

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043107.D
 Acq On : 14 Oct 2025 12:01
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Oct 15 01:52:45 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	2.787	49	102307	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	336268	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	305409	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	235307	9.912	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	15620	1.074	ppbv	99
3) Chlorodifluoromethane	1.476	51	16692	1.061	ppbv #	91
4) Chloromethane	1.534	50	6353	1.103	ppbv	93
5) Vinyl Chloride	1.580	62	5694	1.008	ppbv	96
6) Bromomethane	1.667	94	3462	1.117	ppbv	98
7) Chloroethane	1.706	64	2615	1.132	ppbv #	82
8) Dichlorotetrafluoroethane	1.554	85	12940	1.101	ppbv	98
9) Propene	1.483	41	7291	1.045	ppbv	100
10) Heptane	4.978	43	22011	1.100	ppbv	99
11) Trichlorofluoromethane	1.877	101	14927	1.049	ppbv	85
12) 1,1,2-Trichlorotrifluo...	2.140	101	12484	1.090	ppbv	99
13) Ethanol	1.722	45	3143	1.217	ppbv	83
14) Bromoethene	1.780	108	4440	1.043	ppbv #	90
15) Acetone	1.835	43	15572	1.123	ppbv	90
16) 1,3-Butadiene	1.609	39	7157	1.089	ppbv	97
17) tert-Butyl alcohol	2.043	59	20941	1.106	ppbv #	90
18) 1,1-Dichloroethene	2.036	96	5510	1.103	ppbv	88
19) Isopropyl Alcohol	1.887	45	9796	1.141	ppbv #	85
20) Methylene Chloride	2.062	84	6261	1.149	ppbv	96
21) Allyl Chloride	2.094	41	10737	1.055	ppbv #	82
22) trans-1,2-Dichloroethene	2.340	96	7119	1.193	ppbv	92
23) Vinyl Acetate	2.463	43	19477	0.964	ppbv	99
24) 1,1-Dichloroethane	2.405	63	12656	1.097	ppbv #	94
25) Ethyl Acetate	2.832	43	37093	1.085	ppbv	98
26) Hexane	2.826	57	17152	1.089	ppbv	98
27) Carbon Disulfide	2.149	76	15760	1.092	ppbv #	60
28) Methyl tert-Butyl Ether	2.441	73	7847	1.095	ppbv #	87
29) Chloroform	2.845	83	24527	1.074	ppbv	90
30) Cyclohexane	3.855	84	14819	1.078	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	16311	1.084	ppbv	93
32) 1,1,1-Trichloroethane	3.366	97	24948	1.049	ppbv	98
34) 2-Butanone	2.557	43	23811	1.047	ppbv	100
35) Carbon Tetrachloride	3.761	117	24969	1.033	ppbv	93
36) Benzene	3.651	78	32940	1.040	ppbv	99
37) 1,2-Dichloroethane	3.217	62	19213	1.053	ppbv	100
38) Trichloroethene	4.544	130	13512	1.023	ppbv	96
39) 1,2-Dichloropropane	4.311	63	12435	1.073	ppbv	92
40) 1,4-Dioxane	4.593	88	3225	0.622	ppbv #	21
41) Tetrahydrofuran	3.056	42	13251	1.044	ppbv	99
42) Bromodichloromethane	4.486	83	26069	1.032	ppbv #	94
43) Methyl Methacrylate	4.878	69	17195	1.064	ppbv	97
44) 2,2,4-Trimethylpentane	4.638	57	57382	1.084	ppbv	96
45) t-1,3-Dichloropropene	6.415	75	7304	0.452	ppbv	97

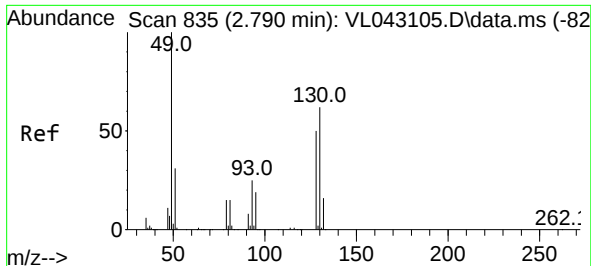
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043107.D
 Acq On : 14 Oct 2025 12:01
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Instrument :
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 VSTDICC001

Quant Time: Oct 15 01:52:45 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	5.596	75	19830	1.029	ppbv	94
47) 1,1,2-Trichloroethane	6.577	97	12876	1.030	ppbv	98
48) Dibromochloromethane	7.383	129	21874	1.046	ppbv	97
49) Bromoform	9.480	173	17320	1.019	ppbv	96
50) 4-Methyl-2-Pentanone	5.745	43	11642	0.371	ppbv #	38
51) 2-Hexanone	7.441	43	23817	1.018	ppbv #	95
52) Tetrachloroethene	8.224	164	12319	1.079	ppbv	91
53) Toluene	6.930	91	39079	1.040	ppbv	98
54) 1,2-Dibromoethane	7.652	107	19711	0.999	ppbv	88
56) 1,1,1,2-Tetrachloroethane	8.920	131	20279	1.053	ppbv	96
57) Chlorobenzene	8.920	112	30824	1.079	ppbv	97
58) Ethyl Benzene	9.351	91	55420	1.049	ppbv	96
59) m/p-Xylene	9.532	91	45483	1.087	ppbv #	29
60) o-Xylene	9.963	91	44925	1.088	ppbv	100
61) Styrene	9.869	104	19809	1.063	ppbv	98
62) Isopropylbenzene	10.535	105	81579	1.093	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	28230	1.021	ppbv	100
64) n-propylbenzene	10.985	120	21685	1.098	ppbv	98
65) tert-Butylbenzene	11.529	119	72781	1.105	ppbv	99
66) Benzyl Chloride	11.613	91	7918	1.076	ppbv	97
67) sec-Butylbenzene	11.765	105	103152	1.103	ppbv	100
69) p-Isopropyltoluene	11.924	119	88443	1.113	ppbv	99
70) n-Butylbenzene	12.280	91	86120	1.100	ppbv	98
71) 2-Chlorotoluene	10.898	91	60994	1.072	ppbv	99
72) 4-Ethyltoluene	11.121	105	53788	1.059	ppbv	98
73) 1,3,5-Trimethylbenzene	11.202	105	44786	1.070	ppbv	98
74) 1,2,4-Trimethylbenzene	11.532	105	52118	1.112	ppbv	95
75) 1,3-Dichlorobenzene	11.604	146	29186	1.074	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	29225	1.066	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	29146	1.109	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	23330	1.146	ppbv	99
79) Naphthalene	13.510	128	53930	1.114	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	10851	0.849	ppbv	94
81) 1,2,4-Trichlorobenzene	13.439	180	22161	1.090	ppbv	98

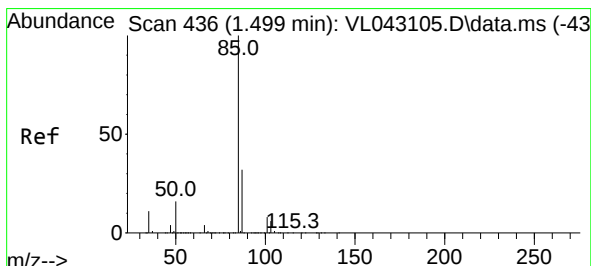
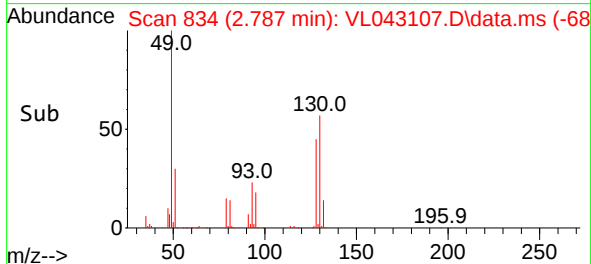
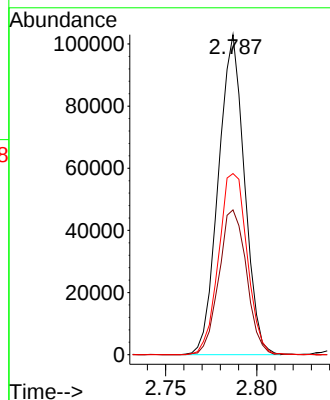
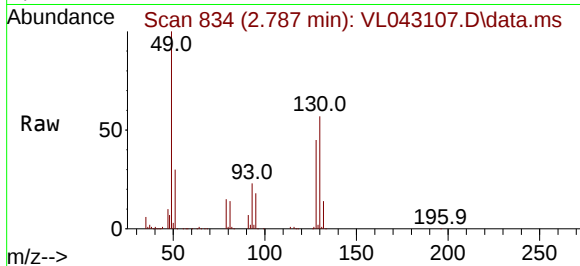
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

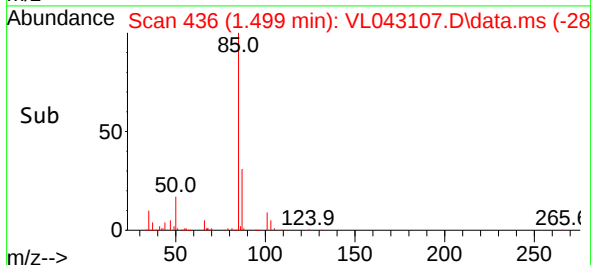
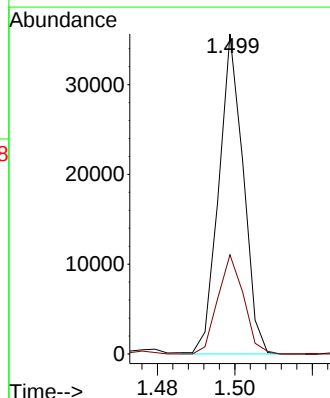
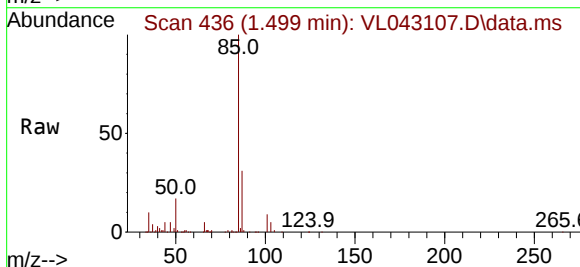
Instrument :
MSVOA_L
ClientSampleId :
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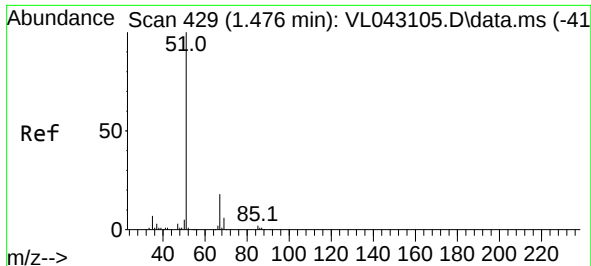
Tgt Ion: 49 Resp: 102307
Ion Ratio Lower Upper
49 100
128 48.0 24.4 73.4
130 62.0 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 1.074 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 85 Resp: 15620
Ion Ratio Lower Upper
85 100
87 31.0 25.3 37.9

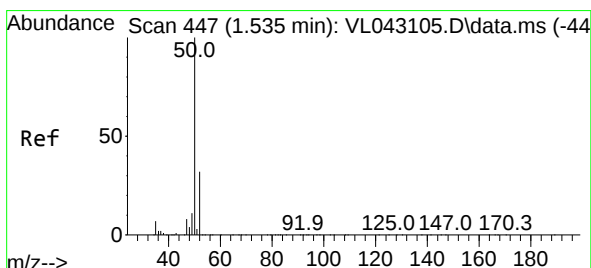
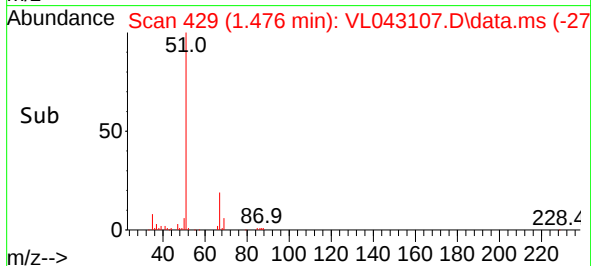
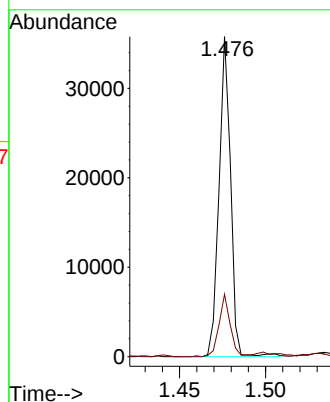
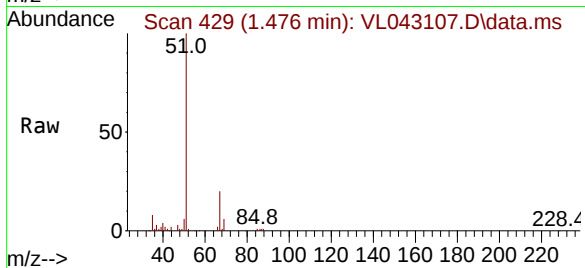




#3
Chlorodifluoromethane
Concen: 1.061 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

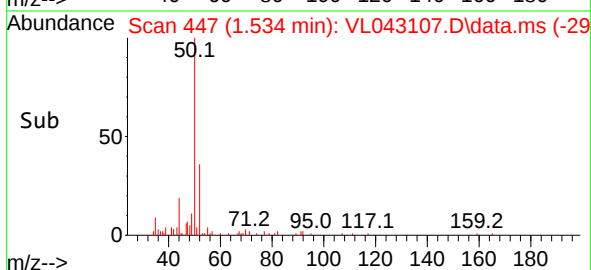
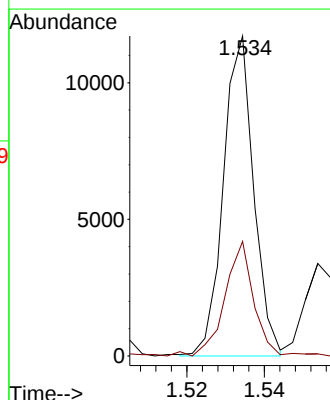
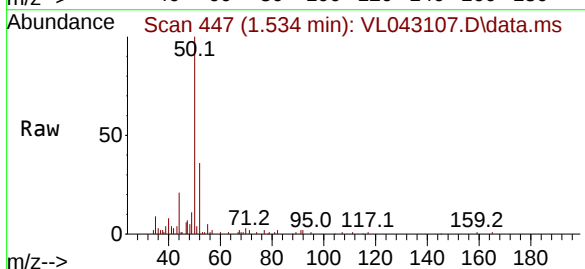
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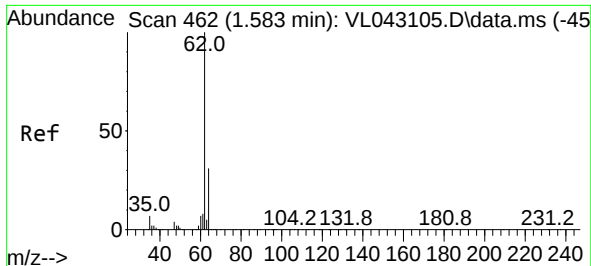
Tgt Ion: 51 Resp: 16692
Ion Ratio Lower Upper
51 100
67 22.8 15.1 22.7#



#4
Chloromethane
Concen: 1.103 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 50 Resp: 6353
Ion Ratio Lower Upper
50 100
52 35.6 25.2 37.8

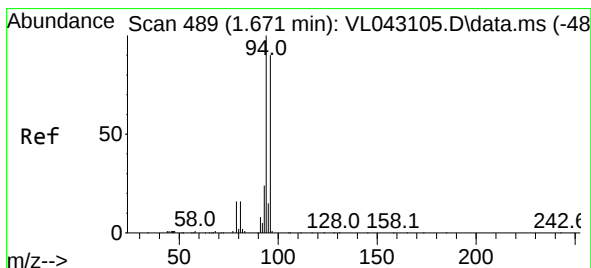
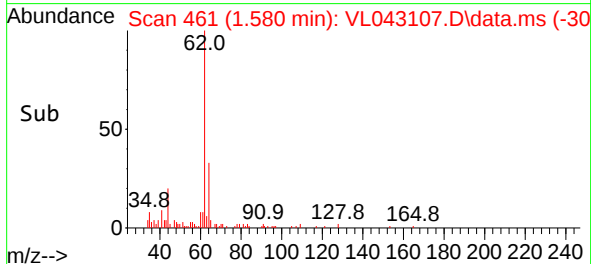
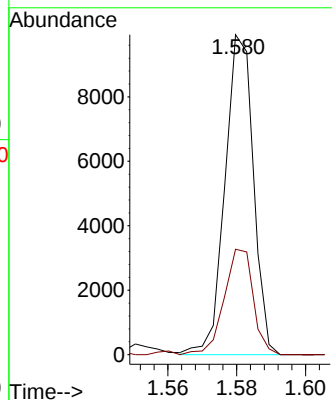
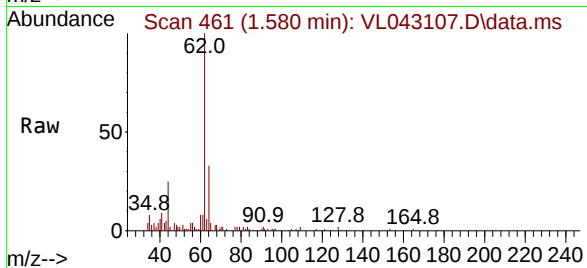




#5
 Vinyl Chloride
 Concen: 1.008 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.003 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

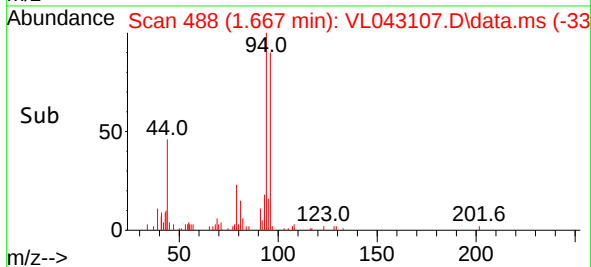
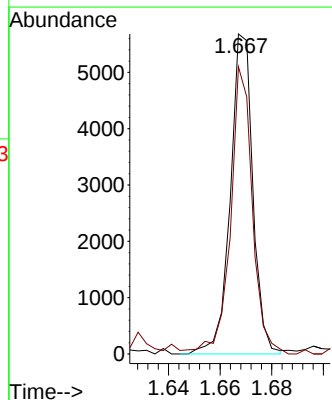
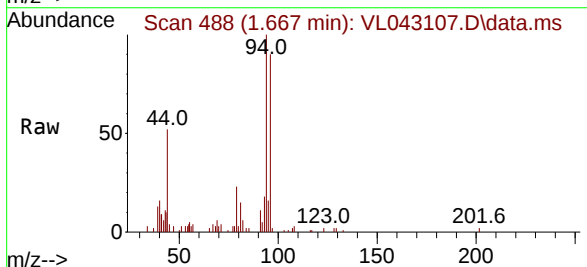
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

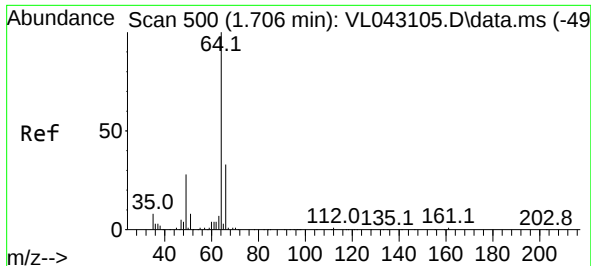
Tgt Ion: 62 Resp: 5694
 Ion Ratio Lower Upper
 62 100
 64 32.9 24.6 36.8



#6
 Bromomethane
 Concen: 1.117 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

Tgt Ion: 94 Resp: 3462
 Ion Ratio Lower Upper
 94 100
 96 88.6 72.2 108.4

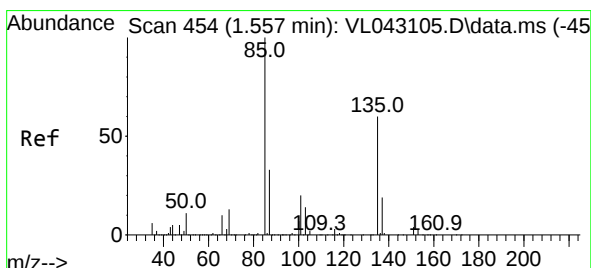
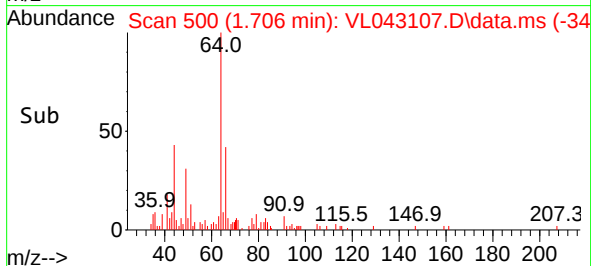
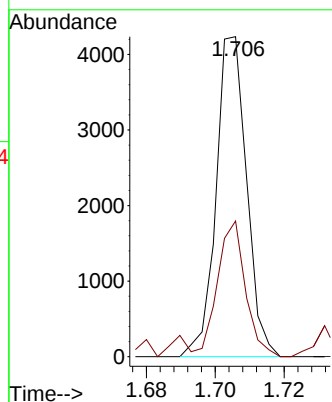
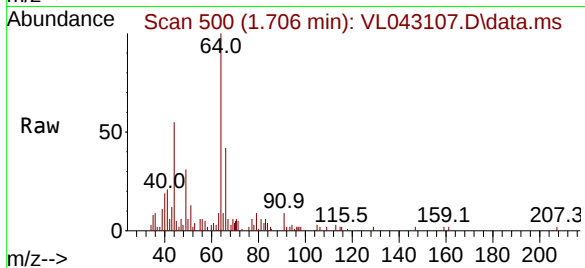




#7
Chloroethane
Concen: 1.132 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

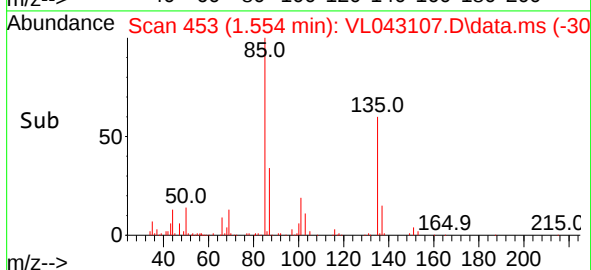
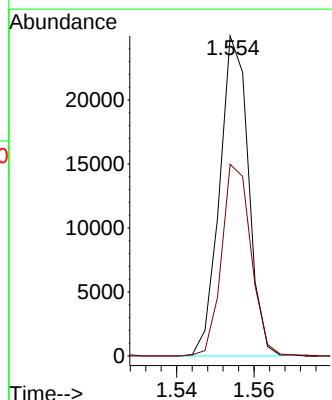
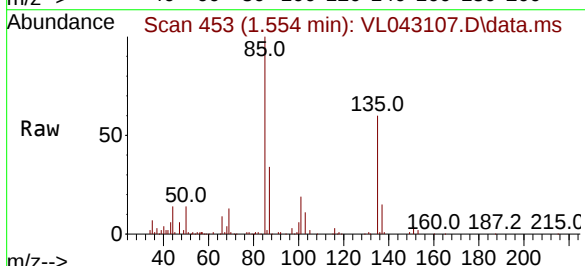
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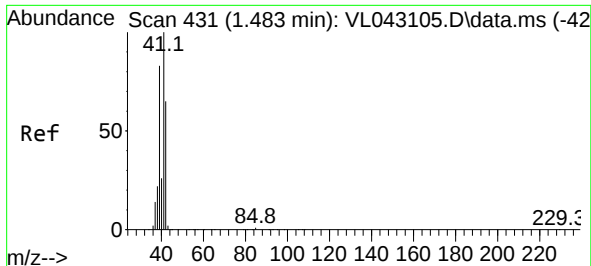
Tgt Ion: 64 Resp: 2615
Ion Ratio Lower Upper
64 100
66 42.4 26.0 39.0#



#8
Dichlorotetrafluoroethane
Concen: 1.101 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 85 Resp: 12940
Ion Ratio Lower Upper
85 100
135 61.5 48.2 72.4

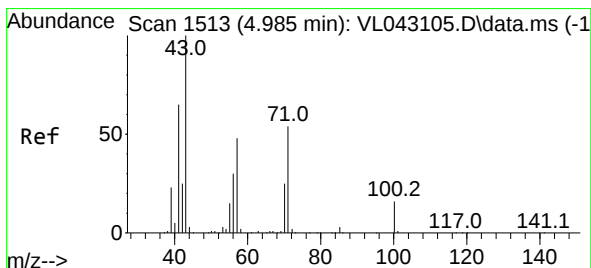
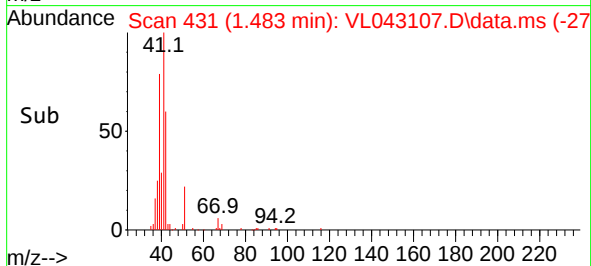
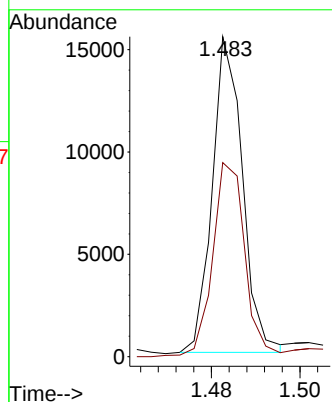
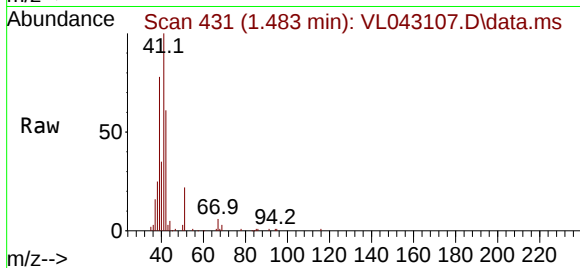




#9
Propene
Concen: 1.045 ppbv
RT: 1.483 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

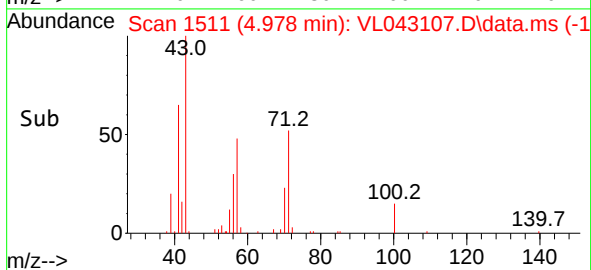
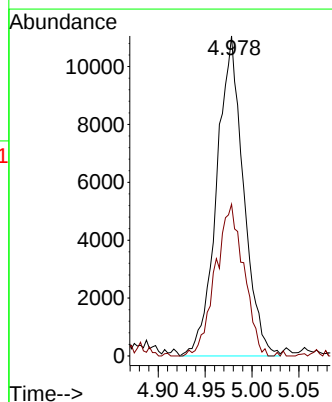
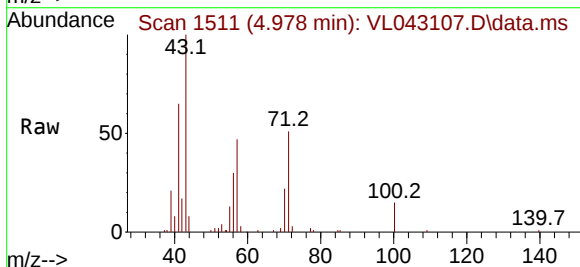
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

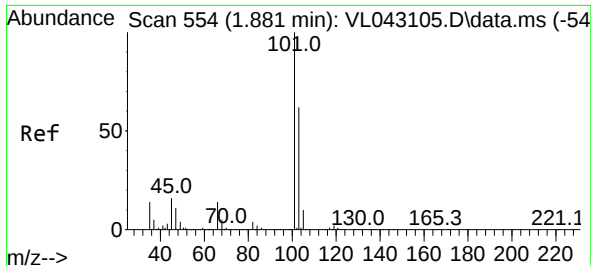
Tgt Ion: 41 Resp: 7291
Ion Ratio Lower Upper
41 100
42 68.5 55.1 82.7



#10
Heptane
Concen: 1.100 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 22011
Ion Ratio Lower Upper
43 100
57 50.4 40.8 61.2

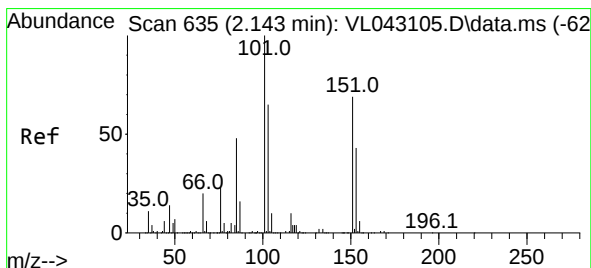
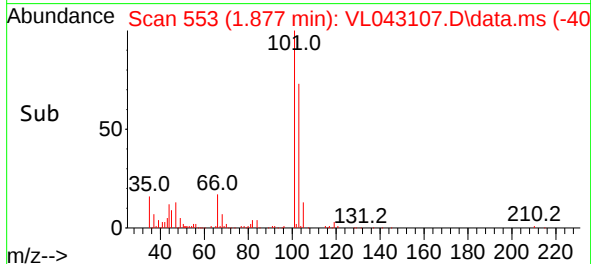
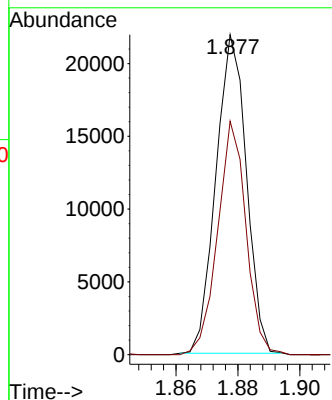
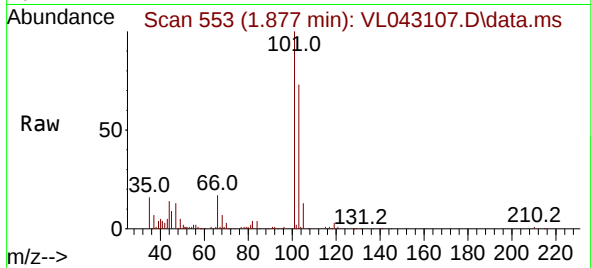




#11
 Trichlorofluoromethane
 Concen: 1.049 ppbv
 RT: 1.877 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

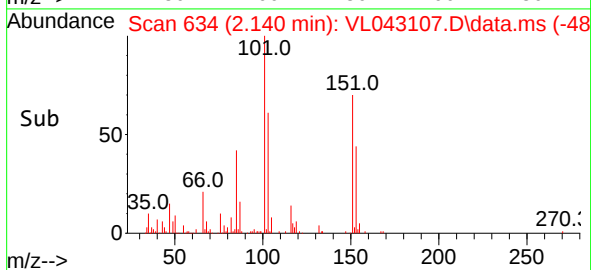
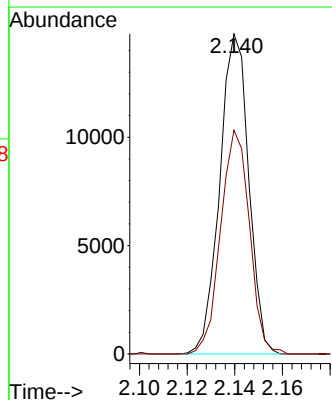
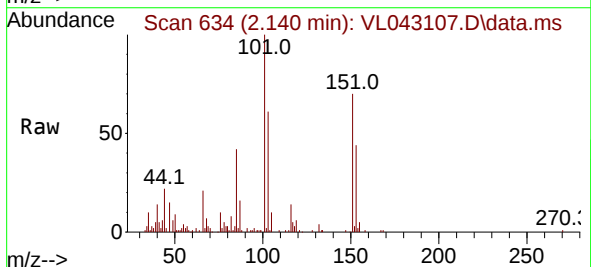
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

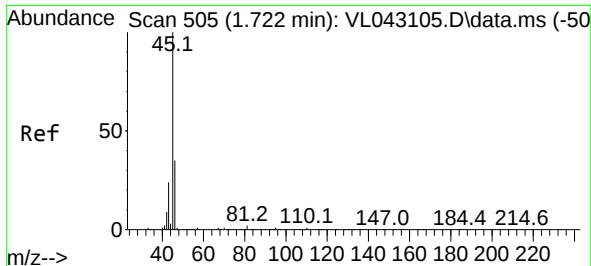
Tgt Ion:101 Resp: 14927
 Ion Ratio Lower Upper
 101 100
 103 73.3 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.090 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.003 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

Tgt Ion:101 Resp: 12484
 Ion Ratio Lower Upper
 101 100
 151 69.5 54.7 82.1

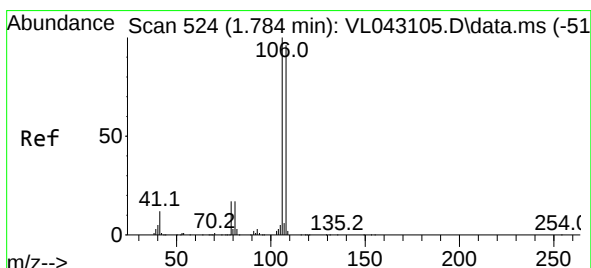
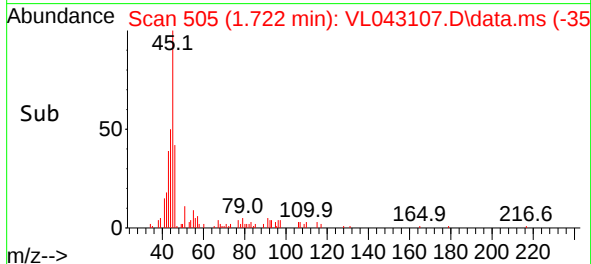
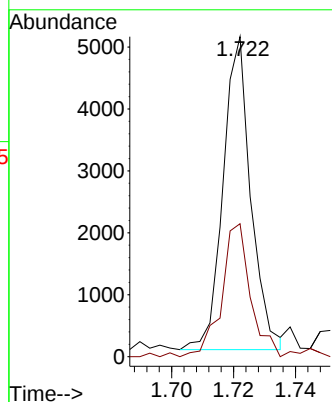
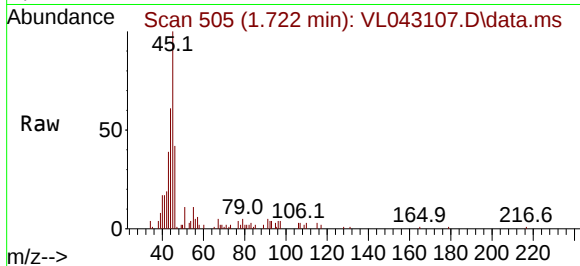




#13
Ethanol
Concen: 1.217 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

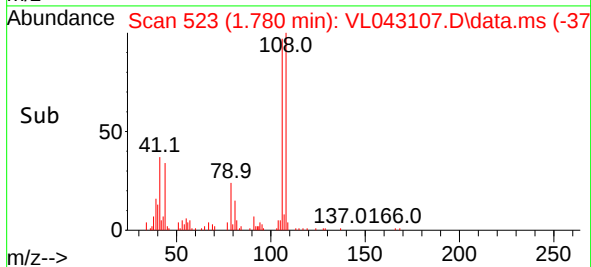
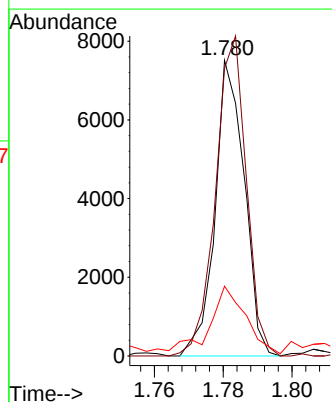
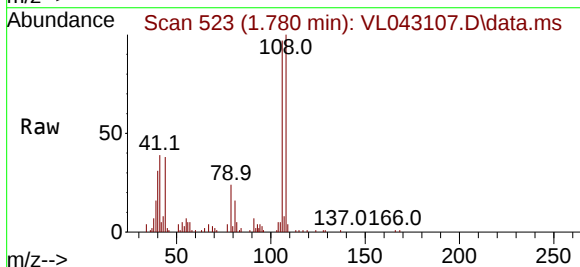
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

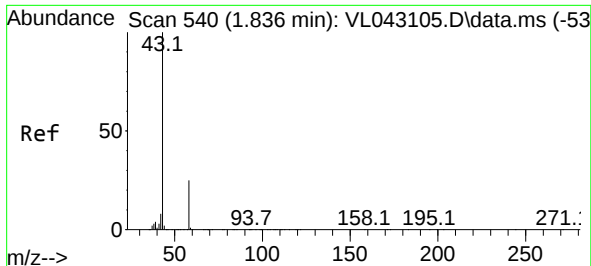
Tgt Ion: 45 Resp: 3143
Ion Ratio Lower Upper
45 100
46 46.7 14.7 58.9



#14
Bromoethene
Concen: 1.043 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 108 Resp: 4440
Ion Ratio Lower Upper
108 100
106 113.7 84.4 126.6
79 28.9 15.3 22.9

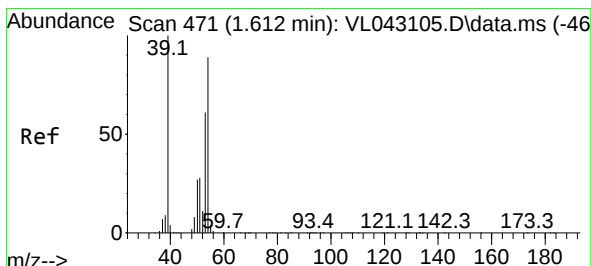
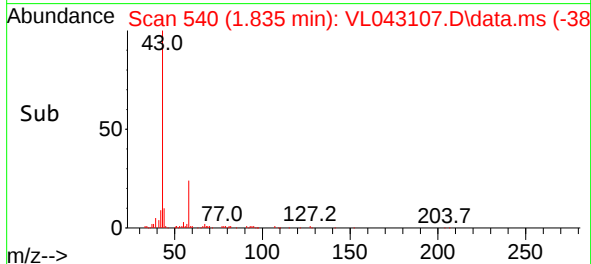
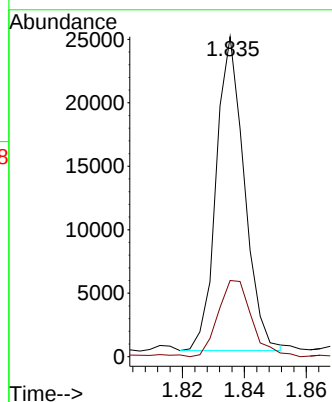
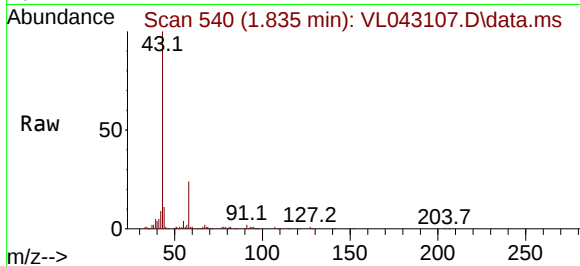




#15
Acetone
Concen: 1.123 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

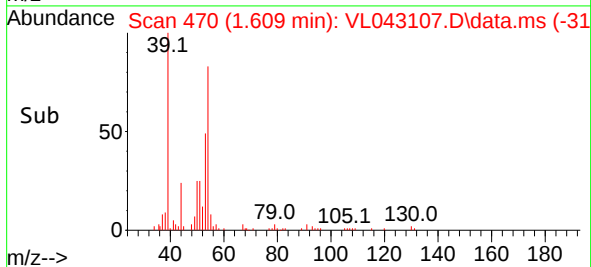
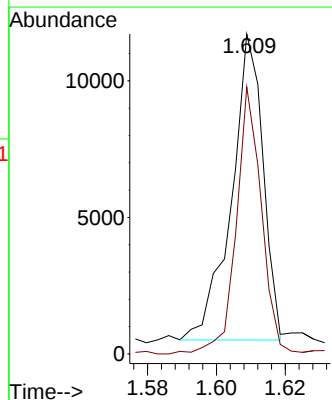
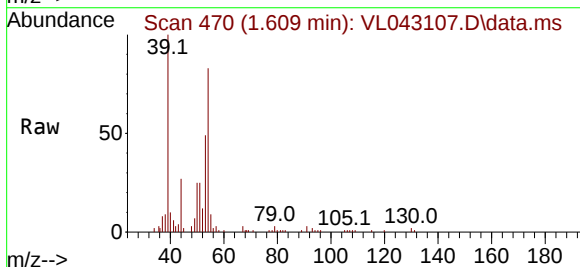
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

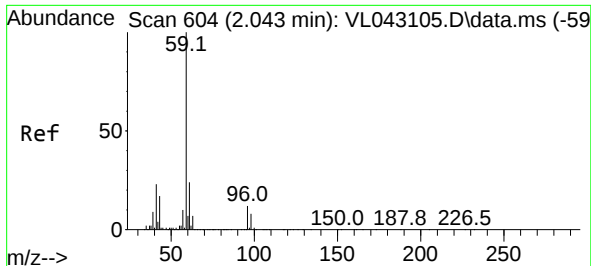
Tgt Ion: 43 Resp: 15572
Ion Ratio Lower Upper
43 100
58 31.0 20.8 31.2



#16
1,3-Butadiene
Concen: 1.089 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 39 Resp: 7157
Ion Ratio Lower Upper
39 100
54 70.8 59.0 88.4





#17

tert-Butyl alcohol

Concen: 1.106 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

Instrument :

MSVOA_1

ClientSampleId :

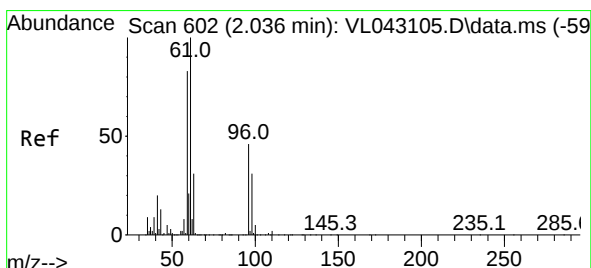
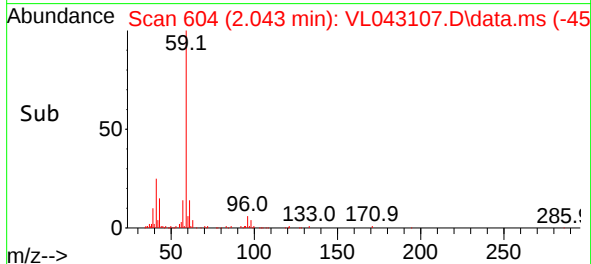
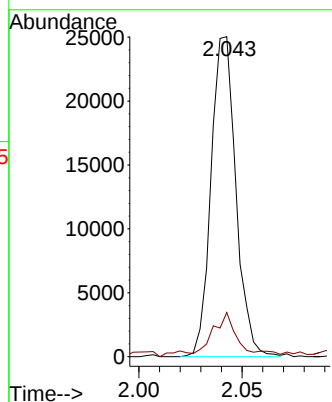
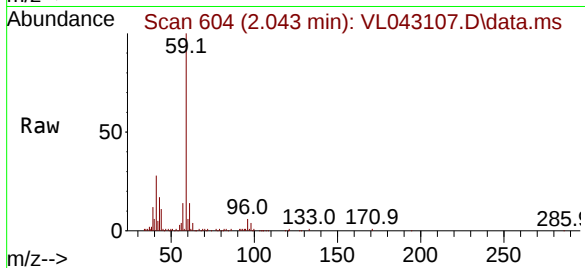
VSTDIC001

Tgt Ion: 59 Resp: 20941

Ion Ratio Lower Upper

59 100

57 14.0 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 1.103 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

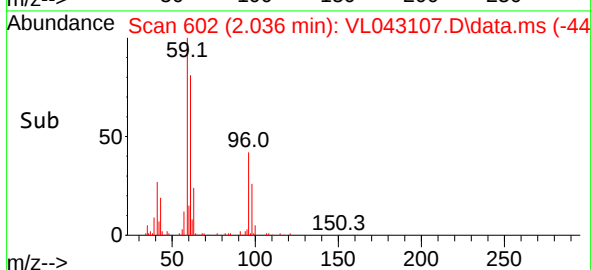
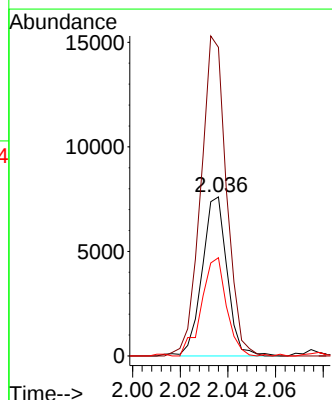
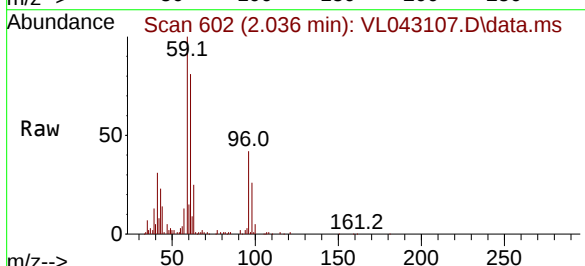
Tgt Ion: 96 Resp: 5510

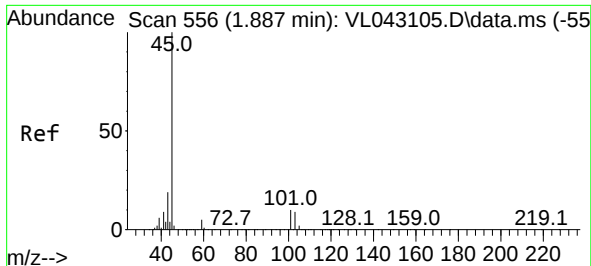
Ion Ratio Lower Upper

96 100

61 194.0 173.4 260.0

98 61.7 53.2 79.8

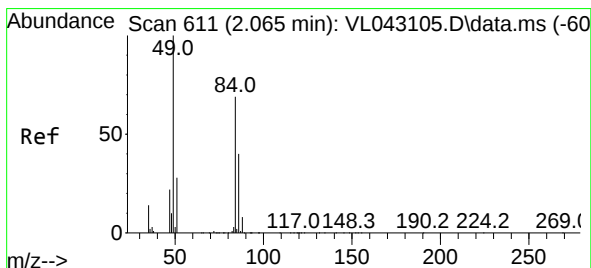
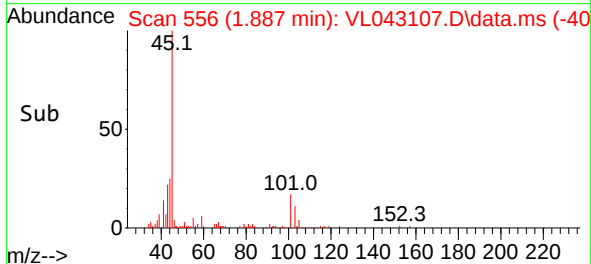
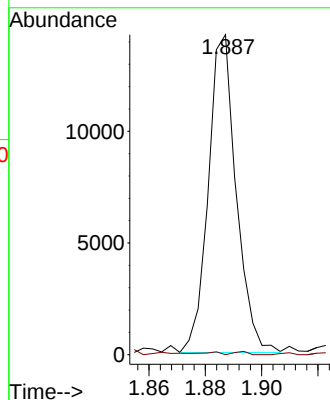
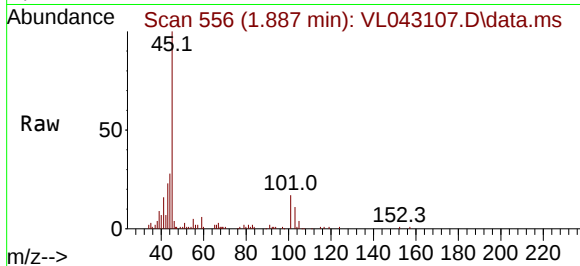




#19
Isopropyl Alcohol
Concen: 1.141 ppbv
RT: 1.887 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

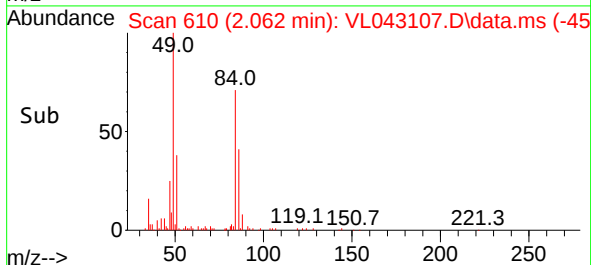
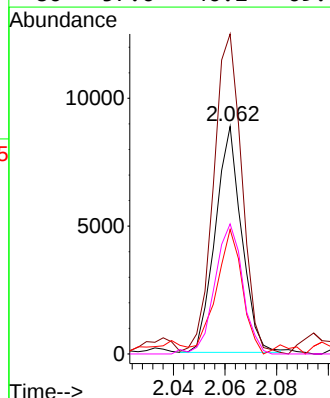
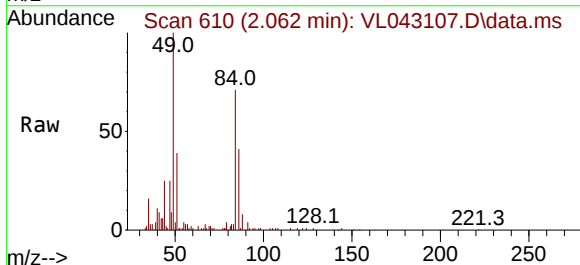
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

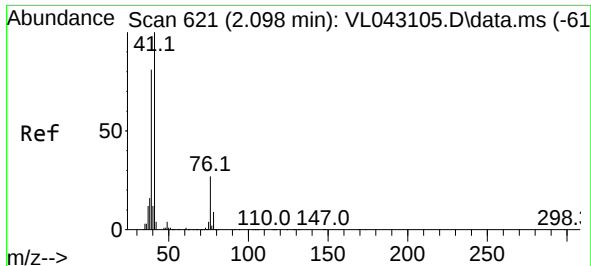
Tgt Ion: 45 Resp: 9796
Ion Ratio Lower Upper
45 100
58 48.1 31.3 46.9#



#20
Methylene Chloride
Concen: 1.149 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 84 Resp: 6261
Ion Ratio Lower Upper
84 100
49 140.9 116.6 175.0
51 51.2 34.8 52.2
86 57.6 46.2 69.4

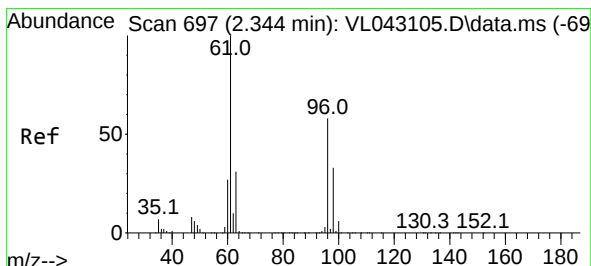
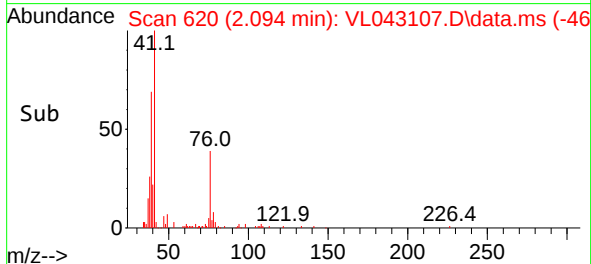
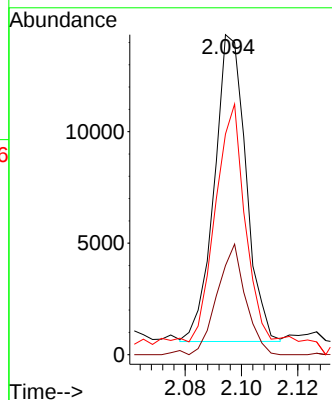
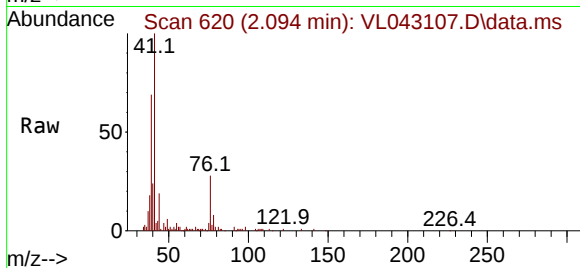




#21
 Allyl Chloride
 Concen: 1.055 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

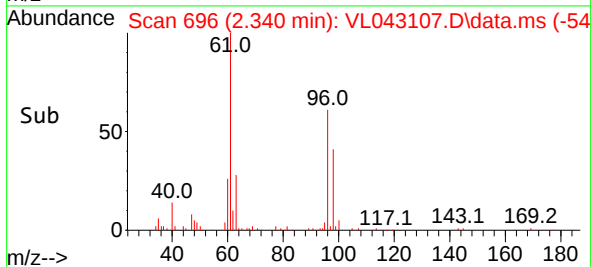
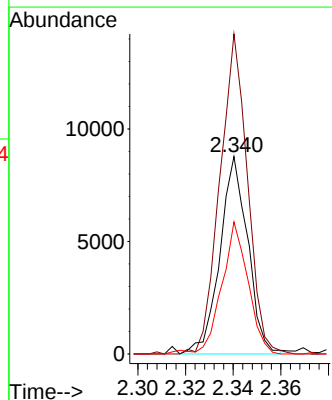
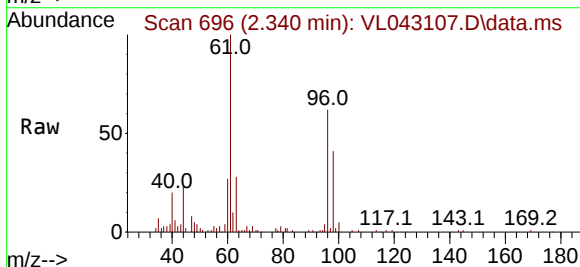
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

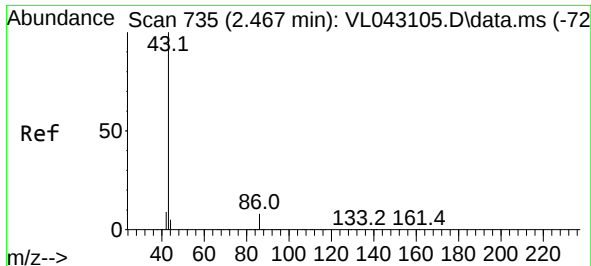
Tgt Ion: 41 Resp: 10737
 Ion Ratio Lower Upper
 41 100
 76 32.6 21.5 32.3#
 39 94.1 60.8 91.2#



#22
 trans-1,2-Dichloroethene
 Concen: 1.193 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

Tgt Ion: 96 Resp: 7119
 Ion Ratio Lower Upper
 96 100
 61 162.1 137.0 205.6
 98 66.9 45.5 68.3



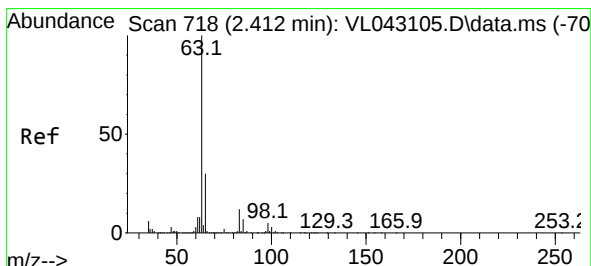
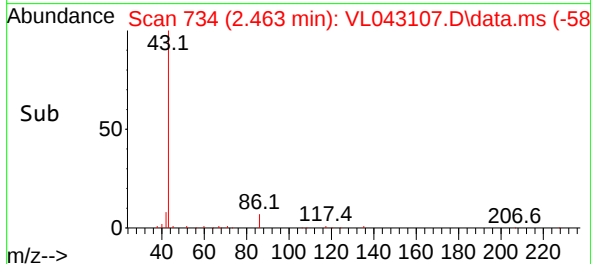
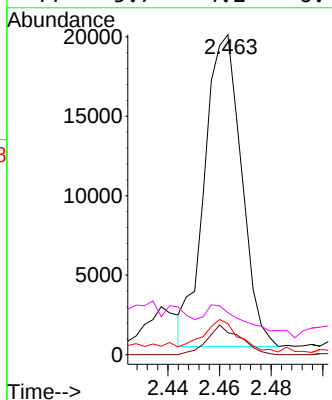
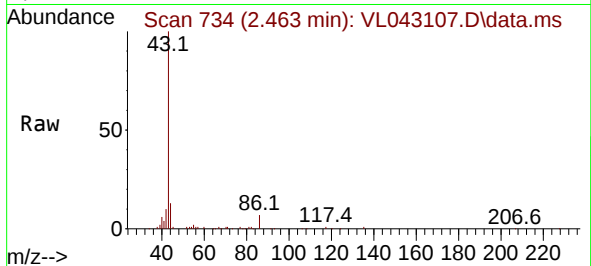


#23
 Vinyl Acetate
 Concen: 0.964 ppbv
 RT: 2.463 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

Tgt Ion: 43 Resp: 19477

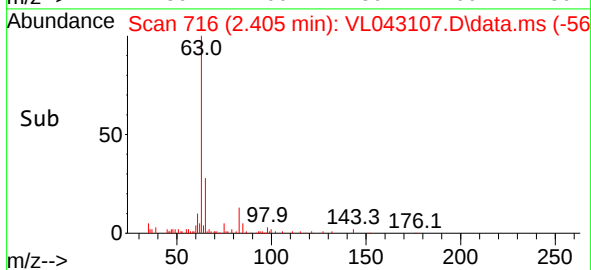
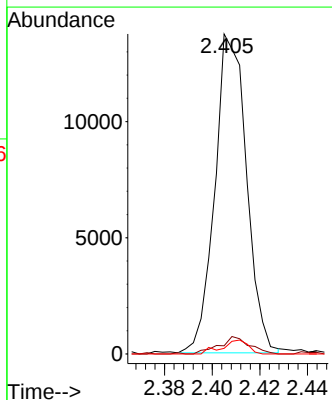
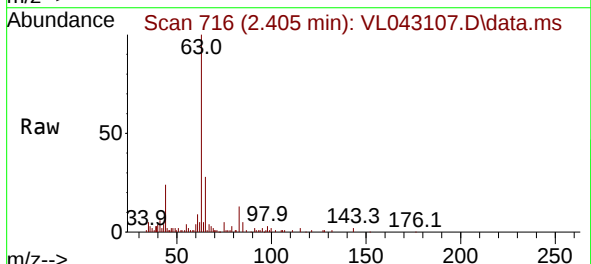
Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.2	9.2
42	9.1	7.6	11.4
44	5.7	4.2	6.4

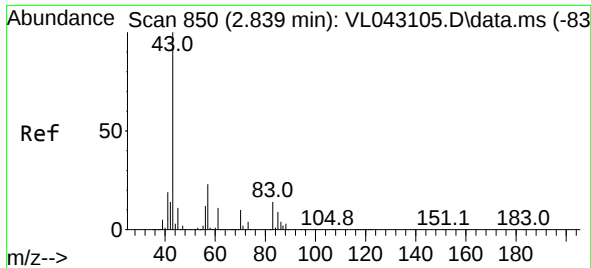


#24
 1,1-Dichloroethane
 Concen: 1.097 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.007 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

Tgt Ion: 63 Resp: 12656

Ion	Ratio	Lower	Upper
63	100		
98	2.6	2.6	7.8#
100	1.7	1.5	4.4



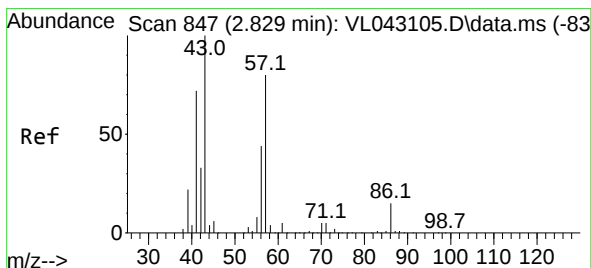
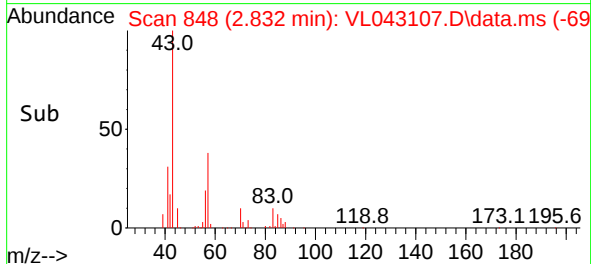
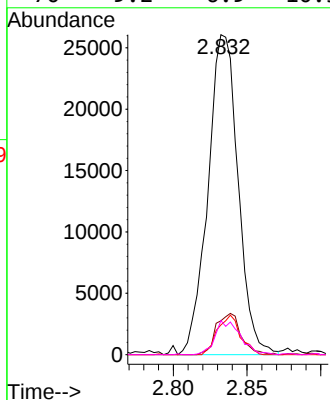
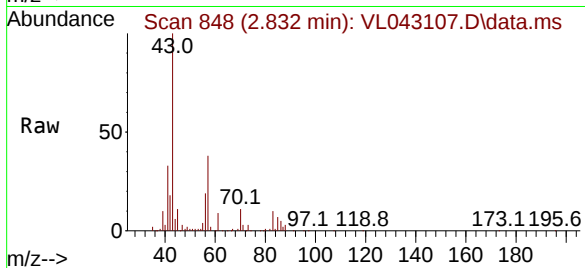


#25
Ethyl Acetate
Concen: 1.085 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 37093

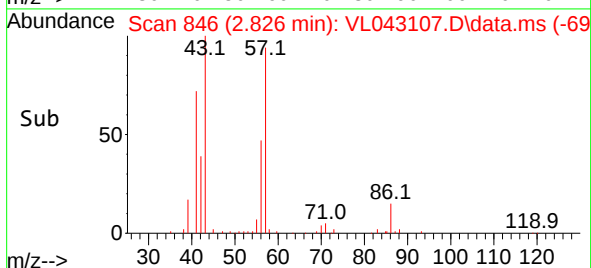
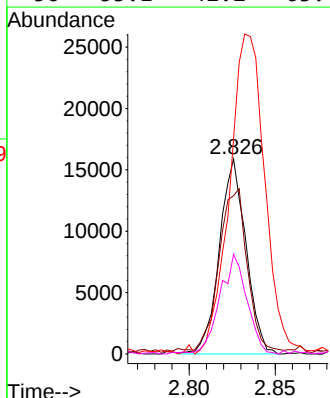
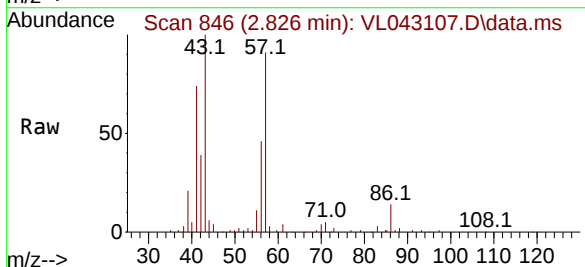
Ion	Ratio	Lower	Upper
43	100		
45	10.8	7.8	11.8
61	9.4	7.0	10.6
70	9.2	6.9	10.3

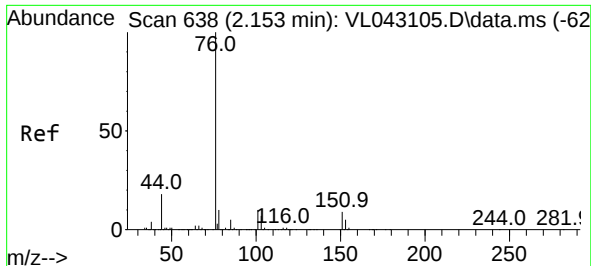


#26
Hexane
Concen: 1.089 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 57 Resp: 17152

Ion	Ratio	Lower	Upper
57	100		
41	91.8	71.4	107.0
43	219.3	178.5	267.7
56	53.1	42.2	63.4

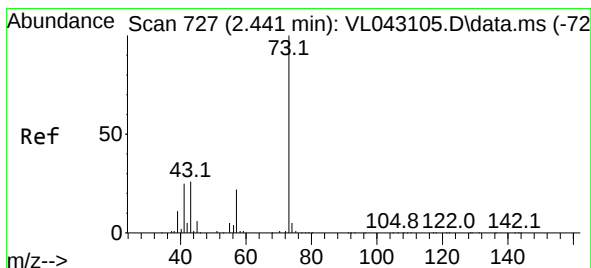
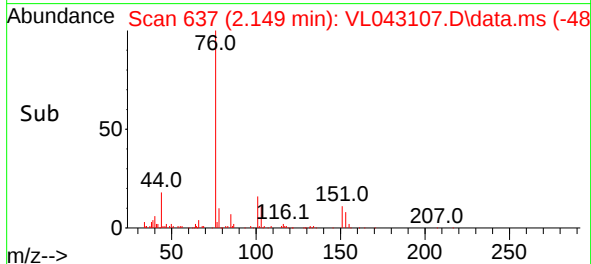
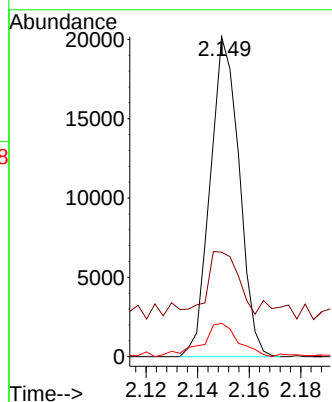
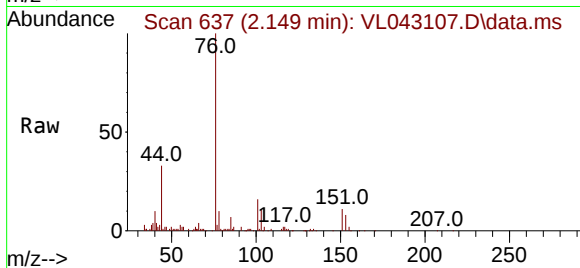




#27
Carbon Disulfide
Concen: 1.092 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

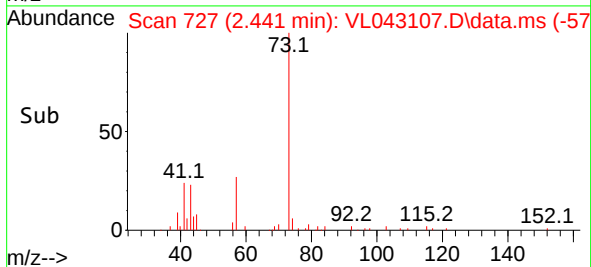
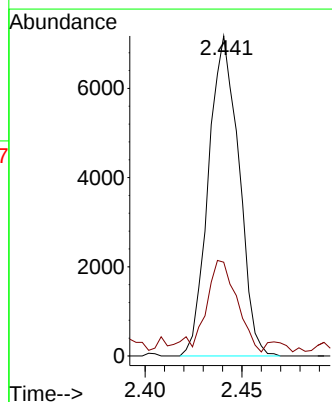
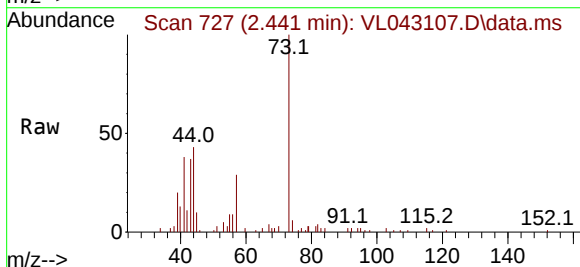
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

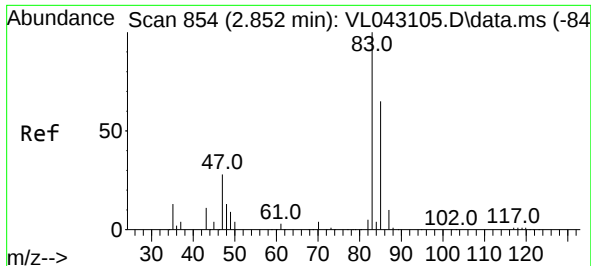
Tgt Ion: 76 Resp: 15760
Ion Ratio Lower Upper
76 100
44 47.9 16.7 25.1#
78 14.2 9.3 13.9#



#28
Methyl tert-Butyl Ether
Concen: 1.095 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 73 Resp: 7847
Ion Ratio Lower Upper
73 100
57 32.3 20.5 30.7#





#29

Chloroform

Concen: 1.074 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.007 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

Instrument :

MSVOA_L

ClientSampleId :

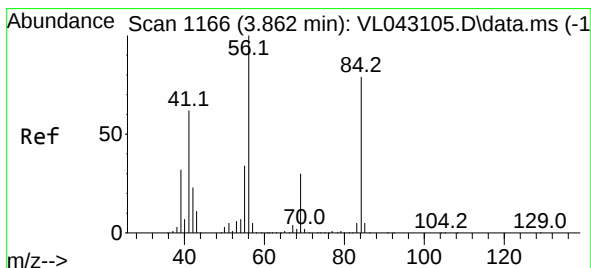
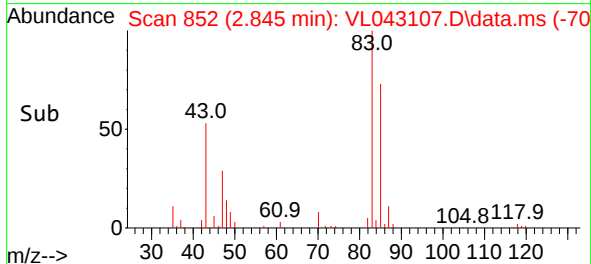
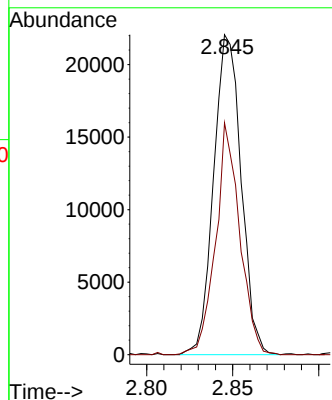
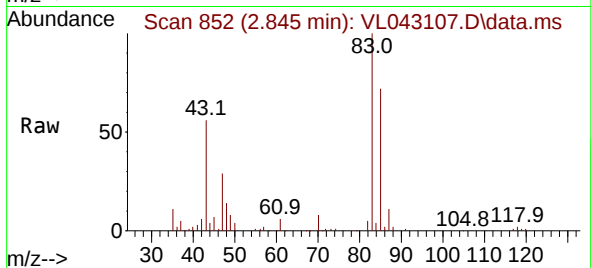
VSTDIC001

Tgt Ion: 83 Resp: 24527

Ion Ratio Lower Upper

83 100

85 72.4 51.8 77.6



#30

Cyclohexane

Concen: 1.078 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.007 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

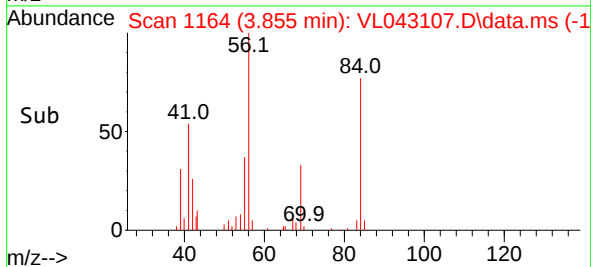
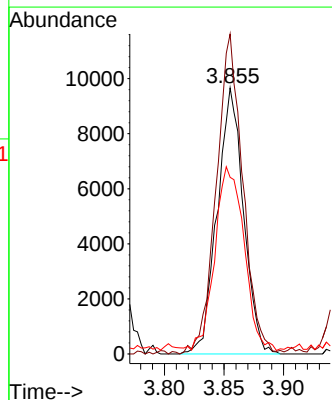
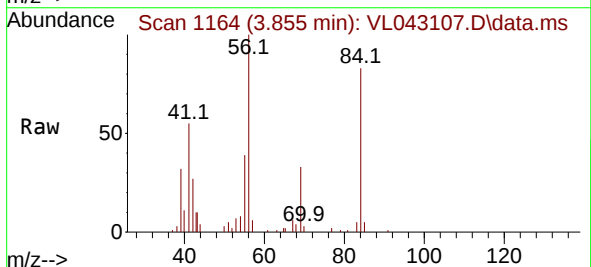
Tgt Ion: 84 Resp: 14819

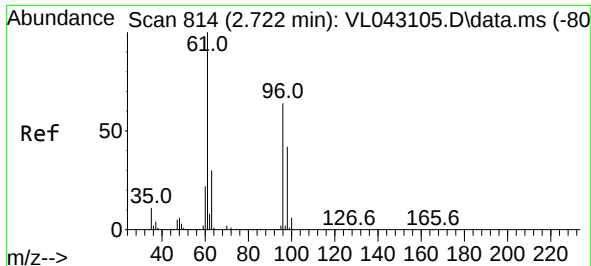
Ion Ratio Lower Upper

84 100

56 122.3 100.9 151.3

41 78.1 63.8 95.6

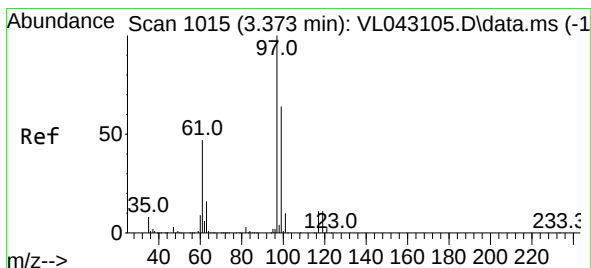
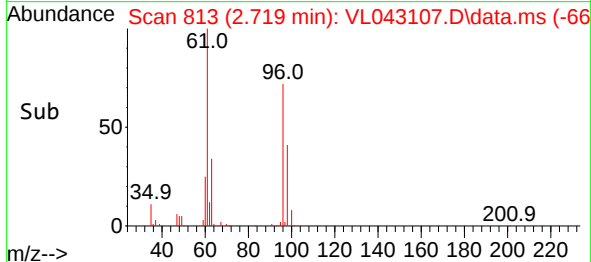
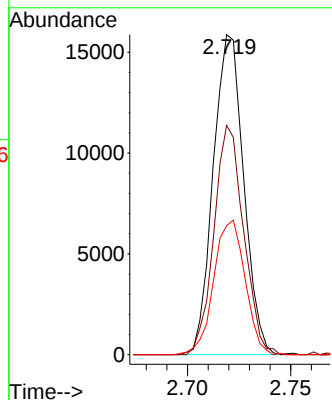
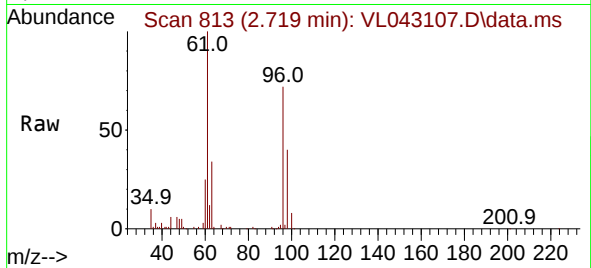




#31
 cis-1,2-Dichloroethene
 Concen: 1.084 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.003 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

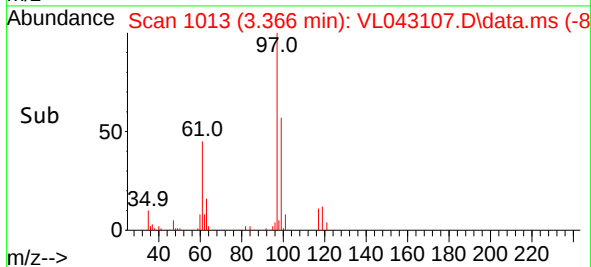
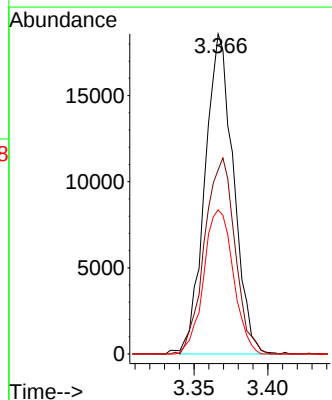
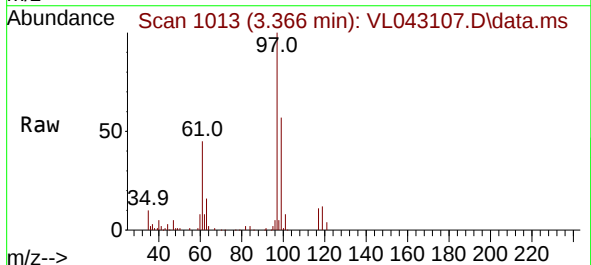
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

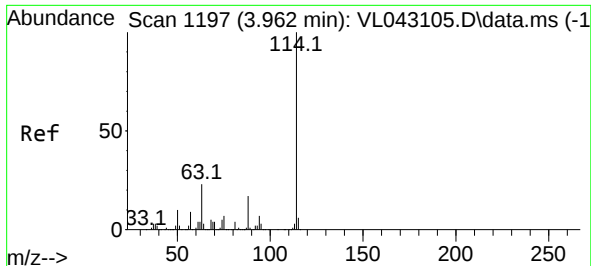
Tgt Ion: 61 Resp: 16311
 Ion Ratio Lower Upper
 61 100
 96 71.6 51.0 76.6
 98 39.9 33.5 50.3



#32
 1,1,1-Trichloroethane
 Concen: 1.049 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.007 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

Tgt Ion: 97 Resp: 24948
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.3 76.9
 61 46.8 38.4 57.6

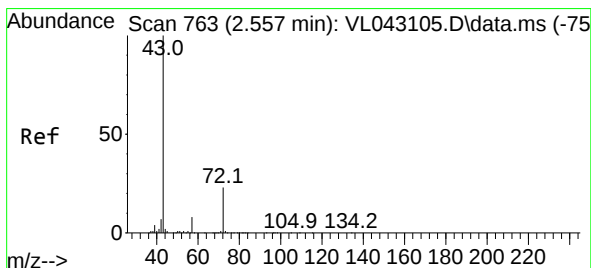
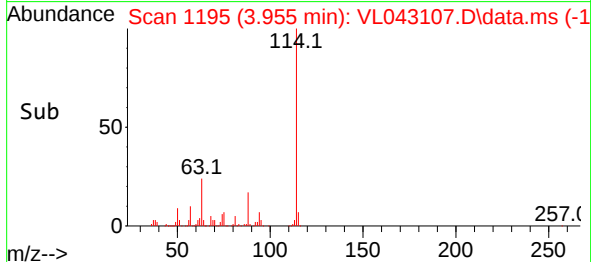
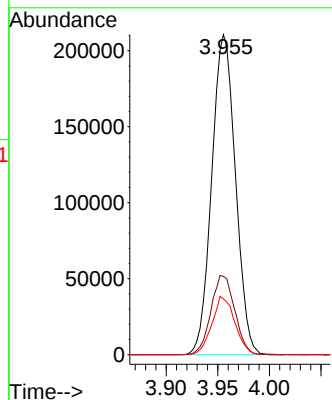
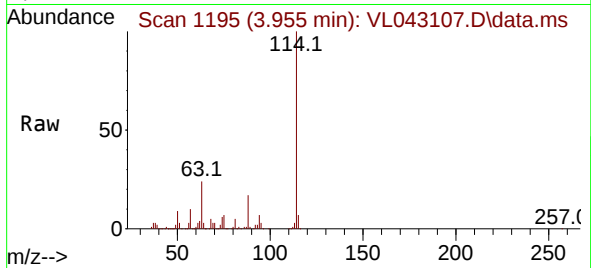




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

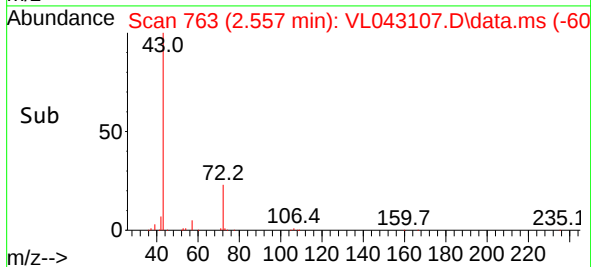
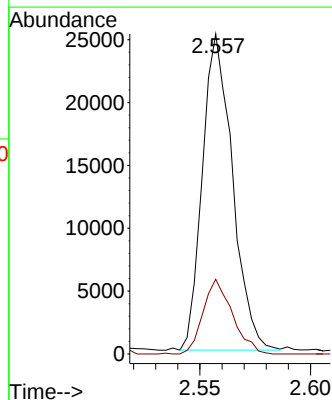
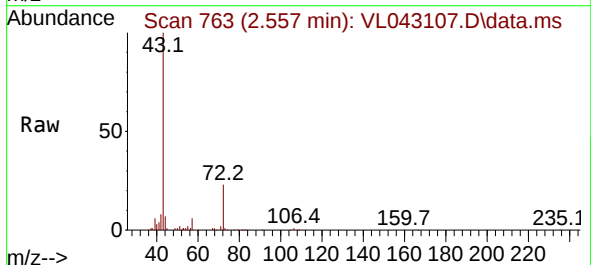
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

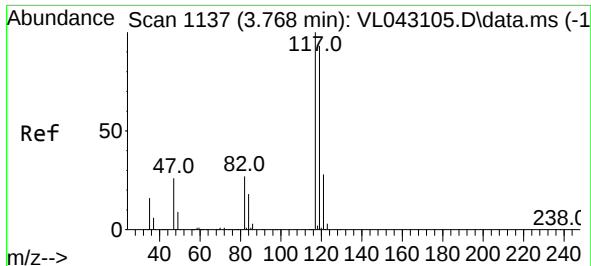
Tgt Ion:114 Resp: 336268
Ion Ratio Lower Upper
114 100
63 24.8 19.3 28.9
88 17.6 13.9 20.9



#34
2-Butanone
Concen: 1.047 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 23811
Ion Ratio Lower Upper
43 100
72 23.0 18.4 27.6

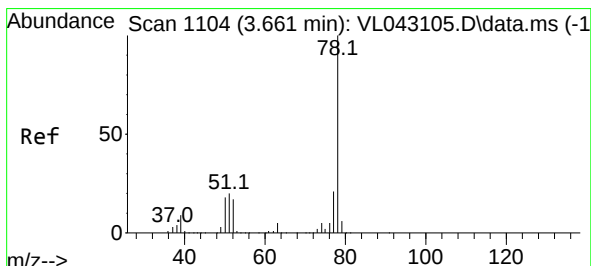
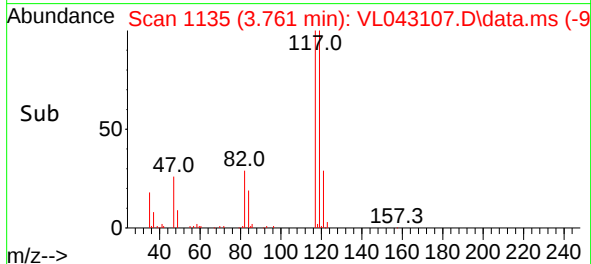
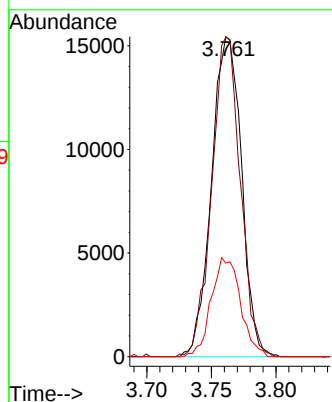
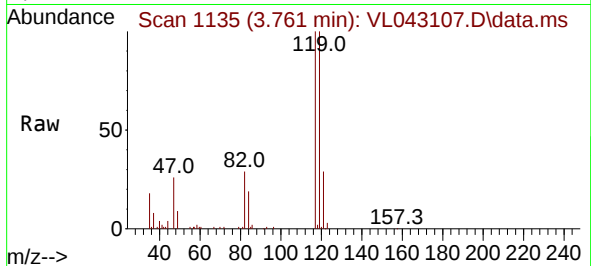




#35
Carbon Tetrachloride
Concen: 1.033 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

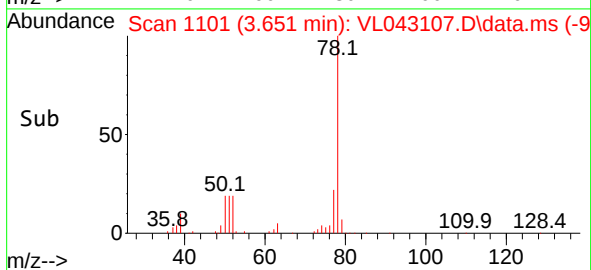
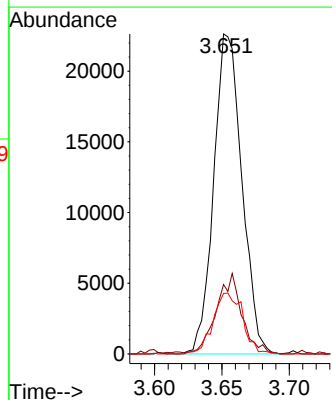
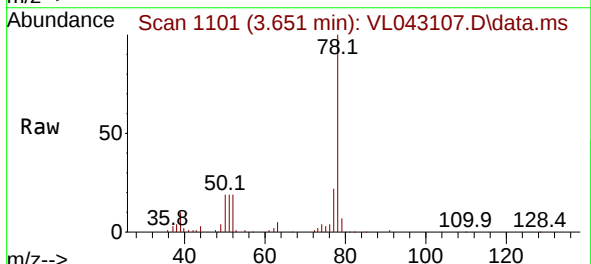
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

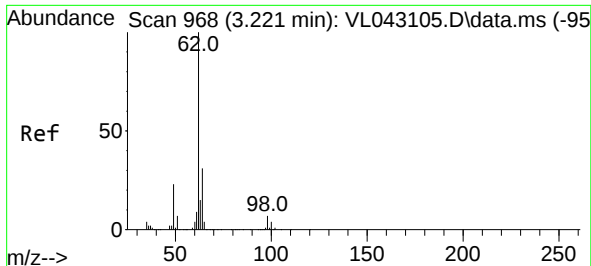
Tgt Ion:117 Resp: 24969
Ion Ratio Lower Upper
117 100
119 99.8 74.1 111.1
121 29.3 22.2 33.2



#36
Benzene
Concen: 1.040 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 78 Resp: 32940
Ion Ratio Lower Upper
78 100
77 21.7 17.0 25.6
50 18.9 14.6 22.0

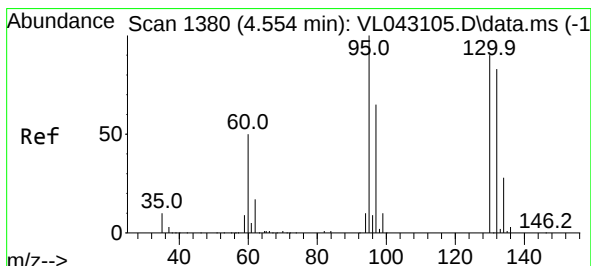
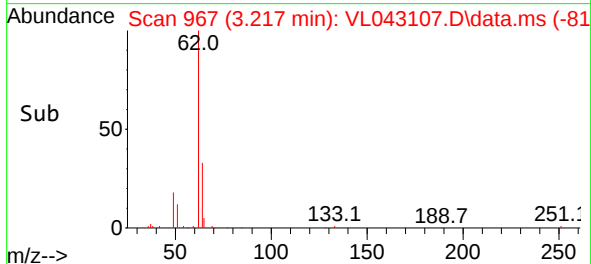
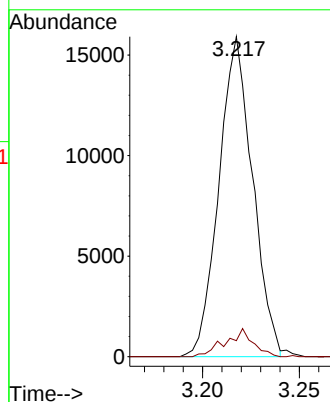
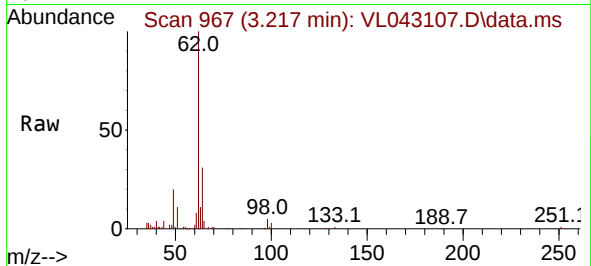




#37
1,2-Dichloroethane
Concen: 1.053 ppbv
RT: 3.217 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

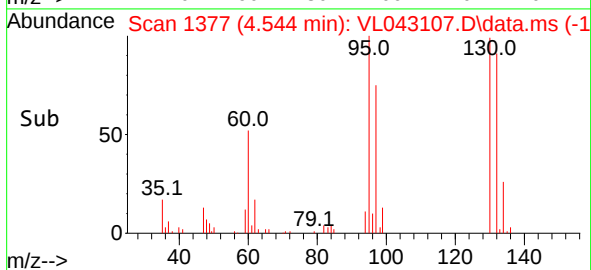
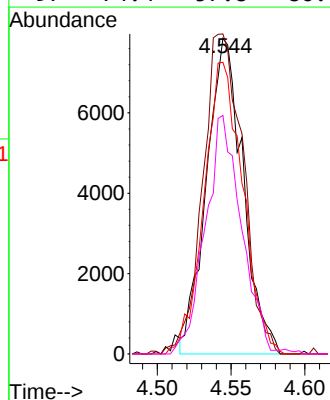
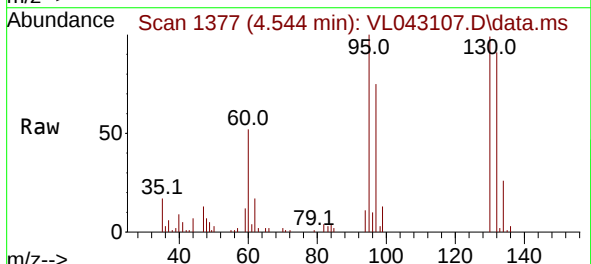
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

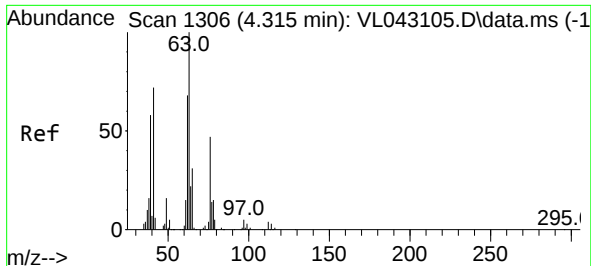
Tgt Ion: 62 Resp: 19213
Ion Ratio Lower Upper
62 100
98 7.2 5.8 8.6



#38
Trichloroethene
Concen: 1.023 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 130 Resp: 13512
Ion Ratio Lower Upper
130 100
95 101.4 88.6 133.0
132 91.5 73.4 110.0
97 74.4 57.8 86.6





#39

1,2-Dichloropropane

Concen: 1.073 ppbv

RT: 4.311 min Scan# 1306

Delta R.T. -0.003 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

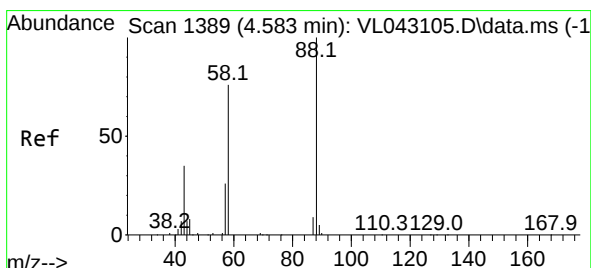
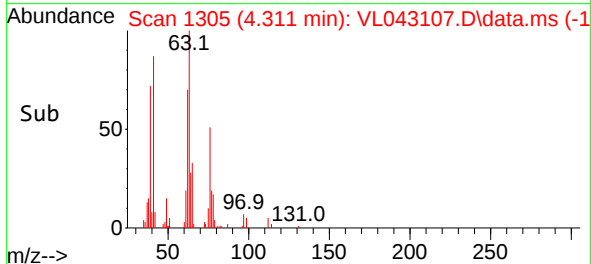
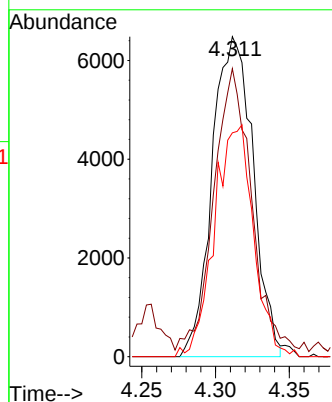
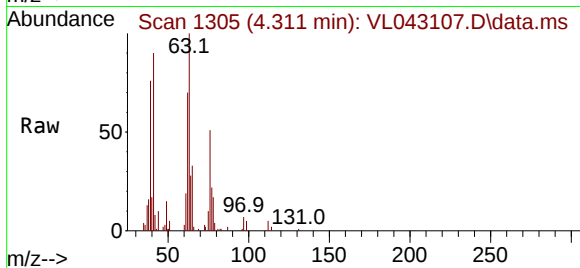
Tgt Ion: 63 Resp: 12435

Ion Ratio Lower Upper

63 100

41 84.3 58.0 87.0

62 67.2 54.7 82.1



#40

1,4-Dioxane

Concen: 0.622 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.009 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

Tgt Ion: 88 Resp: 3225

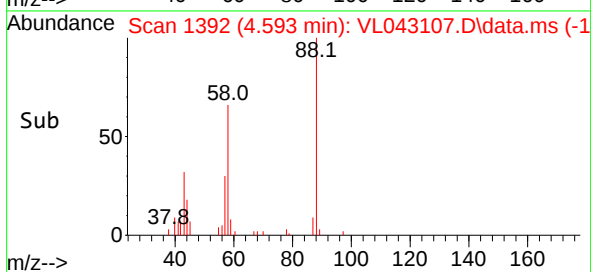
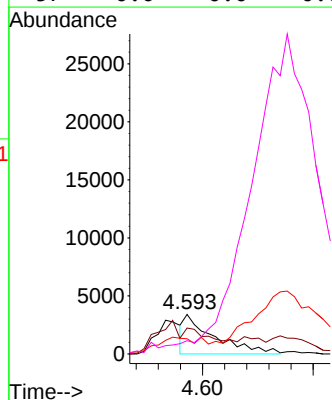
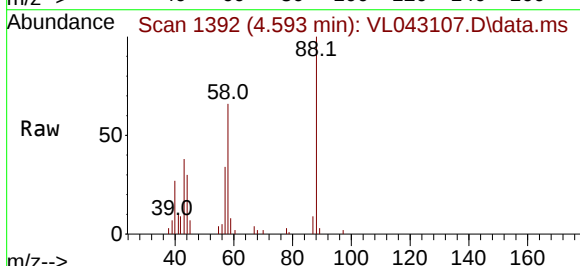
Ion Ratio Lower Upper

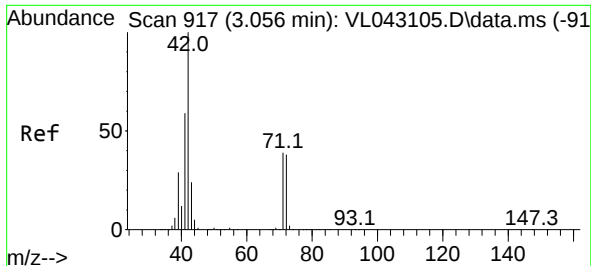
88 100

58 0.0 61.1 91.7#

43 0.0 24.0 36.0#

57 0.0 0.0 0.0

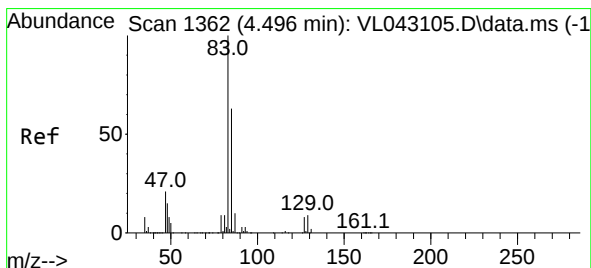
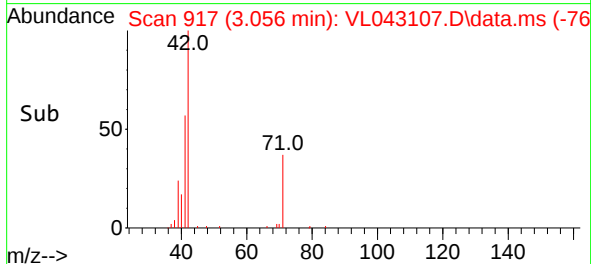
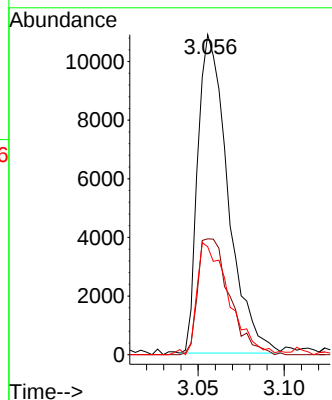
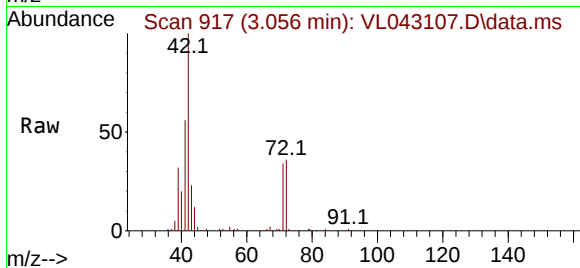




#41
Tetrahydrofuran
Concen: 1.044 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.000 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

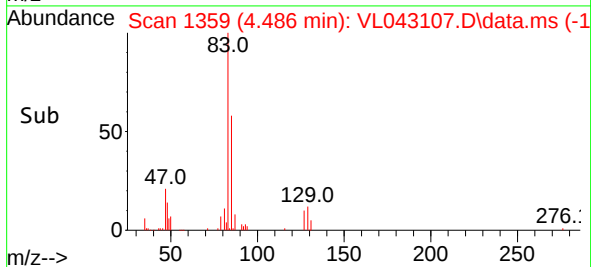
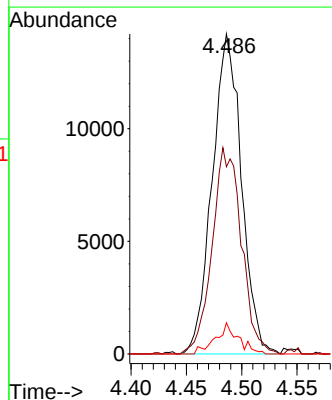
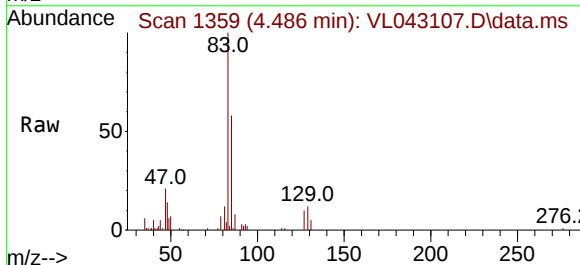
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

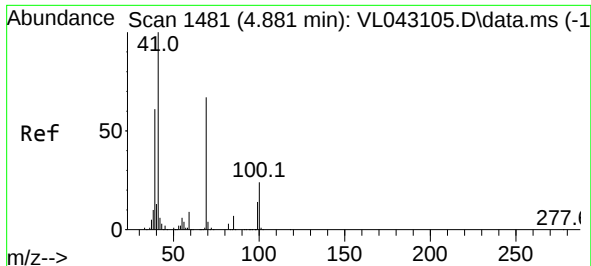
Tgt Ion:	42	Resp:	13251
Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.3	46.9
71	38.6	30.4	45.6



#42
Bromodichloromethane
Concen: 1.032 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:	83	Resp:	26069
Ion	Ratio	Lower	Upper
83	100		
85	58.5	50.6	75.8
127	9.8	6.3	9.5

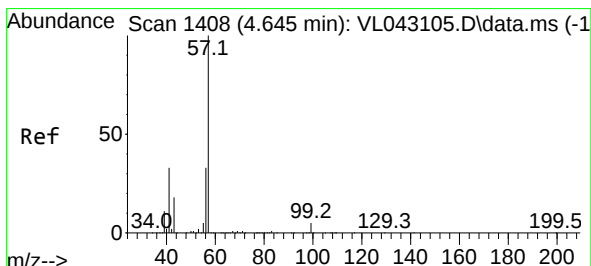
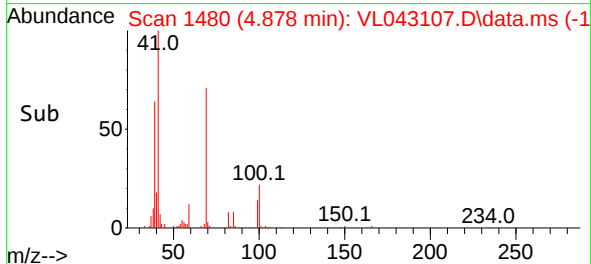
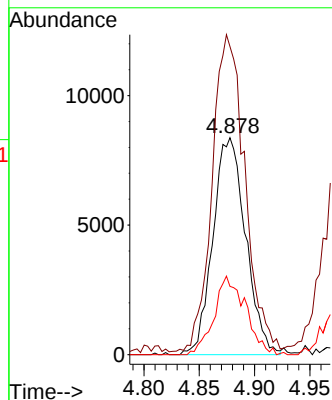
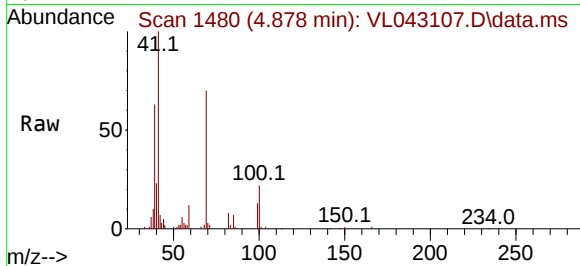




#43
Methyl Methacrylate
Concen: 1.064 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

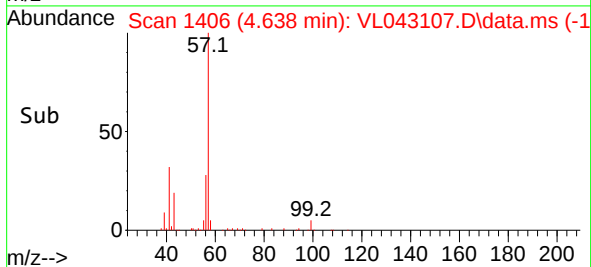
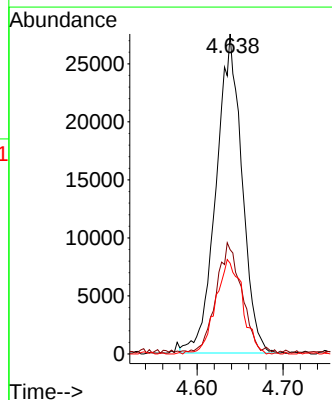
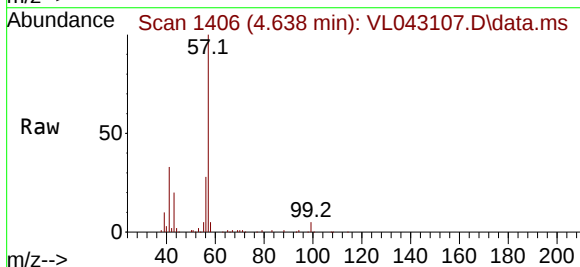
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

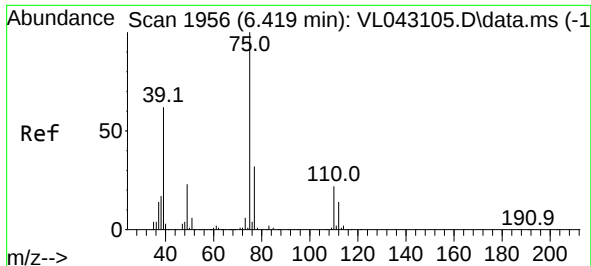
Tgt Ion: 69 Resp: 17195
Ion Ratio Lower Upper
69 100
41 145.9 120.5 180.7
100 35.0 29.0 43.4



#44
2,2,4-Trimethylpentane
Concen: 1.084 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 57 Resp: 57382
Ion Ratio Lower Upper
57 100
41 35.4 26.3 39.5
56 30.7 25.9 38.9

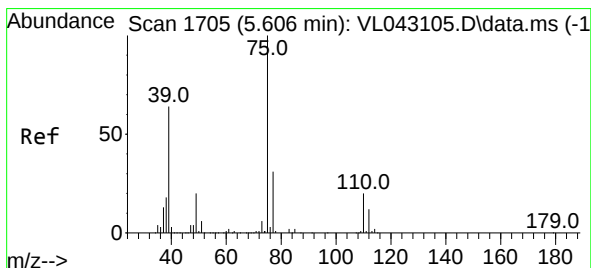
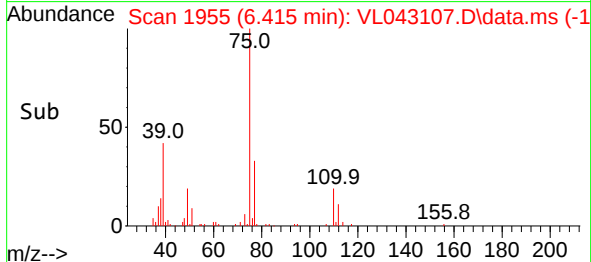
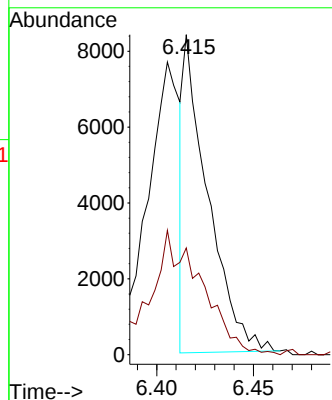
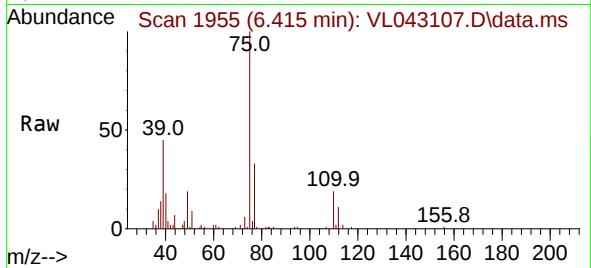




#45
t-1,3-Dichloropropene
Concen: 0.452 ppbv
RT: 6.415 min Scan# 1956
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

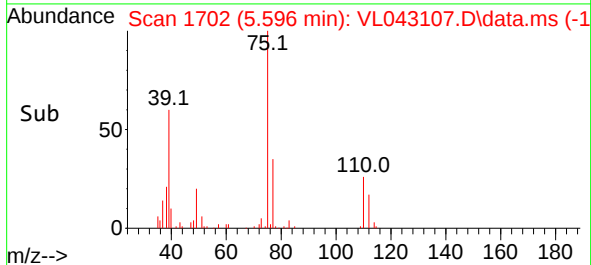
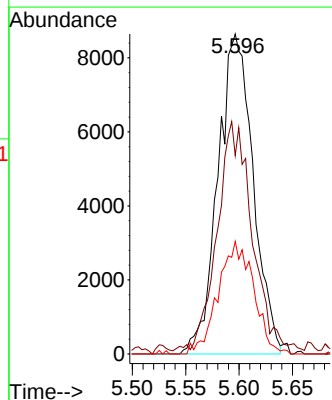
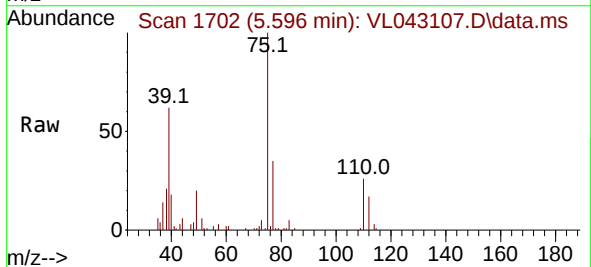
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

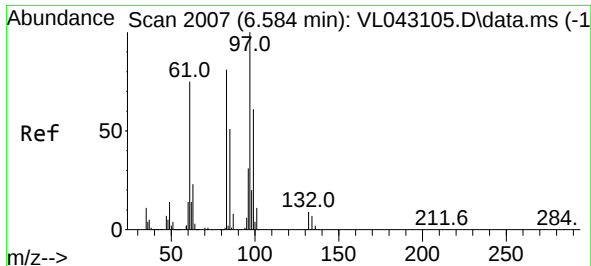
Tgt Ion: 75 Resp: 7304
Ion Ratio Lower Upper
75 100
77 33.4 25.4 38.2



#46
cis-1,3-Dichloropropene
Concen: 1.029 ppbv
RT: 5.596 min Scan# 1702
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 75 Resp: 19830
Ion Ratio Lower Upper
75 100
39 59.6 51.0 76.6
77 35.1 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 1.030 ppbv

RT: 6.577 min Scan# 2005

Delta R.T. -0.007 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 12876

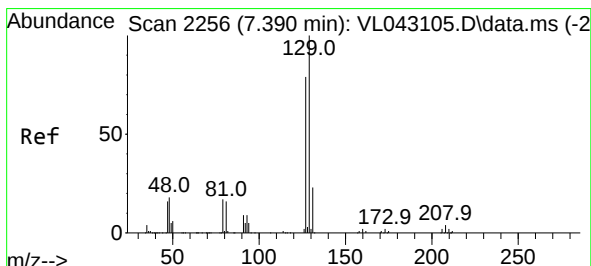
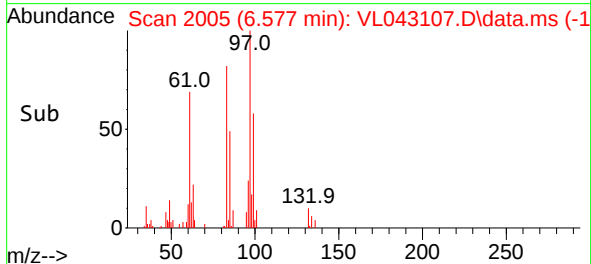
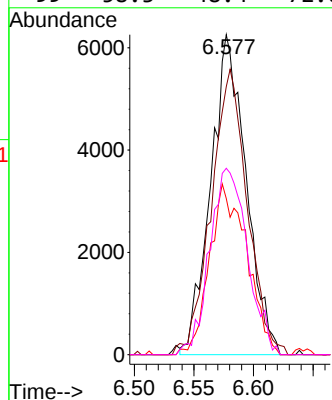
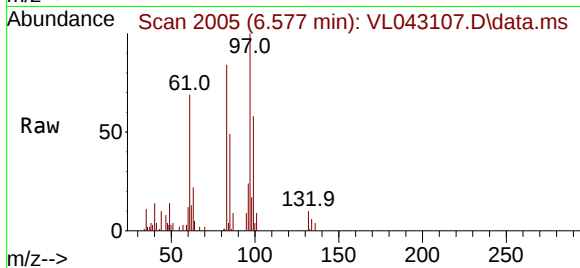
Ion Ratio Lower Upper

97 100

83 80.9 64.6 96.8

85 48.8 40.6 60.8

99 58.3 48.4 72.6



#48

Dibromochloromethane

Concen: 1.046 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. -0.007 min

Lab File: VL043107.D

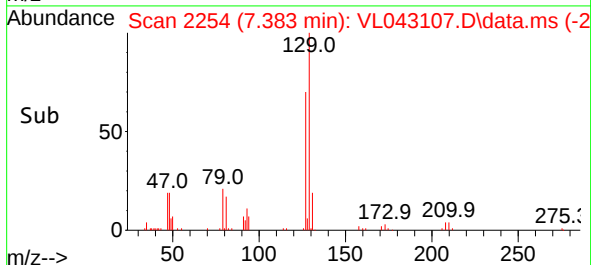
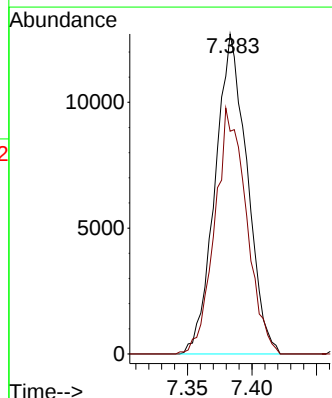
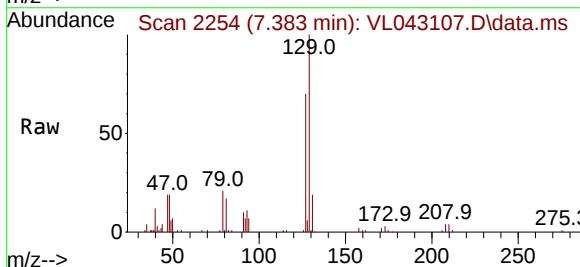
Acq: 14 Oct 2025 12:01

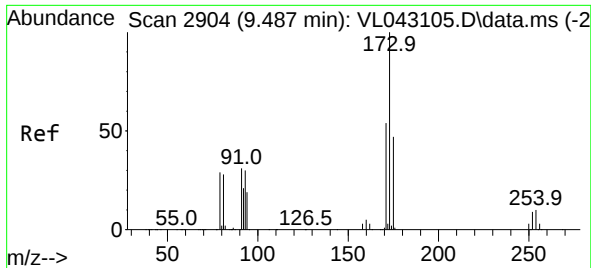
Tgt Ion: 129 Resp: 21874

Ion Ratio Lower Upper

129 100

127 76.1 39.3 117.9

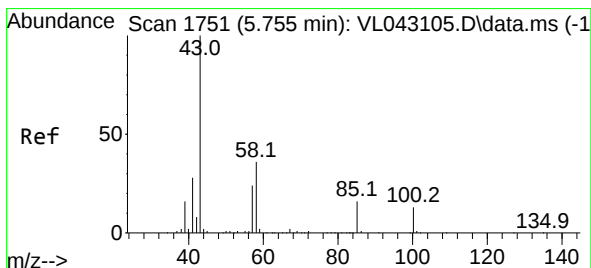
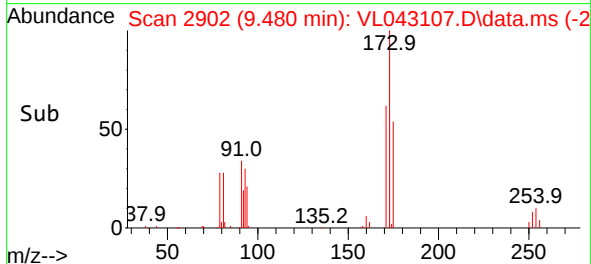
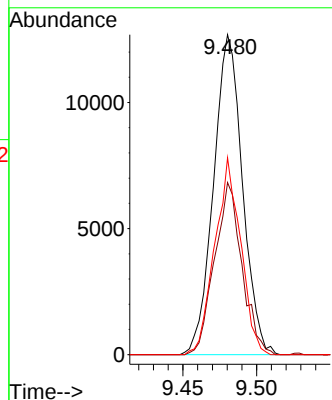
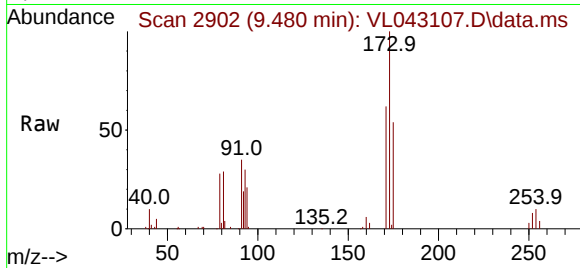




#49
Bromoform
Concen: 1.019 ppbv
RT: 9.480 min Scan# 2904
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

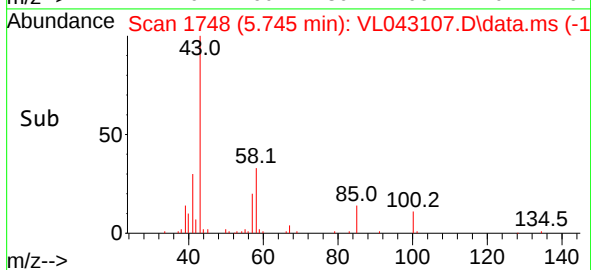
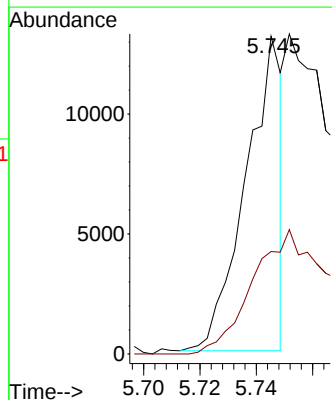
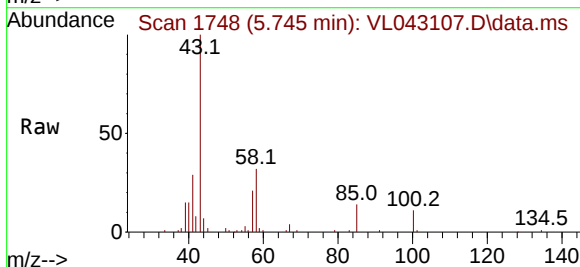
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

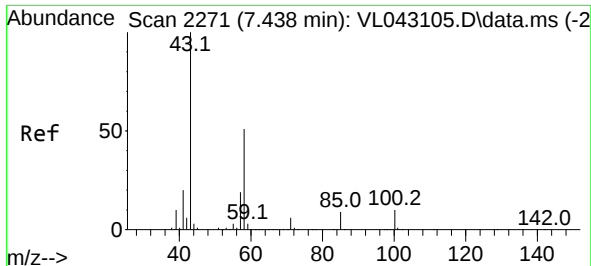
Tgt Ion:173 Resp: 17320
Ion Ratio Lower Upper
173 100
175 50.9 38.8 58.2
171 55.0 41.7 62.5



#50
4-Methyl-2-Pentanone
Concen: 0.371 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 43 Resp: 11642
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7#

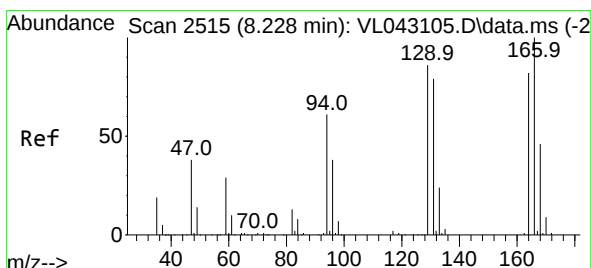
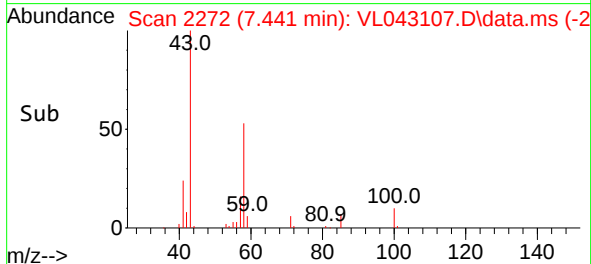
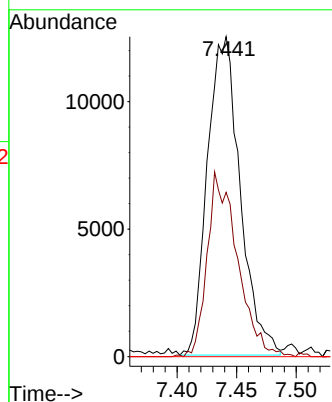
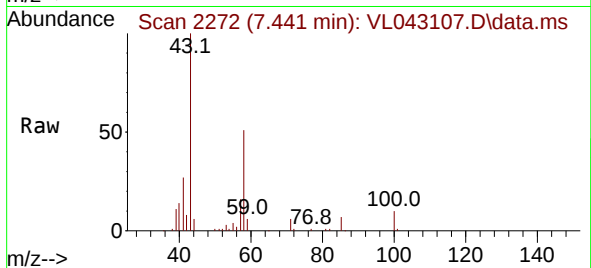




#51
2-Hexanone
Concen: 1.018 ppbv
RT: 7.441 min Scan# 2114
Delta R.T. 0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

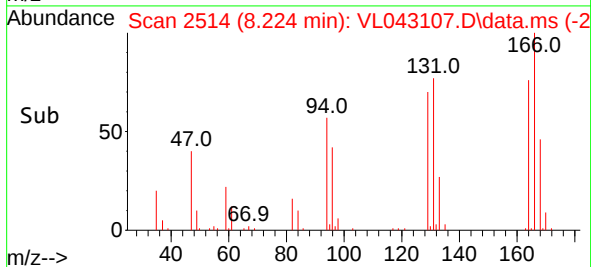
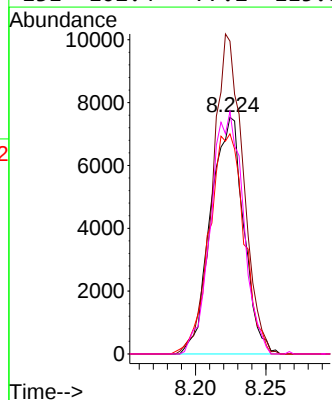
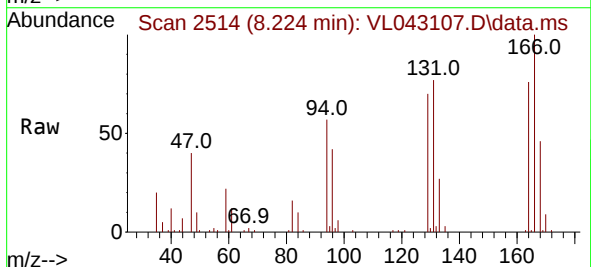
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

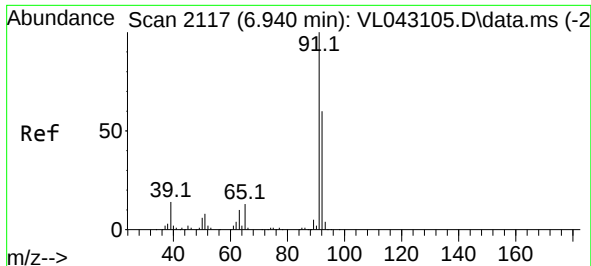
Tgt Ion: 43 Resp: 23817
Ion Ratio Lower Upper
43 100
58 53.7 40.4 60.6
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 1.079 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 164 Resp: 12319
Ion Ratio Lower Upper
164 100
166 132.1 97.6 146.4
129 93.0 84.5 126.7
131 102.4 77.2 115.8

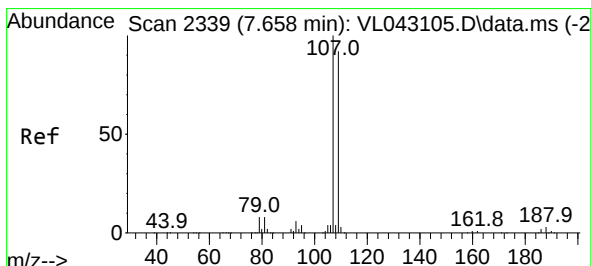
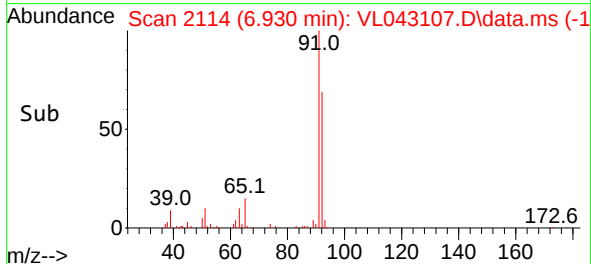
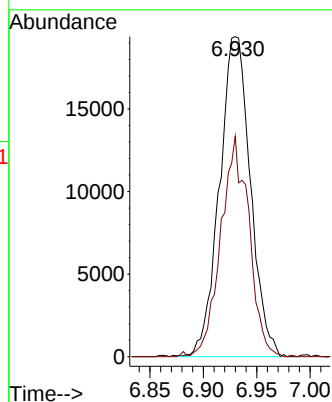
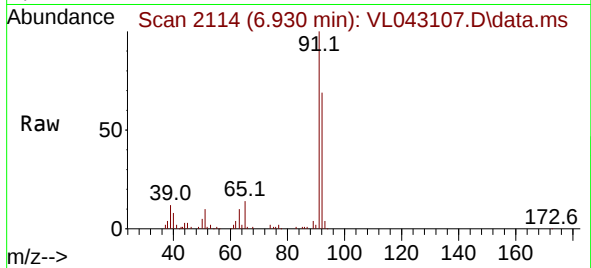




#53
Toluene
Concen: 1.040 ppbv
RT: 6.930 min Scan# 2117
Delta R.T. -0.010 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

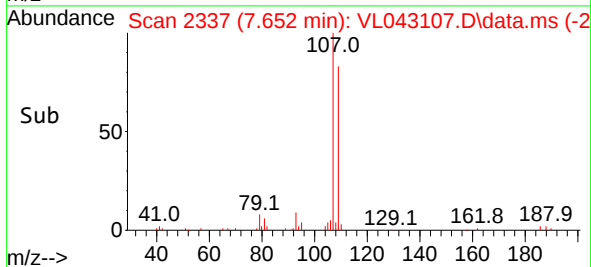
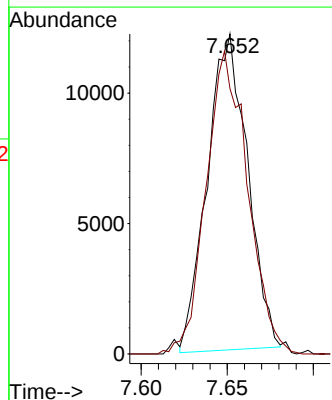
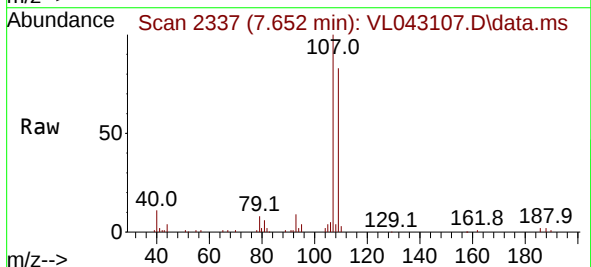
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

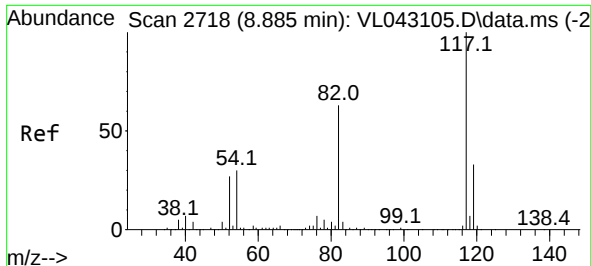
Tgt Ion: 91 Resp: 39079
Ion Ratio Lower Upper
91 100
92 62.8 48.8 73.2



#54
1,2-Dibromoethane
Concen: 0.999 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 107 Resp: 19711
Ion Ratio Lower Upper
107 100
109 80.7 73.4 110.2

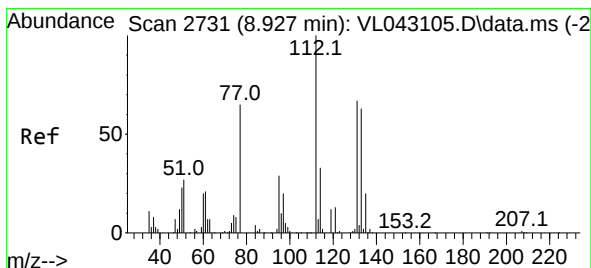
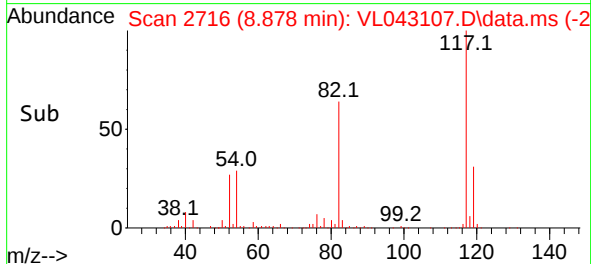
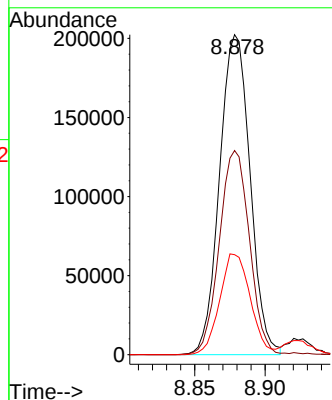
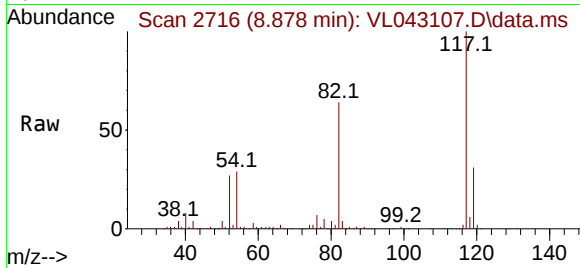




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

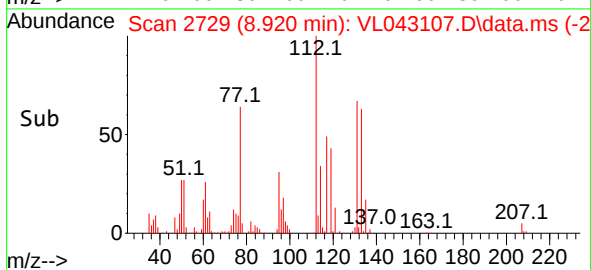
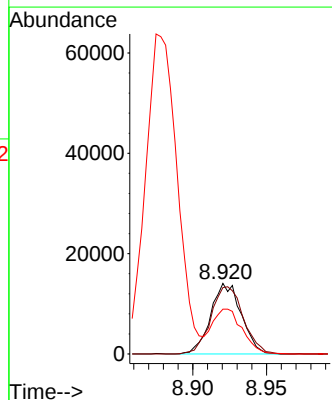
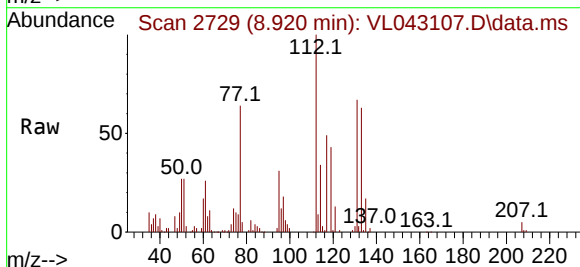
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

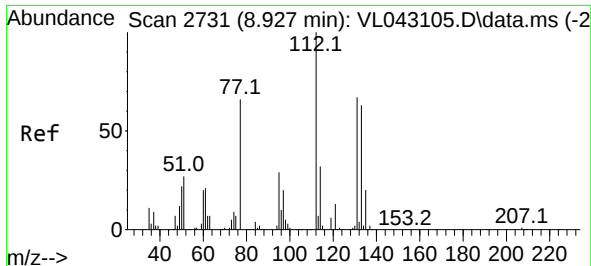
Tgt Ion:117 Resp: 305409
Ion Ratio Lower Upper
117 100
82 63.4 53.8 80.8
119 32.3 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 1.053 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:131 Resp: 20279
Ion Ratio Lower Upper
131 100
133 100.9 75.7 113.5
119 62.1 50.6 76.0





#57

Chlorobenzene

Concen: 1.079 ppbv

RT: 8.920 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

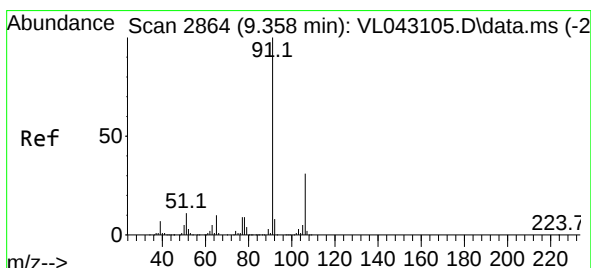
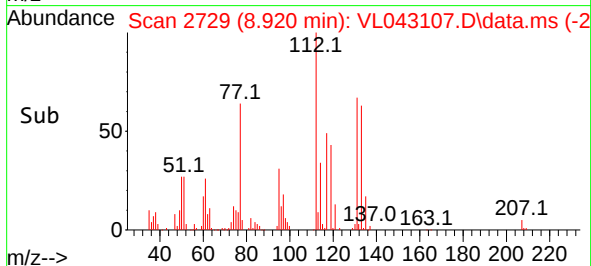
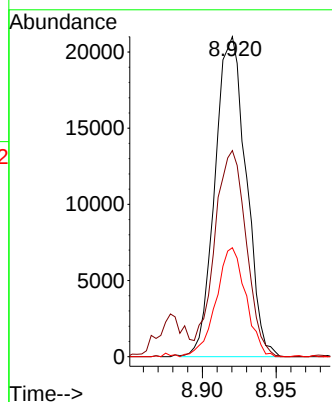
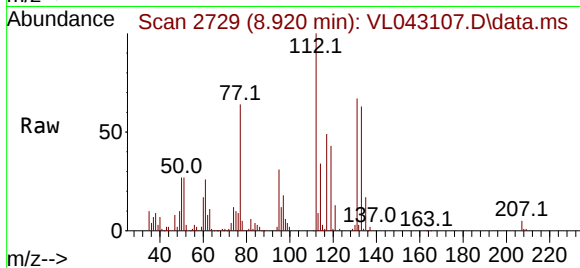
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:112	Resp:	30824
Ion	Ratio	Lower Upper
112	100	
77	64.2	53.3 79.9
114	34.1	29.3 35.8



#58

Ethyl Benzene

Concen: 1.049 ppbv

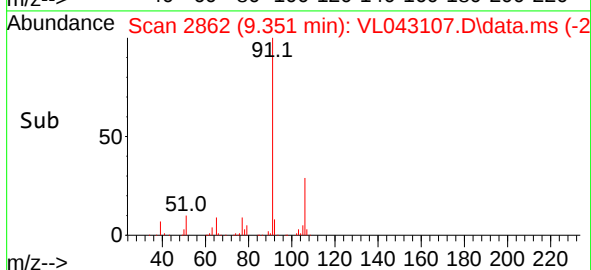
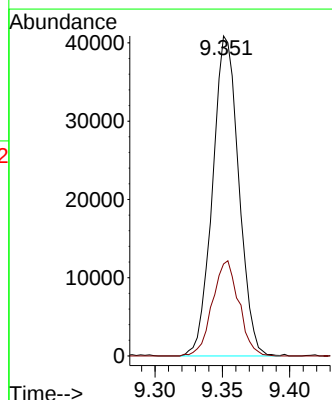
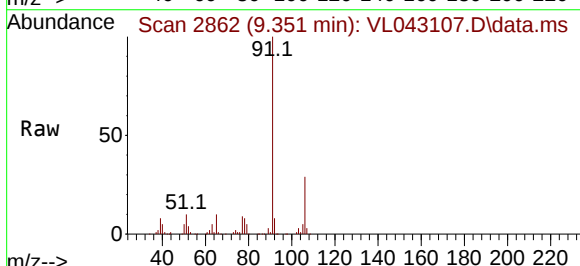
RT: 9.351 min Scan# 2862

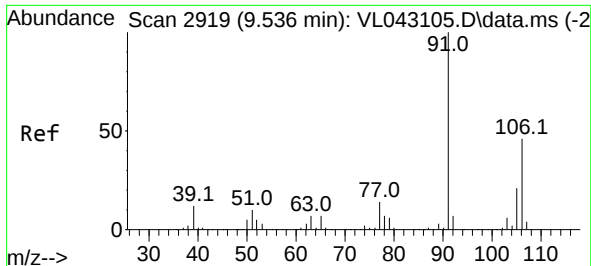
Delta R.T. -0.007 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

Tgt Ion: 91	Resp:	55420
Ion	Ratio	Lower Upper
91	100	
106	28.7	24.8 37.2

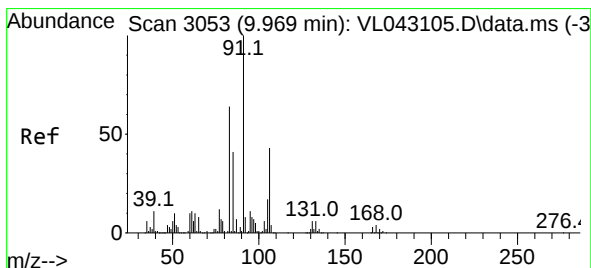
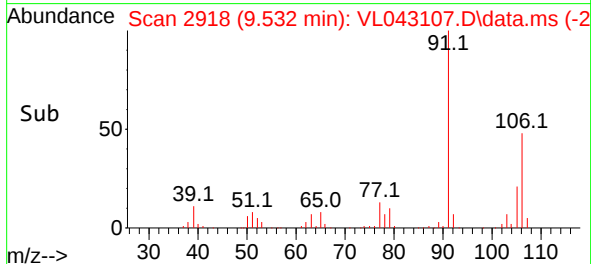
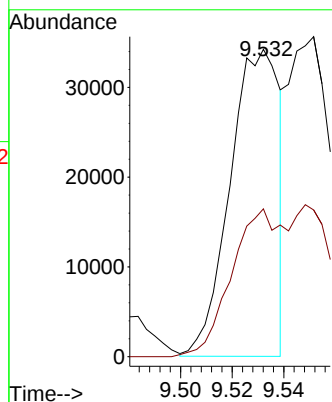
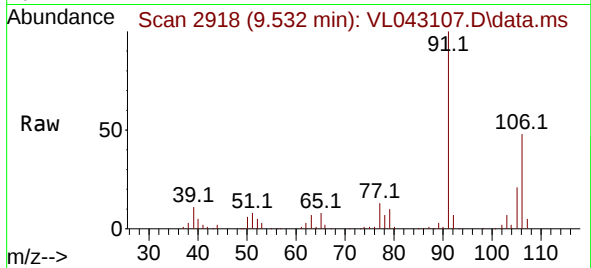




#59
m/p-Xylene
Concen: 1.087 ppbv
RT: 9.532 min Scan# 2919
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

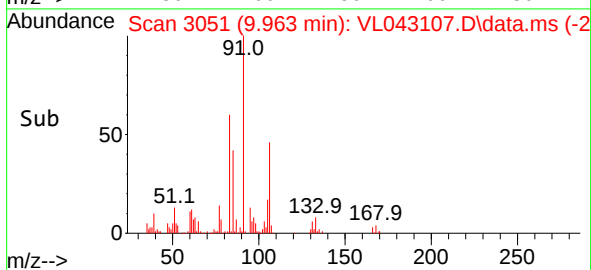
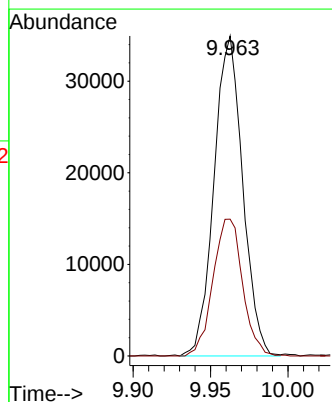
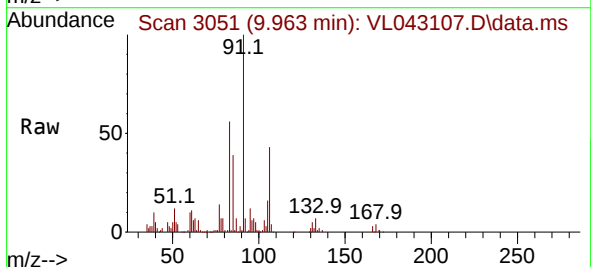
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

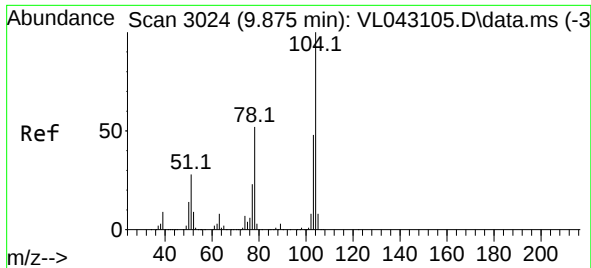
Tgt Ion: 91 Resp: 45483
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0#



#60
o-Xylene
Concen: 1.088 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 44925
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.8

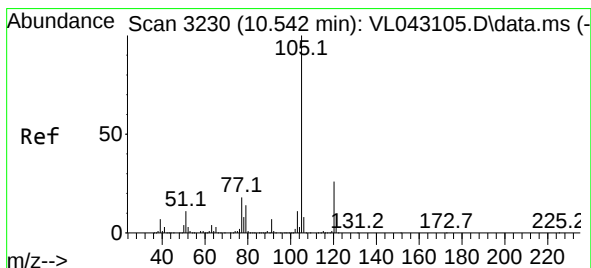
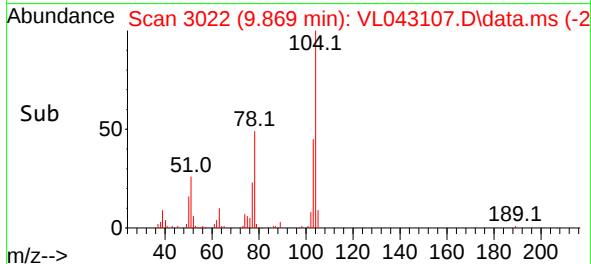
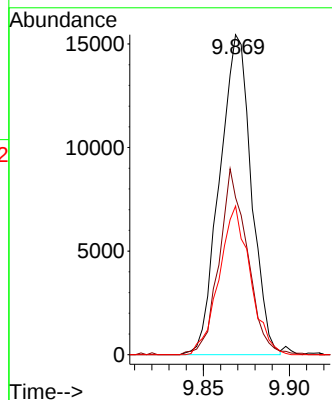
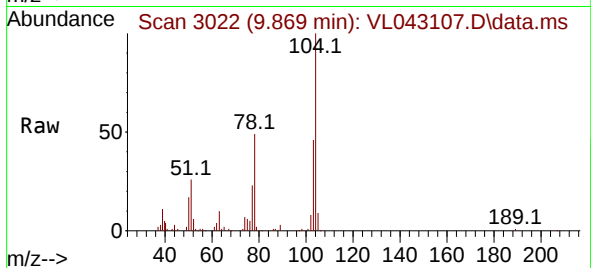




#61
Styrene
Concen: 1.063 ppbv
RT: 9.869 min Scan# 3024
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

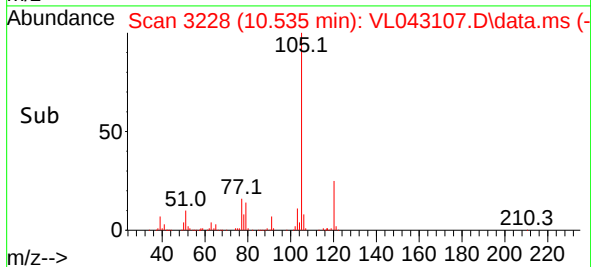
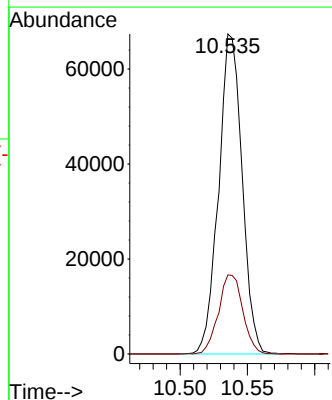
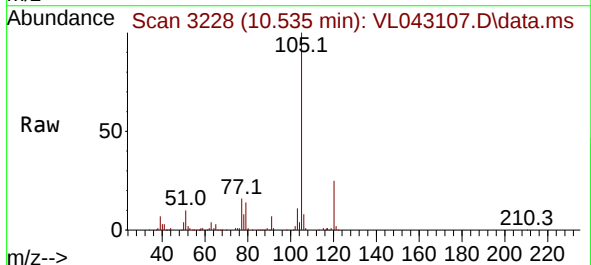
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

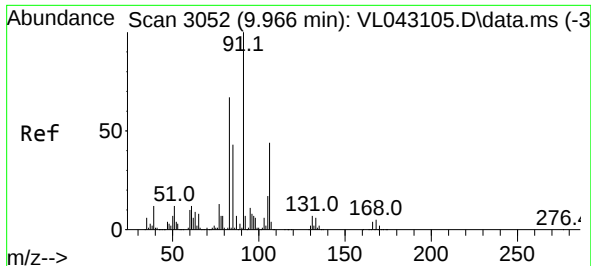
Tgt Ion:104 Resp: 19809
Ion Ratio Lower Upper
104 100
78 51.8 40.2 60.2
103 45.5 36.9 55.3



#62
Isopropylbenzene
Concen: 1.093 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:105 Resp: 81579
Ion Ratio Lower Upper
105 100
120 25.6 20.2 30.4

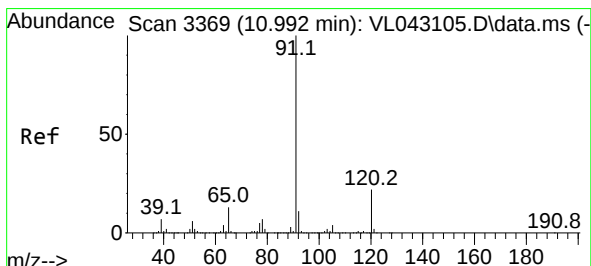
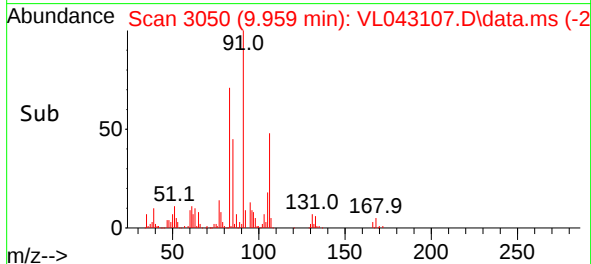
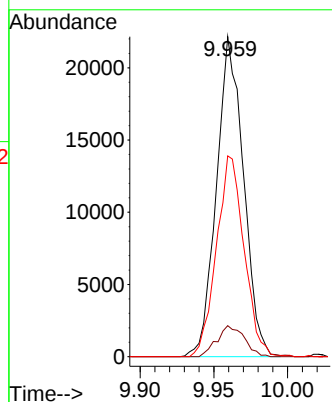
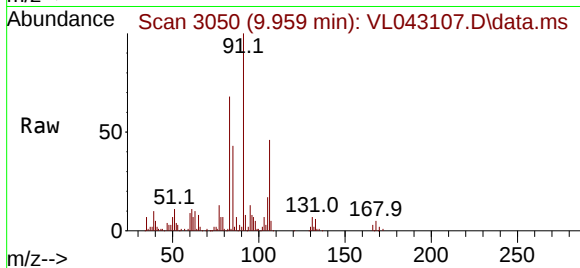




#63
1,1,2,2-Tetrachloroethane
Concen: 1.021 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

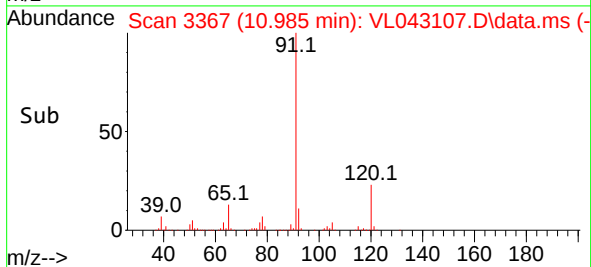
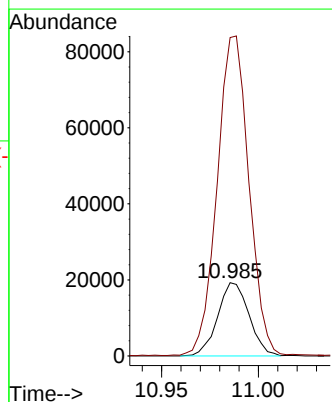
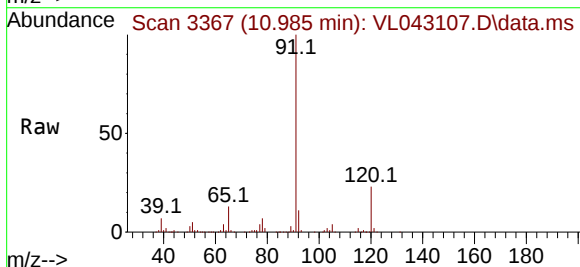
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

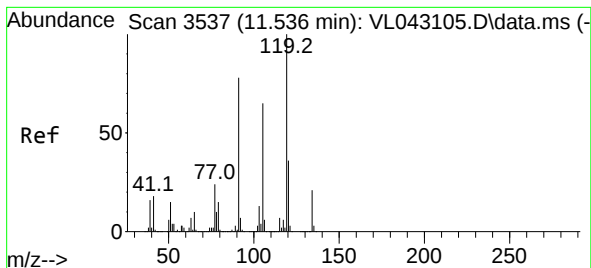
Tgt Ion: 83 Resp: 28230
Ion Ratio Lower Upper
83 100
131 9.8 4.8 14.3
85 64.3 32.0 96.0



#64
n-propylbenzene
Concen: 1.098 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 120 Resp: 21685
Ion Ratio Lower Upper
120 100
91 446.5 361.6 542.4

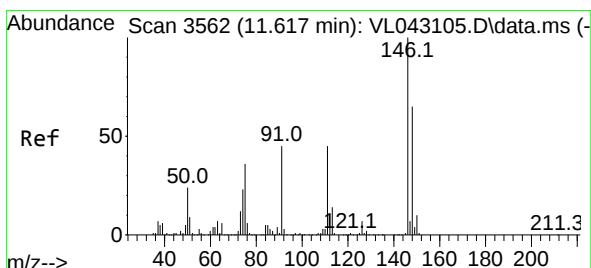
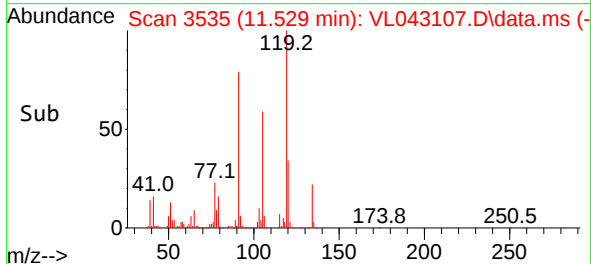
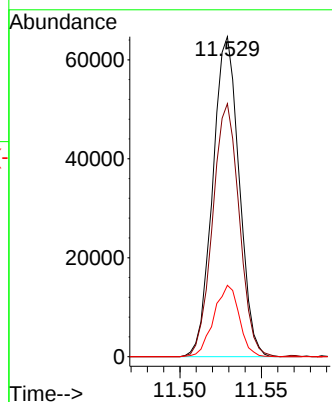
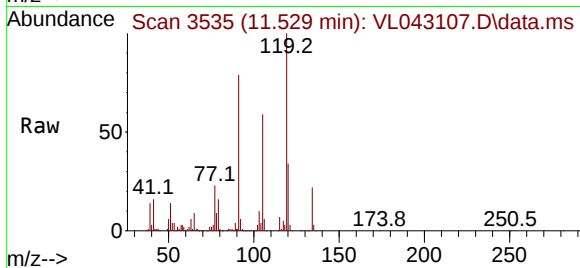




#65
tert-Butylbenzene
Concen: 1.105 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

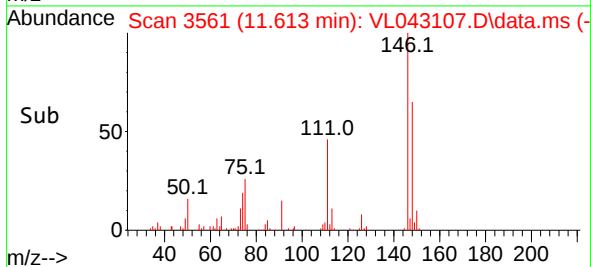
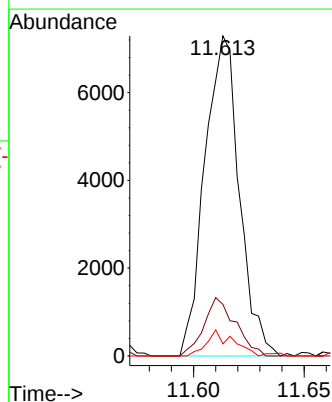
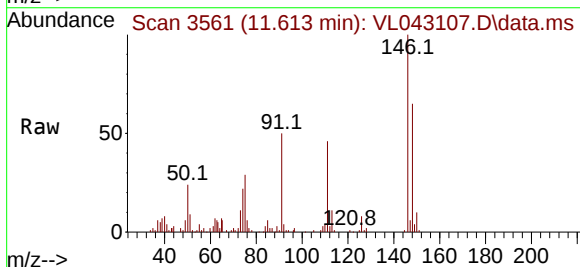
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

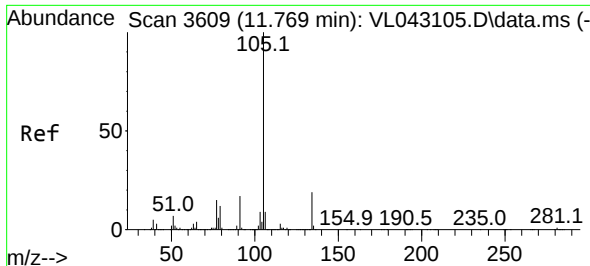
Tgt Ion:119 Resp: 72781
Ion Ratio Lower Upper
119 100
91 79.8 63.4 95.0
134 21.5 17.3 25.9



#66
Benzyl Chloride
Concen: 1.076 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 7918
Ion Ratio Lower Upper
91 100
126 16.6 14.6 22.0
128 6.6 4.6 6.8

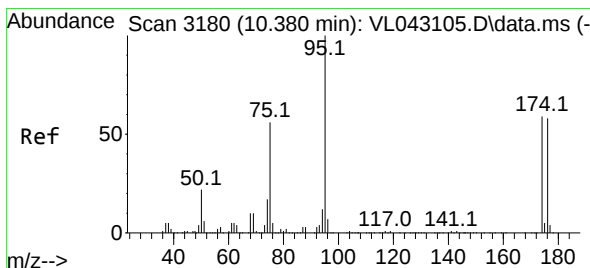
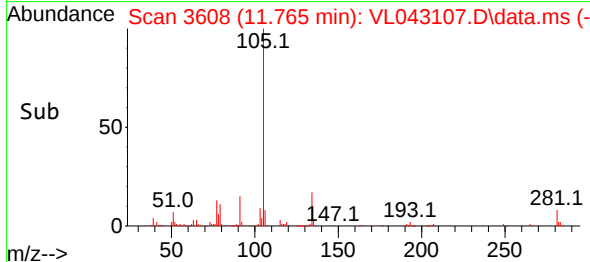
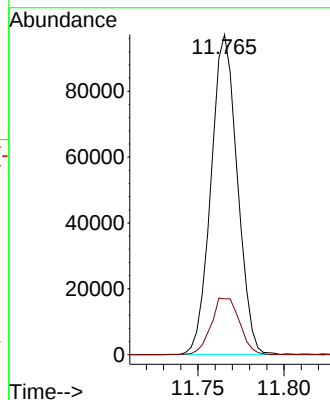
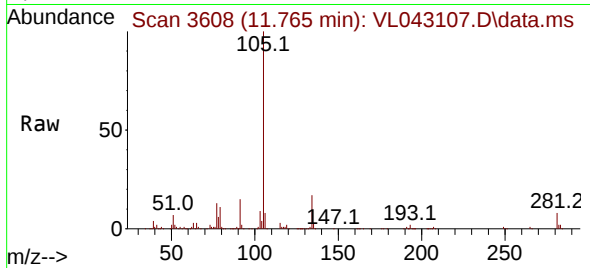




#67
 sec-Butylbenzene
 Concen: 1.103 ppbv
 RT: 11.765 min Scan# 3178
 Delta R.T. -0.003 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

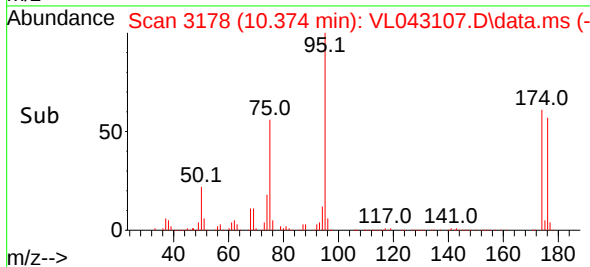
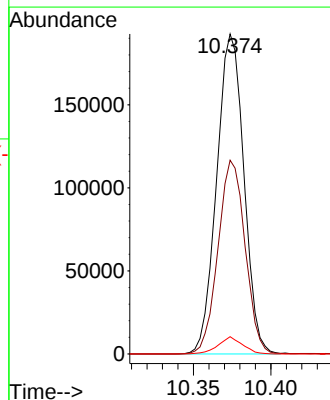
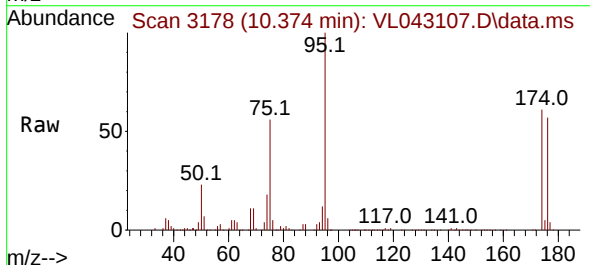
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

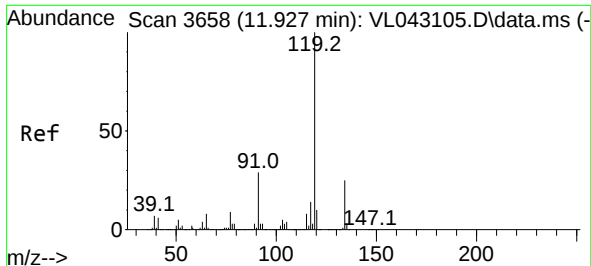
Tgt Ion:105 Resp: 103152
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.912 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.007 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

Tgt Ion: 95 Resp: 235307
 Ion Ratio Lower Upper
 95 100
 174 60.3 48.3 72.5
 175 4.8 3.8 5.8

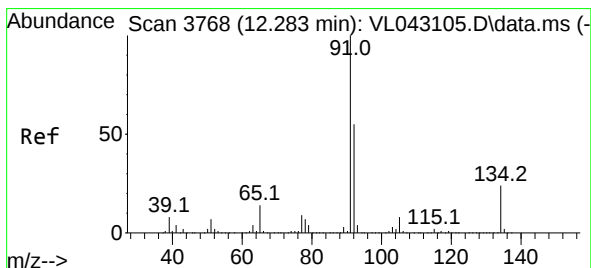
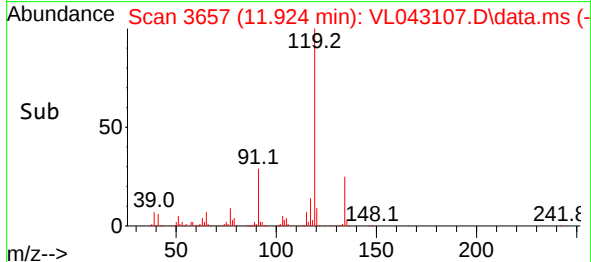
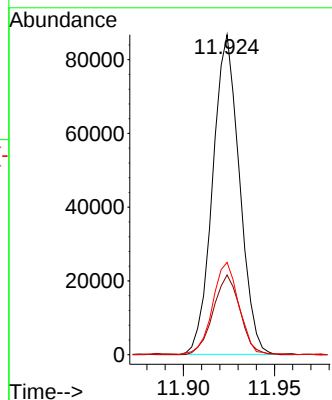
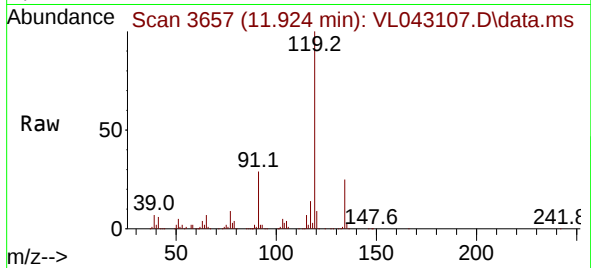




#69
p-Isopropyltoluene
Concen: 1.113 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

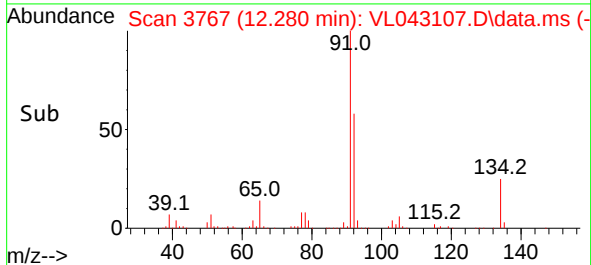
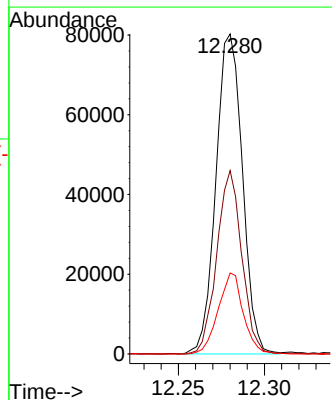
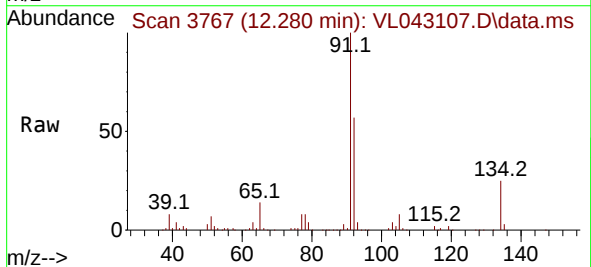
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

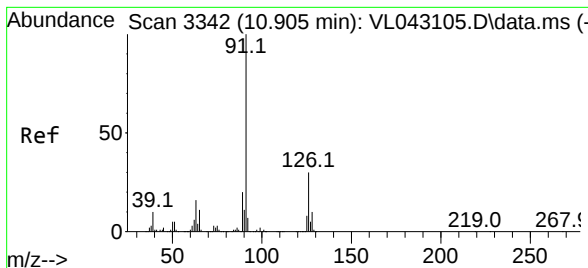
Tgt Ion:119 Resp: 88443
Ion Ratio Lower Upper
119 100
134 25.1 20.3 30.5
91 28.9 22.6 33.8



#70
n-Butylbenzene
Concen: 1.100 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 91 Resp: 86120
Ion Ratio Lower Upper
91 100
92 54.1 44.5 66.7
134 23.9 19.3 28.9

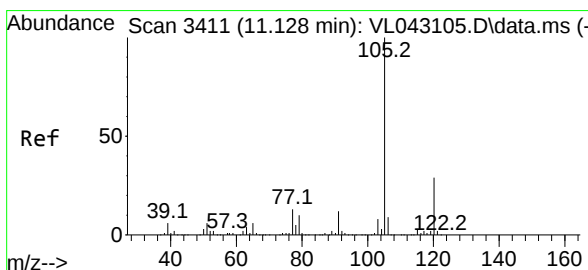
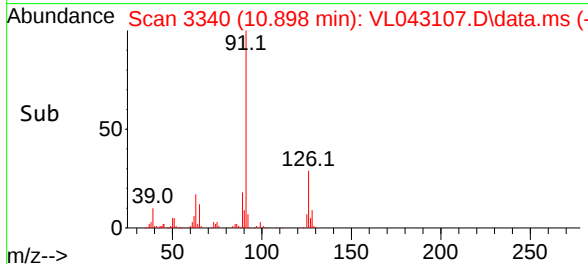
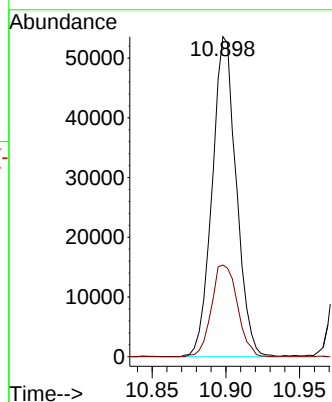
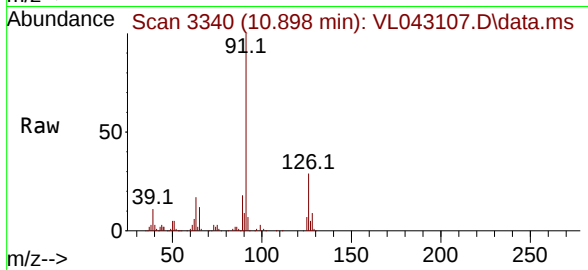




#71
2-Chlorotoluene
Concen: 1.072 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

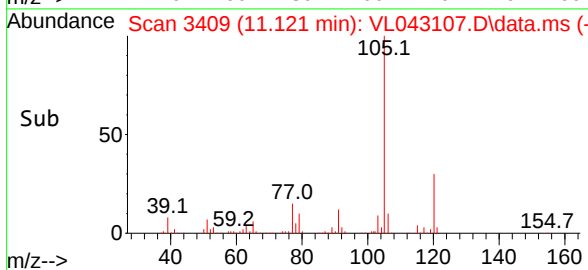
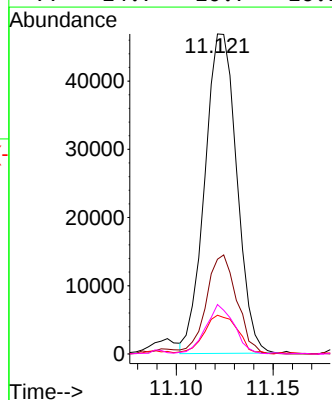
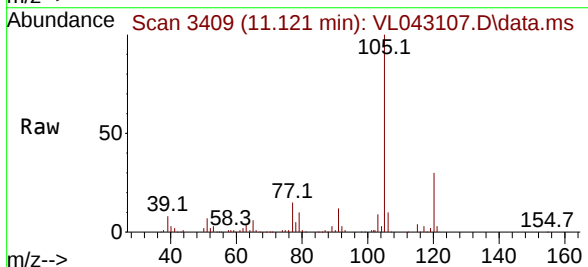
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

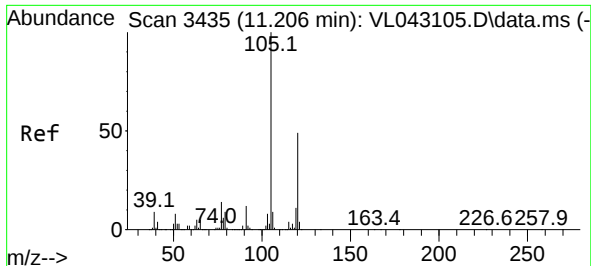
Tgt Ion: 91 Resp: 60994
Ion Ratio Lower Upper
91 100
126 30.8 12.0 48.0



#72
4-Ethyltoluene
Concen: 1.059 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion: 105 Resp: 53788
Ion Ratio Lower Upper
105 100
120 31.0 24.2 36.4
91 14.0 10.0 15.0
77 14.7 10.7 16.1

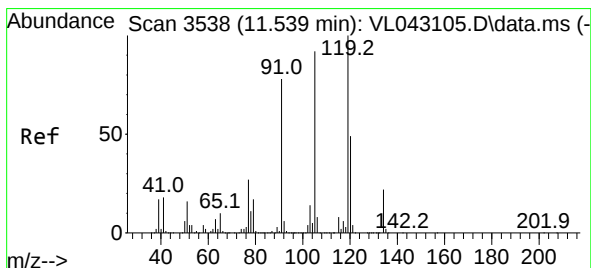
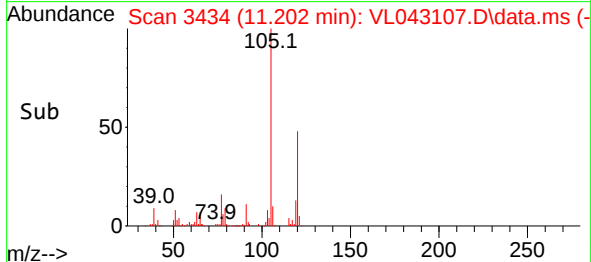
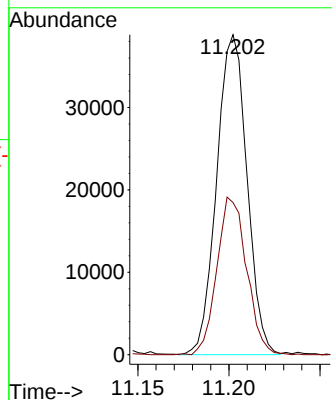
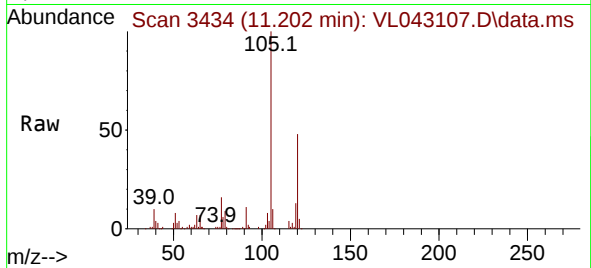




#73
 1,3,5-Trimethylbenzene
 Concen: 1.070 ppbv
 RT: 11.202 min Scan# 3434
 Delta R.T. -0.003 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

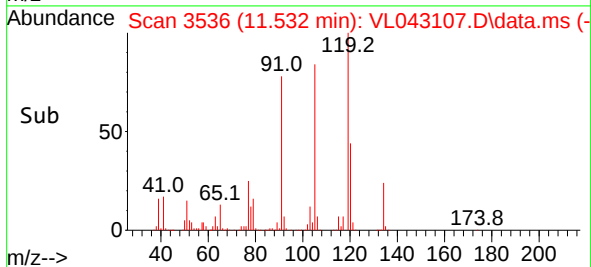
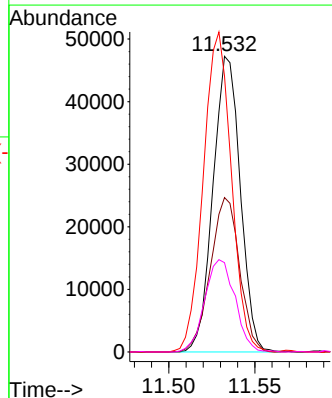
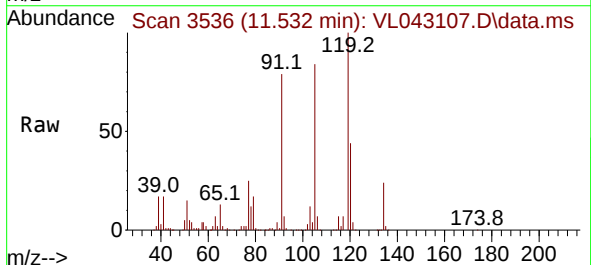
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

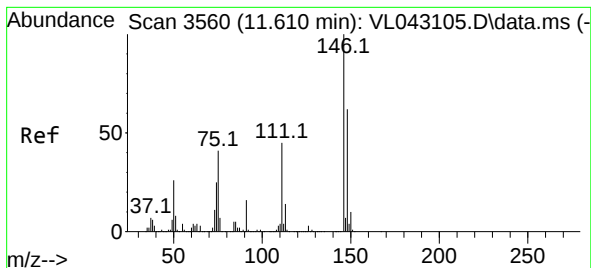
Tgt Ion:105 Resp: 44786
 Ion Ratio Lower Upper
 105 100
 120 47.3 39.0 58.6



#74
 1,2,4-Trimethylbenzene
 Concen: 1.112 ppbv
 RT: 11.532 min Scan# 3536
 Delta R.T. -0.007 min
 Lab File: VL043107.D
 Acq: 14 Oct 2025 12:01

Tgt Ion:105 Resp: 52118
 Ion Ratio Lower Upper
 105 100
 120 52.2 42.8 64.2
 91 93.1 68.3 102.5
 77 30.2 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 1.074 ppbv

RT: 11.604 min Scan# 3558

Delta R.T. -0.007 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

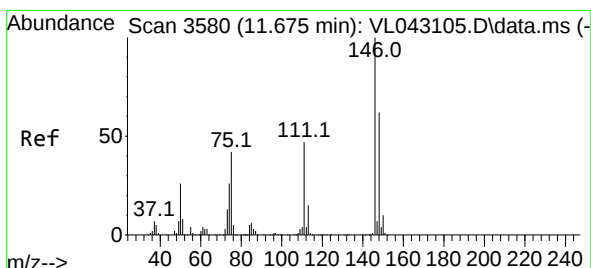
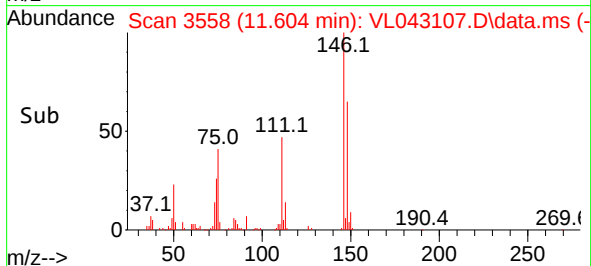
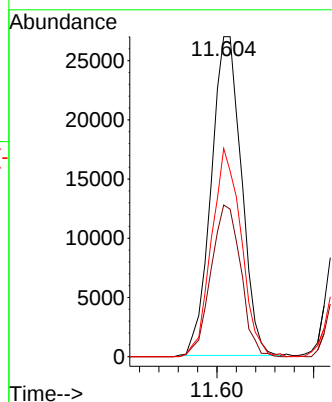
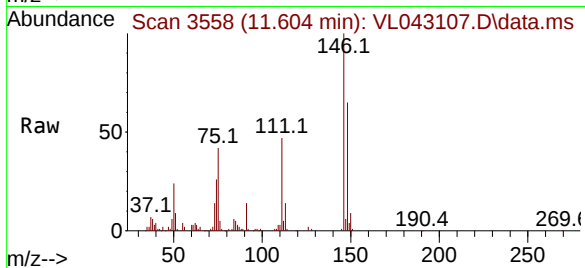
Tgt Ion:146 Resp: 29186

Ion Ratio Lower Upper

146 100

111 47.0 23.3 69.9

148 64.0 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 1.066 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. -0.007 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

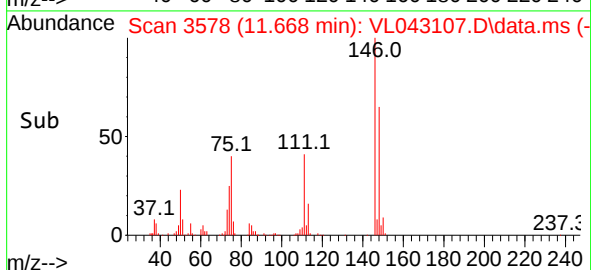
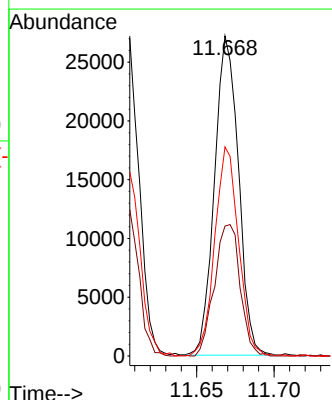
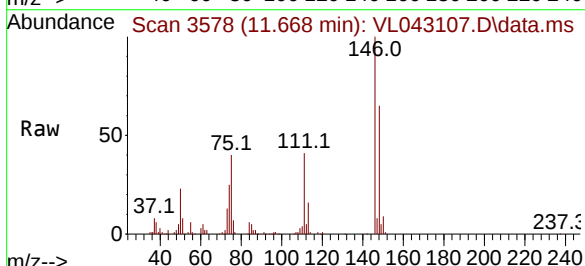
Tgt Ion:146 Resp: 29225

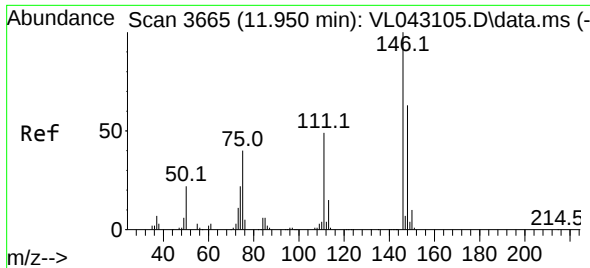
Ion Ratio Lower Upper

146 100

111 44.2 22.4 67.0

148 65.0 31.6 94.7

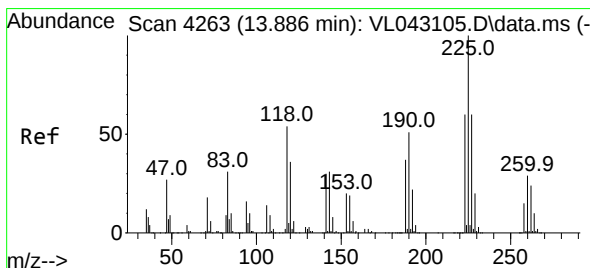
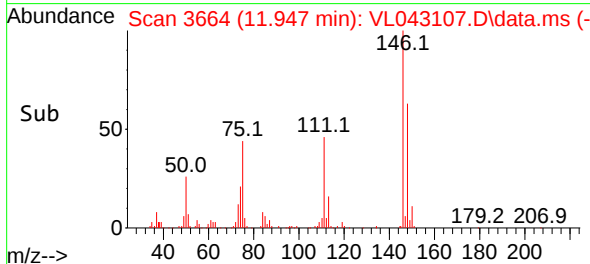
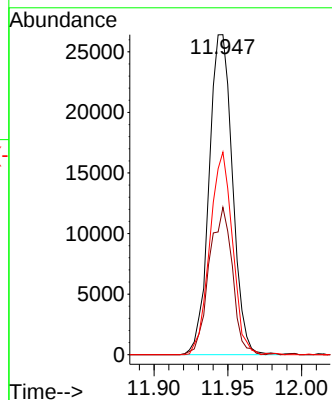
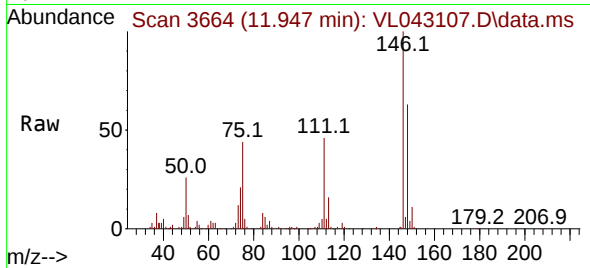




#77
1,2-Dichlorobenzene
Concen: 1.109 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. -0.003 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

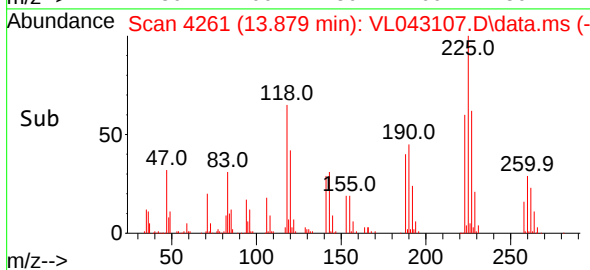
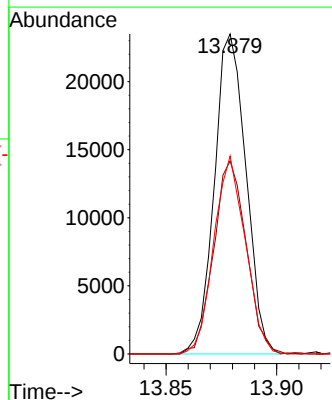
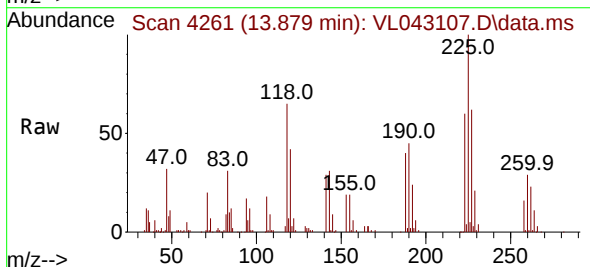
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

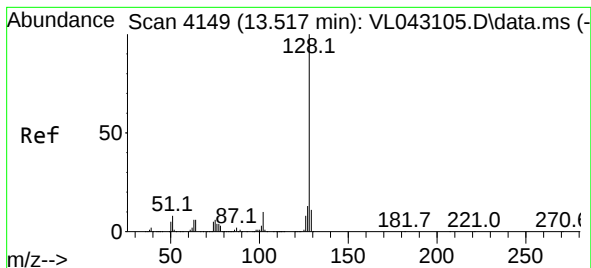
Tgt Ion:146 Resp: 29146
Ion Ratio Lower Upper
146 100
111 45.8 24.0 72.0
148 61.5 31.1 93.3



#78
Hexachloro-1,3-Butadiene
Concen: 1.146 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL043107.D
Acq: 14 Oct 2025 12:01

Tgt Ion:225 Resp: 23330
Ion Ratio Lower Upper
225 100
223 62.4 50.2 75.4
227 61.6 49.6 74.4





#79

Naphthalene

Concen: 1.114 ppbv

RT: 13.510 min Scan# 4149

Delta R.T. -0.007 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

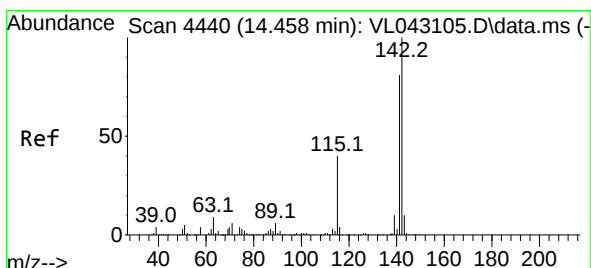
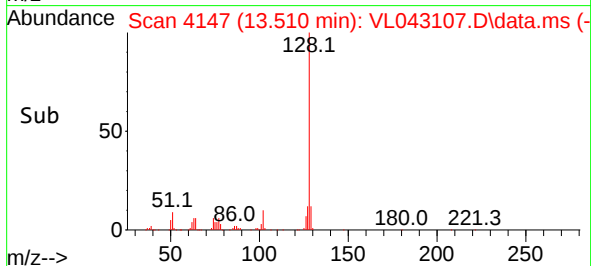
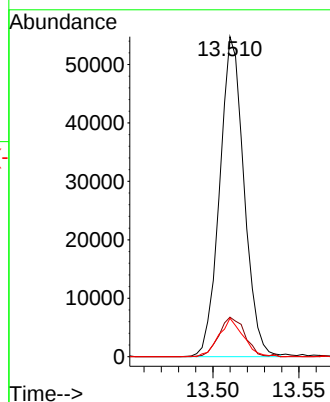
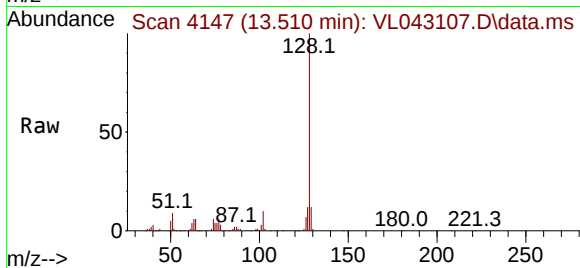
Tgt Ion:128 Resp: 53930

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

129 12.0 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 0.849 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. -0.000 min

Lab File: VL043107.D

Acq: 14 Oct 2025 12:01

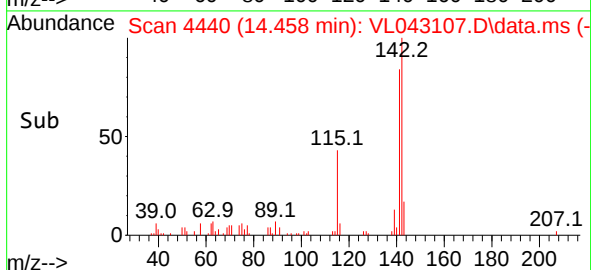
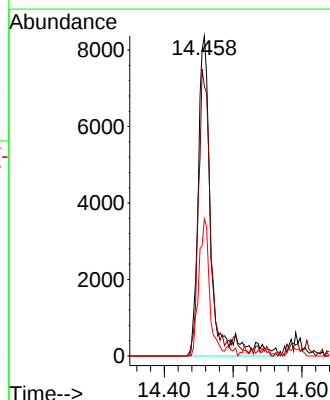
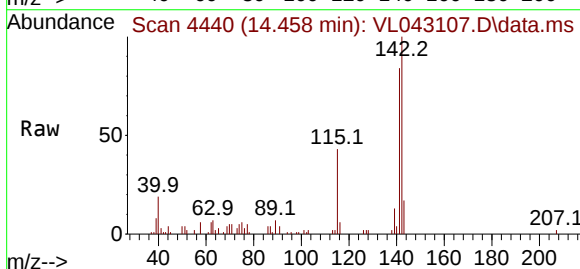
Tgt Ion:142 Resp: 10851

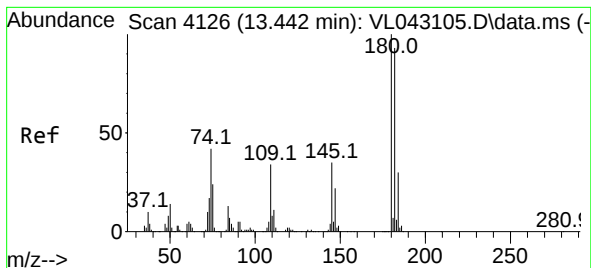
Ion Ratio Lower Upper

142 100

141 88.9 64.6 97.0

115 38.1 30.2 45.4





#81

1,2,4-Trichlorobenzene

Concen: 1.090 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043107.D

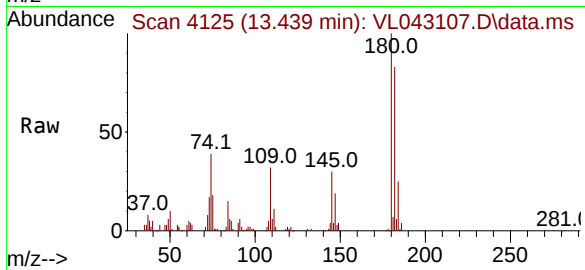
Acq: 14 Oct 2025 12:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:	180	Resp:	22161
Ion Ratio	Lower	Upper	
180	100		
182	92.5	75.5	113.3
184	28.8	23.9	35.9

