

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043234.D
 Acq On : 19 Nov 2025 11:56
 Operator : SY/MD
 Sample : VL1119ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

Quant Time: Nov 20 00:03:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	103562	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	284672	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	231008	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	174465	10.303	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	159627	10.928	ppbv	97
3) Chlorodifluoromethane	1.476	51	135373	9.424	ppbv	92
4) Chloromethane	1.531	50	53712	9.835	ppbv	99
5) Vinyl Chloride	1.580	62	55310	9.261	ppbv	94
6) Bromomethane	1.667	94	30752	10.622	ppbv	97
7) Chloroethane	1.703	64	21569	9.273	ppbv	96
8) Dichlorotetrafluoroethane	1.554	85	132161	10.877	ppbv	98
9) Propene	1.771	41	57666	9.454	ppbv	98
10) Heptane	4.965	43	148958	8.205	ppbv	97
11) Trichlorofluoromethane	1.874	101	170660	12.059	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.136	101	126291	11.431	ppbv	97
13) Ethanol	1.719	45	19195	8.949	ppbv	97
14) Bromoethene	1.780	108	45857	10.827	ppbv	94
15) Acetone	1.832	43	120708	8.389	ppbv	100
16) 1,3-Butadiene	1.609	39	60112	9.371	ppbv	95
17) tert-Butyl alcohol	2.036	59	193565	10.249	ppbv	100
18) 1,1-Dichloroethene	2.033	96	53841	10.466	ppbv	91
19) Isopropyl Alcohol	1.881	45	78152	9.612	ppbv	98
20) Methylene Chloride	2.059	84	48510	11.565	ppbv	92
21) Allyl Chloride	2.094	41	88786	9.172	ppbv	90
22) trans-1,2-Dichloroethene	2.337	96	60785	10.338	ppbv	98
23) Vinyl Acetate	2.457	43	167108	9.620	ppbv	97
24) 1,1-Dichloroethane	2.405	63	117414	10.345	ppbv	98
25) Ethyl Acetate	2.826	43	271886	8.761	ppbv	99
26) Hexane	2.823	57	123157	9.052	ppbv	99
27) Carbon Disulfide	2.146	76	145985	10.510	ppbv	99
28) Methyl tert-Butyl Ether	2.434	73	69751	10.444	ppbv	97
29) Chloroform	2.842	83	215242	11.130	ppbv	100
30) Cyclohexane	3.849	84	106579	9.344	ppbv	93
31) cis-1,2-Dichloroethene	2.716	61	132120	9.770	ppbv	95
32) 1,1,1-Trichloroethane	3.363	97	225383	10.934	ppbv	98
34) 2-Butanone	2.551	43	177332	8.825	ppbv	98
35) Carbon Tetrachloride	3.755	117	240159	11.114	ppbv	97
36) Benzene	3.648	78	257003	9.427	ppbv	99
37) 1,2-Dichloroethane	3.211	62	169512	10.630	ppbv	97
38) Trichloroethene	4.538	130	106290	9.965	ppbv	93
39) 1,2-Dichloropropane	4.305	63	92079	9.228	ppbv	94
40) 1,4-Dioxane	4.564	88	22493	5.015	ppbv #	25
41) Tetrahydrofuran	3.046	42	91575	8.252	ppbv	97
42) Bromodichloromethane	4.480	83	231745	10.535	ppbv	96
43) Methyl Methacrylate	4.865	69	125100	8.645	ppbv	96
44) 2,2,4-Trimethylpentane	4.629	57	412813	8.817	ppbv	97
45) t-1,3-Dichloropropene	6.399	75	121926	9.039	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043234.D
 Acq On : 19 Nov 2025 11:56
 Operator : SY/MD
 Sample : VL1119ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

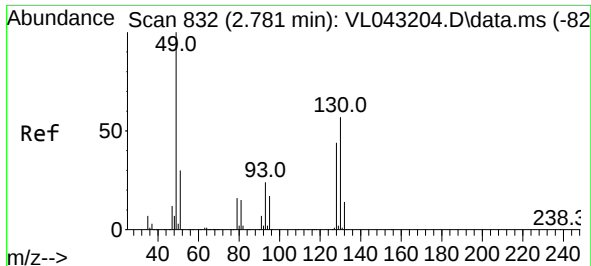
Quant Time: Nov 20 00:03:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	142340	8.987	ppbv	99
47) 1,1,2-Trichloroethane	6.567	97	103237	9.749	ppbv	96
48) Dibromochloromethane	7.377	129	196614	10.799	ppbv	98
49) Bromoform	9.474	173	178495	11.069	ppbv	100
50) 4-Methyl-2-Pentanone	5.732	43	241341	8.526	ppbv	99
51) 2-Hexanone	7.422	43	184090	8.375	ppbv #	99
52) Tetrachloroethene	8.215	164	100528	9.913	ppbv	95
53) Toluene	6.920	91	298695	9.253	ppbv	99
54) 1,2-Dibromoethane	7.642	107	158882	10.196	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.917	131	178150	10.493	ppbv	98
57) Chlorobenzene	8.914	112	237323	10.006	ppbv	98
58) Ethyl Benzene	9.344	91	432563	9.729	ppbv	100
59) m/p-Xylene	9.545	91	312310	8.761	ppbv #	31
60) o-Xylene	9.956	91	354511	9.955	ppbv	99
61) Styrene	9.862	104	146231	9.383	ppbv	98
62) Isopropylbenzene	10.532	105	643813	10.105	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.956	83	220953	9.751	ppbv	99
64) n-propylbenzene	10.982	120	166609	10.178	ppbv	99
65) tert-Butylbenzene	11.526	119	571982	10.053	ppbv	98
66) Benzyl Chloride	11.610	91	42746	7.403	ppbv	98
67) sec-Butylbenzene	11.762	105	793758	9.994	ppbv	99
69) p-Isopropyltoluene	11.921	119	682969	10.151	ppbv	100
70) n-Butylbenzene	12.277	91	676010	10.357	ppbv	99
71) 2-Chlorotoluene	10.895	91	490653	10.019	ppbv	99
72) 4-Ethyltoluene	11.118	105	441451	10.179	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	364625	10.019	ppbv	97
74) 1,2,4-Trimethylbenzene	11.532	105	403572	10.161	ppbv	88
75) 1,3-Dichlorobenzene	11.600	146	247440	10.676	ppbv	100
76) 1,4-Dichlorobenzene	11.665	146	247680	10.684	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	235048	10.548	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	196410	10.561	ppbv	100
79) Naphthalene	13.507	128	376827	10.683	ppbv	97
80) Naphthalene,2-methyl-	14.452	142	91146	9.844	ppbv	98
81) 1,2,4-Trichlorobenzene	13.435	180	183247	11.616	ppbv	99

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

Quant Time: Nov 20 00:03:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

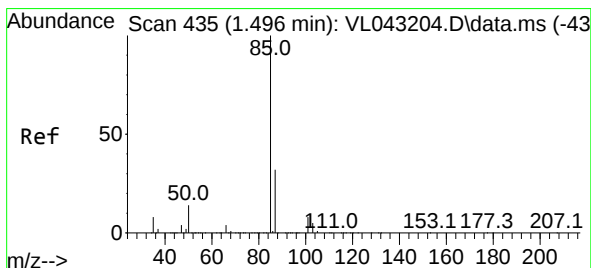
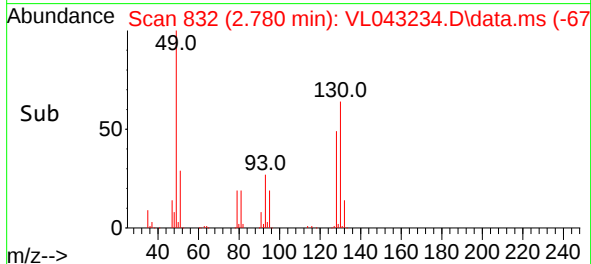
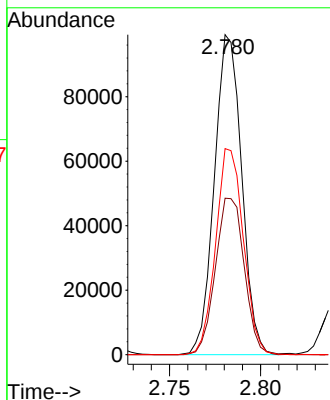
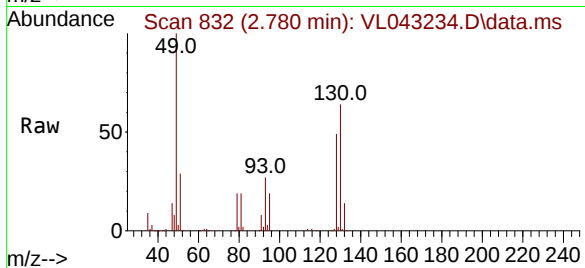




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

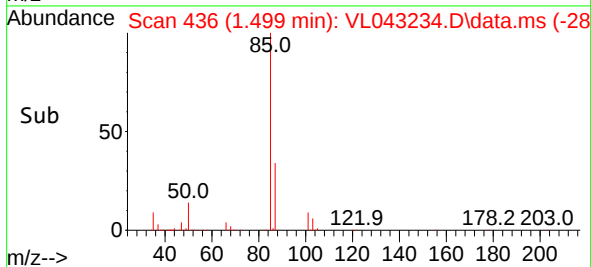
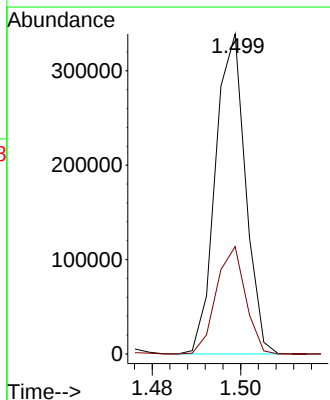
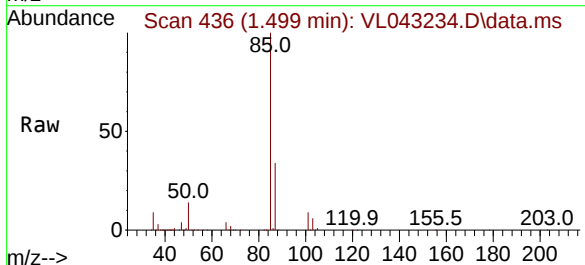
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

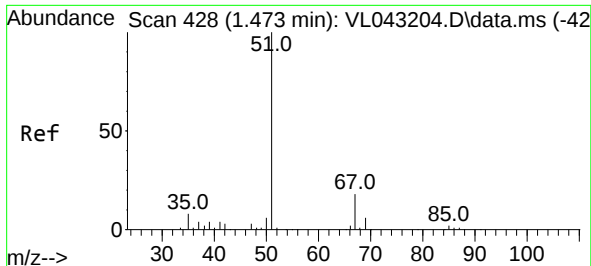
Tgt Ion: 49 Resp: 103562
Ion Ratio Lower Upper
49 100
128 51.6 23.0 69.0
130 65.4 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 10.928 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 85 Resp: 159627
Ion Ratio Lower Upper
85 100
87 33.6 25.4 38.2

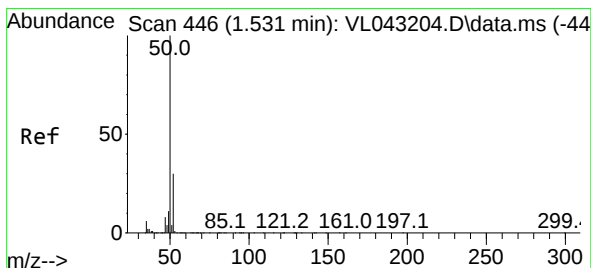
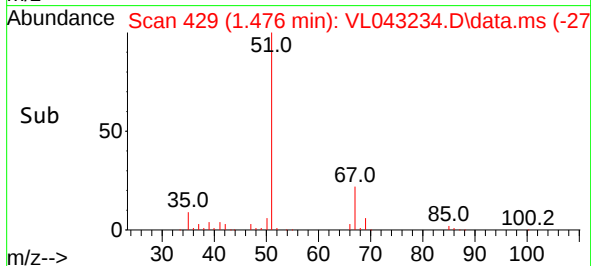
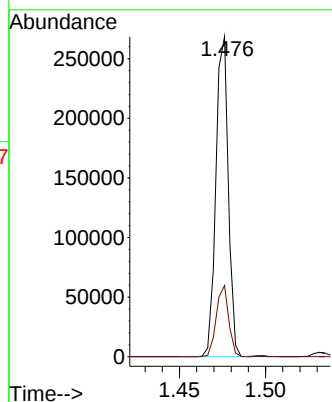
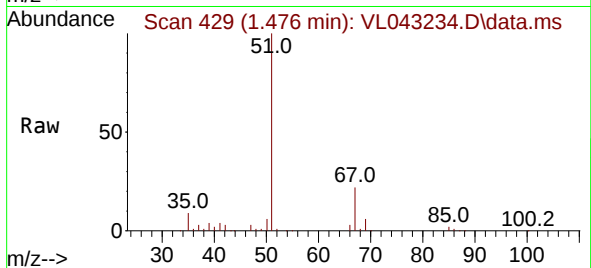




#3
Chlorodifluoromethane
Concen: 9.424 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

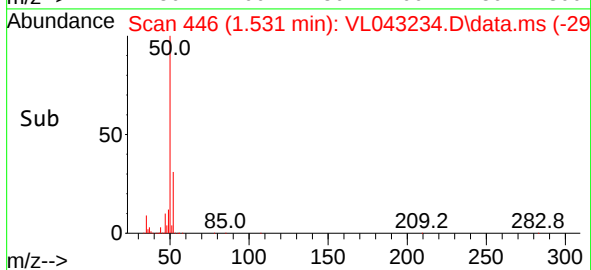
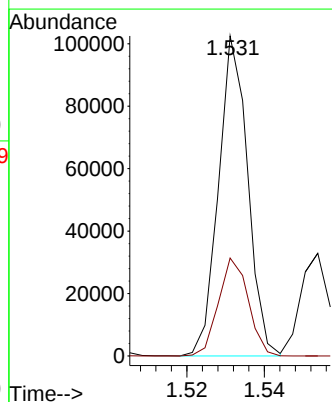
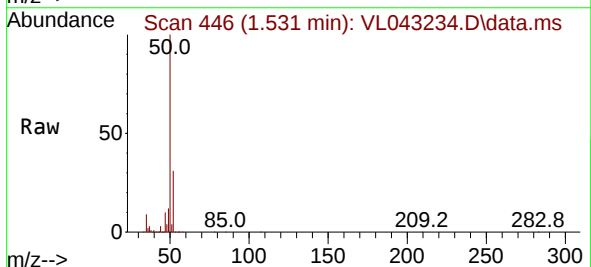
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

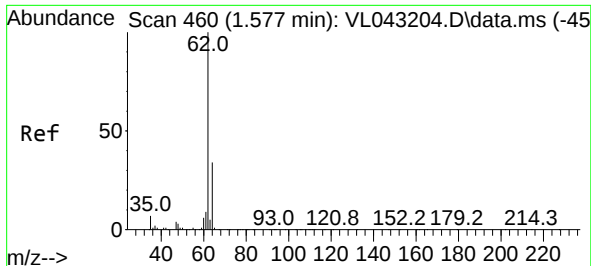
Tgt Ion: 51 Resp: 135373
Ion Ratio Lower Upper
51 100
67 22.2 14.9 22.3



#4
Chloromethane
Concen: 9.835 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 50 Resp: 53712
Ion Ratio Lower Upper
50 100
52 30.6 24.1 36.1

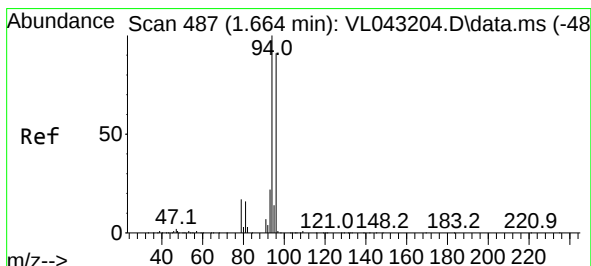
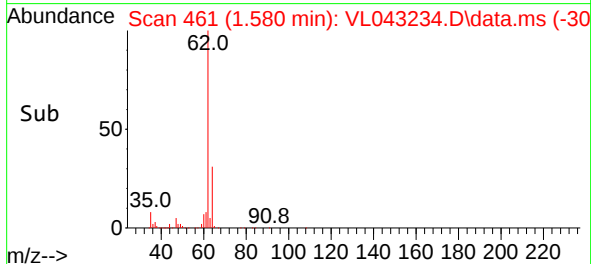
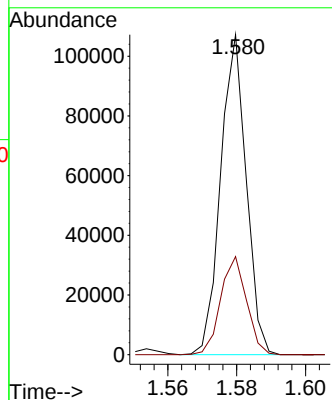
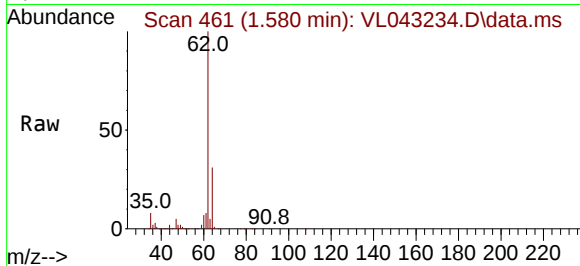




#5
 Vinyl Chloride
 Concen: 9.261 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

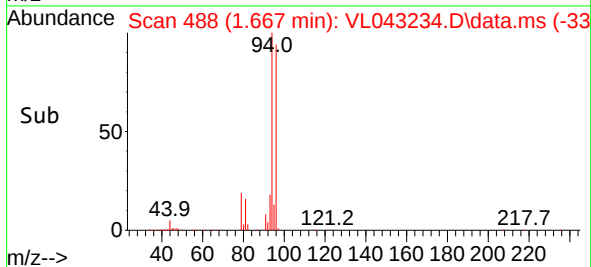
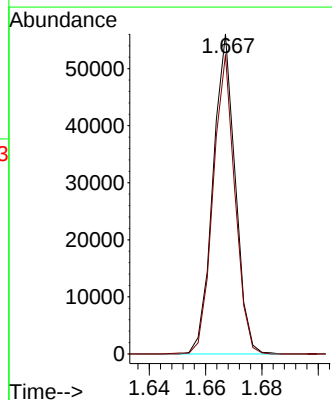
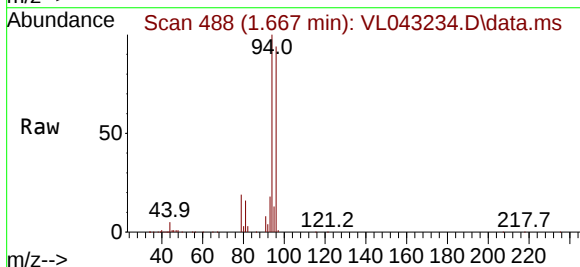
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

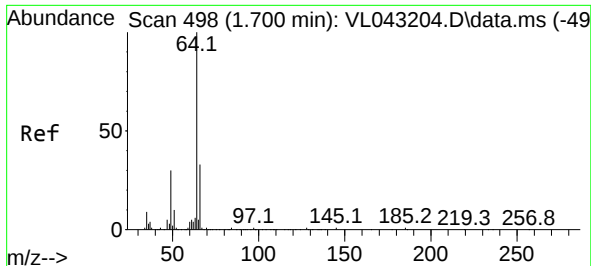
Tgt Ion: 62 Resp: 55310
 Ion Ratio Lower Upper
 62 100
 64 30.6 27.3 40.9



#6
 Bromomethane
 Concen: 10.622 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

Tgt Ion: 94 Resp: 30752
 Ion Ratio Lower Upper
 94 100
 96 93.5 72.9 109.3

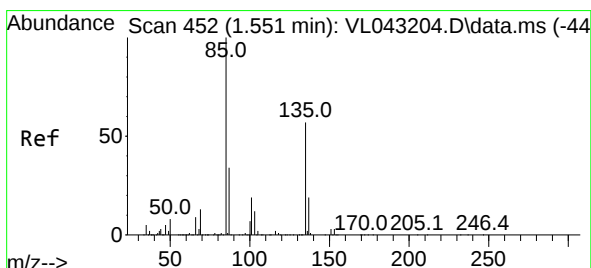
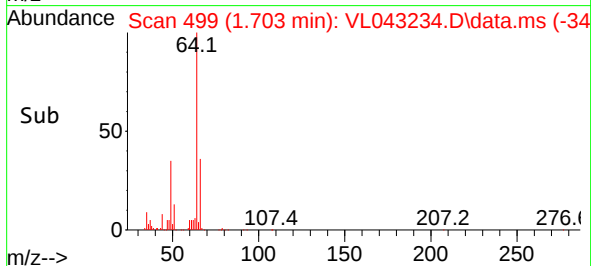
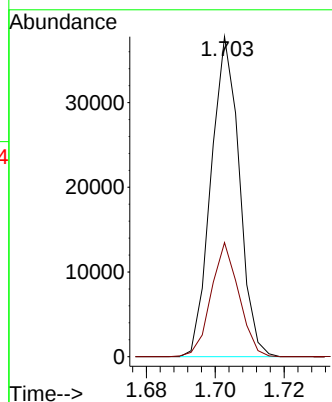
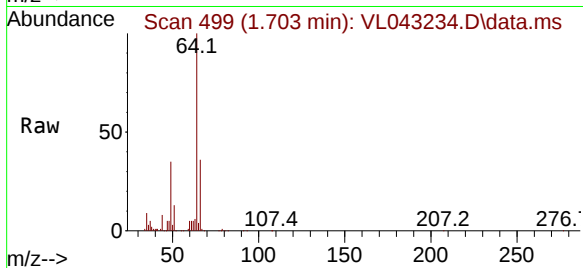




#7
Chloroethane
Concen: 9.273 ppbv
RT: 1.703 min Scan# 498
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

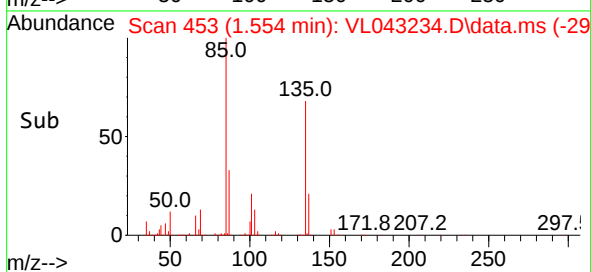
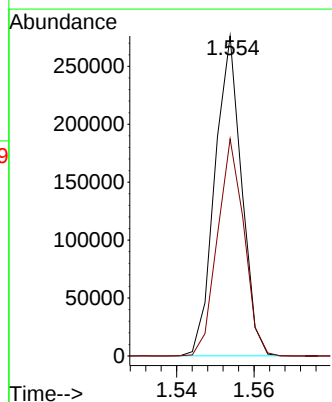
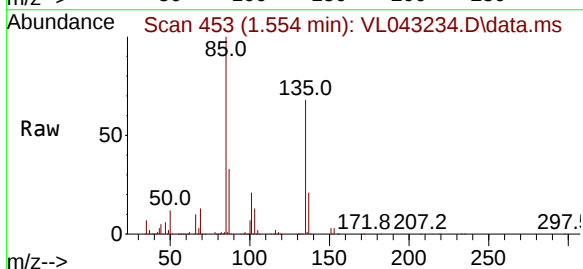
Instrument :
MSVOA_1
ClientSampleId :
VL1119ABS01

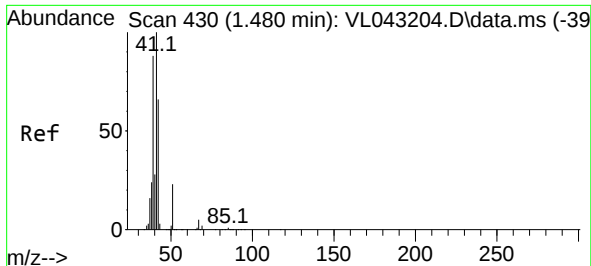
Tgt Ion: 64 Resp: 21569
Ion Ratio Lower Upper
64 100
66 35.6 26.8 40.2



#8
Dichlorotetrafluoroethane
Concen: 10.877 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 85 Resp: 132161
Ion Ratio Lower Upper
85 100
135 67.7 52.6 79.0





#9

Propene

Concen: 9.454 ppbv

RT: 1.771 min Scan# 51

Delta R.T. 0.291 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

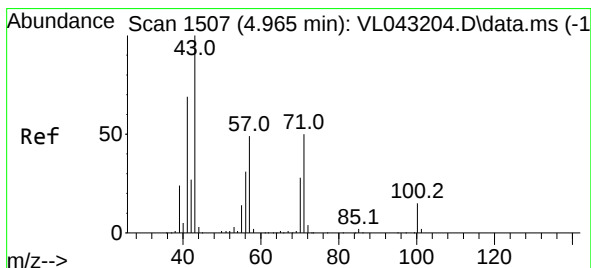
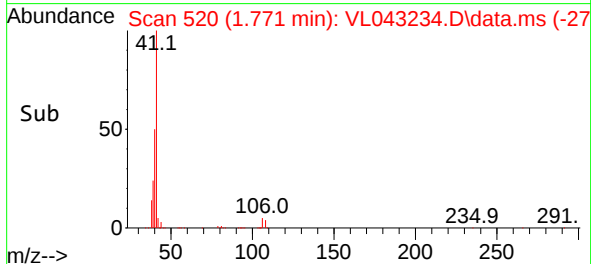
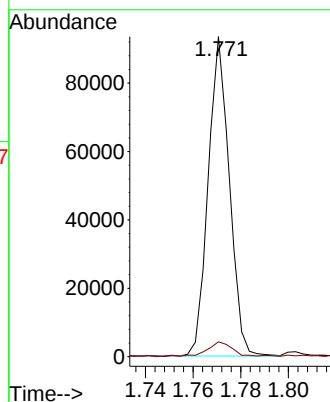
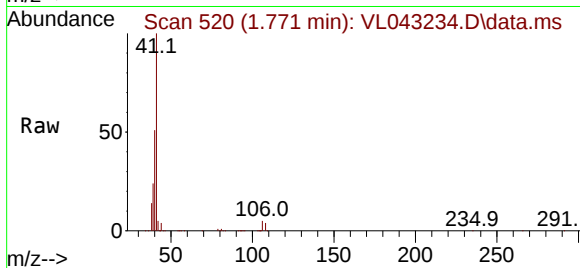
VL1119ABS01

Tgt Ion: 41 Resp: 57666

Ion Ratio Lower Upper

41 100

42 5.3 3.7 5.5



#10

Heptane

Concen: 8.205 ppbv

RT: 4.965 min Scan# 1507

Delta R.T. -0.000 min

Lab File: VL043234.D

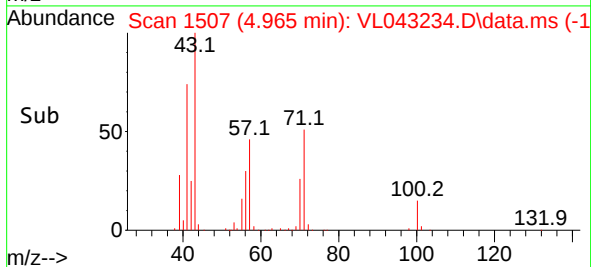
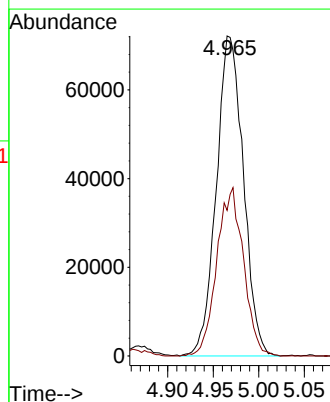
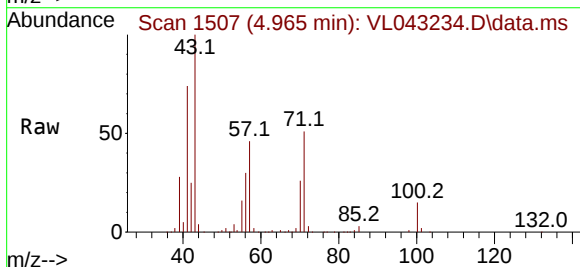
Acq: 19 Nov 2025 11:56

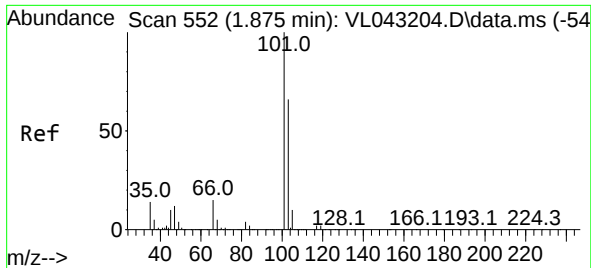
Tgt Ion: 43 Resp: 148958

Ion Ratio Lower Upper

43 100

57 51.9 39.7 59.5

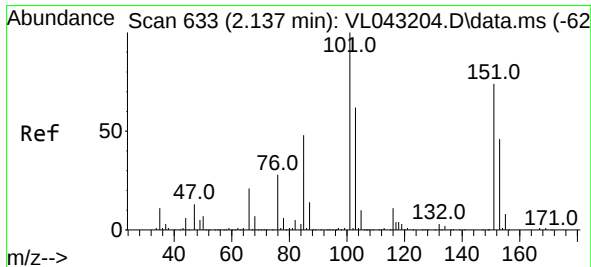
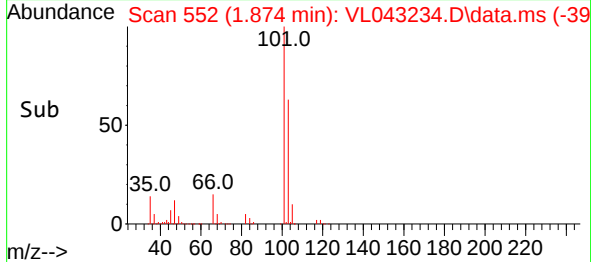
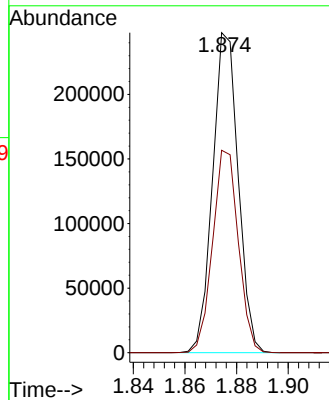
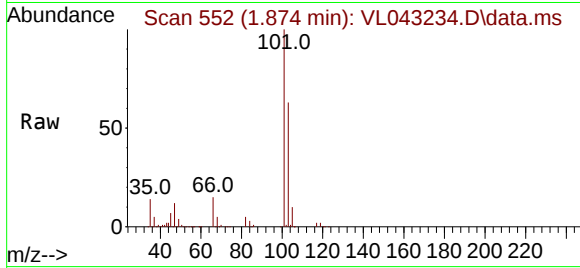




#11
 Trichlorofluoromethane
 Concen: 12.059 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

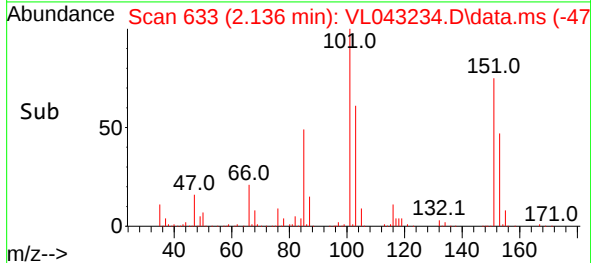
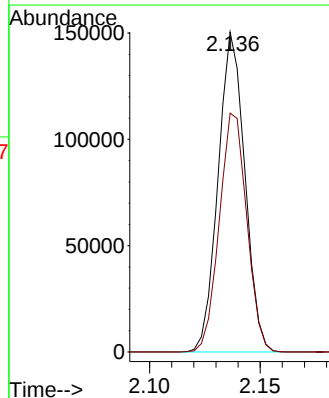
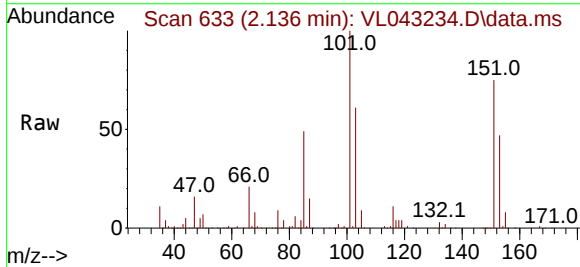
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

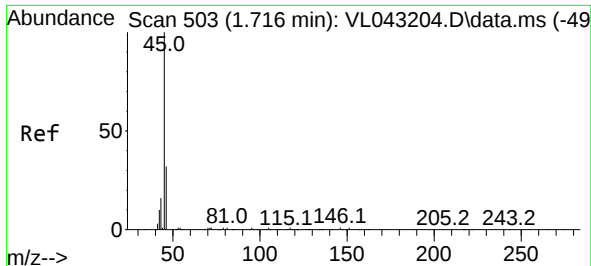
Tgt Ion:101 Resp: 170660
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.431 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

Tgt Ion:101 Resp: 126291
 Ion Ratio Lower Upper
 101 100
 151 76.8 59.2 88.8

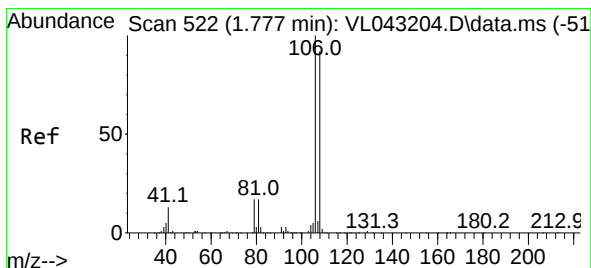
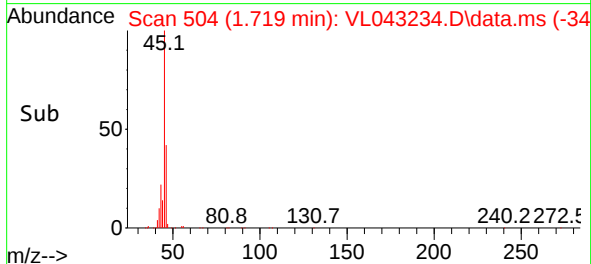
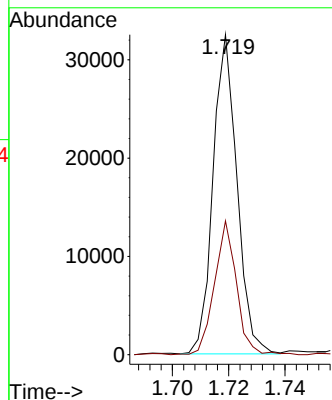
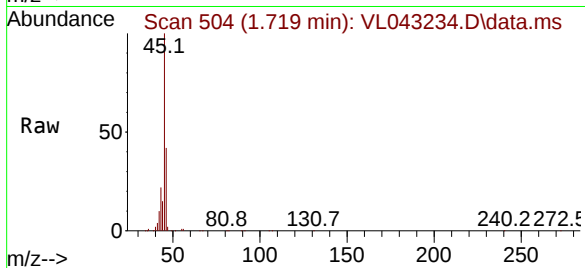




#13
 Ethanol
 Concen: 8.949 ppbv
 RT: 1.719 min Scan# 503
 Delta R.T. 0.003 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

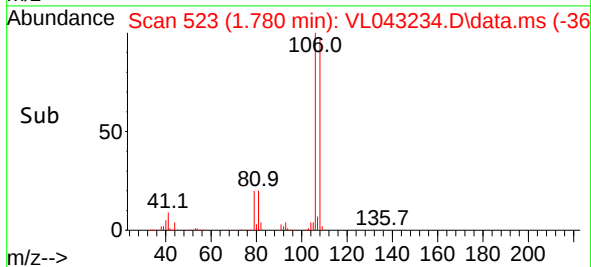
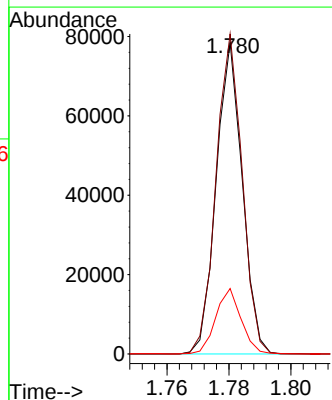
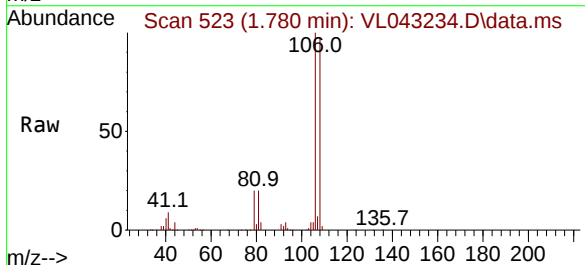
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01

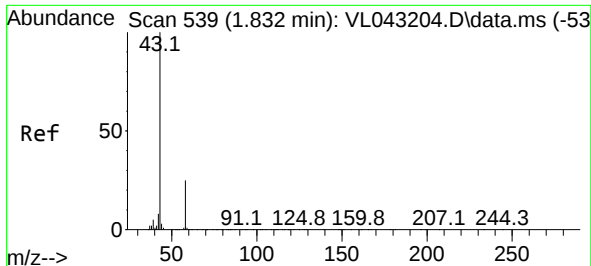
Tgt Ion: 45 Resp: 19195
 Ion Ratio Lower Upper
 45 100
 46 39.1 15.0 59.8



#14
 Bromoethene
 Concen: 10.827 ppbv
 RT: 1.780 min Scan# 523
 Delta R.T. 0.003 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

Tgt Ion: 108 Resp: 45857
 Ion Ratio Lower Upper
 108 100
 106 103.0 88.9 133.3
 79 20.7 16.5 24.7

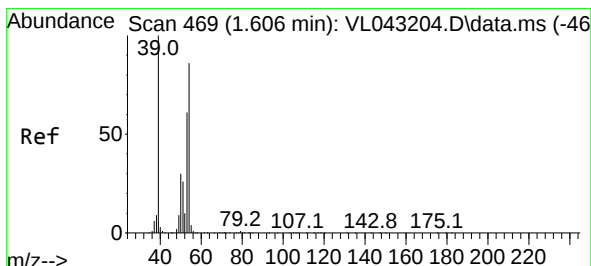
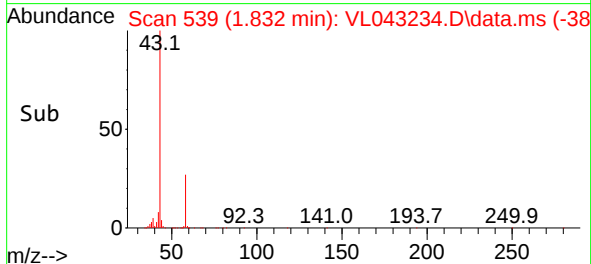
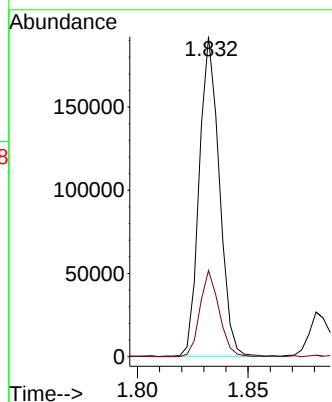
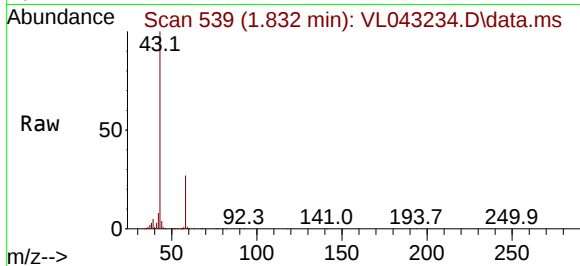




#15
Acetone
Concen: 8.389 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

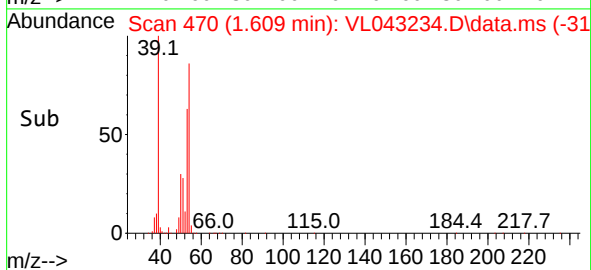
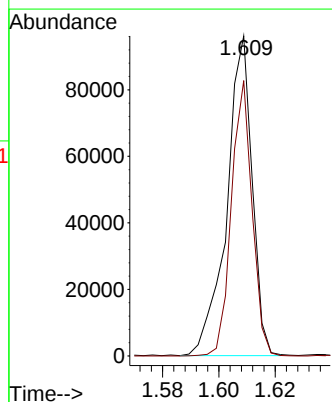
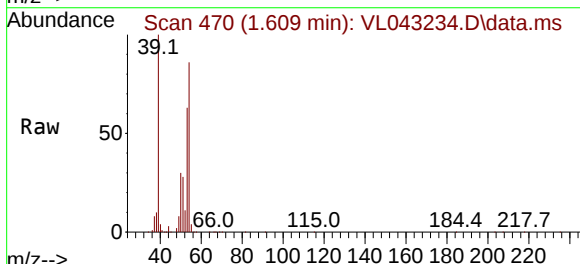
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

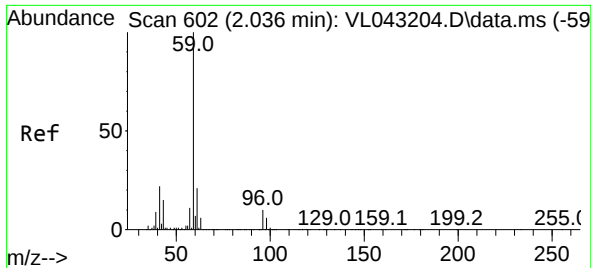
Tgt Ion: 43 Resp: 120708
Ion Ratio Lower Upper
43 100
58 25.9 20.7 31.1



#16
1,3-Butadiene
Concen: 9.371 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 39 Resp: 60112
Ion Ratio Lower Upper
39 100
54 70.2 59.4 89.2





#17

tert-Butyl alcohol

Concen: 10.249 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Instrument :

MSVOA_1

ClientSampleId :

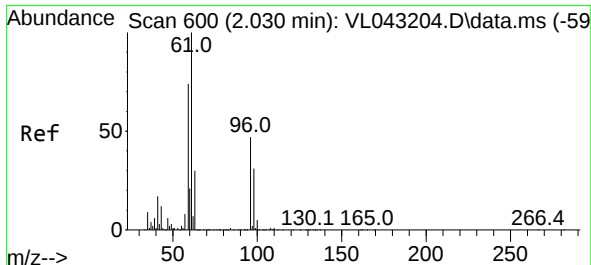
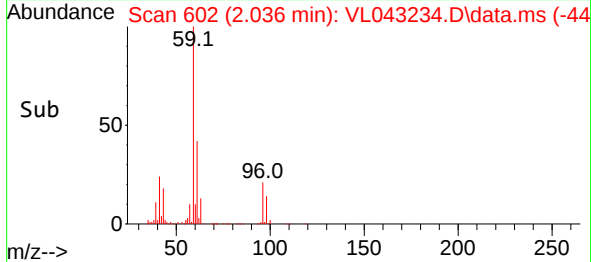
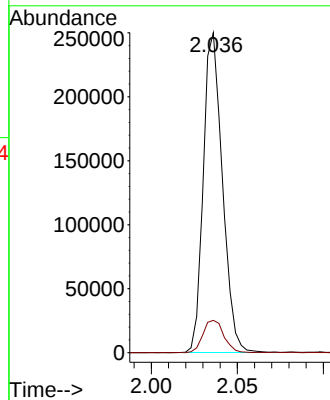
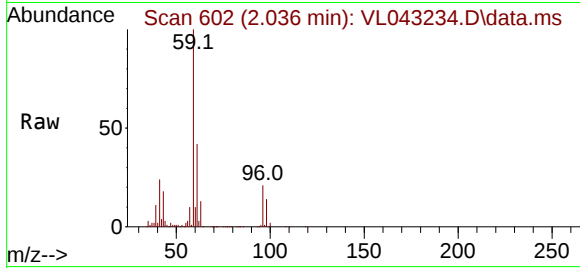
VL1119ABS01

Tgt Ion: 59 Resp: 193565

Ion Ratio Lower Upper

59 100

57 11.4 9.0 13.4



#18

1,1-Dichloroethene

Concen: 10.466 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

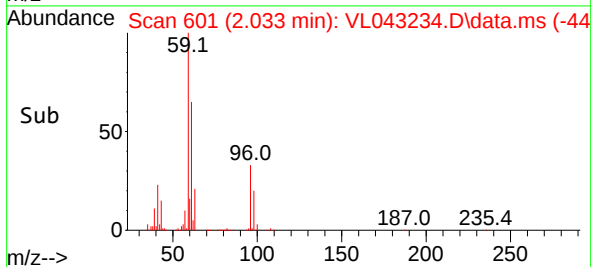
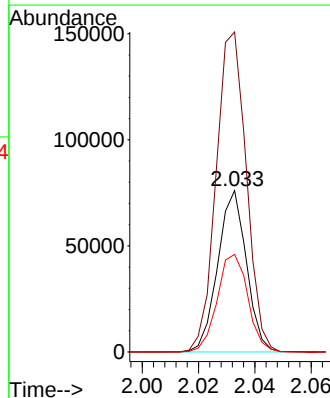
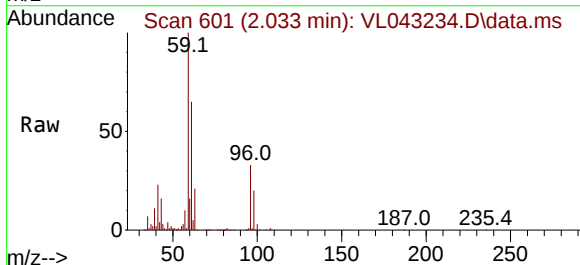
Tgt Ion: 96 Resp: 53841

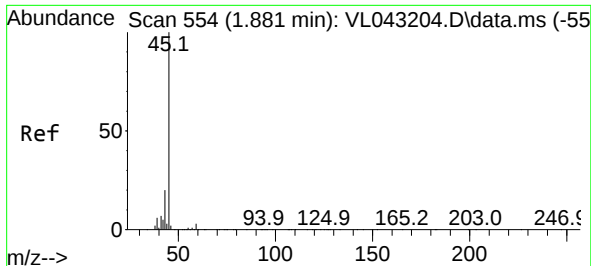
Ion Ratio Lower Upper

96 100

61 198.1 170.6 255.8

98 60.5 52.2 78.4

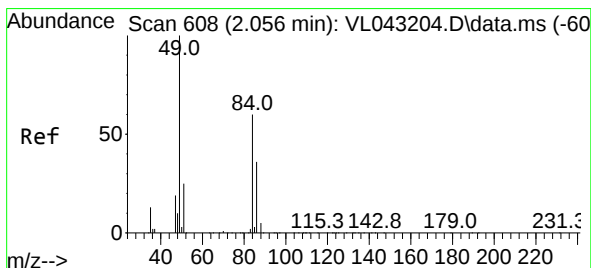
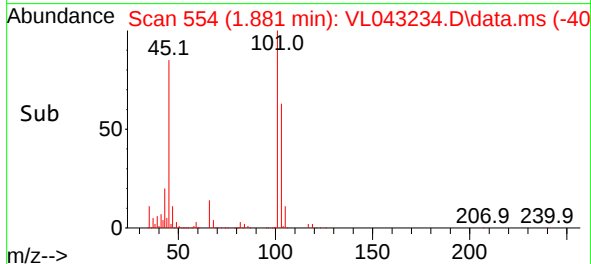
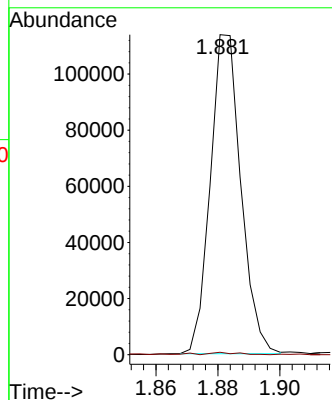
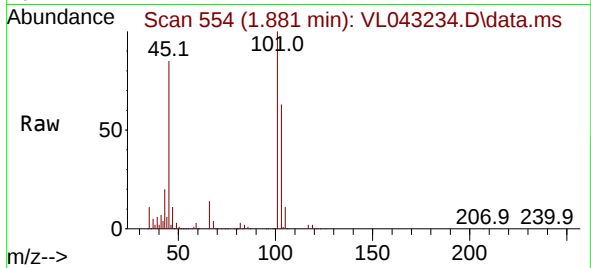




#19
Isopropyl Alcohol
Concen: 9.612 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

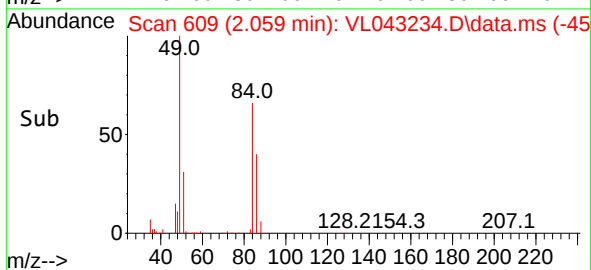
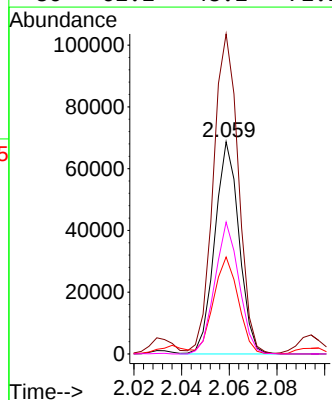
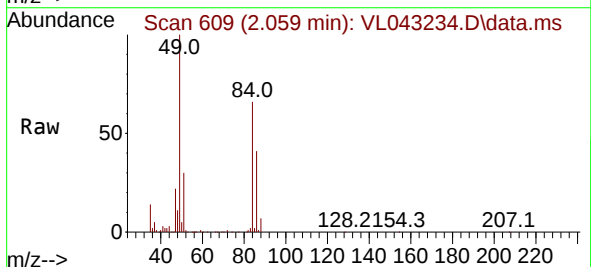
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

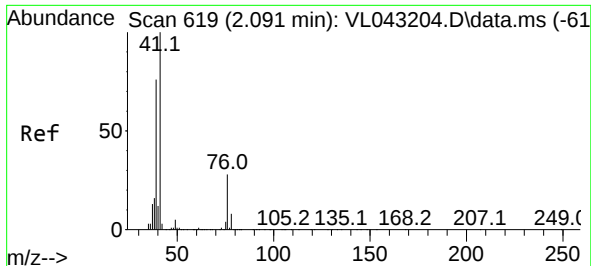
Tgt Ion: 45 Resp: 78152
Ion Ratio Lower Upper
45 100
58 40.1 31.3 46.9



#20
Methylene Chloride
Concen: 11.565 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 84 Resp: 48510
Ion Ratio Lower Upper
84 100
49 150.3 132.9 199.3
51 45.5 34.8 52.2
86 62.2 48.2 72.2

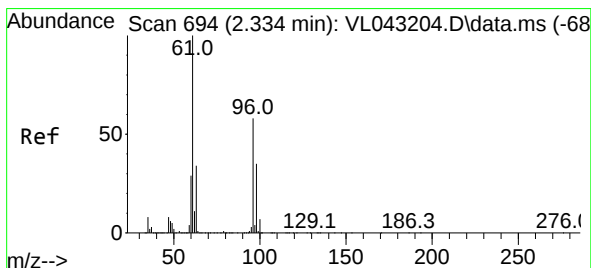
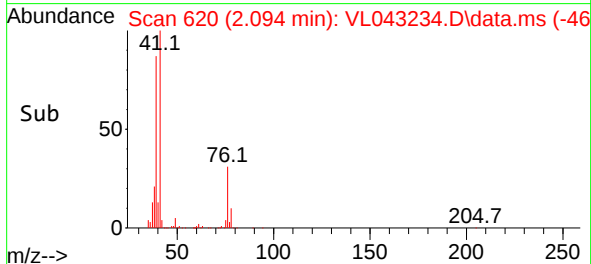
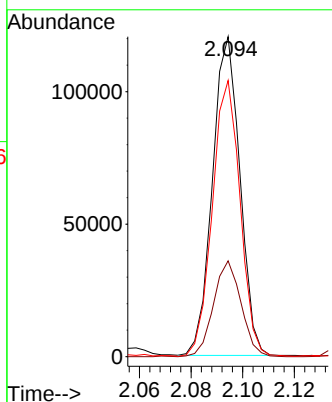
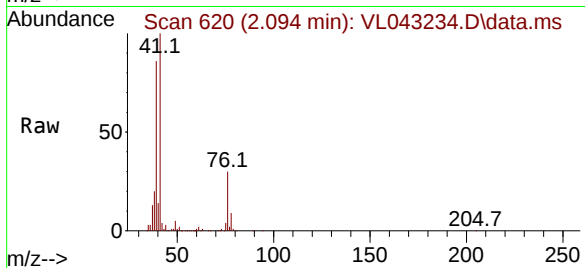




#21
 Allyl Chloride
 Concen: 9.172 ppbv
 RT: 2.094 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

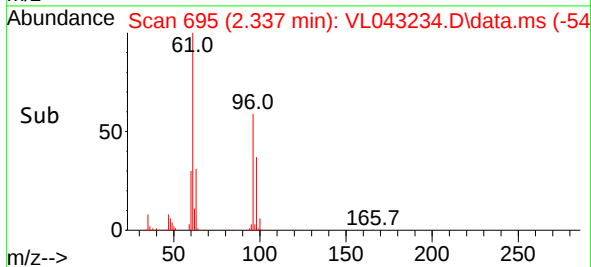
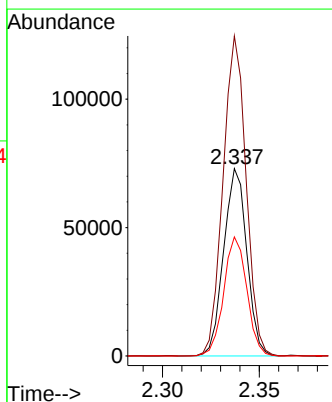
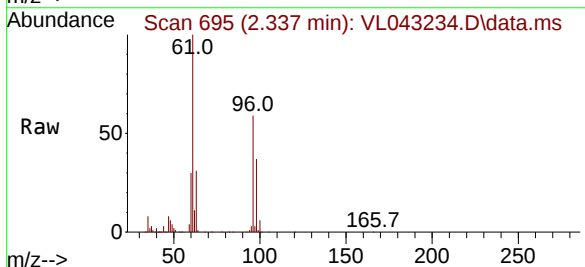
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1119ABS01

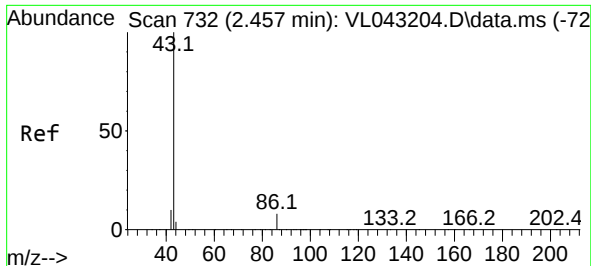
Tgt Ion: 41 Resp: 88786
 Ion Ratio Lower Upper
 41 100
 76 30.3 22.1 33.1
 39 86.8 61.0 91.4



#22
 trans-1,2-Dichloroethene
 Concen: 10.338 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. 0.003 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

Tgt Ion: 96 Resp: 60785
 Ion Ratio Lower Upper
 96 100
 61 170.8 139.0 208.6
 98 63.5 49.4 74.2



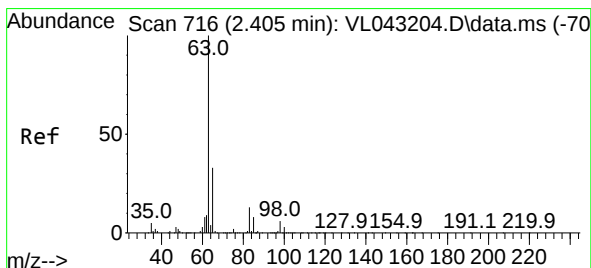
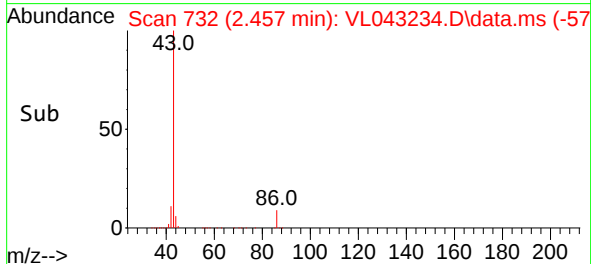
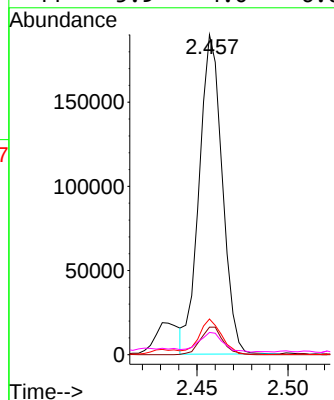
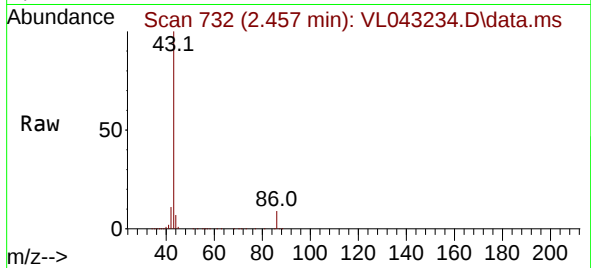


#23
 Vinyl Acetate
 Concen: 9.620 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

Instrument :
 MSVOA_1
 ClientSampleId :
 VL1119ABS01

Tgt Ion: 43 Resp: 167108

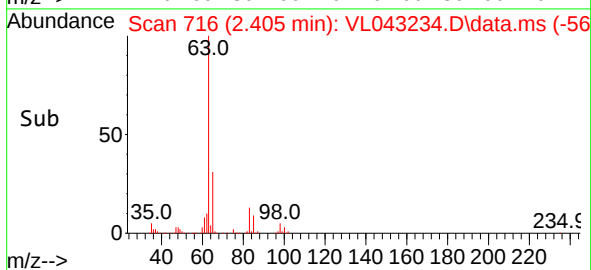
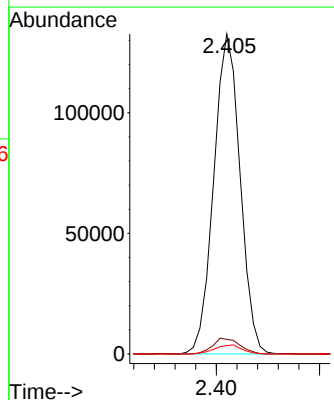
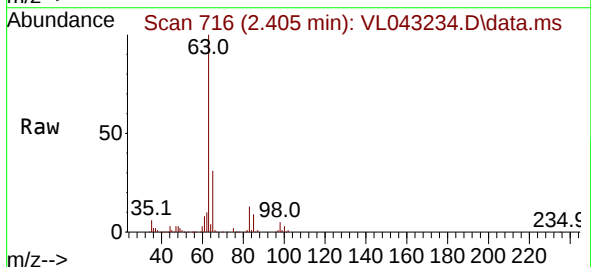
Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.2	9.2
42	11.0	8.0	12.0
44	5.9	4.0	6.0

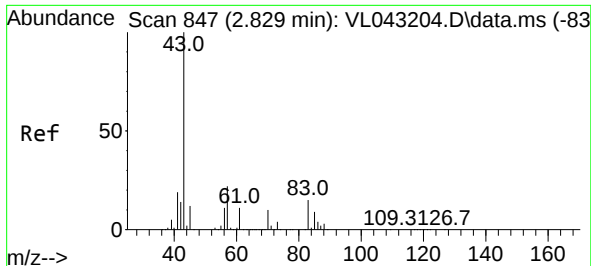


#24
 1,1-Dichloroethane
 Concen: 10.345 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

Tgt Ion: 63 Resp: 117414

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.8	8.4
100	2.6	1.3	3.9



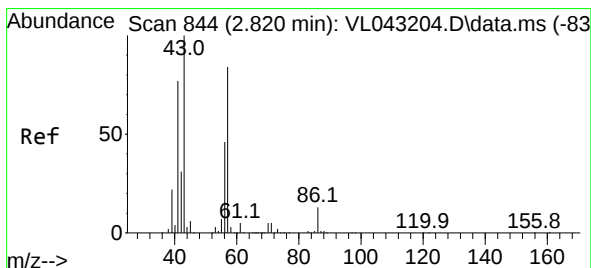
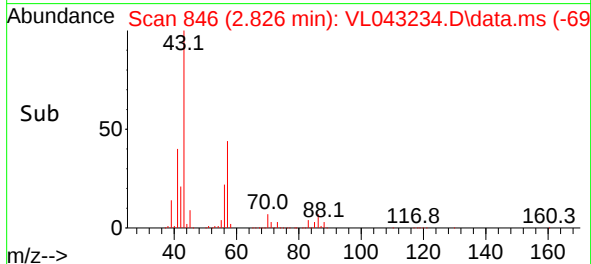
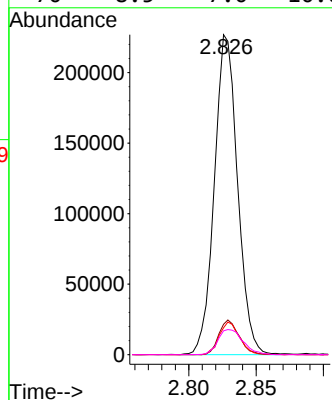
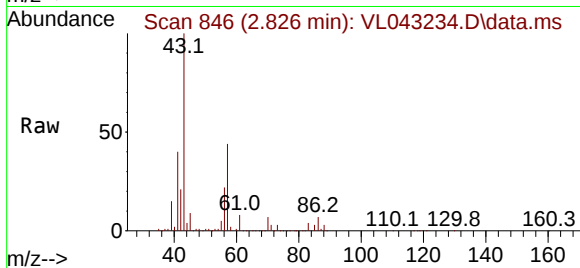


#25
Ethyl Acetate
Concen: 8.761 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.004 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

Tgt Ion: 43 Resp: 271886

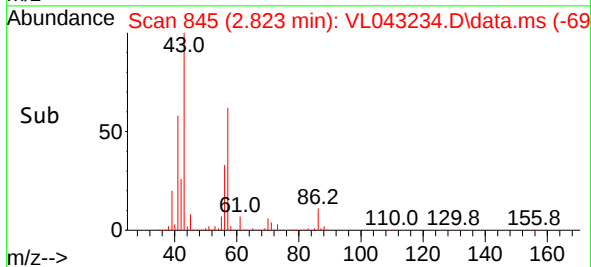
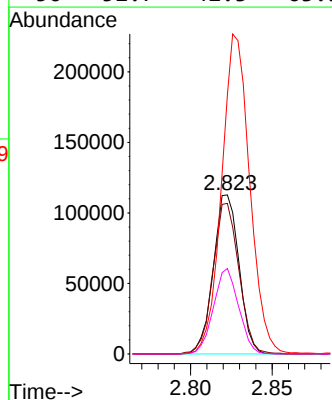
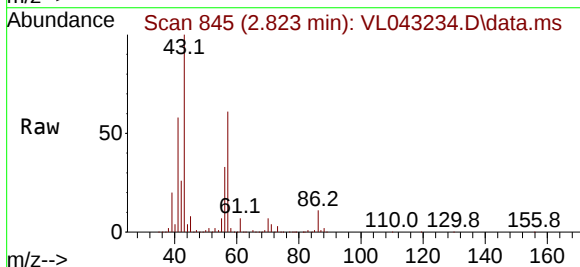
Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.1	12.1
61	9.0	7.0	10.4
70	8.5	7.0	10.6

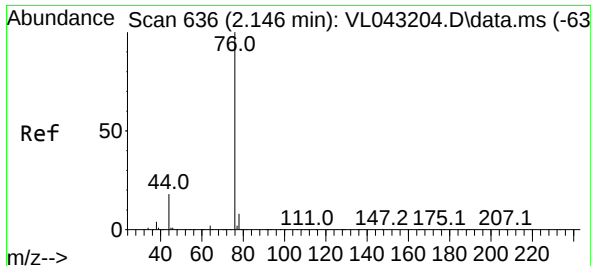


#26
Hexane
Concen: 9.052 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 57 Resp: 123157

Ion	Ratio	Lower	Upper
57	100		
41	96.4	74.6	111.8
43	222.2	179.0	268.4
56	52.7	42.3	63.5

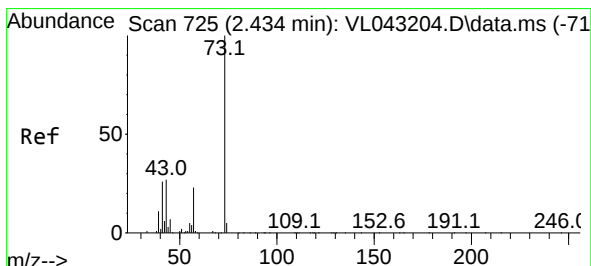
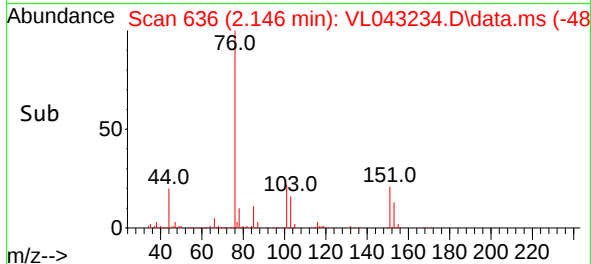
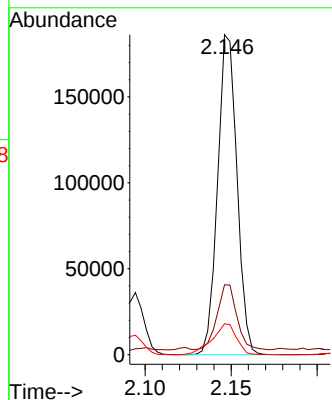
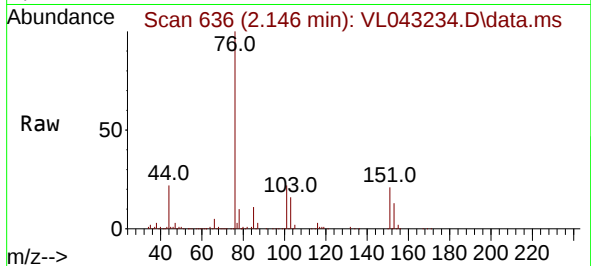




#27
Carbon Disulfide
Concen: 10.510 ppbv
RT: 2.146 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

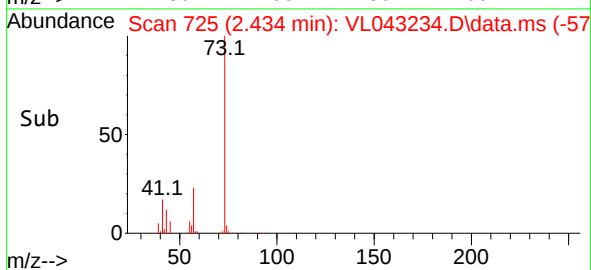
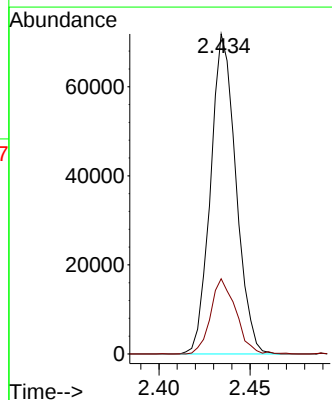
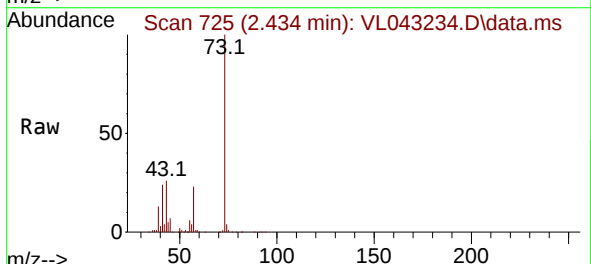
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

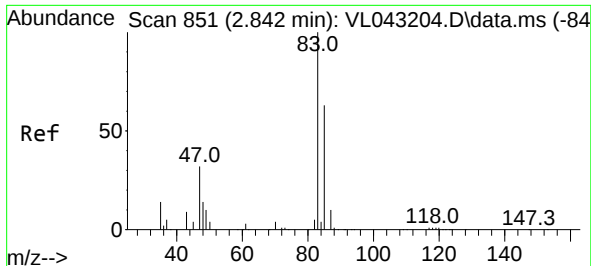
Tgt Ion: 76 Resp: 145985
Ion Ratio Lower Upper
76 100
44 20.3 16.1 24.1
78 12.2 9.6 14.4



#28
Methyl tert-Butyl Ether
Concen: 10.444 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 73 Resp: 69751
Ion Ratio Lower Upper
73 100
57 23.5 19.8 29.8





#29

Chloroform

Concen: 11.130 ppbv

RT: 2.842 min Scan# 851

Delta R.T. -0.000 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

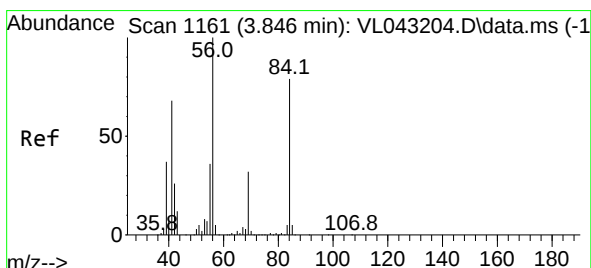
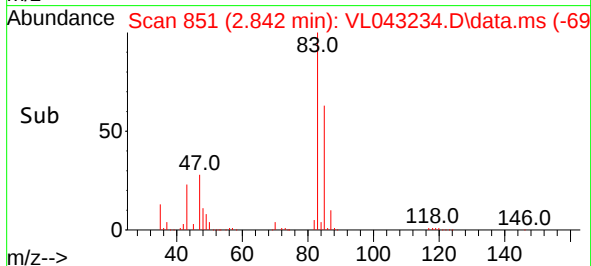
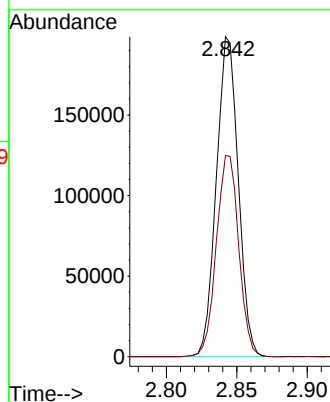
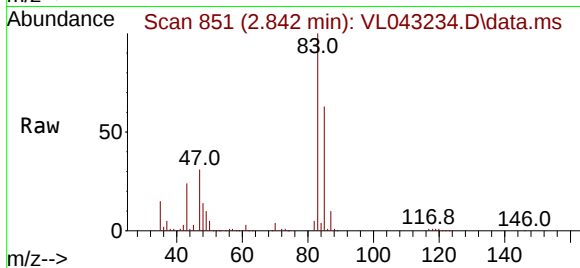
VL1119ABS01

Tgt Ion: 83 Resp: 215242

Ion Ratio Lower Upper

83 100

85 62.9 50.5 75.7



#30

Cyclohexane

Concen: 9.344 ppbv

RT: 3.849 min Scan# 1162

Delta R.T. 0.003 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

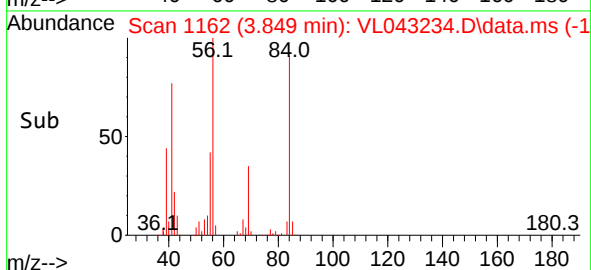
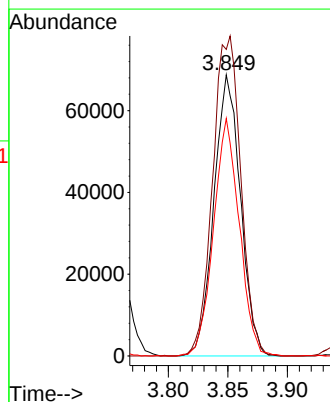
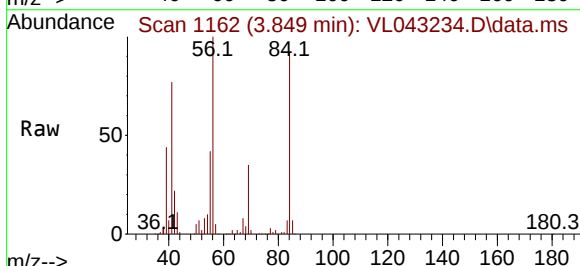
Tgt Ion: 84 Resp: 106579

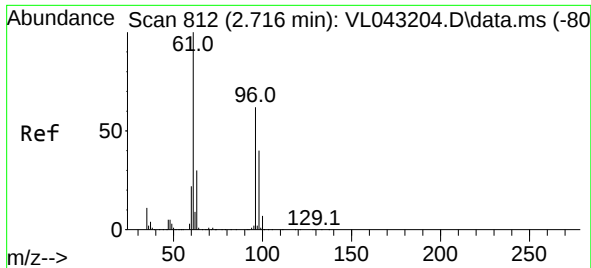
Ion Ratio Lower Upper

84 100

56 120.8 104.7 157.1

41 82.0 69.0 103.6

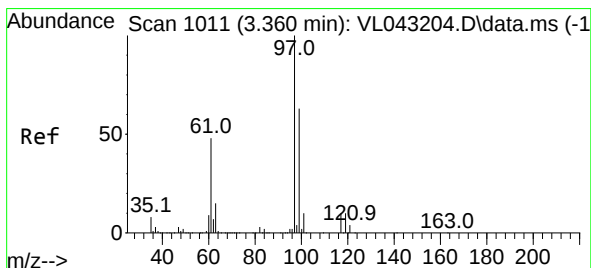
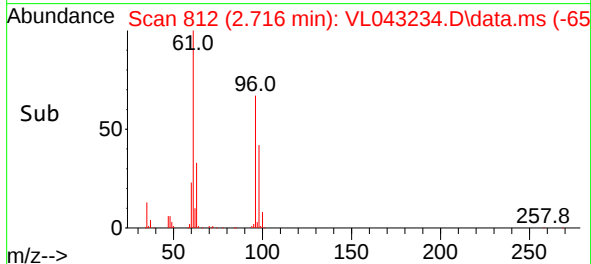
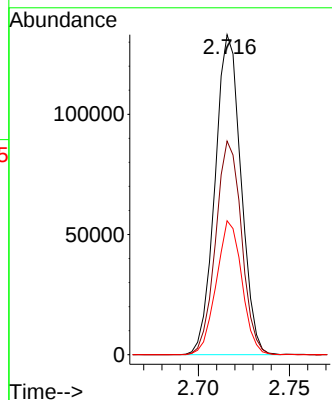
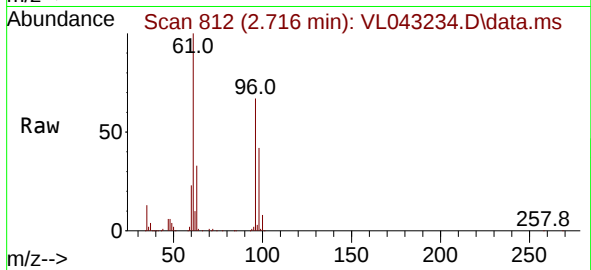




#31
 cis-1,2-Dichloroethene
 Concen: 9.770 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

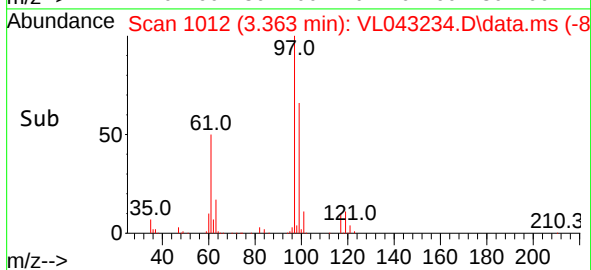
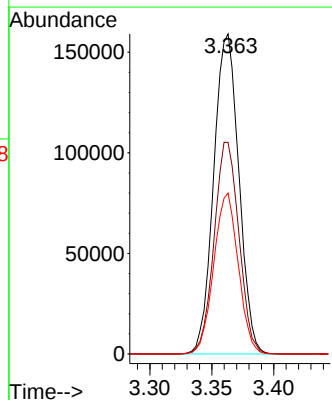
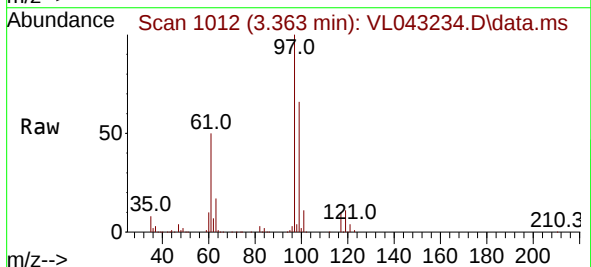
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1119ABS01

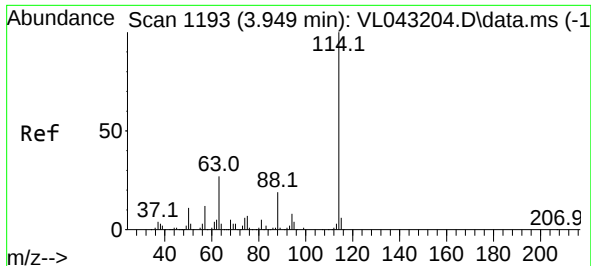
Tgt Ion: 61 Resp: 132120
 Ion Ratio Lower Upper
 61 100
 96 66.8 49.3 73.9
 98 41.9 32.1 48.1



#32
 1,1,1-Trichloroethane
 Concen: 10.934 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.003 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

Tgt Ion: 97 Resp: 225383
 Ion Ratio Lower Upper
 97 100
 99 65.3 50.3 75.5
 61 49.0 38.9 58.3

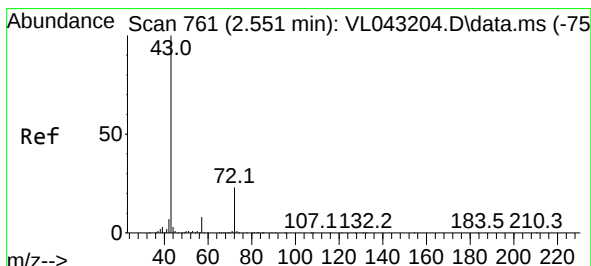
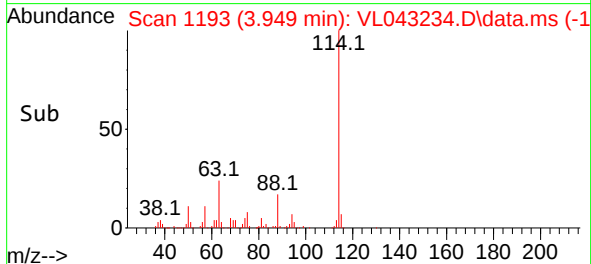
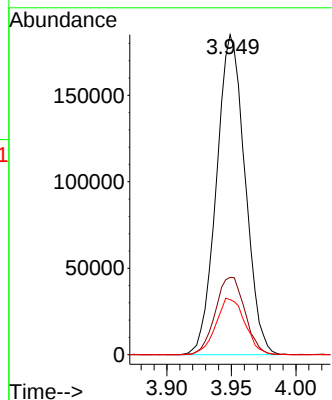
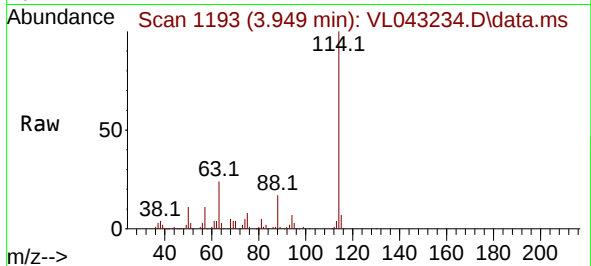




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

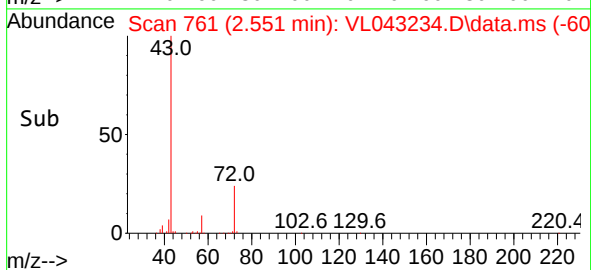
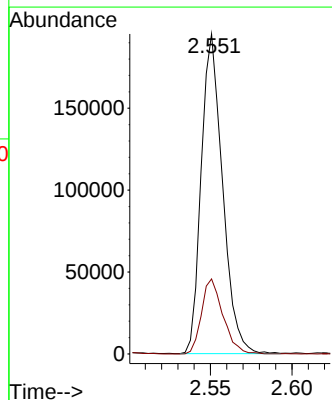
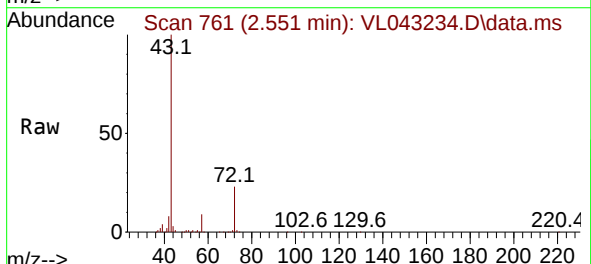
Instrument :
MSVOA_1
ClientSampleId :
VL1119ABS01

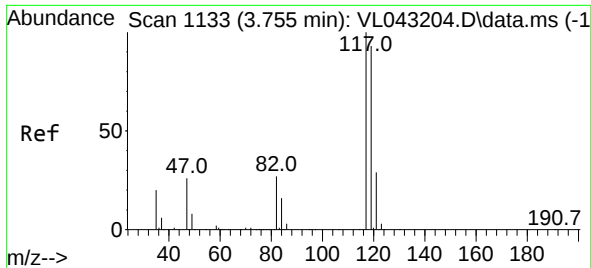
Tgt Ion:114 Resp: 284672
Ion Ratio Lower Upper
114 100
63 25.0 21.0 31.6
88 18.0 14.9 22.3



#34
2-Butanone
Concen: 8.825 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 43 Resp: 177332
Ion Ratio Lower Upper
43 100
72 23.7 18.1 27.1

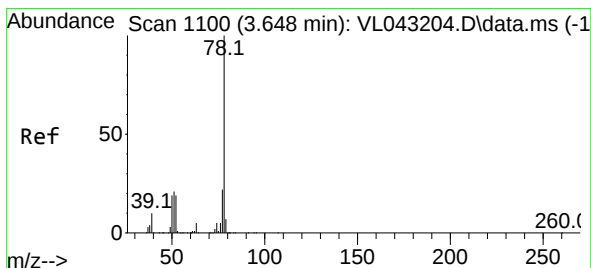
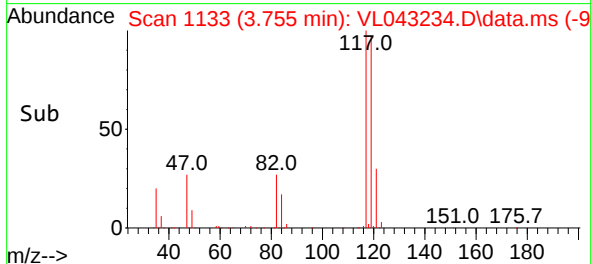
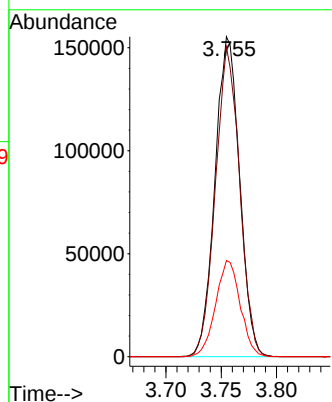
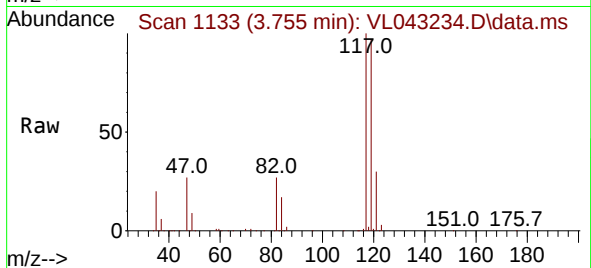




#35
Carbon Tetrachloride
Concen: 11.114 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

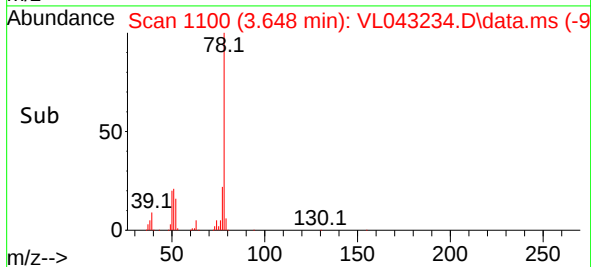
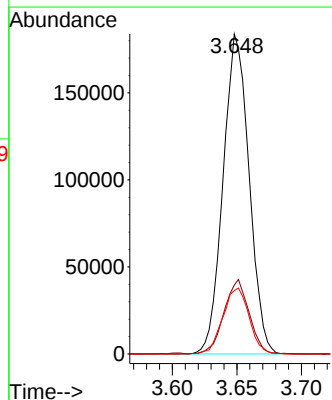
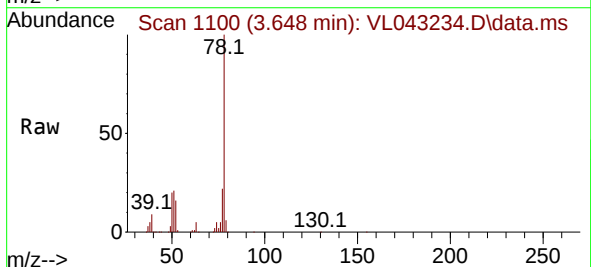
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

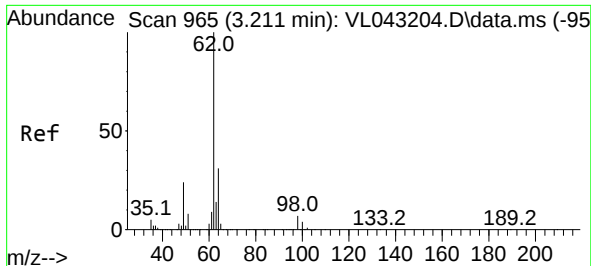
Tgt Ion:117 Resp: 240159
Ion Ratio Lower Upper
117 100
119 96.7 74.6 112.0
121 30.1 23.2 34.8



#36
Benzene
Concen: 9.427 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 78 Resp: 257003
Ion Ratio Lower Upper
78 100
77 21.2 17.5 26.3
50 19.8 15.5 23.3

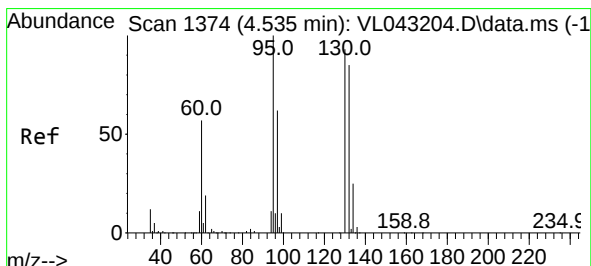
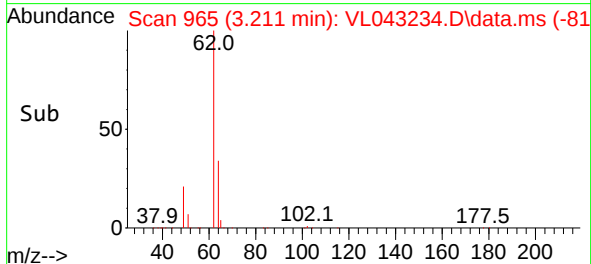
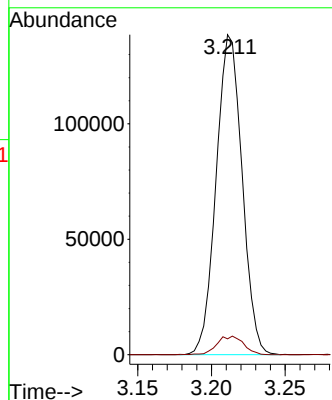
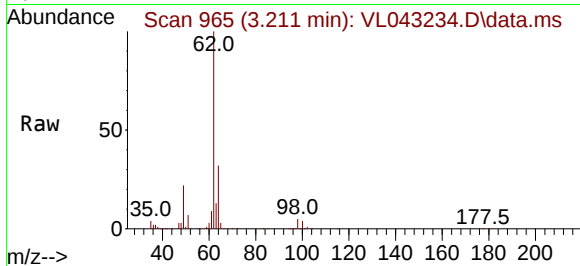




#37
1,2-Dichloroethane
Concen: 10.630 ppbv
RT: 3.211 min Scan# 965
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

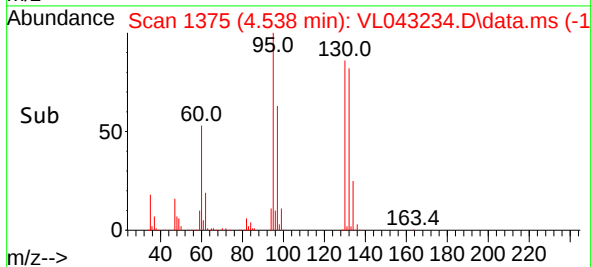
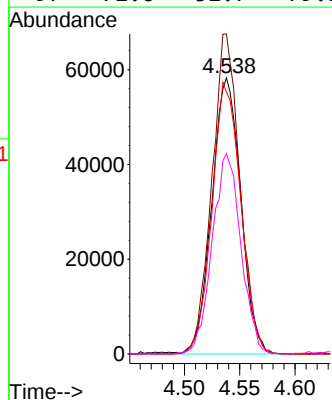
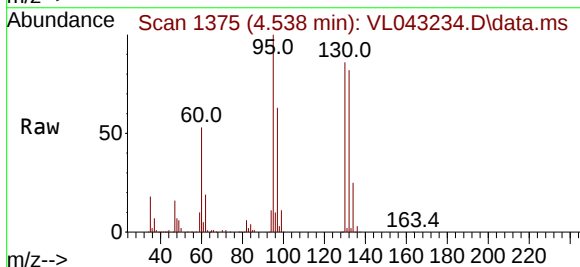
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

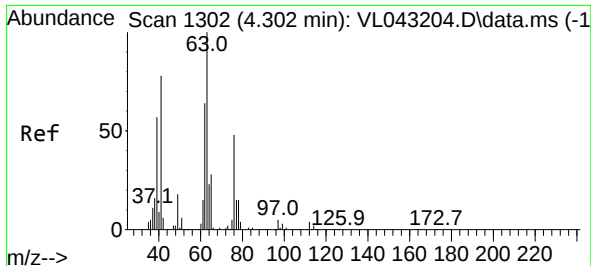
Tgt Ion: 62 Resp: 169512
Ion Ratio Lower Upper
62 100
98 6.0 5.5 8.3



#38
Trichloroethene
Concen: 9.965 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion:130 Resp: 106290
Ion Ratio Lower Upper
130 100
95 115.8 85.7 128.5
132 94.9 73.4 110.0
97 72.6 52.7 79.1





#39

1,2-Dichloropropane

Concen: 9.228 ppbv

RT: 4.305 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

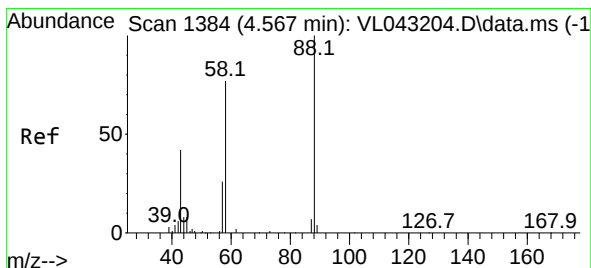
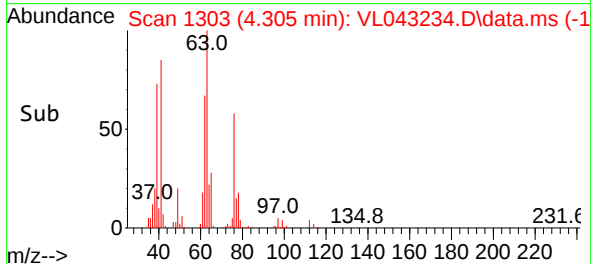
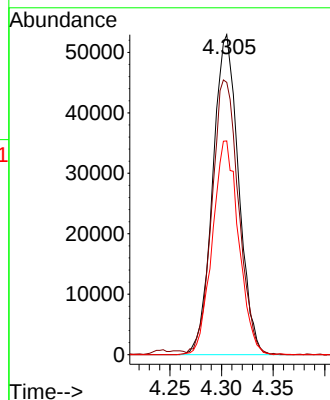
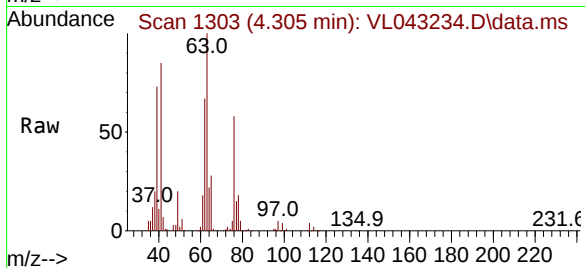
Tgt Ion: 63 Resp: 92079

Ion Ratio Lower Upper

63 100

41 84.8 62.6 93.8

62 66.6 51.0 76.6



#40

1,4-Dioxane

Concen: 5.015 ppbv

RT: 4.564 min Scan# 1383

Delta R.T. -0.004 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Tgt Ion: 88 Resp: 22493

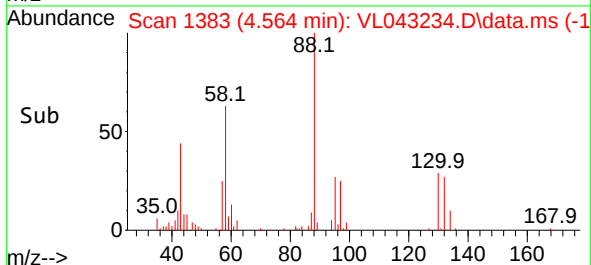
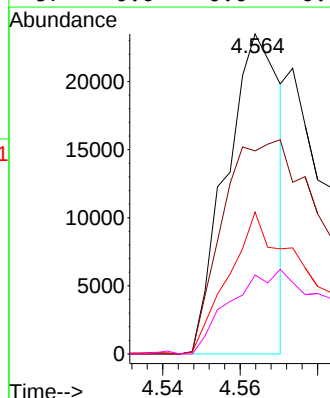
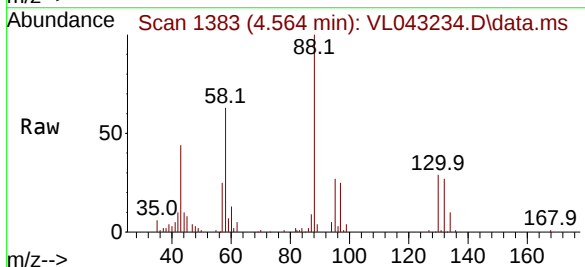
Ion Ratio Lower Upper

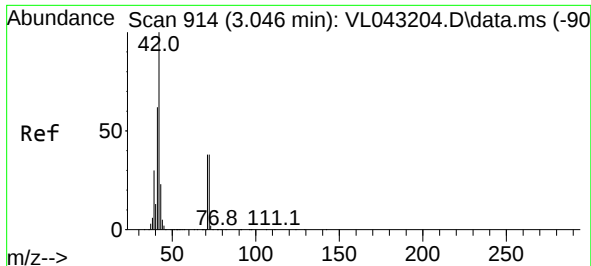
88 100

58 0.0 63.0 94.6#

43 69.5 32.5 48.7#

57 0.0 0.0 0.0

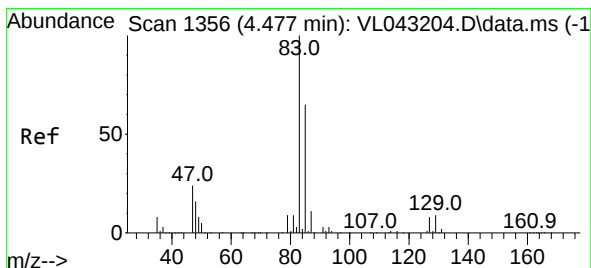
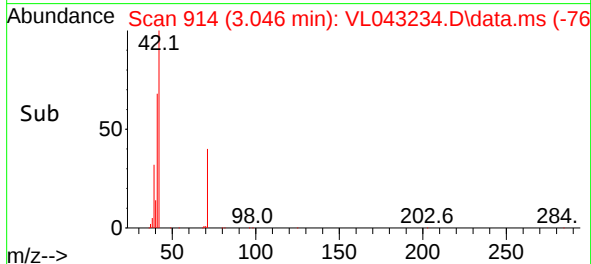
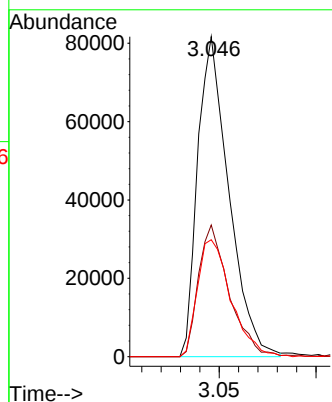
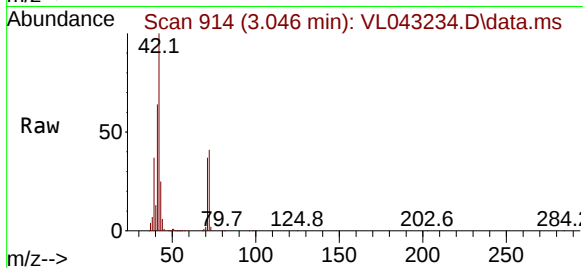




#41
Tetrahydrofuran
Concen: 8.252 ppbv
RT: 3.046 min Scan# 914
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

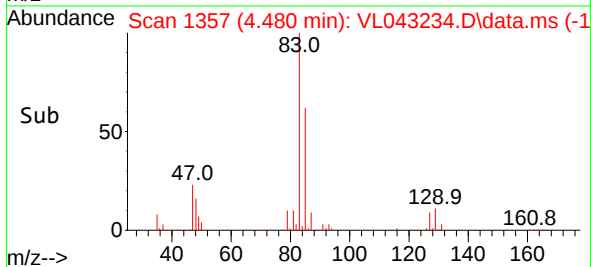
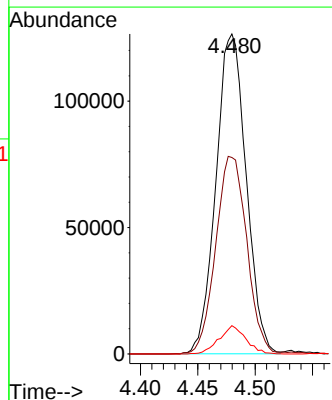
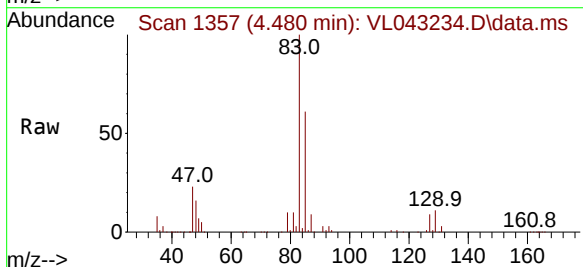
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

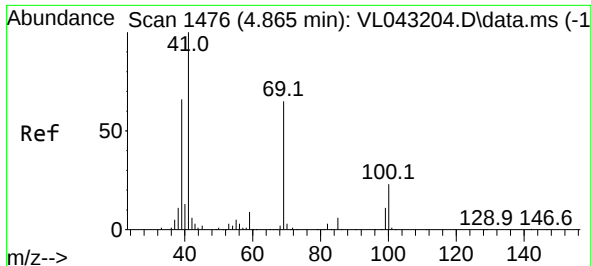
Tgt Ion: 42 Resp: 91575
Ion Ratio Lower Upper
42 100
72 40.6 30.6 46.0
71 39.4 30.5 45.7



#42
Bromodichloromethane
Concen: 10.535 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 83 Resp: 231745
Ion Ratio Lower Upper
83 100
85 61.4 51.7 77.5
127 8.9 6.3 9.5

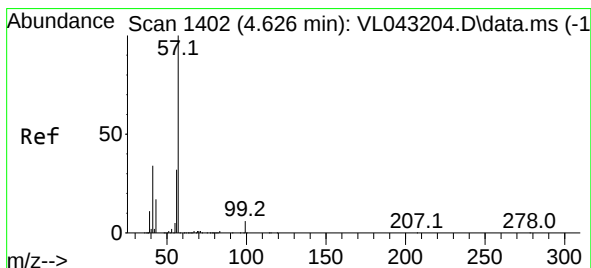
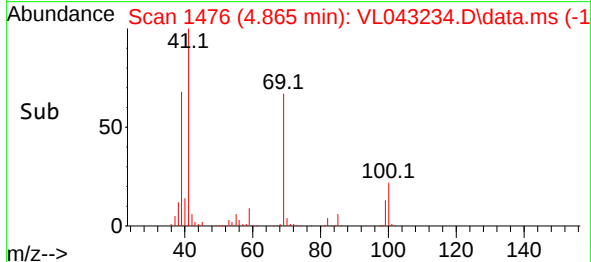
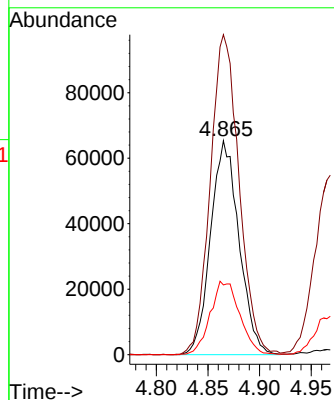
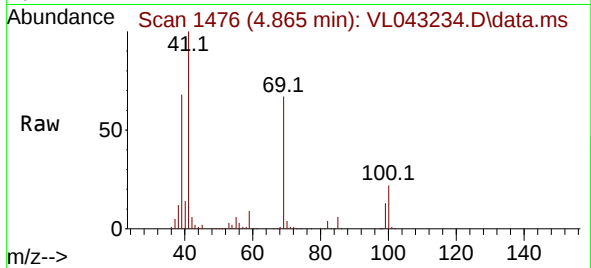




#43
Methyl Methacrylate
Concen: 8.645 ppbv
RT: 4.865 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

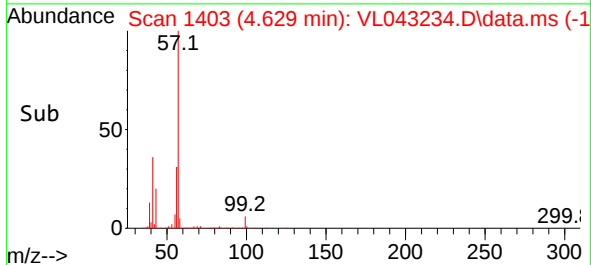
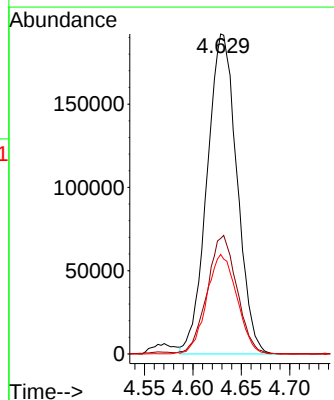
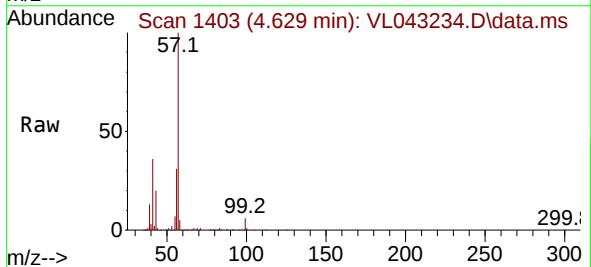
Instrument :
MSVOA_1
ClientSampleId :
VL1119ABS01

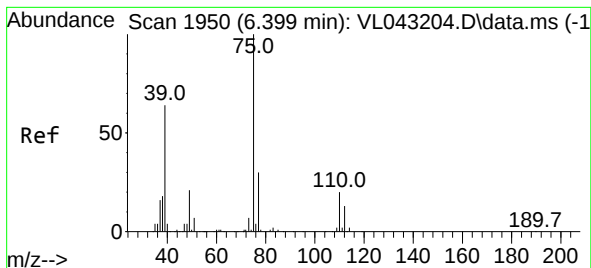
Tgt Ion: 69 Resp: 125100
Ion Ratio Lower Upper
69 100
41 151.3 126.7 190.1
100 35.6 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 8.817 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 57 Resp: 412813
Ion Ratio Lower Upper
57 100
41 37.5 28.0 42.0
56 31.6 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 9.039 ppbv

RT: 6.399 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

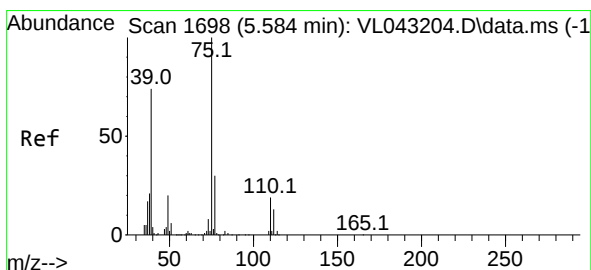
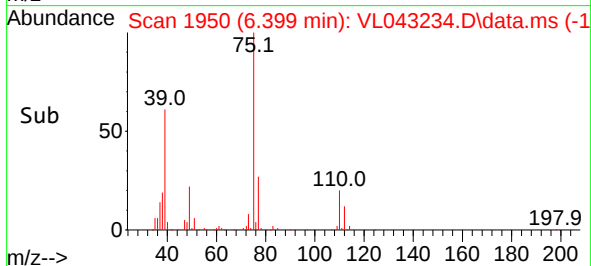
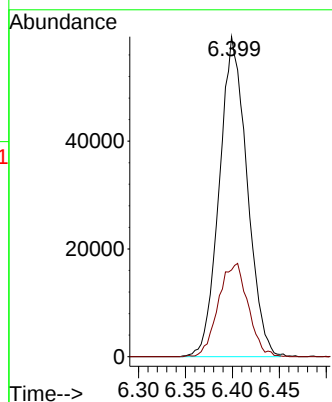
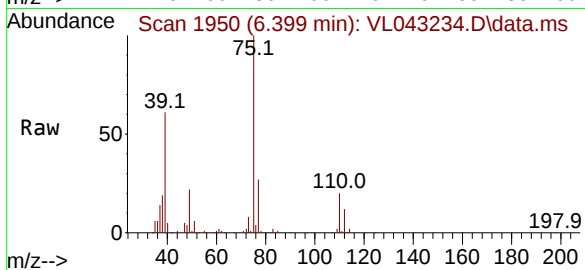
VL1119ABS01

Tgt Ion: 75 Resp: 121926

Ion Ratio Lower Upper

75 100

77 27.1 24.3 36.5



#46

cis-1,3-Dichloropropene

Concen: 8.987 ppbv

RT: 5.587 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

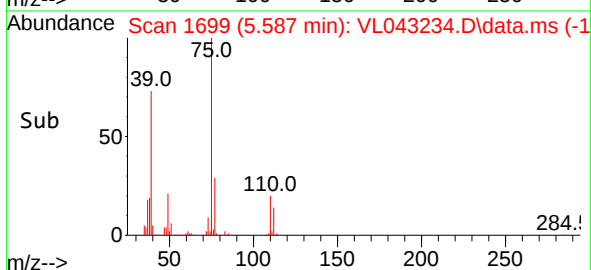
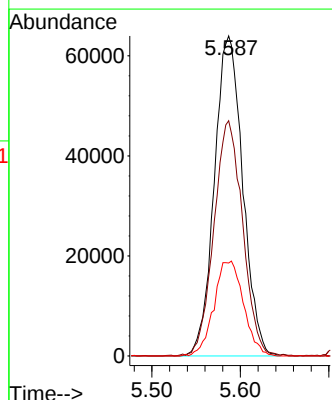
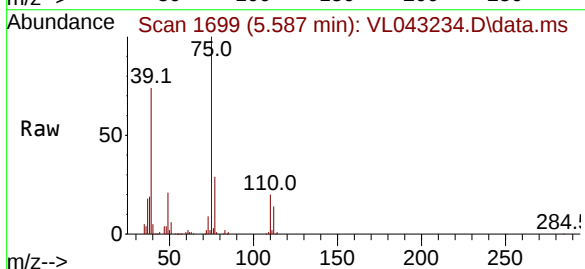
Tgt Ion: 75 Resp: 142340

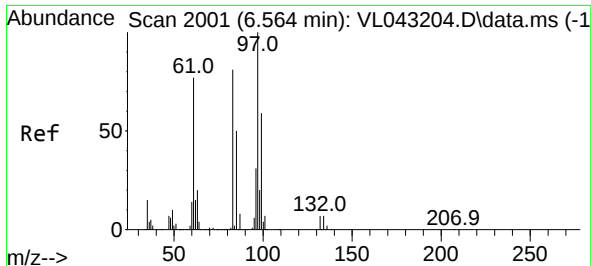
Ion Ratio Lower Upper

75 100

39 73.3 59.1 88.7

77 29.0 24.2 36.2





#47

1,1,2-Trichloroethane

Concen: 9.749 ppbv

RT: 6.567 min Scan# 2001

Delta R.T. 0.003 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

Tgt Ion: 97 Resp: 103237

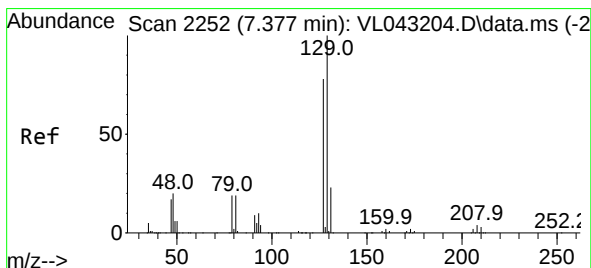
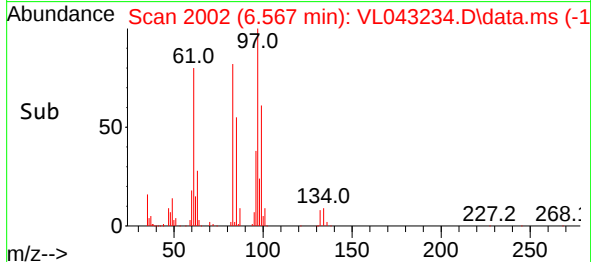
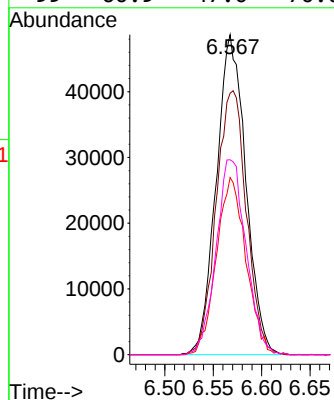
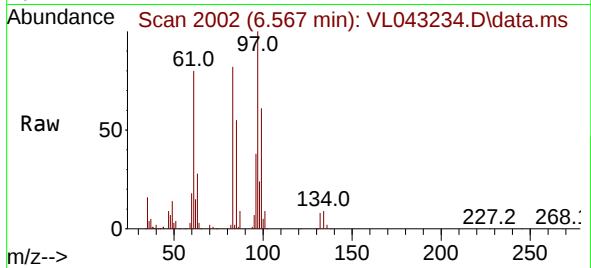
Ion Ratio Lower Upper

97 100

83 81.7 64.6 97.0

85 55.3 39.4 59.2

99 60.9 47.0 70.6



#48

Dibromochloromethane

Concen: 10.799 ppbv

RT: 7.377 min Scan# 2252

Delta R.T. -0.000 min

Lab File: VL043234.D

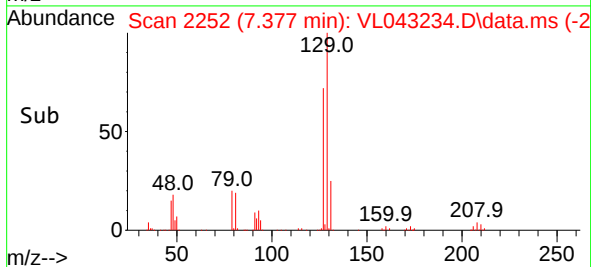
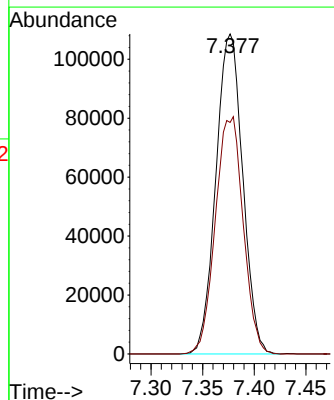
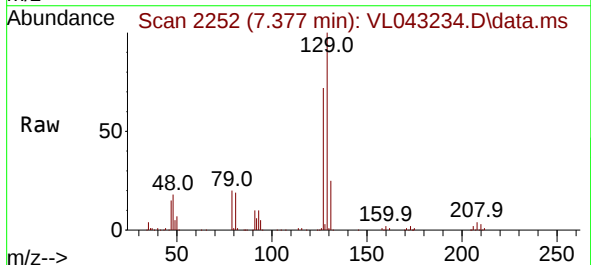
Acq: 19 Nov 2025 11:56

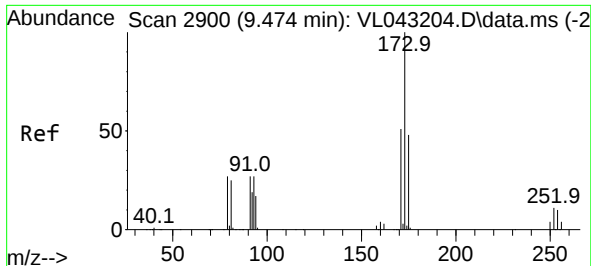
Tgt Ion: 129 Resp: 196614

Ion Ratio Lower Upper

129 100

127 76.8 39.3 117.9

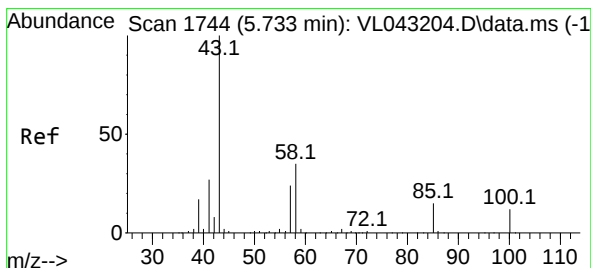
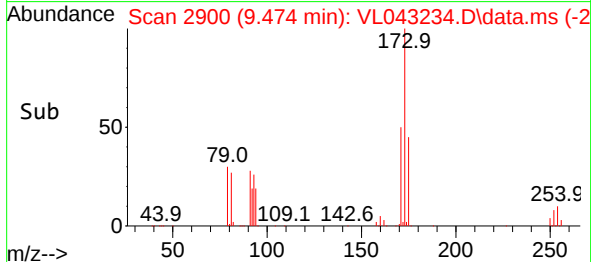
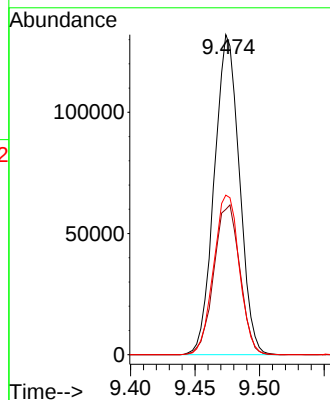
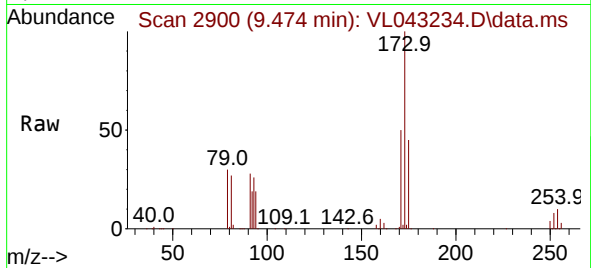




#49
Bromoform
Concen: 11.069 ppbv
RT: 9.474 min Scan# 2900
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

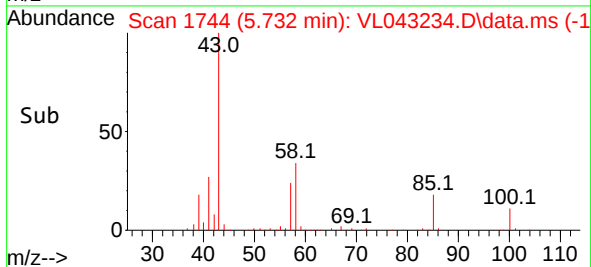
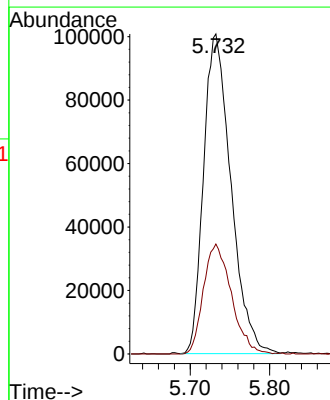
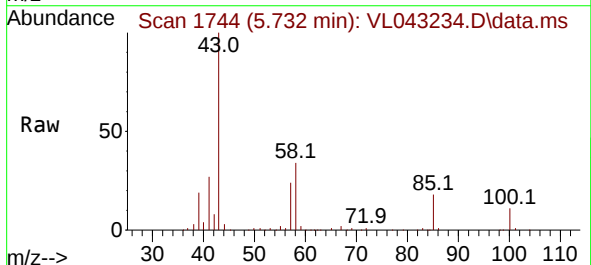
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

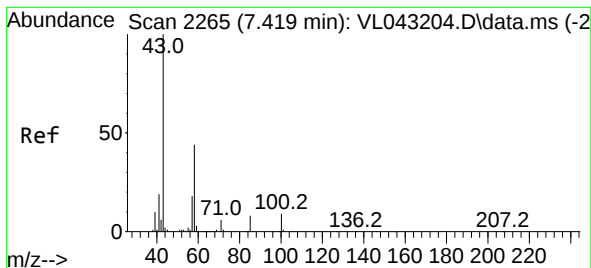
Tgt Ion:173 Resp: 178495
Ion Ratio Lower Upper
173 100
175 48.5 38.6 58.0
171 51.2 40.6 61.0



#50
4-Methyl-2-Pentanone
Concen: 8.526 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 43 Resp: 241341
Ion Ratio Lower Upper
43 100
58 35.1 28.4 42.6





#51

2-Hexanone

Concen: 8.375 ppbv

RT: 7.422 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

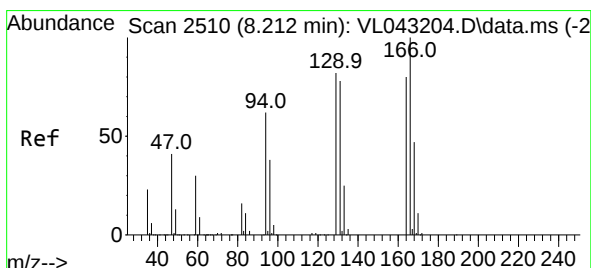
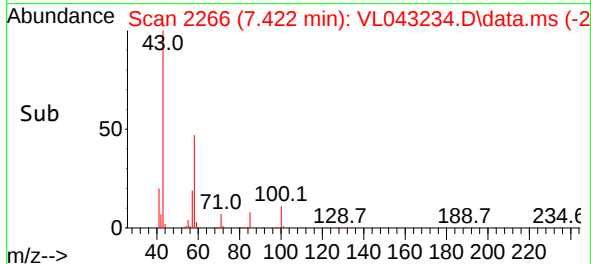
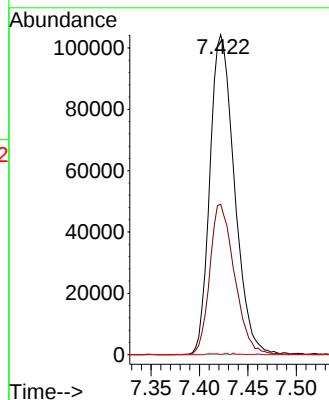
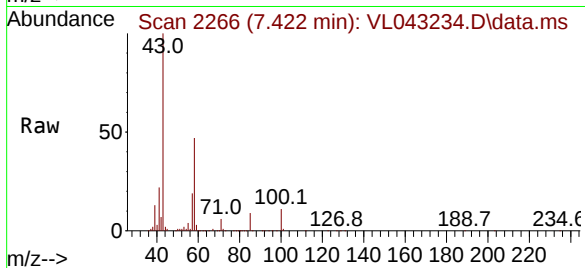
Tgt Ion: 43 Resp: 184090

Ion Ratio Lower Upper

43 100

58 47.5 38.4 57.6

98 0.2 0.0 0.0#



#52

Tetrachloroethene

Concen: 9.913 ppbv

RT: 8.215 min Scan# 2511

Delta R.T. 0.003 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Tgt Ion:164 Resp: 100528

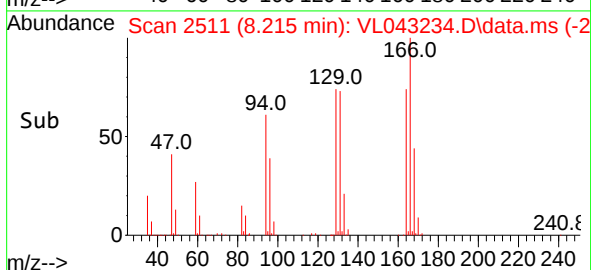
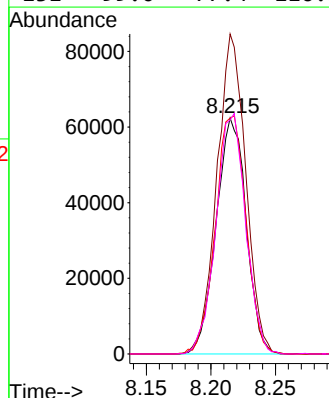
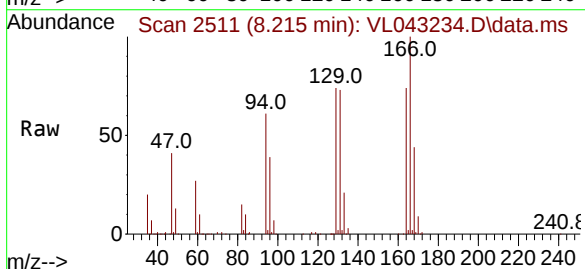
Ion Ratio Lower Upper

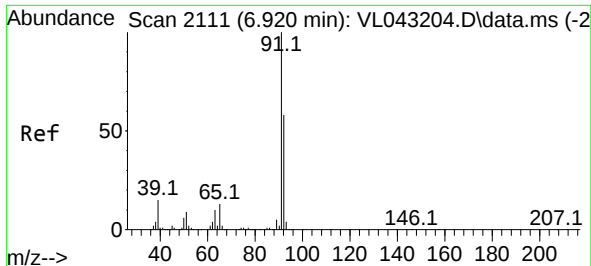
164 100

166 135.5 99.4 149.2

129 99.6 81.8 122.8

131 99.0 77.4 116.2

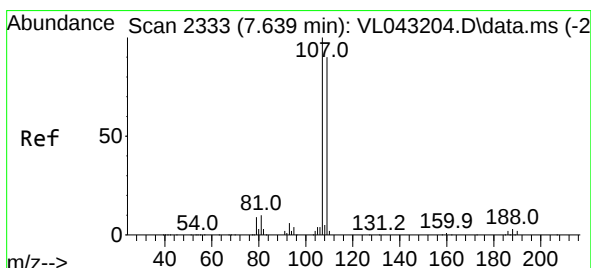
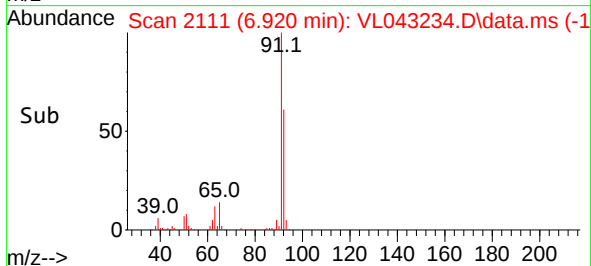
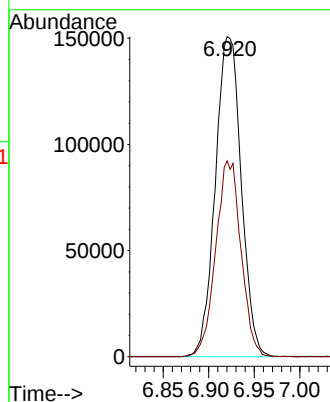
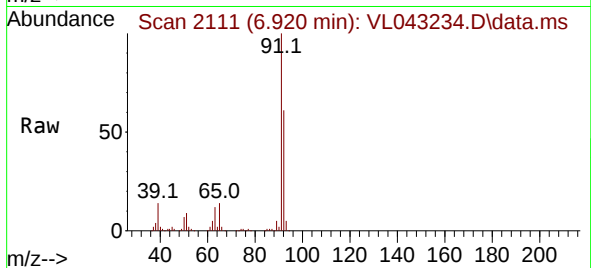




#53
Toluene
Concen: 9.253 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

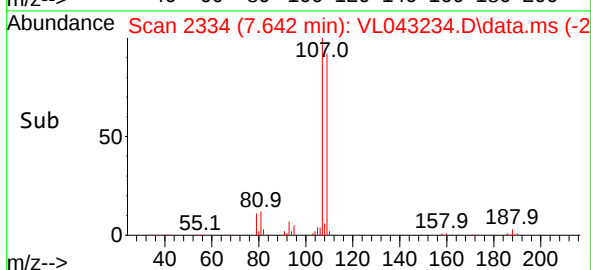
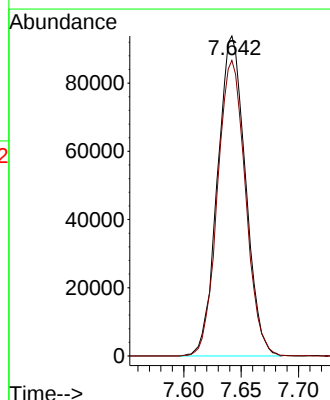
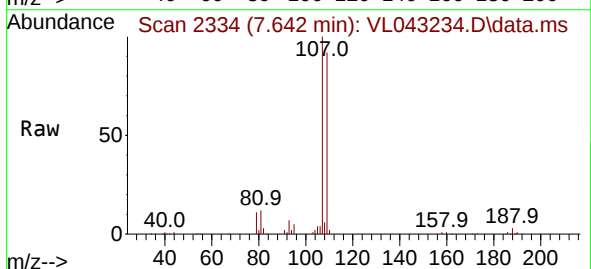
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

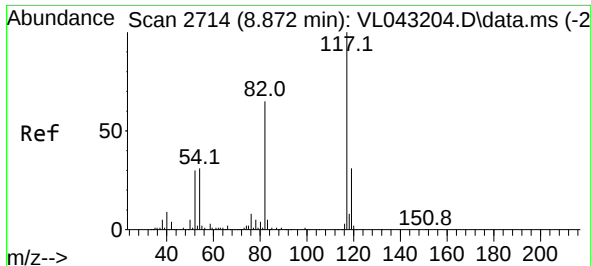
Tgt Ion: 91 Resp: 298695
Ion Ratio Lower Upper
91 100
92 59.6 47.4 71.0



#54
1,2-Dibromoethane
Concen: 10.196 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 107 Resp: 158882
Ion Ratio Lower Upper
107 100
109 92.3 72.1 108.1

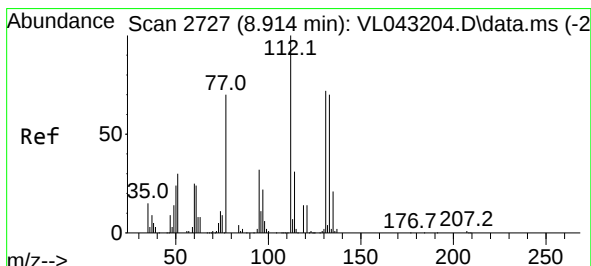
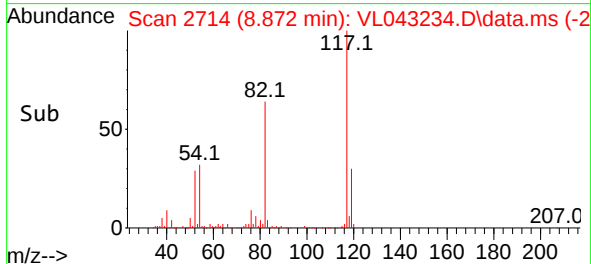
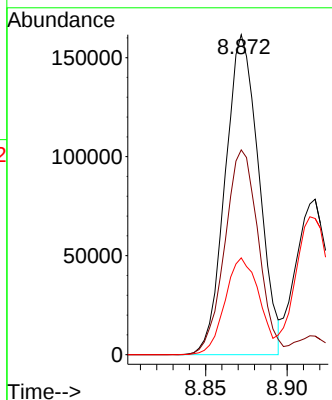
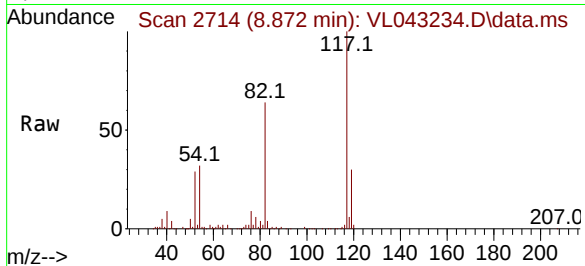




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

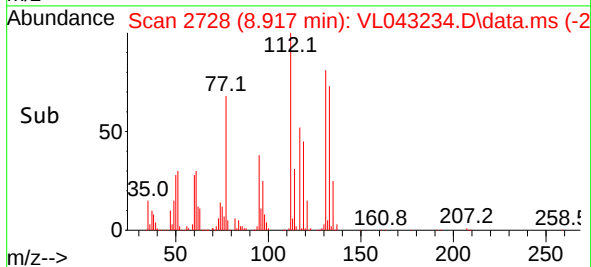
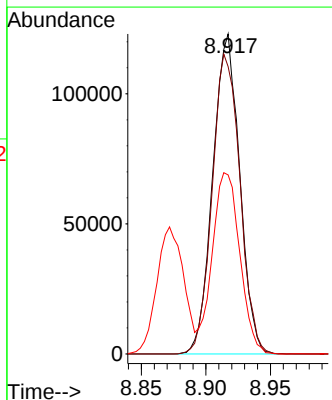
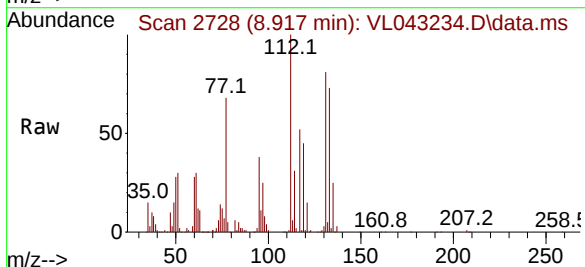
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

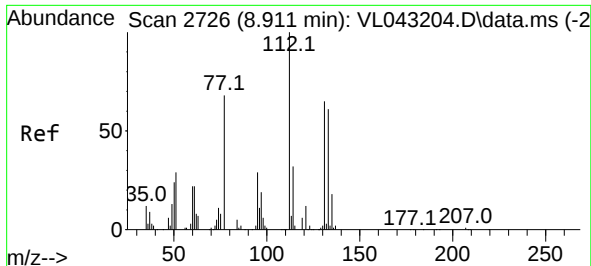
Tgt Ion:117 Resp: 231008
Ion Ratio Lower Upper
117 100
82 69.9 56.1 84.1
119 31.6 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 10.493 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion:131 Resp: 178150
Ion Ratio Lower Upper
131 100
133 96.9 77.4 116.2
119 58.5 49.1 73.7

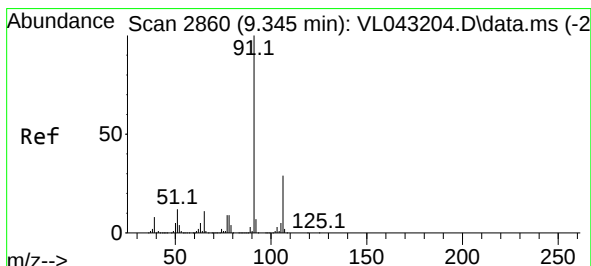
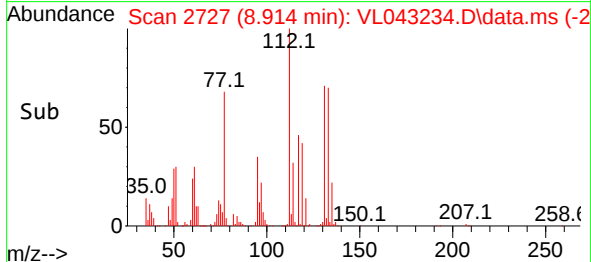
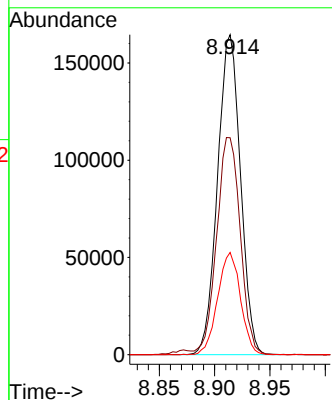
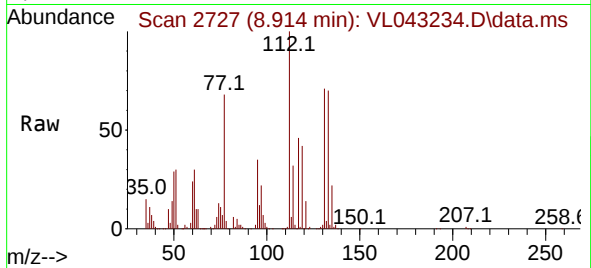




#57
Chlorobenzene
Concen: 10.006 ppbv
RT: 8.914 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

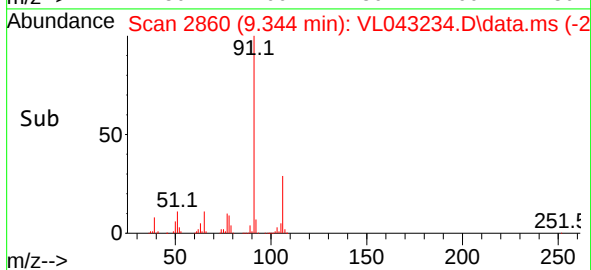
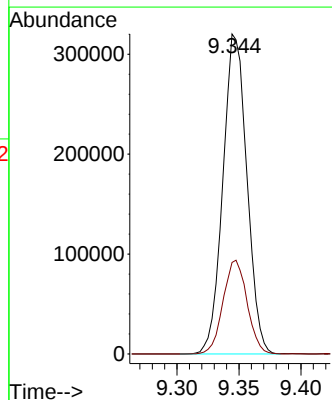
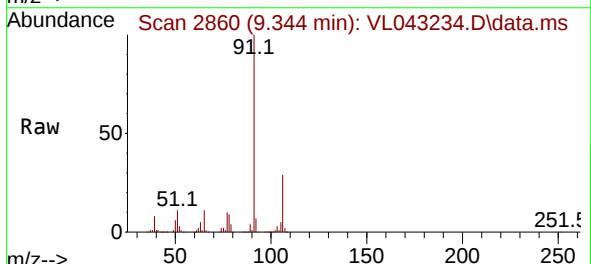
Instrument :
MSVOA_1
ClientSampleId :
VL1119ABS01

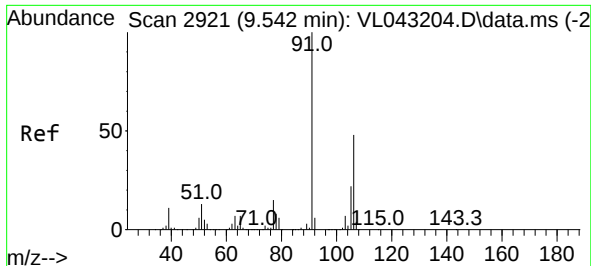
Tgt Ion:112 Resp: 237323
Ion Ratio Lower Upper
112 100
77 67.8 55.5 83.3
114 31.9 29.1 35.5



#58
Ethyl Benzene
Concen: 9.729 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 91 Resp: 432563
Ion Ratio Lower Upper
91 100
106 28.6 22.8 34.2





#59

m/p-Xylene

Concen: 8.761 ppbv

RT: 9.545 min Scan# 2921

Delta R.T. 0.003 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Instrument :

MSVOA_1

ClientSampleId :

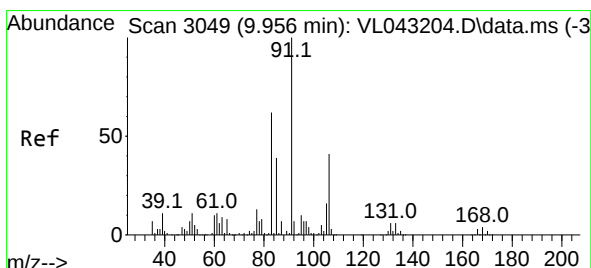
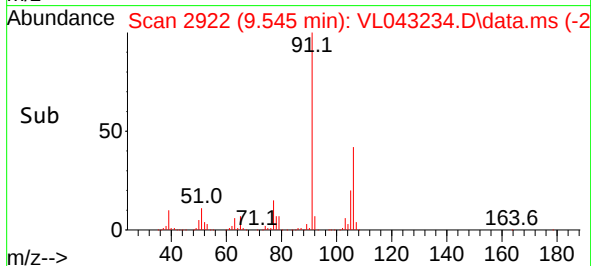
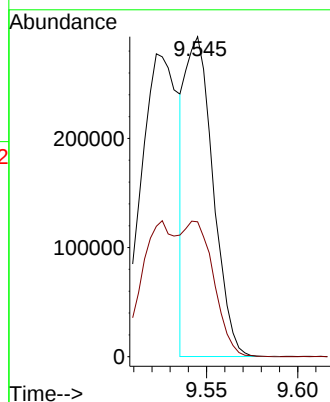
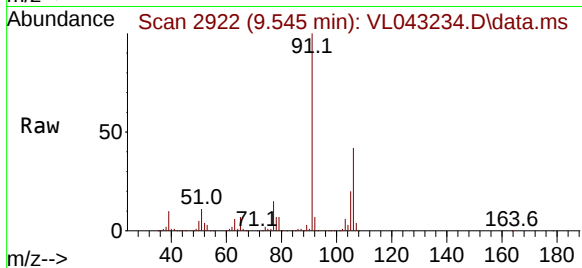
VL1119ABS01

Tgt Ion: 91 Resp: 312310

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#



#60

o-Xylene

Concen: 9.955 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VL043234.D

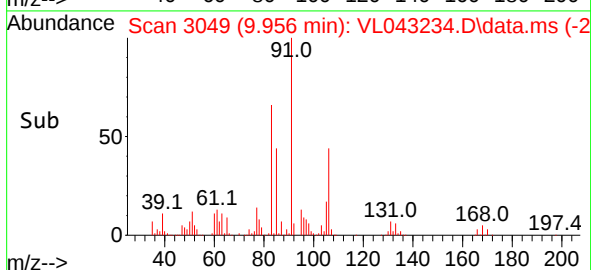
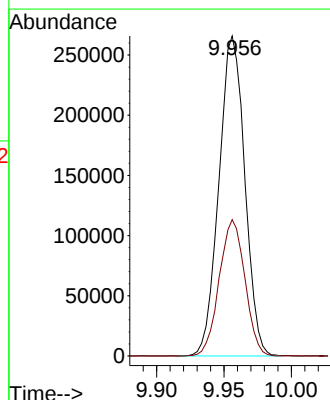
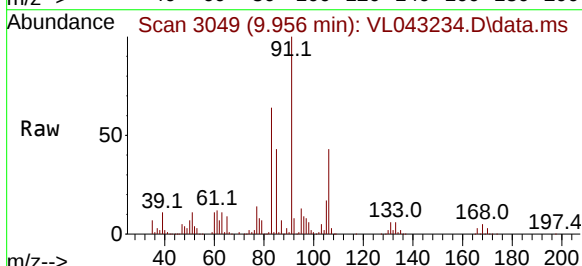
Acq: 19 Nov 2025 11:56

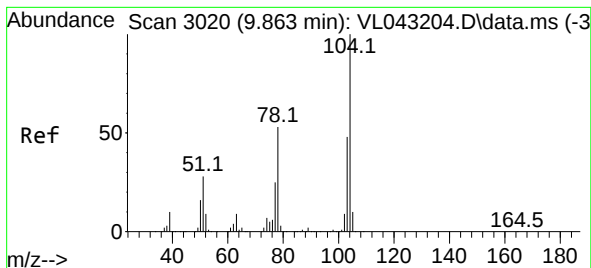
Tgt Ion: 91 Resp: 354511

Ion Ratio Lower Upper

91 100

106 42.3 20.9 62.8





#61

Styrene

Concen: 9.383 ppbv

RT: 9.862 min Scan# 3020

Delta R.T. -0.000 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Instrument :

MSVOA_1

ClientSampleId :

VL1119ABS01

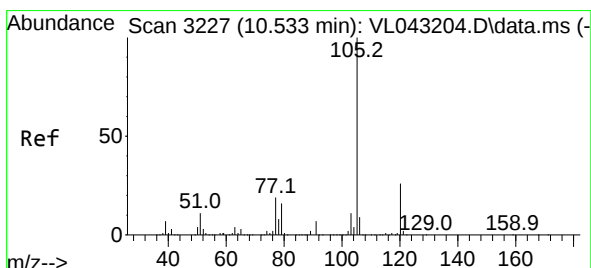
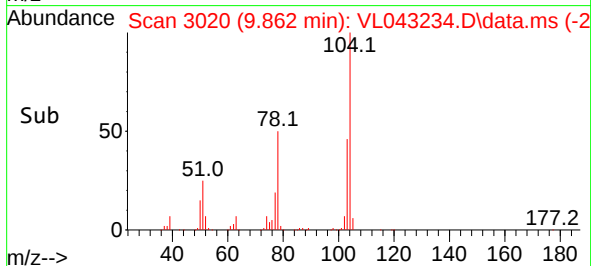
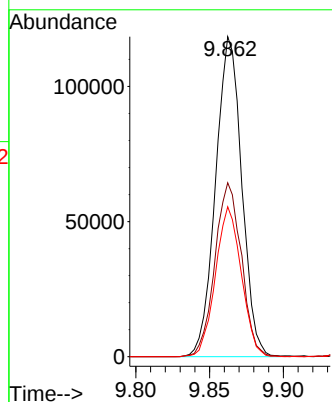
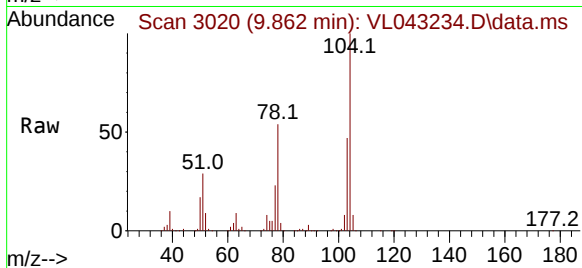
Tgt Ion:104 Resp: 146231

Ion Ratio Lower Upper

104 100

78 55.1 42.1 63.1

103 46.3 37.2 55.8



#62

Isopropylbenzene

Concen: 10.105 ppbv

RT: 10.532 min Scan# 3227

Delta R.T. -0.000 min

Lab File: VL043234.D

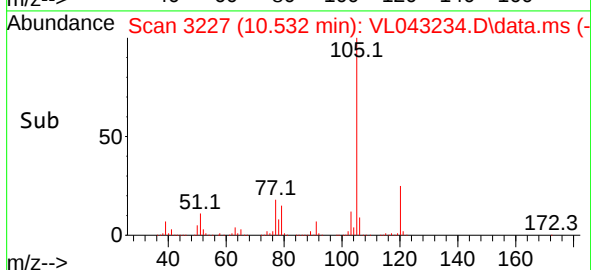
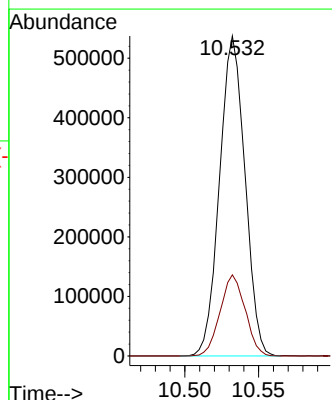
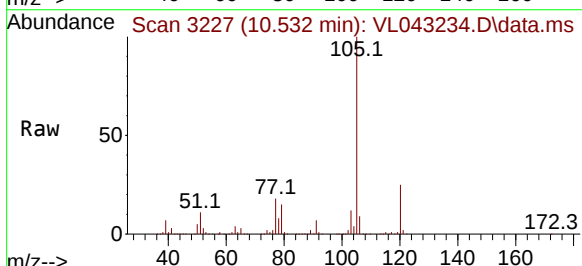
Acq: 19 Nov 2025 11:56

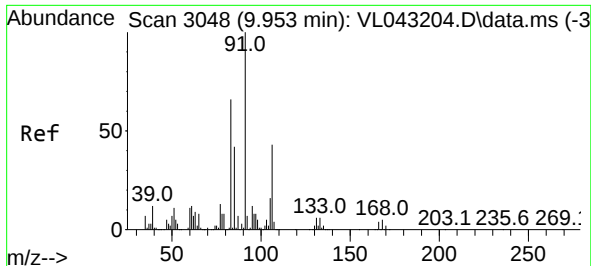
Tgt Ion:105 Resp: 643813

Ion Ratio Lower Upper

105 100

120 25.0 19.8 29.8

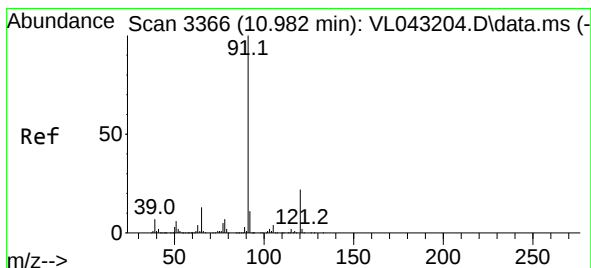
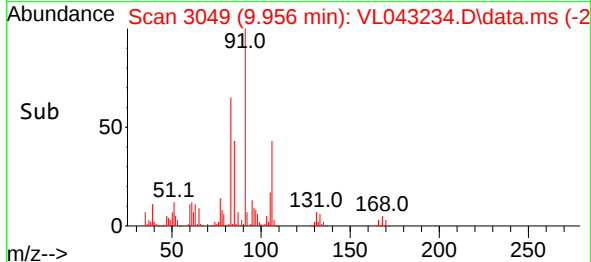
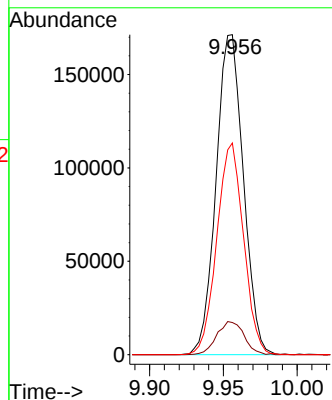
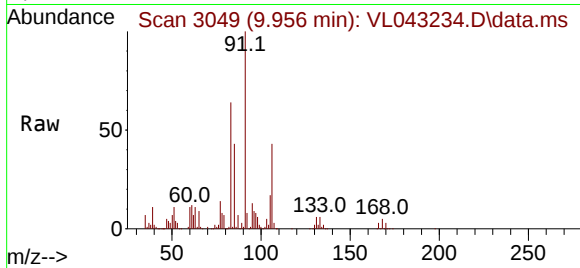




#63
1,1,2,2-Tetrachloroethane
Concen: 9.751 ppbv
RT: 9.956 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

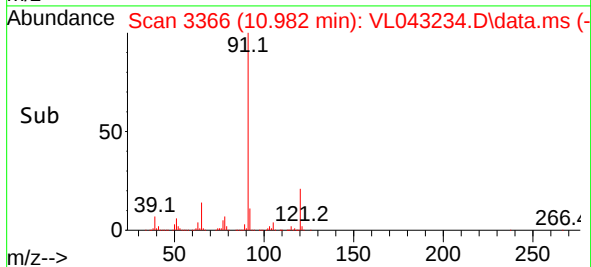
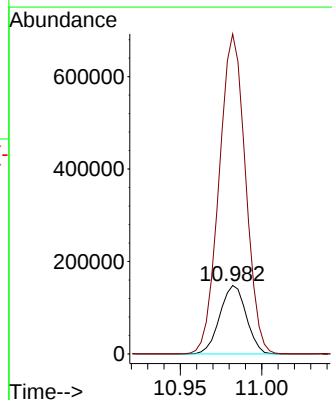
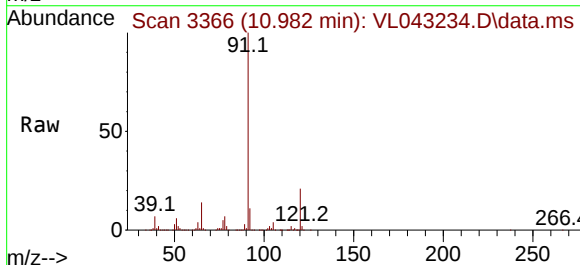
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

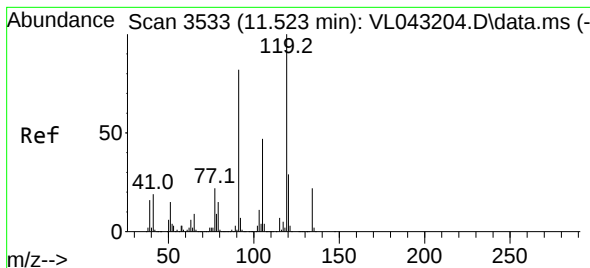
Tgt Ion: 83 Resp: 220953
Ion Ratio Lower Upper
83 100
131 10.4 4.8 14.3
85 64.6 31.9 95.9



#64
n-propylbenzene
Concen: 10.178 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion: 120 Resp: 166609
Ion Ratio Lower Upper
120 100
91 467.6 377.1 565.7





#65

tert-Butylbenzene

Concen: 10.053 ppbv

RT: 11.526 min Scan# 3533

Delta R.T. 0.003 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

VL1119ABS01

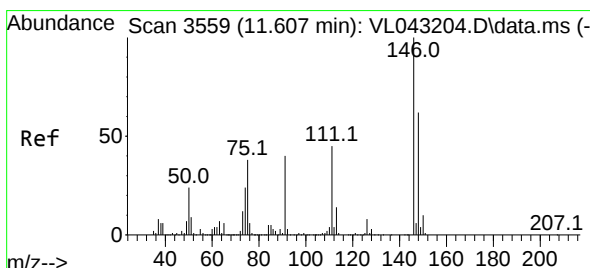
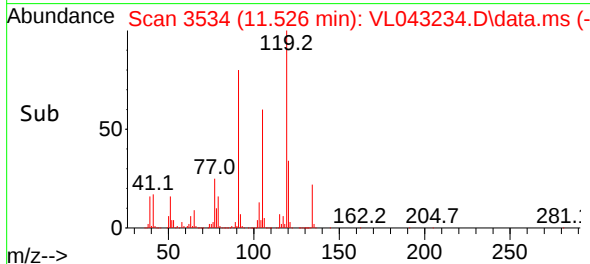
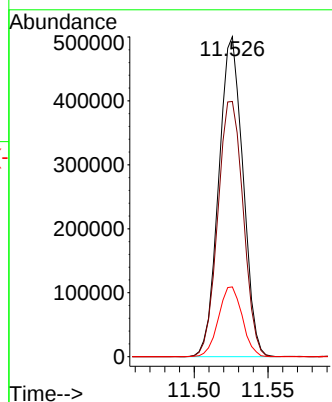
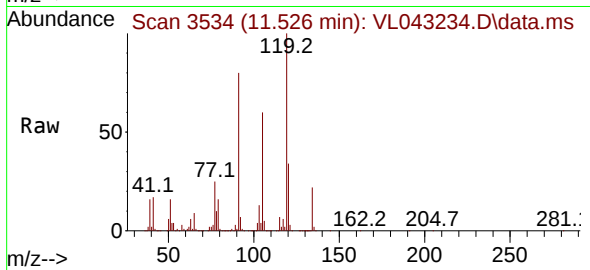
Tgt Ion:119 Resp: 571982

Ion Ratio Lower Upper

119 100

91 83.5 65.3 97.9

134 21.4 17.0 25.4



#66

Benzyl Chloride

Concen: 7.403 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.003 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

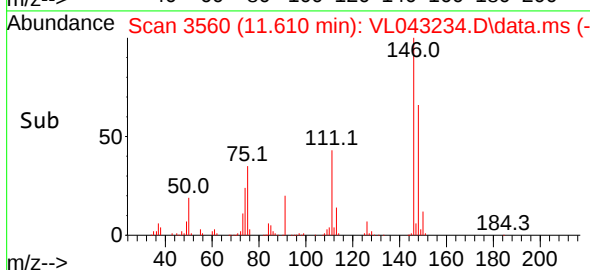
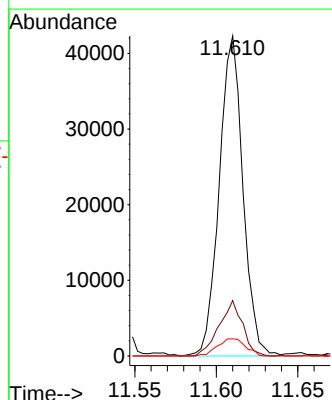
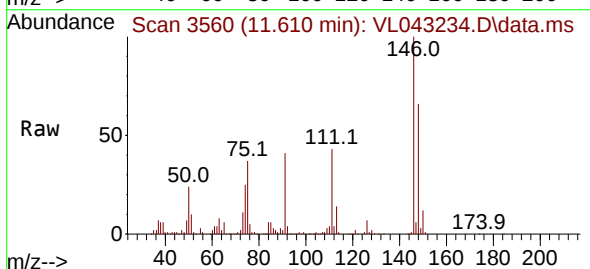
Tgt Ion: 91 Resp: 42746

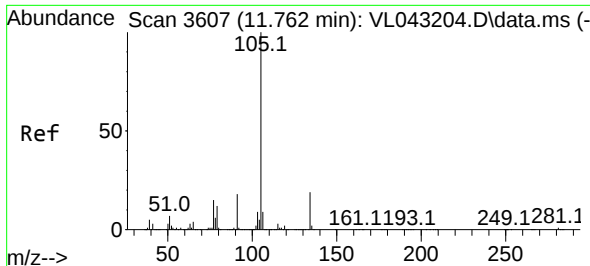
Ion Ratio Lower Upper

91 100

126 17.3 14.4 21.6

128 6.4 4.6 6.8

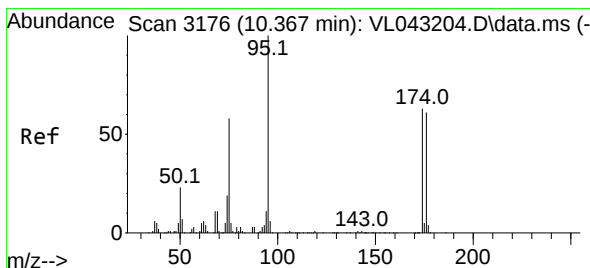
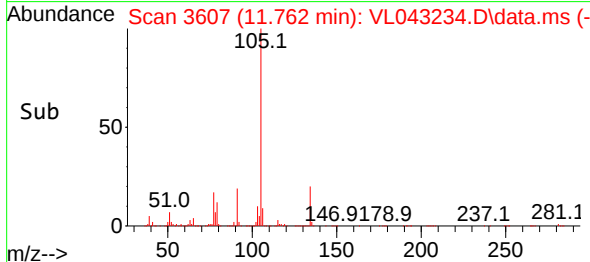
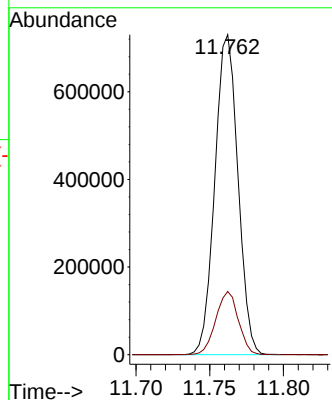
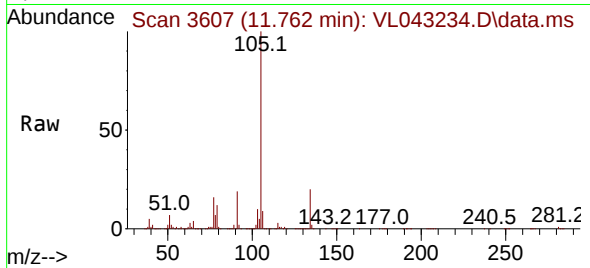




#67
 sec-Butylbenzene
 Concen: 9.994 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.000 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

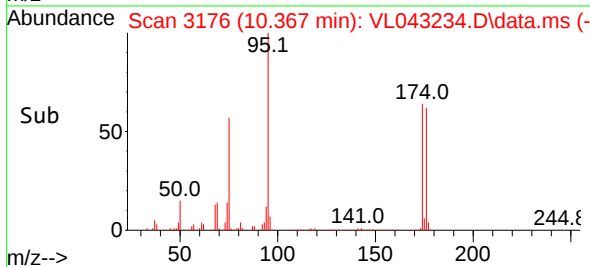
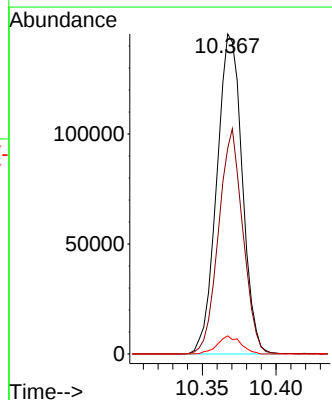
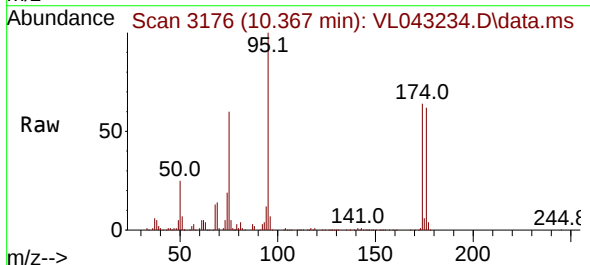
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1119ABS01

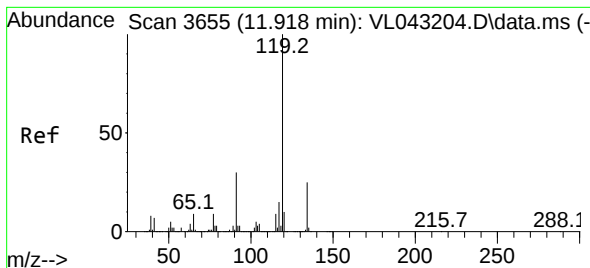
Tgt Ion:105 Resp: 793758
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.303 ppbv
 RT: 10.367 min Scan# 3176
 Delta R.T. -0.000 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

Tgt Ion: 95 Resp: 174465
 Ion Ratio Lower Upper
 95 100
 174 67.3 50.2 75.2
 175 5.2 4.1 6.1

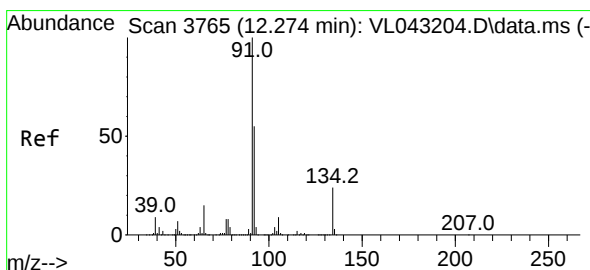
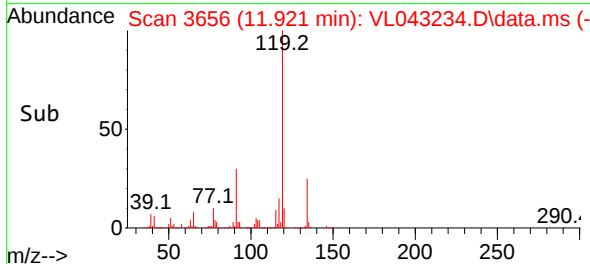
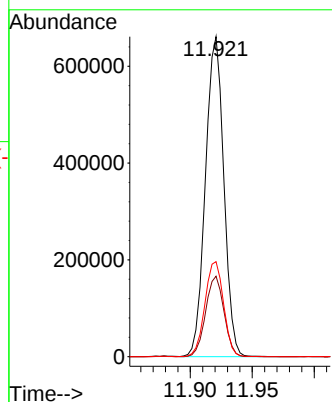
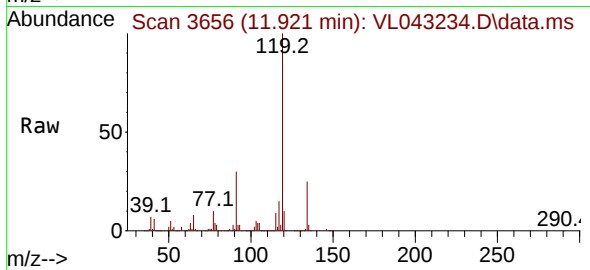




#69
 p-Isopropyltoluene
 Concen: 10.151 ppbv
 RT: 11.921 min Scan# 3656
 Delta R.T. 0.003 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

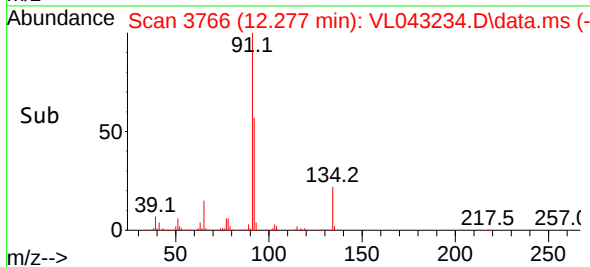
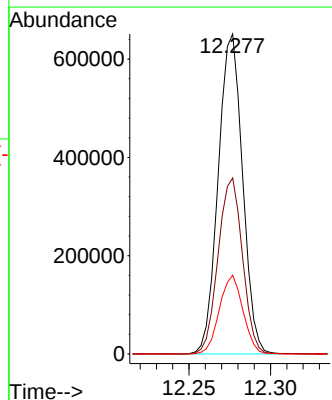
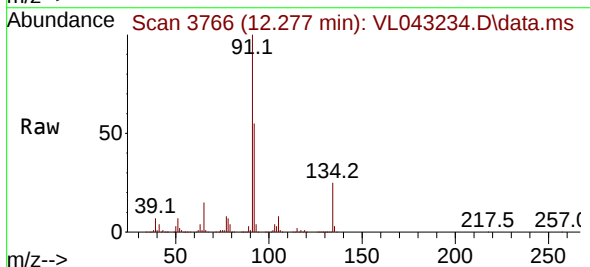
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1119ABS01

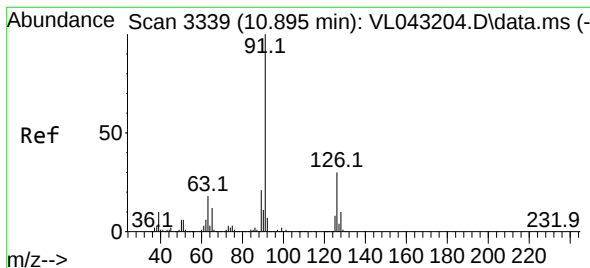
Tgt Ion:119 Resp: 682969
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.2 30.2
 91 30.3 23.8 35.8



#70
 n-Butylbenzene
 Concen: 10.357 ppbv
 RT: 12.277 min Scan# 3766
 Delta R.T. 0.003 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

Tgt Ion: 91 Resp: 676010
 Ion Ratio Lower Upper
 91 100
 92 55.0 43.5 65.3
 134 23.8 19.0 28.6

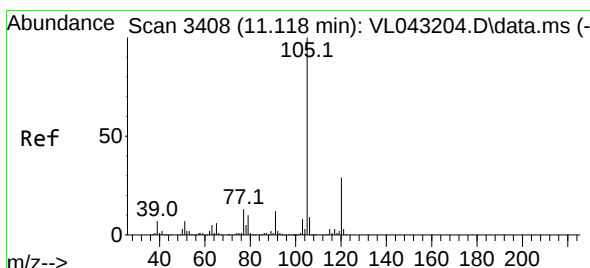
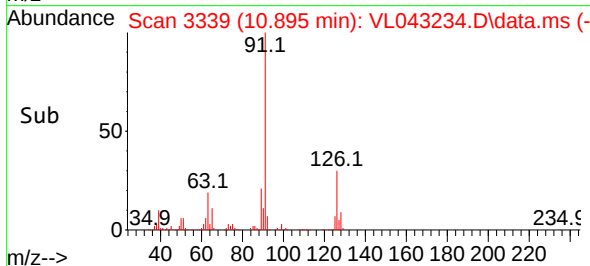
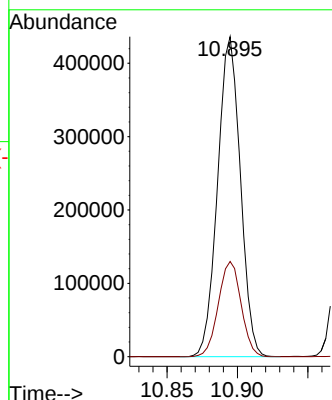
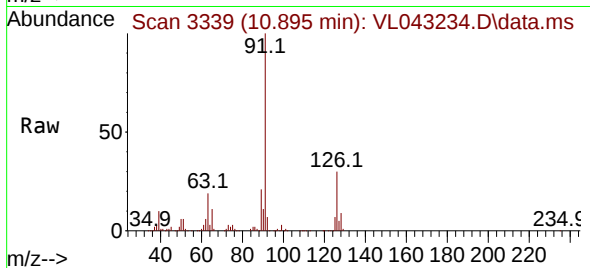




#71
2-Chlorotoluene
Concen: 10.019 ppbv
RT: 10.895 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

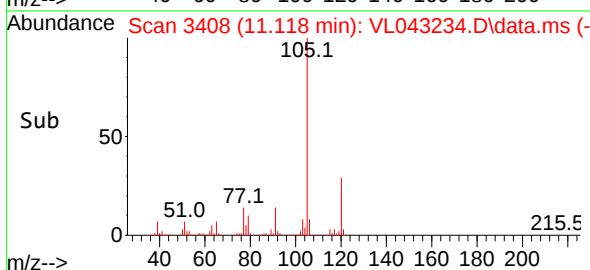
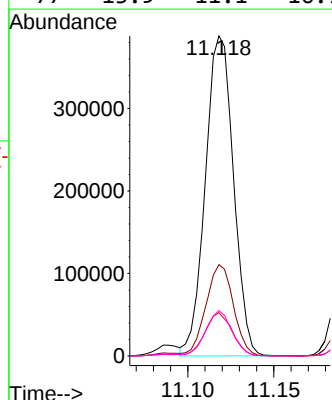
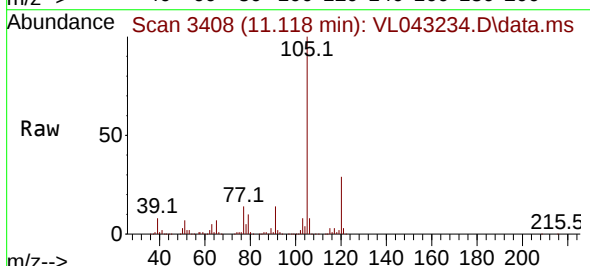
Instrument :
MSVOA_L
ClientSampleId :
VL1119ABS01

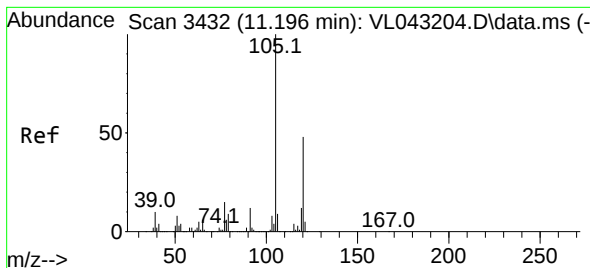
Tgt Ion: 91 Resp: 490653
Ion Ratio Lower Upper
91 100
126 29.7 11.7 46.7



#72
4-Ethyltoluene
Concen: 10.179 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion:105 Resp: 441451
Ion Ratio Lower Upper
105 100
120 28.7 23.8 35.8
91 13.6 10.3 15.5
77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.019 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. 0.003 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Instrument :

MSVOA_1

ClientSampleId :

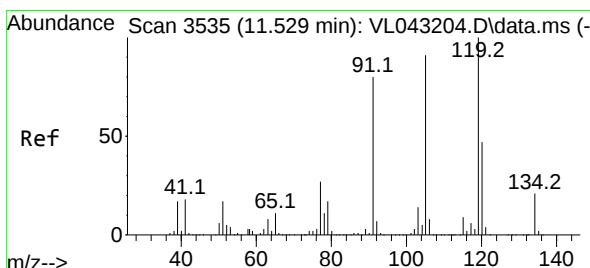
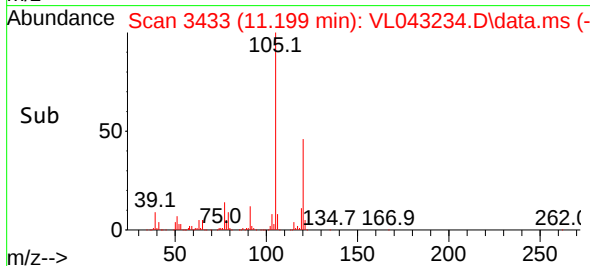
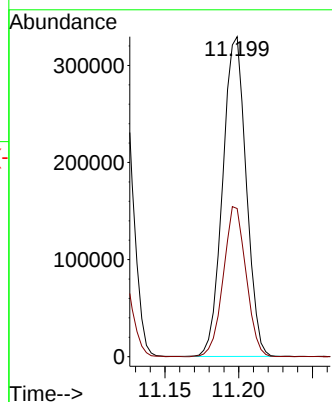
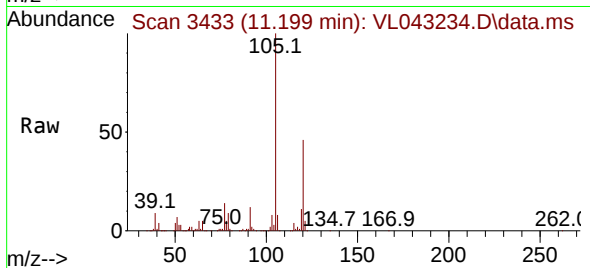
VL1119ABS01

Tgt Ion:105 Resp: 364625

Ion Ratio Lower Upper

105 100

120 46.3 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 10.161 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Tgt Ion:105 Resp: 403572

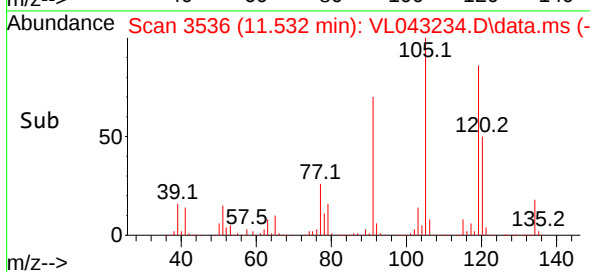
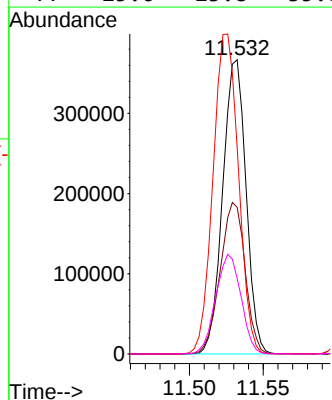
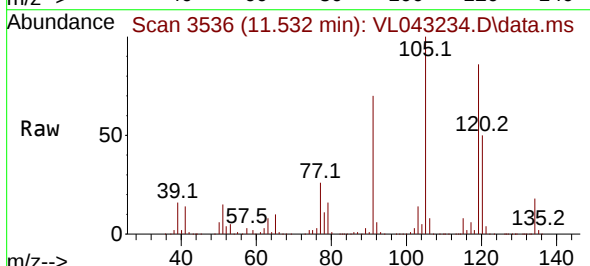
Ion Ratio Lower Upper

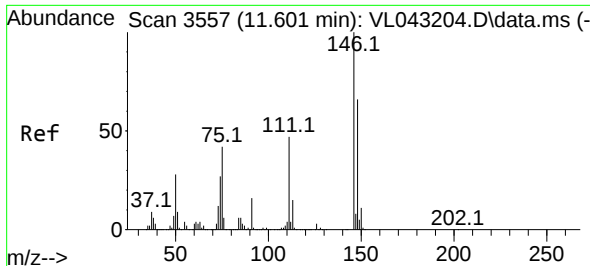
105 100

120 49.9 41.7 62.5

91 70.2 70.0 105.0

77 25.6 23.8 35.8

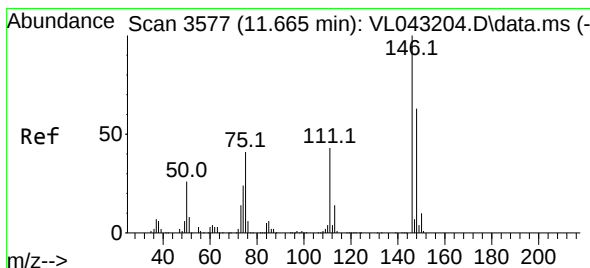
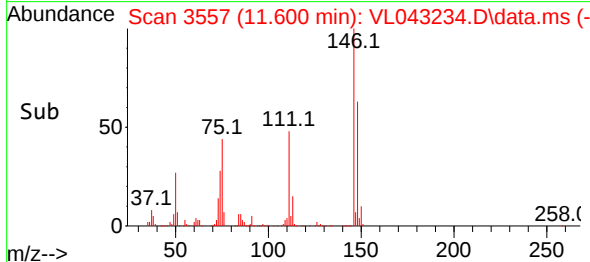
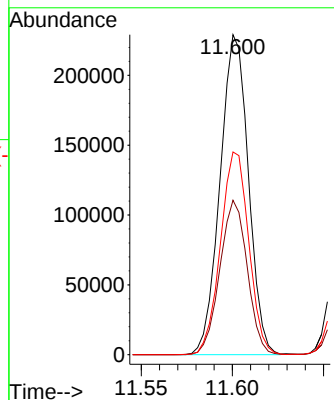
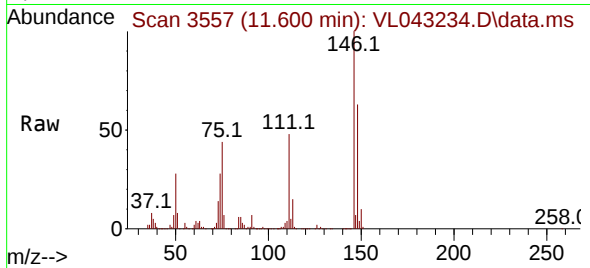




#75
1,3-Dichlorobenzene
Concen: 10.676 ppbv
RT: 11.600 min Scan# 3557
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

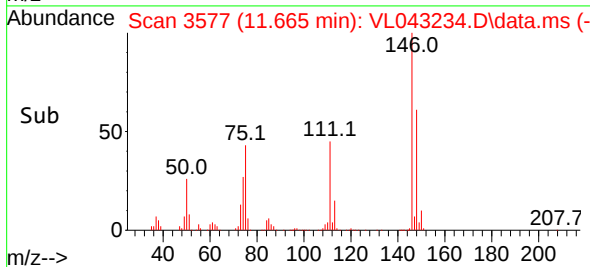
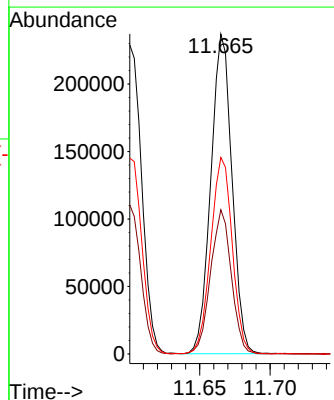
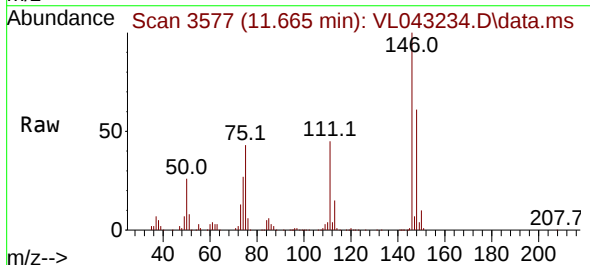
Instrument :
MSVOA_1
ClientSampleId :
VL1119ABS01

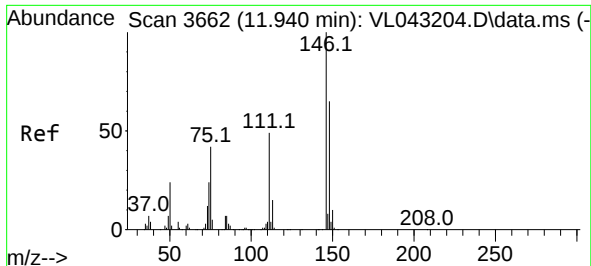
Tgt Ion:146 Resp: 247440
Ion Ratio Lower Upper
146 100
111 46.7 23.4 70.3
148 63.3 31.6 95.0



#76
1,4-Dichlorobenzene
Concen: 10.684 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion:146 Resp: 247680
Ion Ratio Lower Upper
146 100
111 44.4 22.8 68.3
148 62.8 31.8 95.4

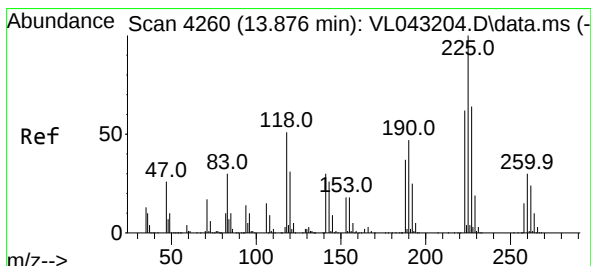
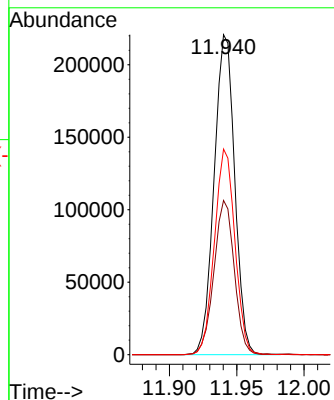
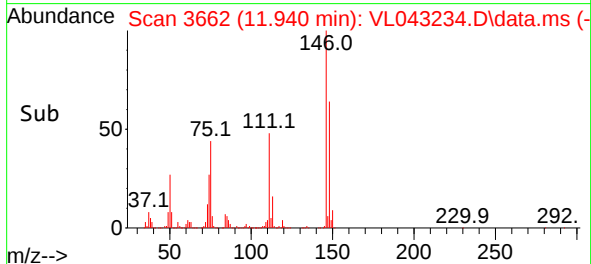
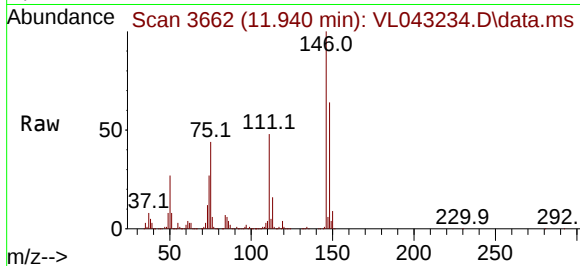




#77
1,2-Dichlorobenzene
Concen: 10.548 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

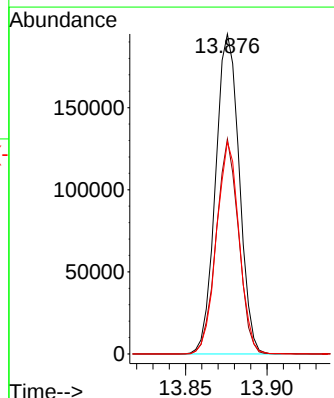
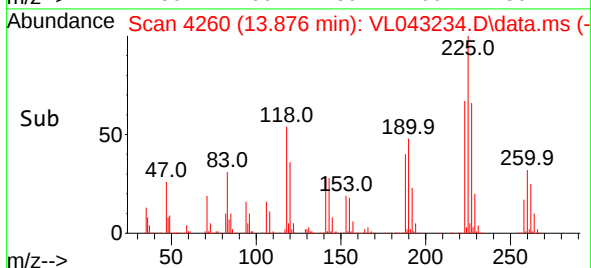
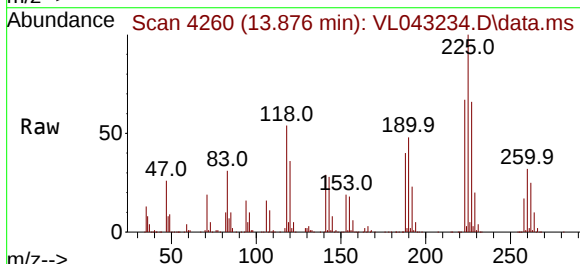
Instrument :
MSVOA_1
ClientSampleId :
VL1119ABS01

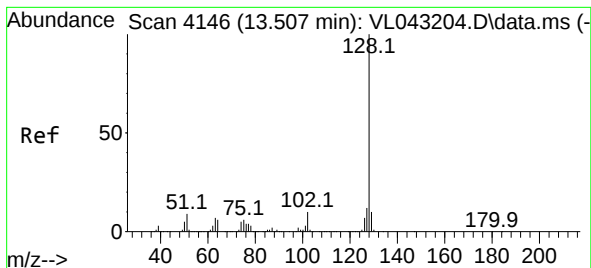
Tgt Ion:146 Resp: 235048
Ion Ratio Lower Upper
146 100
111 47.7 24.3 73.0
148 64.1 31.6 94.7



#78
Hexachloro-1,3-Butadiene
Concen: 10.561 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.000 min
Lab File: VL043234.D
Acq: 19 Nov 2025 11:56

Tgt Ion:225 Resp: 196410
Ion Ratio Lower Upper
225 100
223 63.5 50.2 75.4
227 63.8 51.1 76.7





#79

Naphthalene

Concen: 10.683 ppbv

RT: 13.507 min Scan# 4146

Delta R.T. -0.000 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

Instrument :

MSVOA_1

ClientSampleId :

VL1119ABS01

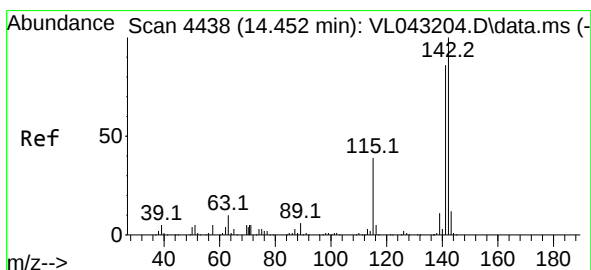
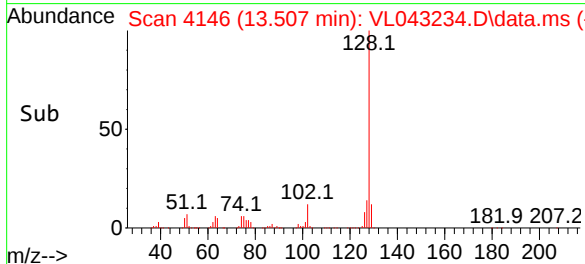
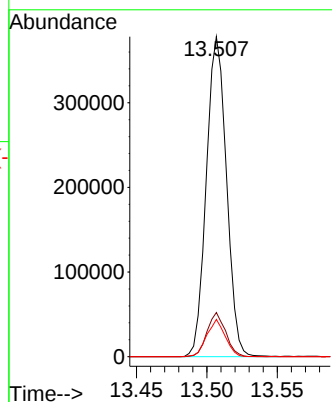
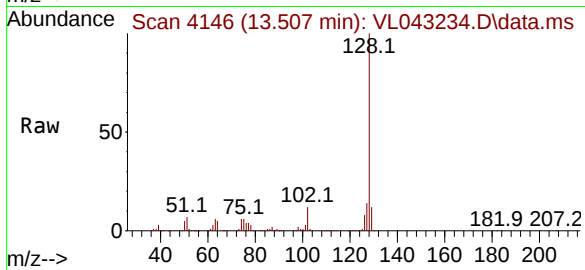
Tgt Ion:128 Resp: 376827

Ion Ratio Lower Upper

128 100

127 13.8 9.9 14.9

129 11.7 8.4 12.6



#80

Naphthalene,2-methyl-

Concen: 9.844 ppbv

RT: 14.452 min Scan# 4438

Delta R.T. -0.000 min

Lab File: VL043234.D

Acq: 19 Nov 2025 11:56

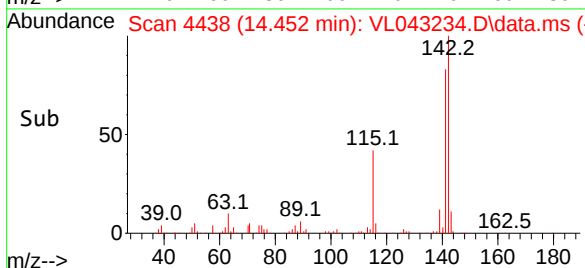
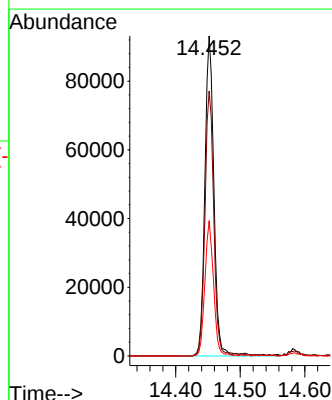
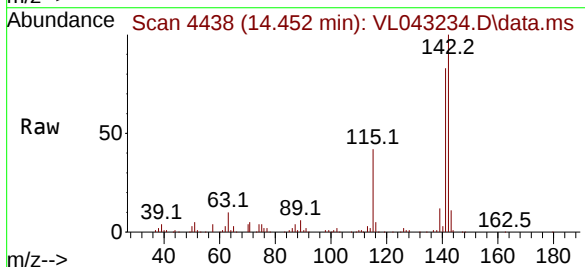
Tgt Ion:142 Resp: 91146

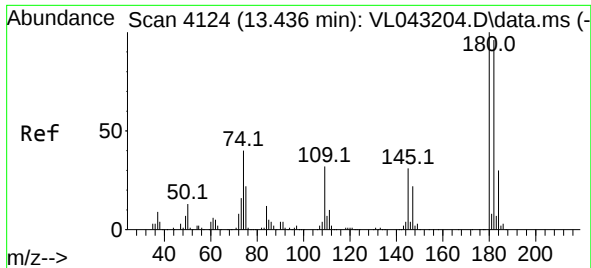
Ion Ratio Lower Upper

142 100

141 81.5 67.1 100.7

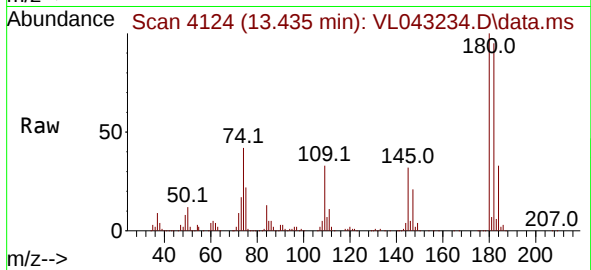
115 40.9 31.9 47.9





#81
 1,2,4-Trichlorobenzene
 Concen: 11.616 ppbv
 RT: 13.435 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043234.D
 Acq: 19 Nov 2025 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1119ABS01



Tgt Ion:	180	Resp:	183247
Ion Ratio	Lower	Upper	
180	100		
182	95.0	77.4	116.2
184	30.4	24.2	36.4

