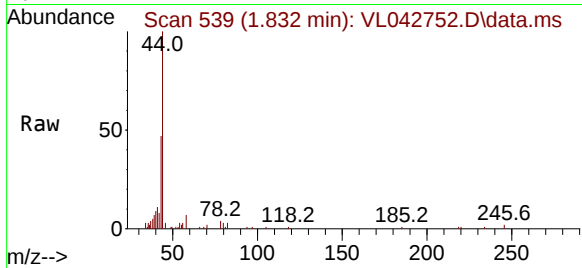




#15
Acetone
Concen: 0.122 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

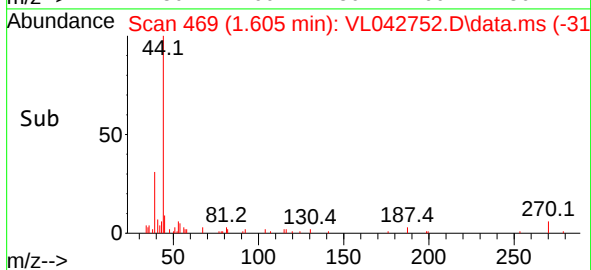
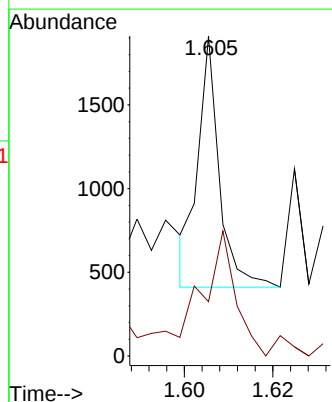
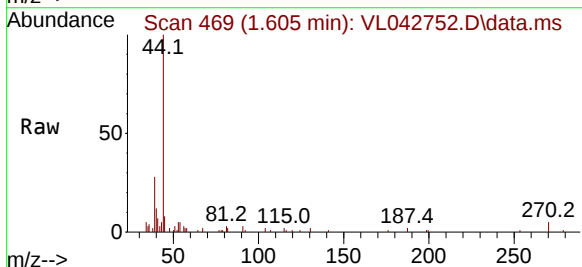
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

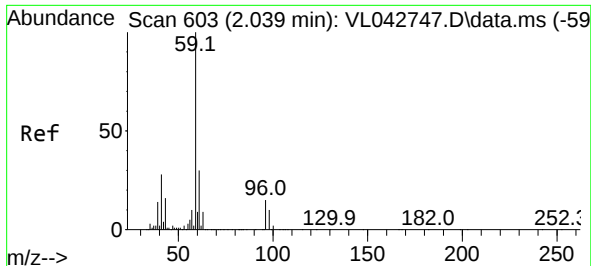
Tgt Ion: 43 Resp: 2557
Ion Ratio Lower Upper
43 100
58 29.5 19.8 29.8



#16
1,3-Butadiene
Concen: 0.056 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 39 Resp: 502
Ion Ratio Lower Upper
39 100
54 142.8 54.5 81.7#





#17

tert-Butyl alcohol

Concen: 0.041 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

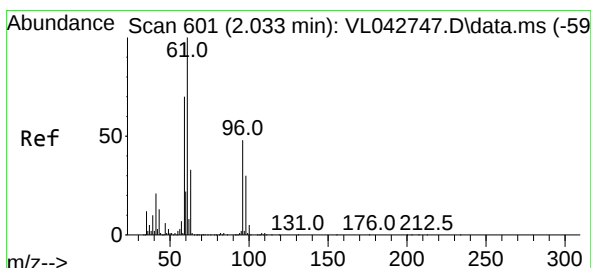
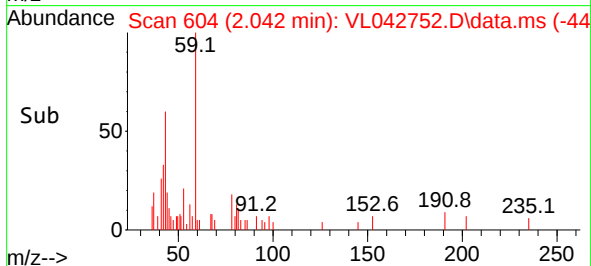
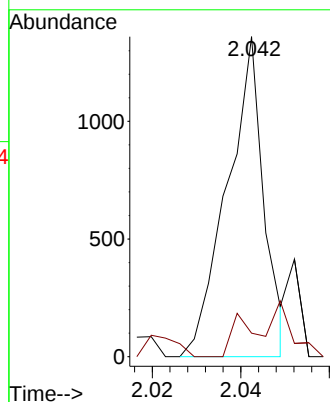
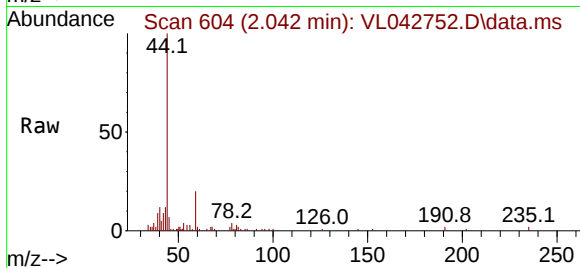
VSTDIC0.03

Tgt Ion: 59 Resp: 782

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.044 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

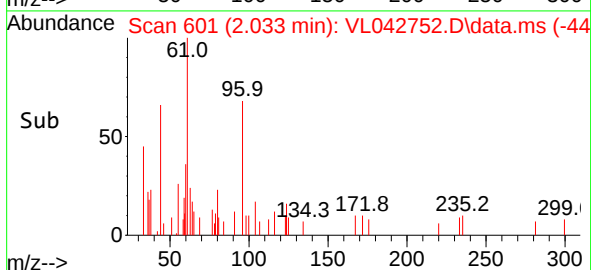
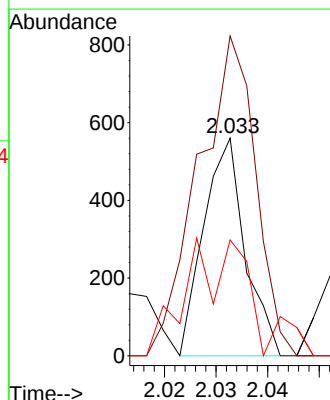
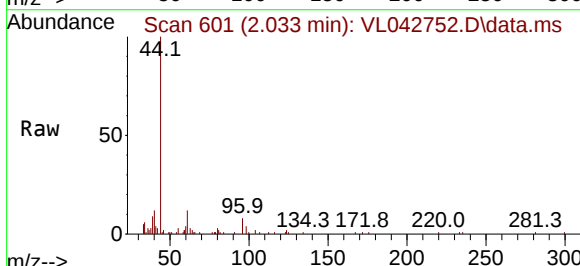
Tgt Ion: 96 Resp: 312

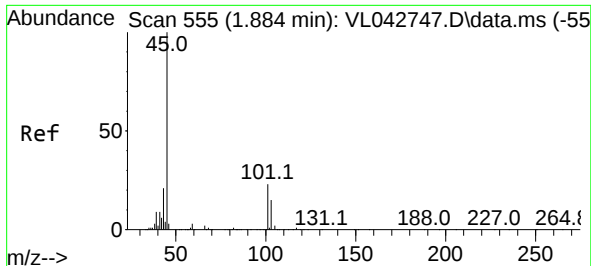
Ion Ratio Lower Upper

96 100

61 135.9 165.8 248.6#

98 38.4 49.9 74.9#

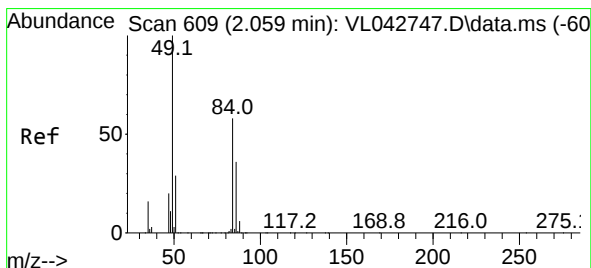
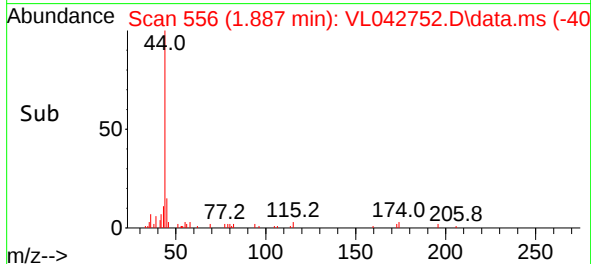
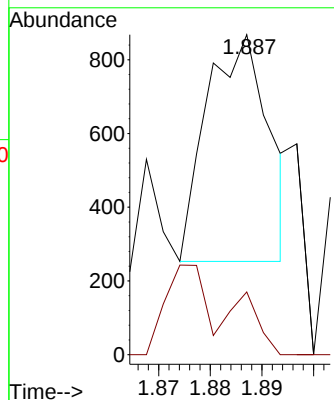
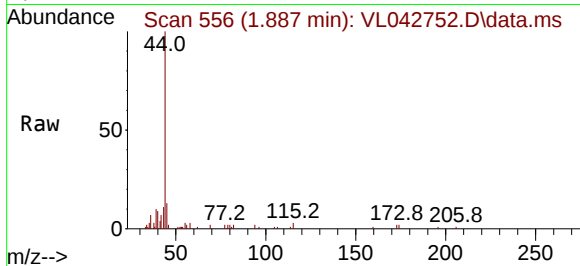




#19
Isopropyl Alcohol
Concen: 0.046 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

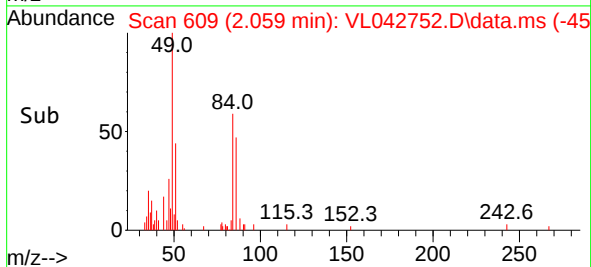
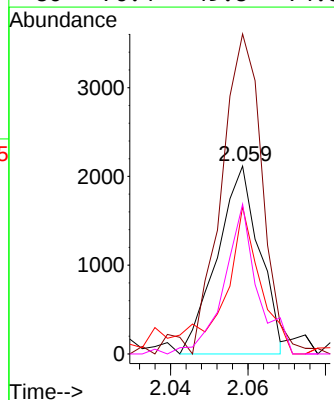
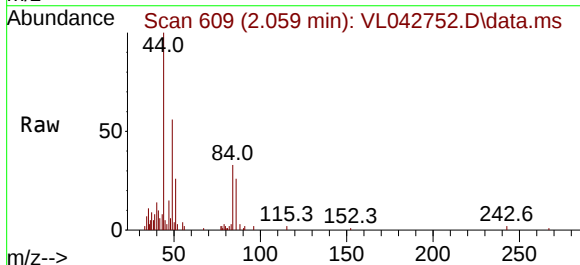
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

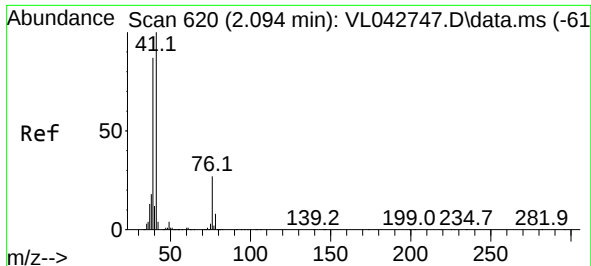
Tgt Ion: 45 Resp: 511
Ion Ratio Lower Upper
45 100
58 38.9 30.0 45.0



#20
Methylene Chloride
Concen: 0.243 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 84 Resp: 1607
Ion Ratio Lower Upper
84 100
49 161.5 138.6 208.0
51 68.3 40.6 61.0#
86 76.4 49.8 74.8#

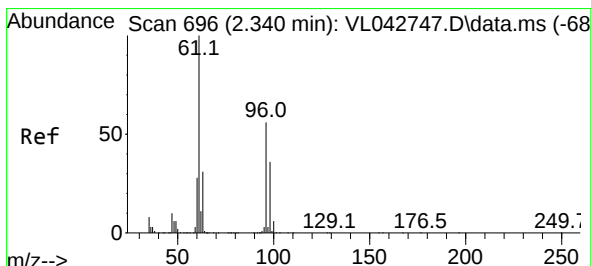
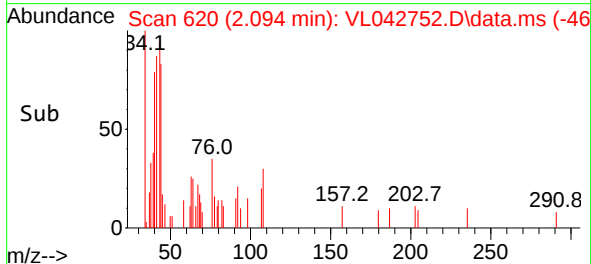
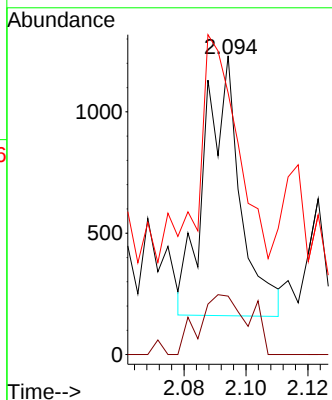
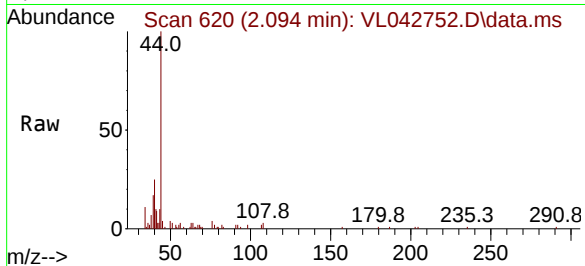




#21
Allyl Chloride
Concen: 0.066 ppbv
RT: 2.094 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

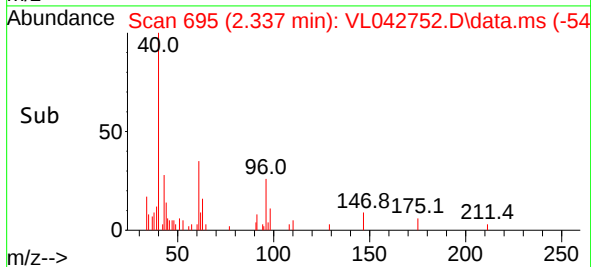
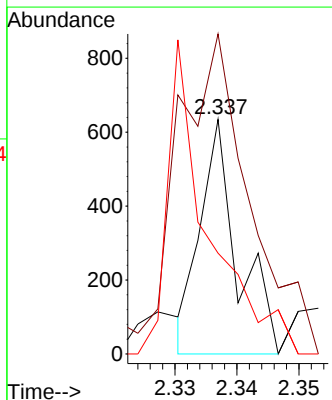
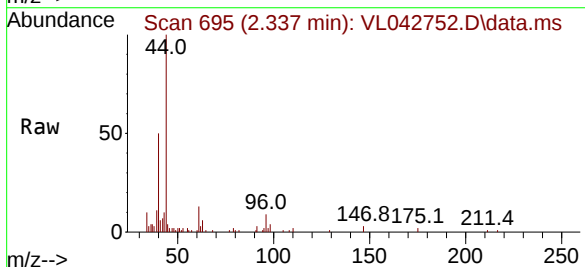
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

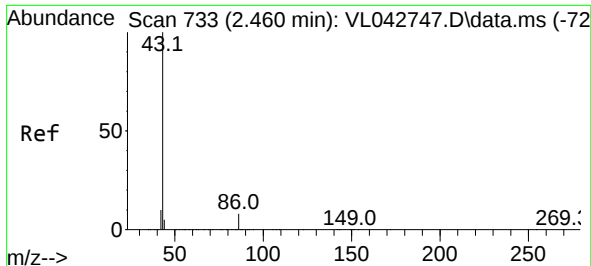
Tgt Ion: 41 Resp: 856
Ion Ratio Lower Upper
41 100
76 35.0 21.1 31.7#
39 167.2 68.3 102.5#



#22
trans-1,2-Dichloroethene
Concen: 0.034 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 96 Resp: 263
Ion Ratio Lower Upper
96 100
61 108.2 142.3 213.5#
98 24.1 50.6 76.0#

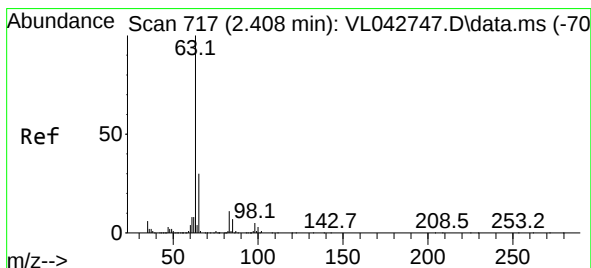
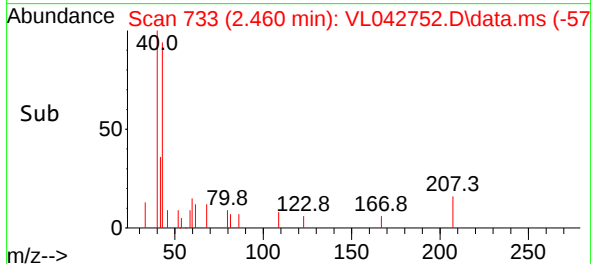
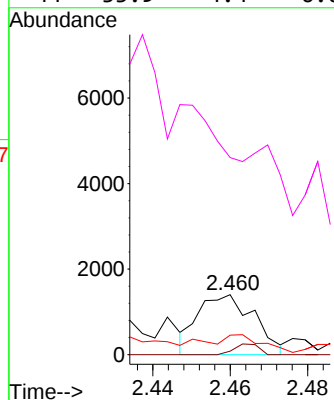
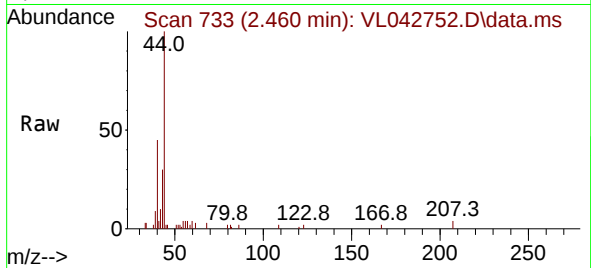




#23
 Vinyl Acetate
 Concen: 0.055 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

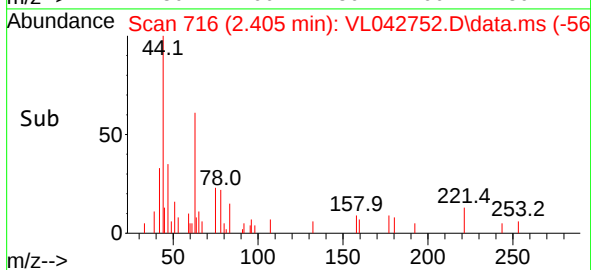
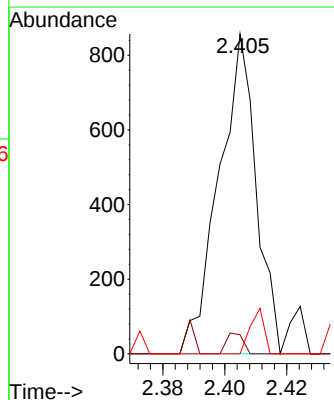
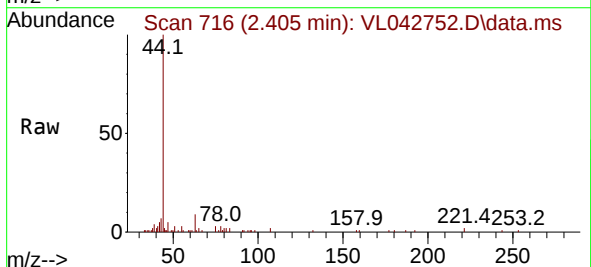
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

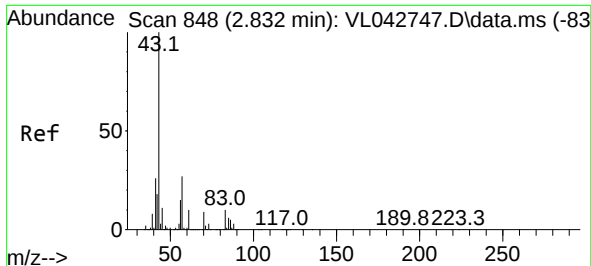
Tgt Ion:	43	Resp:	1410
Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.1	9.1
42	24.7	7.8	11.8#
44	33.9	4.4	6.6#



#24
 1,1-Dichloroethane
 Concen: 0.046 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

Tgt Ion:	63	Resp:	715
Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.5	7.4
100	0.0	1.6	4.8#

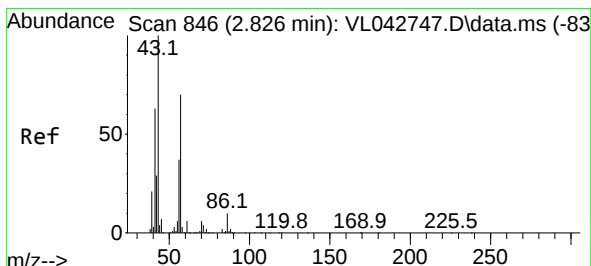
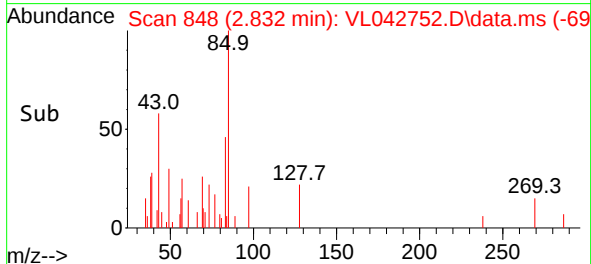
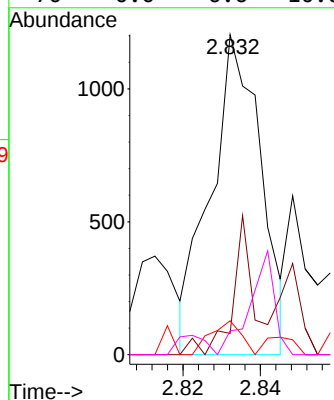
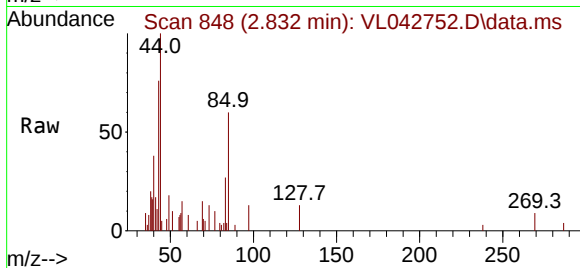




#25
Ethyl Acetate
Concen: 0.023 ppbv
RT: 2.832 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

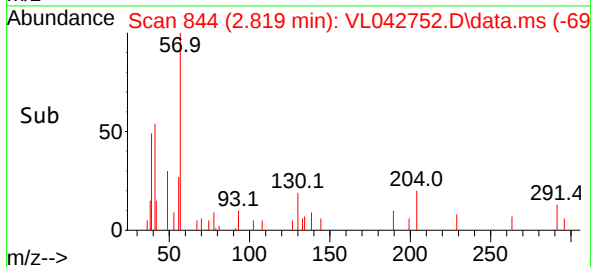
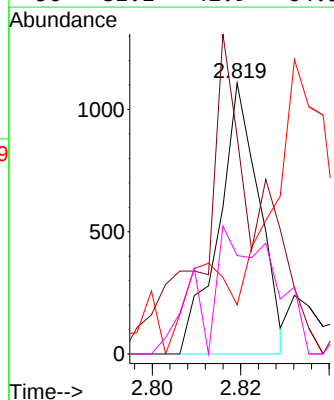
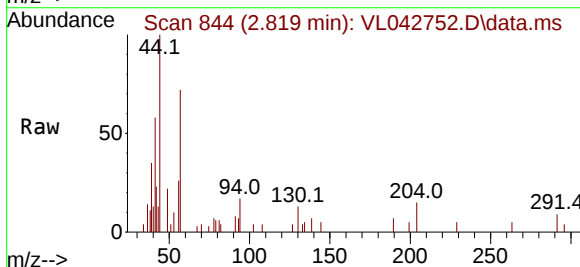
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

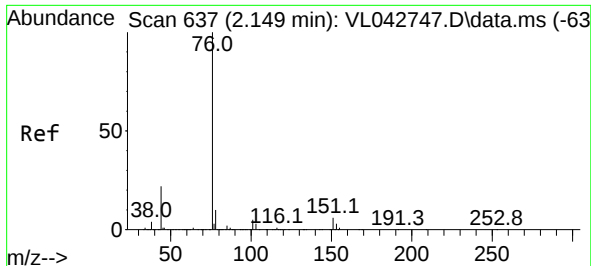
Tgt Ion:	43	Resp:	1085
Ion	Ratio	Lower	Upper
43	100		
45	29.7	7.8	11.6#
61	0.0	6.7	10.1#
70	0.0	6.6	10.0#



#26
Hexane
Concen: 0.035 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:	57	Resp:	704
Ion	Ratio	Lower	Upper
57	100		
41	174.3	75.4	113.2#
43	0.0	185.0	277.6#
56	81.1	42.9	64.3#





#27

Carbon Disulfide

Concen: 0.035 ppbv

RT: 2.146 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

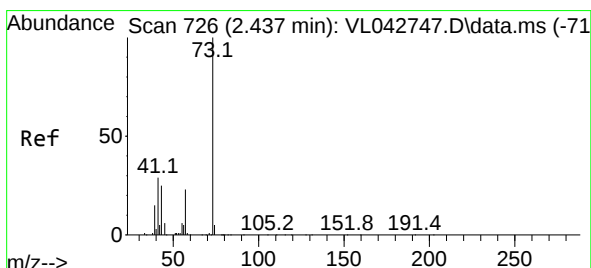
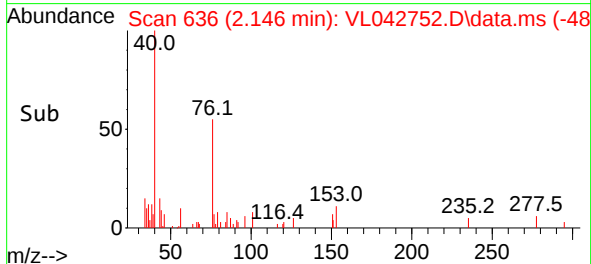
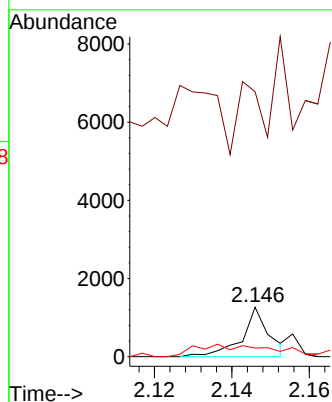
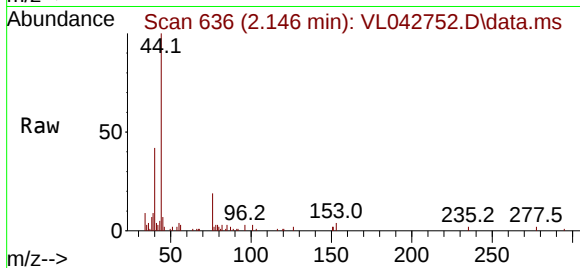
Tgt Ion: 76 Resp: 605

Ion Ratio Lower Upper

76 100

44 958.2 19.3 28.9#

78 90.7 9.9 14.9#



#28

Methyl tert-Butyl Ether

Concen: 0.026 ppbv

RT: 2.437 min Scan# 726

Delta R.T. -0.000 min

Lab File: VL042752.D

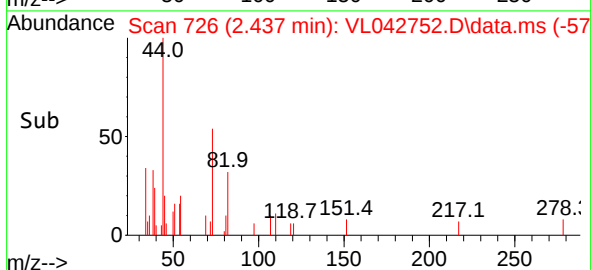
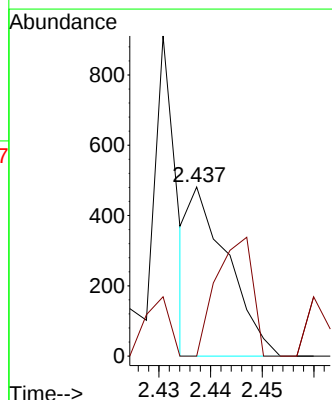
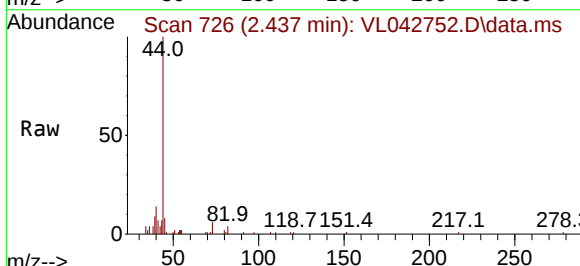
Acq: 23 Jul 2025 11:50

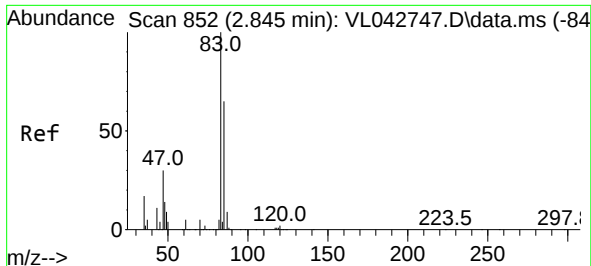
Tgt Ion: 73 Resp: 249

Ion Ratio Lower Upper

73 100

57 153.8 19.8 29.8#





#29

Chloroform

Concen: 0.042 ppbv

RT: 2.842 min Scan# 851

Delta R.T. -0.003 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

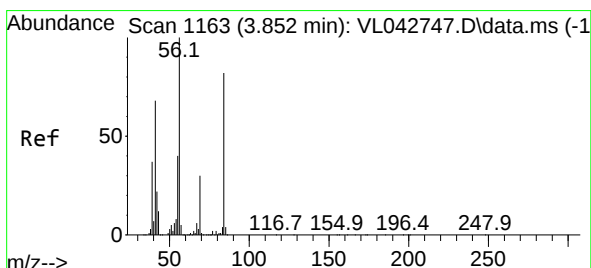
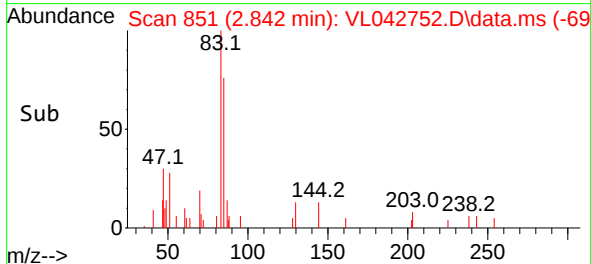
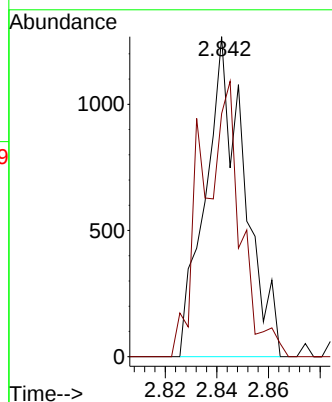
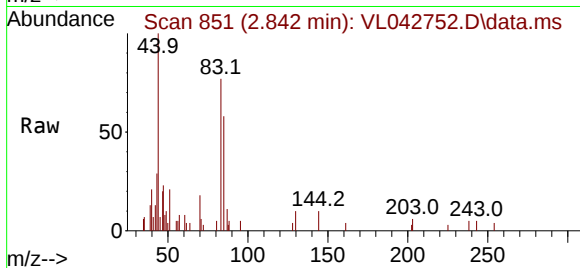
VSTDIC0.03

Tgt Ion: 83 Resp: 1324

Ion Ratio Lower Upper

83 100

85 71.8 52.2 78.2



#30

Cyclohexane

Concen: 0.007 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.000 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

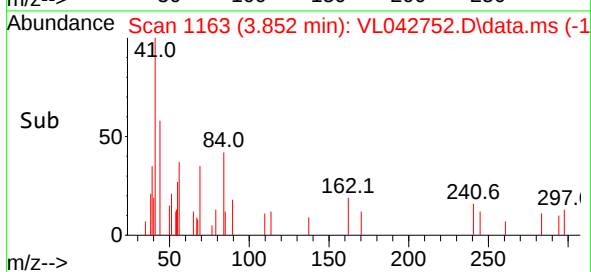
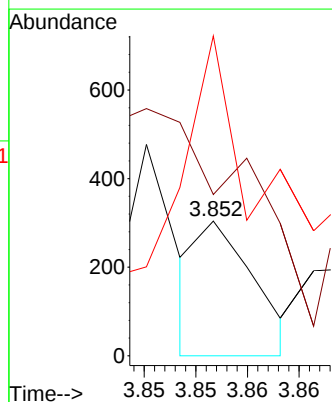
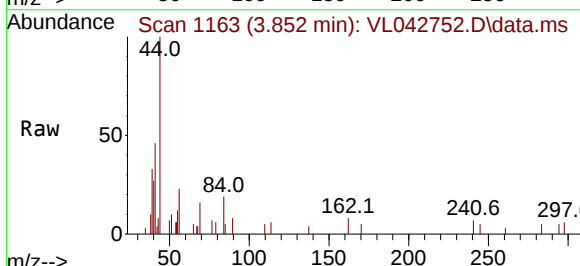
Tgt Ion: 84 Resp: 115

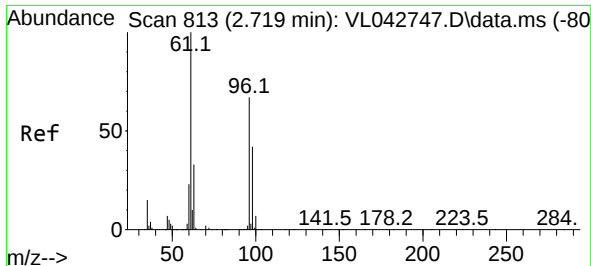
Ion Ratio Lower Upper

84 100

56 0.0 97.5 146.3#

41 1088.7 67.2 100.8#

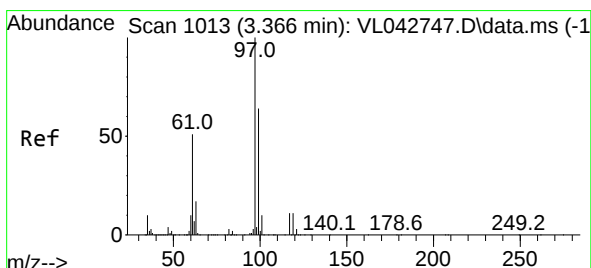
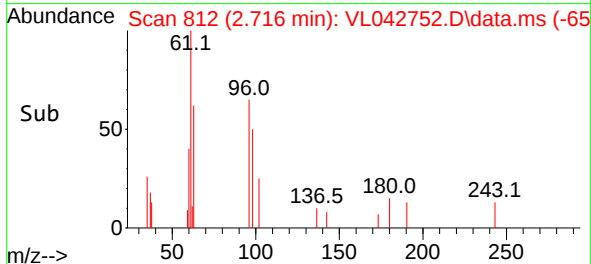
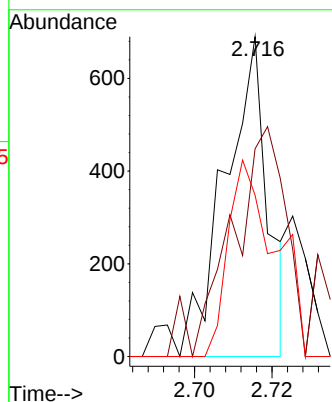
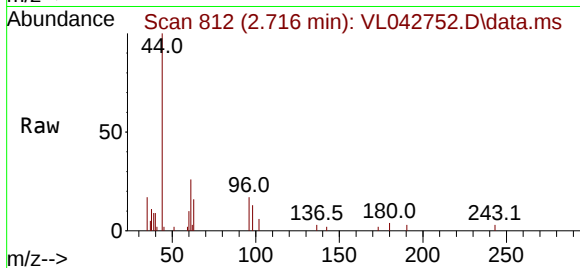




#31
 cis-1,2-Dichloroethene
 Concen: 0.025 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

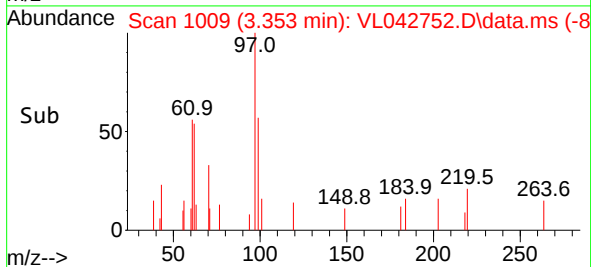
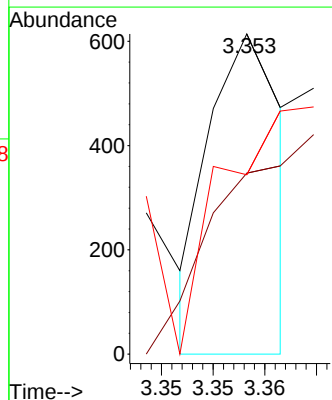
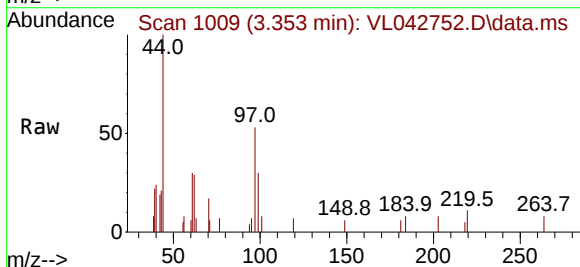
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

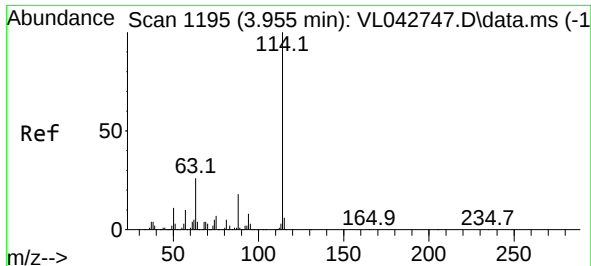
Tgt Ion: 61 Resp: 527
 Ion Ratio Lower Upper
 61 100
 96 46.1 53.5 80.3#
 98 50.4 33.6 50.4#



#32
 1,1,1-Trichloroethane
 Concen: 0.009 ppbv
 RT: 3.353 min Scan# 1009
 Delta R.T. -0.013 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

Tgt Ion: 97 Resp: 302
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.0 76.6#
 61 186.1 40.9 61.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.007 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

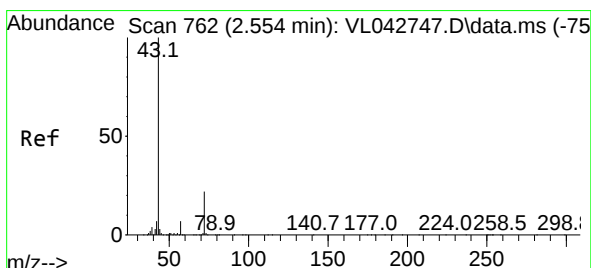
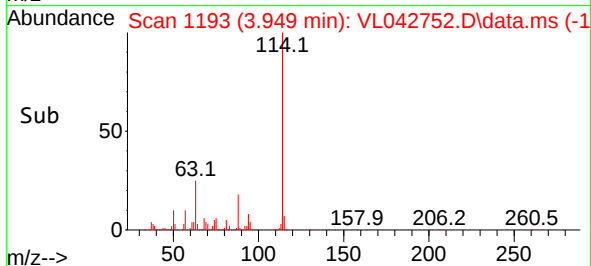
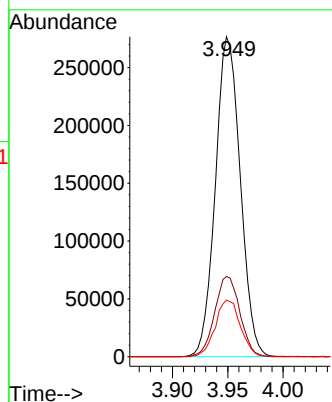
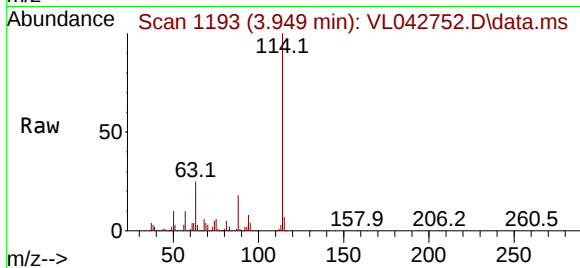
Tgt Ion:114 Resp: 432802

Ion Ratio Lower Upper

114 100

63 25.4 20.5 30.7

88 17.9 14.0 21.0



#34

2-Butanone

Concen: 0.046 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL042752.D

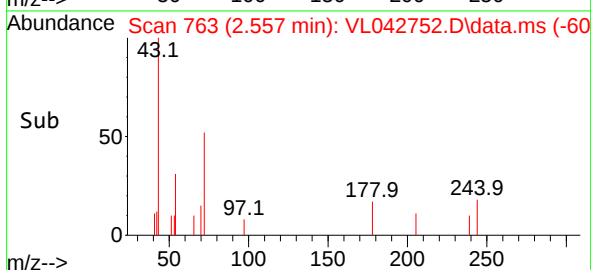
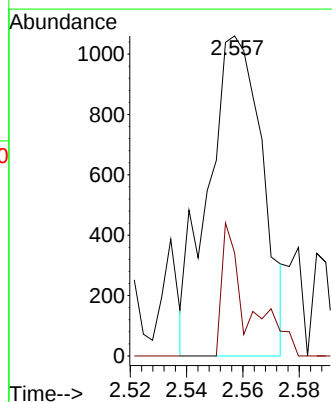
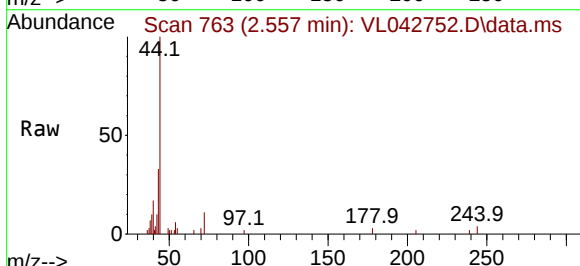
Acq: 23 Jul 2025 11:50

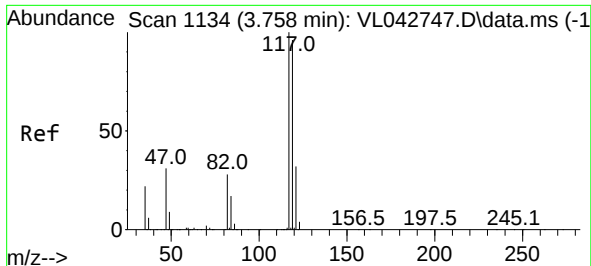
Tgt Ion: 43 Resp: 1423

Ion Ratio Lower Upper

43 100

72 19.7 17.4 26.0

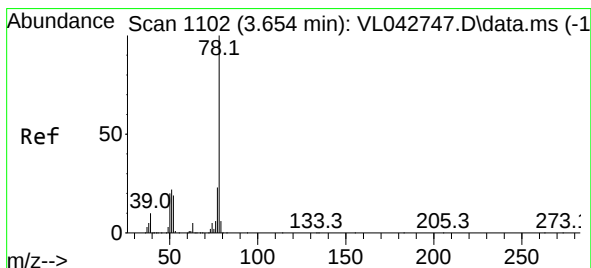
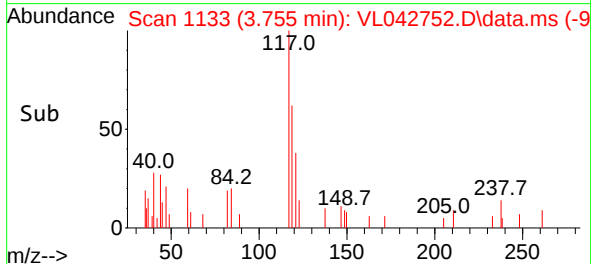
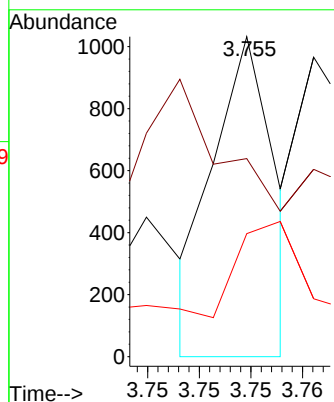
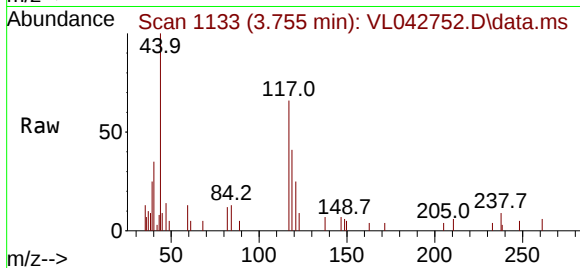




#35
Carbon Tetrachloride
Concen: 0.013 ppbv
RT: 3.755 min Scan# 1134
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

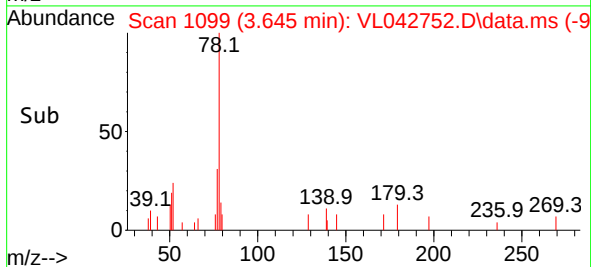
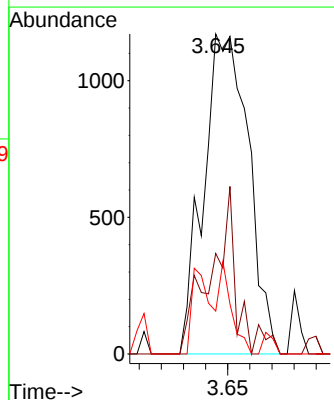
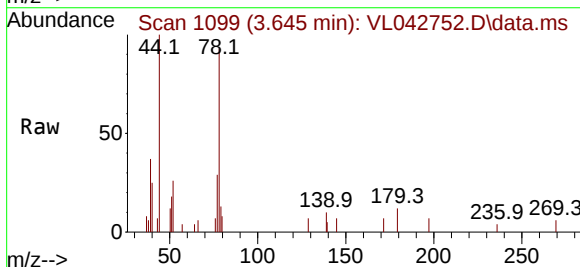
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

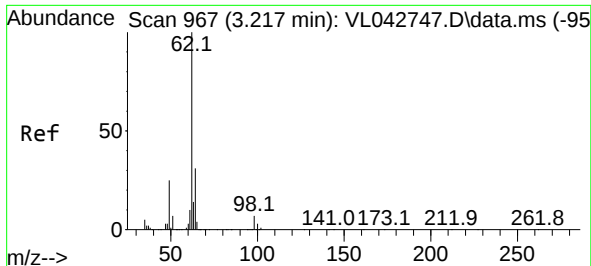
Tgt Ion:117 Resp: 427
Ion Ratio Lower Upper
117 100
119 23.7 77.1 115.7#
121 33.9 25.5 38.3



#36
Benzene
Concen: 0.040 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 78 Resp: 1657
Ion Ratio Lower Upper
78 100
77 31.4 18.5 27.7#
50 13.4 16.2 24.2#





#37

1,2-Dichloroethane

Concen: 0.037 ppbv

RT: 3.214 min Scan# 90

Delta R.T. -0.003 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

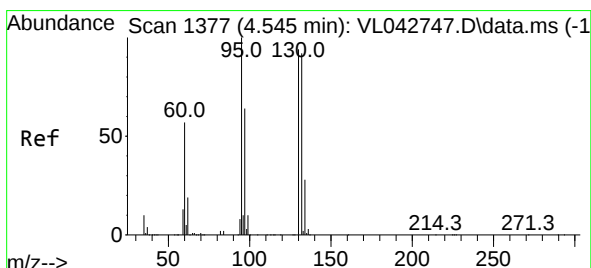
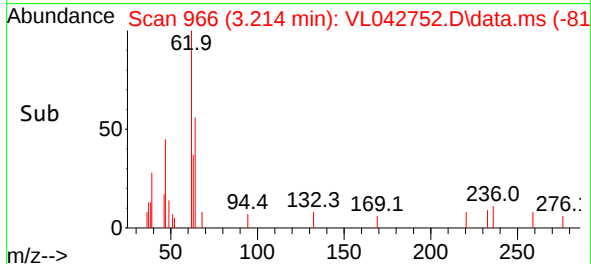
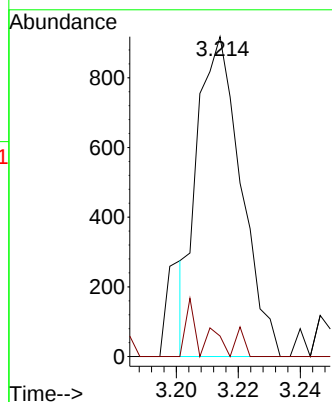
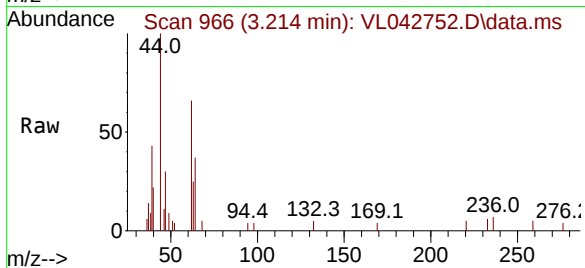
VSTDIC0.03

Tgt Ion: 62 Resp: 902

Ion Ratio Lower Upper

62 100

98 0.0 5.2 7.8#



#38

Trichloroethene

Concen: 0.022 ppbv

RT: 4.535 min Scan# 1374

Delta R.T. -0.010 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Tgt Ion:130 Resp: 438

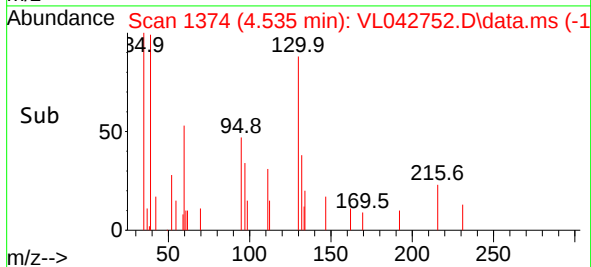
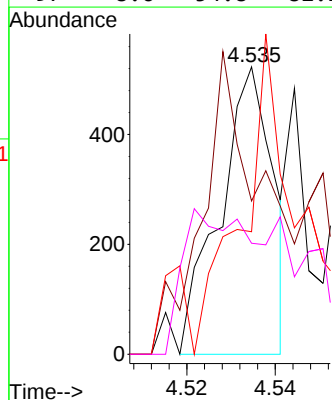
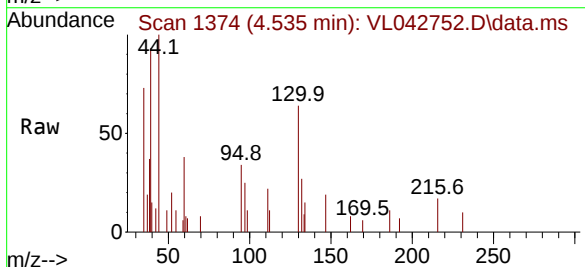
Ion Ratio Lower Upper

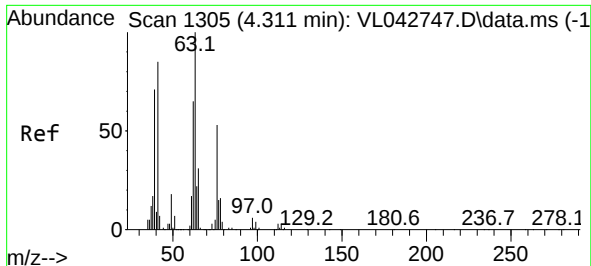
130 100

95 38.0 85.4 128.2#

132 11.9 78.2 117.2#

97 8.6 54.8 82.2#





#39

1,2-Dichloropropane

Concen: 7.257 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.363 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

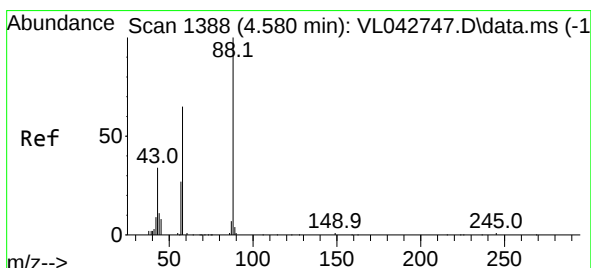
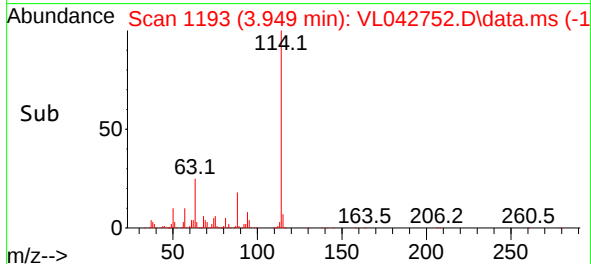
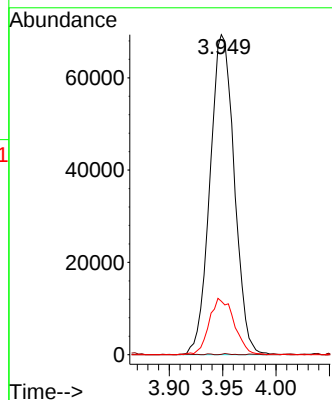
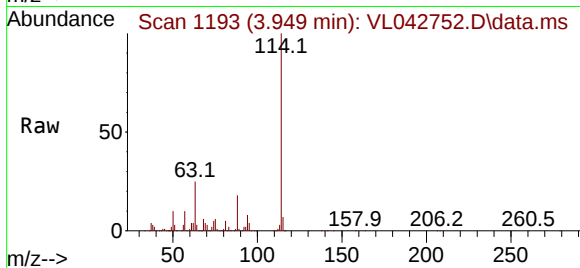
Tgt Ion: 63 Resp: 109883

Ion Ratio Lower Upper

63 100

41 0.0 68.2 102.4#

62 16.7 52.0 78.0#



#40

1,4-Dioxane

Concen: 0.004 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. -0.039 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Tgt Ion: 88 Resp: 32

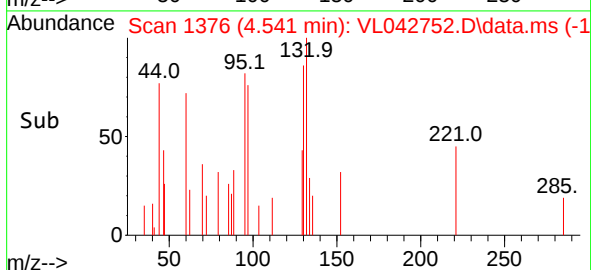
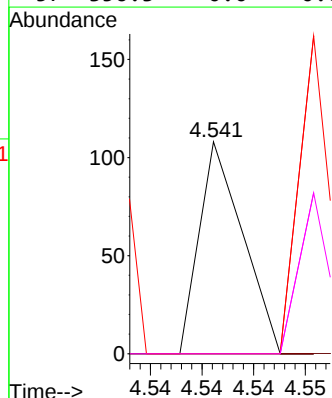
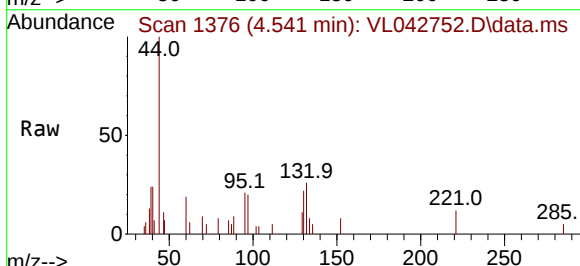
Ion Ratio Lower Upper

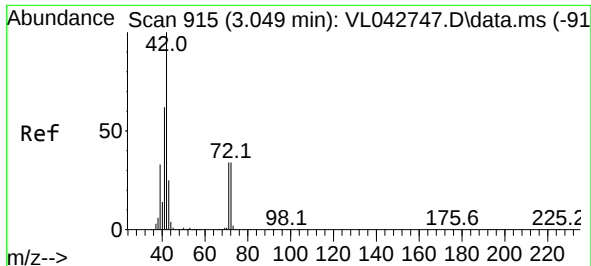
88 100

58 0.0 58.8 88.2#

43 456.3 28.9 43.3#

57 356.3 0.0 0.0#

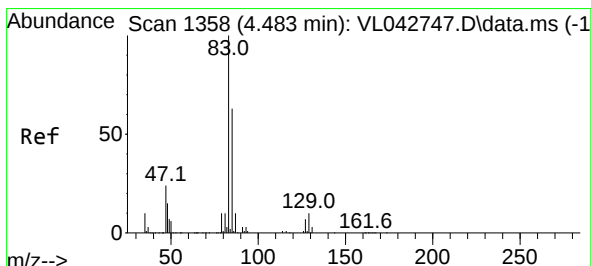
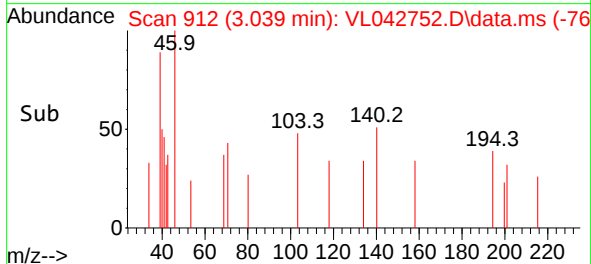
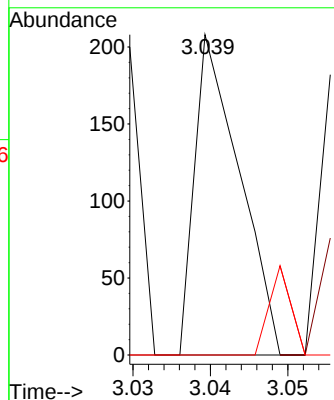
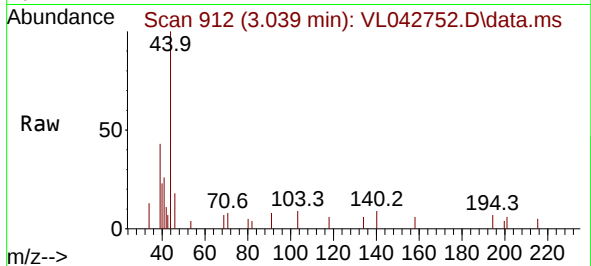




#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.039 min Scan# 915
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

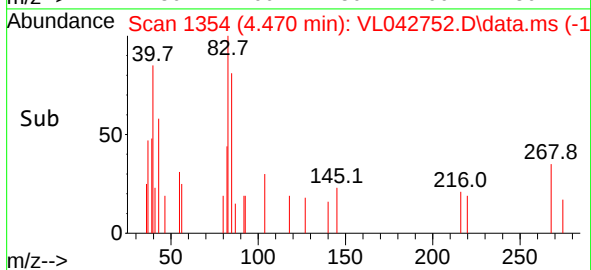
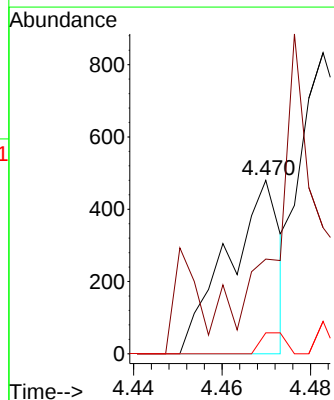
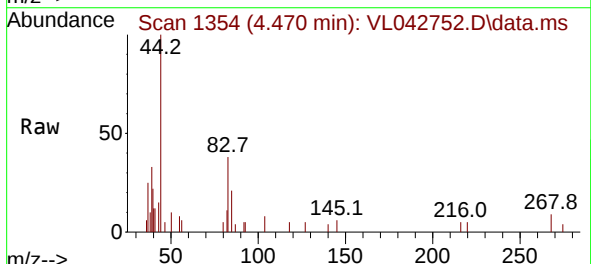
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

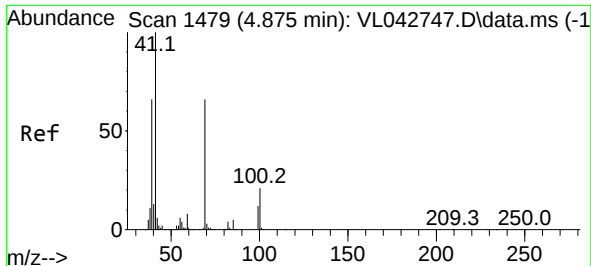
Tgt Ion: 42 Resp: 84
Ion Ratio Lower Upper
42 100
72 0.0 30.9 46.3#
71 0.0 28.6 43.0#



#42
Bromodichloromethane
Concen: 0.012 ppbv
RT: 4.470 min Scan# 1354
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 83 Resp: 390
Ion Ratio Lower Upper
83 100
85 0.8 50.2 75.4#
127 12.1 5.4 8.2#

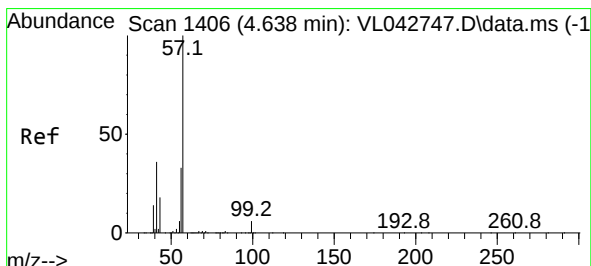
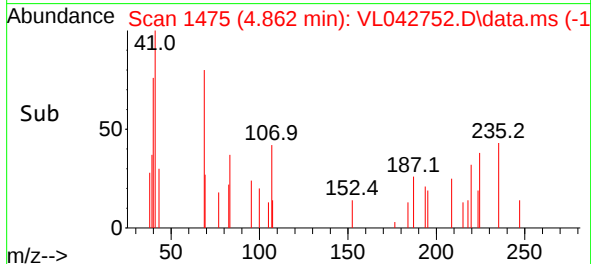
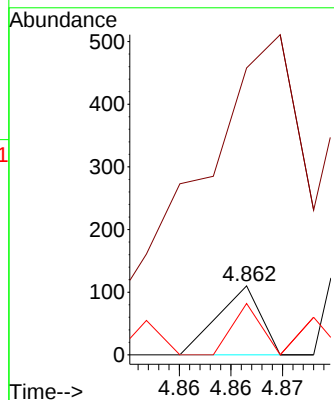
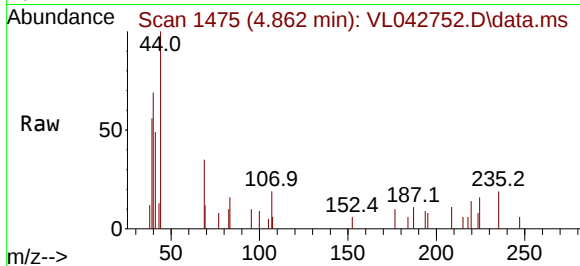




#43
Methyl Methacrylate
Concen: 0.002 ppbv
RT: 4.862 min Scan# 1475
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

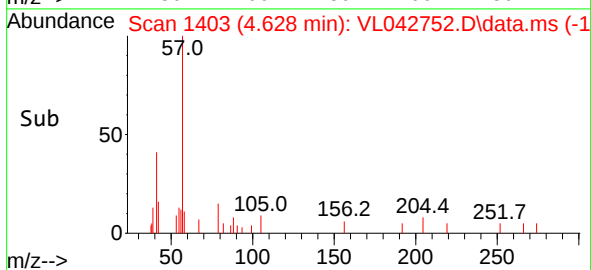
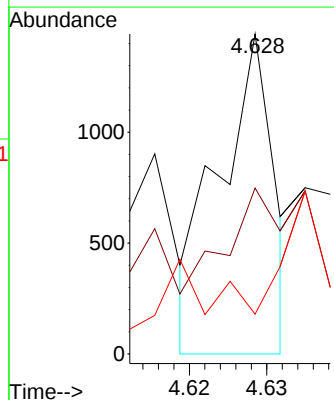
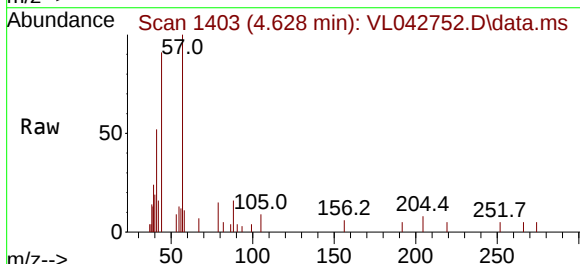
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

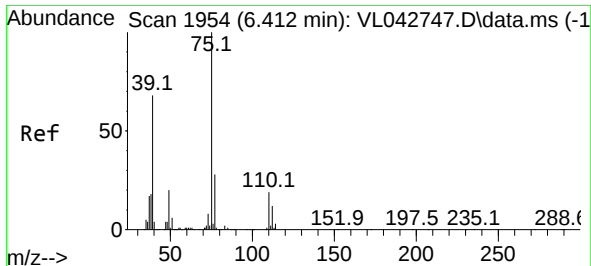
Tgt Ion: 69 Resp: 32
Ion Ratio Lower Upper
69 100
41 0.0 125.7 188.5#
100 0.0 28.6 42.8#



#44
2,2,4-Trimethylpentane
Concen: 0.011 ppbv
RT: 4.628 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 57 Resp: 714
Ion Ratio Lower Upper
57 100
41 271.0 28.3 42.5#
56 132.9 25.8 38.6#





#45

t-1,3-Dichloropropene

Concen: 0.015 ppbv

RT: 6.392 min Scan# 1954

Delta R.T. -0.020 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

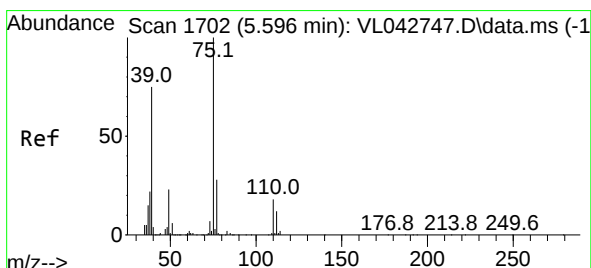
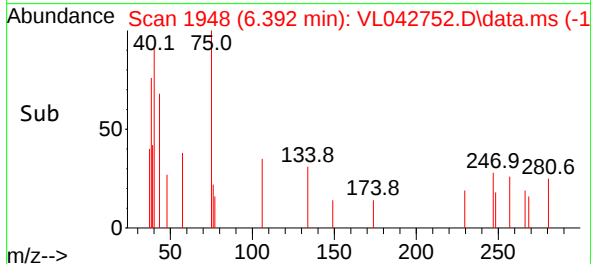
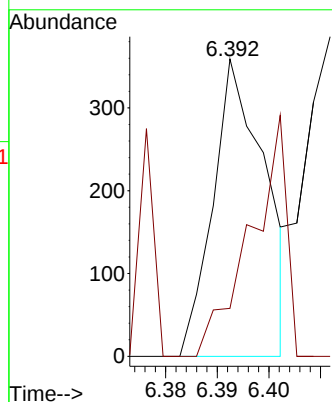
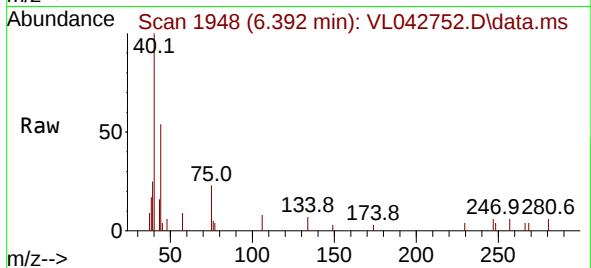
VSTDIC0.03

Tgt Ion: 75 Resp: 252

Ion Ratio Lower Upper

75 100

77 16.2 22.4 33.6#



#46

cis-1,3-Dichloropropene

Concen: 0.012 ppbv

RT: 5.590 min Scan# 1700

Delta R.T. -0.007 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

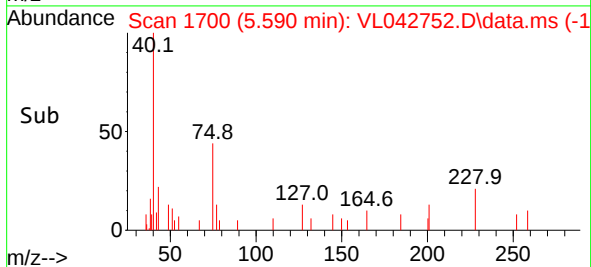
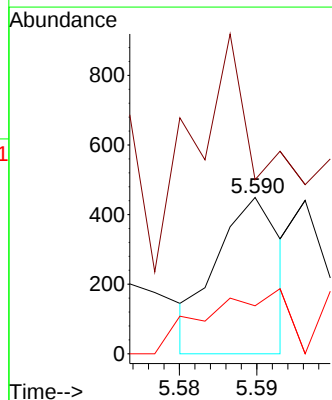
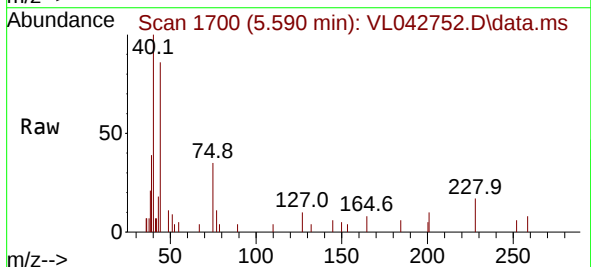
Tgt Ion: 75 Resp: 259

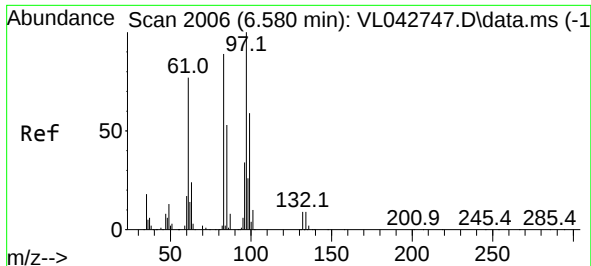
Ion Ratio Lower Upper

75 100

39 0.0 60.2 90.2#

77 9.9 22.6 34.0#





#47

1,1,2-Trichloroethane

Concen: 0.014 ppbv

RT: 6.570 min Scan# 2006

Delta R.T. -0.010 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 97 Resp: 226

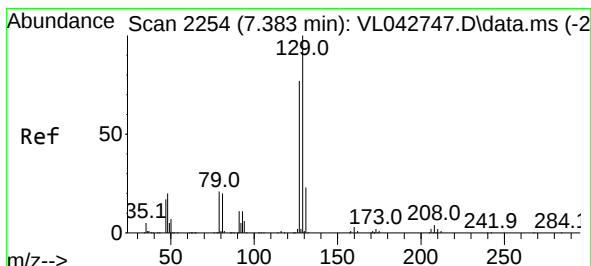
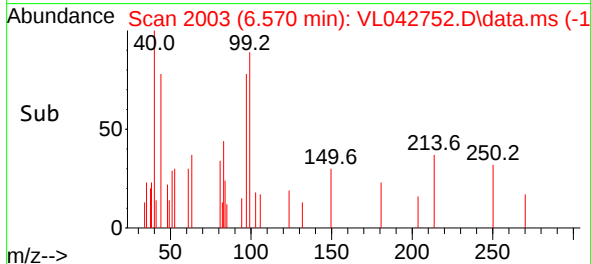
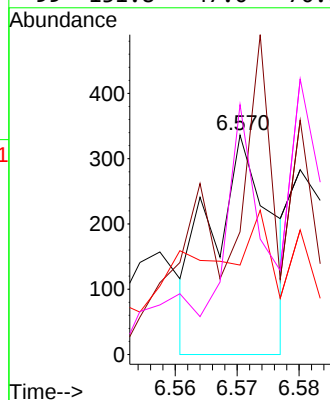
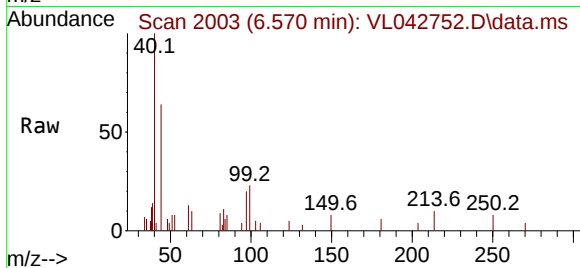
Ion Ratio Lower Upper

97 100

83 33.2 71.1 106.7#

85 23.2 43.0 64.4#

99 131.8 47.0 70.6#



#48

Dibromochloromethane

Concen: 0.008 ppbv

RT: 7.370 min Scan# 2250

Delta R.T. -0.013 min

Lab File: VL042752.D

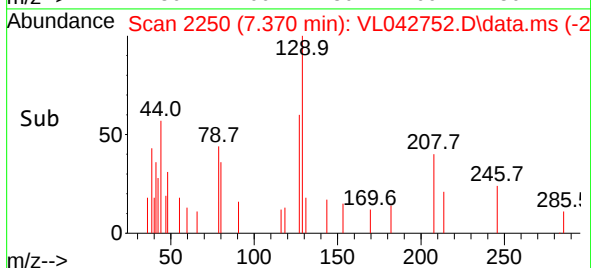
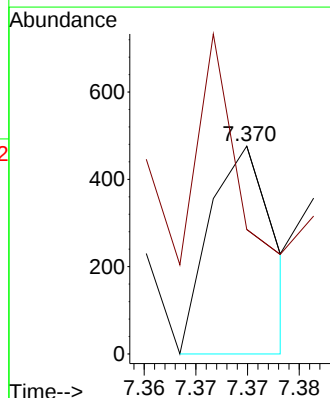
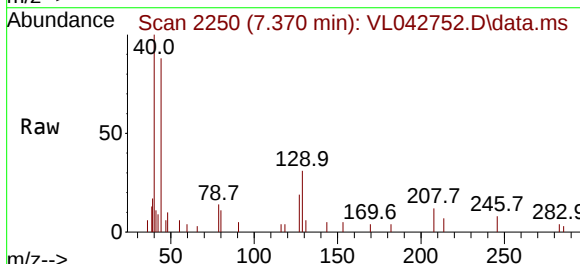
Acq: 23 Jul 2025 11:50

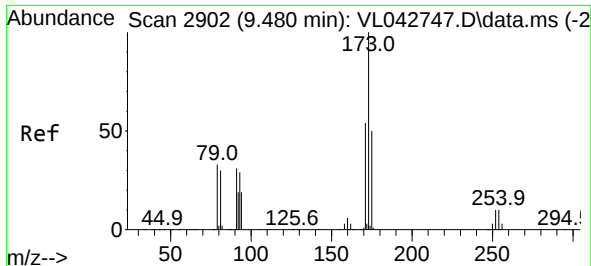
Tgt Ion: 129 Resp: 206

Ion Ratio Lower Upper

129 100

127 397.1 38.7 116.1#

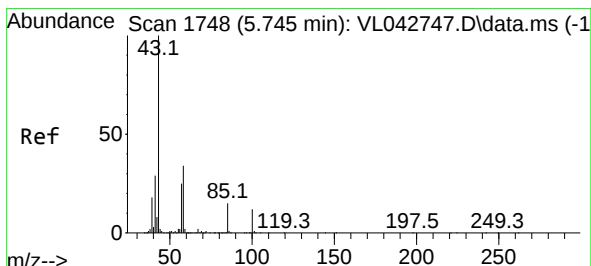
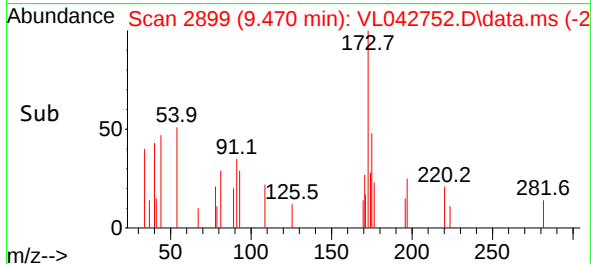
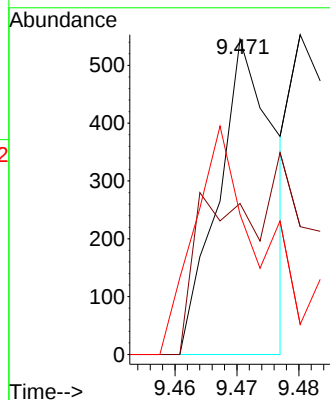
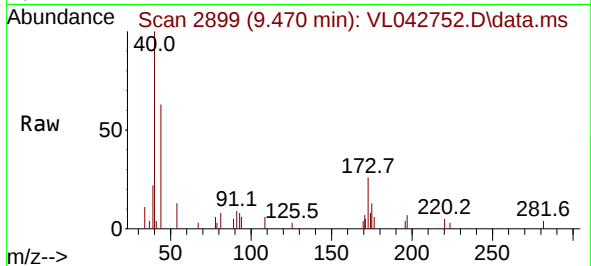




#49
Bromoform
Concen: 0.015 ppbv
RT: 9.470 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

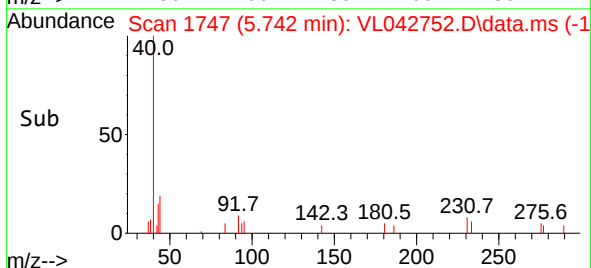
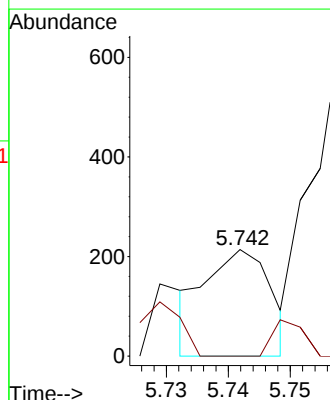
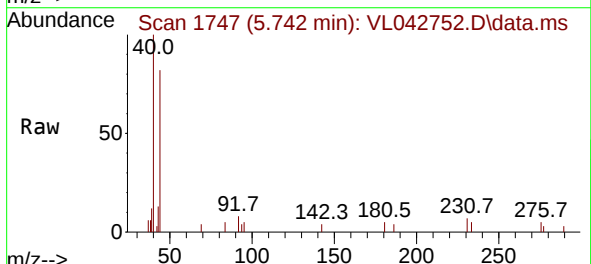
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

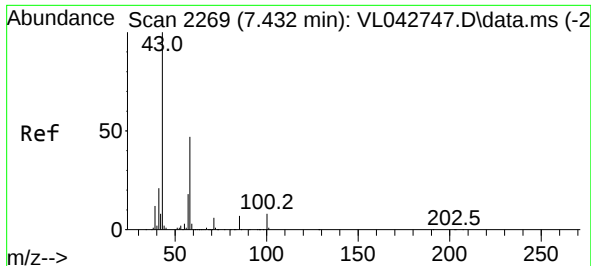
Tgt Ion:173 Resp: 346
Ion Ratio Lower Upper
173 100
175 0.0 38.4 57.6#
171 97.1 40.9 61.3#



#50
4-Methyl-2-Pentanone
Concen: 0.004 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

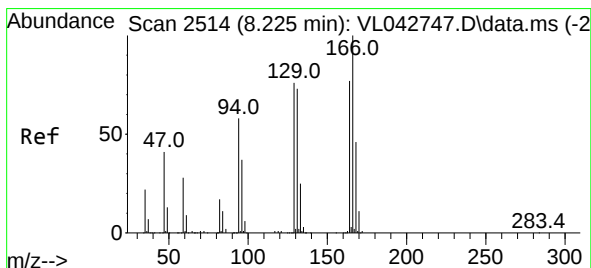
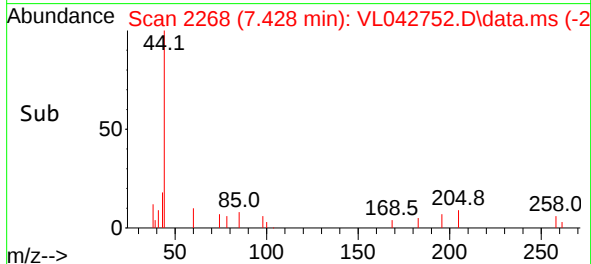
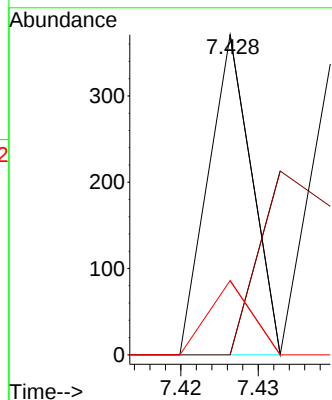
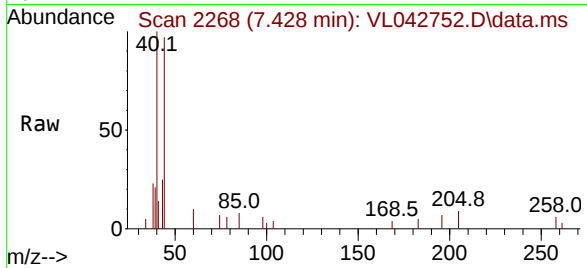




#51
2-Hexanone
Concen: 0.002 ppbv
RT: 7.428 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

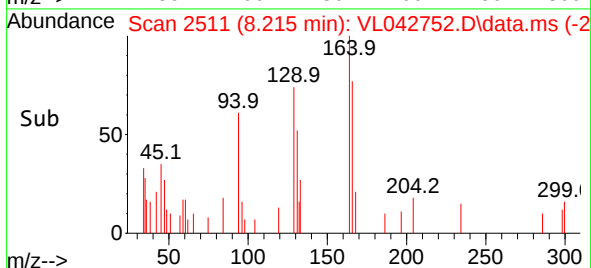
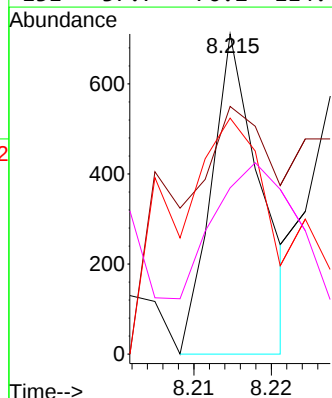
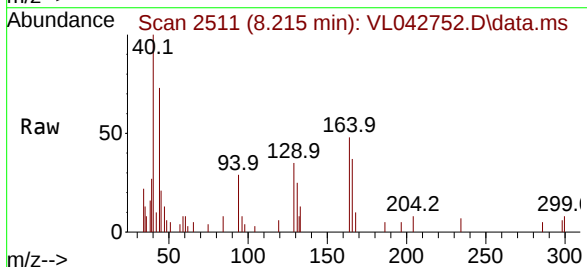
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

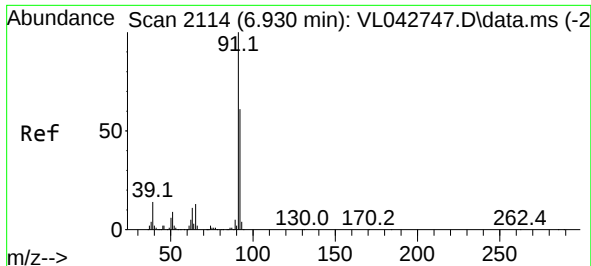
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 0.0 38.0 57.0#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.019 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 164 Resp: 317
Ion Ratio Lower Upper
164 100
166 34.6 104.0 156.0#
129 50.2 79.2 118.8#
131 37.7 76.2 114.4#

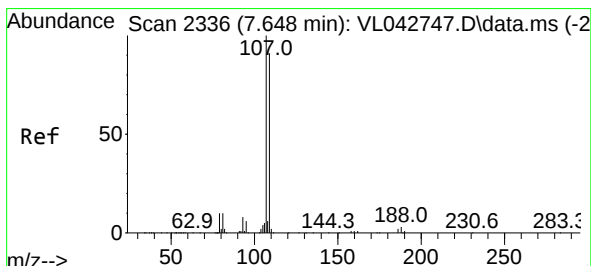
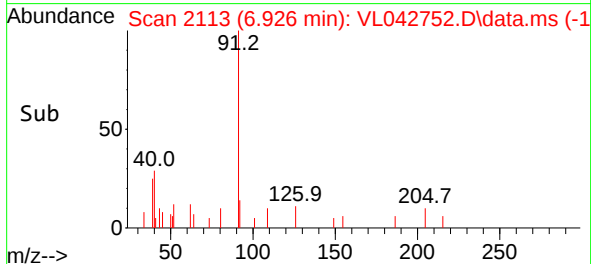
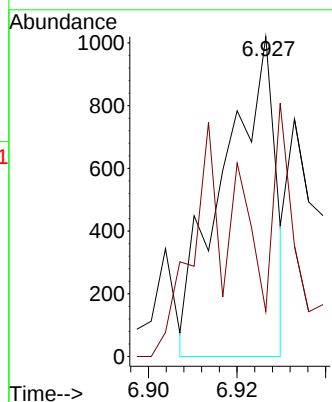
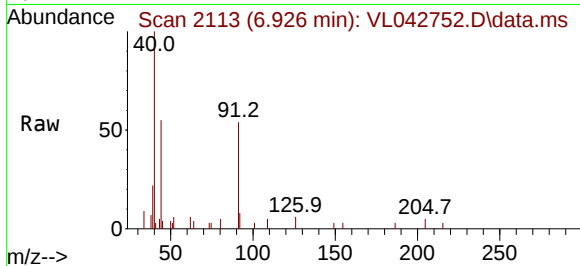




#53
Toluene
Concen: 0.019 ppbv
RT: 6.926 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

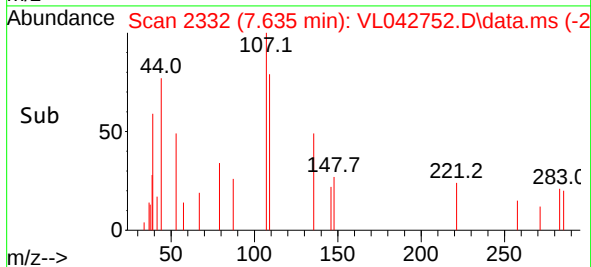
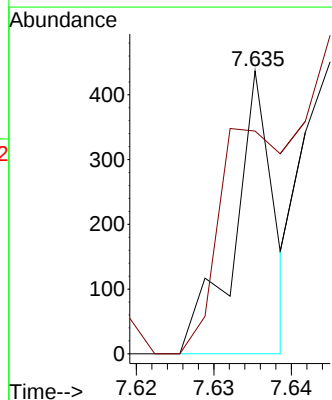
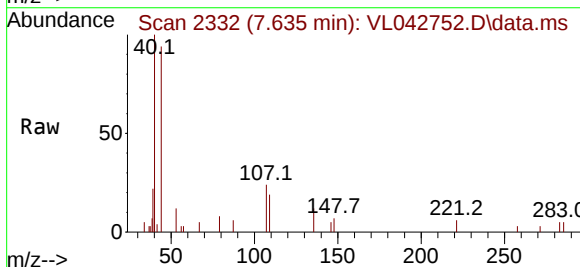
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

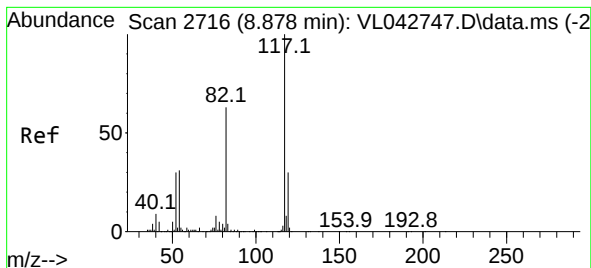
Tgt Ion: 91 Resp: 832
Ion Ratio Lower Upper
91 100
92 0.0 48.0 72.0#



#54
1,2-Dibromoethane
Concen: 0.007 ppbv
RT: 7.635 min Scan# 2332
Delta R.T. -0.013 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 107 Resp: 155
Ion Ratio Lower Upper
107 100
109 78.7 72.7 109.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

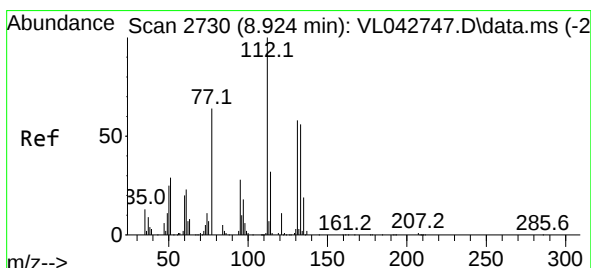
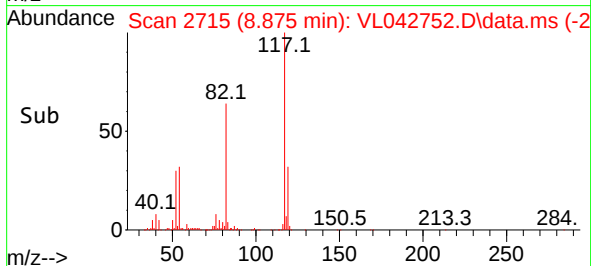
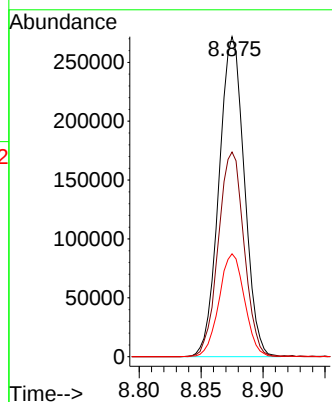
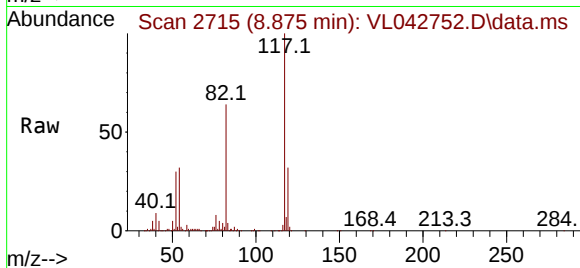
Tgt Ion:117 Resp: 387541

Ion Ratio Lower Upper

117 100

82 65.0 53.3 79.9

119 32.6 25.8 38.6



#56

1,1,1,2-Tetrachloroethane

Concen: 0.023 ppbv

RT: 8.924 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

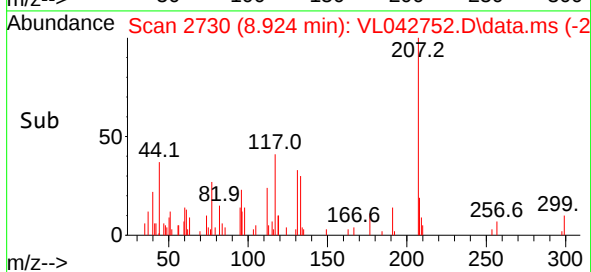
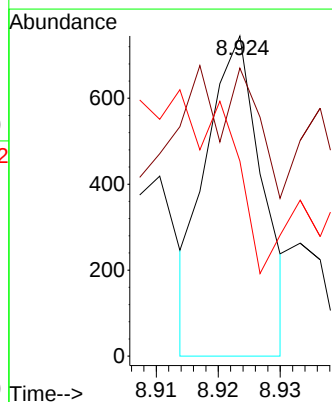
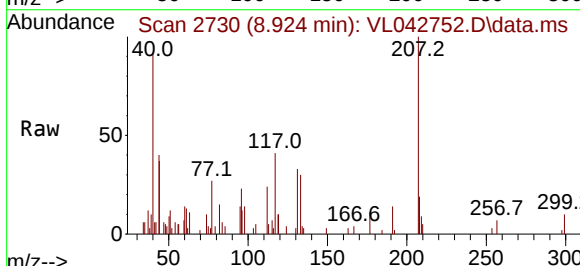
Tgt Ion:131 Resp: 471

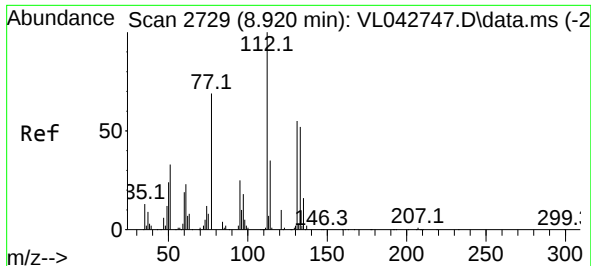
Ion Ratio Lower Upper

131 100

133 307.0 76.8 115.2#

119 0.0 49.7 74.5#





#57

Chlorobenzene

Concen: 0.023 ppbv

RT: 8.914 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

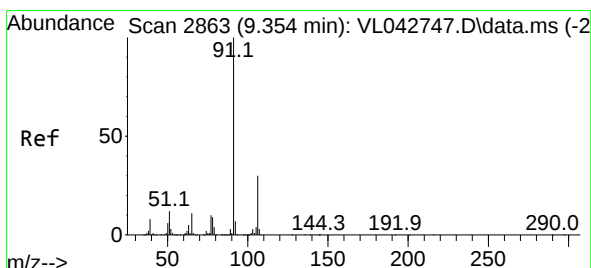
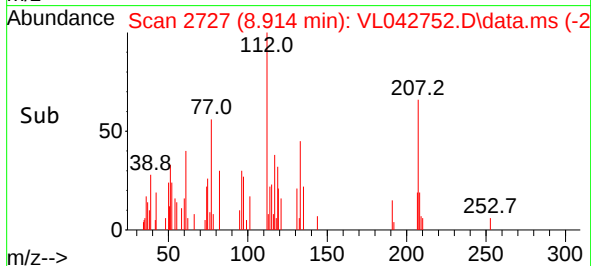
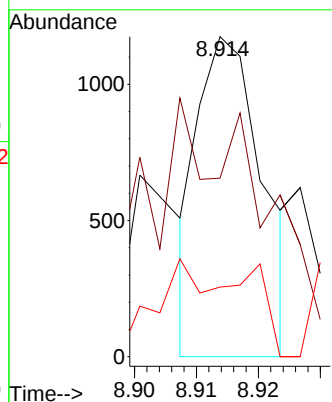
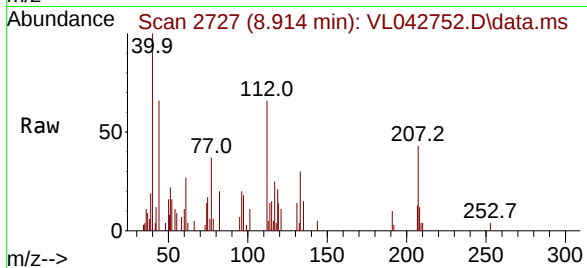
Tgt Ion:112 Resp: 852

Ion Ratio Lower Upper

112 100

77 9.3 56.4 84.6#

114 38.4 31.2 38.2#



#58

Ethyl Benzene

Concen: 0.014 ppbv

RT: 9.344 min Scan# 2860

Delta R.T. -0.010 min

Lab File: VL042752.D

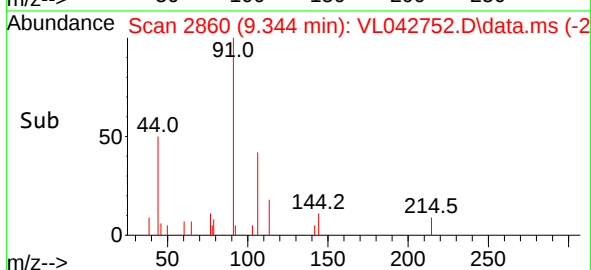
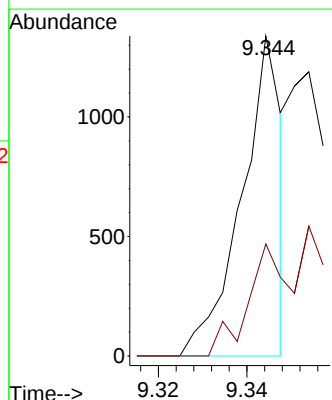
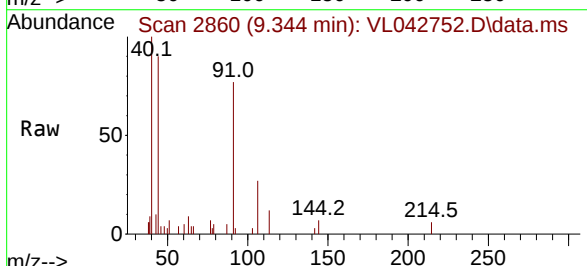
Acq: 23 Jul 2025 11:50

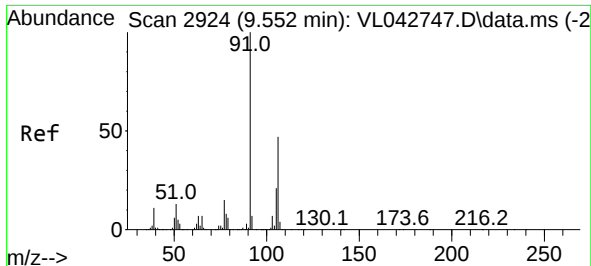
Tgt Ion: 91 Resp: 837

Ion Ratio Lower Upper

91 100

106 35.0 23.8 35.6





#59

m/p-Xylene

Concen: 0.022 ppbv

RT: 9.548 min Scan# 29

Delta R.T. -0.003 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

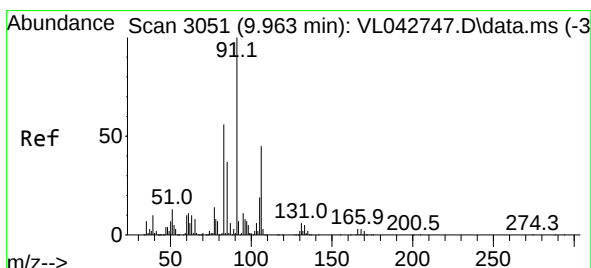
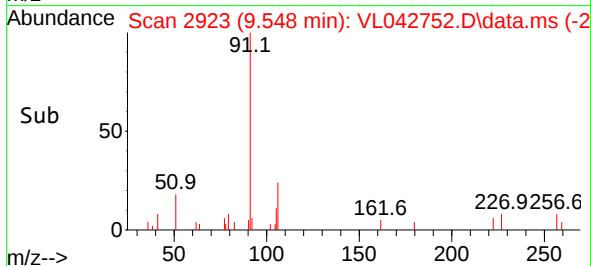
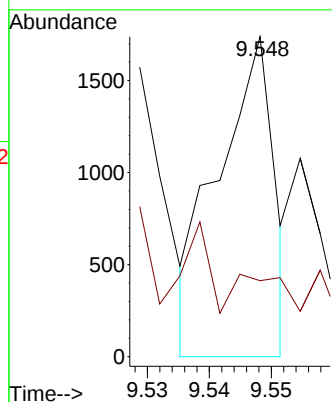
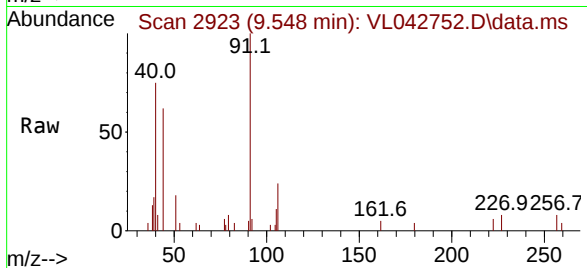
VSTDICC0.03

Tgt Ion: 91 Resp: 1097

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#



#60

o-Xylene

Concen: 0.029 ppbv

RT: 9.953 min Scan# 3048

Delta R.T. -0.010 min

Lab File: VL042752.D

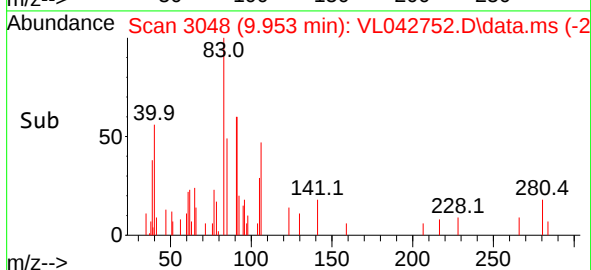
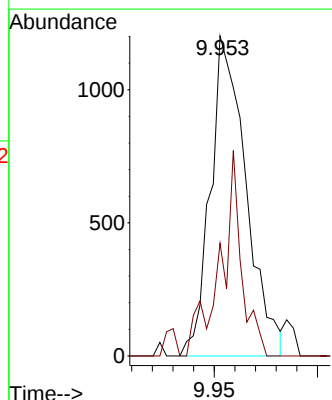
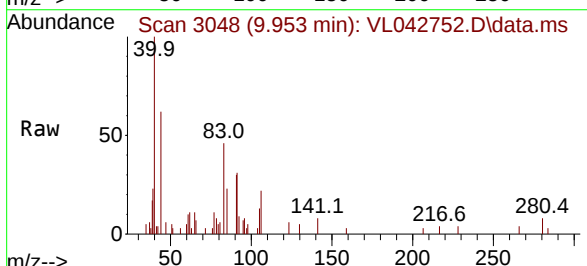
Acq: 23 Jul 2025 11:50

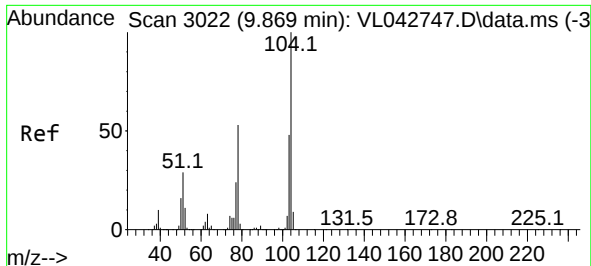
Tgt Ion: 91 Resp: 1440

Ion Ratio Lower Upper

91 100

106 41.0 22.0 66.0

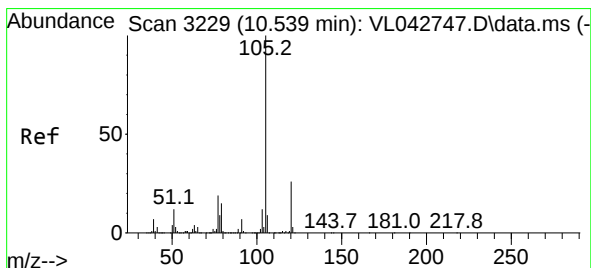
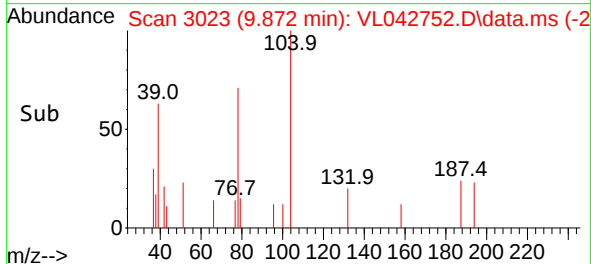
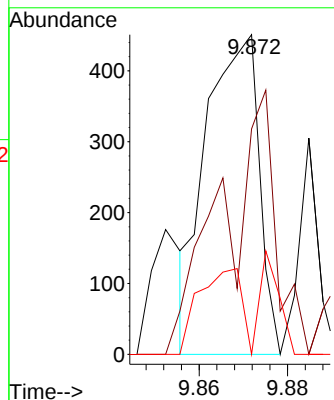
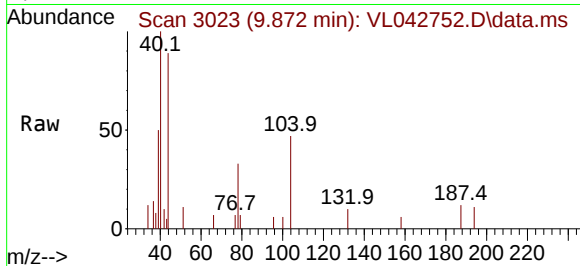




#61
Styrene
Concen: 0.018 ppbv
RT: 9.872 min Scan# 3022
Delta R.T. 0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

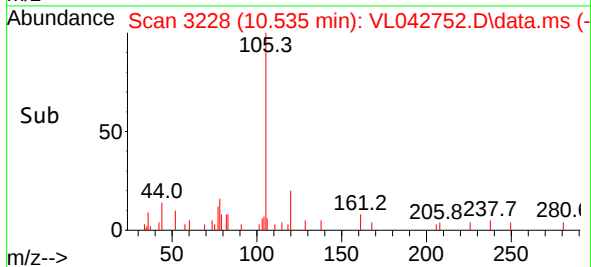
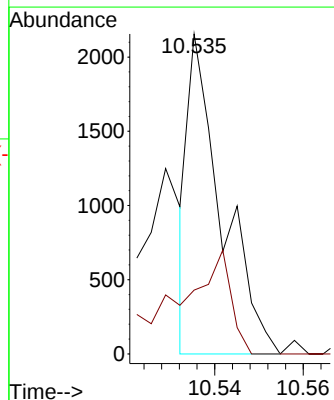
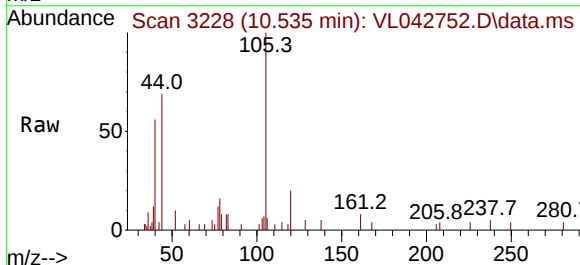
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

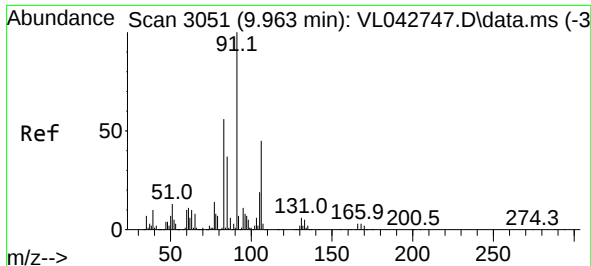
Tgt Ion:104 Resp: 373
Ion Ratio Lower Upper
104 100
78 95.4 41.5 62.3#
103 33.5 37.5 56.3#



#62
Isopropylbenzene
Concen: 0.016 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:105 Resp: 1137
Ion Ratio Lower Upper
105 100
120 52.0 20.5 30.7#

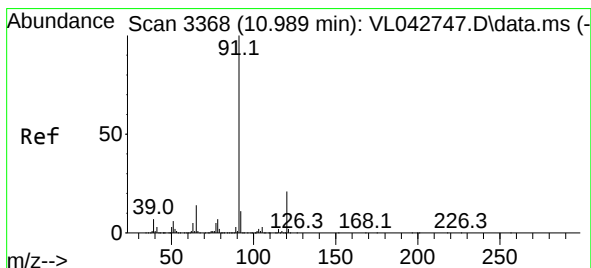
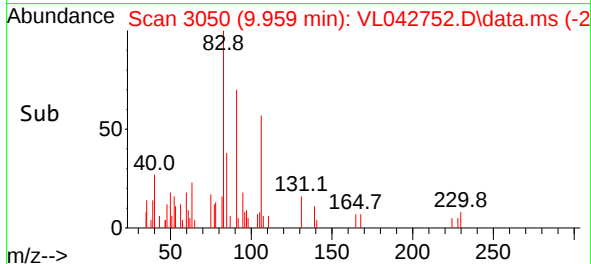
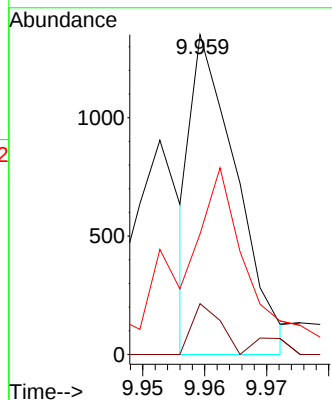
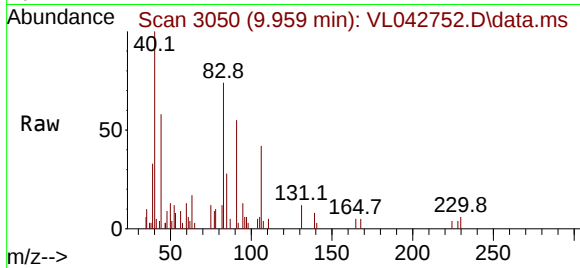




#63
1,1,2,2-Tetrachloroethane
Concen: 0.022 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

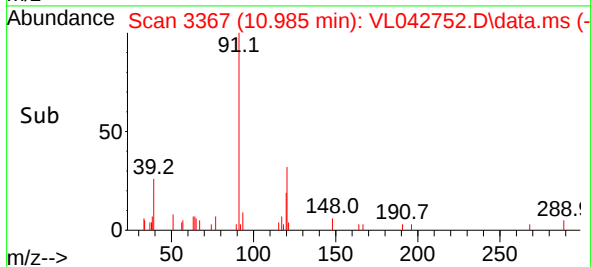
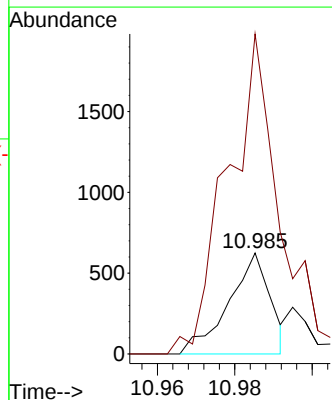
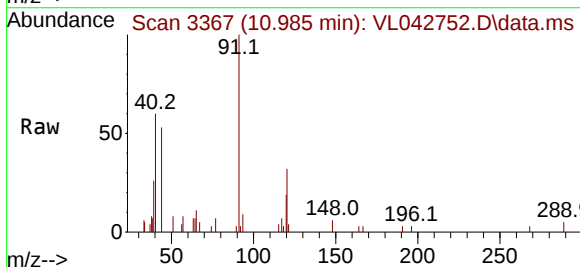
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

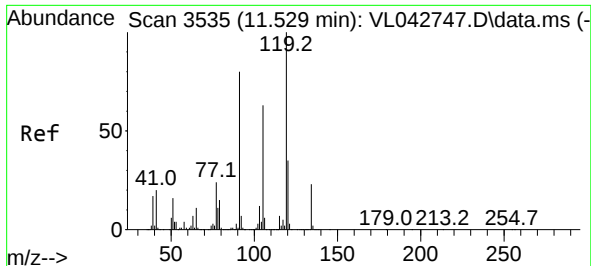
Tgt Ion: 83 Resp: 685
Ion Ratio Lower Upper
83 100
131 14.2 5.0 15.0
85 102.5 32.6 97.7#



#64
n-propylbenzene
Concen: 0.025 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 120 Resp: 465
Ion Ratio Lower Upper
120 100
91 408.8 372.7 559.1

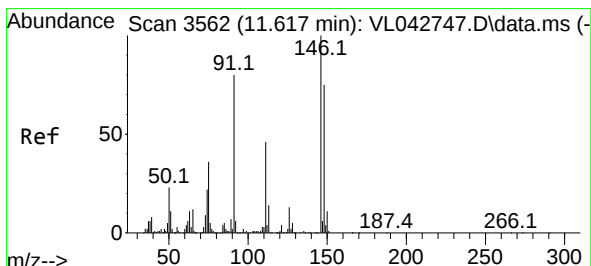
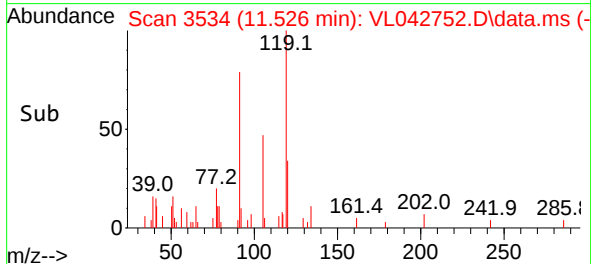
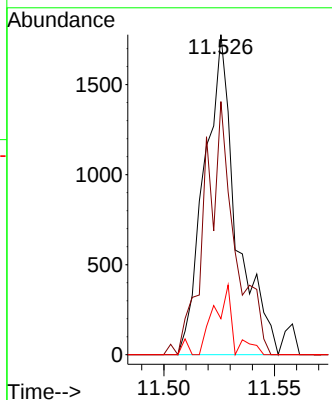
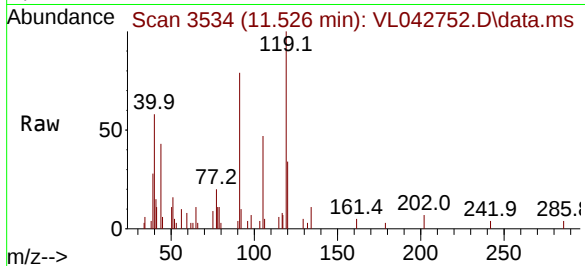




#65
tert-Butylbenzene
Concen: 0.028 ppbv
RT: 11.526 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

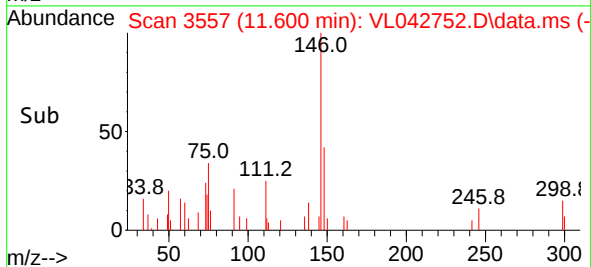
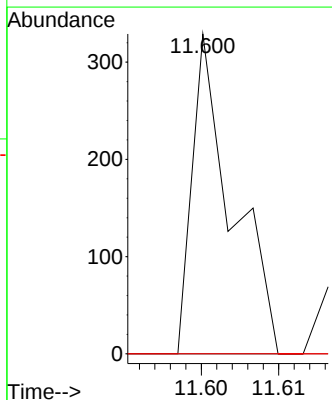
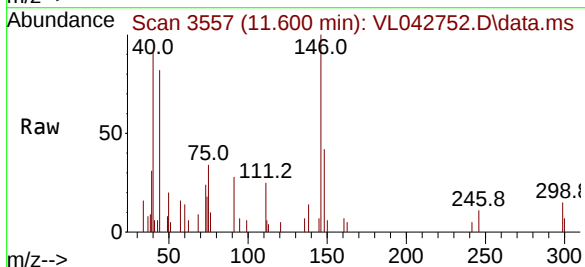
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

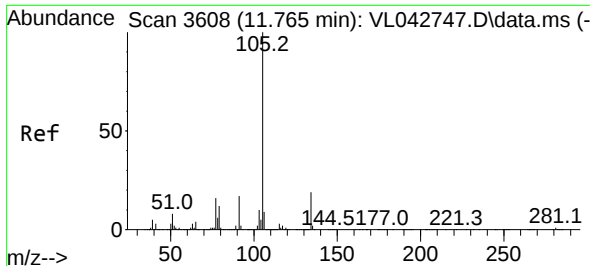
Tgt Ion:	119	Resp:	1786
Ion	Ratio	Lower	Upper
119	100		
91	74.6	64.0	96.0
134	14.2	17.3	25.9#



#66
Benzyl Chloride
Concen: 0.022 ppbv
RT: 11.600 min Scan# 3557
Delta R.T. -0.016 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:	91	Resp:	118
Ion	Ratio	Lower	Upper
91	100		
126	38.1	14.4	21.6#
128	0.0	5.2	7.8#





#67

sec-Butylbenzene

Concen: 0.016 ppbv

RT: 11.529 min Scan# 3177

Delta R.T. -0.236 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

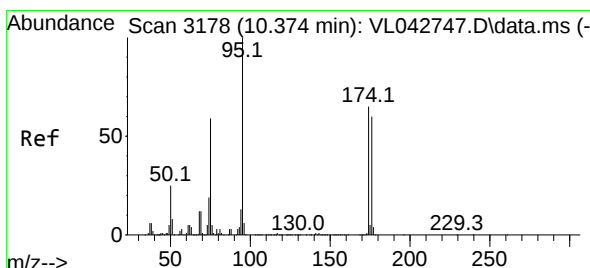
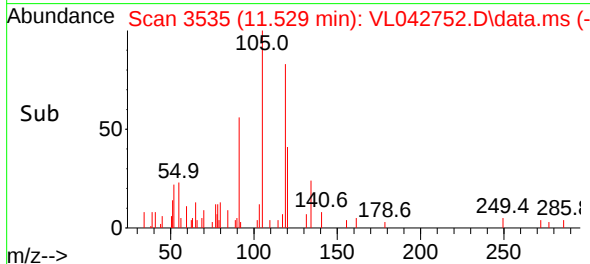
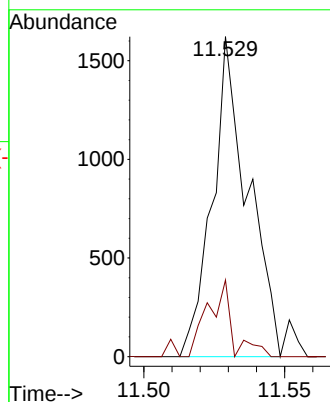
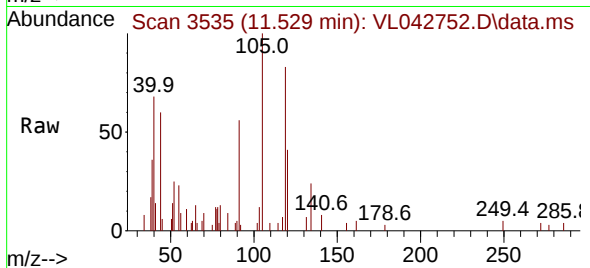
VSTDIC0.03

Tgt Ion:105 Resp: 1421

Ion Ratio Lower Upper

105 100

134 17.8 15.5 23.3



#68

1-Bromo-4-Fluorobenzene

Concen: 9.845 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. -0.003 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

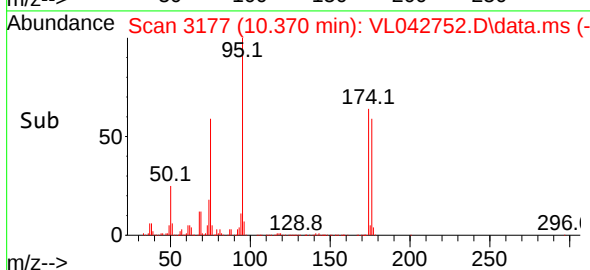
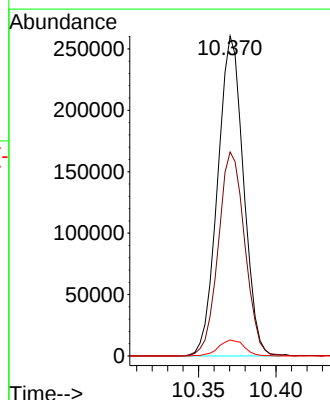
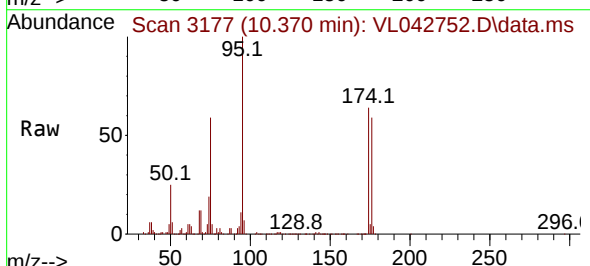
Tgt Ion: 95 Resp: 302164

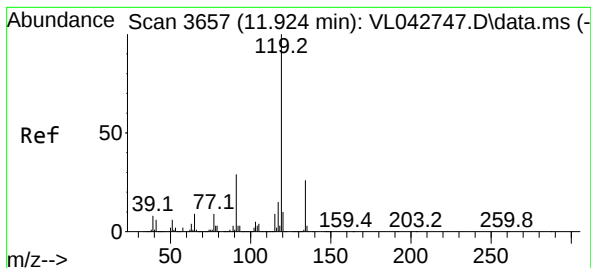
Ion Ratio Lower Upper

95 100

174 65.6 53.8 80.6

175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.019 ppbv

RT: 11.921 min Scan# 3656

Delta R.T. -0.003 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

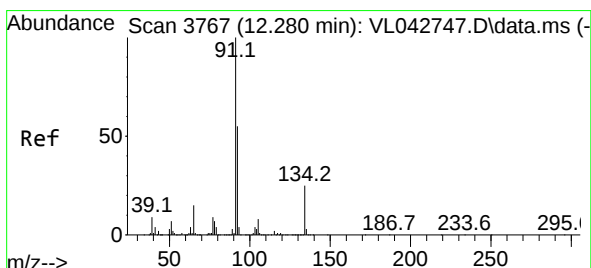
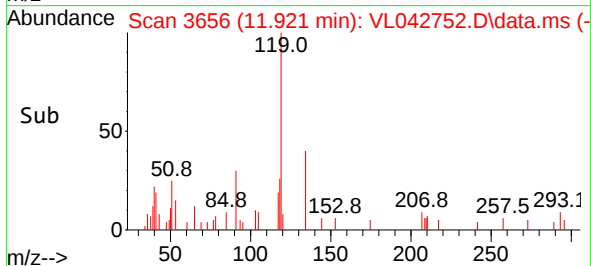
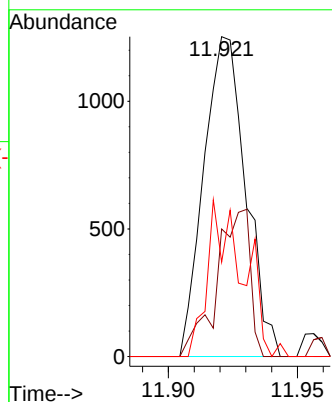
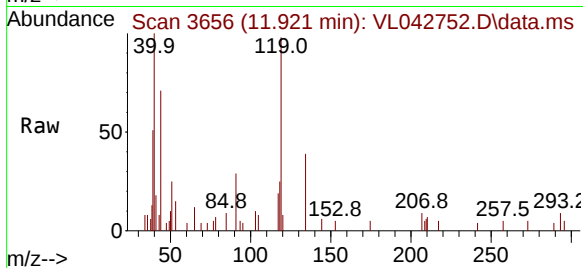
Tgt Ion:119 Resp: 1420

Ion Ratio Lower Upper

119 100

134 36.6 20.6 31.0#

91 41.5 23.2 34.8#



#70

n-Butylbenzene

Concen: 0.008 ppbv

RT: 12.273 min Scan# 3765

Delta R.T. -0.007 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

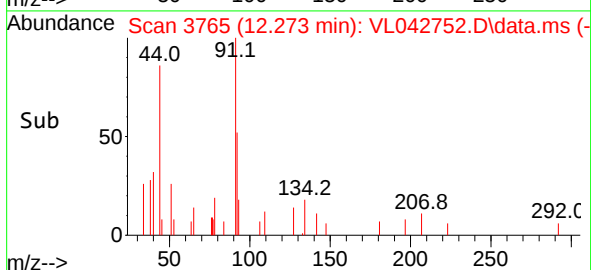
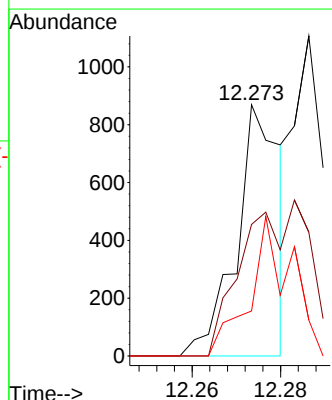
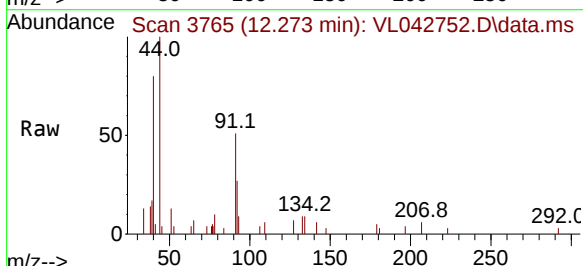
Tgt Ion: 91 Resp: 591

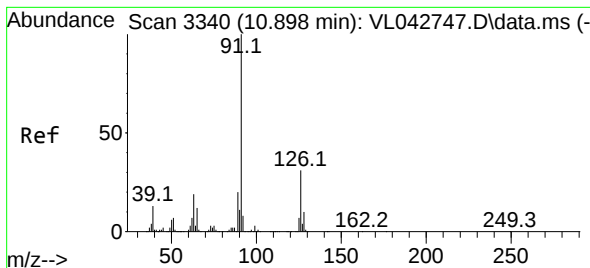
Ion Ratio Lower Upper

91 100

92 0.0 43.4 65.2#

134 62.9 19.6 29.4#

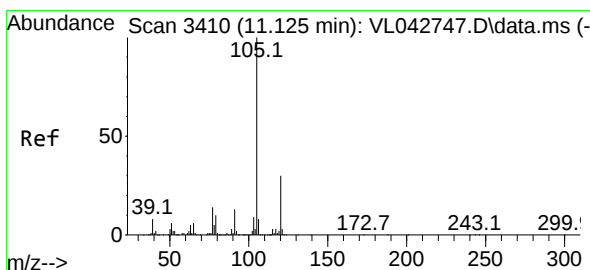
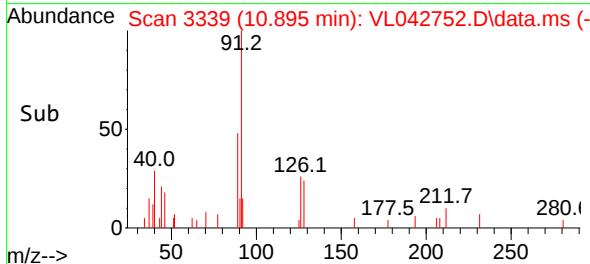
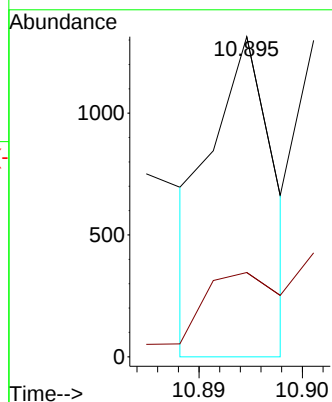
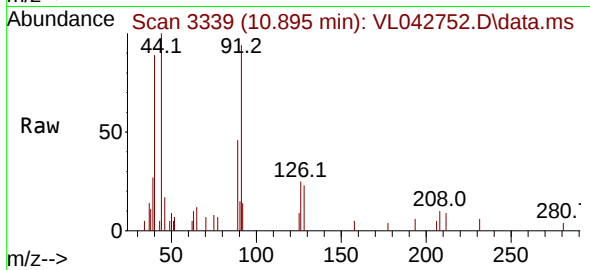




#71
2-Chlorotoluene
Concen: 0.010 ppbv
RT: 10.895 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

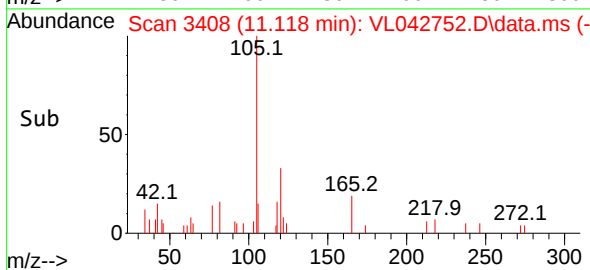
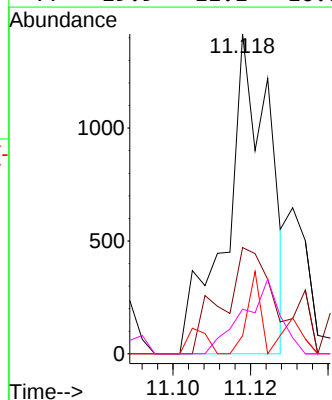
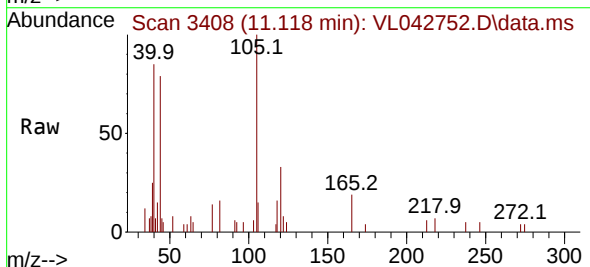
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

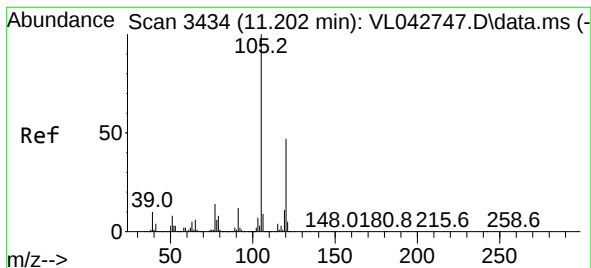
Tgt Ion: 91 Resp: 547
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.2#



#72
4-Ethyltoluene
Concen: 0.019 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.007 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion: 105 Resp: 1098
Ion Ratio Lower Upper
105 100
120 48.5 24.4 36.6#
91 11.5 10.6 15.8
77 19.9 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.025 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.000 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

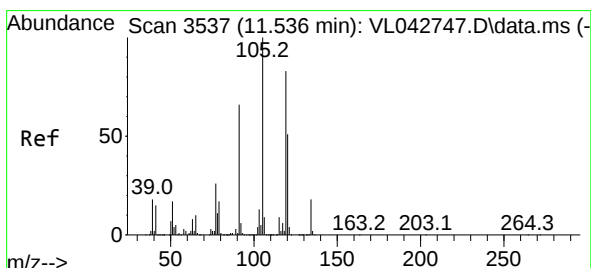
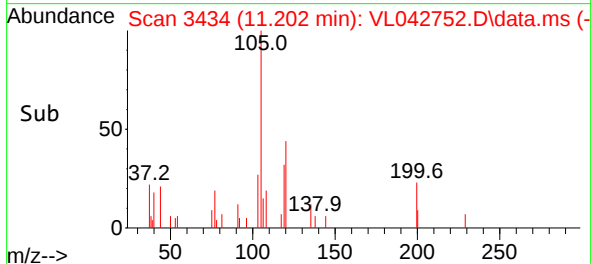
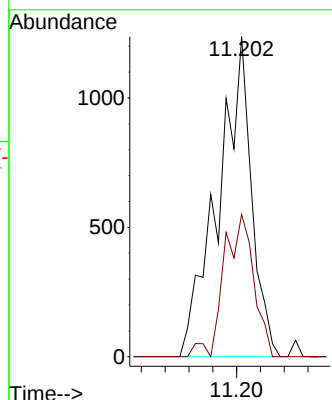
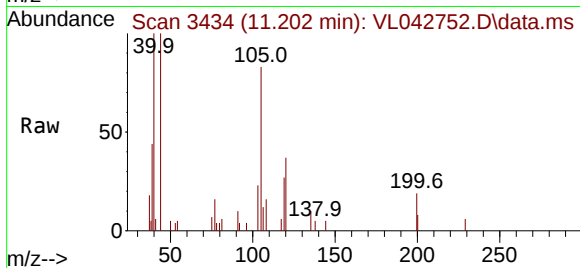
VSTDIC0.03

Tgt Ion:105 Resp: 1204

Ion Ratio Lower Upper

105 100

120 44.5 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 0.027 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.007 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Tgt Ion:105 Resp: 1421

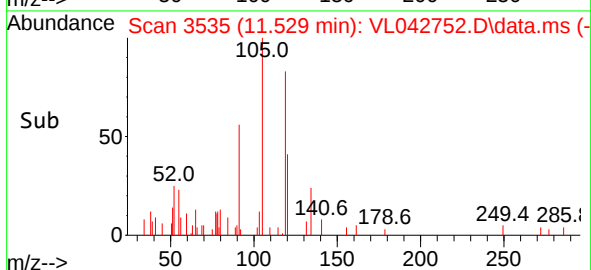
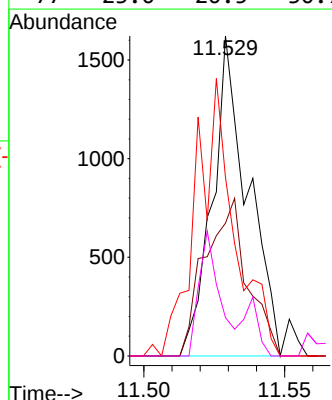
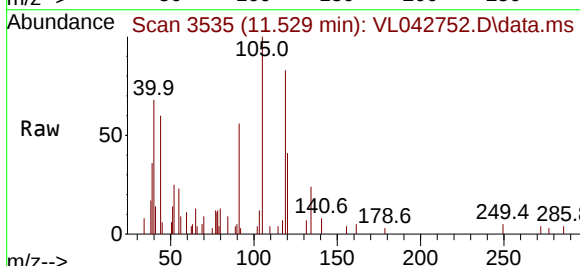
Ion Ratio Lower Upper

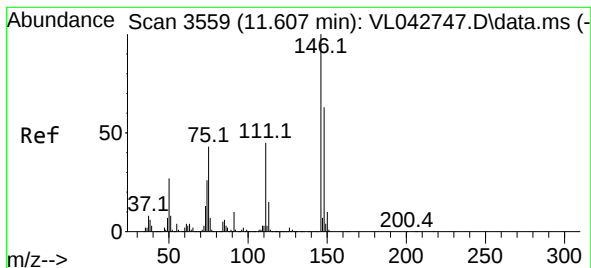
105 100

120 41.5 40.8 61.2

91 55.8 53.0 79.4

77 23.0 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 0.031 ppbv

RT: 11.600 min Scan# 3559

Delta R.T. -0.007 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

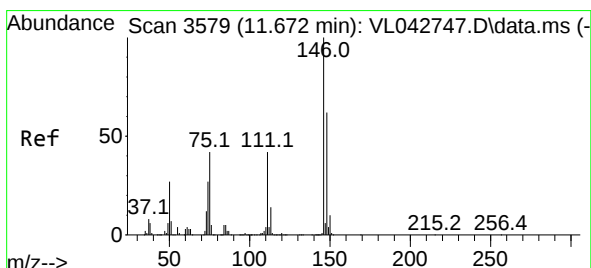
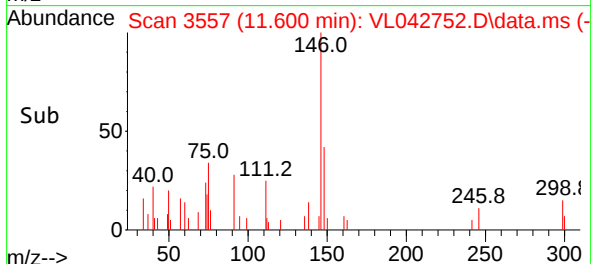
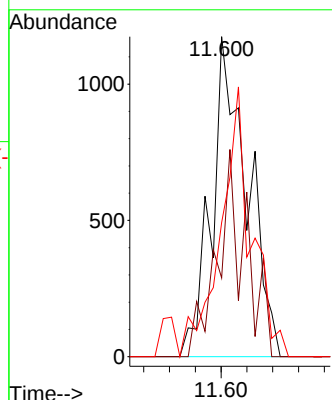
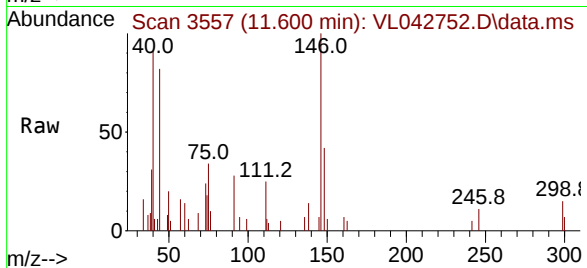
Tgt Ion:146 Resp: 1122

Ion Ratio Lower Upper

146 100

111 51.6 22.7 68.0

148 77.2 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 0.018 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. -0.003 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

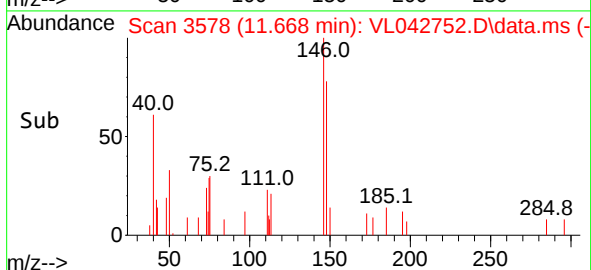
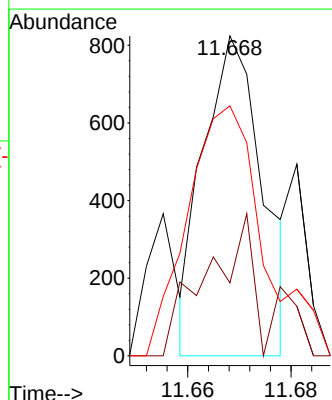
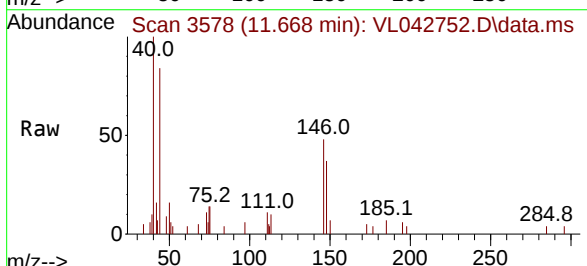
Tgt Ion:146 Resp: 658

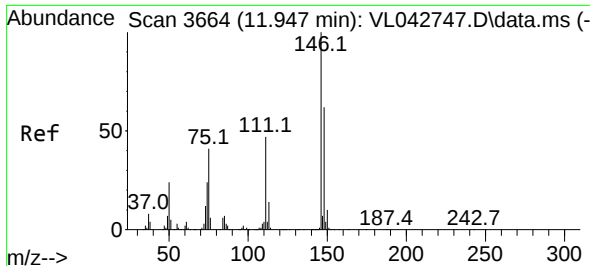
Ion Ratio Lower Upper

146 100

111 45.9 21.4 64.2

148 99.2 32.1 96.3#

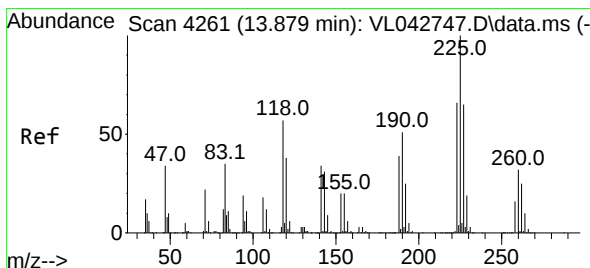
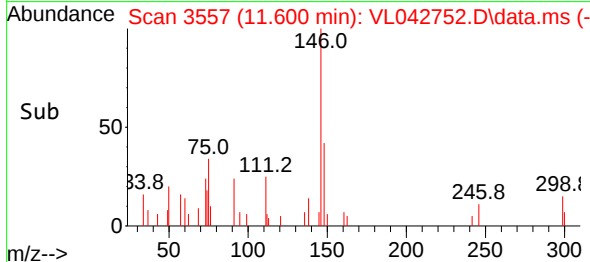
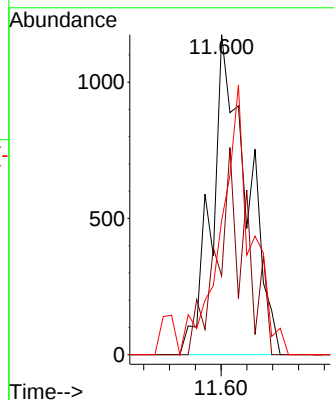
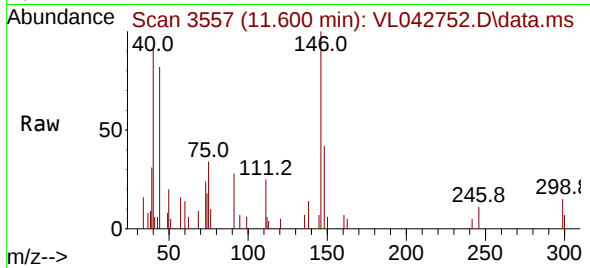




#77
1,2-Dichlorobenzene
Concen: 0.031 ppbv
RT: 11.600 min Scan# 31
Delta R.T. -0.347 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

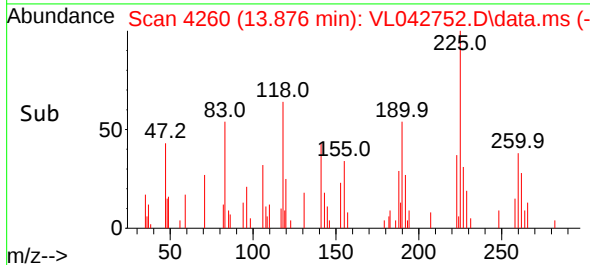
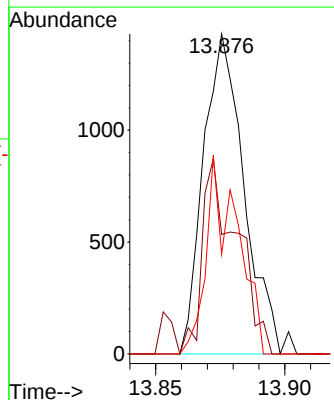
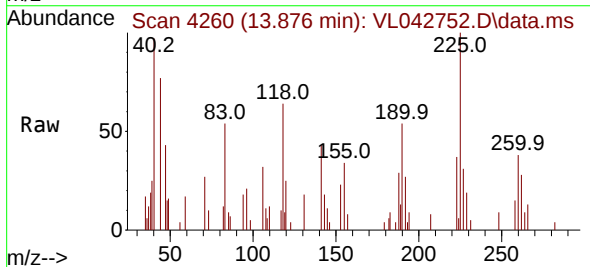
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

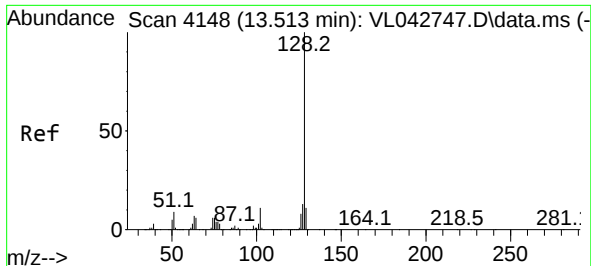
Tgt Ion:146 Resp: 1122
Ion Ratio Lower Upper
146 100
111 51.6 23.7 71.1
148 77.2 32.6 97.7



#78
Hexachloro-1,3-Butadiene
Concen: 0.048 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:225 Resp: 1559
Ion Ratio Lower Upper
225 100
223 56.2 50.7 76.1
227 47.8 50.5 75.7#

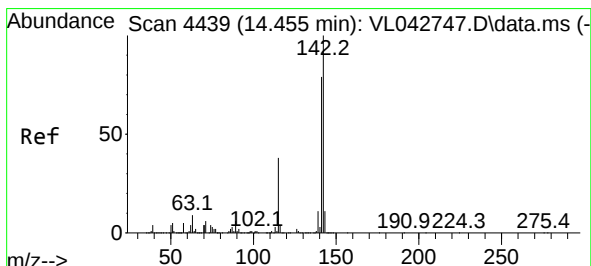
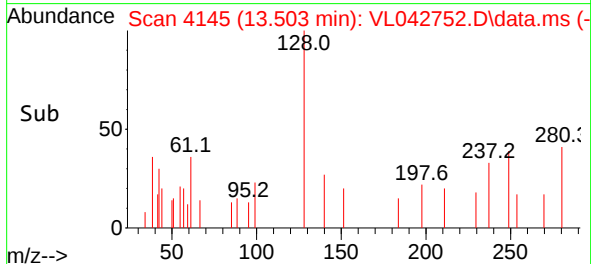
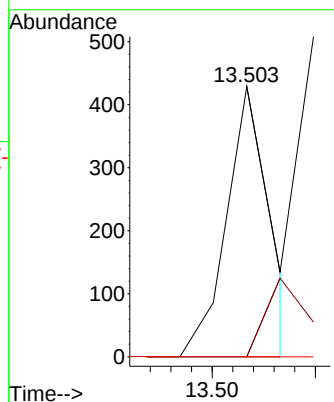
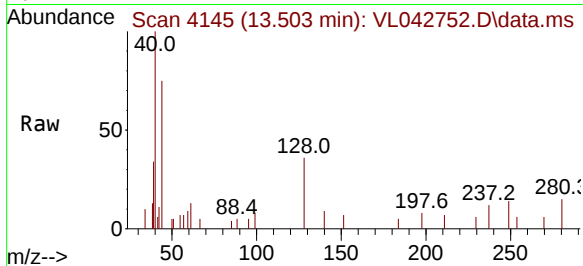




#79
Naphthalene
Concen: 0.436 ppbv
RT: 13.503 min Scan# 4148
Delta R.T. -0.010 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

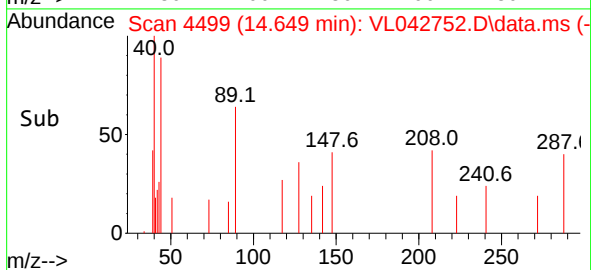
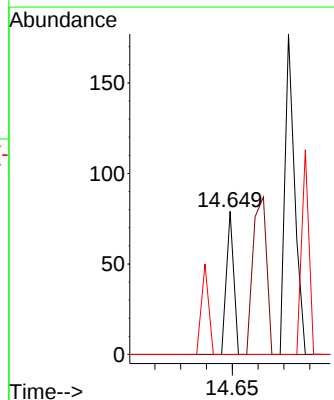
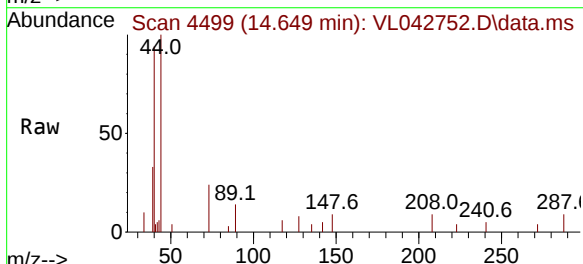
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

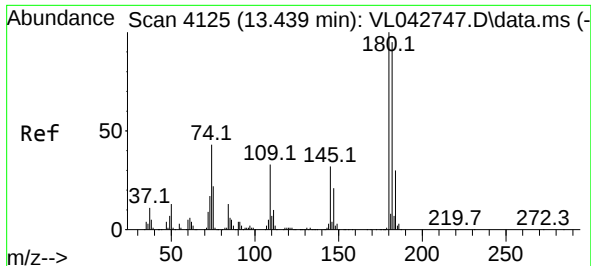
Tgt Ion:128 Resp: 126
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 13.0#



#80
Naphthalene,2-methyl-
Concen: 1.127 ppbv
RT: 14.649 min Scan# 4499
Delta R.T. 0.194 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

Tgt Ion:142 Resp: 15
Ion Ratio Lower Upper
142 100
141 0.0 65.8 98.8#
115 66.7 31.2 46.8#





#81

1,2,4-Trichlorobenzene

Concen: 0.438 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042752.D

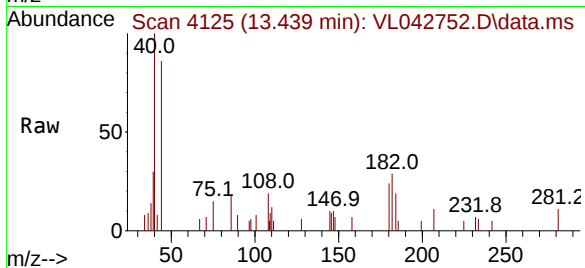
Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03



Tgt Ion:180 Resp: 170

Ion Ratio Lower Upper

180 100

182 0.0 76.2 114.2#

184 116.5 24.8 37.2#

