

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043108.D
 Acq On : 14 Oct 2025 12:34
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Oct 15 01:53:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Wed Oct 15 01:49:43 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	101636	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	336188	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	303445	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.380	95	232904	9.875	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	7851	0.543	ppbv	98
3) Chlorodifluoromethane	1.479	51	8497	0.543	ppbv #	89
4) Chloromethane	1.534	50	3254	0.568	ppbv #	88
5) Vinyl Chloride	1.583	62	2857	0.509	ppbv	96
6) Bromomethane	1.670	94	1709	0.555	ppbv	100
7) Chloroethane	1.706	64	1326	0.578	ppbv #	85
8) Dichlorotetrafluoroethane	1.557	85	5970	0.511	ppbv	92
9) Propene	1.486	41	3750	0.541	ppbv	92
10) Heptane	4.981	43	6039	0.304	ppbv #	27
11) Trichlorofluoromethane	1.881	101	7672	0.543	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.143	101	6173	0.543	ppbv	100
13) Ethanol	1.725	45	1468	0.572	ppbv	86
14) Bromoethene	1.787	108	2444	0.578	ppbv #	90
15) Acetone	1.839	43	7931	0.576	ppbv #	88
16) 1,3-Butadiene	1.612	39	3962	0.607	ppbv	91
17) tert-Butyl alcohol	2.046	59	10213	0.543	ppbv #	88
18) 1,1-Dichloroethene	2.039	96	2636	0.531	ppbv	91
19) Isopropyl Alcohol	1.887	45	4932	0.578	ppbv #	43
20) Methylene Chloride	2.065	84	3750	0.693	ppbv #	75
21) Allyl Chloride	2.098	41	5575	0.551	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	3093	0.522	ppbv	98
23) Vinyl Acetate	2.467	43	10914	0.544	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	5942	0.519	ppbv	99
25) Ethyl Acetate	2.845	43	17918	0.527	ppbv #	96
26) Hexane	2.829	57	8908	0.569	ppbv	95
27) Carbon Disulfide	2.153	76	7230	0.504	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	3770	0.529	ppbv #	47
29) Chloroform	2.852	83	12384	0.546	ppbv	100
30) Cyclohexane	3.862	84	6978	0.511	ppbv #	88
31) cis-1,2-Dichloroethene	2.725	61	7576	0.507	ppbv #	88
32) 1,1,1-Trichloroethane	3.373	97	12234	0.518	ppbv	97
34) 2-Butanone	2.564	43	12659	0.557	ppbv	99
35) Carbon Tetrachloride	3.768	117	11931	0.494	ppbv	87
36) Benzene	3.661	78	16376	0.517	ppbv	94
37) 1,2-Dichloroethane	3.224	62	9907	0.543	ppbv	99
38) Trichloroethene	4.554	130	6745	0.511	ppbv	95
39) 1,2-Dichloropropane	4.318	63	6032	0.521	ppbv #	80
40) 1,4-Dioxane	4.603	88	1303	0.252	ppbv #	33
41) Tetrahydrofuran	3.065	42	6831	0.538	ppbv	97
42) Bromodichloromethane	4.496	83	13094	0.519	ppbv	96
43) Methyl Methacrylate	4.888	69	4902	0.303	ppbv #	1
44) 2,2,4-Trimethylpentane	4.648	57	27304	0.516	ppbv	98
45) t-1,3-Dichloropropene	6.425	75	8030	0.498	ppbv	94

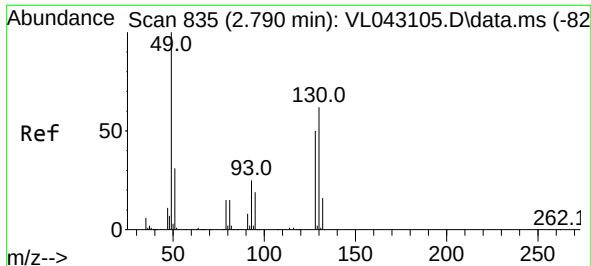
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043108.D
 Acq On : 14 Oct 2025 12:34
 Operator : SY/MD
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Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Oct 15 01:53:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 01:49:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	8375	0.435	ppbv #	88
47) 1,1,2-Trichloroethane	6.587	97	6996	0.560	ppbv	92
48) Dibromochloromethane	7.393	129	10413	0.498	ppbv	96
49) Bromoform	9.487	173	8455	0.498	ppbv	96
50) 4-Methyl-2-Pentanone	5.755	43	3434	0.110	ppbv #	38
51) 2-Hexanone	7.451	43	11485	0.491	ppbv #	94
52) Tetrachloroethene	8.231	164	5863	0.513	ppbv #	90
53) Toluene	6.936	91	20380	0.542	ppbv	99
54) 1,2-Dibromoethane	7.661	107	9586	0.486	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.930	131	10044	0.525	ppbv #	1
57) Chlorobenzene	8.927	112	15318	0.540	ppbv	95
58) Ethyl Benzene	9.357	91	27330	0.521	ppbv	91
59) m/p-Xylene	9.539	91	20079	0.483	ppbv #	15
60) o-Xylene	9.969	91	21745	0.530	ppbv	96
61) Styrene	9.878	104	9052	0.489	ppbv	96
62) Isopropylbenzene	10.542	105	38899	0.525	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	13653	0.497	ppbv	97
64) n-propylbenzene	10.992	120	10435	0.532	ppbv	99
65) tert-Butylbenzene	11.532	119	35537	0.543	ppbv	99
66) Benzyl Chloride	11.620	91	3477	0.476	ppbv #	97
67) sec-Butylbenzene	11.769	105	50259	0.541	ppbv	100
69) p-Isopropyltoluene	11.927	119	41366	0.524	ppbv	99
70) n-Butylbenzene	12.283	91	39620	0.509	ppbv	98
71) 2-Chlorotoluene	10.901	91	29722	0.526	ppbv	98
72) 4-Ethyltoluene	11.128	105	26408	0.524	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	21754	0.523	ppbv	89
74) 1,2,4-Trimethylbenzene	11.539	105	25663	0.551	ppbv	93
75) 1,3-Dichlorobenzene	11.610	146	13697	0.507	ppbv	95
76) 1,4-Dichlorobenzene	11.675	146	14514	0.533	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	14324	0.548	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	11400	0.564	ppbv	98
79) Naphthalene	13.516	128	23247	0.483	ppbv #	94
80) Naphthalene,2-methyl-	14.462	142	3874	0.305	ppbv #	84
81) 1,2,4-Trichlorobenzene	13.442	180	8395	0.416	ppbv	98

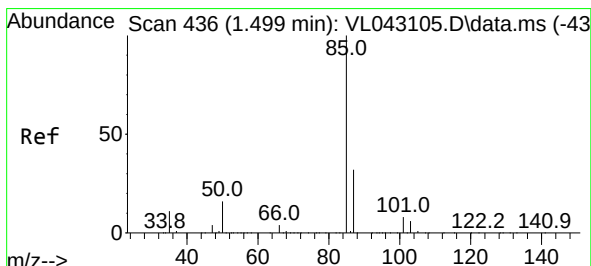
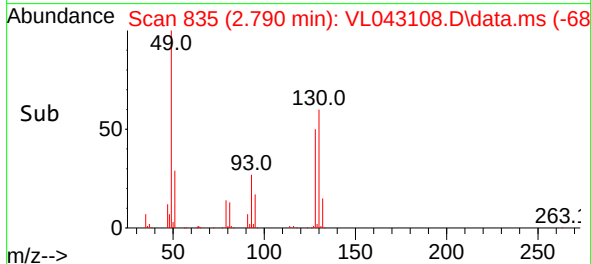
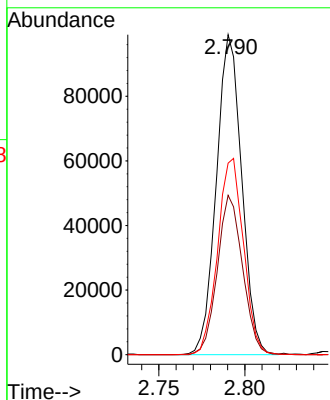
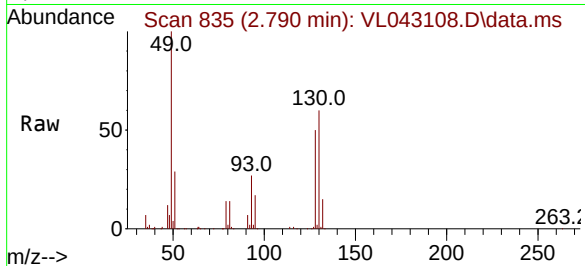
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

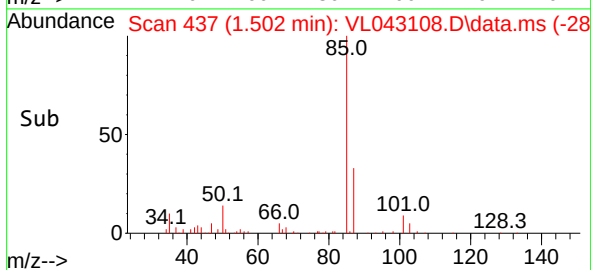
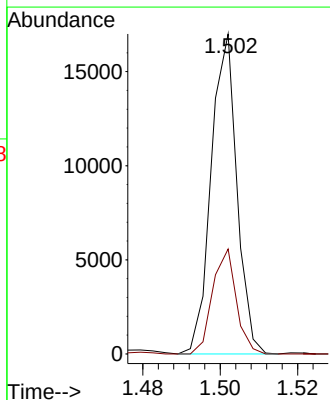
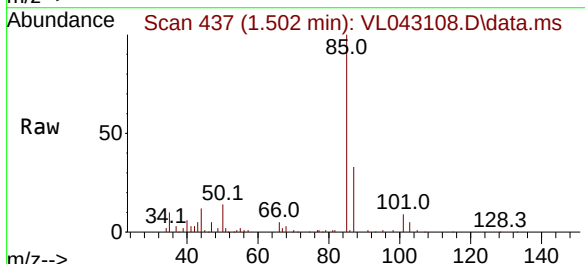
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MSVOA_L
ClientSampleId :
VSTDICC0.5

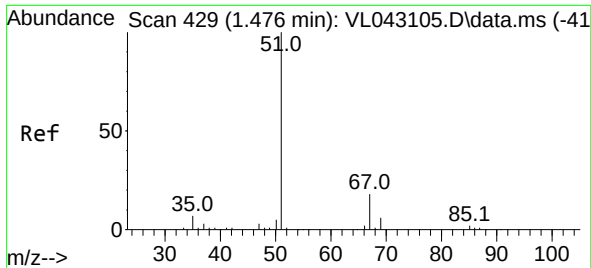
Tgt Ion: 49 Resp: 101636
Ion Ratio Lower Upper
49 100
128 49.5 24.4 73.4
130 62.5 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 0.543 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 85 Resp: 7851
Ion Ratio Lower Upper
85 100
87 32.8 25.3 37.9

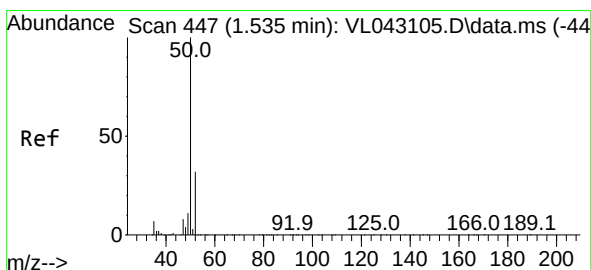
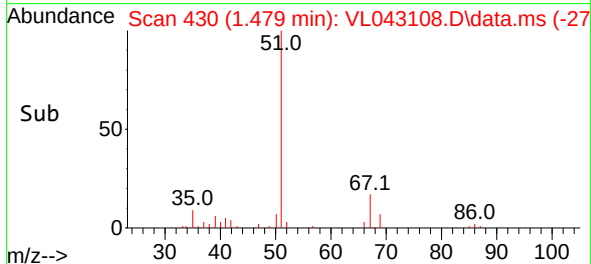
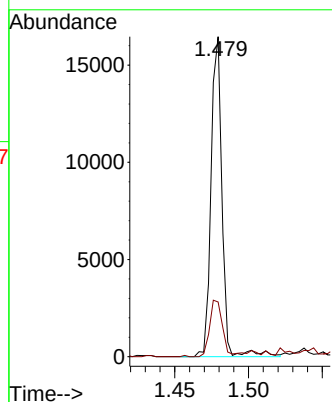
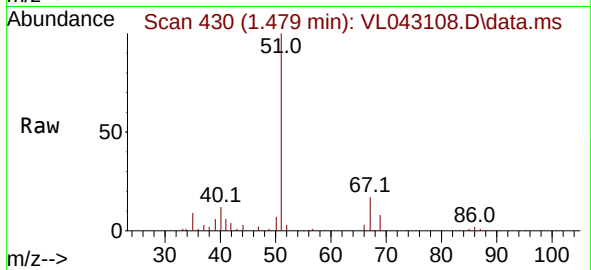




#3
Chlorodifluoromethane
Concen: 0.543 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

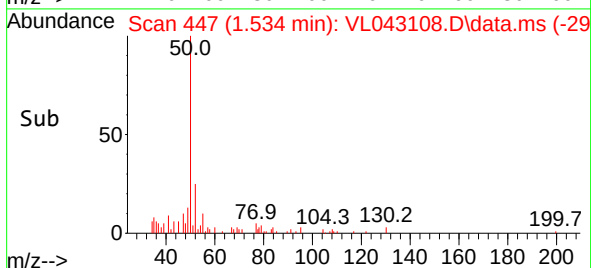
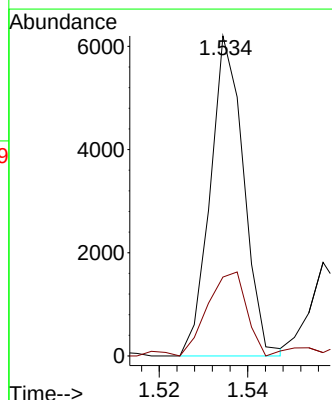
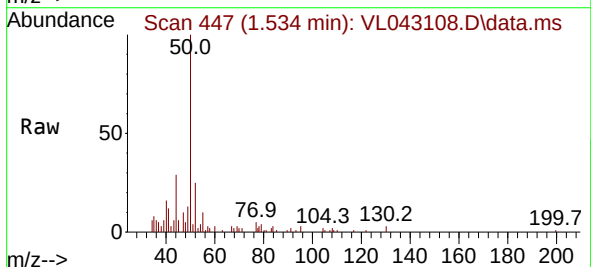
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ClientSampleId :
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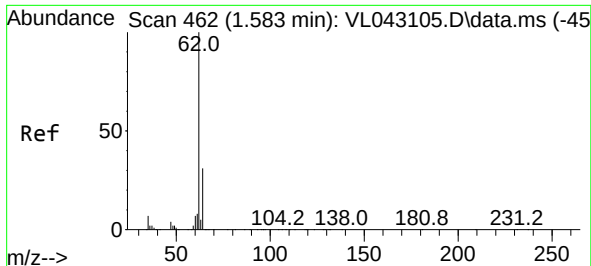
Tgt Ion: 51 Resp: 8497
Ion Ratio Lower Upper
51 100
67 23.8 15.1 22.7#



#4
Chloromethane
Concen: 0.568 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 50 Resp: 3254
Ion Ratio Lower Upper
50 100
52 24.7 25.2 37.8#

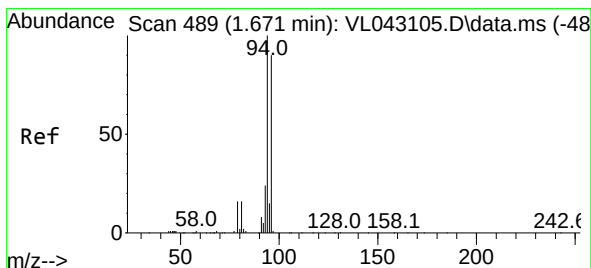
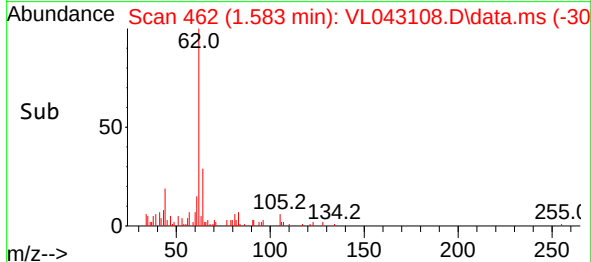
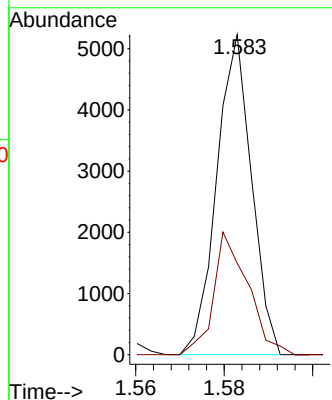
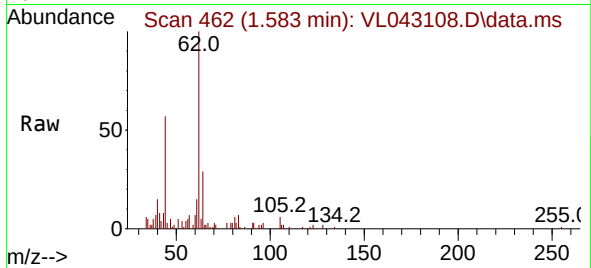




#5
 Vinyl Chloride
 Concen: 0.509 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

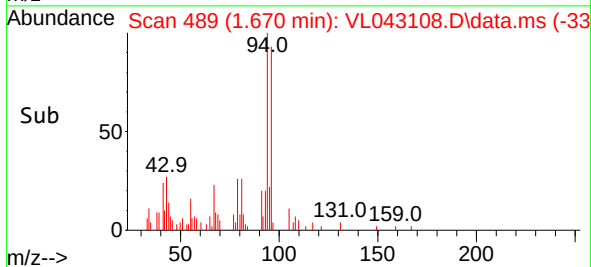
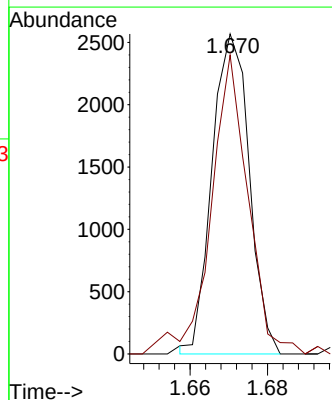
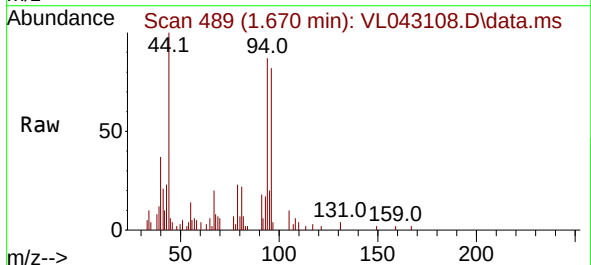
Instrument :
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 ClientSampleId :
 VSTDIC0.5

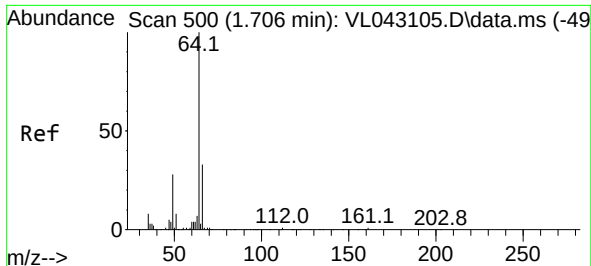
Tgt Ion: 62 Resp: 2857
 Ion Ratio Lower Upper
 62 100
 64 28.6 24.6 36.8



#6
 Bromomethane
 Concen: 0.555 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Tgt Ion: 94 Resp: 1709
 Ion Ratio Lower Upper
 94 100
 96 89.9 72.2 108.4

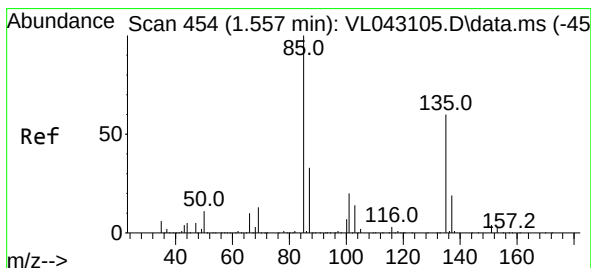
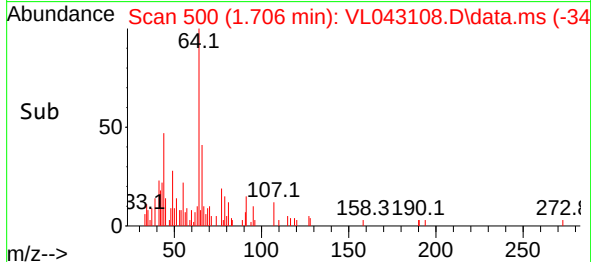
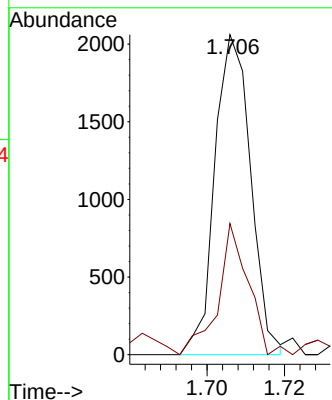
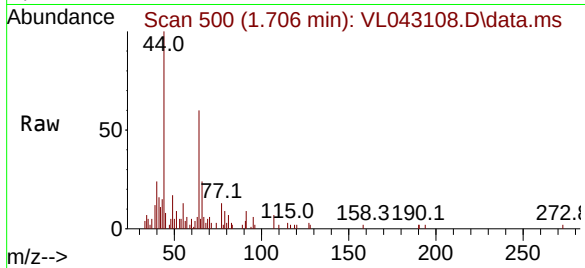




#7
Chloroethane
Concen: 0.578 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

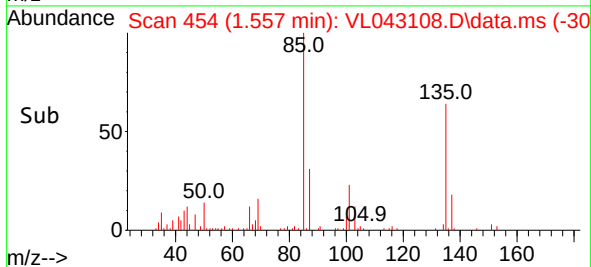
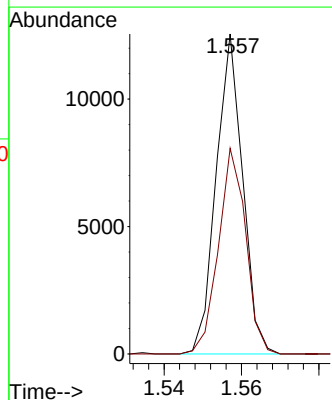
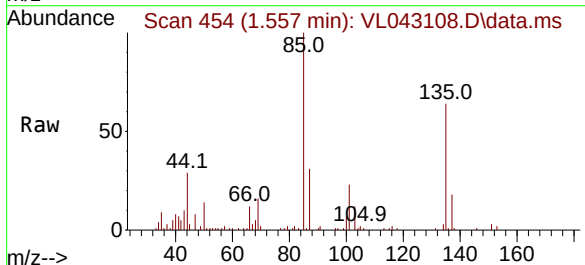
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

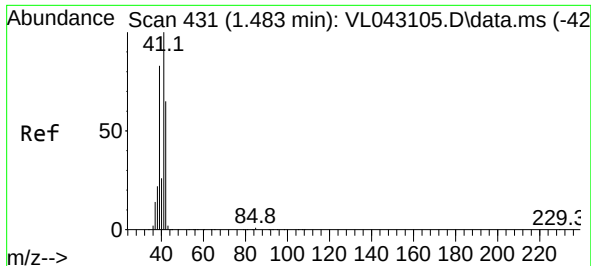
Tgt Ion: 64 Resp: 1326
Ion Ratio Lower Upper
64 100
66 41.0 26.0 39.0#



#8
Dichlorotetrafluoroethane
Concen: 0.511 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 85 Resp: 5970
Ion Ratio Lower Upper
85 100
135 66.3 48.2 72.4





#9

Propene

Concen: 0.541 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_1

ClientSampleId :

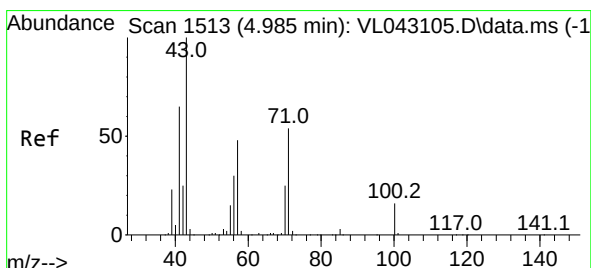
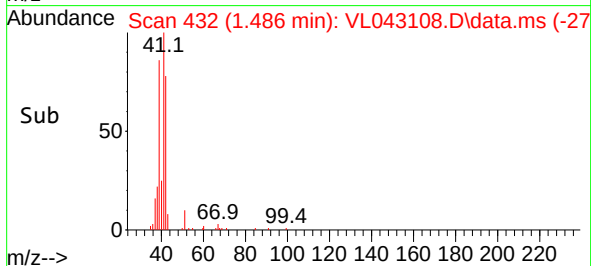
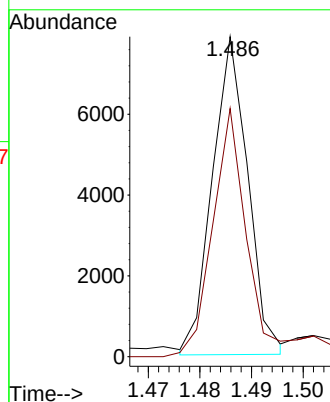
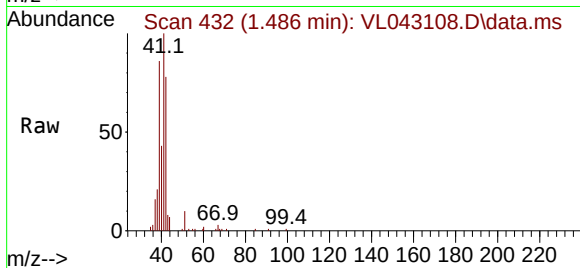
VSTDIC0.5

Tgt Ion: 41 Resp: 3750

Ion Ratio Lower Upper

41 100

42 75.0 55.1 82.7



#10

Heptane

Concen: 0.304 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. -0.003 min

Lab File: VL043108.D

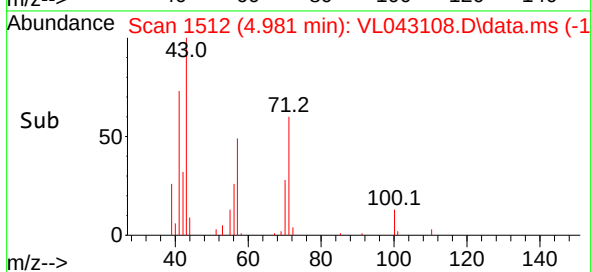
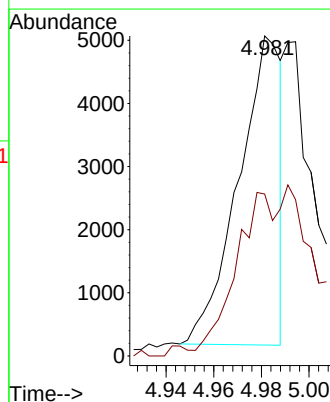
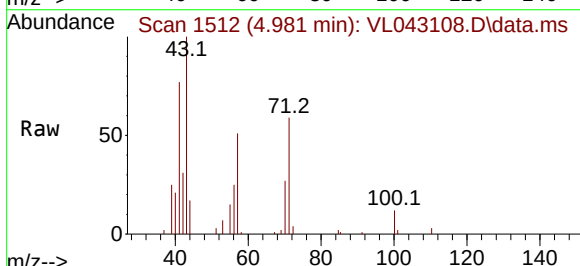
Acq: 14 Oct 2025 12:34

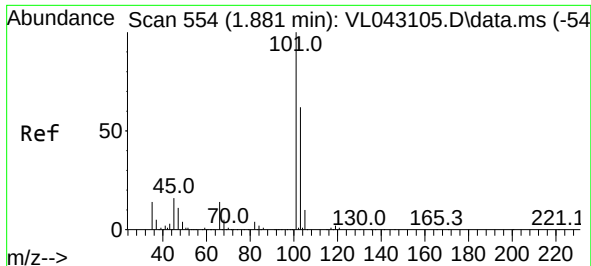
Tgt Ion: 43 Resp: 6039

Ion Ratio Lower Upper

43 100

57 0.0 40.8 61.2#

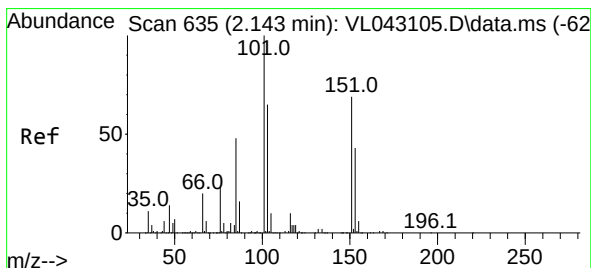
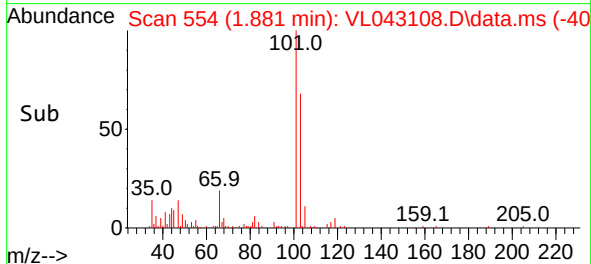
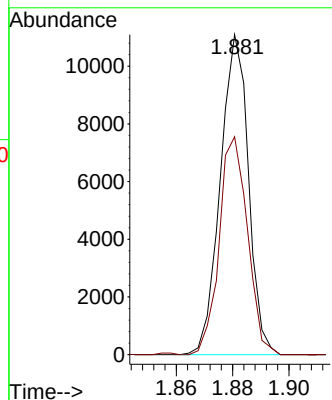
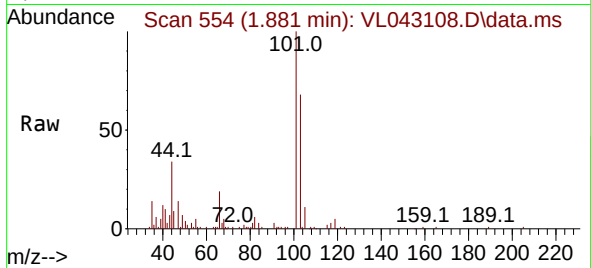




#11
 Trichlorofluoromethane
 Concen: 0.543 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

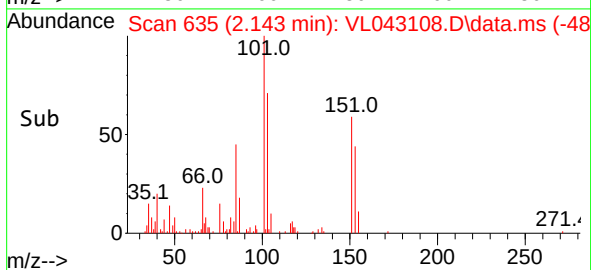
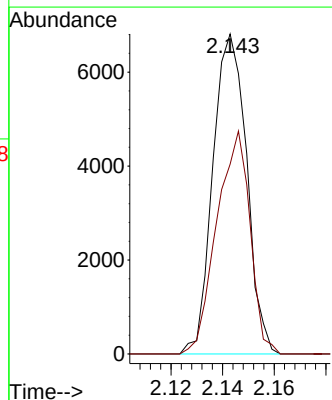
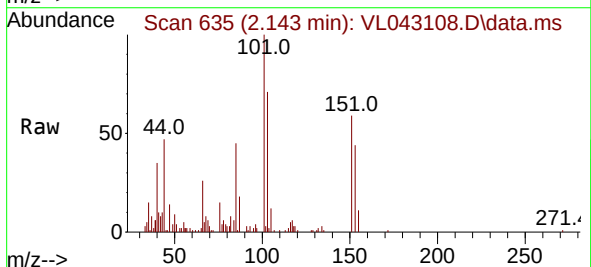
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 ClientSampleId :
 VSTDIC0.5

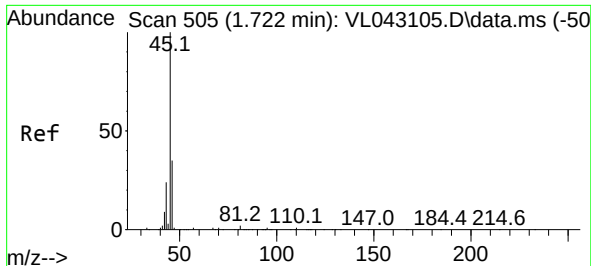
Tgt Ion:101 Resp: 7672
 Ion Ratio Lower Upper
 101 100
 103 68.1 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.543 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Tgt Ion:101 Resp: 6173
 Ion Ratio Lower Upper
 101 100
 151 68.8 54.7 82.1

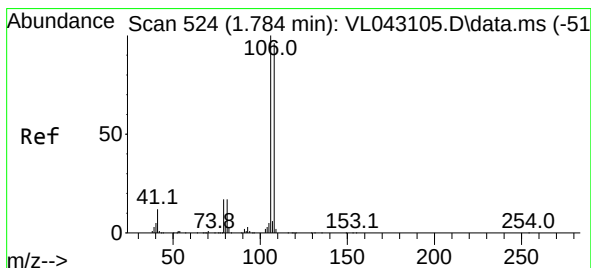
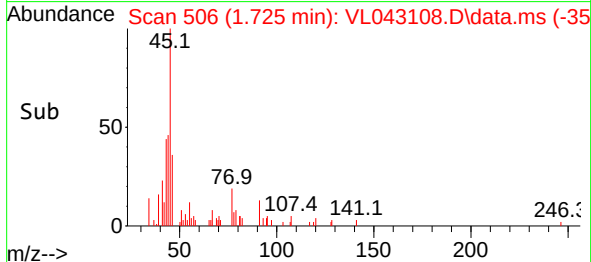
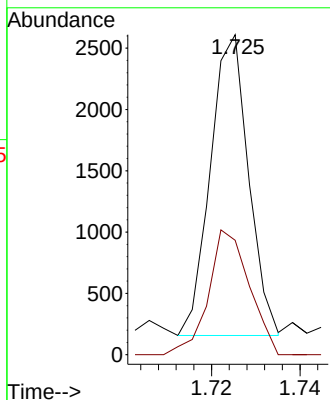
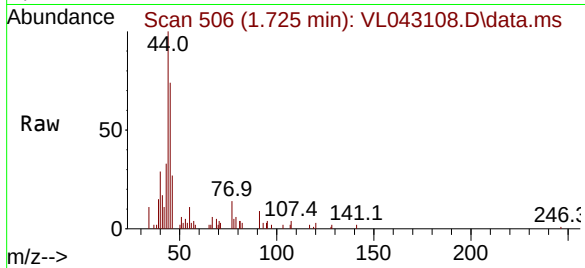




#13
Ethanol
Concen: 0.572 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

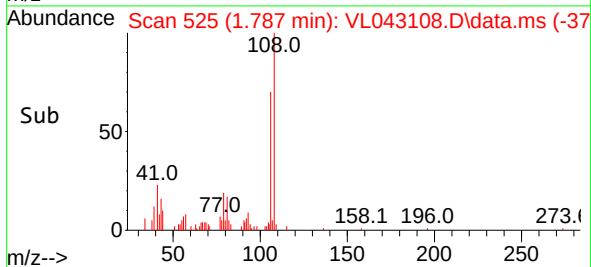
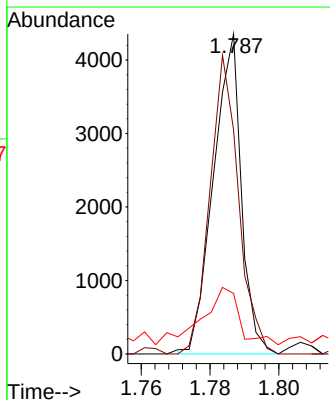
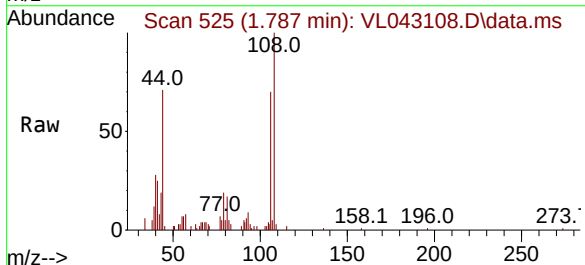
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

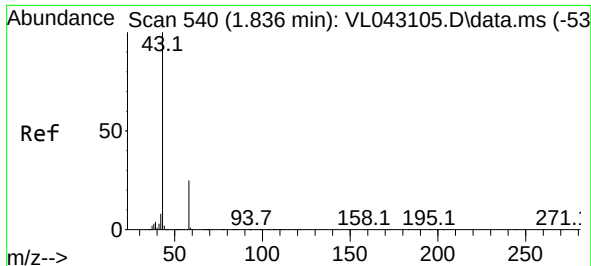
Tgt Ion: 45 Resp: 1468
Ion Ratio Lower Upper
45 100
46 45.1 14.7 58.9



#14
Bromoethene
Concen: 0.578 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 108 Resp: 2444
Ion Ratio Lower Upper
108 100
106 98.2 84.4 126.6
79 31.2 15.3 22.9#





#15

Acetone

Concen: 0.576 ppbv

RT: 1.839 min Scan# 540

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

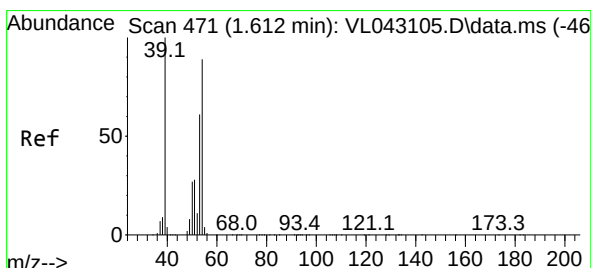
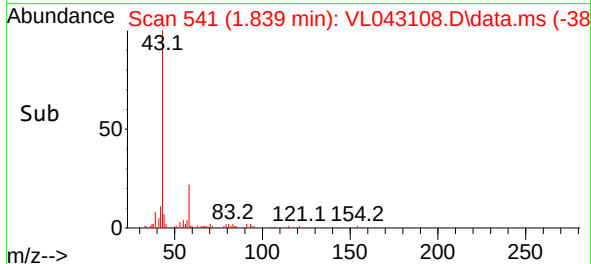
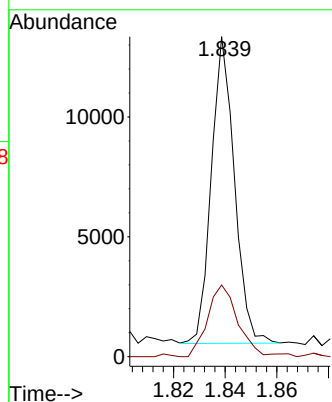
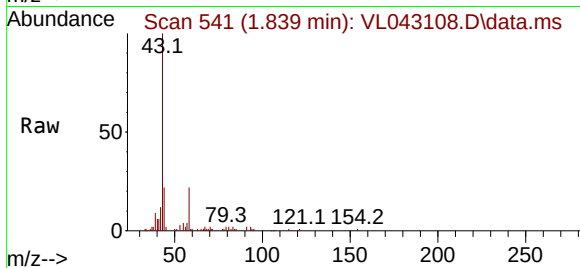
VSTDIC0.5

Tgt Ion: 43 Resp: 7931

Ion Ratio Lower Upper

43 100

58 32.0 20.8 31.2#



#16

1,3-Butadiene

Concen: 0.607 ppbv

RT: 1.612 min Scan# 471

Delta R.T. -0.000 min

Lab File: VL043108.D

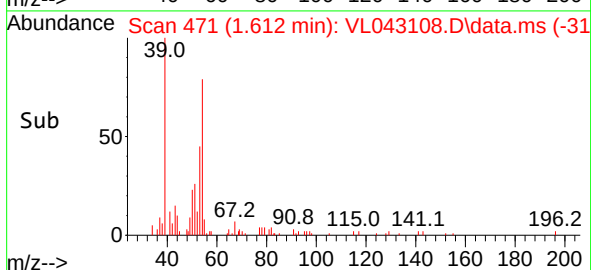
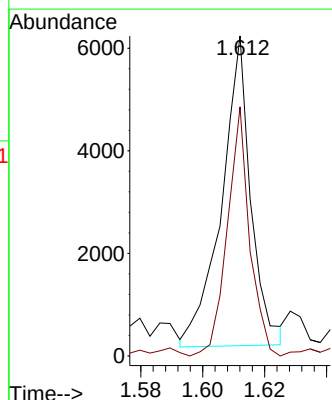
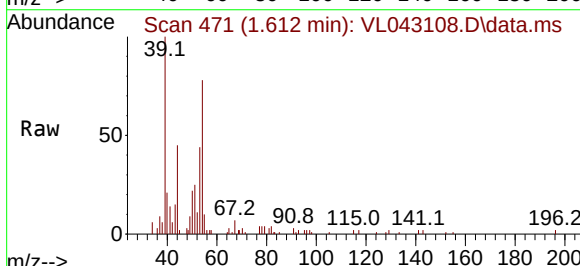
Acq: 14 Oct 2025 12:34

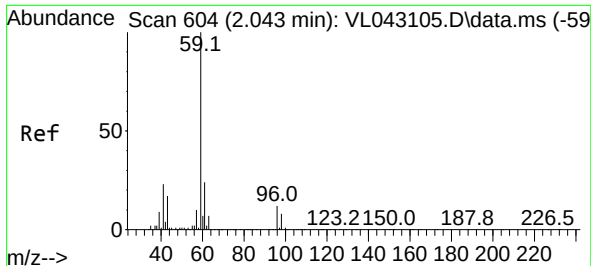
Tgt Ion: 39 Resp: 3962

Ion Ratio Lower Upper

39 100

54 66.1 59.0 88.4





#17

tert-Butyl alcohol

Concen: 0.543 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

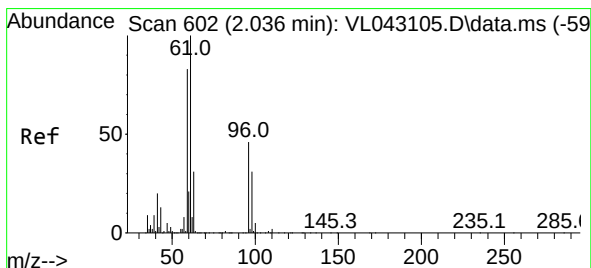
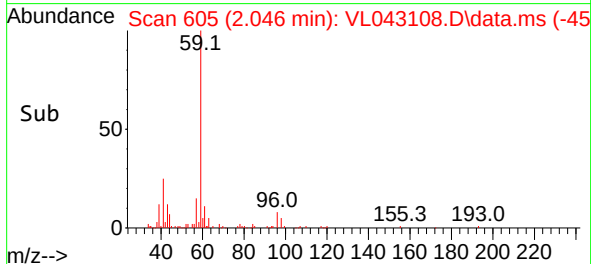
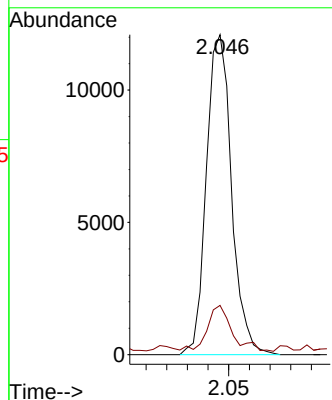
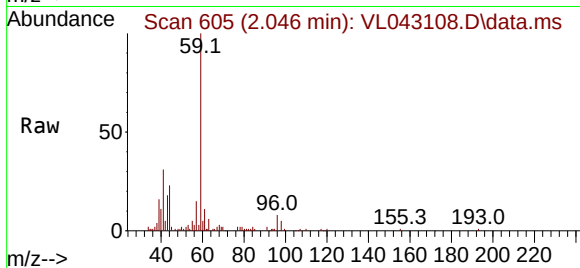
VSTDIC0.5

Tgt Ion: 59 Resp: 10213

Ion Ratio Lower Upper

59 100

57 14.8 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.531 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

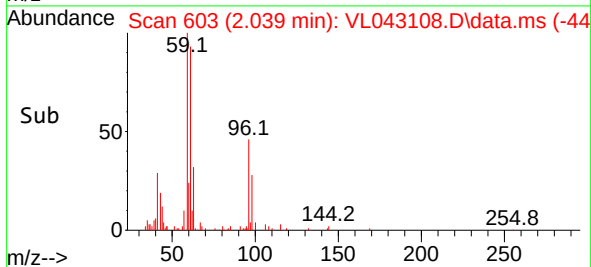
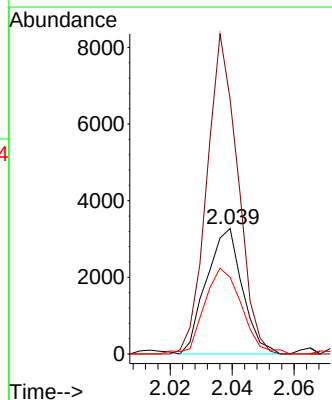
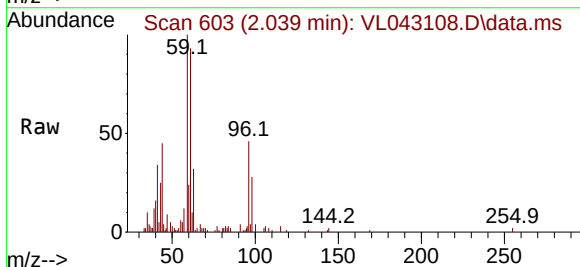
Tgt Ion: 96 Resp: 2636

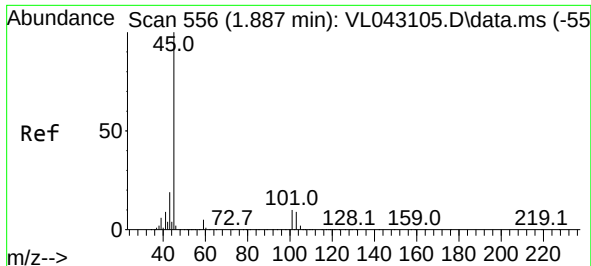
Ion Ratio Lower Upper

96 100

61 203.1 173.4 260.0

98 59.2 53.2 79.8

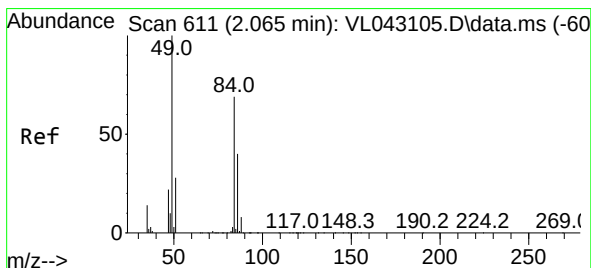
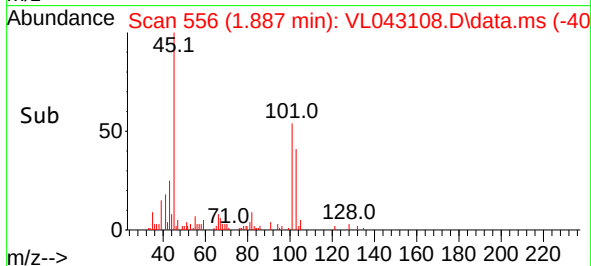
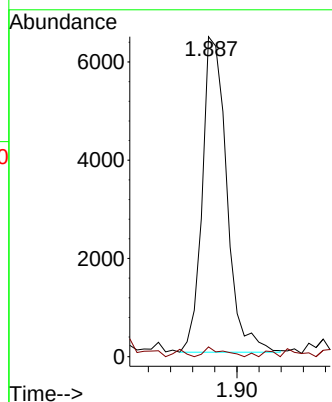
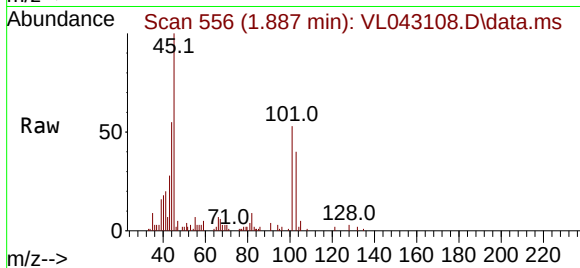




#19
Isopropyl Alcohol
Concen: 0.578 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

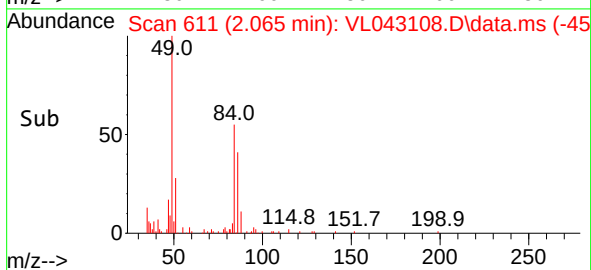
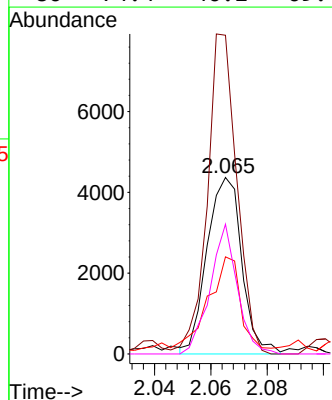
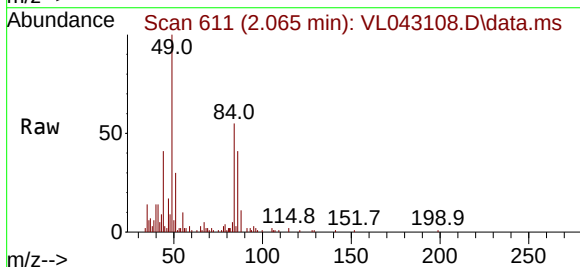
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

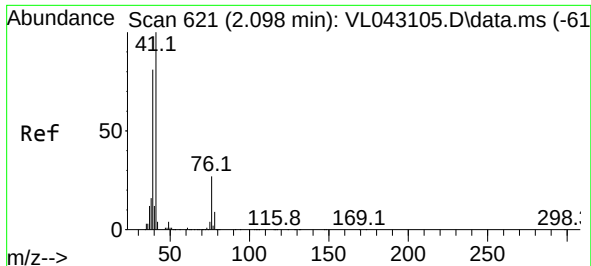
Tgt Ion: 45 Resp: 4932
Ion Ratio Lower Upper
45 100
58 4.1 31.3 46.9#



#20
Methylene Chloride
Concen: 0.693 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 84 Resp: 3750
Ion Ratio Lower Upper
84 100
49 182.8 116.6 175.0#
51 51.9 34.8 52.2
86 74.4 46.2 69.4#

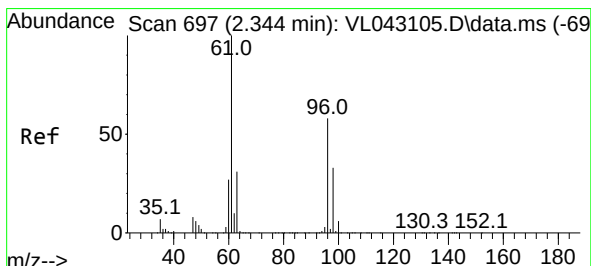
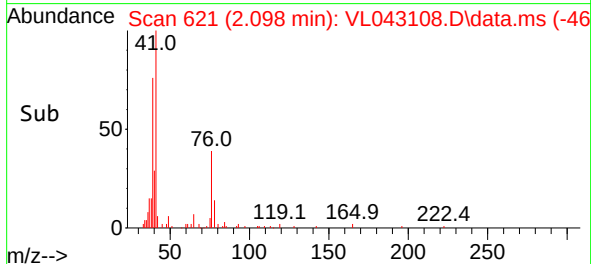
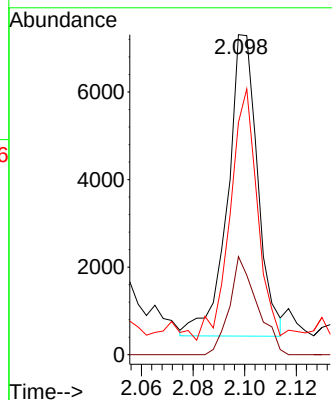
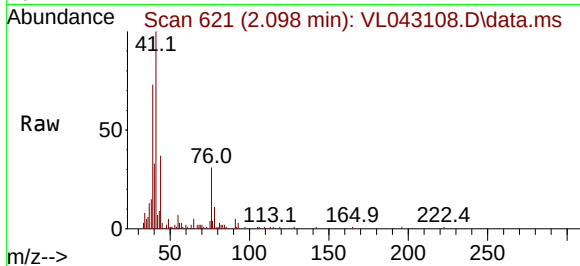




#21
 Allyl Chloride
 Concen: 0.551 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

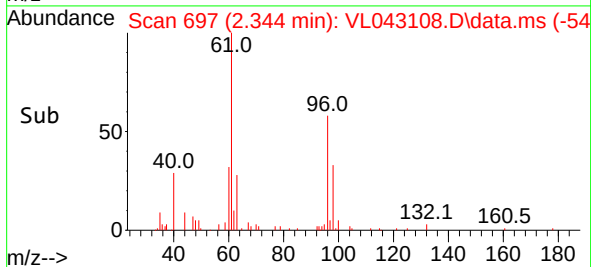
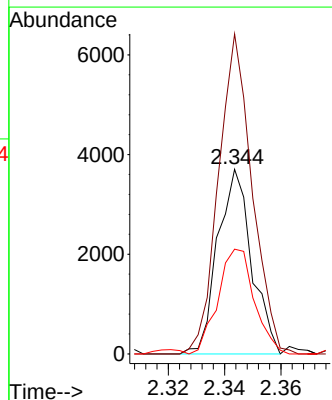
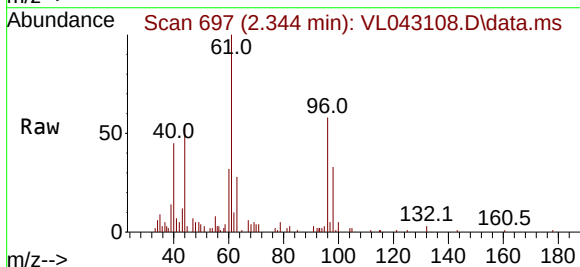
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

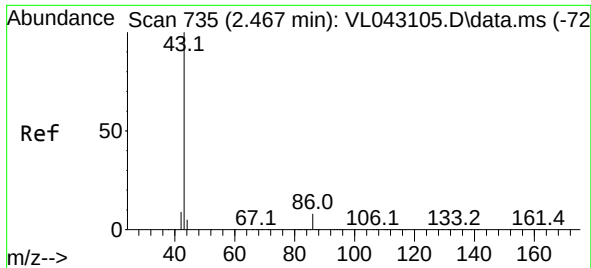
Tgt Ion: 41 Resp: 5575
 Ion Ratio Lower Upper
 41 100
 76 30.0 21.5 32.3
 39 75.1 60.8 91.2



#22
 trans-1,2-Dichloroethene
 Concen: 0.522 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Tgt Ion: 96 Resp: 3093
 Ion Ratio Lower Upper
 96 100
 61 173.3 137.0 205.6
 98 55.0 45.5 68.3

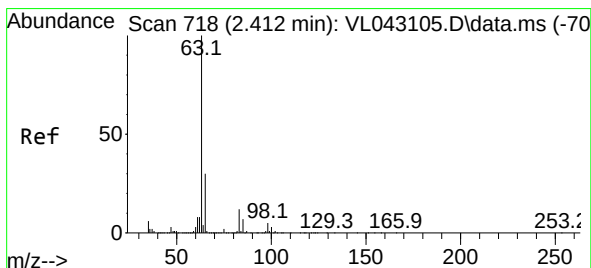
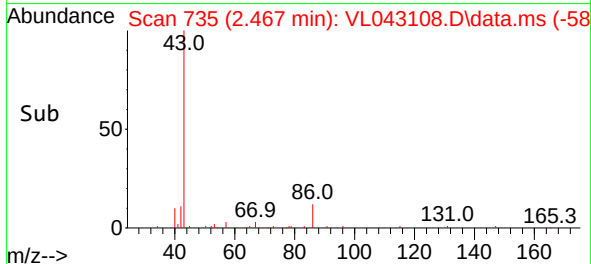
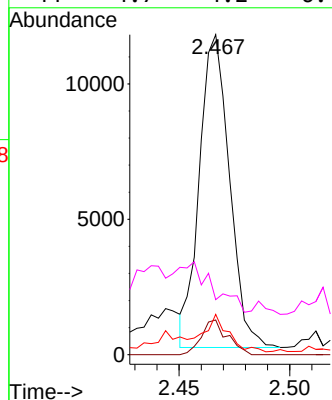
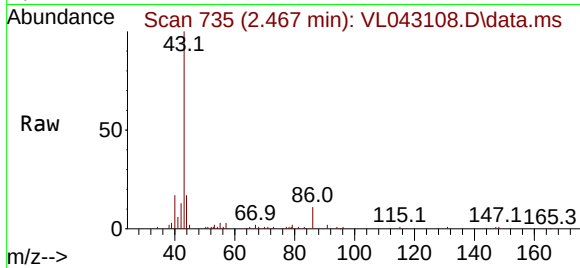




#23
 Vinyl Acetate
 Concen: 0.544 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

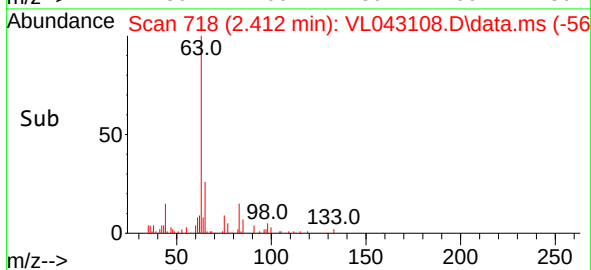
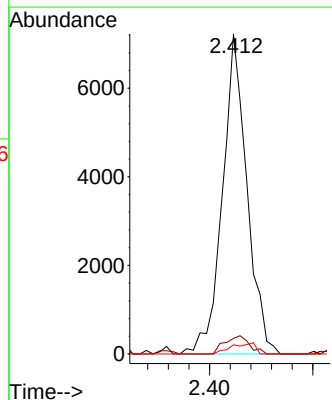
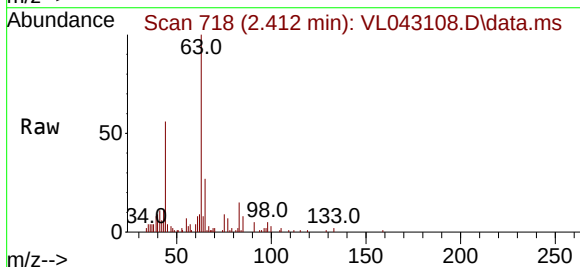
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

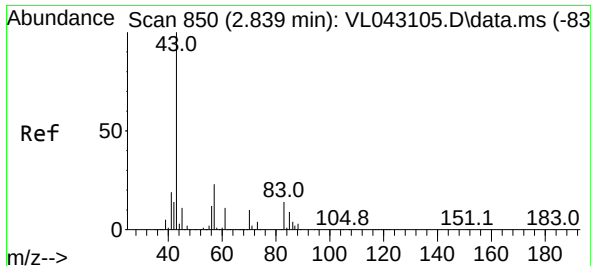
Tgt Ion: 43	Resp: 10914
Ion Ratio	Lower Upper
43	100
86	11.1 6.2 9.2#
42	9.0 7.6 11.4
44	4.7 4.2 6.4



#24
 1,1-Dichloroethane
 Concen: 0.519 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Tgt Ion: 63	Resp: 5942
Ion Ratio	Lower Upper
63	100
98	4.8 2.6 7.8
100	2.8 1.5 4.4

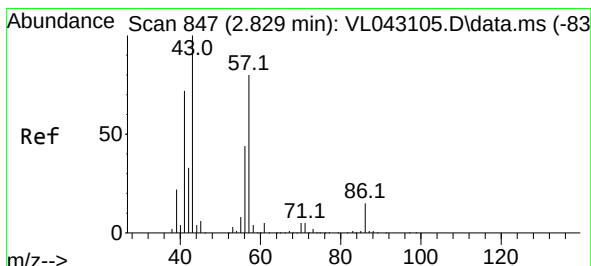
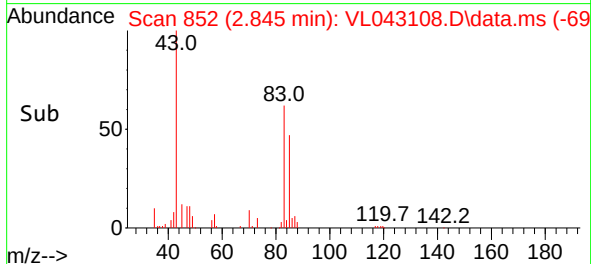
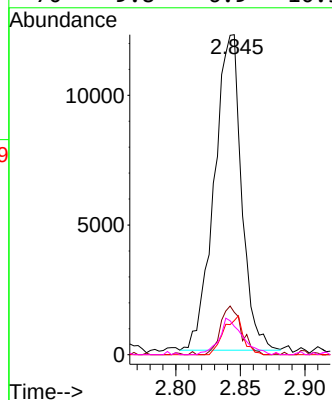
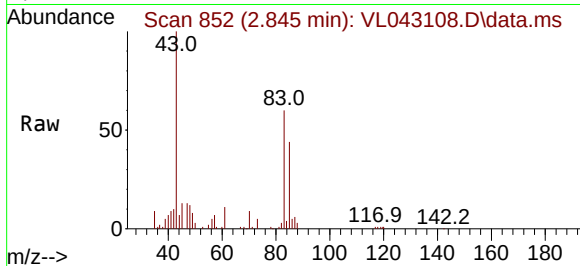




#25
Ethyl Acetate
Concen: 0.527 ppbv
RT: 2.845 min Scan# 850
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

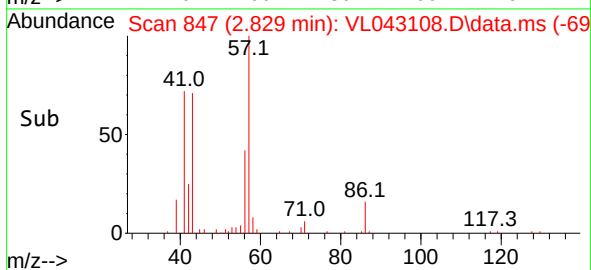
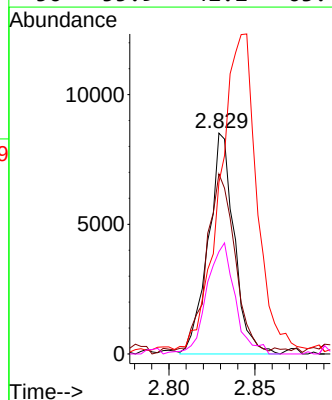
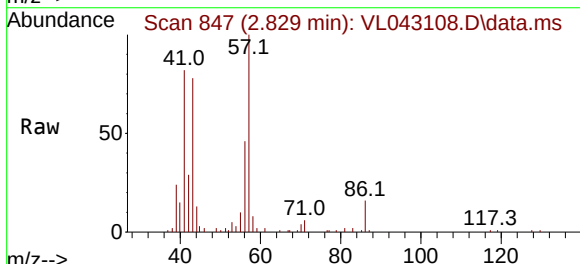
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

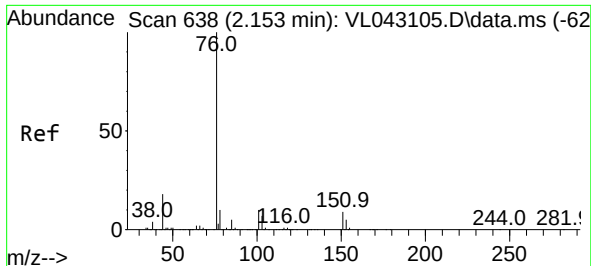
Tgt Ion: 43	Resp: 17918
Ion Ratio	Lower Upper
43 100	
45 12.3	7.8 11.8#
61 8.8	7.0 10.6
70 9.8	6.9 10.3



#26
Hexane
Concen: 0.569 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 57	Resp: 8908
Ion Ratio	Lower Upper
57 100	
41 90.3	71.4 107.0
43 211.8	178.5 267.7
56 55.9	42.2 63.4

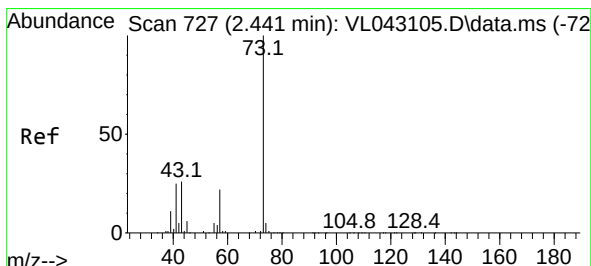
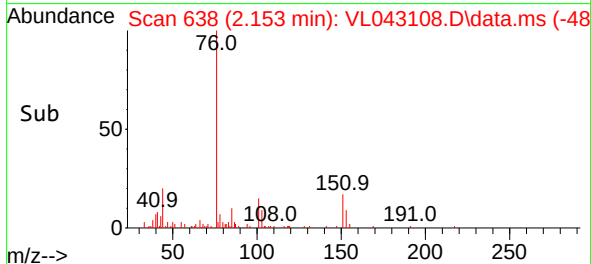
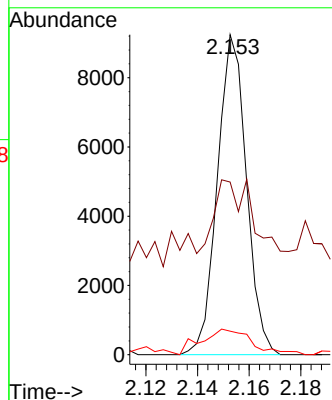
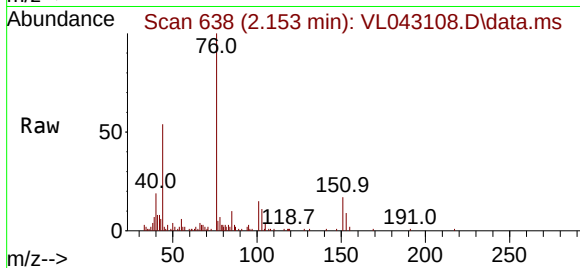




#27
Carbon Disulfide
Concen: 0.504 ppbv
RT: 2.153 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

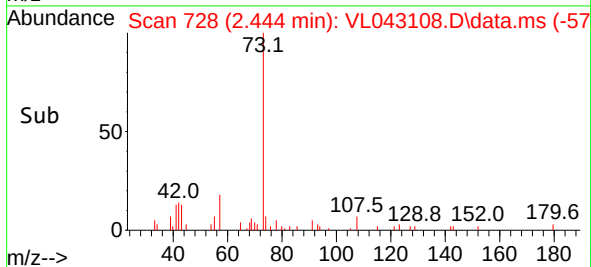
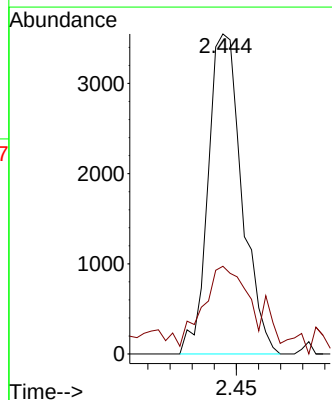
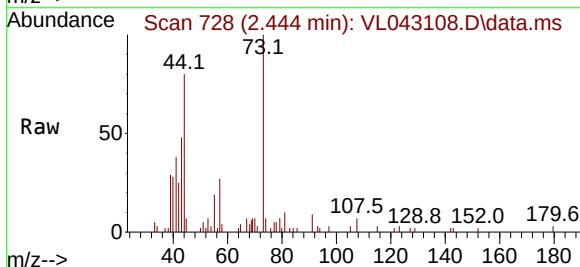
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

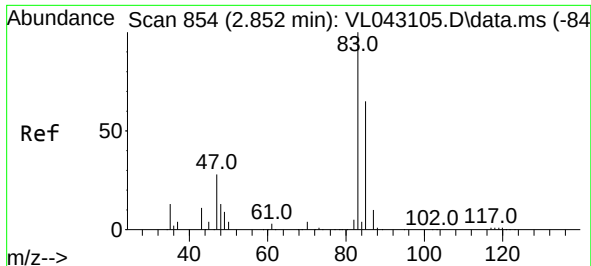
Tgt Ion: 76 Resp: 7230
Ion Ratio Lower Upper
76 100
44 120.9 16.7 25.1#
78 13.9 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 0.529 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 73 Resp: 3770
Ion Ratio Lower Upper
73 100
57 52.7 20.5 30.7#

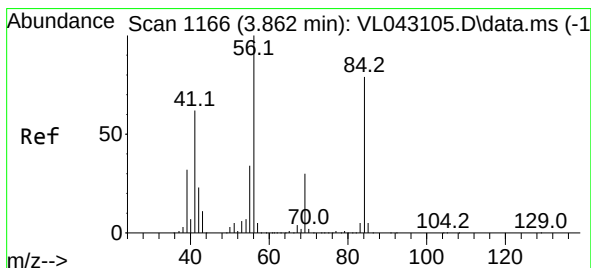
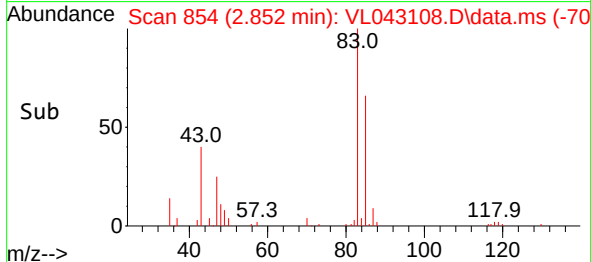
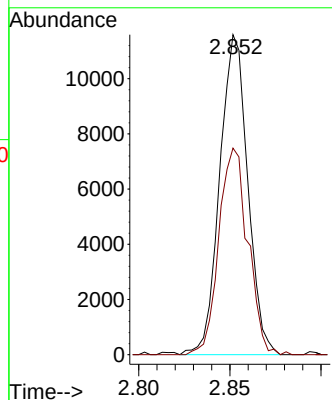
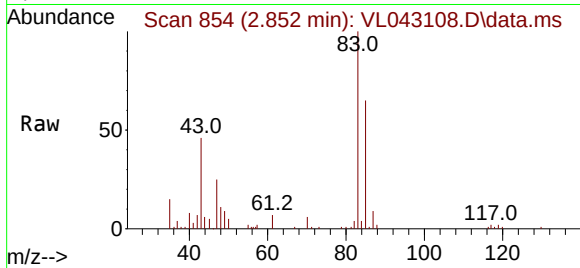




#29
Chloroform
Concen: 0.546 ppbv
RT: 2.852 min Scan# 854
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

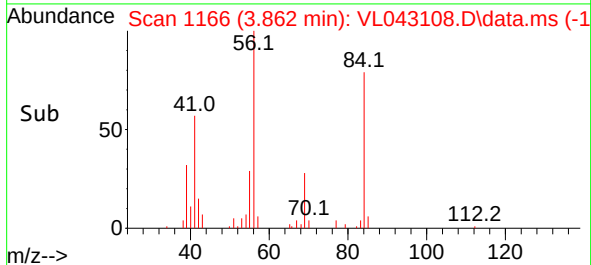
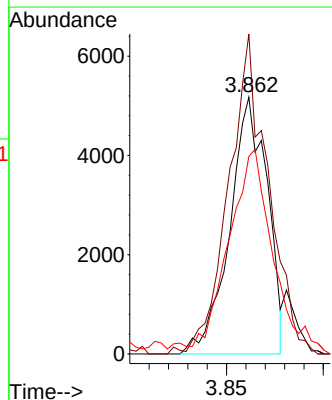
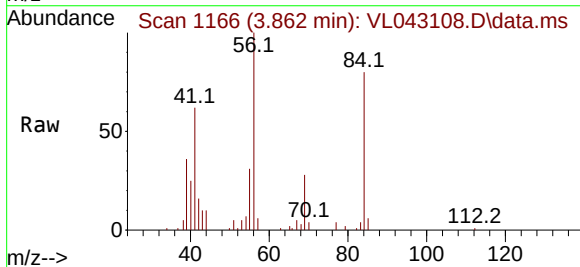
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

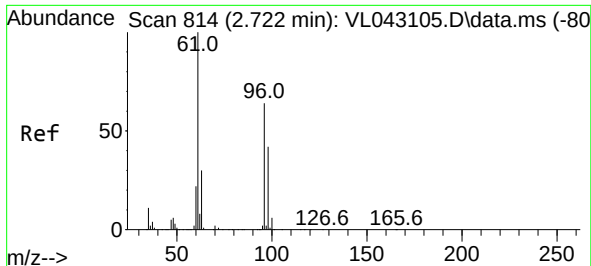
Tgt Ion: 83 Resp: 12384
Ion Ratio Lower Upper
83 100
85 64.5 51.8 77.6



#30
Cyclohexane
Concen: 0.511 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 84 Resp: 6978
Ion Ratio Lower Upper
84 100
56 131.8 100.9 151.3
41 99.7 63.8 95.6#

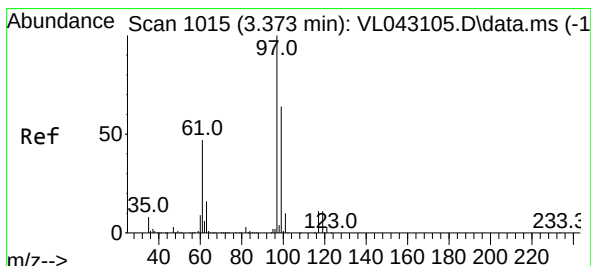
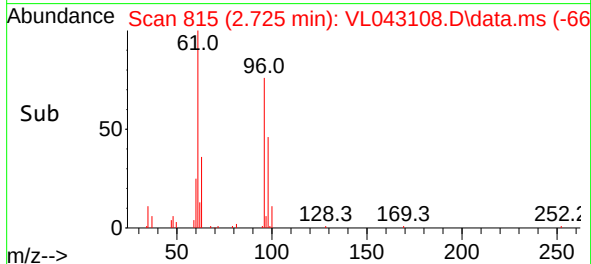
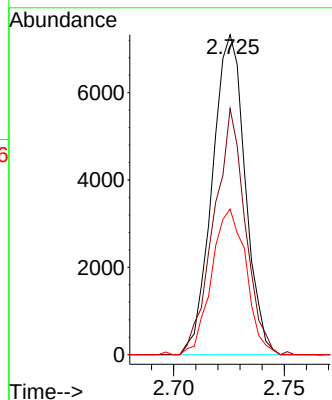
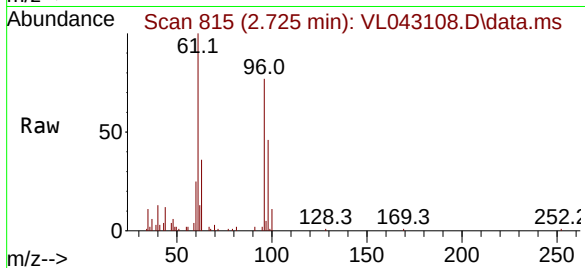




#31
 cis-1,2-Dichloroethene
 Concen: 0.507 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

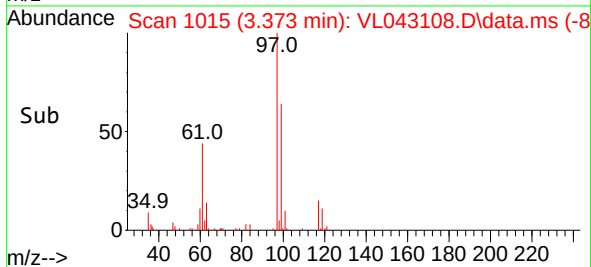
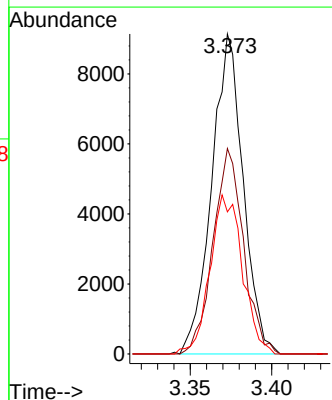
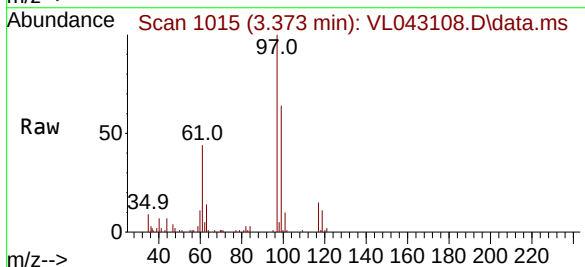
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

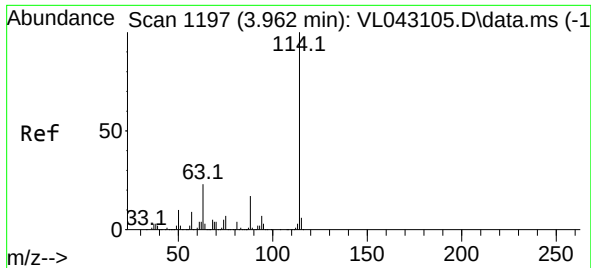
Tgt Ion: 61 Resp: 7576
 Ion Ratio Lower Upper
 61 100
 96 76.9 51.0 76.6#
 98 45.5 33.5 50.3



#32
 1,1,1-Trichloroethane
 Concen: 0.518 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Tgt Ion: 97 Resp: 12234
 Ion Ratio Lower Upper
 97 100
 99 62.0 51.3 76.9
 61 51.2 38.4 57.6

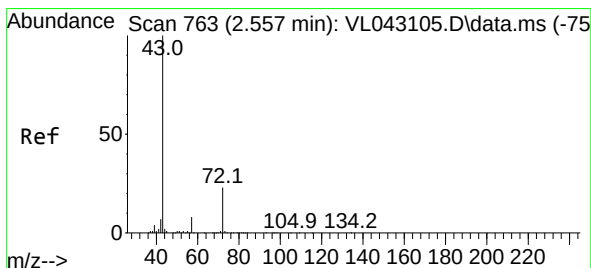
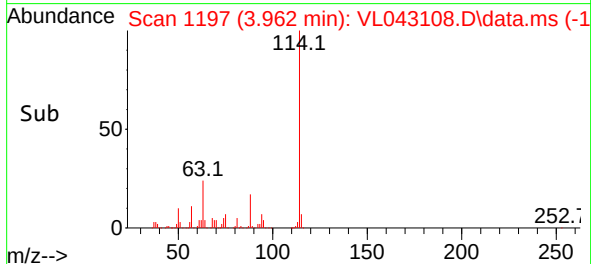
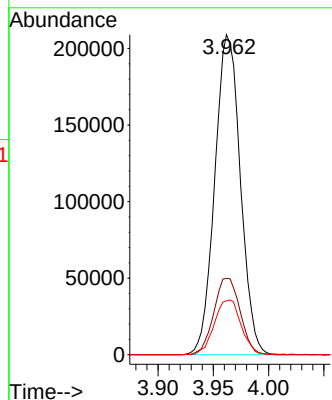
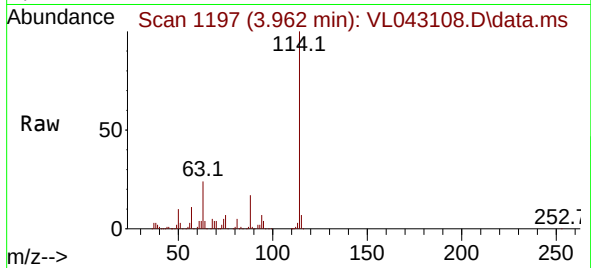




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

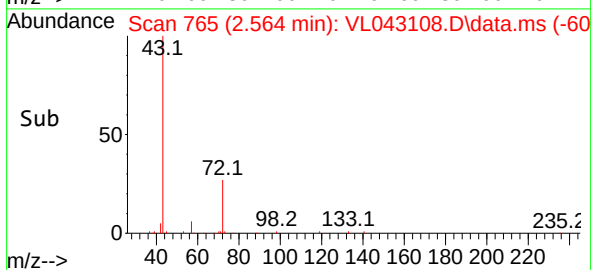
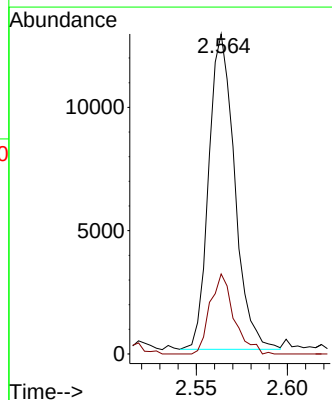
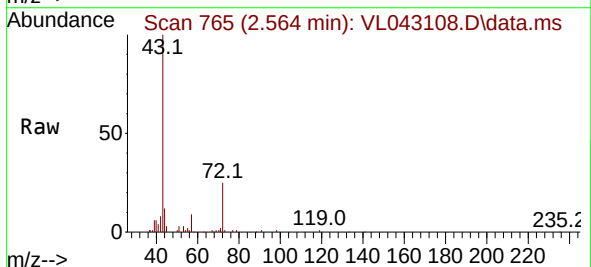
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

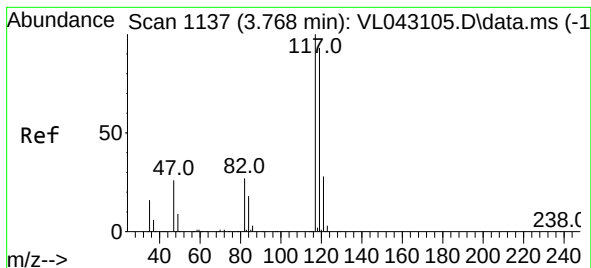
Tgt Ion:114 Resp: 336188
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.3 28.9
 88 17.9 13.9 20.9



#34
 2-Butanone
 Concen: 0.557 ppbv
 RT: 2.564 min Scan# 765
 Delta R.T. 0.006 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 12659
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.4 27.6





#35

Carbon Tetrachloride

Concen: 0.494 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

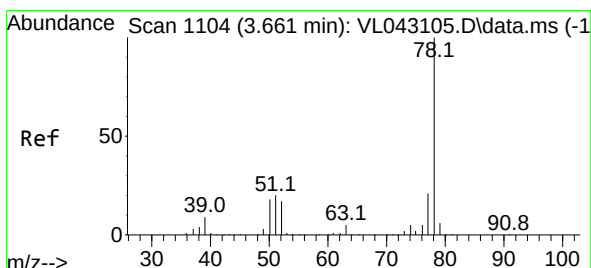
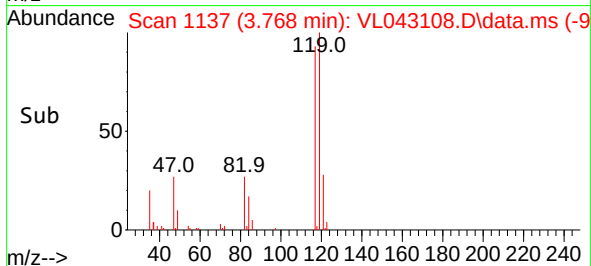
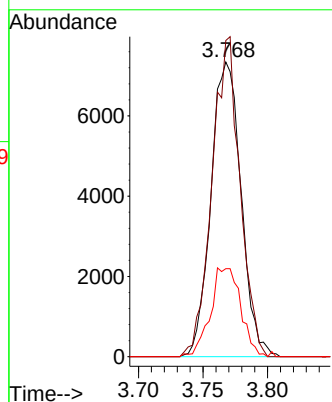
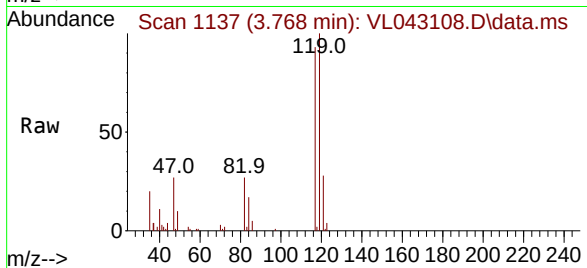
Tgt Ion:117 Resp: 11931

Ion Ratio Lower Upper

117 100

119 107.3 74.1 111.1

121 29.9 22.2 33.2



#36

Benzene

Concen: 0.517 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

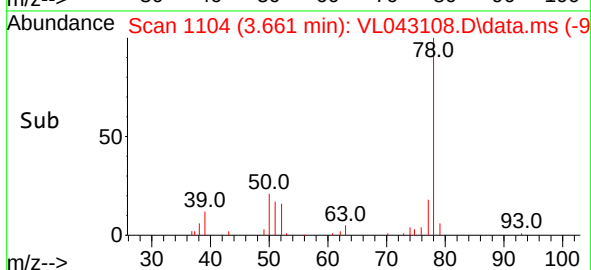
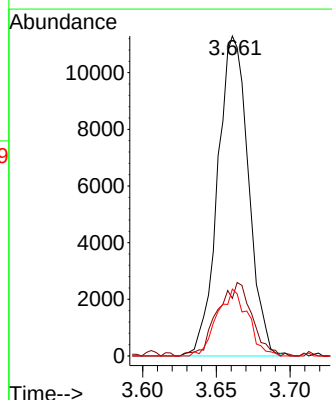
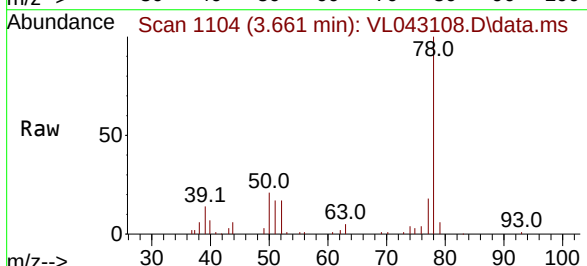
Tgt Ion: 78 Resp: 16376

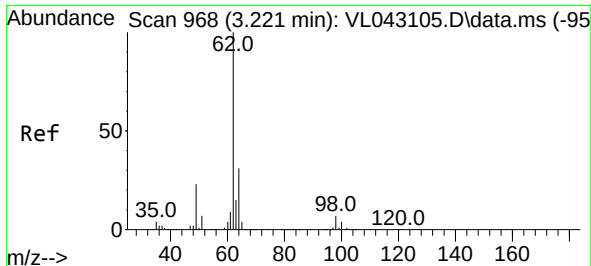
Ion Ratio Lower Upper

78 100

77 18.0 17.0 25.6

50 20.9 14.6 22.0

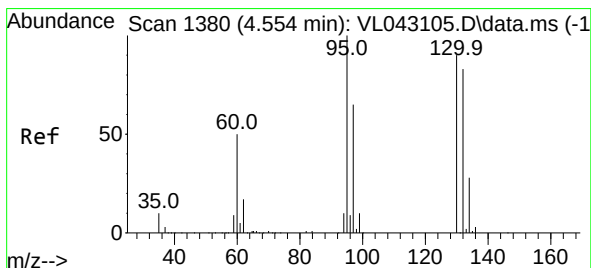
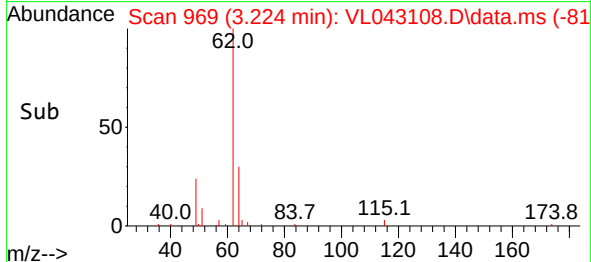
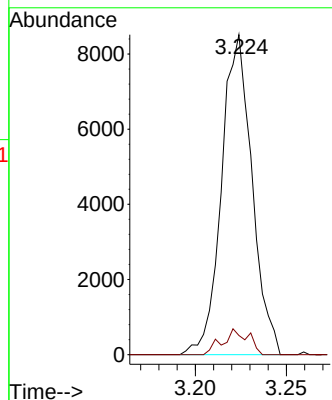
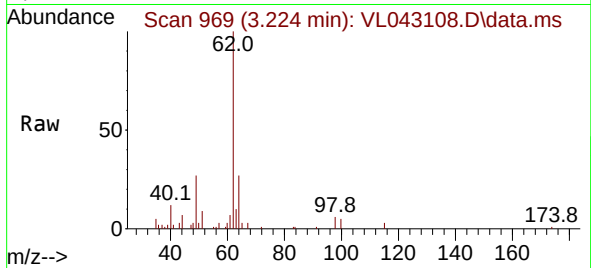




#37
1,2-Dichloroethane
Concen: 0.543 ppbv
RT: 3.224 min Scan# 907
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

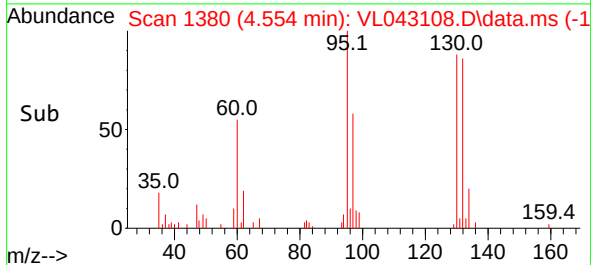
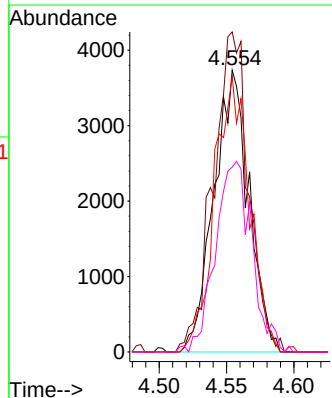
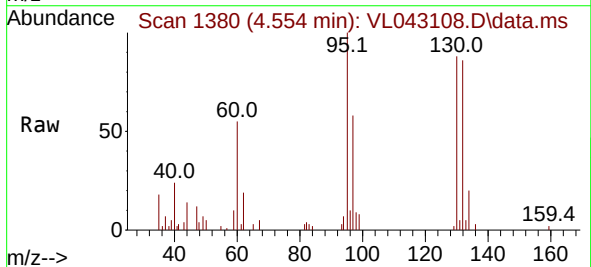
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

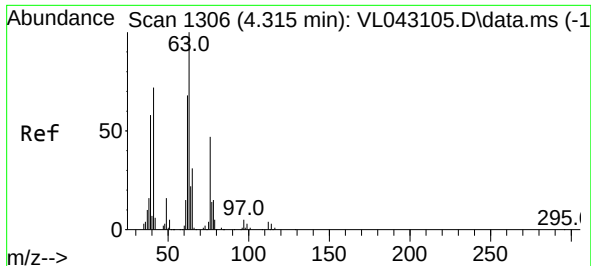
Tgt Ion: 62 Resp: 9907
Ion Ratio Lower Upper
62 100
98 6.8 5.8 8.6



#38
Trichloroethene
Concen: 0.511 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:130 Resp: 6745
Ion Ratio Lower Upper
130 100
95 110.7 88.6 133.0
132 97.8 73.4 110.0
97 63.7 57.8 86.6





#39

1,2-Dichloropropane

Concen: 0.521 ppbv

RT: 4.318 min Scan# 1306

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

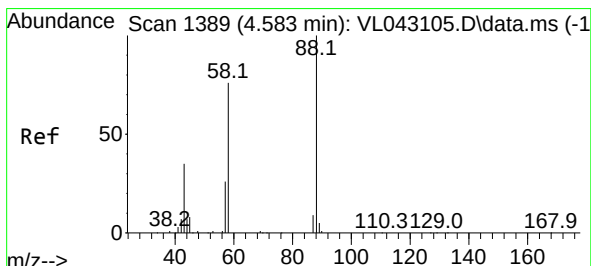
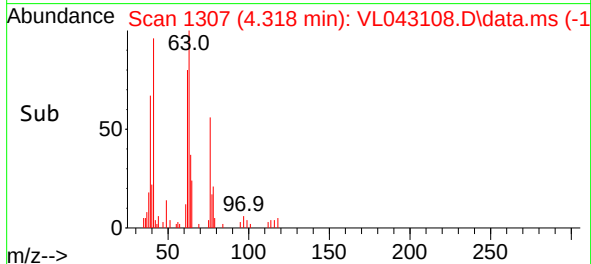
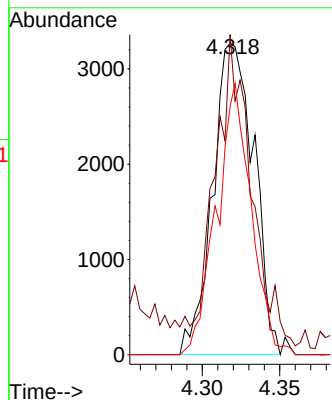
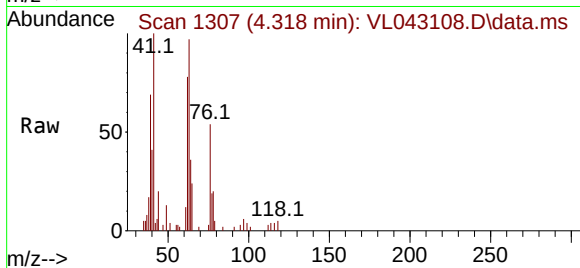
Tgt Ion: 63 Resp: 6032

Ion Ratio Lower Upper

63 100

41 93.9 58.0 87.0#

62 79.6 54.7 82.1



#40

1,4-Dioxane

Concen: 0.252 ppbv

RT: 4.603 min Scan# 1395

Delta R.T. 0.019 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Tgt Ion: 88 Resp: 1303

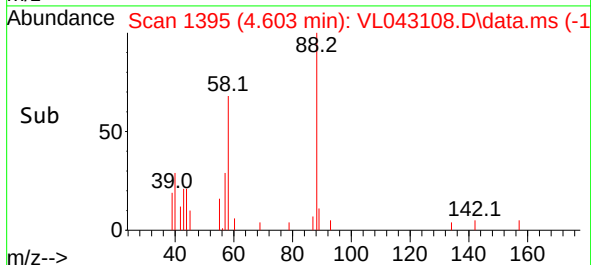
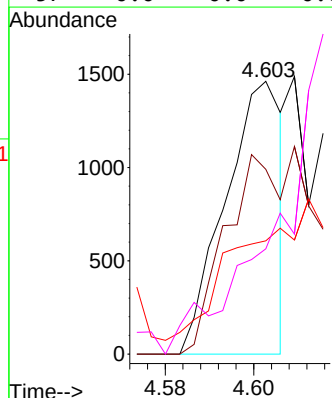
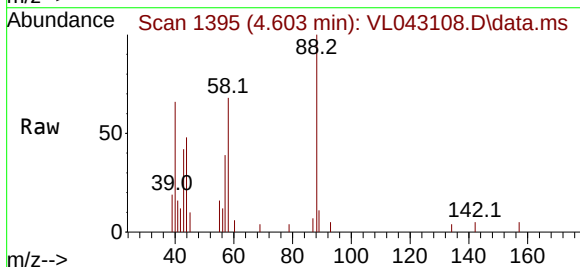
Ion Ratio Lower Upper

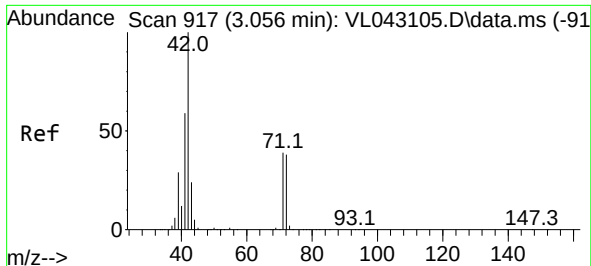
88 100

58 0.0 61.1 91.7#

43 24.5 24.0 36.0

57 0.0 0.0 0.0

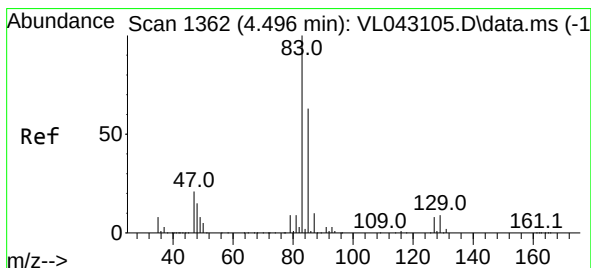
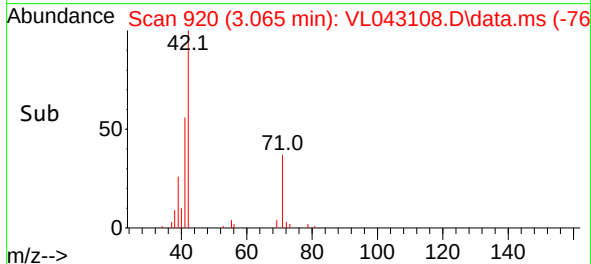
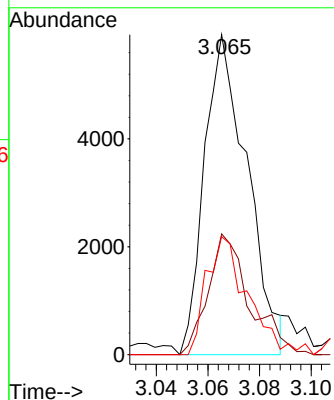
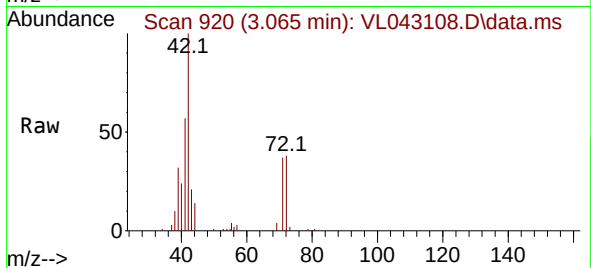




#41
Tetrahydrofuran
Concen: 0.538 ppbv
RT: 3.065 min Scan# 917
Delta R.T. 0.009 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

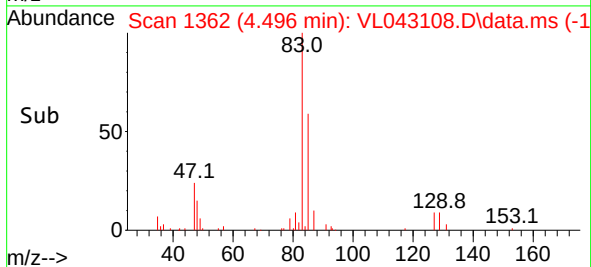
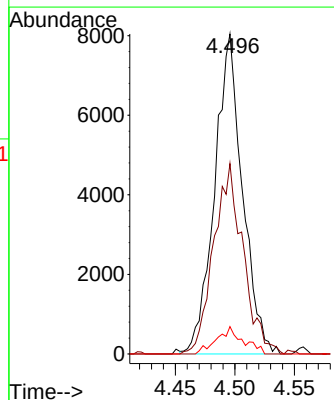
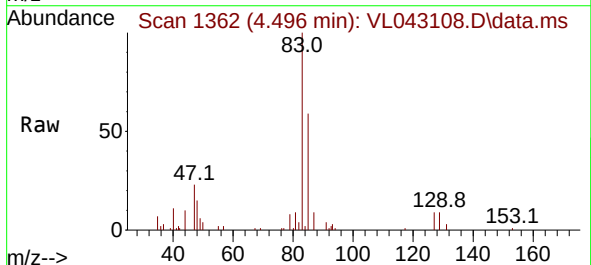
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

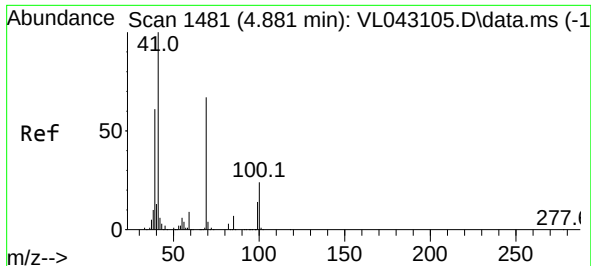
Tgt Ion:	42	Resp:	6831
Ion	Ratio	Lower	Upper
42	100		
72	36.6	31.3	46.9
71	37.2	30.4	45.6



#42
Bromodichloromethane
Concen: 0.519 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:	83	Resp:	13094
Ion	Ratio	Lower	Upper
83	100		
85	59.5	50.6	75.8
127	8.5	6.3	9.5

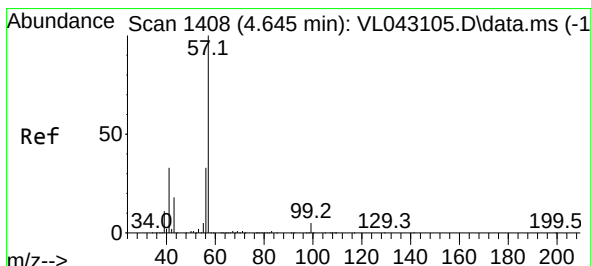
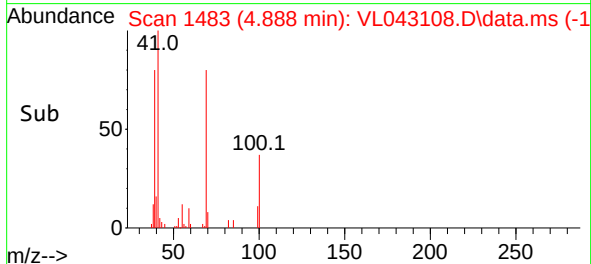
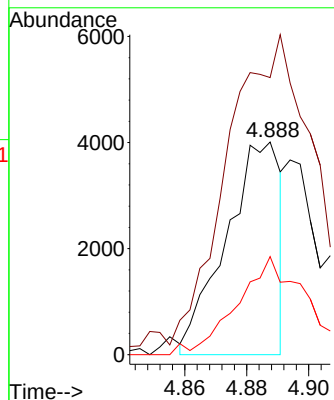
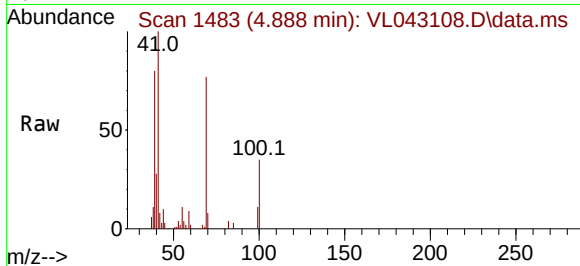




#43
Methyl Methacrylate
Concen: 0.303 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. 0.006 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

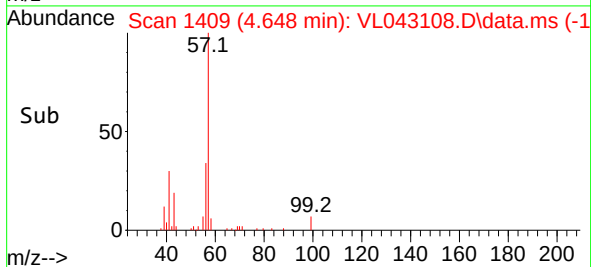
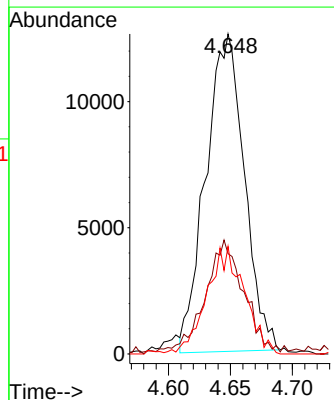
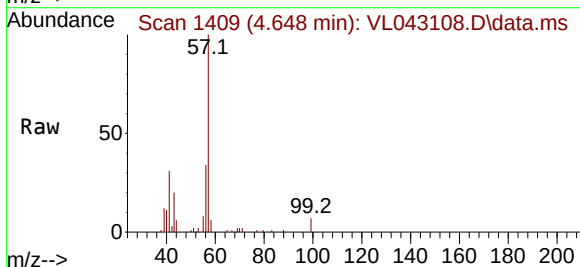
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

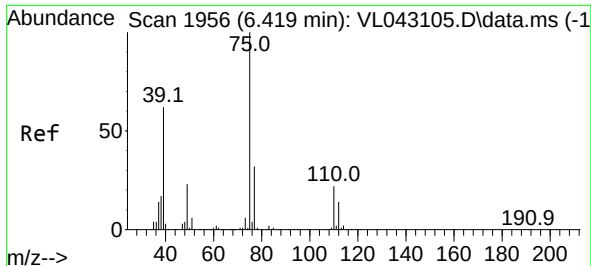
Tgt Ion: 69 Resp: 4902
Ion Ratio Lower Upper
69 100
41 0.0 120.5 180.7#
100 61.1 29.0 43.4#



#44
2,2,4-Trimethylpentane
Concen: 0.516 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 57 Resp: 27304
Ion Ratio Lower Upper
57 100
41 34.2 26.3 39.5
56 33.3 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 0.498 ppbv

RT: 6.425 min Scan# 1956

Delta R.T. 0.006 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

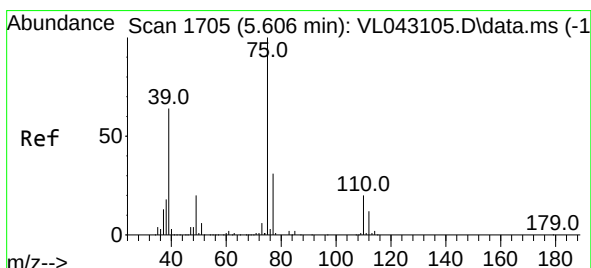
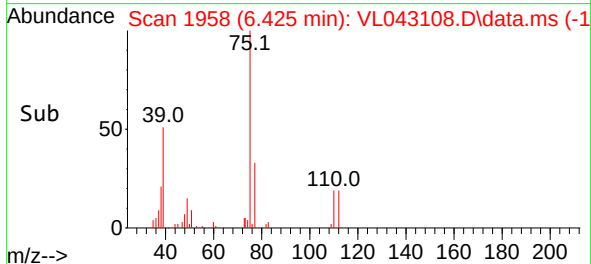
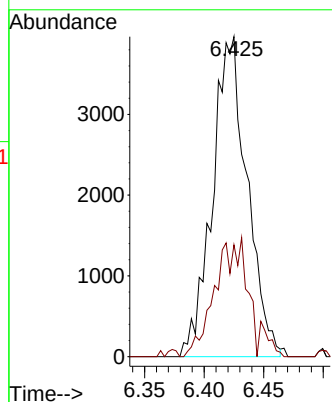
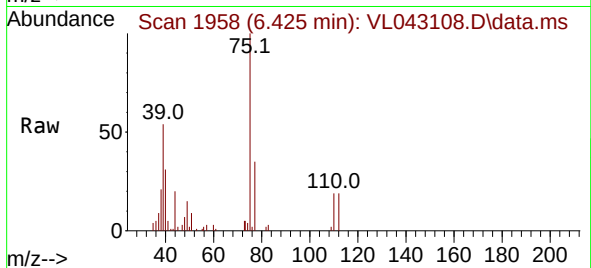
VSTDIC0.5

Tgt Ion: 75 Resp: 8030

Ion Ratio Lower Upper

75 100

77 34.9 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 0.435 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

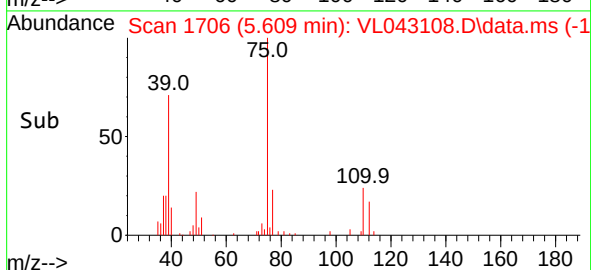
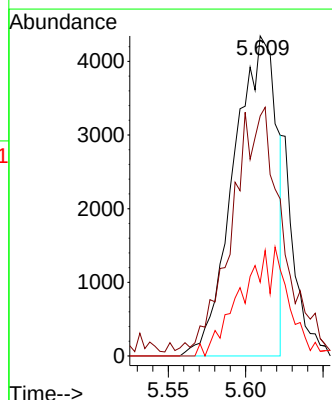
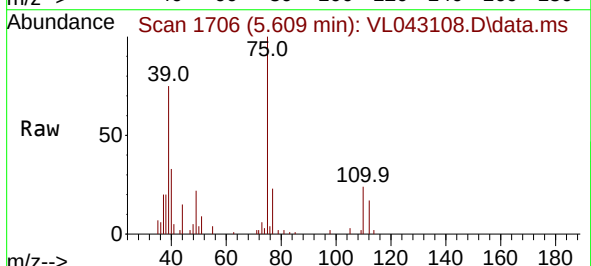
Tgt Ion: 75 Resp: 8375

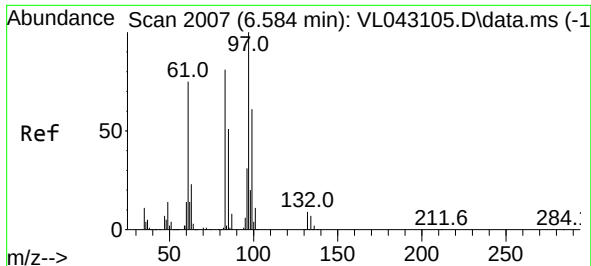
Ion Ratio Lower Upper

75 100

39 72.5 51.0 76.6

77 23.1 25.0 37.4#





#47

1,1,2-Trichloroethane

Concen: 0.560 ppbv

RT: 6.587 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 6996

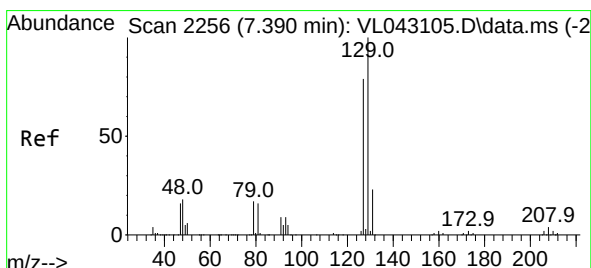
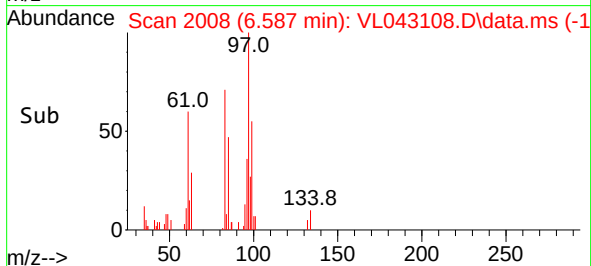
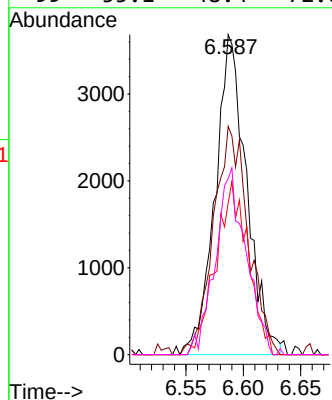
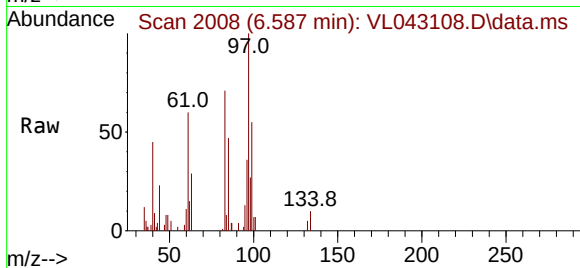
Ion Ratio Lower Upper

97 100

83 71.4 64.6 96.8

85 47.5 40.6 60.8

99 55.1 48.4 72.6



#48

Dibromochloromethane

Concen: 0.498 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VL043108.D

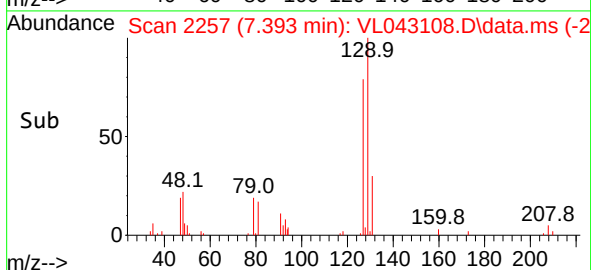
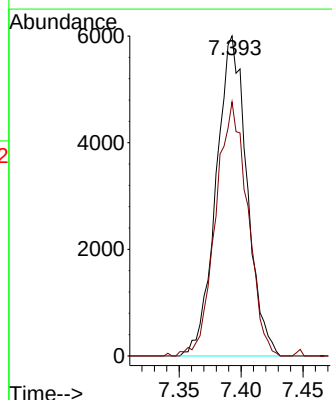
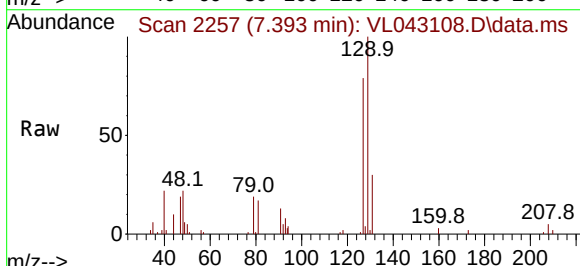
Acq: 14 Oct 2025 12:34

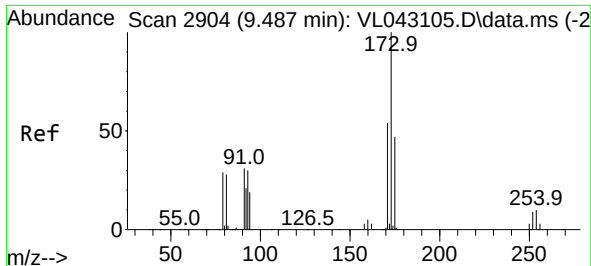
Tgt Ion: 129 Resp: 10413

Ion Ratio Lower Upper

129 100

127 82.2 39.3 117.9

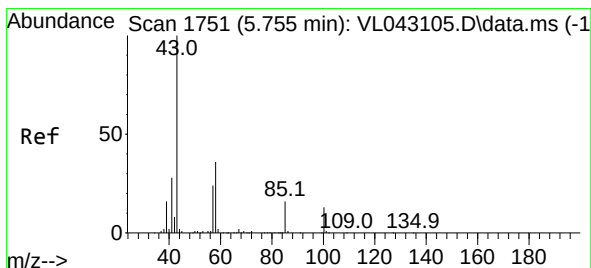
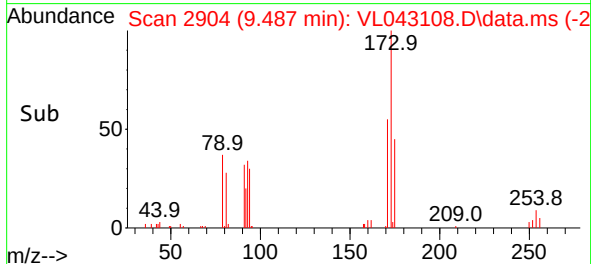
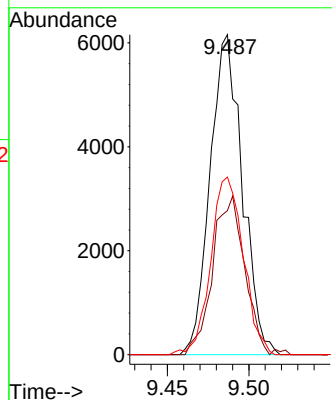
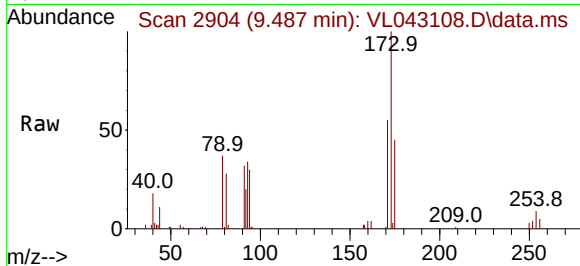




#49
Bromoform
Concen: 0.498 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

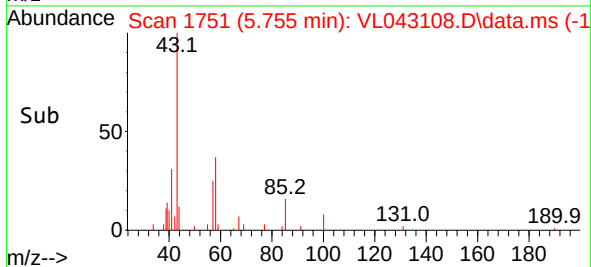
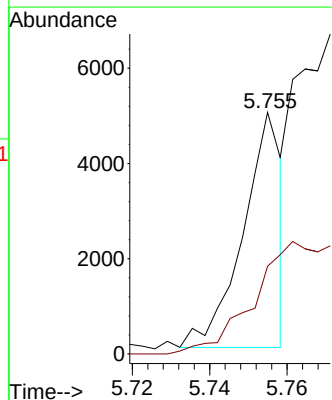
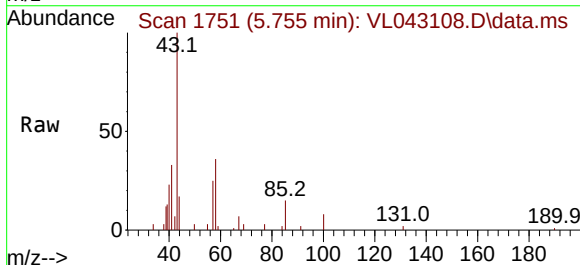
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

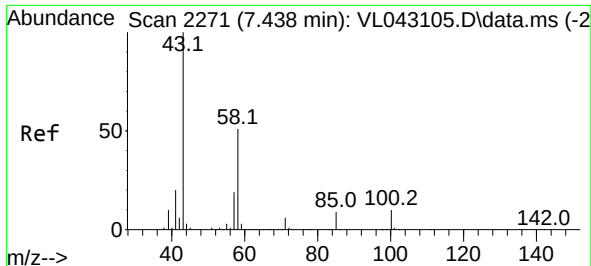
Tgt Ion:173 Resp: 8455
Ion Ratio Lower Upper
173 100
175 49.6 38.8 58.2
171 56.3 41.7 62.5



#50
4-Methyl-2-Pentanone
Concen: 0.110 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion: 43 Resp: 3434
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7#

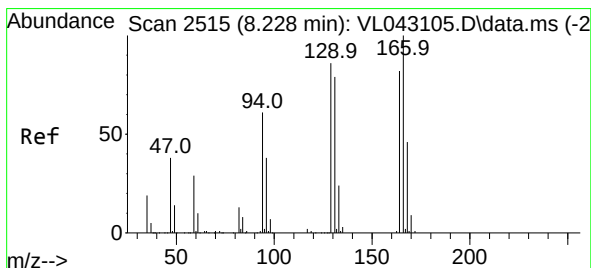
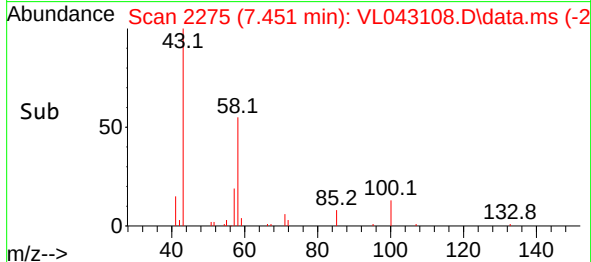
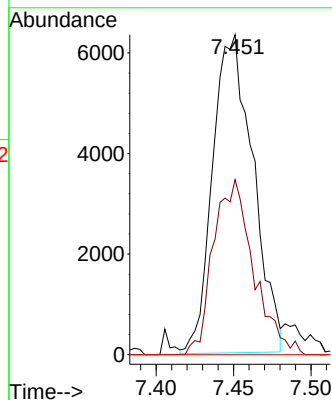
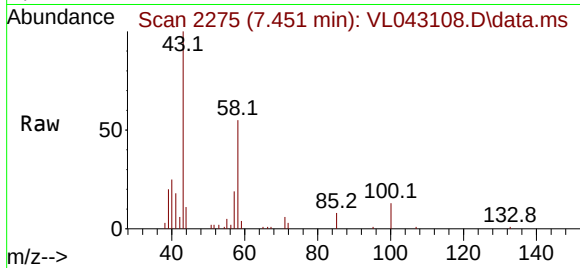




#51
2-Hexanone
Concen: 0.491 ppbv
RT: 7.451 min Scan# 2114
Delta R.T. 0.013 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

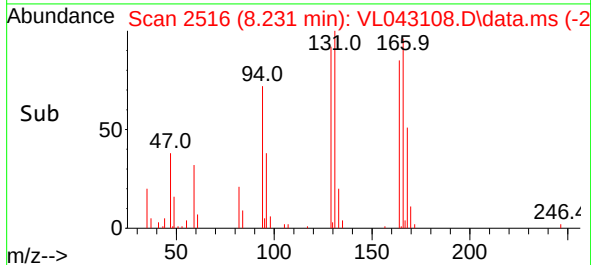
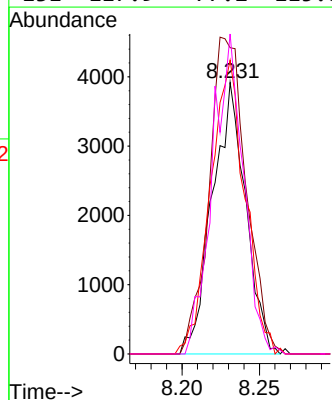
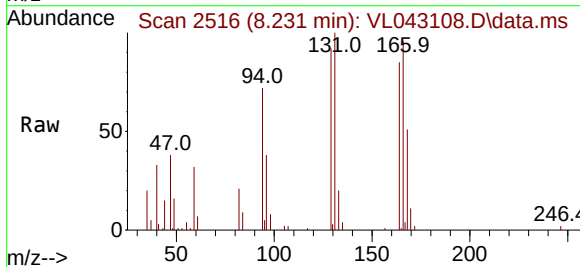
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

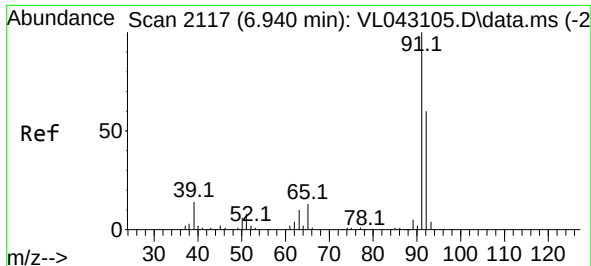
Tgt Ion: 43 Resp: 11485
Ion Ratio Lower Upper
43 100
58 54.7 40.4 60.6
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.513 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:164 Resp: 5863
Ion Ratio Lower Upper
164 100
166 112.8 97.6 146.4
129 106.1 84.5 126.7
131 117.9 77.2 115.8#





#53

Toluene

Concen: 0.542 ppbv

RT: 6.936 min Scan# 2117

Delta R.T. -0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

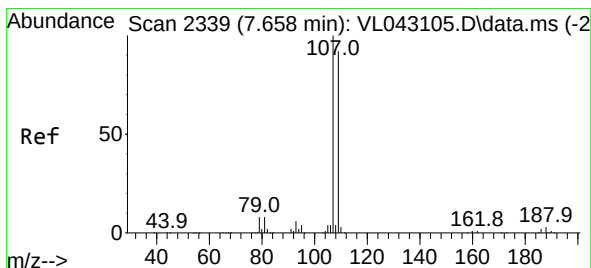
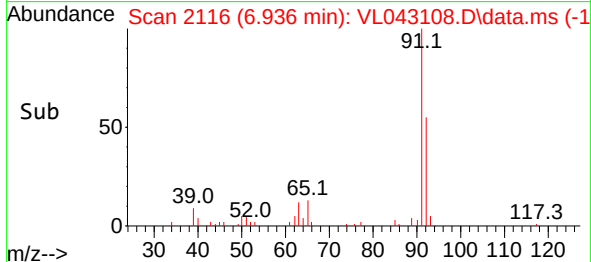
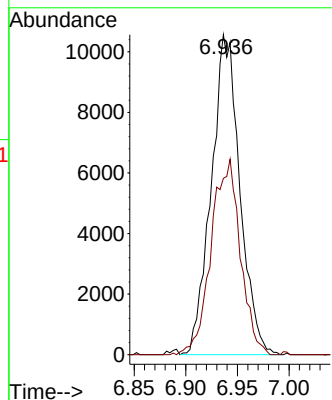
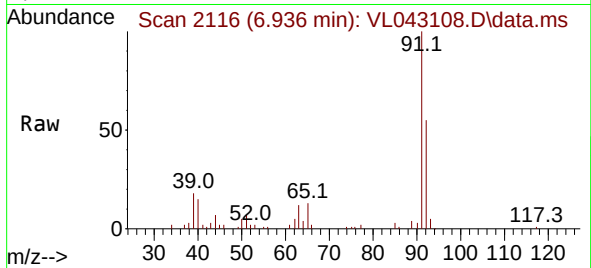
VSTDIC0.5

Tgt Ion: 91 Resp: 20380

Ion Ratio Lower Upper

91 100

92 62.1 48.8 73.2



#54

1,2-Dibromoethane

Concen: 0.486 ppbv

RT: 7.661 min Scan# 2340

Delta R.T. 0.003 min

Lab File: VL043108.D

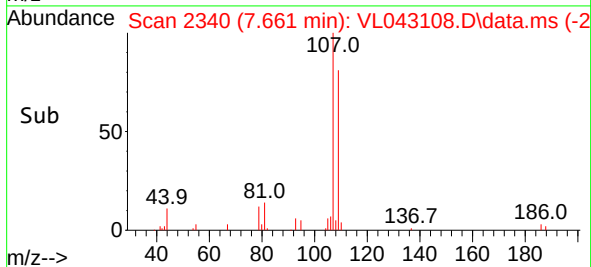
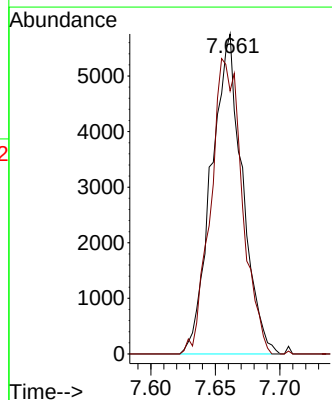
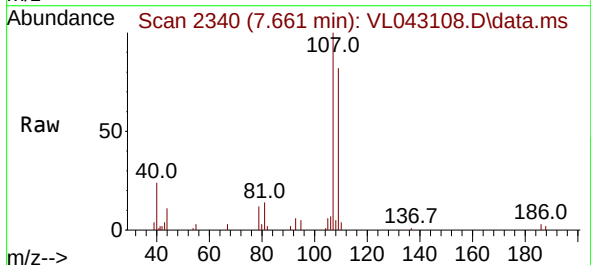
Acq: 14 Oct 2025 12:34

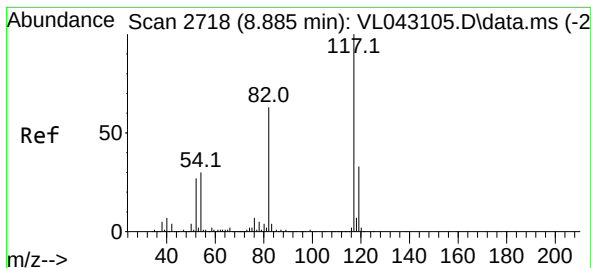
Tgt Ion: 107 Resp: 9586

Ion Ratio Lower Upper

107 100

109 82.2 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2718

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

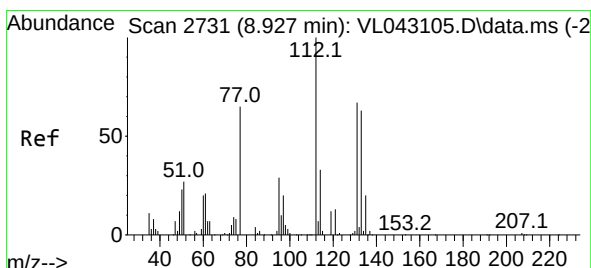
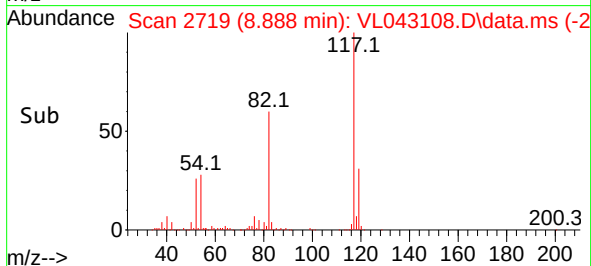
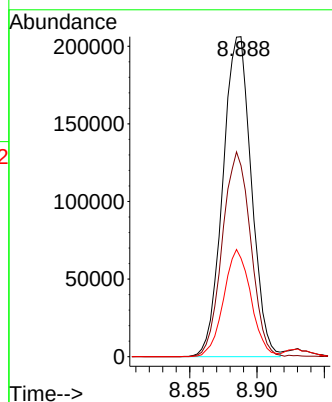
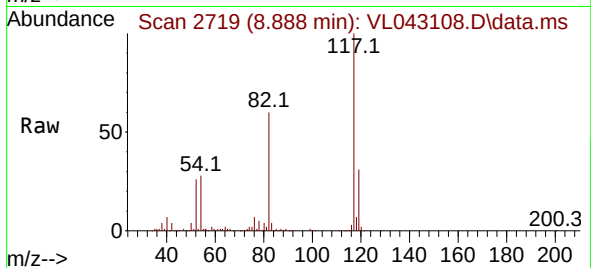
Tgt Ion:117 Resp: 303445

Ion Ratio Lower Upper

117 100

82 63.9 53.8 80.8

119 32.1 25.4 38.0



#56

1,1,1,2-Tetrachloroethane

Concen: 0.525 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

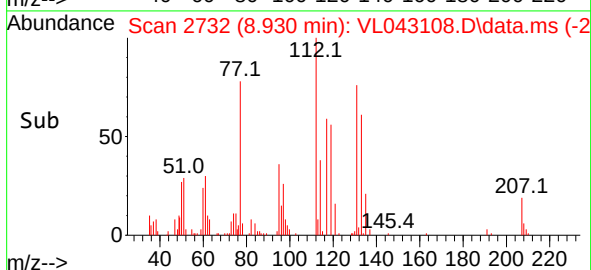
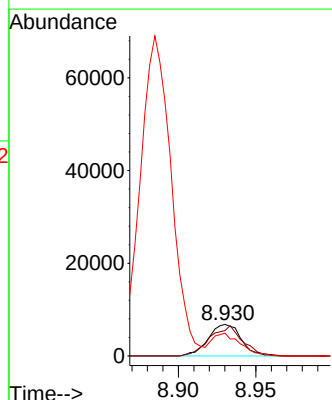
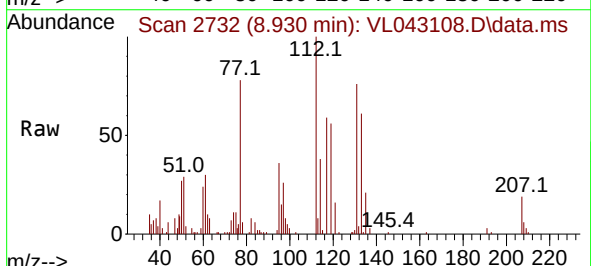
Tgt Ion:131 Resp: 10044

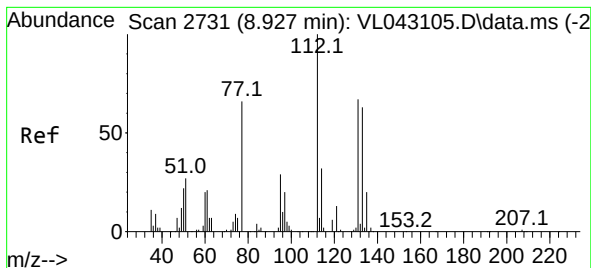
Ion Ratio Lower Upper

131 100

133 94.6 75.7 113.5

119 1032.5 50.6 76.0#





#57

Chlorobenzene

Concen: 0.540 ppbv

RT: 8.927 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

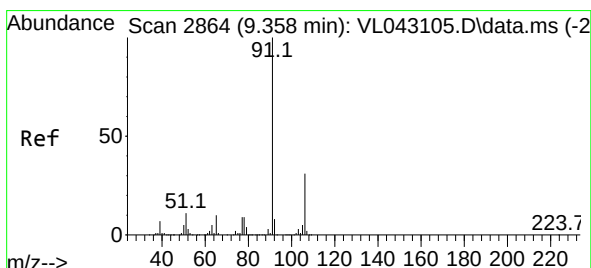
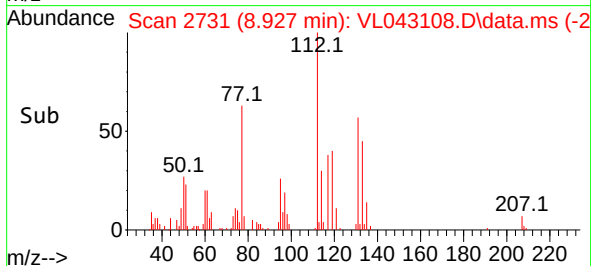
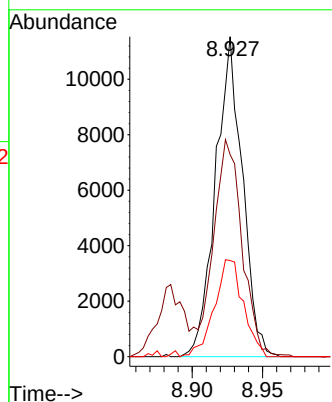
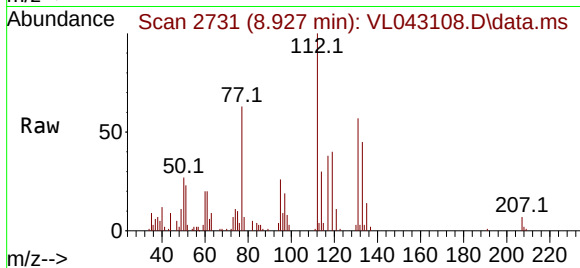
Tgt Ion:112 Resp: 15318

Ion Ratio Lower Upper

112 100

77 62.5 53.3 79.9

114 30.0 29.3 35.8



#58

Ethyl Benzene

Concen: 0.521 ppbv

RT: 9.357 min Scan# 2864

Delta R.T. -0.000 min

Lab File: VL043108.D

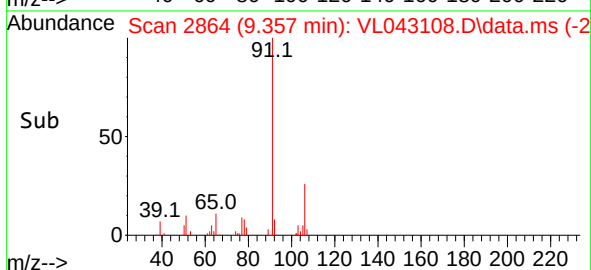
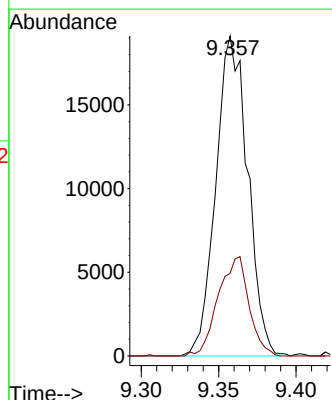
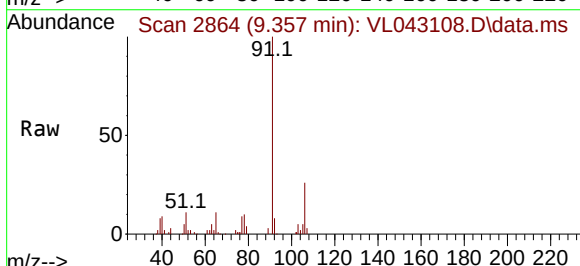
Acq: 14 Oct 2025 12:34

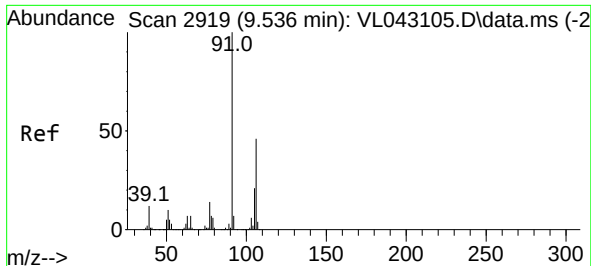
Tgt Ion: 91 Resp: 27330

Ion Ratio Lower Upper

91 100

106 25.8 24.8 37.2





#59

m/p-Xylene

Concen: 0.483 ppbv

RT: 9.539 min Scan# 2919

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_1

ClientSampleId :

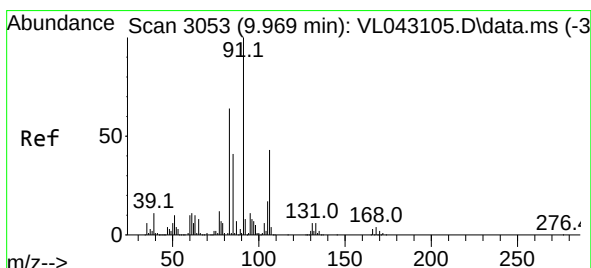
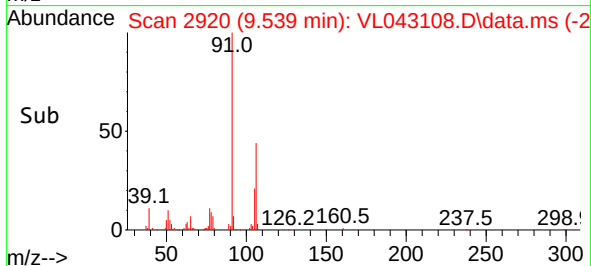
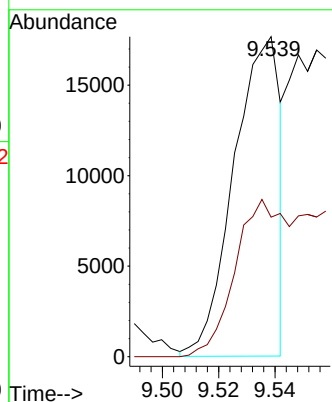
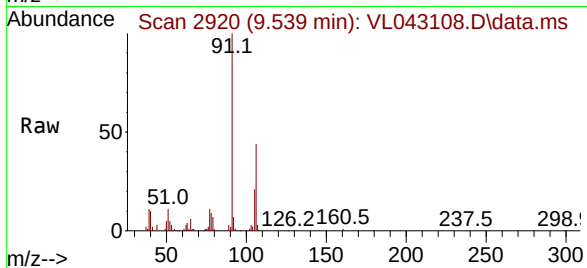
VSTDICC0.5

Tgt Ion: 91 Resp: 20079

Ion Ratio Lower Upper

91 100

106 104.4 38.0 57.0#



#60

o-Xylene

Concen: 0.530 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL043108.D

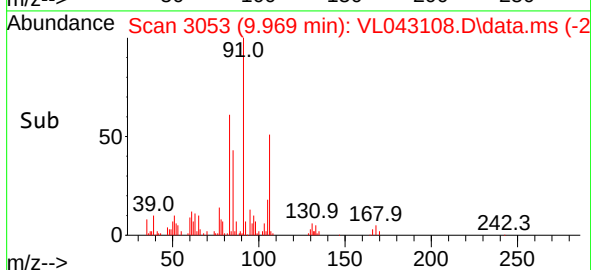
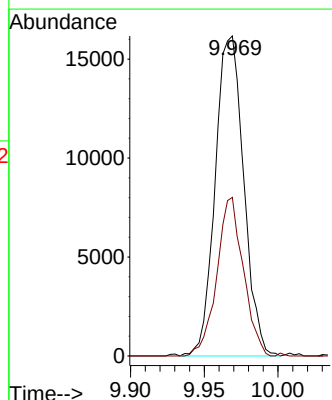
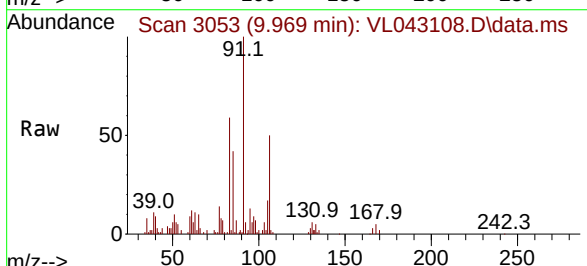
Acq: 14 Oct 2025 12:34

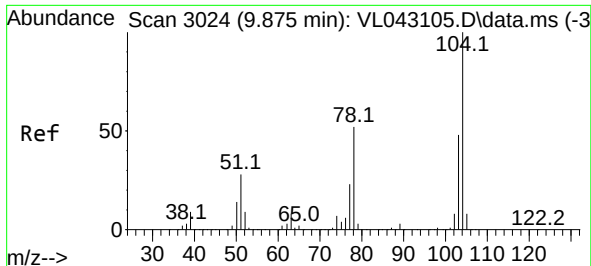
Tgt Ion: 91 Resp: 21745

Ion Ratio Lower Upper

91 100

106 46.2 21.9 65.8

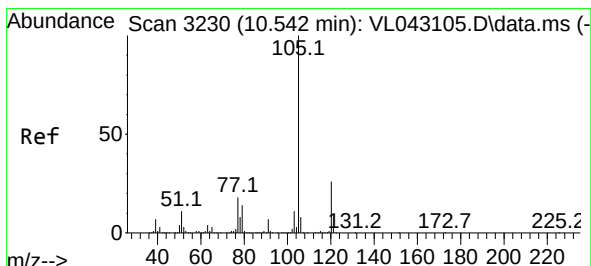
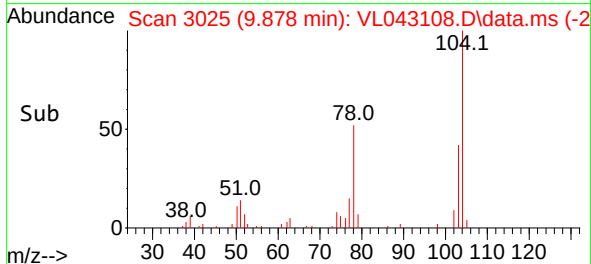
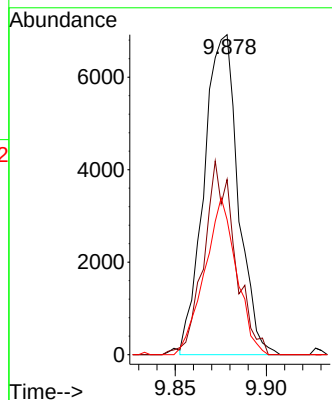
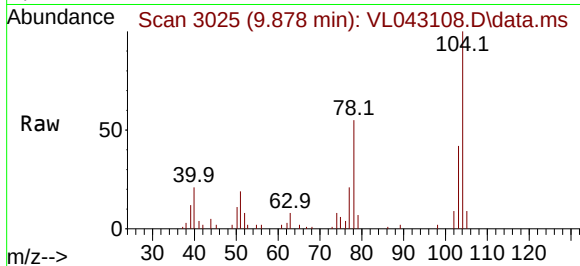




#61
Styrene
Concen: 0.489 ppbv
RT: 9.878 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

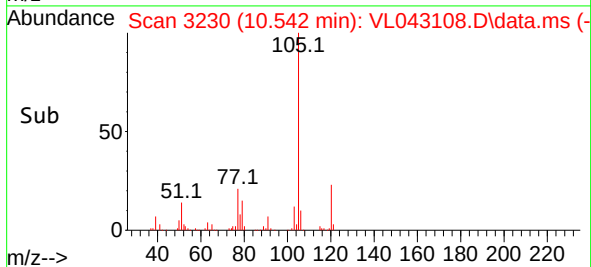
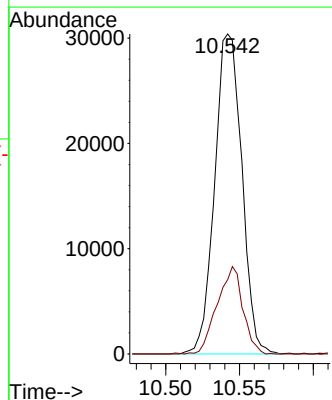
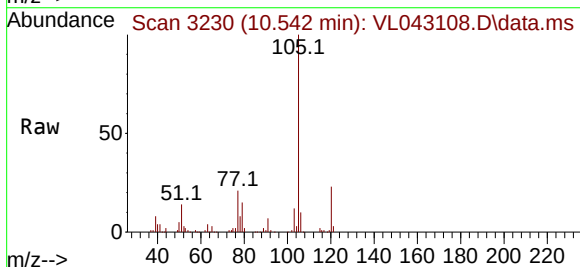
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

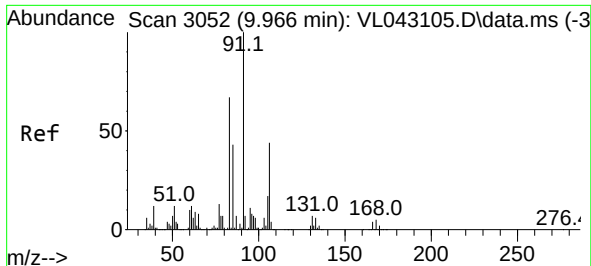
Tgt Ion:104 Resp: 9052
Ion Ratio Lower Upper
104 100
78 55.0 40.2 60.2
103 45.6 36.9 55.3



#62
Isopropylbenzene
Concen: 0.525 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:105 Resp: 38899
Ion Ratio Lower Upper
105 100
120 25.8 20.2 30.4





#63

1,1,2-Tetrachloroethane

Concen: 0.497 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

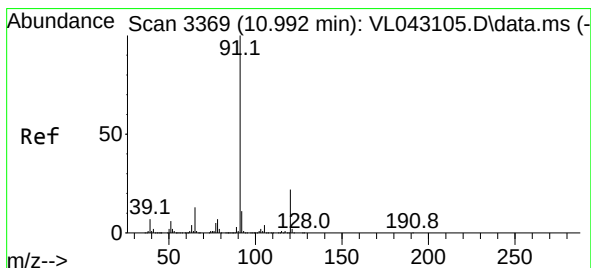
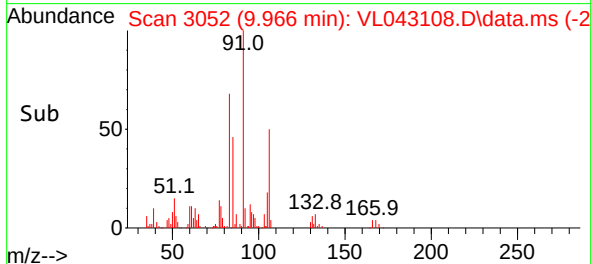
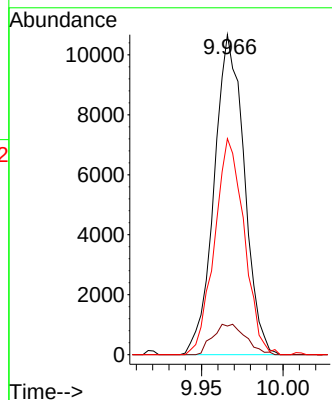
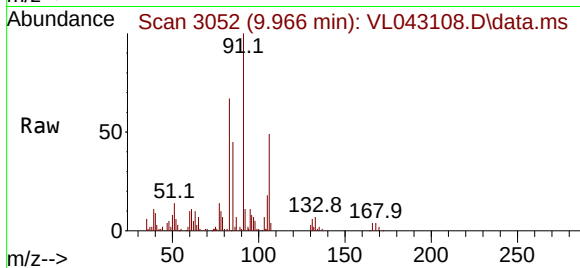
Tgt Ion: 83 Resp: 13653

Ion Ratio Lower Upper

83 100

131 10.5 4.8 14.3

85 66.7 32.0 96.0



#64

n-propylbenzene

Concen: 0.532 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. -0.000 min

Lab File: VL043108.D

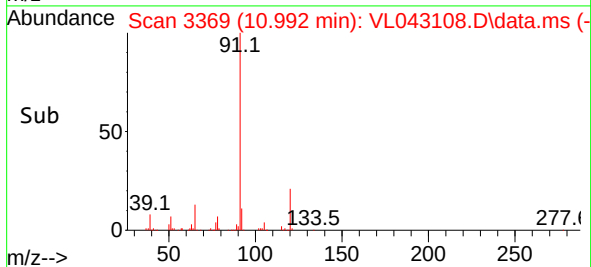
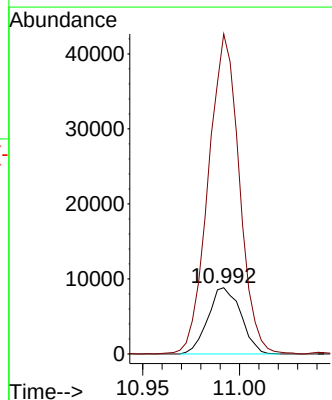
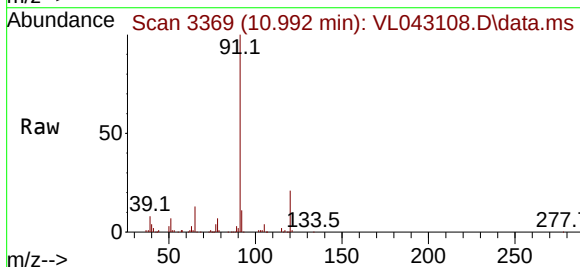
Acq: 14 Oct 2025 12:34

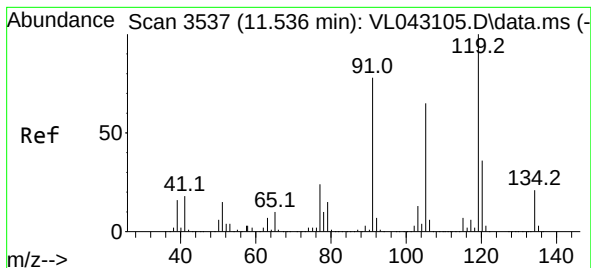
Tgt Ion: 120 Resp: 10435

Ion Ratio Lower Upper

120 100

91 455.0 361.6 542.4





#65

tert-Butylbenzene

Concen: 0.543 ppbv

RT: 11.532 min Scan# 3537

Delta R.T. -0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

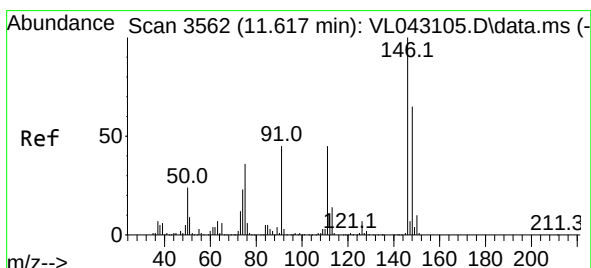
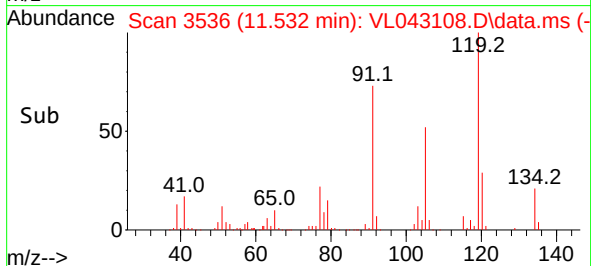
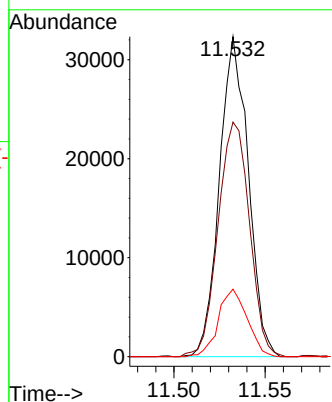
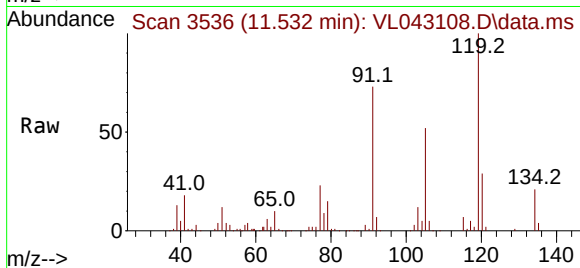
Tgt Ion:119 Resp: 35537

Ion Ratio Lower Upper

119 100

91 80.0 63.4 95.0

134 21.2 17.3 25.9



#66

Benzyl Chloride

Concen: 0.476 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

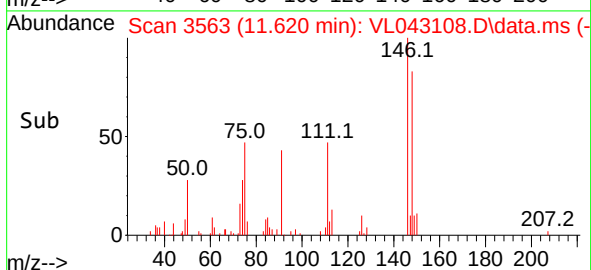
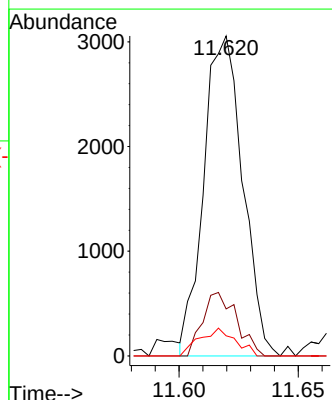
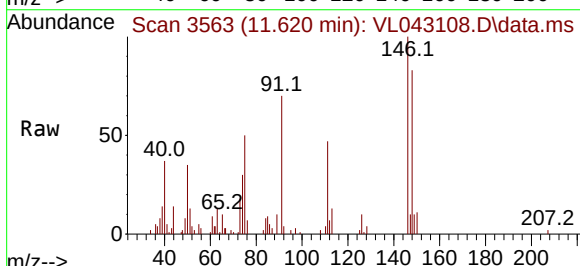
Tgt Ion: 91 Resp: 3477

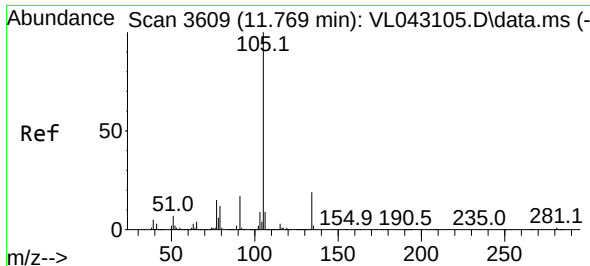
Ion Ratio Lower Upper

91 100

126 17.3 14.6 22.0

128 7.9 4.6 6.8#

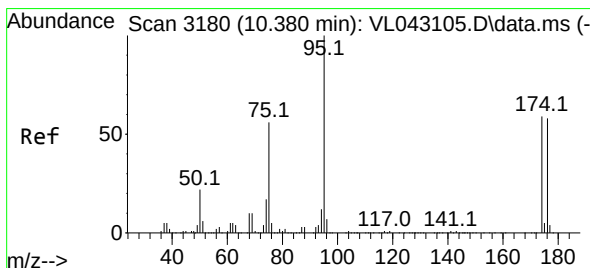
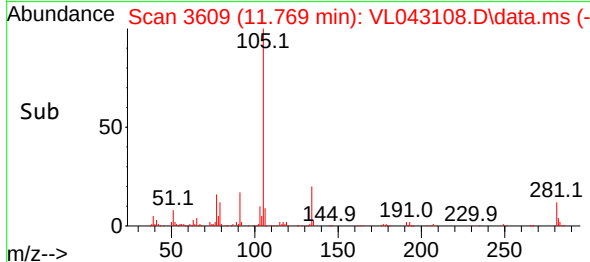
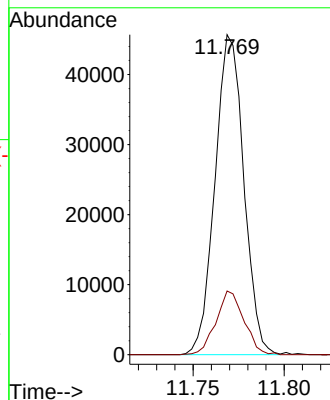
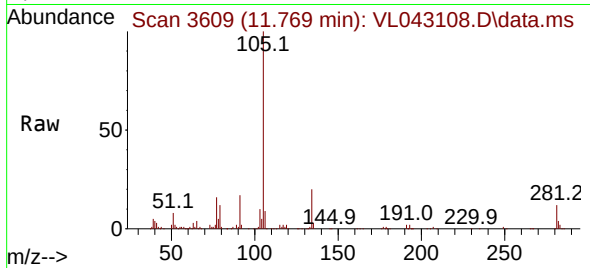




#67
 sec-Butylbenzene
 Concen: 0.541 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

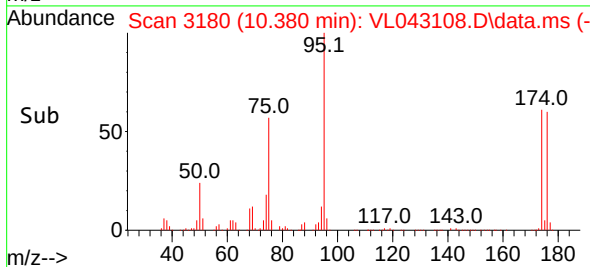
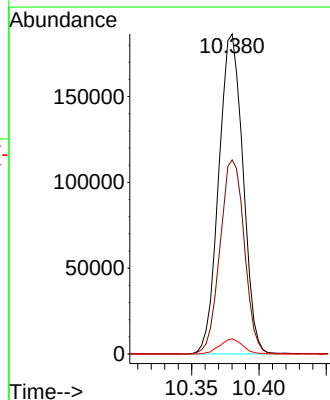
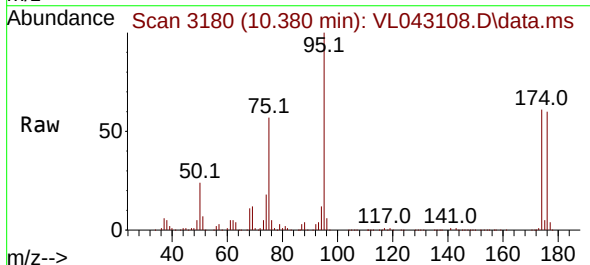
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

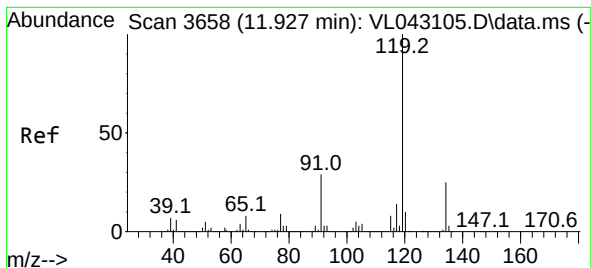
Tgt Ion:105 Resp: 50259
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.875 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Tgt Ion: 95 Resp: 232904
 Ion Ratio Lower Upper
 95 100
 174 61.0 48.3 72.5
 175 4.5 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.524 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

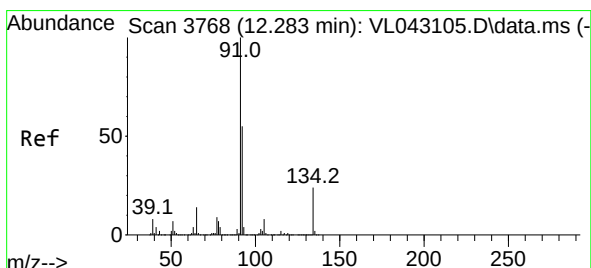
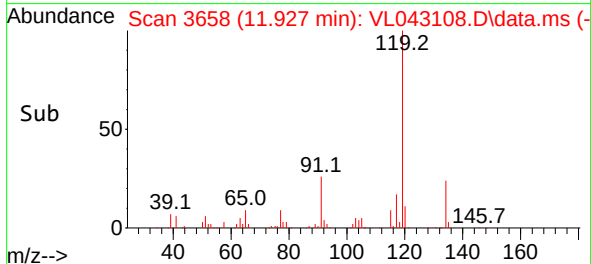
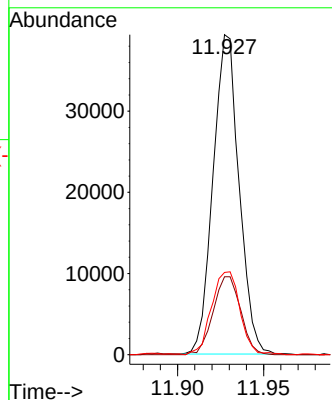
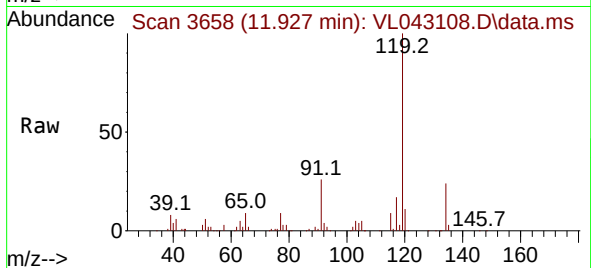
Tgt Ion:119 Resp: 41366

Ion Ratio Lower Upper

119 100

134 25.8 20.3 30.5

91 28.9 22.6 33.8



#70

n-Butylbenzene

Concen: 0.509 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

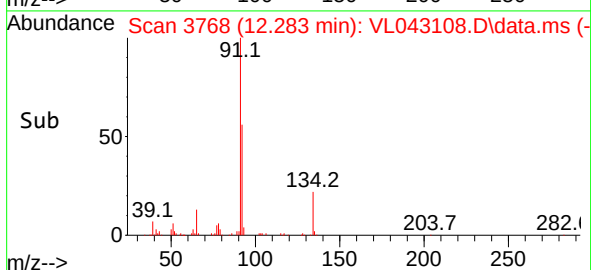
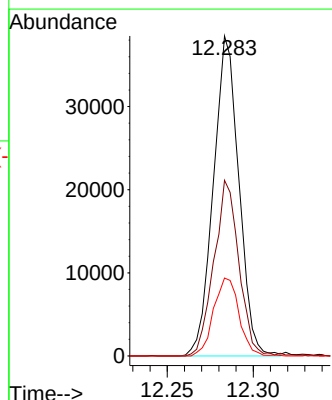
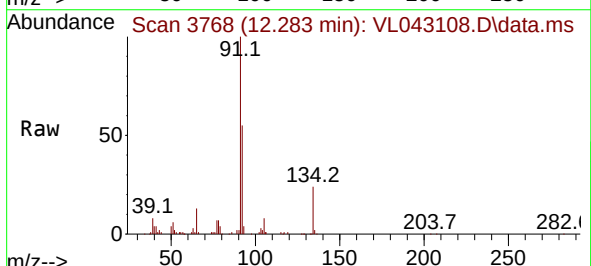
Tgt Ion: 91 Resp: 39620

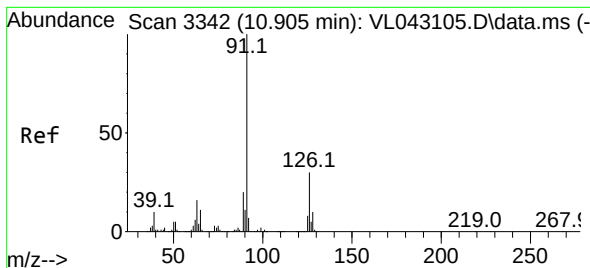
Ion Ratio Lower Upper

91 100

92 54.2 44.5 66.7

134 24.4 19.3 28.9





#71

2-Chlorotoluene

Concen: 0.526 ppbv

RT: 10.901 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

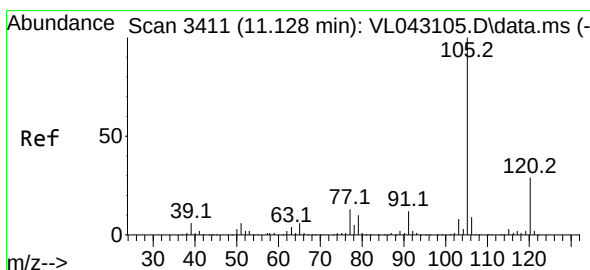
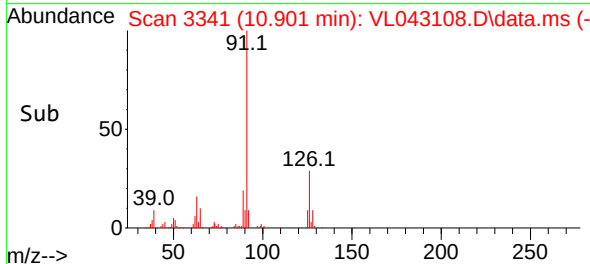
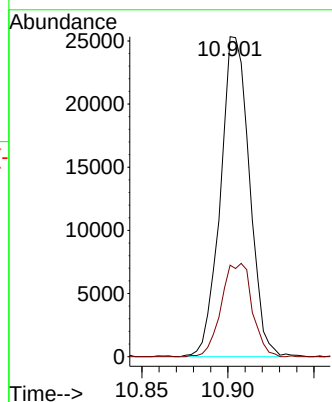
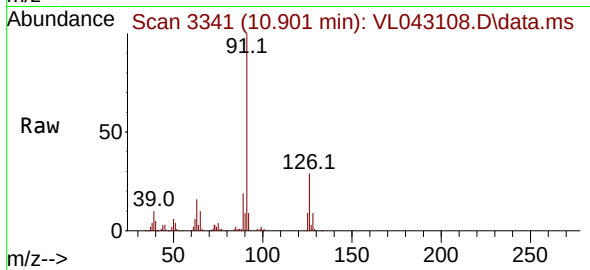
VSTDICC0.5

Tgt Ion: 91 Resp: 29722

Ion Ratio Lower Upper

91 100

126 30.9 12.0 48.0



#72

4-Ethyltoluene

Concen: 0.524 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Tgt Ion: 105 Resp: 26408

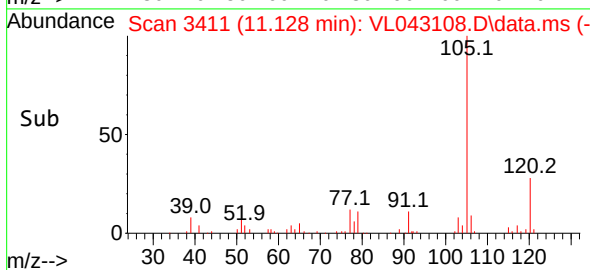
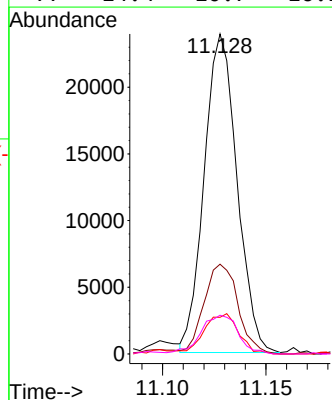
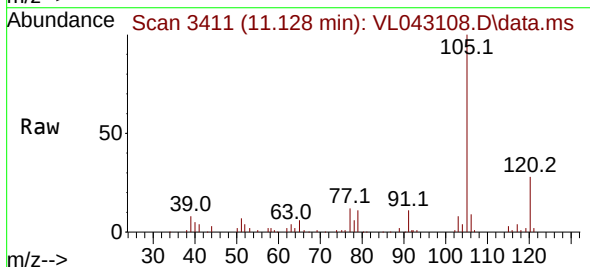
Ion Ratio Lower Upper

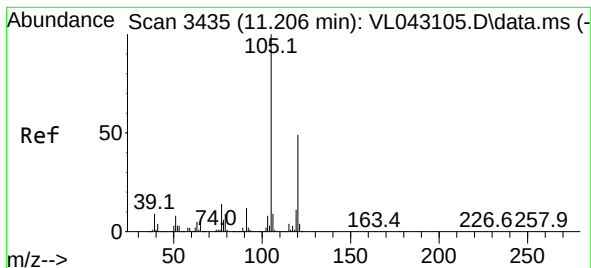
105 100

120 30.8 24.2 36.4

91 14.6 10.0 15.0

77 14.4 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.523 ppbv

RT: 11.209 min Scan# 3435

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_L

ClientSampleId :

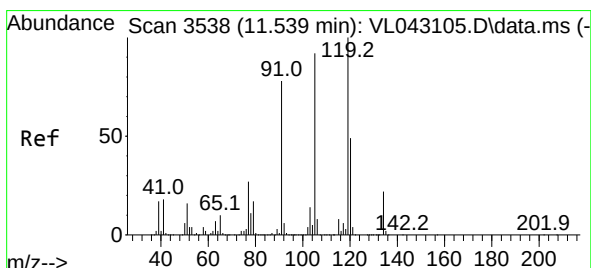
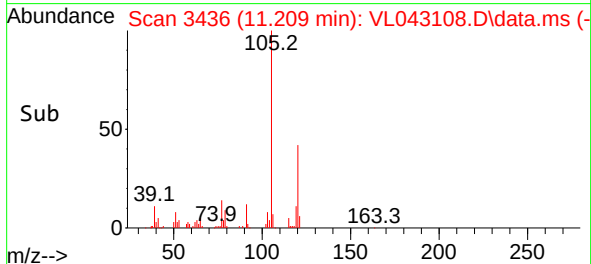
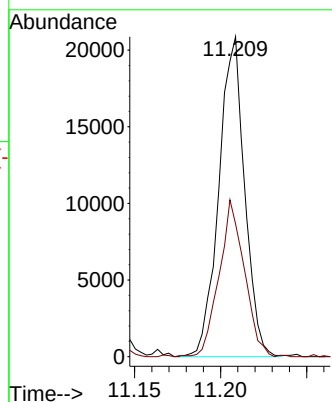
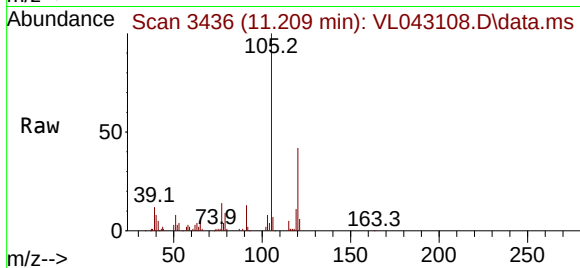
VSTDIC0.5

Tgt Ion:105 Resp: 21754

Ion Ratio Lower Upper

105 100

120 41.1 39.0 58.6



#74

1,2,4-Trimethylbenzene

Concen: 0.551 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Tgt Ion:105 Resp: 25663

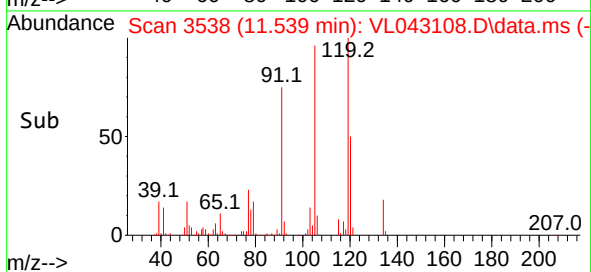
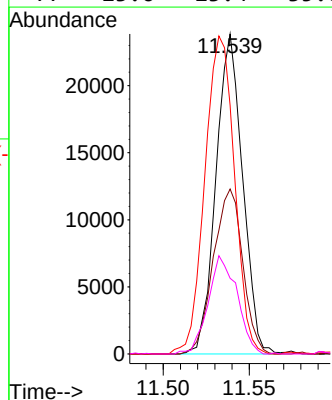
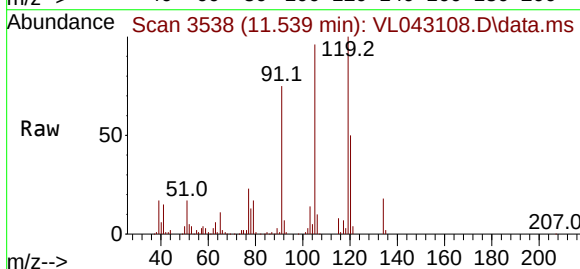
Ion Ratio Lower Upper

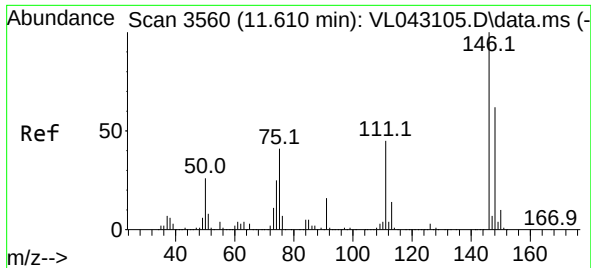
105 100

120 51.5 42.8 64.2

91 77.7 68.3 102.5

77 23.6 23.4 35.0

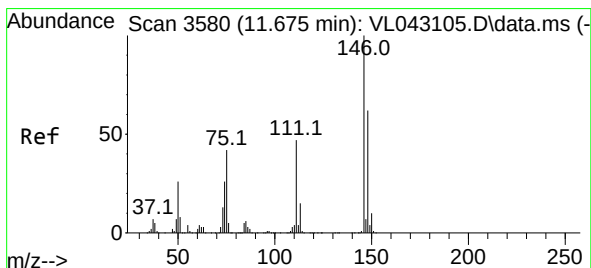
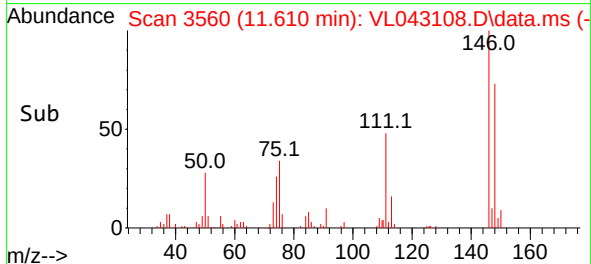
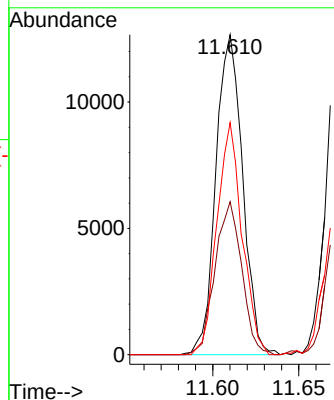
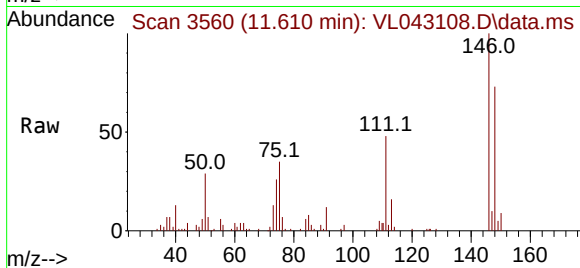




#75
1,3-Dichlorobenzene
Concen: 0.507 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

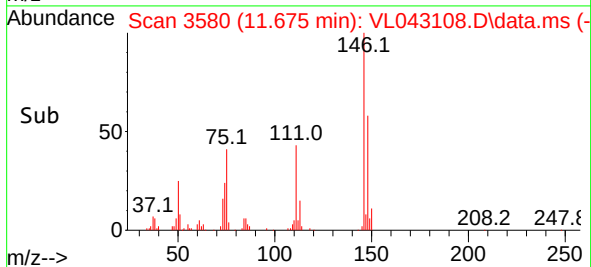
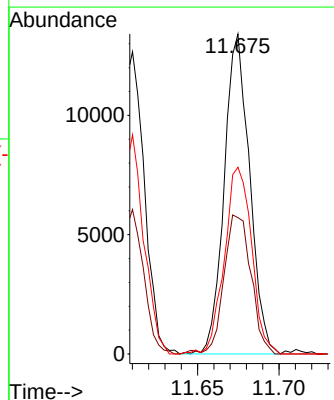
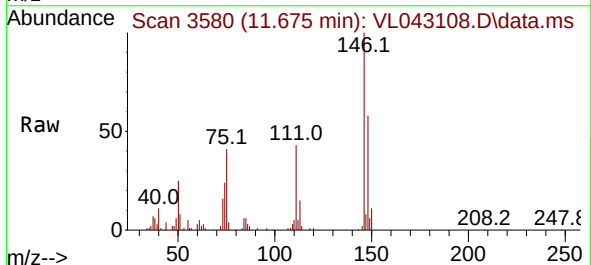
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

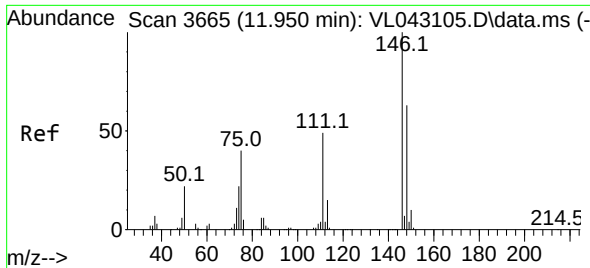
Tgt Ion:146 Resp: 13697
Ion Ratio Lower Upper
146 100
111 47.8 23.3 69.9
148 68.4 31.6 95.0



#76
1,4-Dichlorobenzene
Concen: 0.533 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:146 Resp: 14514
Ion Ratio Lower Upper
146 100
111 46.4 22.4 67.0
148 62.7 31.6 94.7

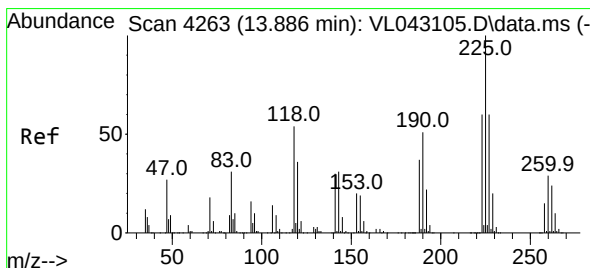
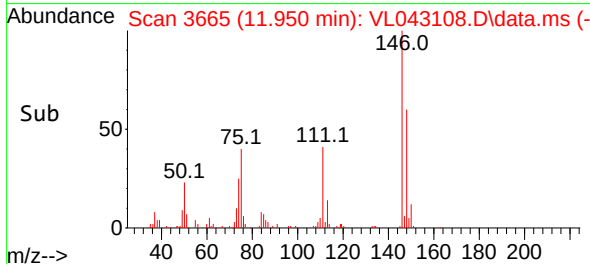
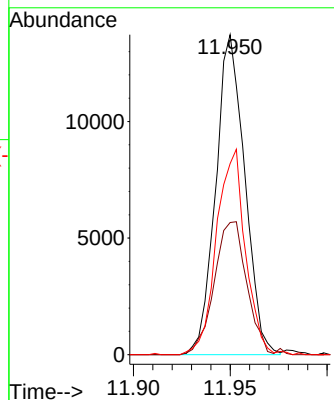
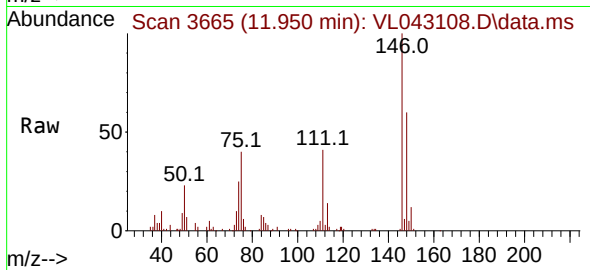




#77
1,2-Dichlorobenzene
Concen: 0.548 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

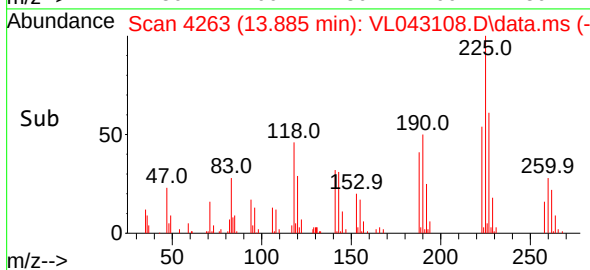
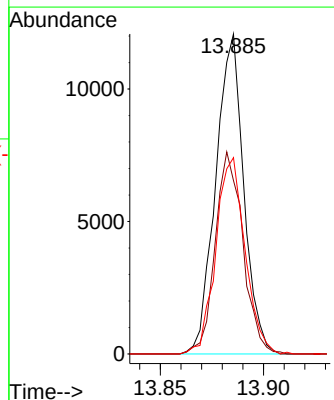
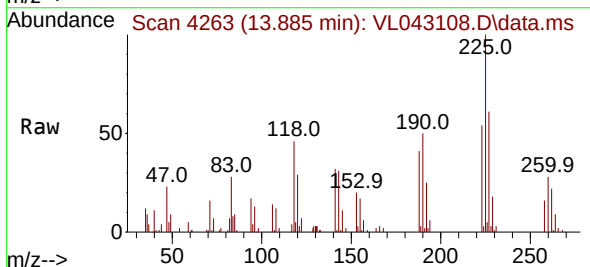
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

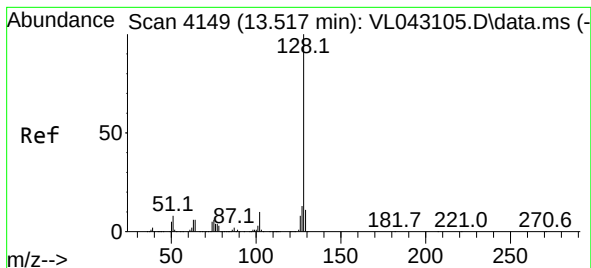
Tgt Ion:146 Resp: 14324
Ion Ratio Lower Upper
146 100
111 46.9 24.0 72.0
148 64.1 31.1 93.3



#78
Hexachloro-1,3-Butadiene
Concen: 0.564 ppbv
RT: 13.885 min Scan# 4263
Delta R.T. -0.000 min
Lab File: VL043108.D
Acq: 14 Oct 2025 12:34

Tgt Ion:225 Resp: 11400
Ion Ratio Lower Upper
225 100
223 62.4 50.2 75.4
227 64.2 49.6 74.4





#79

Naphthalene

Concen: 0.483 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. -0.000 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

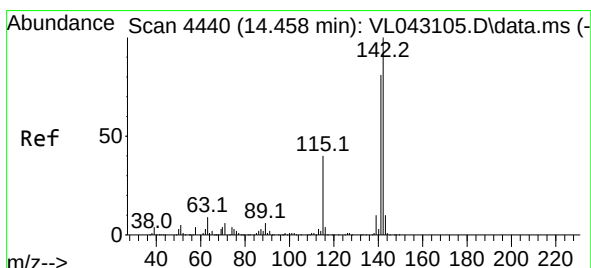
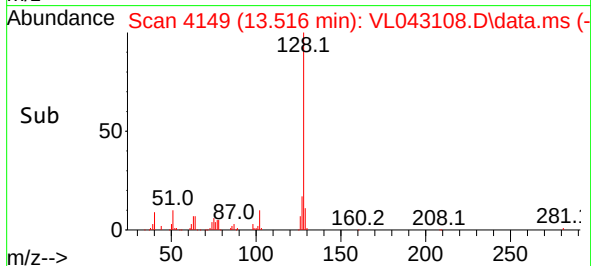
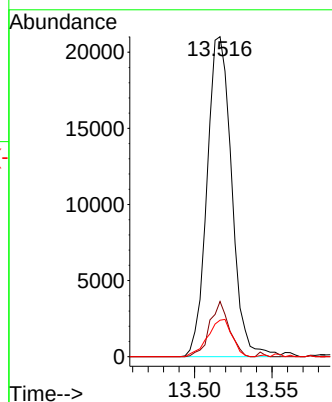
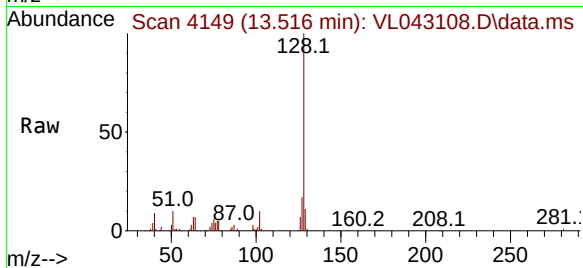
Tgt Ion:128 Resp: 23247

Ion Ratio Lower Upper

128 100

127 17.3 10.5 15.7#

129 11.4 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 0.305 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.003 min

Lab File: VL043108.D

Acq: 14 Oct 2025 12:34

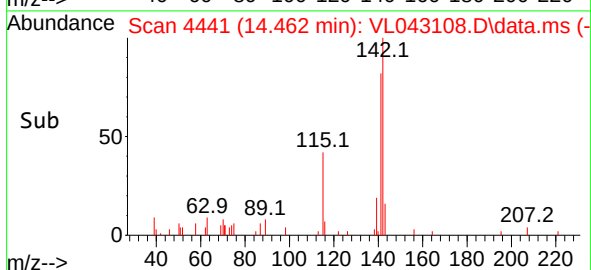
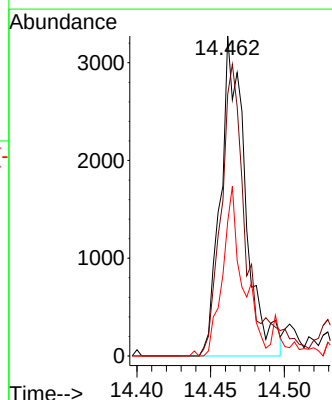
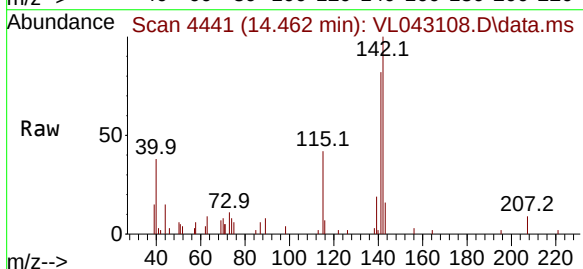
Tgt Ion:142 Resp: 3874

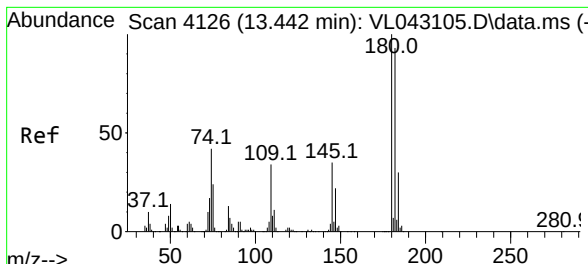
Ion Ratio Lower Upper

142 100

141 92.6 64.6 97.0

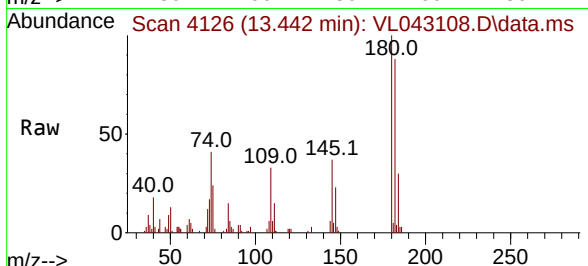
115 51.2 30.2 45.4#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.416 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043108.D
 Acq: 14 Oct 2025 12:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	180	Resp:	8395
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.5	113.3
184	31.4	23.9	35.9

