

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042755.D
 Acq On : 23 Jul 2025 14:33
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL072325

Quant Time: Jul 24 05:28:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	148064	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	421747	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	380539	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	313324	10.397	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	185425	9.472	ppbv	99
3) Chlorodifluoromethane	1.473	51	242908	9.525	ppbv	99
4) Chloromethane	1.531	50	72221	9.119	ppbv	98
5) Vinyl Chloride	1.577	62	64673	8.265	ppbv	100
6) Bromomethane	1.664	94	27096	8.957	ppbv	99
7) Chloroethane	1.700	64	26125	8.641	ppbv	99
8) Dichlorotetrafluoroethane	1.551	85	148833	9.244	ppbv	100
9) Propene	1.479	41	86343	9.316	ppbv	95
10) Heptane	4.965	43	247934	9.921	ppbv	99
11) Trichlorofluoromethane	1.874	101	179643	8.902	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.136	101	138363	9.023	ppbv	98
13) Ethanol	1.719	45	7690	10.243	ppbv	92
14) Bromoethene	1.777	108	48972	9.020	ppbv	98
15) Acetone	1.832	43	149742	7.324	ppbv	99
16) 1,3-Butadiene	1.606	39	79112	9.072	ppbv	98
17) tert-Butyl alcohol	2.036	59	170096	9.225	ppbv	98
18) 1,1-Dichloroethene	2.030	96	62149	8.970	ppbv	96
19) Isopropyl Alcohol	1.881	45	97844	9.006	ppbv	99
20) Methylene Chloride	2.056	84	53608	8.320	ppbv	98
21) Allyl Chloride	2.091	41	118958	9.441	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	69482	9.322	ppbv	97
23) Vinyl Acetate	2.457	43	261938	10.568	ppbv	98
24) 1,1-Dichloroethane	2.402	63	137586	8.993	ppbv	99
25) Ethyl Acetate	2.829	43	444208	9.816	ppbv	99
26) Hexane	2.819	57	190523	9.597	ppbv	98
27) Carbon Disulfide	2.146	76	164040	9.652	ppbv	99
28) Methyl tert-Butyl Ether	2.434	73	85480	9.114	ppbv	98
29) Chloroform	2.842	83	295808	9.643	ppbv	99
30) Cyclohexane	3.849	84	164554	9.773	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	199970	9.802	ppbv	99
32) 1,1,1-Trichloroethane	3.360	97	293074	9.172	ppbv	100
34) 2-Butanone	2.551	43	294837	9.869	ppbv	99
35) Carbon Tetrachloride	3.755	117	310129	9.900	ppbv	96
36) Benzene	3.648	78	393085	9.834	ppbv	99
37) 1,2-Dichloroethane	3.211	62	238249	9.895	ppbv	100
38) Trichloroethene	4.538	130	178600	9.301	ppbv	97
39) 1,2-Dichloropropane	4.305	63	141316	9.578	ppbv	95
40) 1,4-Dioxane	4.570	88	65204	9.481	ppbv #	94
41) Tetrahydrofuran	3.046	42	158159	10.404	ppbv	99
42) Bromodichloromethane	4.477	83	321549	10.254	ppbv	98
43) Methyl Methacrylate	4.865	69	152551	10.738	ppbv	97
44) 2,2,4-Trimethylpentane	4.629	57	649720	9.973	ppbv	99
45) t-1,3-Dichloropropene	6.402	75	169563	10.643	ppbv	97

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

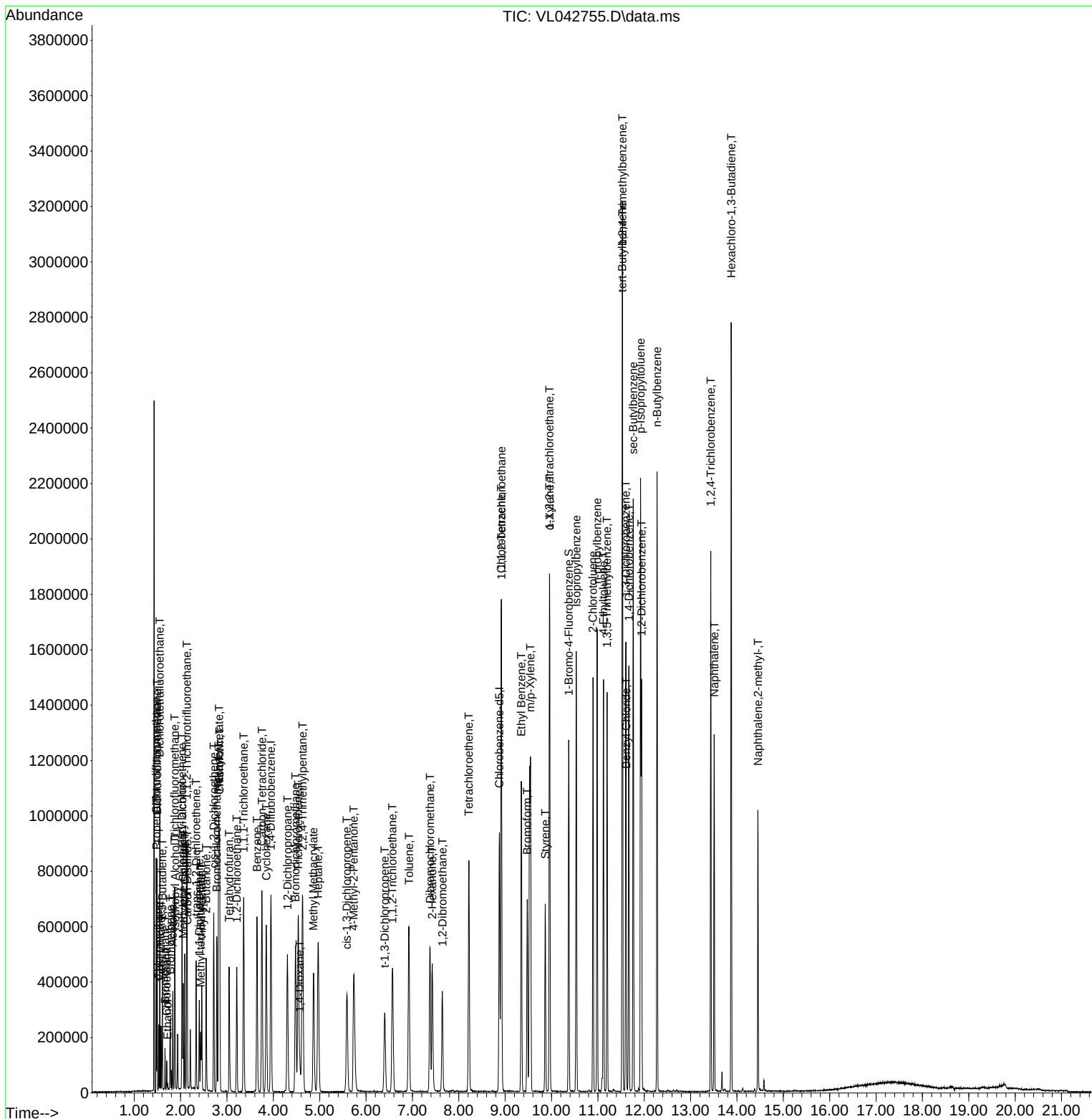
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 ClientSampleId :
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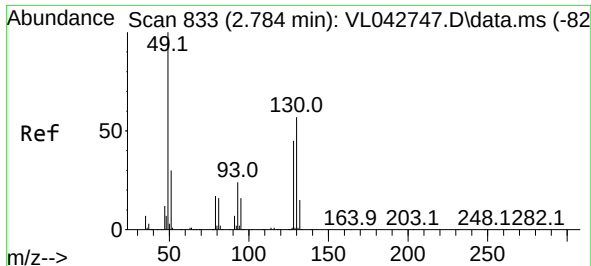
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	215596	10.679	ppbv	97
47) 1,1,2-Trichloroethane	6.571	97	85637	5.445	ppbv	97
48) Dibromochloromethane	7.380	129	261174	10.460	ppbv	98
49) Bromoform	9.477	173	233573	10.729	ppbv	99
50) 4-Methyl-2-Pentanone	5.736	43	396506	10.303	ppbv	100
51) 2-Hexanone	7.428	43	320740	11.029	ppbv #	100
52) Tetrachloroethene	8.218	164	151810	9.163	ppbv	98
53) Toluene	6.927	91	441829	10.294	ppbv	100
54) 1,2-Dibromoethane	7.645	107	229563	10.331	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.920	131	193089	9.759	ppbv	99
57) Chlorobenzene	8.914	112	354412	9.623	ppbv	96
58) Ethyl Benzene	9.348	91	631247	10.504	ppbv	99
59) m/p-Xylene	9.545	91	500367	10.418	ppbv #	32
60) o-Xylene	9.959	91	503849	10.499	ppbv	99
61) Styrene	9.866	104	225799	11.185	ppbv	99
62) Isopropylbenzene	10.536	105	736044	10.398	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.956	83	287775	9.340	ppbv	99
64) n-propylbenzene	10.982	120	193034	10.460	ppbv	98
65) tert-Butylbenzene	11.526	119	660966	10.512	ppbv	99
66) Benzyl Chloride	11.610	91	60055	11.634	ppbv	99
67) sec-Butylbenzene	11.762	105	914046	10.221	ppbv	100
69) p-Isopropyltoluene	11.921	119	778601	10.677	ppbv	99
70) n-Butylbenzene	12.277	91	788734	11.197	ppbv	99
71) 2-Chlorotoluene	10.895	91	563193	10.376	ppbv	99
72) 4-Ethyltoluene	11.121	105	617355	10.772	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	516735	10.951	ppbv	100
74) 1,2,4-Trimethylbenzene	11.532	105	567186	11.017	ppbv	98
75) 1,3-Dichlorobenzene	11.604	146	366855	10.165	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	364937	10.333	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	348999	9.839	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	291861	9.091	ppbv	99
79) Naphthalene	13.510	128	578563	10.342	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	277798	9.951	ppbv	99
81) 1,2,4-Trichlorobenzene	13.436	180	319897	10.181	ppbv	100

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

Quant Time: Jul 24 05:28:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
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QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

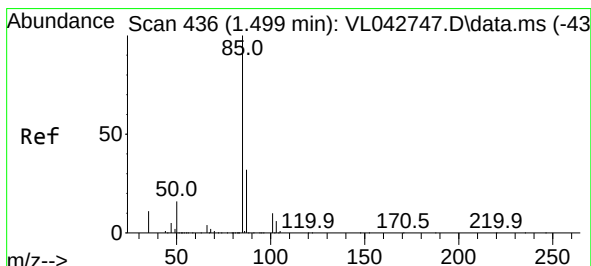
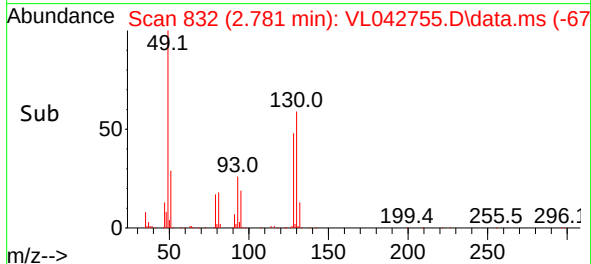
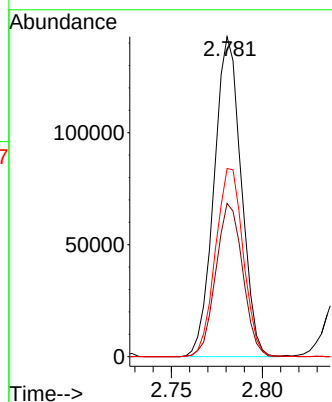
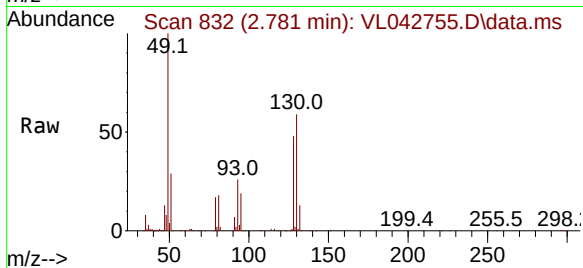




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.781 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

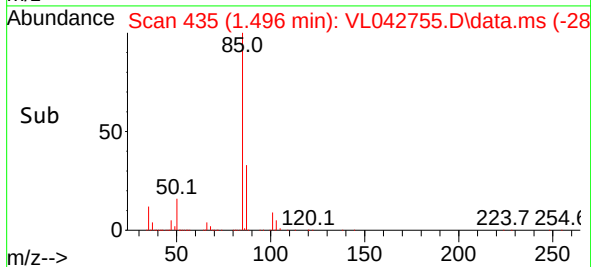
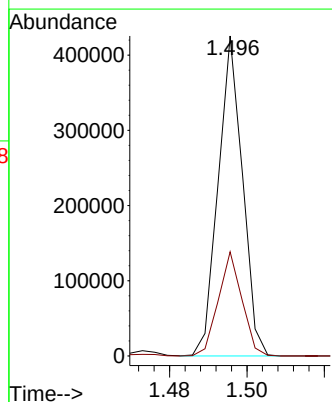
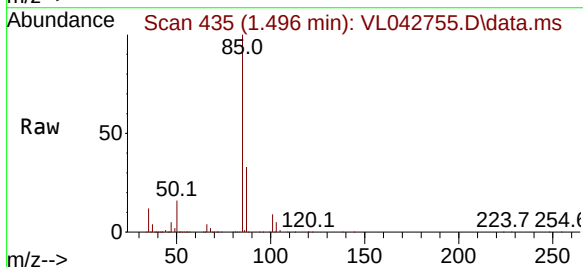
Instrument :
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 ClientSampleId :
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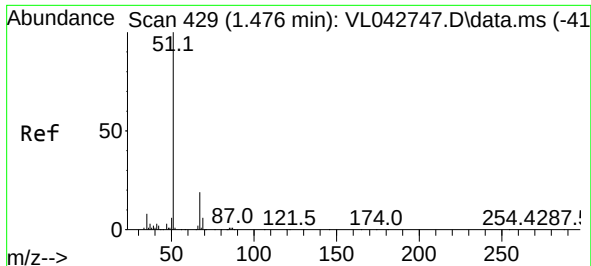
Tgt Ion: 49 Resp: 148064
 Ion Ratio Lower Upper
 49 100
 128 47.4 23.6 71.0
 130 60.2 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 9.472 ppbv
 RT: 1.496 min Scan# 435
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Tgt Ion: 85 Resp: 185425
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.4 38.2

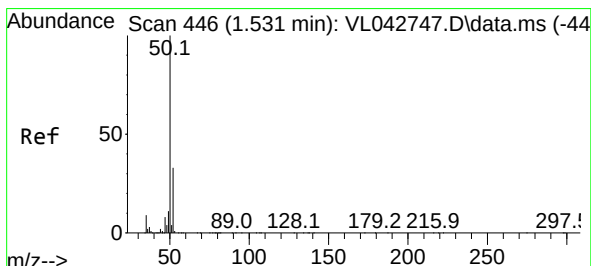
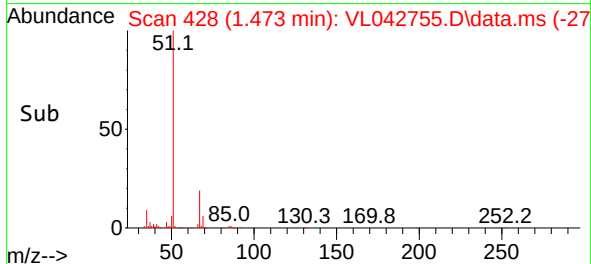
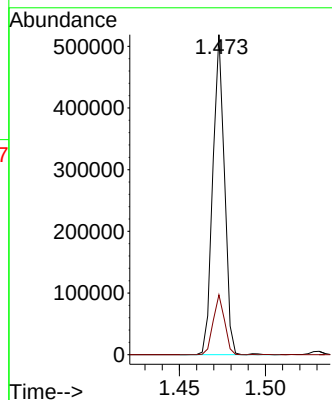
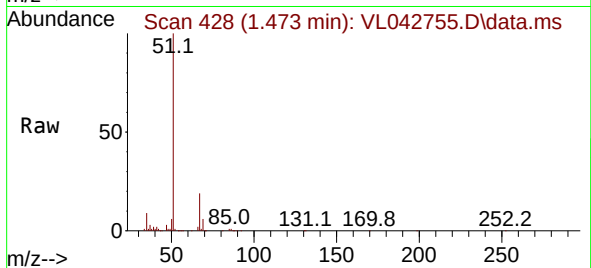




#3
Chlorodifluoromethane
Concen: 9.525 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

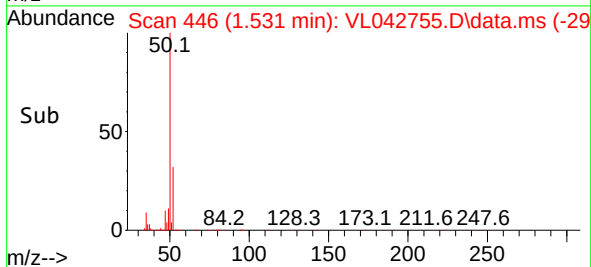
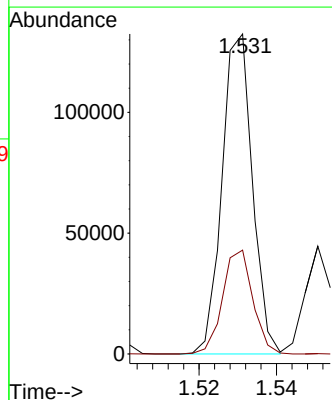
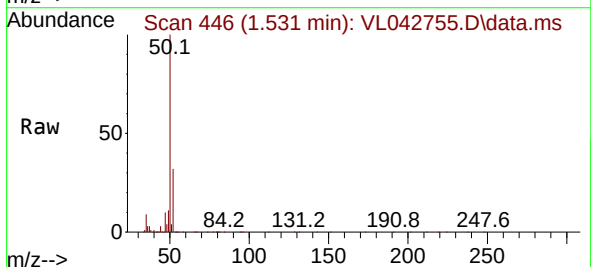
Instrument :
MSVOA_1
ClientSampleId :
ICVVL072325

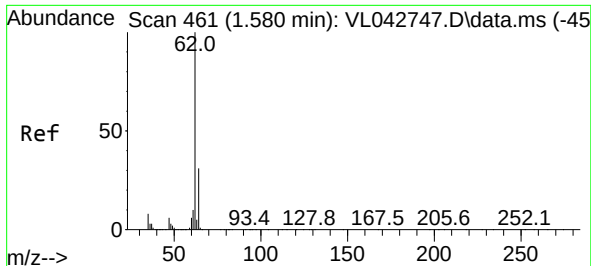
Tgt Ion: 51 Resp: 242908
Ion Ratio Lower Upper
51 100
67 18.4 15.0 22.6



#4
Chloromethane
Concen: 9.119 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 50 Resp: 72221
Ion Ratio Lower Upper
50 100
52 32.4 26.6 40.0

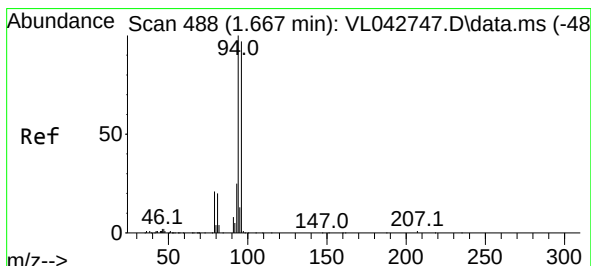
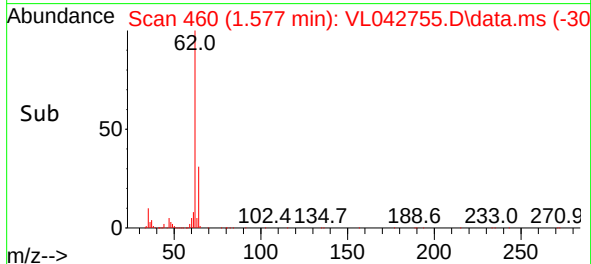
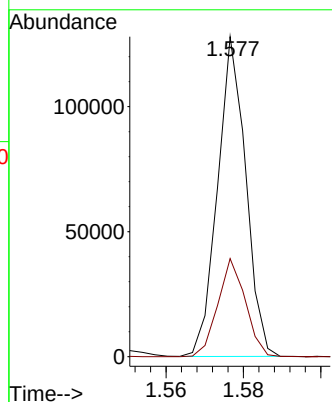
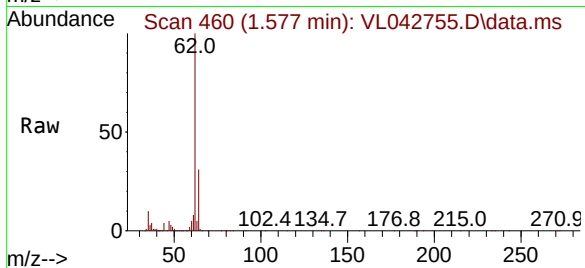




#5
 Vinyl Chloride
 Concen: 8.265 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

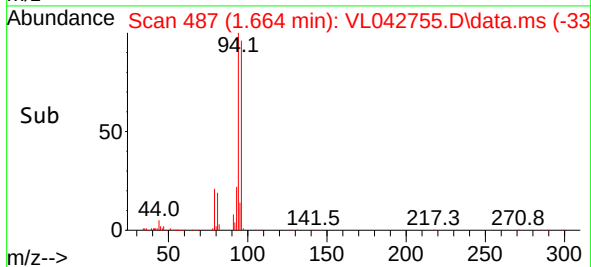
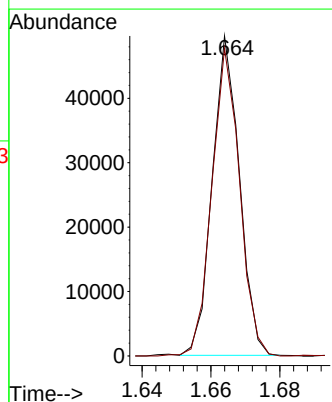
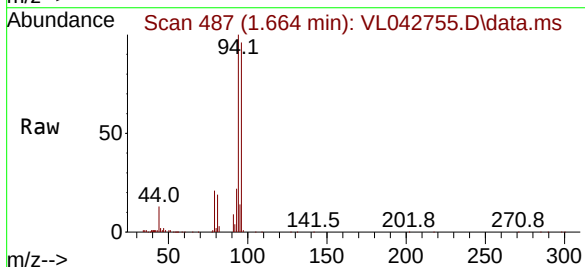
Instrument :
 MSVOA_1
 ClientSampleId :
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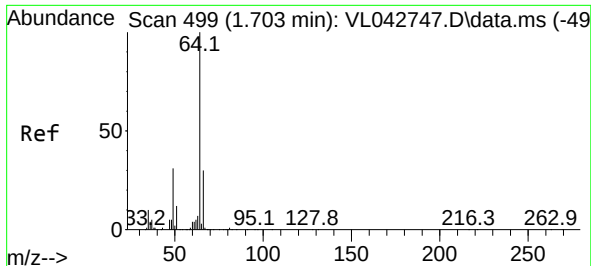
Tgt Ion: 62 Resp: 64673
 Ion Ratio Lower Upper
 62 100
 64 30.7 24.5 36.7



#6
 Bromomethane
 Concen: 8.957 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Tgt Ion: 94 Resp: 27096
 Ion Ratio Lower Upper
 94 100
 96 96.3 77.6 116.4

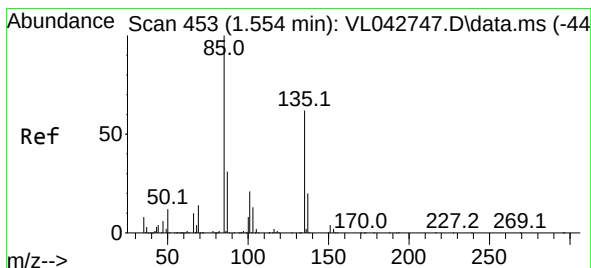
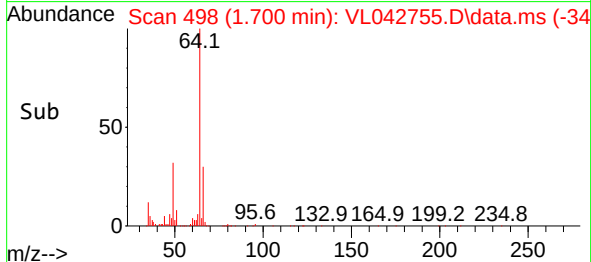
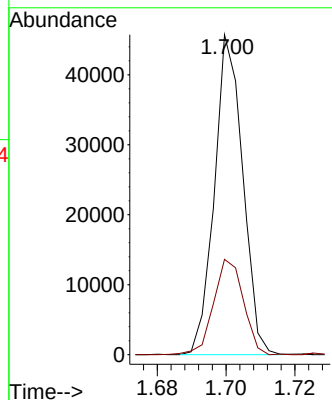
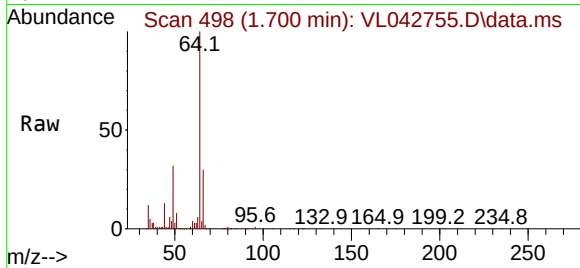




#7
Chloroethane
Concen: 8.641 ppbv
RT: 1.700 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

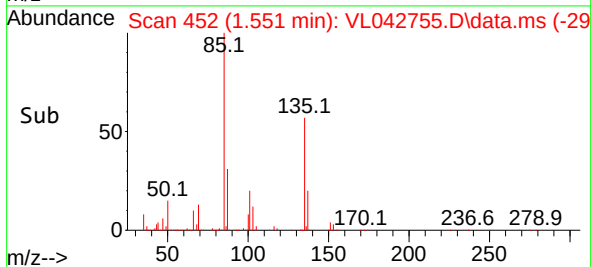
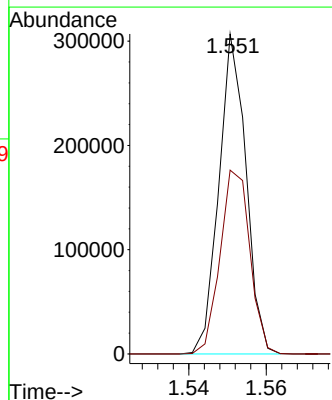
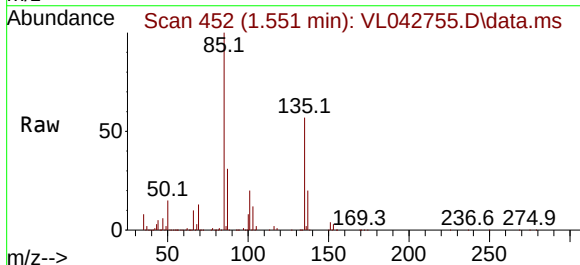
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ClientSampleId :
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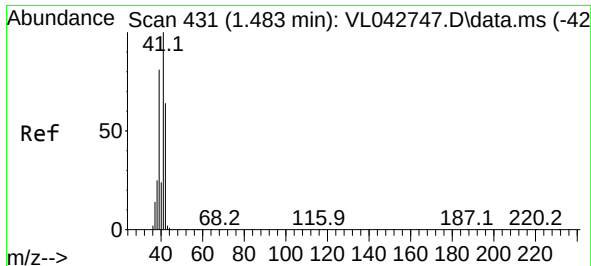
Tgt Ion: 64 Resp: 26125
Ion Ratio Lower Upper
64 100
66 29.8 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 9.244 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 85 Resp: 148833
Ion Ratio Lower Upper
85 100
135 63.6 50.6 76.0





#9

Propene

Concen: 9.316 ppbv

RT: 1.479 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

Instrument :

MSVOA_L

ClientSampleId :

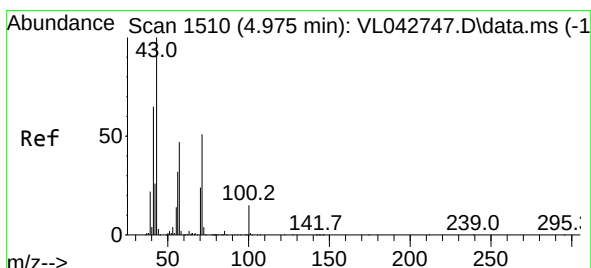
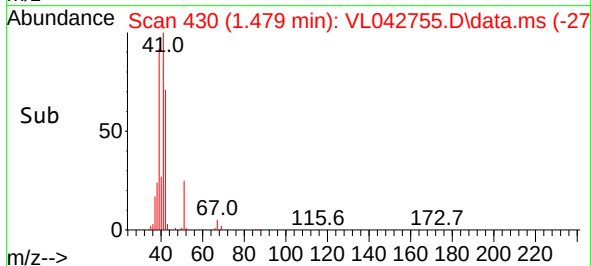
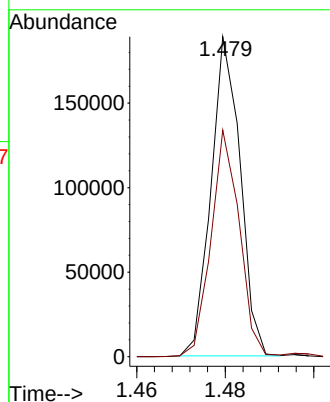
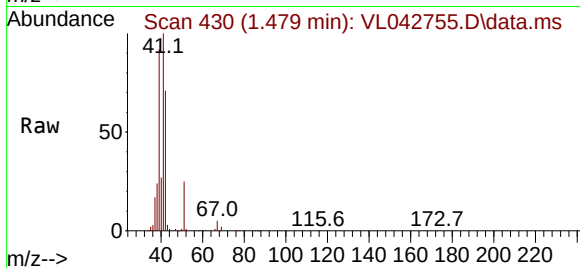
ICVVL072325

Tgt Ion: 41 Resp: 86343

Ion Ratio Lower Upper

41 100

42 70.7 53.2 79.8



#10

Heptane

Concen: 9.921 ppbv

RT: 4.965 min Scan# 1507

Delta R.T. -0.010 min

Lab File: VL042755.D

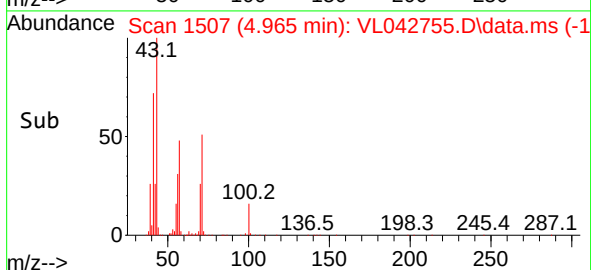
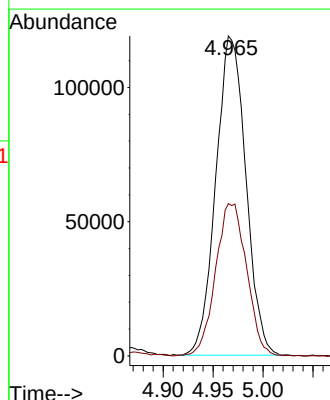
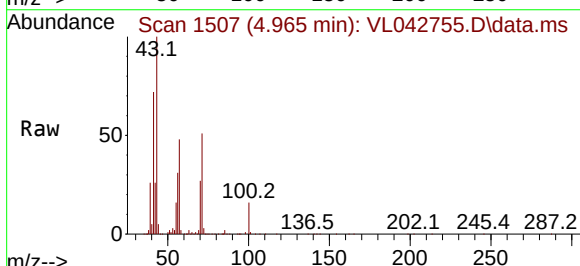
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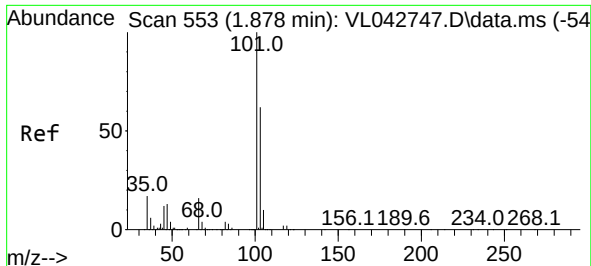
Tgt Ion: 43 Resp: 247934

Ion Ratio Lower Upper

43 100

57 49.5 39.9 59.9

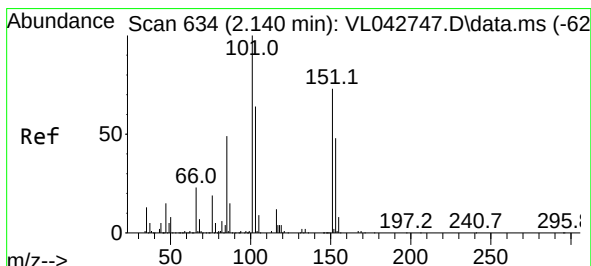
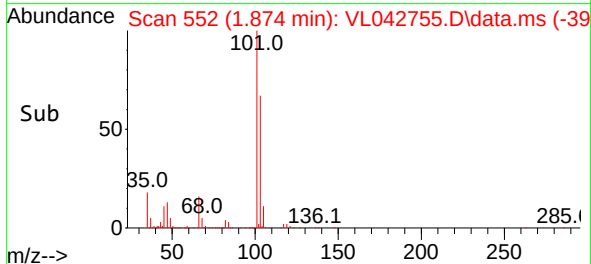
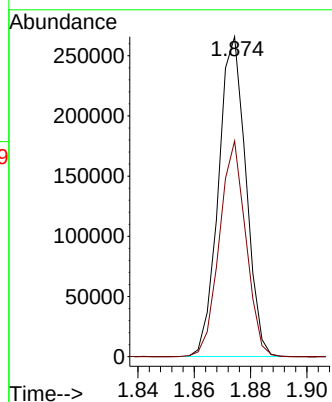
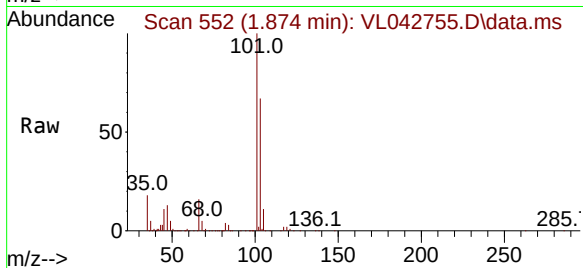




#11
 Trichlorofluoromethane
 Concen: 8.902 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

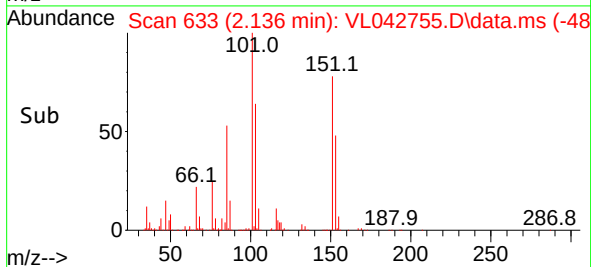
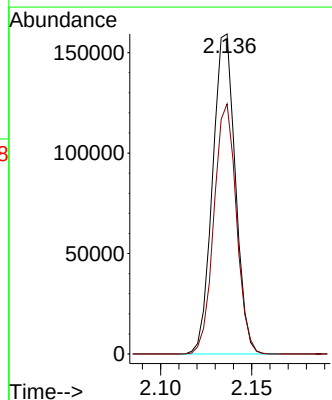
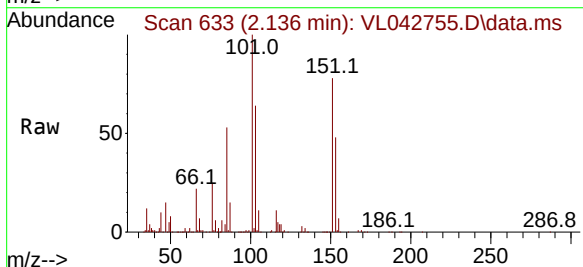
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072325

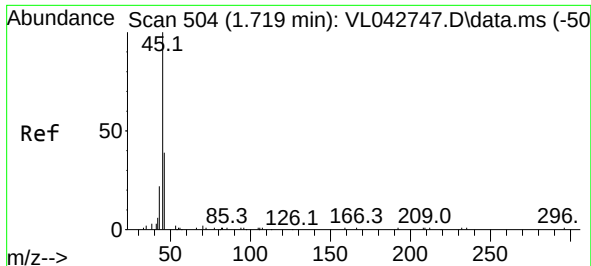
Tgt Ion:101 Resp: 179643
 Ion Ratio Lower Upper
 101 100
 103 67.4 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.023 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Tgt Ion:101 Resp: 138363
 Ion Ratio Lower Upper
 101 100
 151 76.9 60.5 90.7

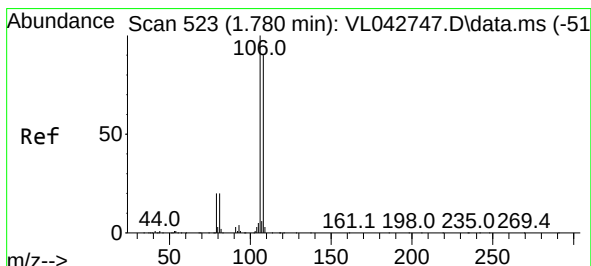
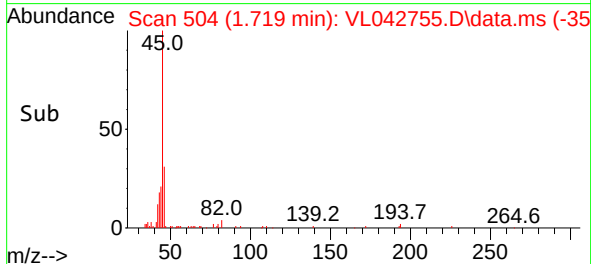
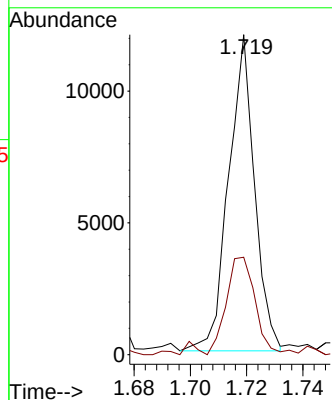
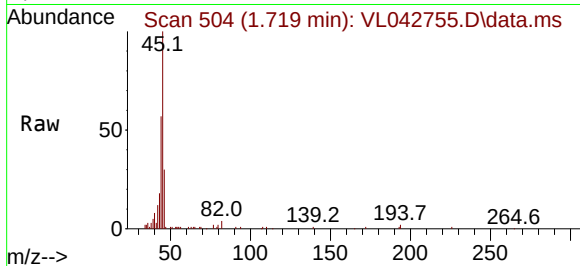




#13
Ethanol
Concen: 10.243 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

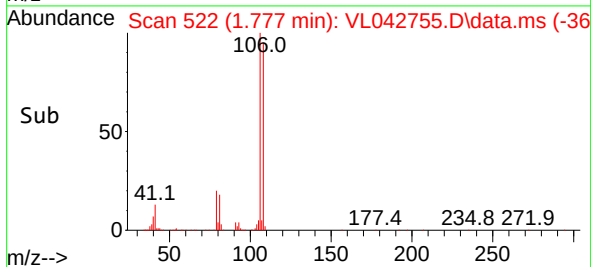
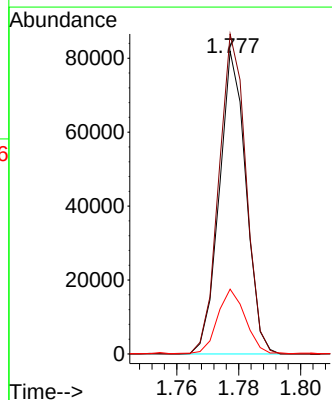
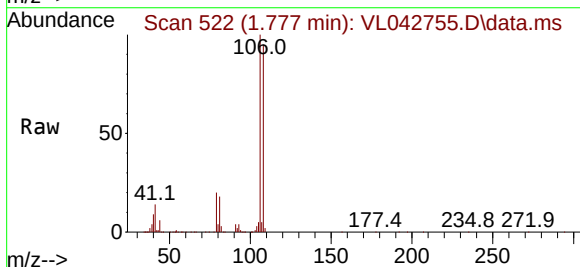
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

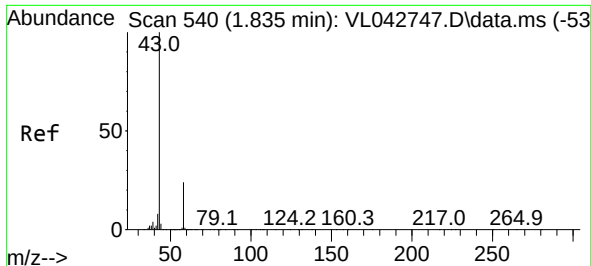
Tgt Ion: 45 Resp: 7690
Ion Ratio Lower Upper
45 100
46 39.7 17.8 71.4



#14
Bromoethene
Concen: 9.020 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 108 Resp: 48972
Ion Ratio Lower Upper
108 100
106 107.5 84.7 127.1
79 23.5 17.4 26.2

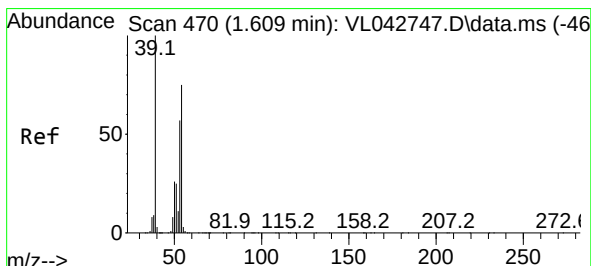
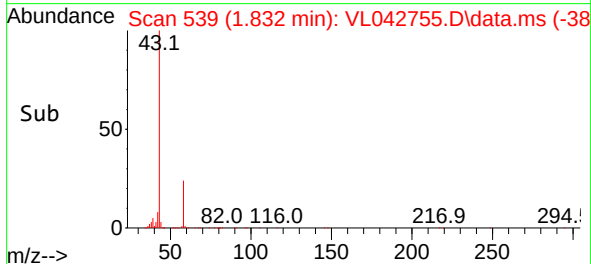
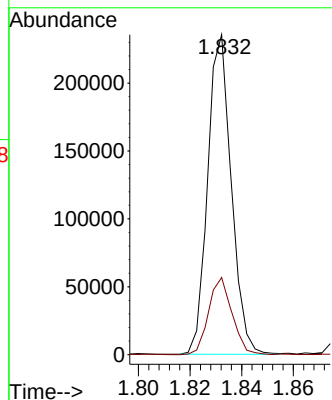
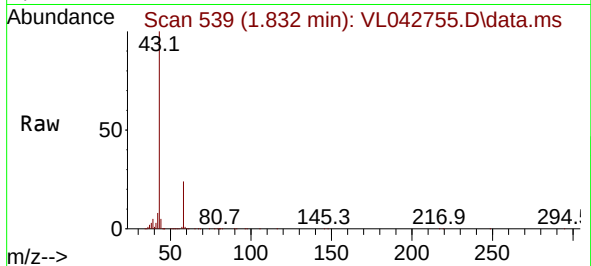




#15
Acetone
Concen: 7.324 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

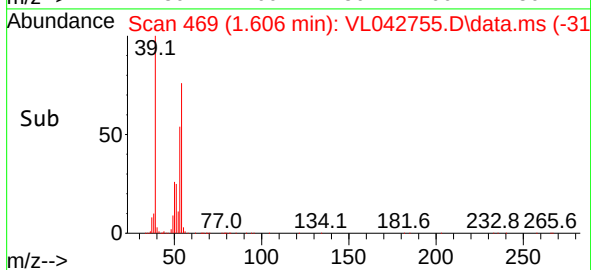
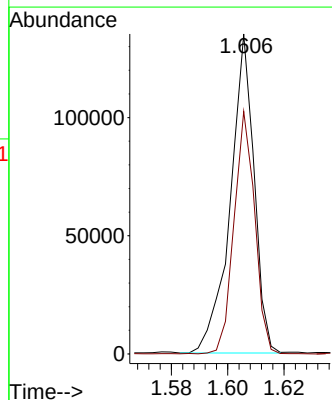
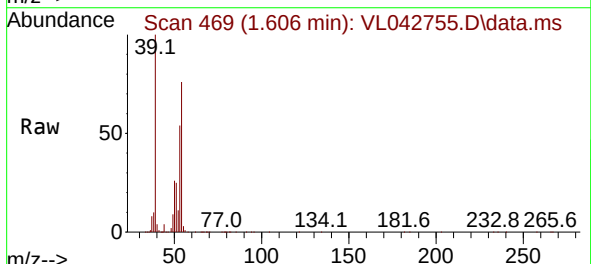
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

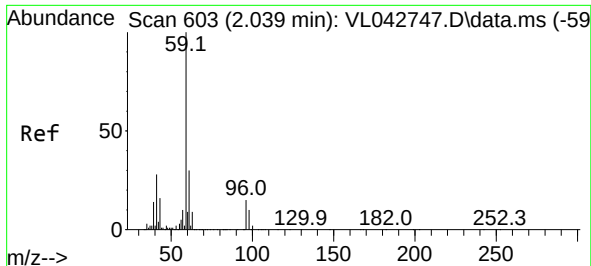
Tgt Ion: 43 Resp: 149742
Ion Ratio Lower Upper
43 100
58 24.2 19.8 29.8



#16
1,3-Butadiene
Concen: 9.072 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 39 Resp: 79112
Ion Ratio Lower Upper
39 100
54 66.6 54.5 81.7





#17

tert-Butyl alcohol

Concen: 9.225 ppbv

RT: 2.036 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

Instrument :

MSVOA_L

ClientSampleId :

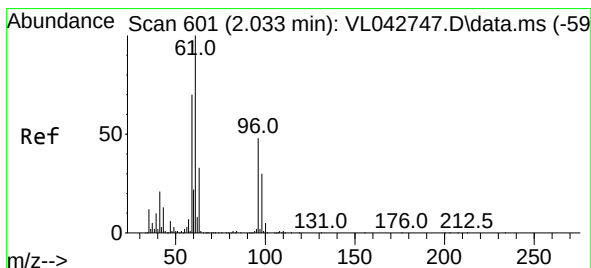
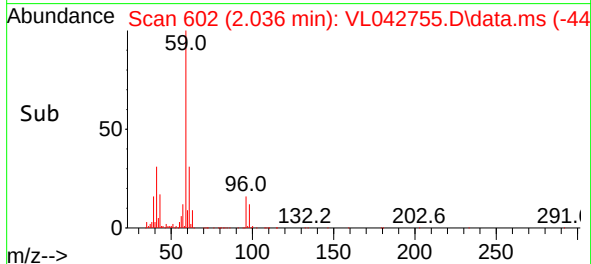
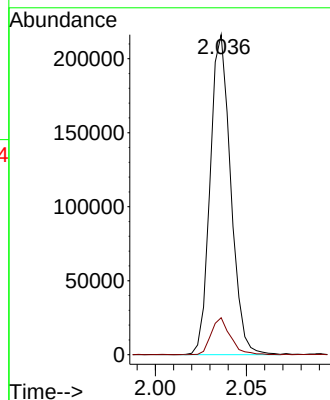
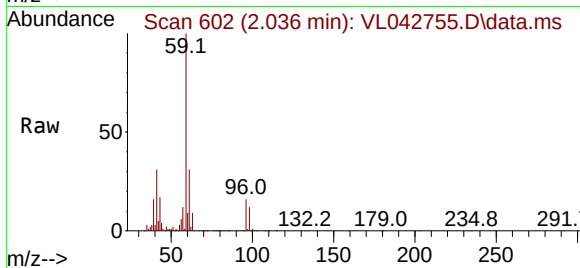
ICVVL072325

Tgt Ion: 59 Resp: 170096

Ion Ratio Lower Upper

59 100

57 11.0 8.3 12.5



#18

1,1-Dichloroethene

Concen: 8.970 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.003 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

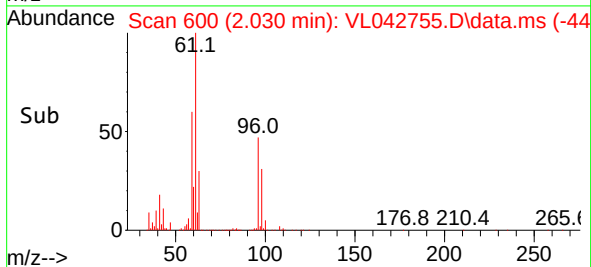
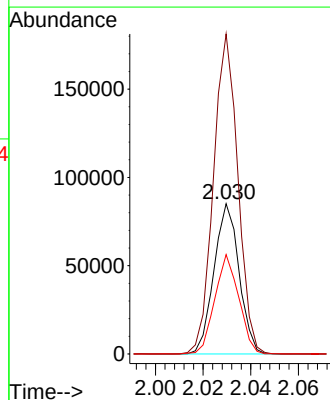
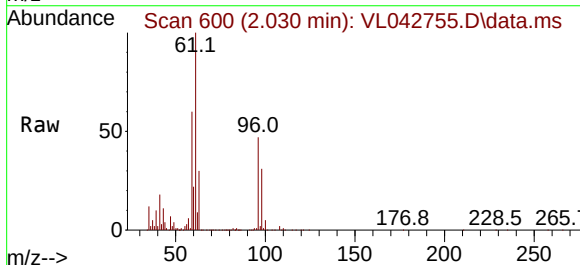
Tgt Ion: 96 Resp: 62149

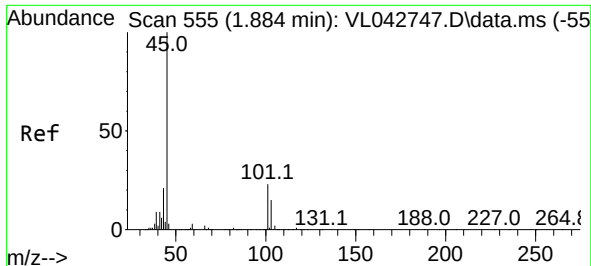
Ion Ratio Lower Upper

96 100

61 212.9 165.8 248.6

98 66.1 49.9 74.9

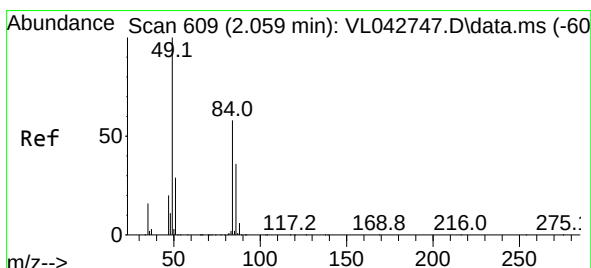
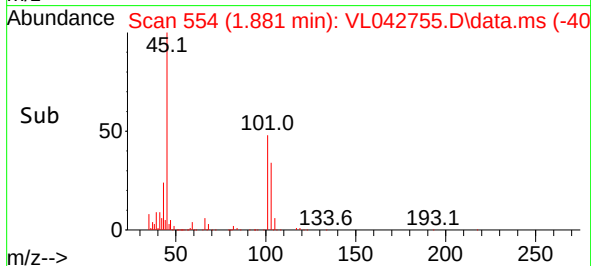
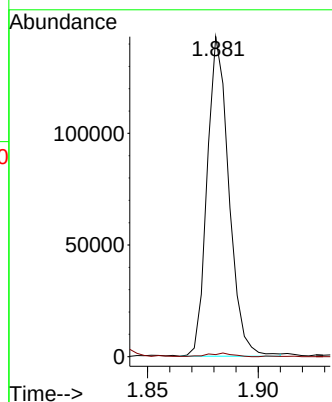
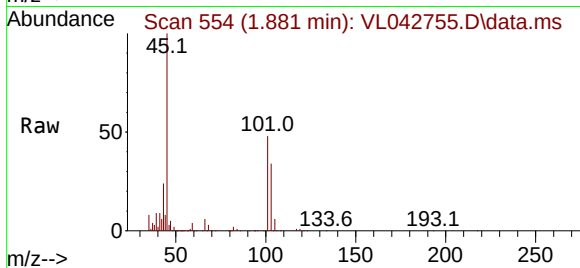




#19
Isopropyl Alcohol
Concen: 9.006 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

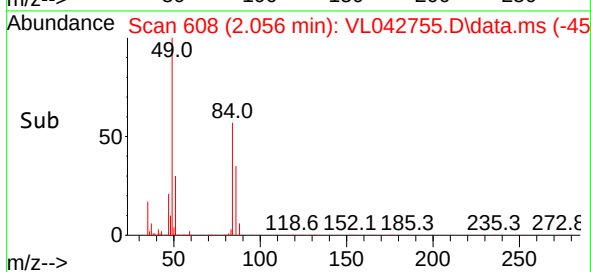
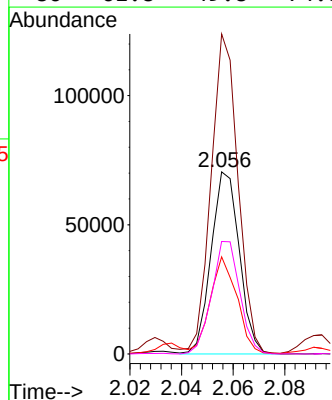
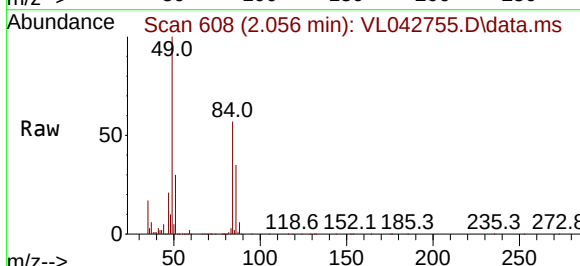
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

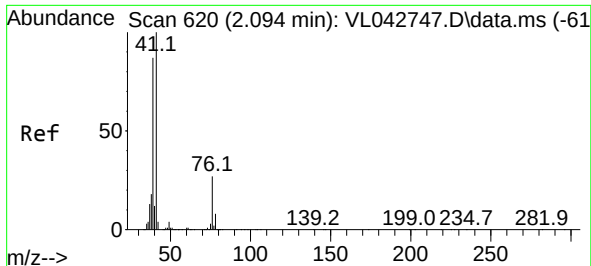
Tgt Ion: 45 Resp: 97844
Ion Ratio Lower Upper
45 100
58 37.1 30.0 45.0



#20
Methylene Chloride
Concen: 8.320 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 84 Resp: 53608
Ion Ratio Lower Upper
84 100
49 175.3 138.6 208.0
51 53.0 40.6 61.0
86 61.8 49.8 74.8

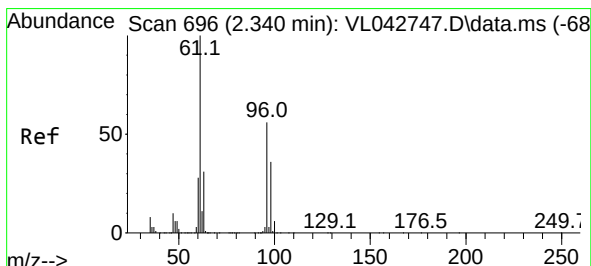
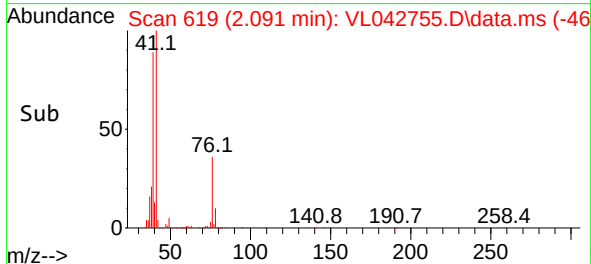
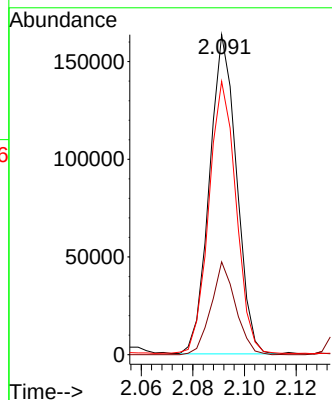
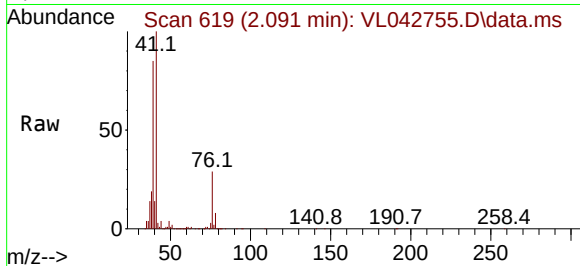




#21
 Allyl Chloride
 Concen: 9.441 ppbv
 RT: 2.091 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

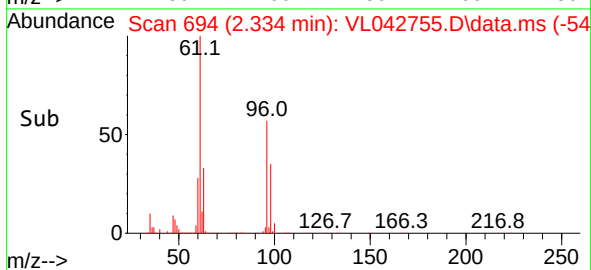
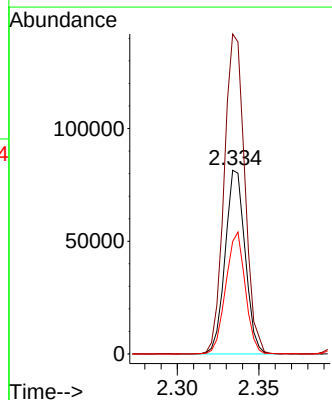
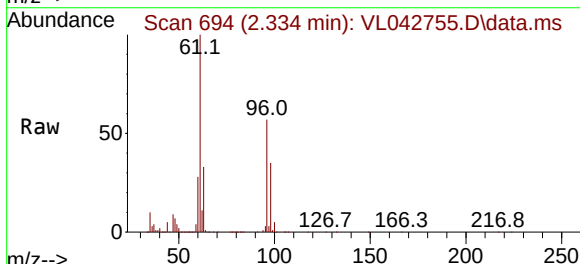
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072325

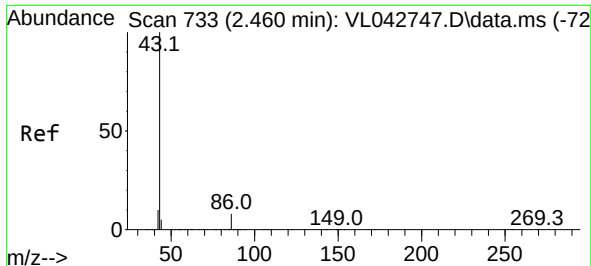
Tgt Ion: 41 Resp: 118958
 Ion Ratio Lower Upper
 41 100
 76 26.3 21.1 31.7
 39 85.9 68.3 102.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.322 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. -0.006 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Tgt Ion: 96 Resp: 69482
 Ion Ratio Lower Upper
 96 100
 61 174.3 142.3 213.5
 98 61.3 50.6 76.0



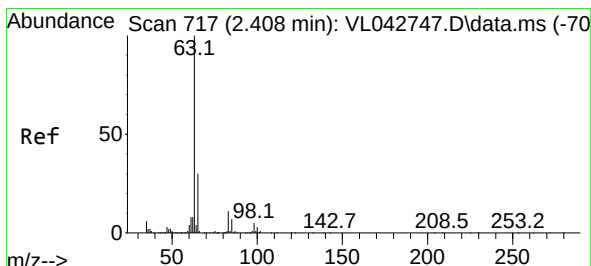
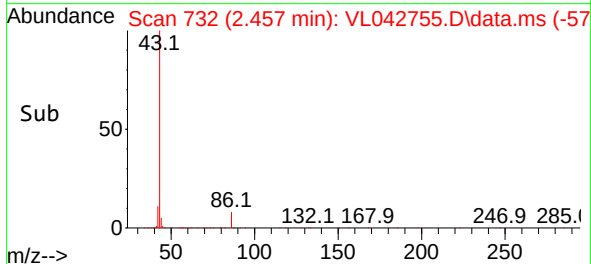
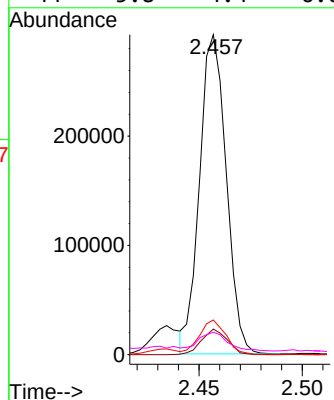
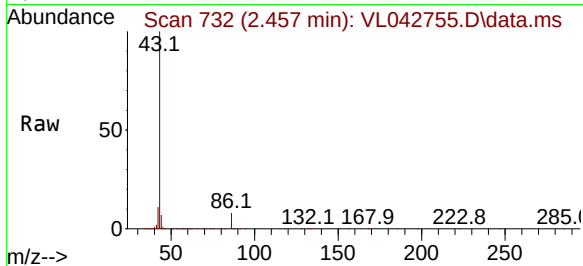


#23
 Vinyl Acetate
 Concen: 10.568 ppbv
 RT: 2.457 min Scan# 715
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL072325

Tgt Ion: 43 Resp: 261938

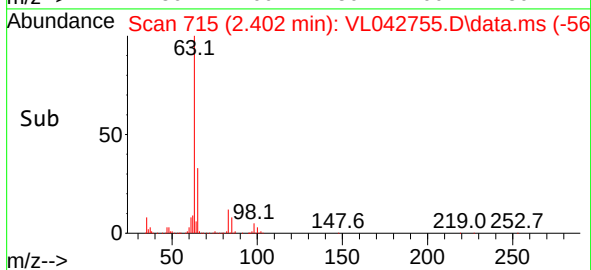
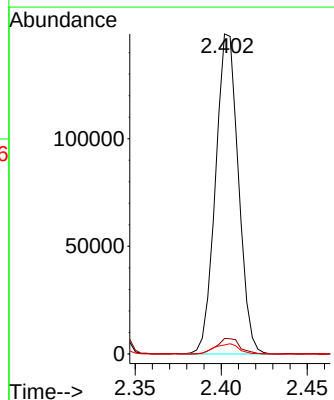
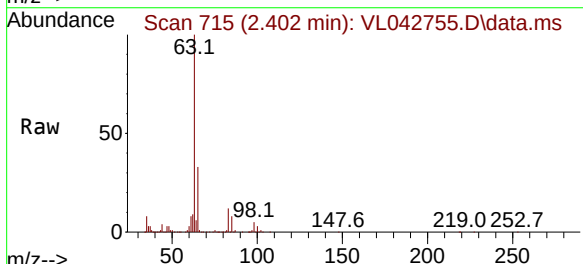
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.1	9.1
42	10.7	7.8	11.8
44	5.8	4.4	6.6

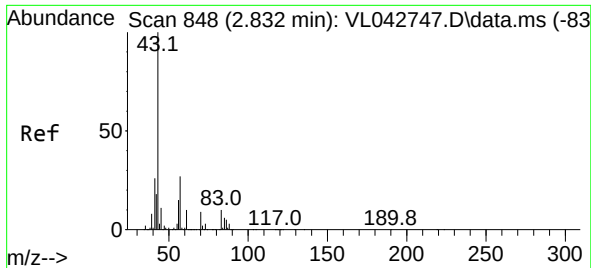


#24
 1,1-Dichloroethane
 Concen: 8.993 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. -0.006 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Tgt Ion: 63 Resp: 137586

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.4
100	2.8	1.6	4.8



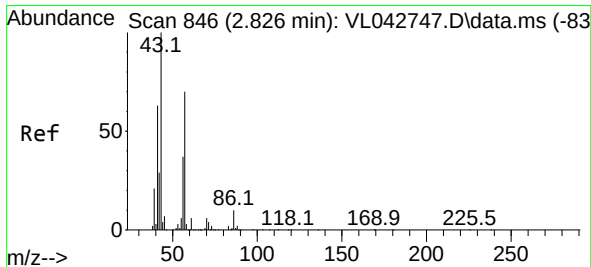
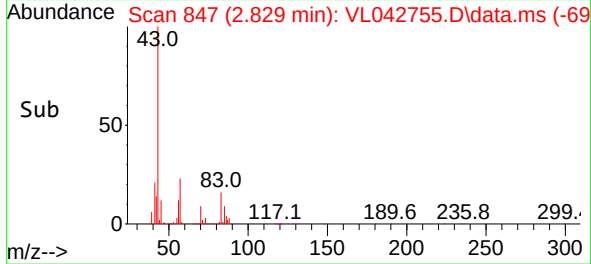
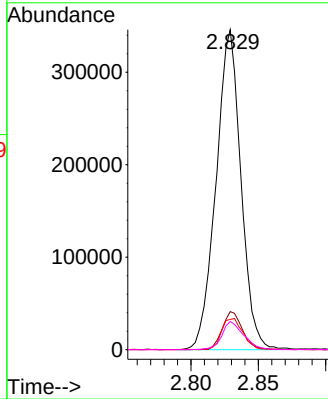
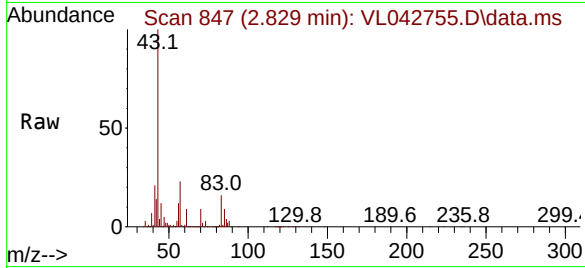


#25
Ethyl Acetate
Concen: 9.816 ppbv
RT: 2.829 min Scan# 844
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

Tgt Ion: 43 Resp: 444208

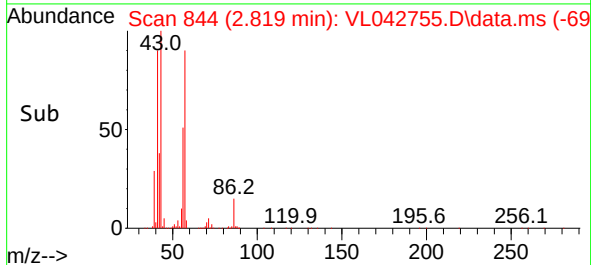
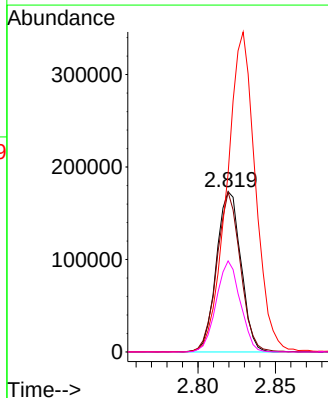
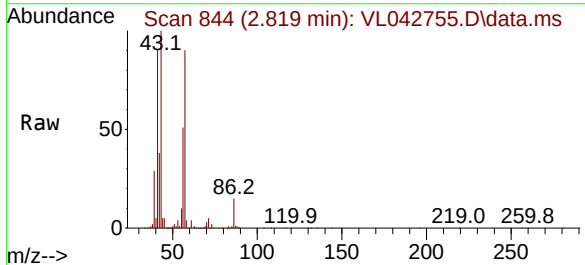
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	8.7	6.7	10.1
70	7.8	6.6	10.0

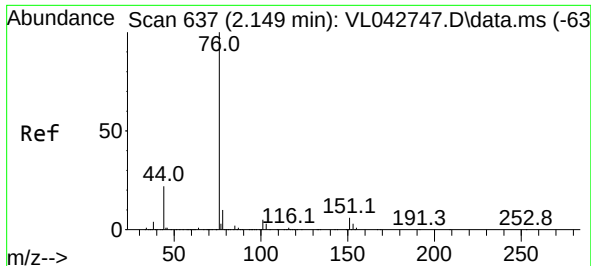


#26
Hexane
Concen: 9.597 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 57 Resp: 190523

Ion	Ratio	Lower	Upper
57	100		
41	96.3	75.4	113.2
43	234.2	185.0	277.6
56	55.7	42.9	64.3

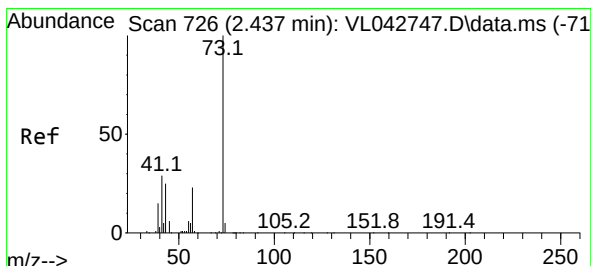
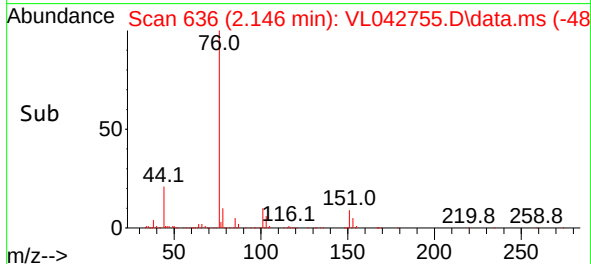
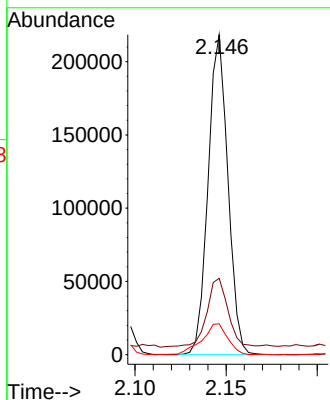
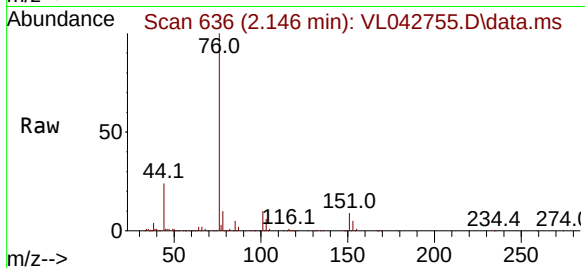




#27
Carbon Disulfide
Concen: 9.652 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

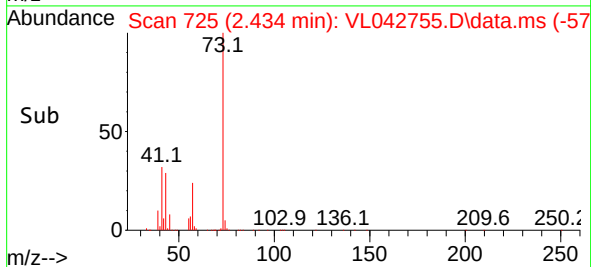
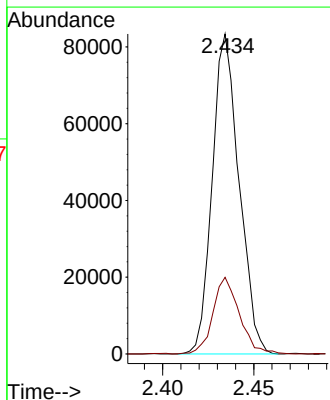
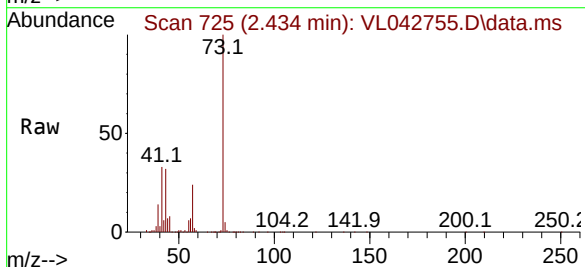
Instrument :
MSVOA_1
ClientSampleId :
ICVVL072325

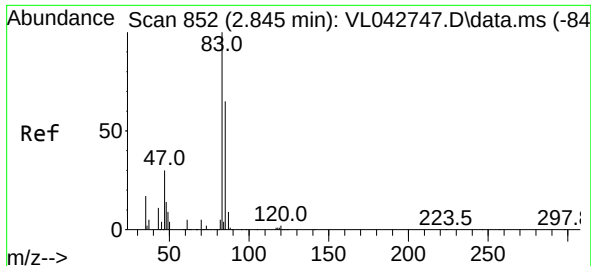
Tgt Ion: 76 Resp: 164040
Ion Ratio Lower Upper
76 100
44 23.7 19.3 28.9
78 12.7 9.9 14.9



#28
Methyl tert-Butyl Ether
Concen: 9.114 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 73 Resp: 85480
Ion Ratio Lower Upper
73 100
57 23.8 19.8 29.8





#29

Chloroform

Concen: 9.643 ppbv

RT: 2.842 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

Instrument :

MSVOA_L

ClientSampleId :

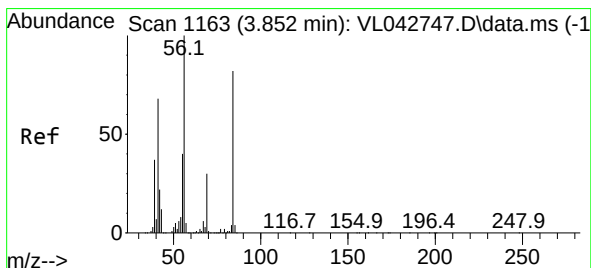
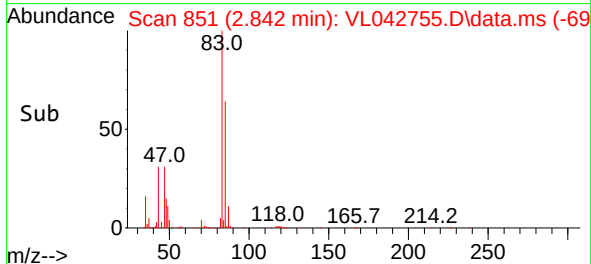
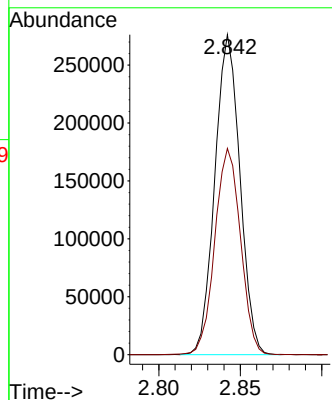
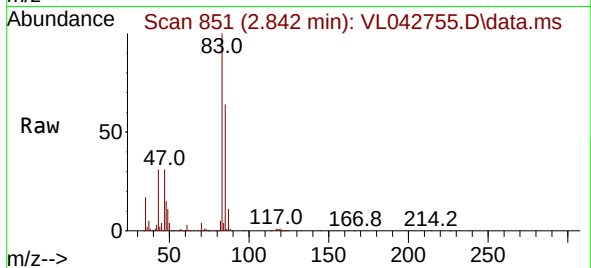
ICVVL072325

Tgt Ion: 83 Resp: 295808

Ion Ratio Lower Upper

83 100

85 64.4 52.2 78.2



#30

Cyclohexane

Concen: 9.773 ppbv

RT: 3.849 min Scan# 1162

Delta R.T. -0.003 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

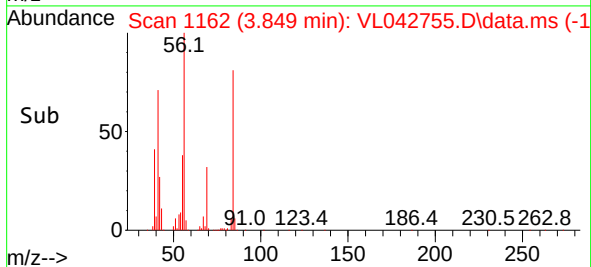
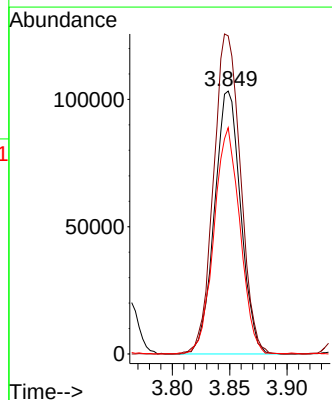
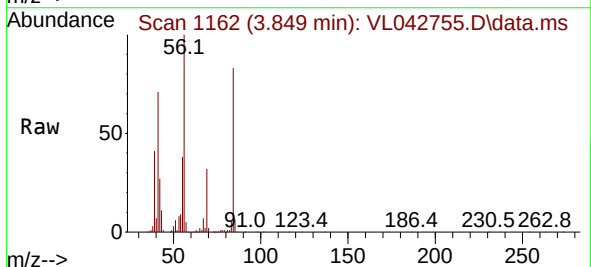
Tgt Ion: 84 Resp: 164554

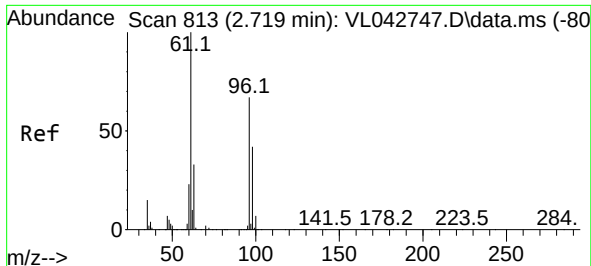
Ion Ratio Lower Upper

84 100

56 124.9 97.5 146.3

41 85.5 67.2 100.8

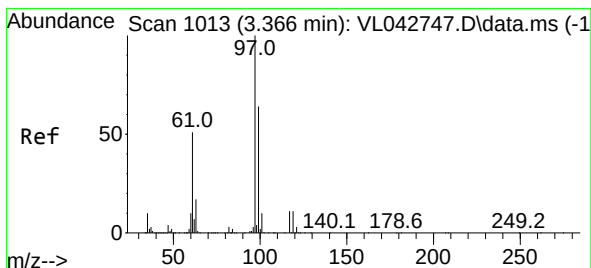
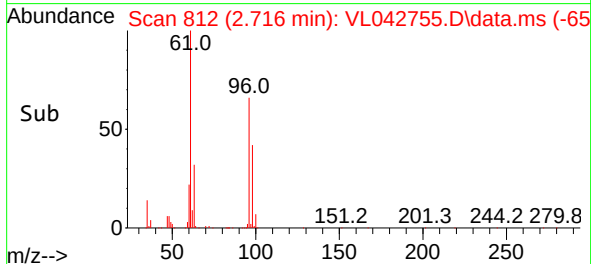
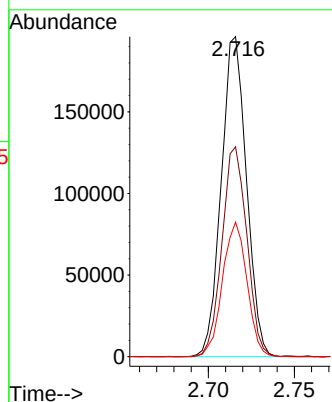
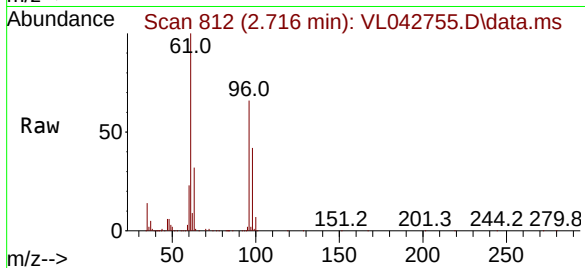




#31
 cis-1,2-Dichloroethene
 Concen: 9.802 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

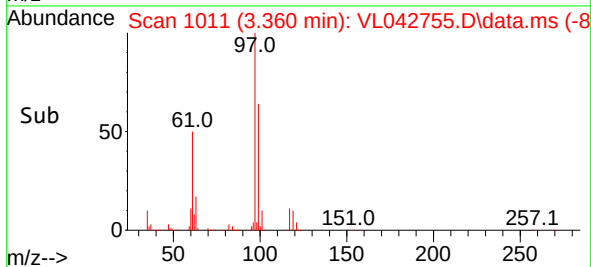
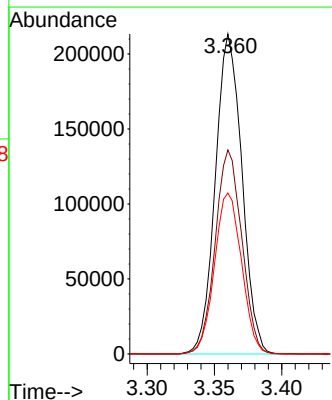
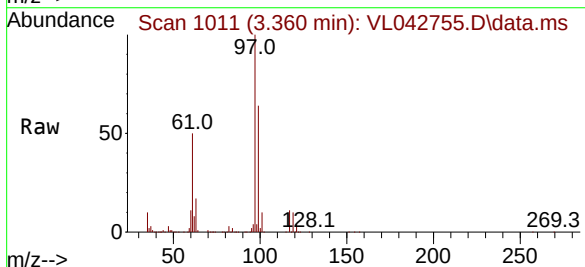
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072325

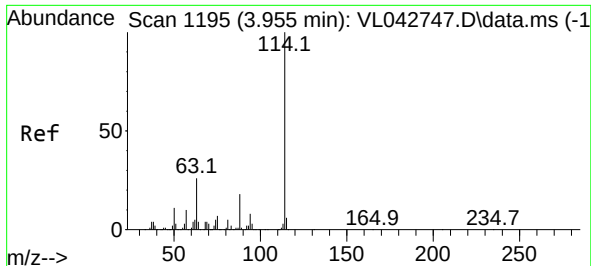
Tgt Ion: 61 Resp: 199970
 Ion Ratio Lower Upper
 61 100
 96 65.6 53.5 80.3
 98 42.1 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 9.172 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. -0.006 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Tgt Ion: 97 Resp: 293074
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.0 76.6
 61 51.4 40.9 61.3

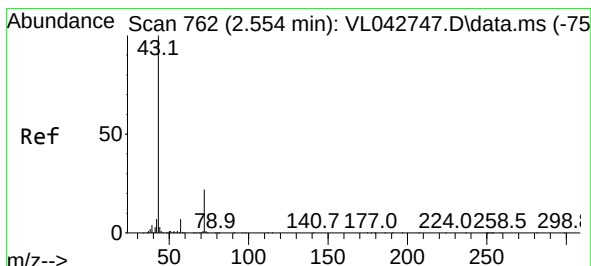
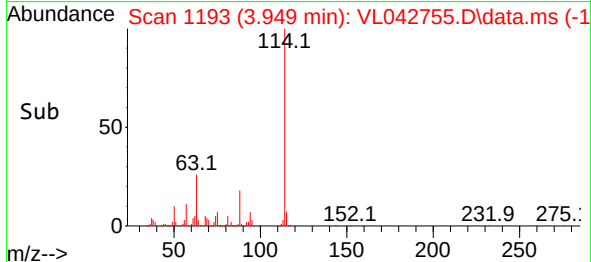
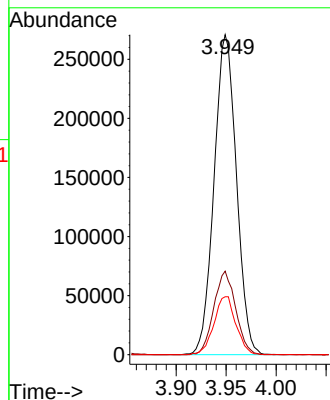
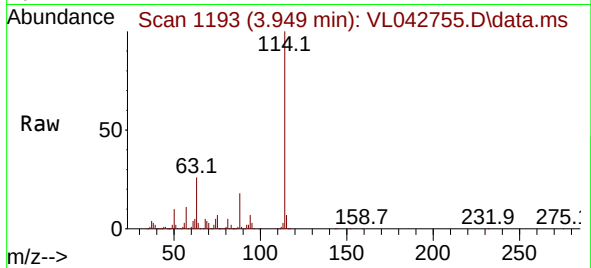




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.949 min Scan# 1193
 Delta R.T. -0.006 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

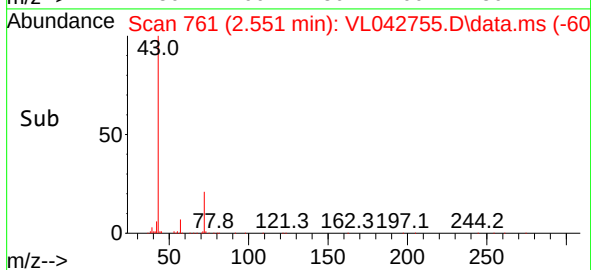
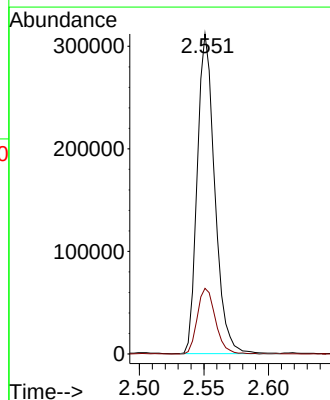
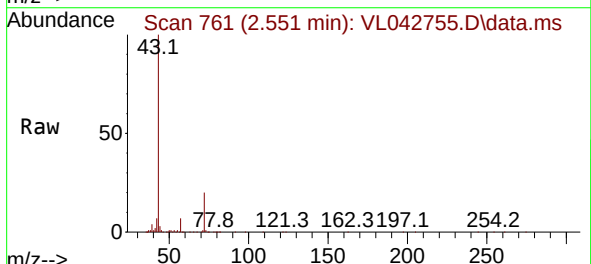
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072325

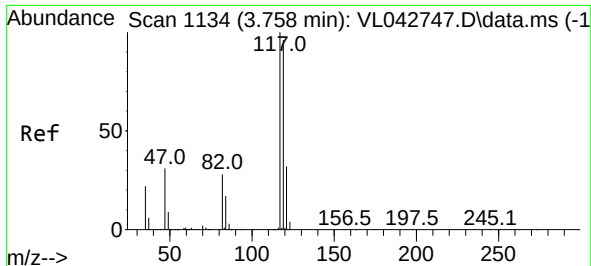
Tgt Ion:114 Resp: 421747
 Ion Ratio Lower Upper
 114 100
 63 25.6 20.5 30.7
 88 17.8 14.0 21.0



#34
 2-Butanone
 Concen: 9.869 ppbv
 RT: 2.551 min Scan# 761
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Tgt Ion: 43 Resp: 294837
 Ion Ratio Lower Upper
 43 100
 72 21.4 17.4 26.0

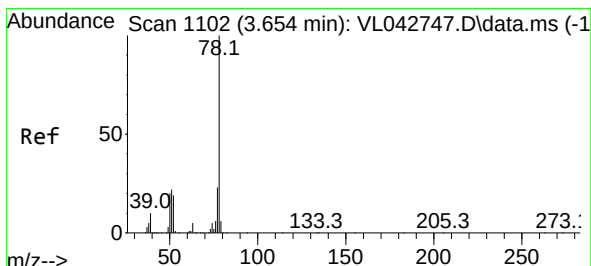
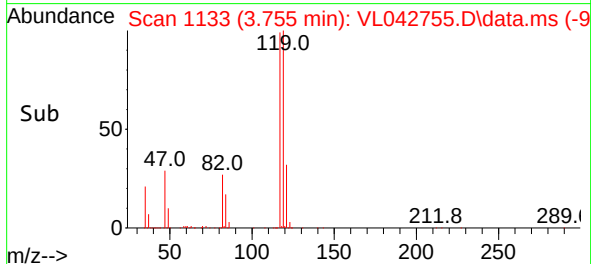
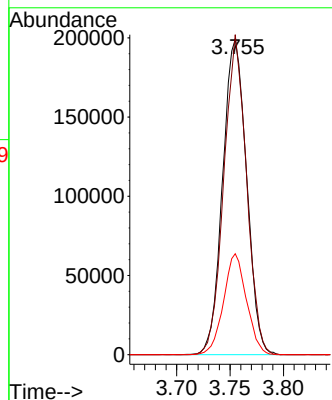
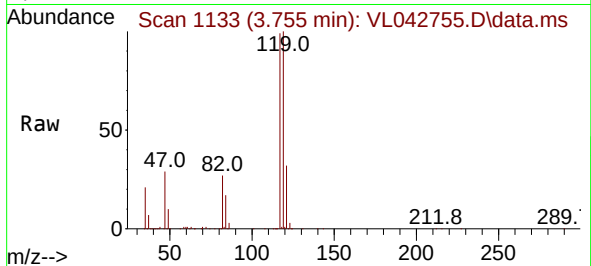




#35
Carbon Tetrachloride
Concen: 9.900 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

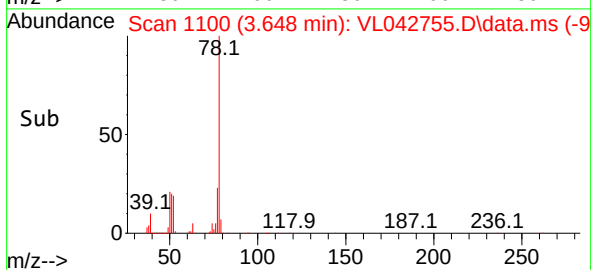
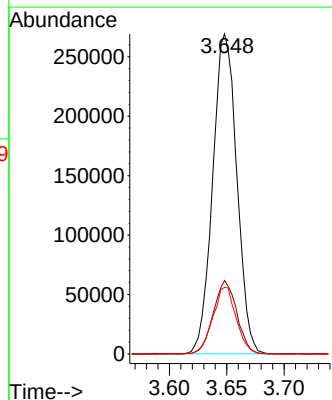
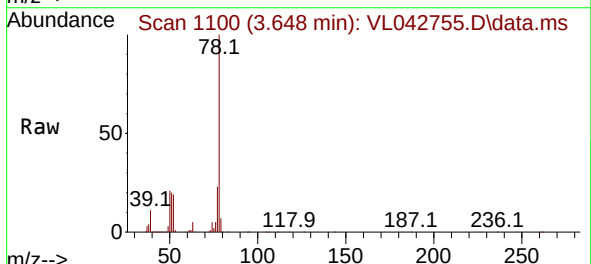
Instrument : MSVOA_L
ClientSampleId : ICVVL072325

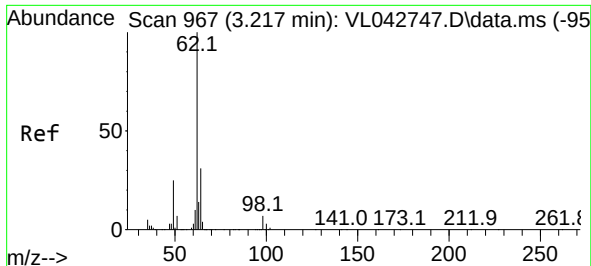
Tgt Ion:117 Resp: 310129
Ion Ratio Lower Upper
117 100
119 101.4 77.1 115.7
121 32.0 25.5 38.3



#36
Benzene
Concen: 9.834 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 78 Resp: 393085
Ion Ratio Lower Upper
78 100
77 22.9 18.5 27.7
50 20.8 16.2 24.2

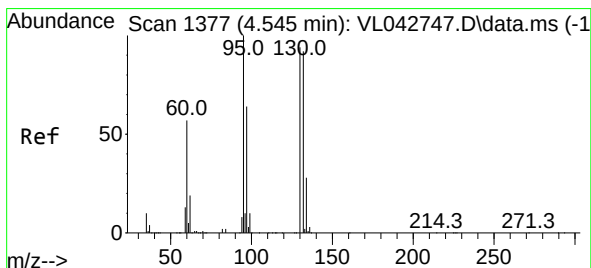
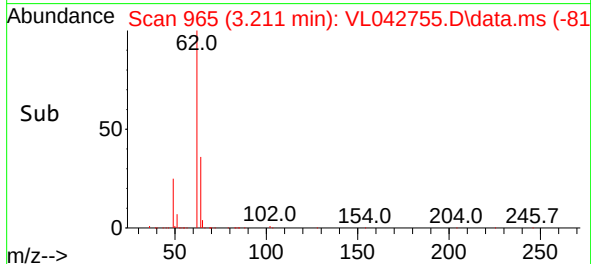
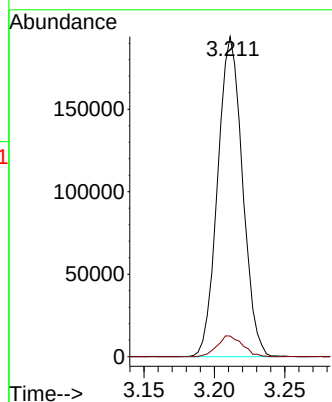
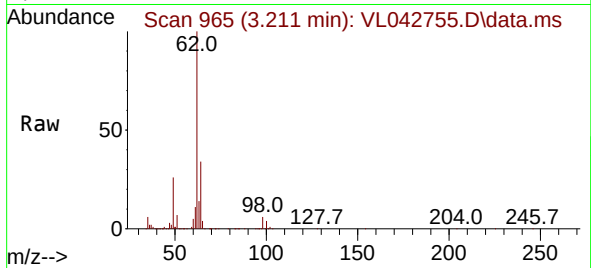




#37
1,2-Dichloroethane
Concen: 9.895 ppbv
RT: 3.211 min Scan# 90
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

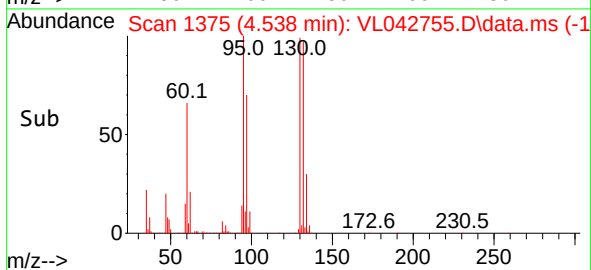
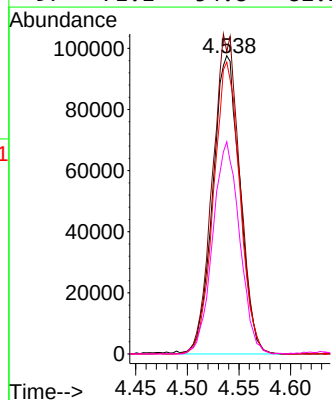
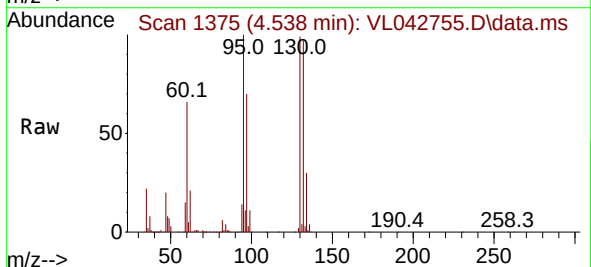
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

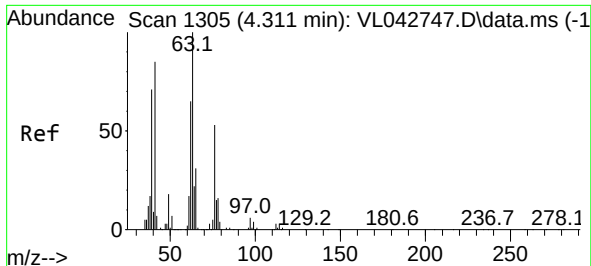
Tgt Ion: 62 Resp: 238249
Ion Ratio Lower Upper
62 100
98 6.6 5.2 7.8



#38
Trichloroethene
Concen: 9.301 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:130 Resp: 178600
Ion Ratio Lower Upper
130 100
95 101.3 85.4 128.2
132 97.7 78.2 117.2
97 71.1 54.8 82.2





#39

1,2-Dichloropropane

Concen: 9.578 ppbv

RT: 4.305 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

Instrument :

MSVOA_L

ClientSampleId :

ICVVL072325

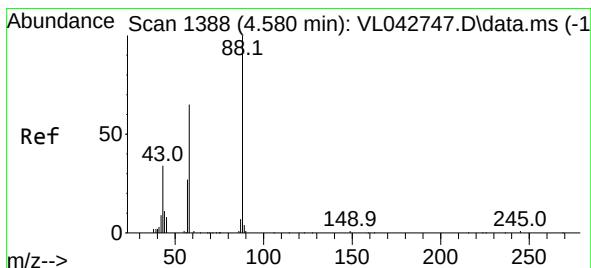
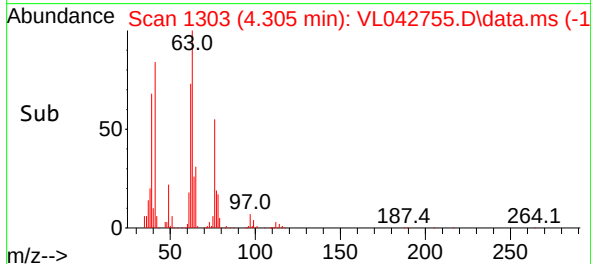
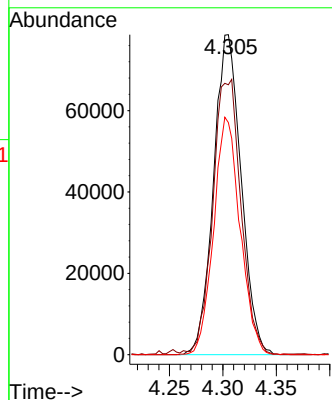
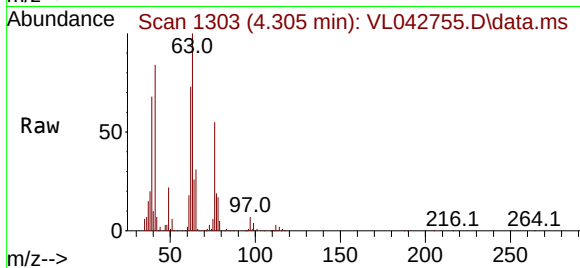
Tgt Ion: 63 Resp: 141316

Ion Ratio Lower Upper

63 100

41 84.3 68.2 102.4

62 72.5 52.0 78.0



#40

1,4-Dioxane

Concen: 9.481 ppbv

RT: 4.570 min Scan# 1385

Delta R.T. -0.010 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

Tgt Ion: 88 Resp: 65204

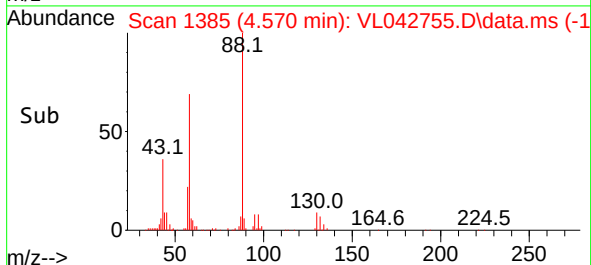
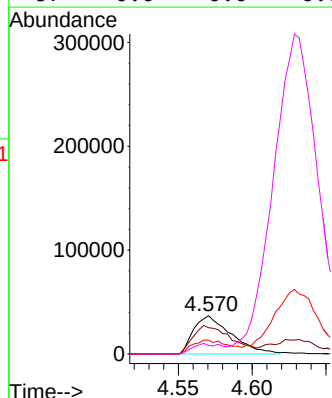
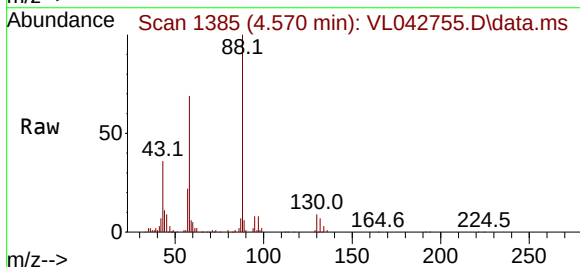
Ion Ratio Lower Upper

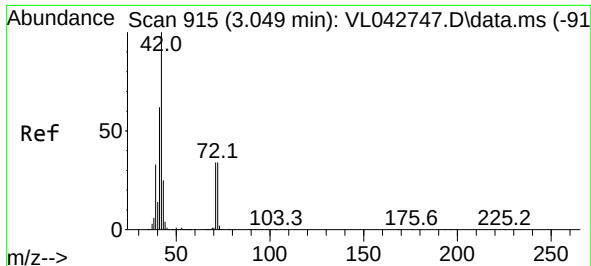
88 100

58 78.4 58.8 88.2

43 32.6 28.9 43.3

57 0.0 0.0 0.0

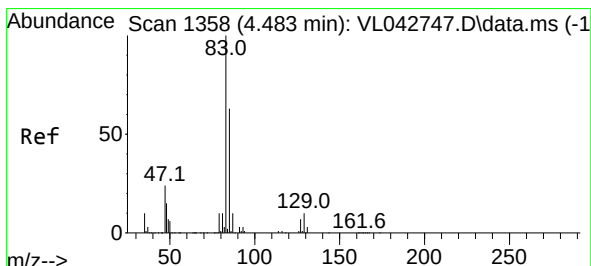
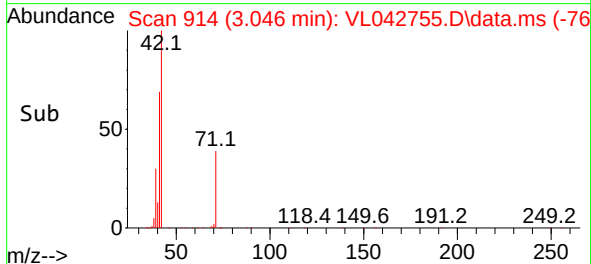
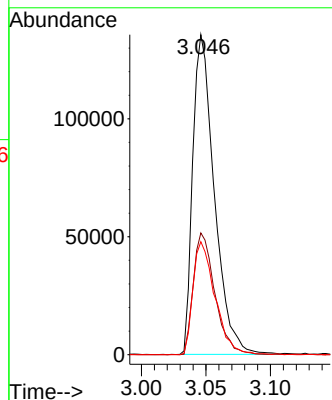
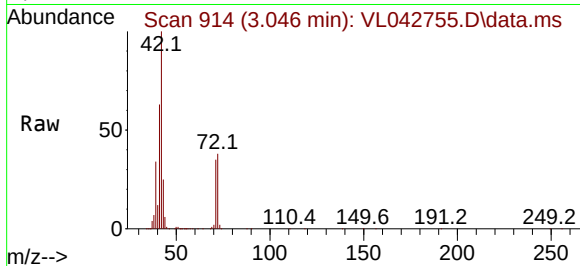




#41
Tetrahydrofuran
Concen: 10.404 ppbv
RT: 3.046 min Scan# 915
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

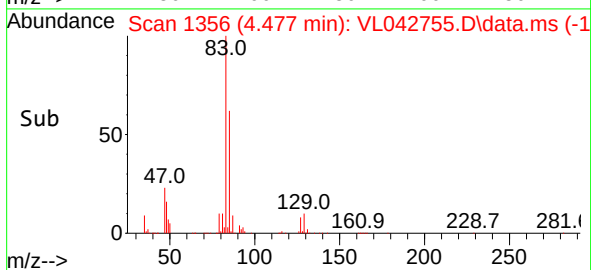
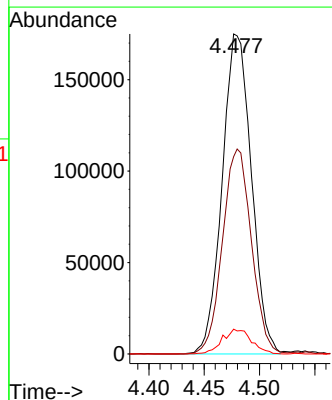
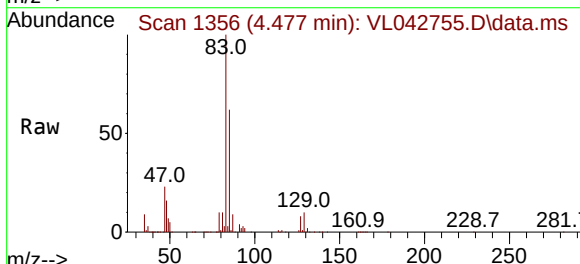
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

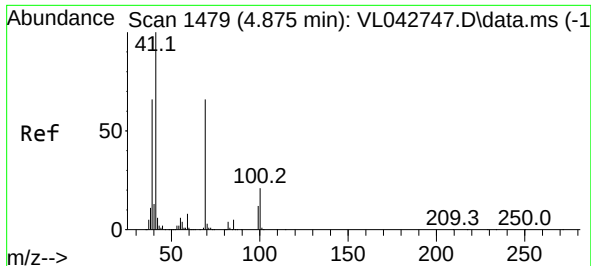
Tgt Ion: 42 Resp: 158159
Ion Ratio Lower Upper
42 100
72 38.2 30.9 46.3
71 36.2 28.6 43.0



#42
Bromodichloromethane
Concen: 10.254 ppbv
RT: 4.477 min Scan# 1356
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 83 Resp: 321549
Ion Ratio Lower Upper
83 100
85 61.6 50.2 75.4
127 7.7 5.4 8.2

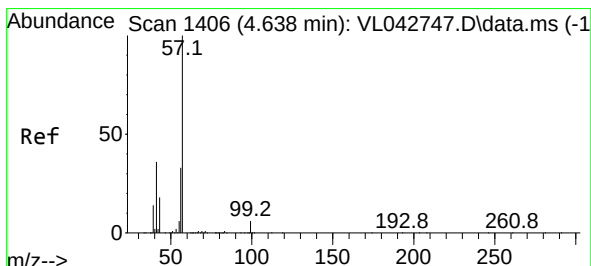
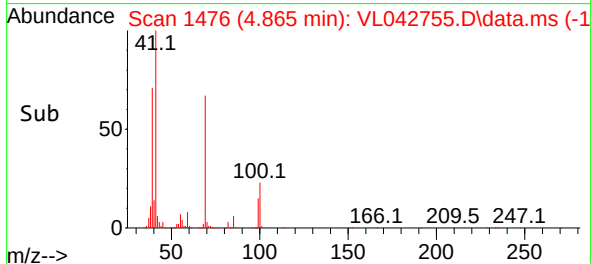
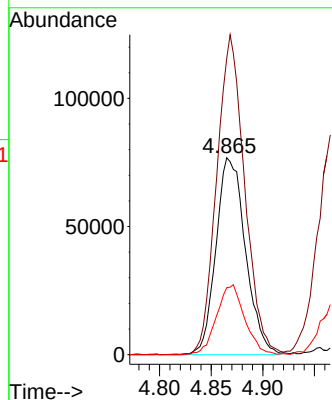
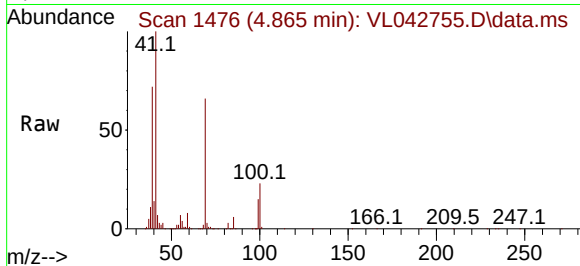




#43
Methyl Methacrylate
Concen: 10.738 ppbv
RT: 4.865 min Scan# 1479
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

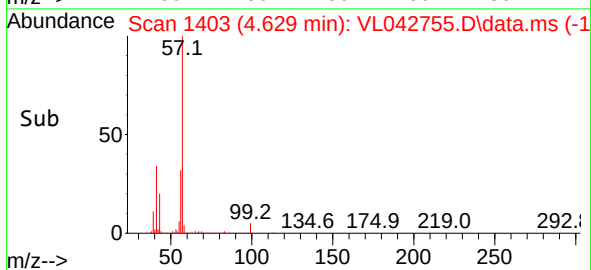
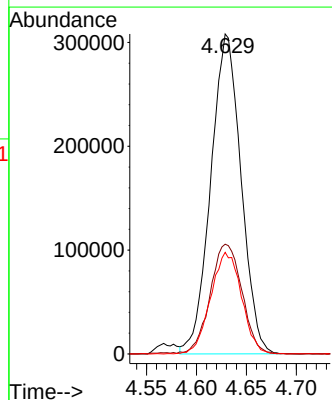
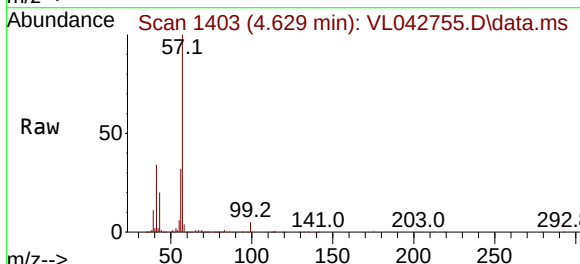
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

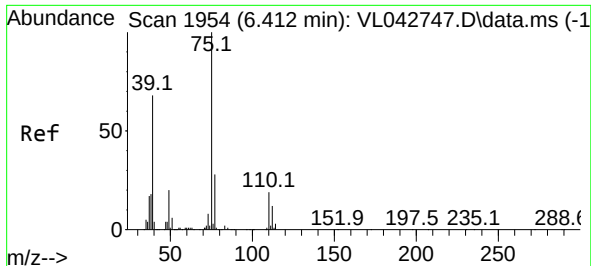
Tgt Ion: 69 Resp: 152551
Ion Ratio Lower Upper
69 100
41 153.9 125.7 188.5
100 33.9 28.6 42.8



#44
2,2,4-Trimethylpentane
Concen: 9.973 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 57 Resp: 649720
Ion Ratio Lower Upper
57 100
41 36.3 28.3 42.5
56 32.4 25.8 38.6

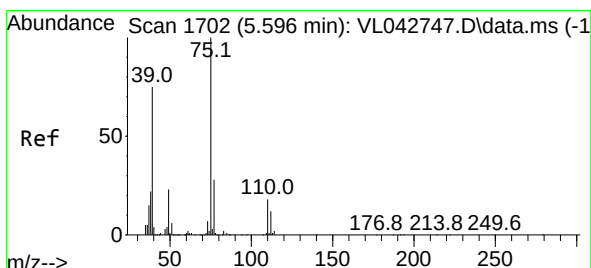
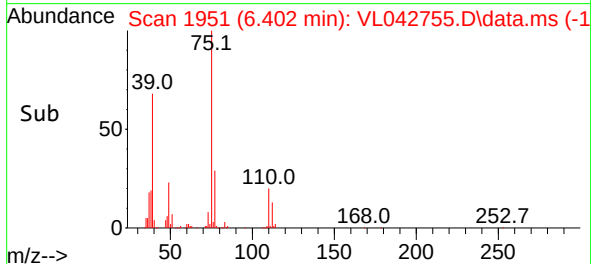
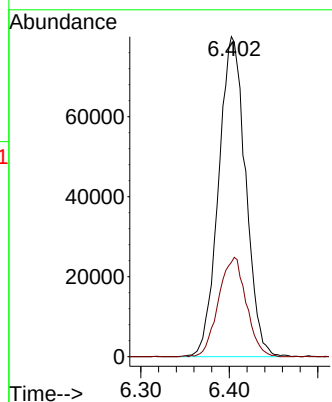
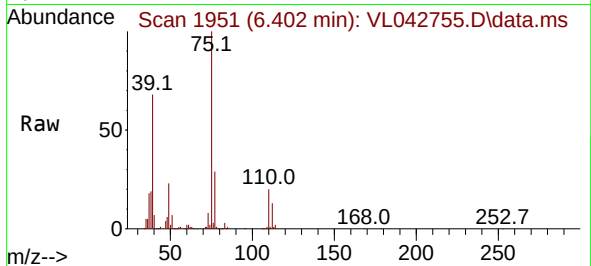




#45
 t-1,3-Dichloropropene
 Concen: 10.643 ppbv
 RT: 6.402 min Scan# 1695
 Delta R.T. -0.010 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

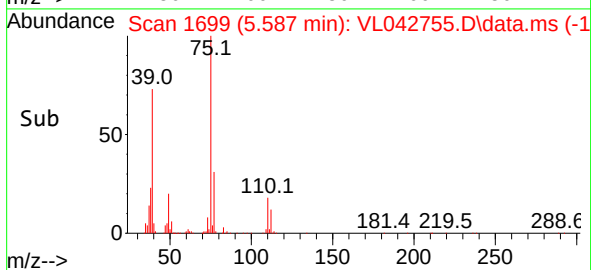
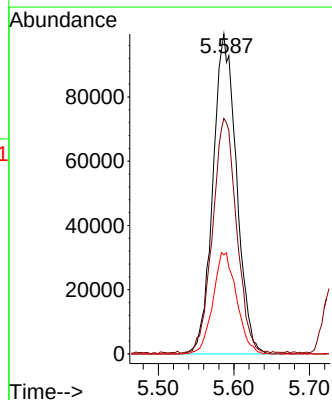
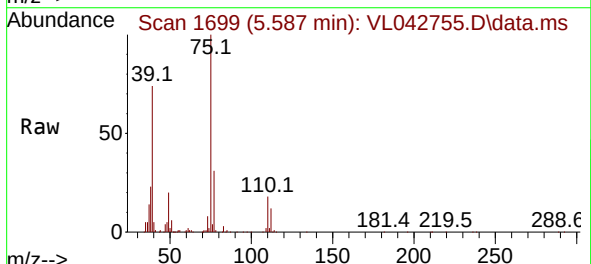
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072325

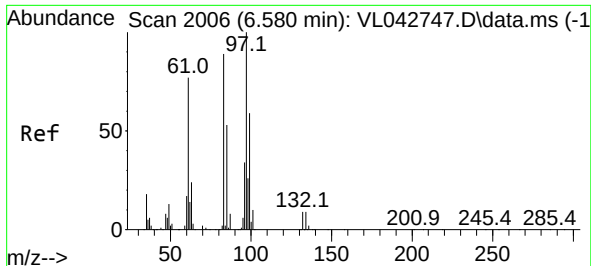
Tgt Ion: 75 Resp: 169563
 Ion Ratio Lower Upper
 75 100
 77 29.5 22.4 33.6



#46
 cis-1,3-Dichloropropene
 Concen: 10.679 ppbv
 RT: 5.587 min Scan# 1699
 Delta R.T. -0.010 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Tgt Ion: 75 Resp: 215596
 Ion Ratio Lower Upper
 75 100
 39 73.3 60.2 90.2
 77 30.9 22.6 34.0





#47

1,1,2-Trichloroethane

Concen: 5.445 ppbv

RT: 6.571 min Scan# 2006

Delta R.T. -0.010 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

Instrument :

MSVOA_L

ClientSampleId :

ICVVL072325

Tgt Ion: 97 Resp: 85637

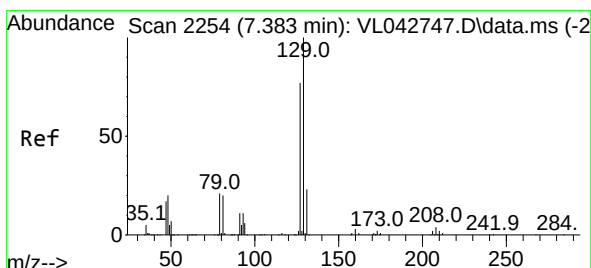
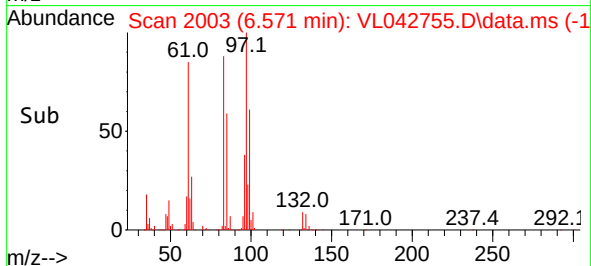
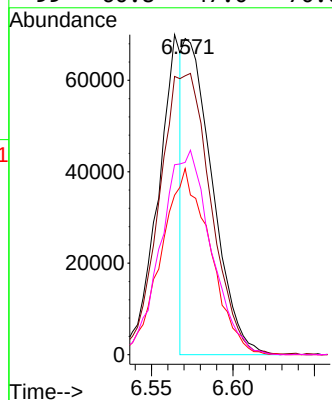
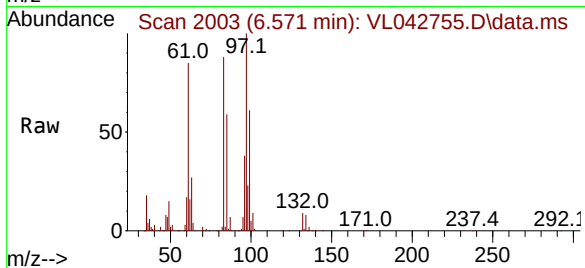
Ion Ratio Lower Upper

97 100

83 88.0 71.1 106.7

85 58.7 43.0 64.4

99 60.8 47.0 70.6



#48

Dibromochloromethane

Concen: 10.460 ppbv

RT: 7.380 min Scan# 2253

Delta R.T. -0.003 min

Lab File: VL042755.D

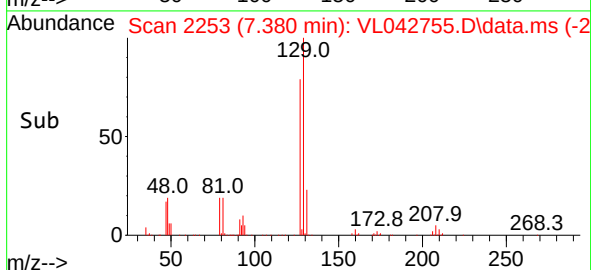
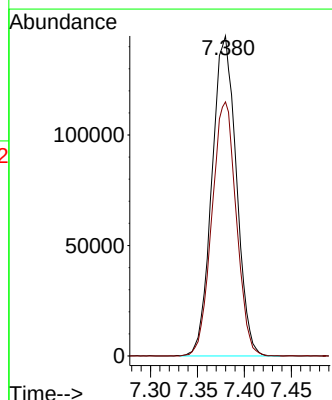
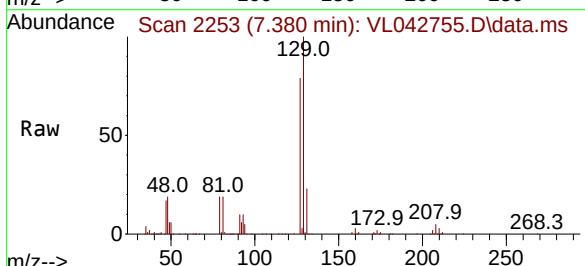
Acq: 23 Jul 2025 14:33

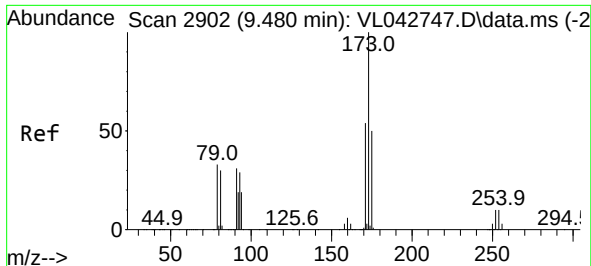
Tgt Ion: 129 Resp: 261174

Ion Ratio Lower Upper

129 100

127 79.4 38.7 116.1





#49

Bromoform

Concen: 10.729 ppbv

RT: 9.477 min Scan# 2902

Delta R.T. -0.003 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

Instrument :

MSVOA_L

ClientSampleId :

ICVVL072325

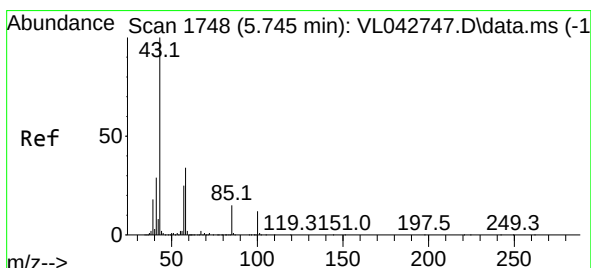
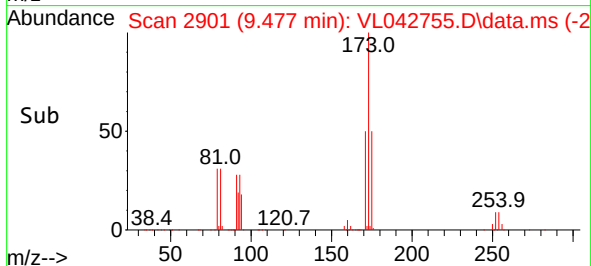
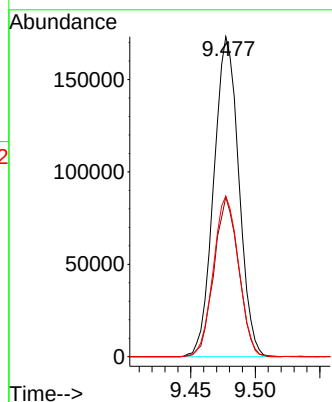
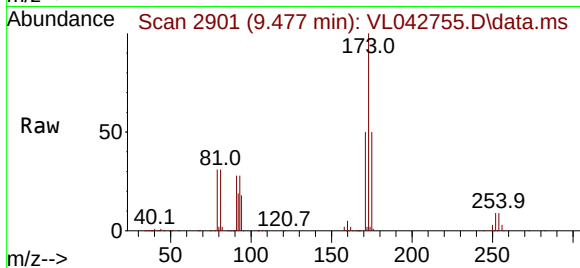
Tgt Ion:173 Resp: 233573

Ion Ratio Lower Upper

173 100

175 49.0 38.4 57.6

171 50.7 40.9 61.3



#50

4-Methyl-2-Pentanone

Concen: 10.303 ppbv

RT: 5.736 min Scan# 1745

Delta R.T. -0.010 min

Lab File: VL042755.D

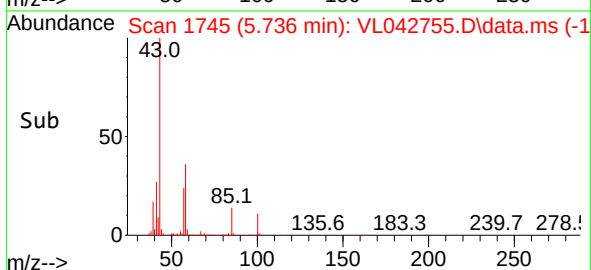
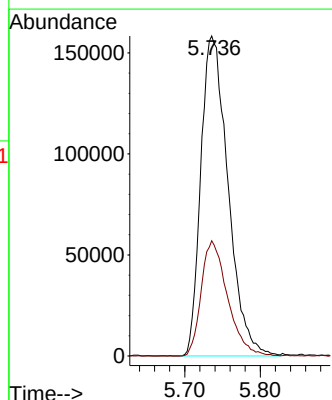
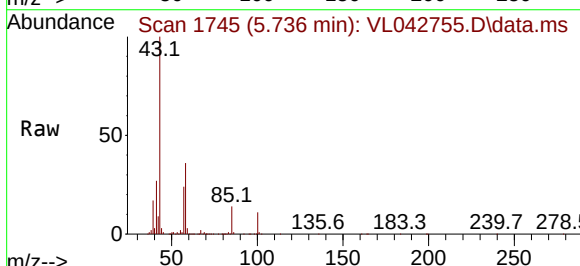
Acq: 23 Jul 2025 14:33

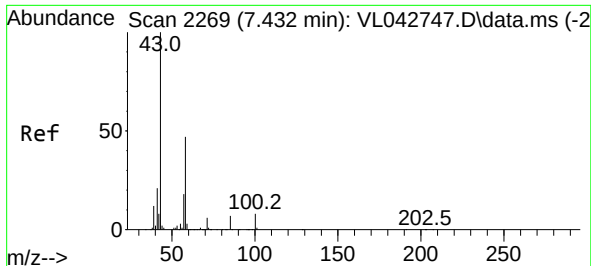
Tgt Ion: 43 Resp: 396506

Ion Ratio Lower Upper

43 100

58 34.9 27.8 41.8

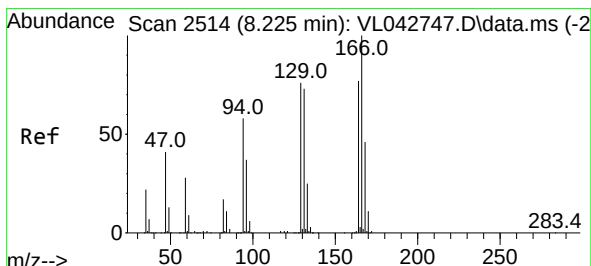
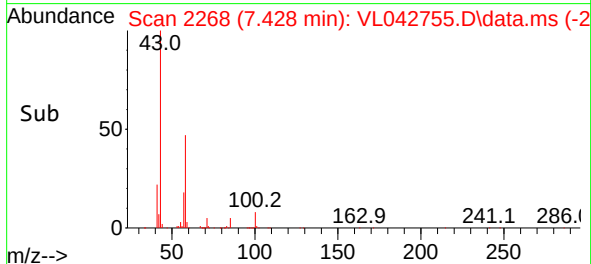
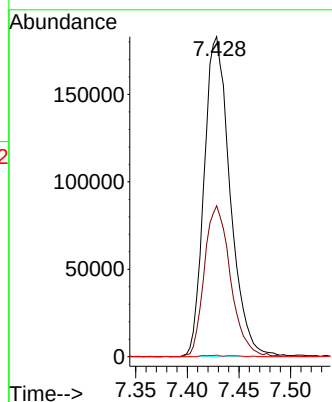
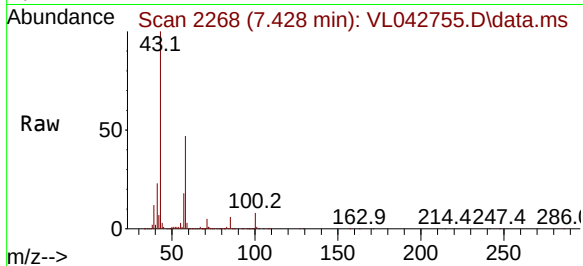




#51
2-Hexanone
Concen: 11.029 ppbv
RT: 7.428 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

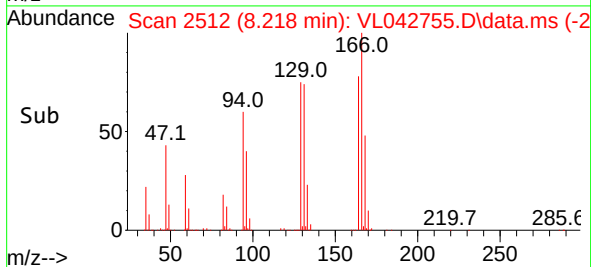
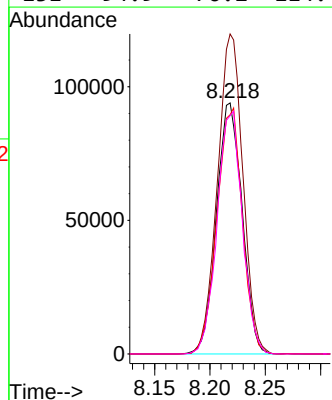
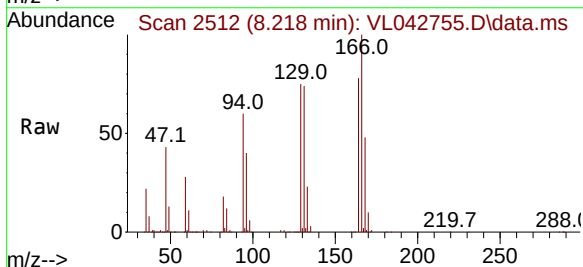
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

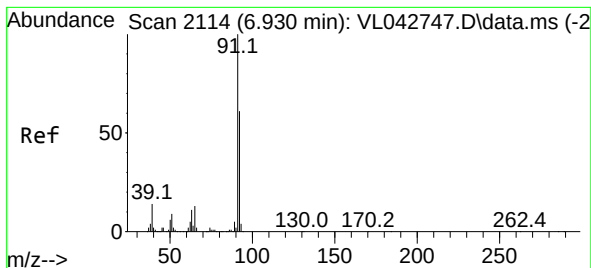
Tgt Ion: 43 Resp: 320740
Ion Ratio Lower Upper
43 100
58 47.8 38.0 57.0
98 0.5 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.163 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 164 Resp: 151810
Ion Ratio Lower Upper
164 100
166 127.4 104.0 156.0
129 95.3 79.2 118.8
131 94.9 76.2 114.4





#53

Toluene

Concen: 10.294 ppbv

RT: 6.927 min Scan# 2113

Delta R.T. -0.003 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

Instrument :

MSVOA_L

ClientSampleId :

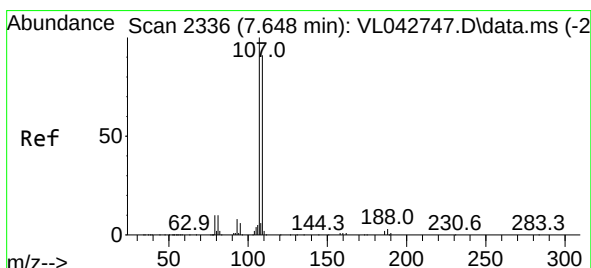
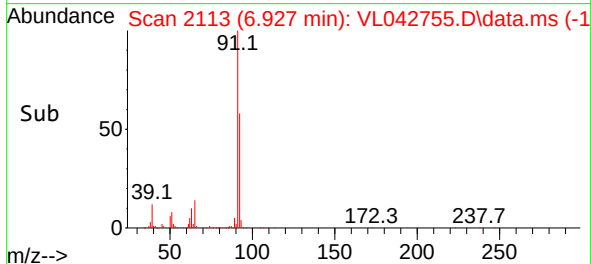
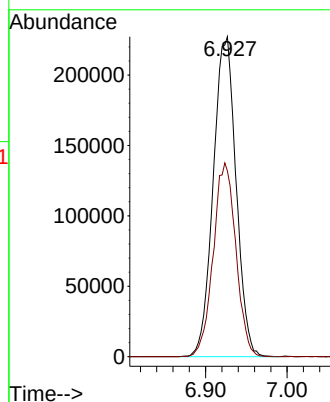
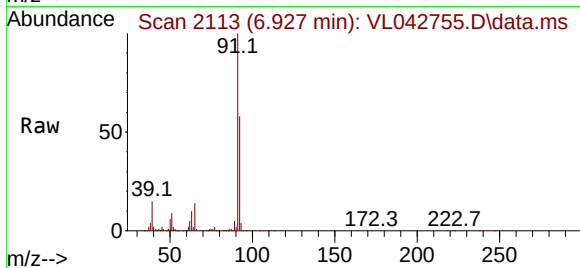
ICVVL072325

Tgt Ion: 91 Resp: 441829

Ion Ratio Lower Upper

91 100

92 60.0 48.0 72.0



#54

1,2-Dibromoethane

Concen: 10.331 ppbv

RT: 7.645 min Scan# 2335

Delta R.T. -0.003 min

Lab File: VL042755.D

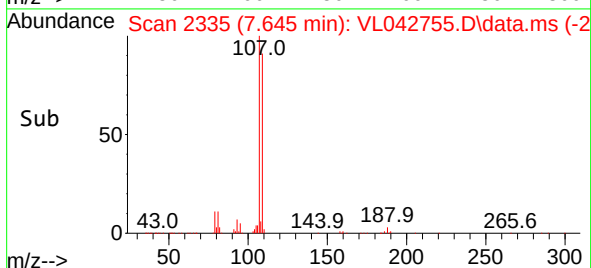
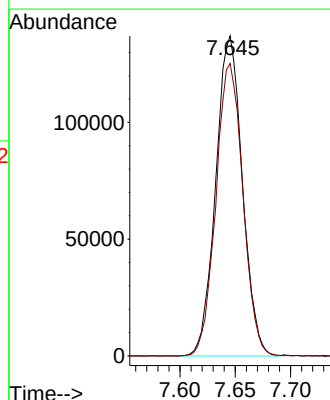
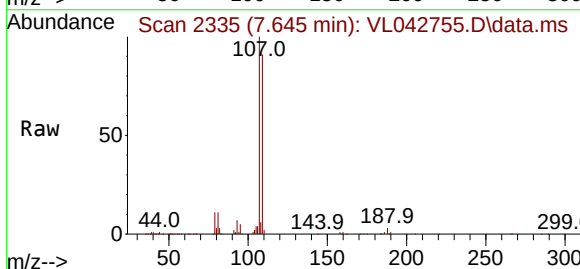
Acq: 23 Jul 2025 14:33

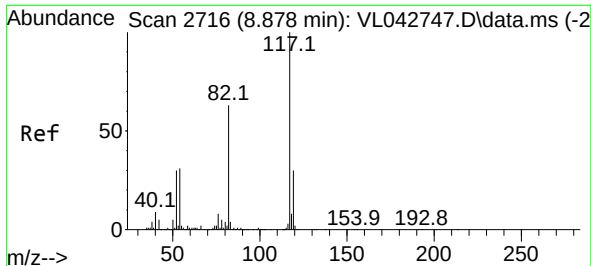
Tgt Ion: 107 Resp: 229563

Ion Ratio Lower Upper

107 100

109 91.3 72.7 109.1

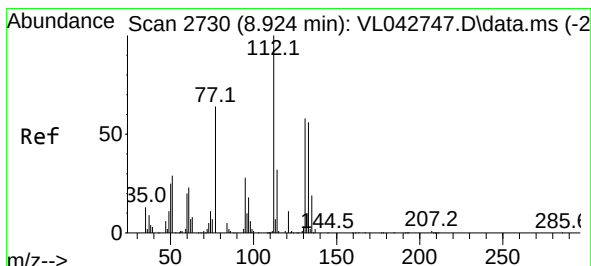
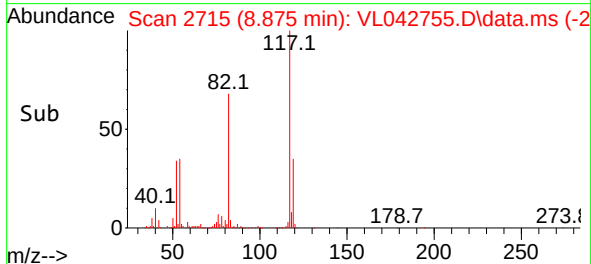
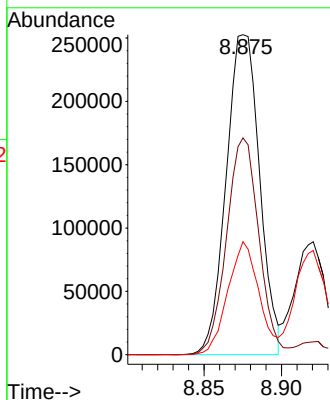
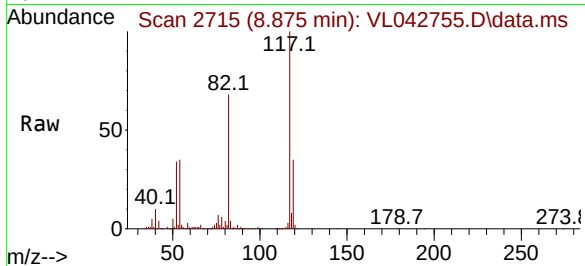




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

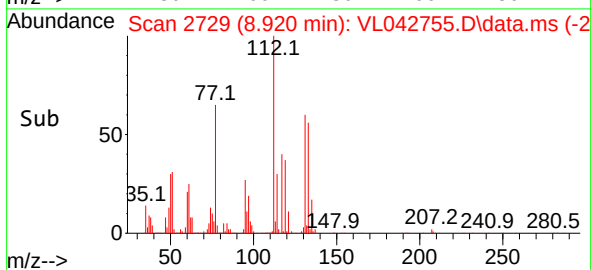
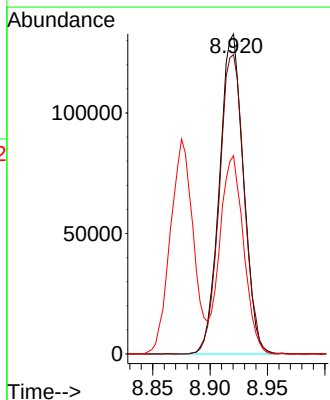
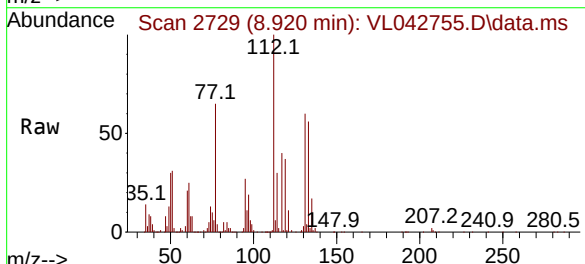
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

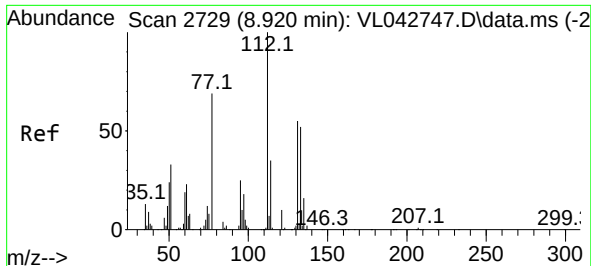
Tgt Ion:117 Resp: 380539
Ion Ratio Lower Upper
117 100
82 68.9 53.3 79.9
119 33.0 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 9.759 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:131 Resp: 193089
Ion Ratio Lower Upper
131 100
133 96.6 76.8 115.2
119 61.2 49.7 74.5

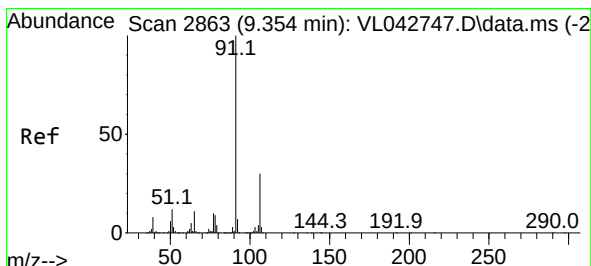
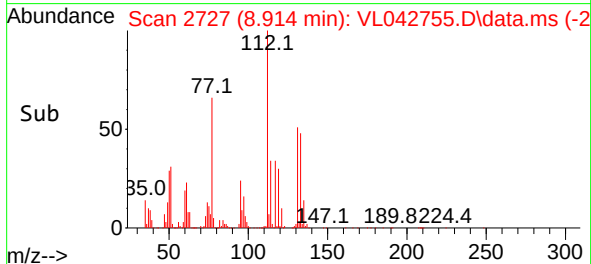
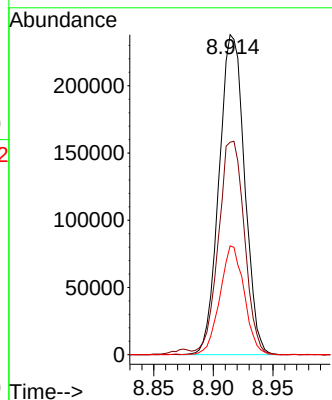
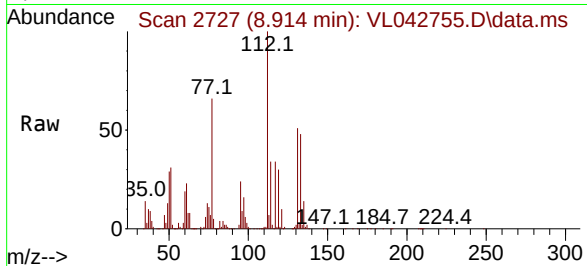




#57
Chlorobenzene
Concen: 9.623 ppbv
RT: 8.914 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

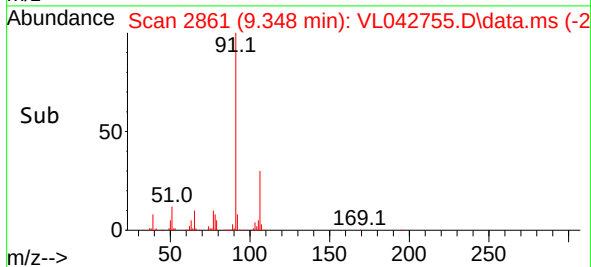
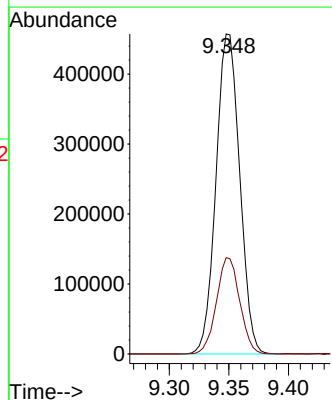
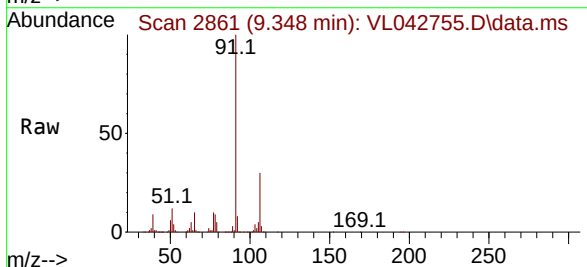
Instrument :
MSVOA_1
ClientSampleId :
ICVVL072325

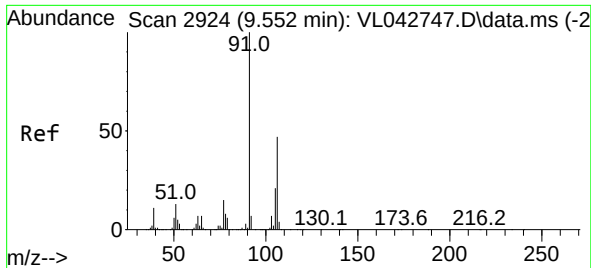
Tgt Ion:112 Resp: 354412
Ion Ratio Lower Upper
112 100
77 66.4 56.4 84.6
114 34.0 31.2 38.2



#58
Ethyl Benzene
Concen: 10.504 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 631247
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6

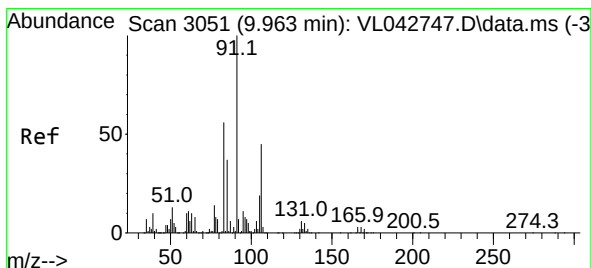
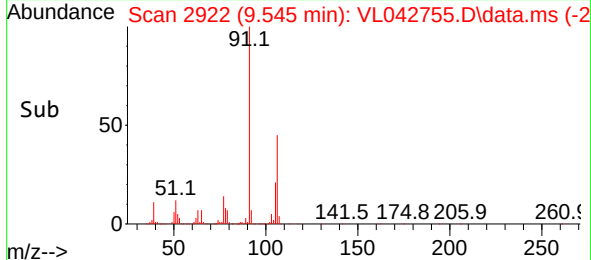
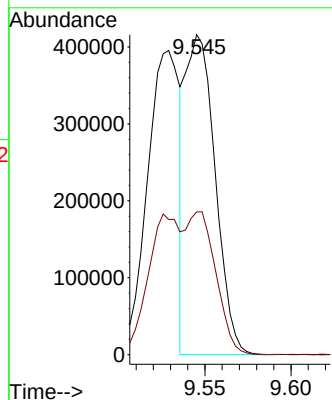
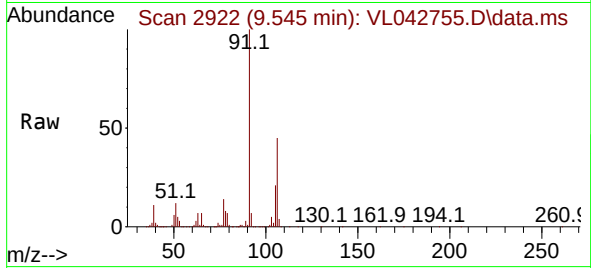




#59
m/p-Xylene
Concen: 10.418 ppbv
RT: 9.545 min Scan# 2924
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

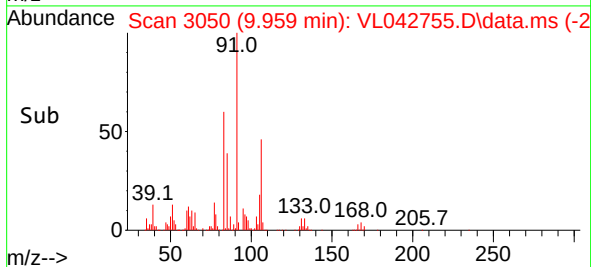
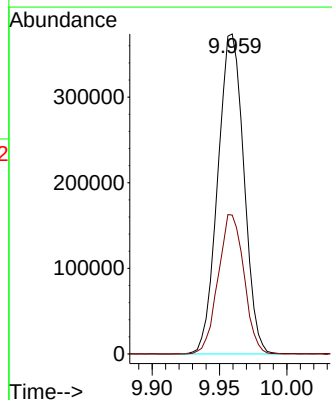
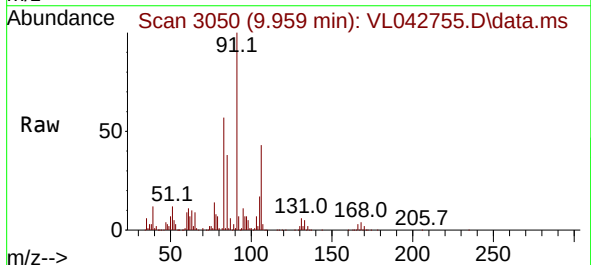
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

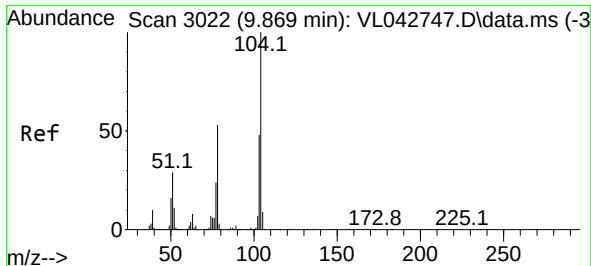
Tgt Ion: 91 Resp: 500367
Ion Ratio Lower Upper
91 100
106 92.3 37.4 56.2#



#60
o-Xylene
Concen: 10.499 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 503849
Ion Ratio Lower Upper
91 100
106 43.1 22.0 66.0

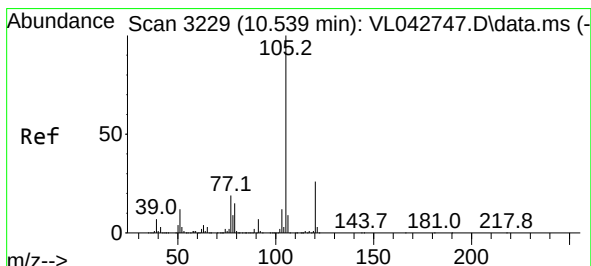
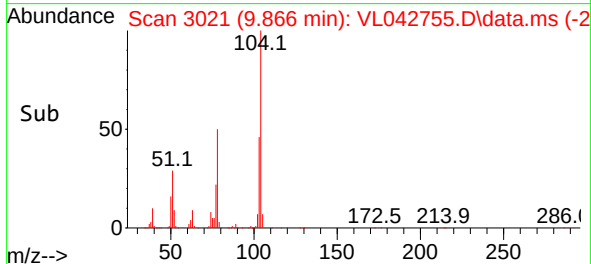
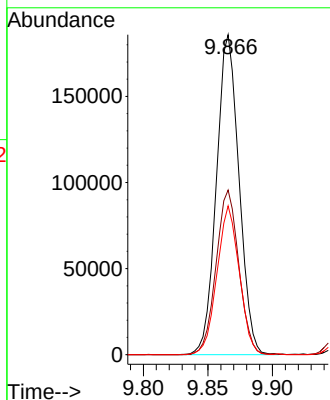
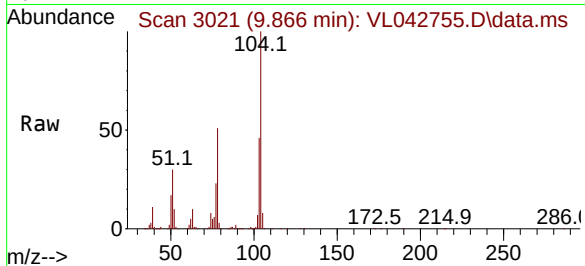




#61
Styrene
Concen: 11.185 ppbv
RT: 9.866 min Scan# 3022
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

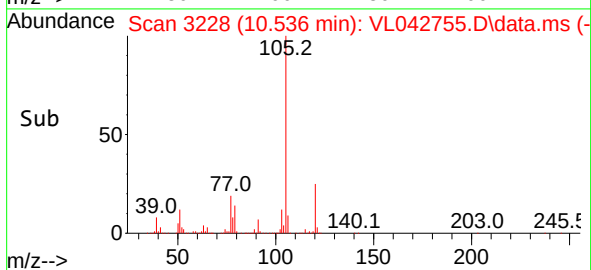
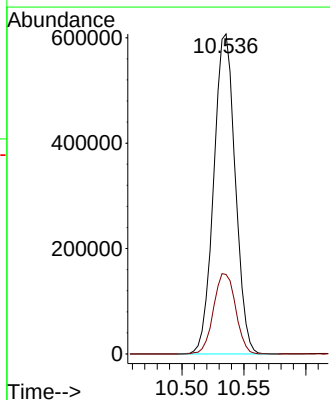
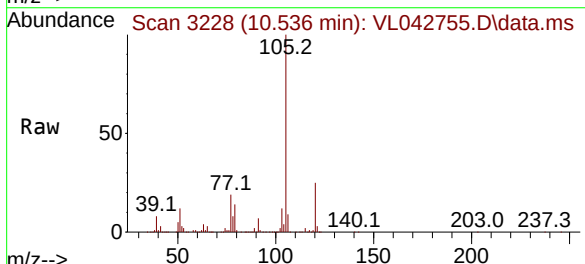
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

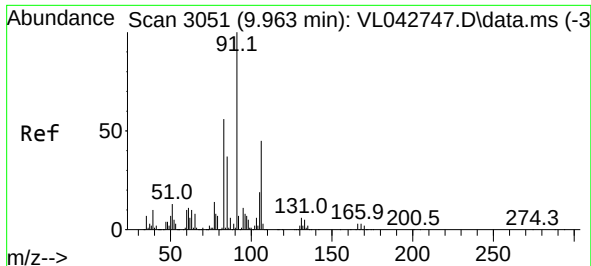
Tgt Ion:104 Resp: 225799
Ion Ratio Lower Upper
104 100
78 51.9 41.5 62.3
103 46.0 37.5 56.3



#62
Isopropylbenzene
Concen: 10.398 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 736044
Ion Ratio Lower Upper
105 100
120 25.7 20.5 30.7

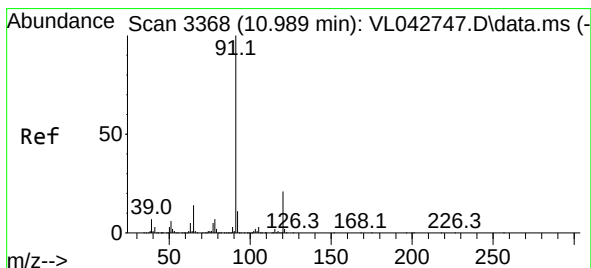
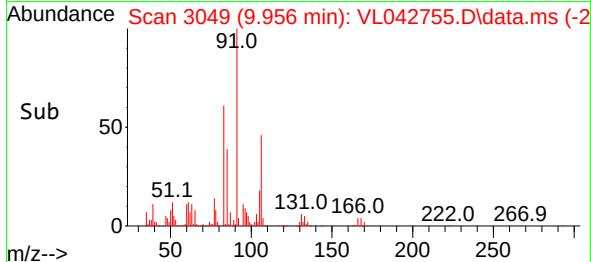
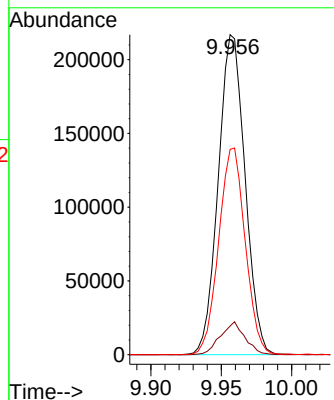
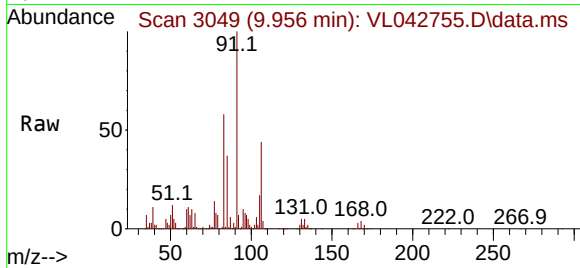




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.340 ppbv
 RT: 9.956 min Scan# 3049
 Delta R.T. -0.006 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

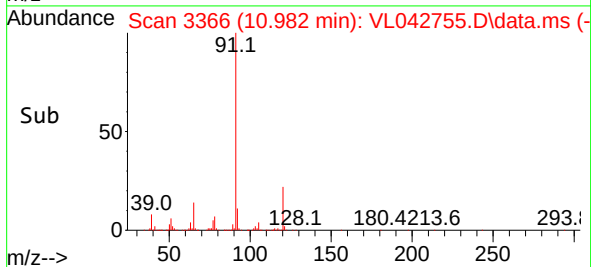
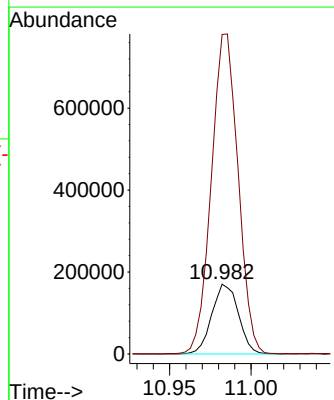
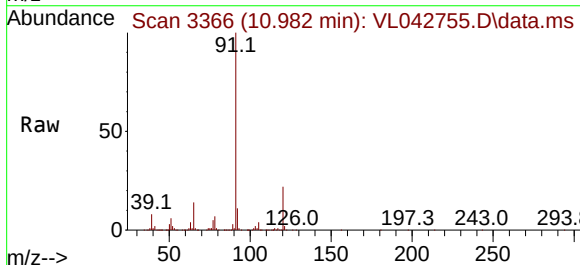
Instrument : MSVOA_1
 ClientSampleId : ICVVL072325

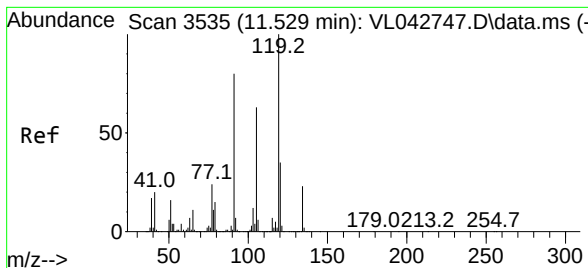
Tgt Ion: 83 Resp: 287775
 Ion Ratio Lower Upper
 83 100
 131 9.4 5.0 15.0
 85 64.0 32.6 97.7



#64
 n-propylbenzene
 Concen: 10.460 ppbv
 RT: 10.982 min Scan# 3366
 Delta R.T. -0.006 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Tgt Ion: 120 Resp: 193034
 Ion Ratio Lower Upper
 120 100
 91 461.7 372.7 559.1

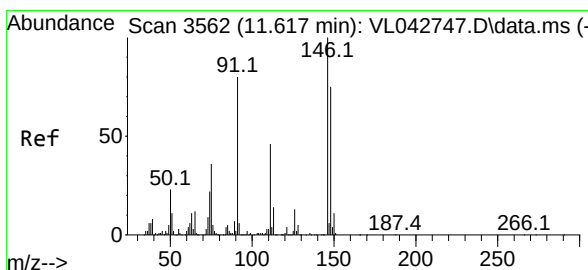
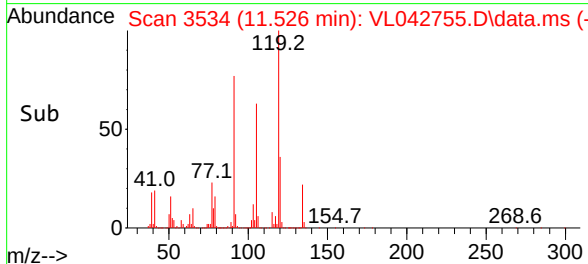
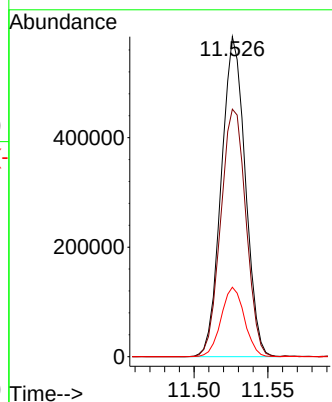
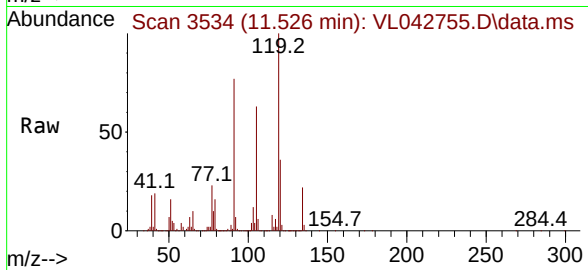




#65
tert-Butylbenzene
Concen: 10.512 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

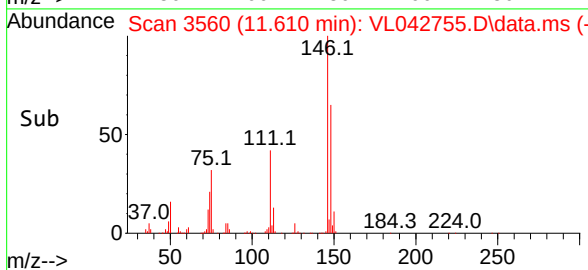
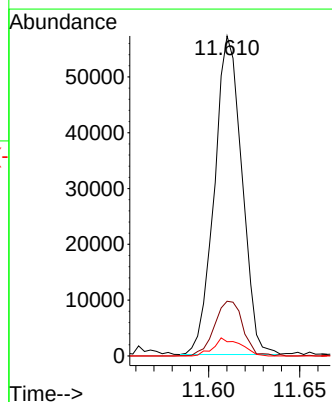
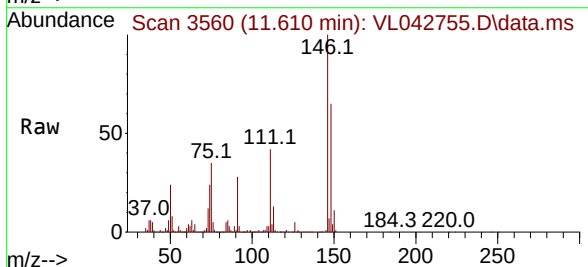
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

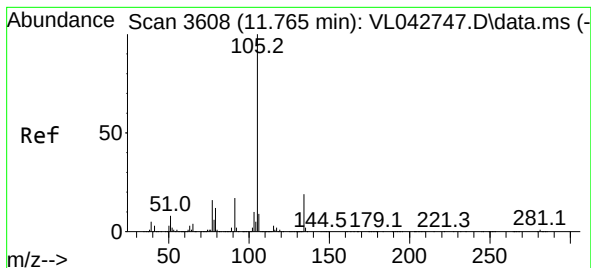
Tgt Ion:119 Resp: 660966
Ion Ratio Lower Upper
119 100
91 81.2 64.0 96.0
134 21.1 17.3 25.9



#66
Benzyl Chloride
Concen: 11.634 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 60055
Ion Ratio Lower Upper
91 100
126 17.7 14.4 21.6
128 5.6 5.2 7.8





#67

sec-Butylbenzene

Concen: 10.221 ppbv

RT: 11.762 min Scan# 3608

Delta R.T. -0.003 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

Instrument :

MSVOA_L

ClientSampleId :

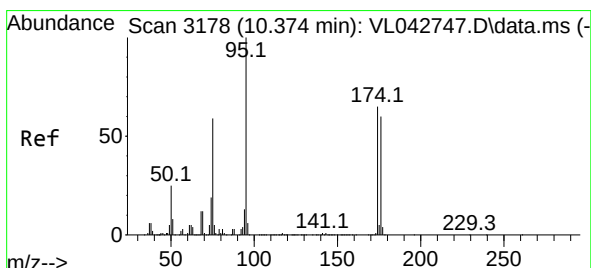
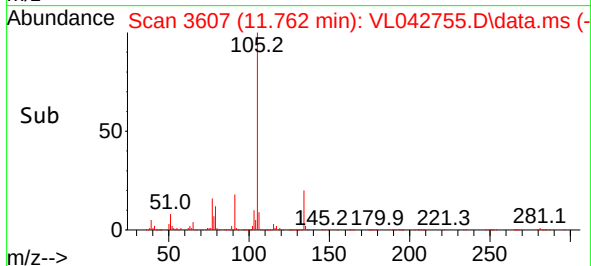
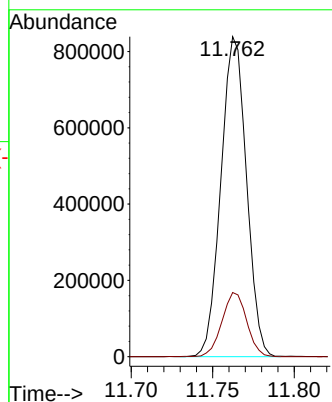
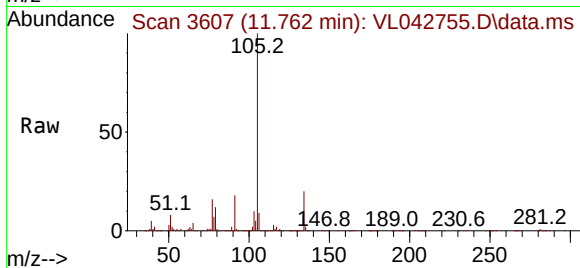
ICVVL072325

Tgt Ion:105 Resp: 914046

Ion Ratio Lower Upper

105 100

134 19.5 15.5 23.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.397 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. -0.003 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

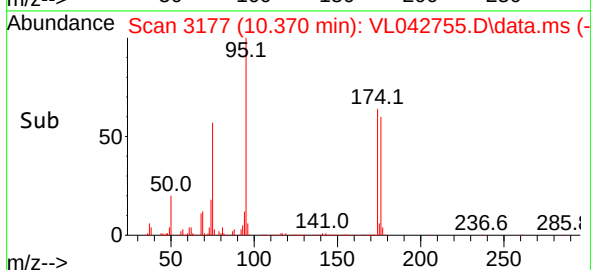
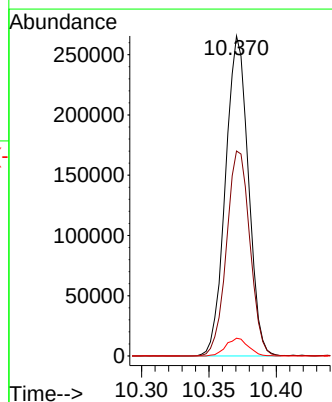
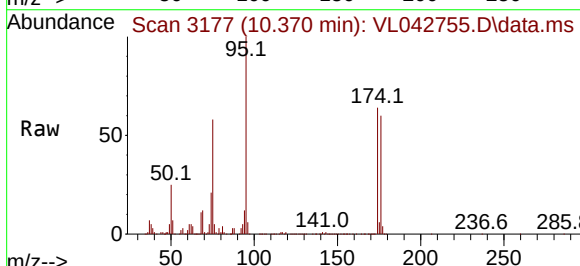
Tgt Ion: 95 Resp: 313324

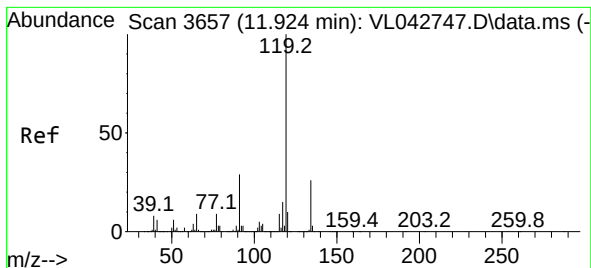
Ion Ratio Lower Upper

95 100

174 65.8 53.8 80.6

175 5.4 4.0 6.0

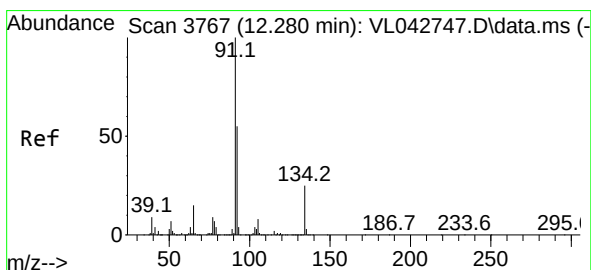
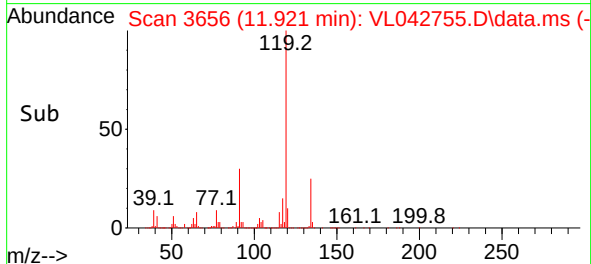
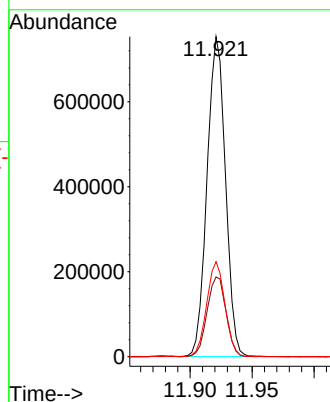
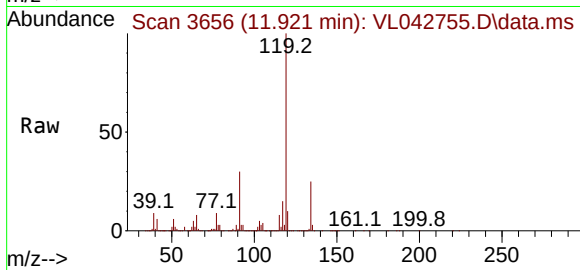




#69
 p-Isopropyltoluene
 Concen: 10.677 ppbv
 RT: 11.921 min Scan# 3656
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

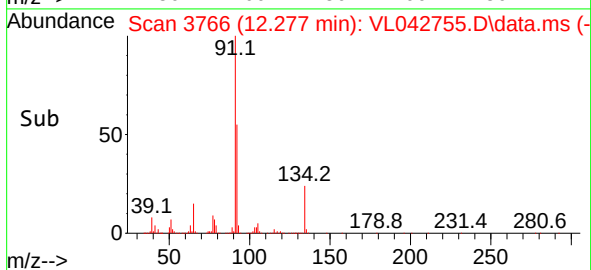
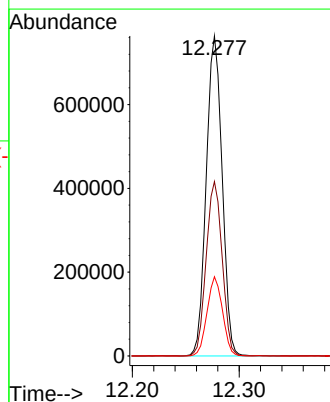
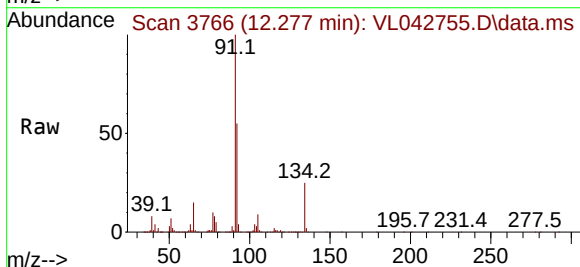
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072325

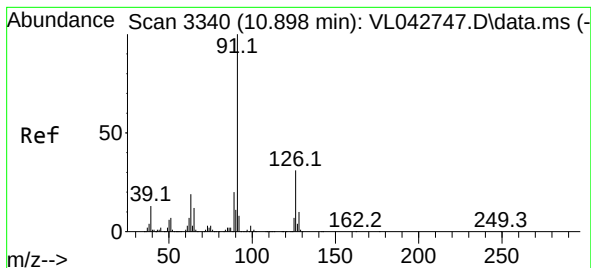
Tgt Ion:119 Resp: 778601
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.6 31.0
 91 29.5 23.2 34.8



#70
 n-Butylbenzene
 Concen: 11.197 ppbv
 RT: 12.277 min Scan# 3766
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Tgt Ion: 91 Resp: 788734
 Ion Ratio Lower Upper
 91 100
 92 55.0 43.4 65.2
 134 24.1 19.6 29.4

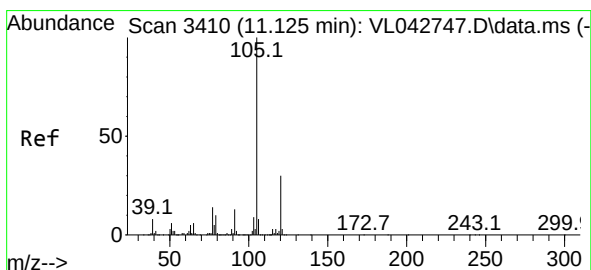
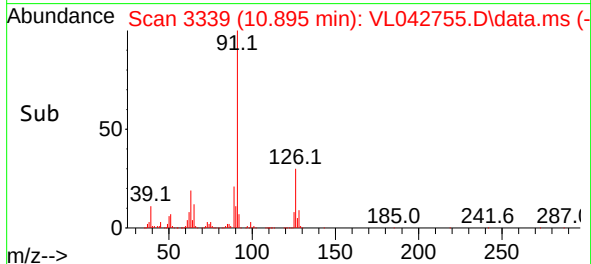
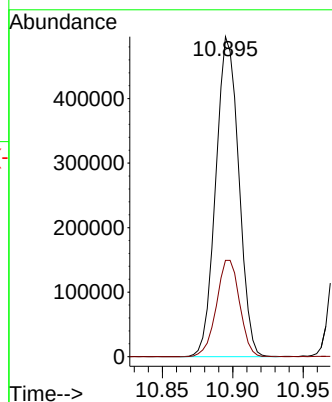
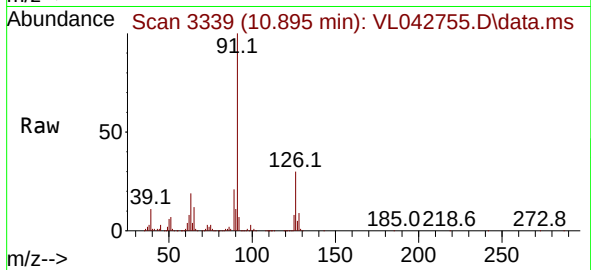




#71
2-Chlorotoluene
Concen: 10.376 ppbv
RT: 10.895 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

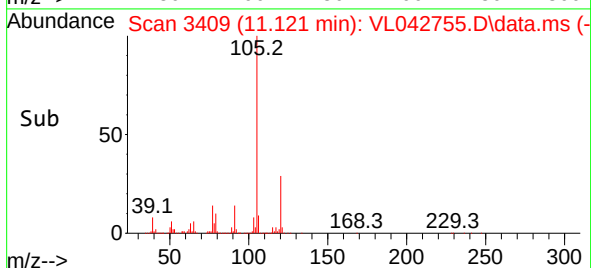
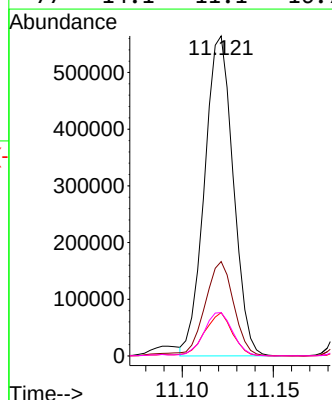
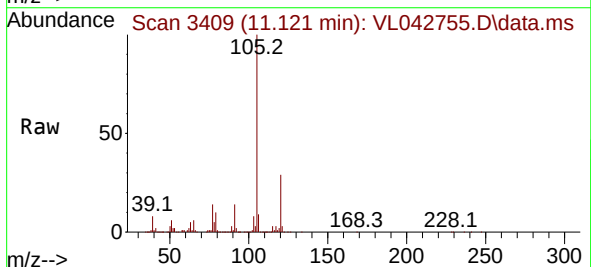
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

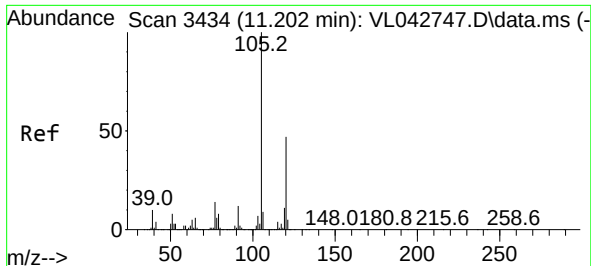
Tgt Ion: 91 Resp: 563193
Ion Ratio Lower Upper
91 100
126 30.4 12.0 48.2



#72
4-Ethyltoluene
Concen: 10.772 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 617355
Ion Ratio Lower Upper
105 100
120 30.2 24.4 36.6
91 13.4 10.6 15.8
77 14.1 11.1 16.7

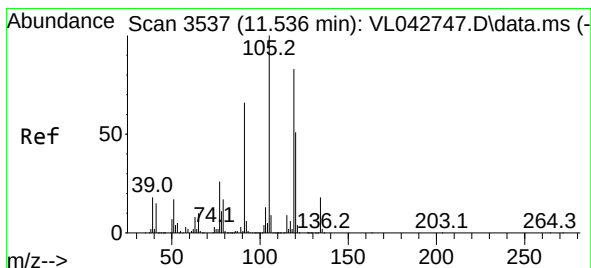
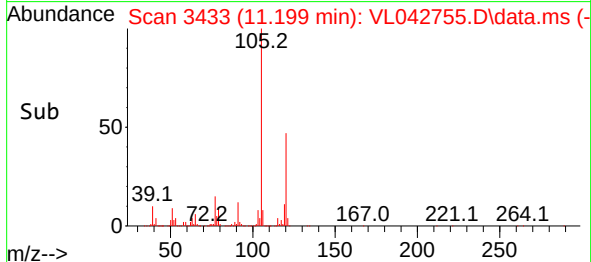
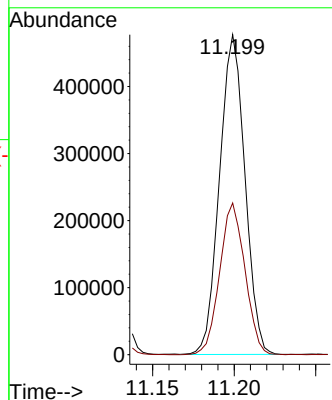
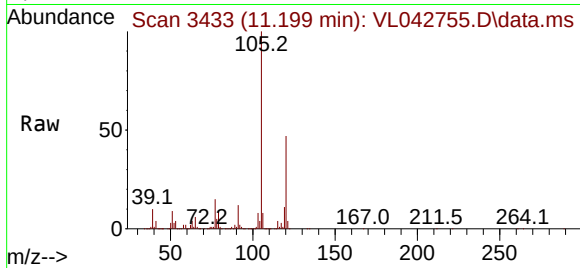




#73
 1,3,5-Trimethylbenzene
 Concen: 10.951 ppbv
 RT: 11.199 min Scan# 3433
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

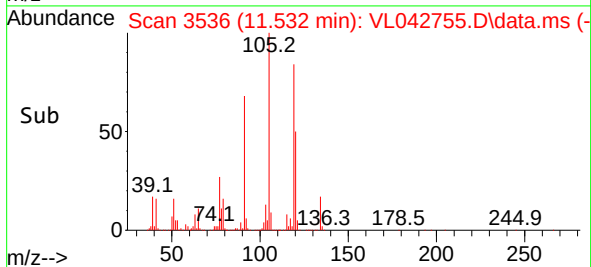
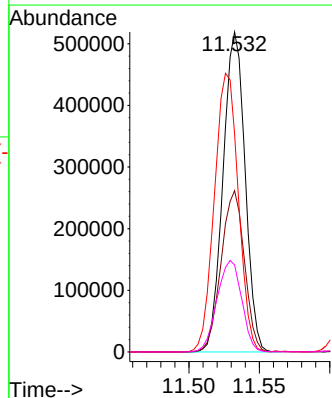
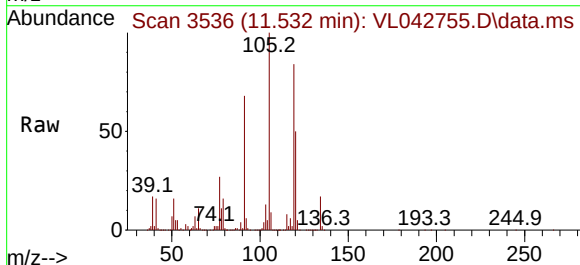
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072325

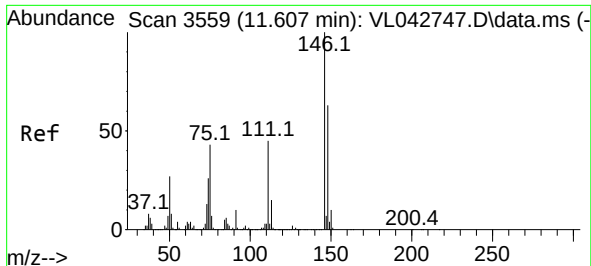
Tgt Ion:105 Resp: 516735
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.8 56.8



#74
 1,2,4-Trimethylbenzene
 Concen: 11.017 ppbv
 RT: 11.532 min Scan# 3536
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 567186
 Ion Ratio Lower Upper
 105 100
 120 50.4 40.8 61.2
 91 68.1 53.0 79.4
 77 27.2 20.5 30.7

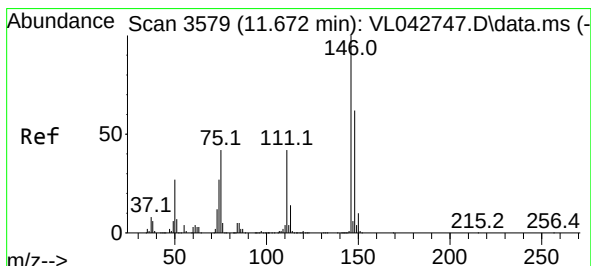
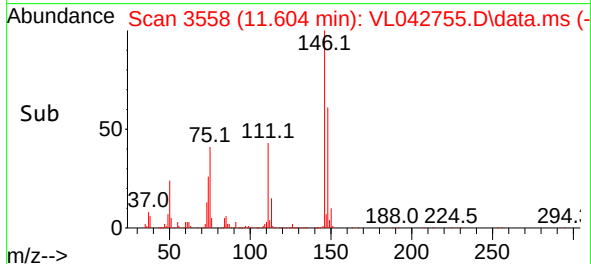
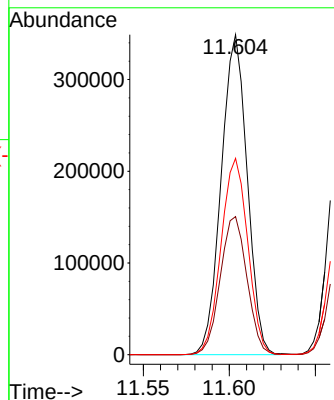
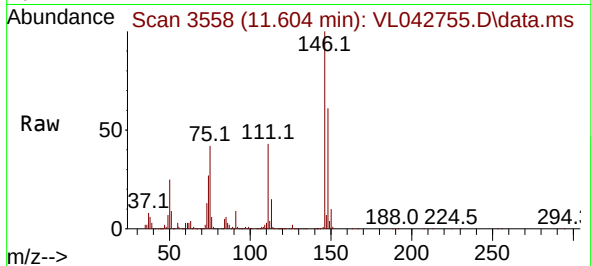




#75
1,3-Dichlorobenzene
Concen: 10.165 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

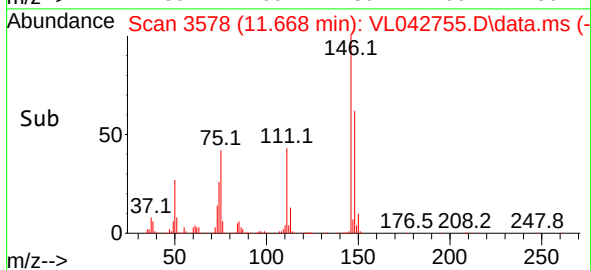
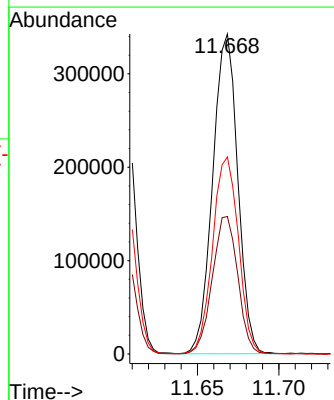
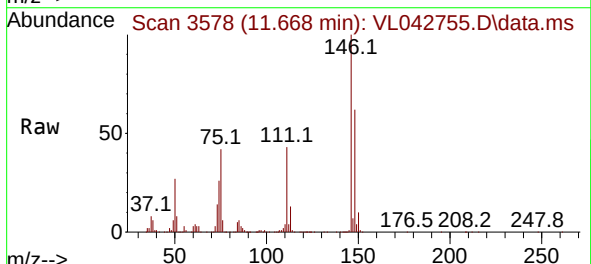
Instrument :
MSVOA_L
ClientSampleId :
ICVVL072325

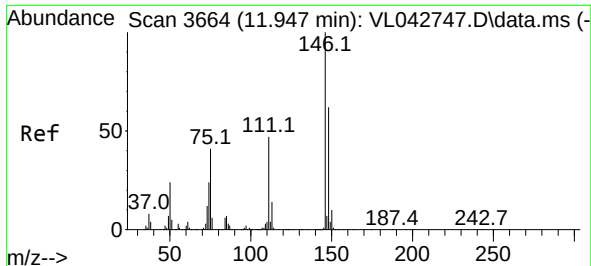
Tgt Ion:146 Resp: 366855
Ion Ratio Lower Upper
146 100
111 44.3 22.7 68.0
148 63.1 31.9 95.5



#76
1,4-Dichlorobenzene
Concen: 10.333 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042755.D
Acq: 23 Jul 2025 14:33

Tgt Ion:146 Resp: 364937
Ion Ratio Lower Upper
146 100
111 43.9 21.4 64.2
148 63.8 32.1 96.3

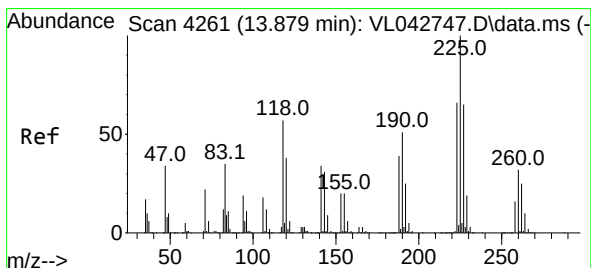
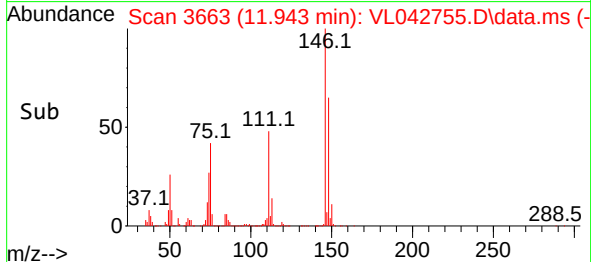
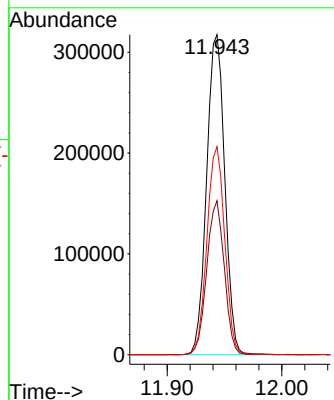
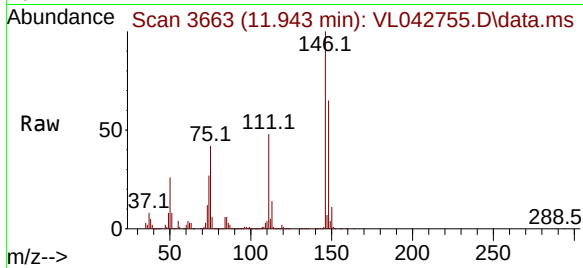




#77
 1,2-Dichlorobenzene
 Concen: 9.839 ppbv
 RT: 11.943 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

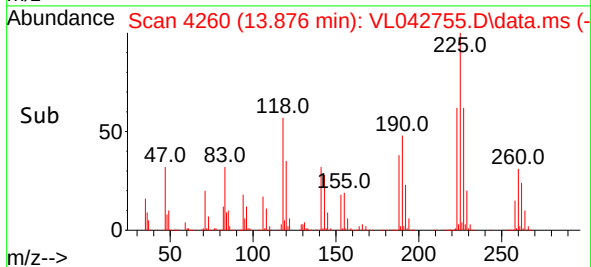
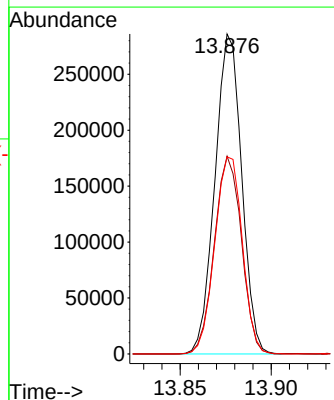
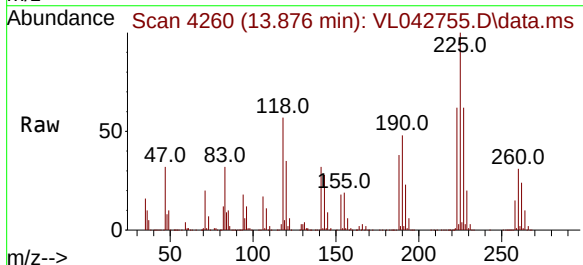
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072325

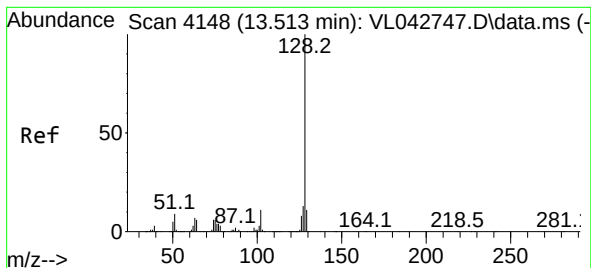
Tgt Ion:146 Resp: 348999
 Ion Ratio Lower Upper
 146 100
 111 46.7 23.7 71.1
 148 63.8 32.6 97.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.091 ppbv
 RT: 13.876 min Scan# 4260
 Delta R.T. -0.003 min
 Lab File: VL042755.D
 Acq: 23 Jul 2025 14:33

Tgt Ion:225 Resp: 291861
 Ion Ratio Lower Upper
 225 100
 223 62.5 50.7 76.1
 227 63.5 50.5 75.7





#79

Naphthalene

Concen: 10.342 ppbv

RT: 13.510 min Scan# 4148

Delta R.T. -0.003 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

Instrument :

MSVOA_L

ClientSampleId :

ICVVL072325

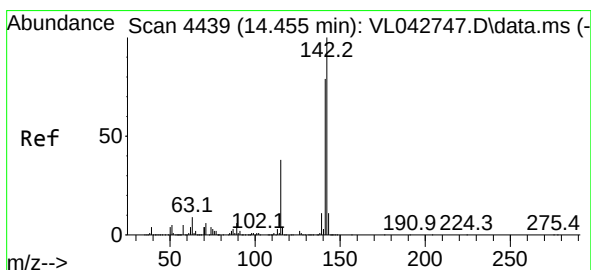
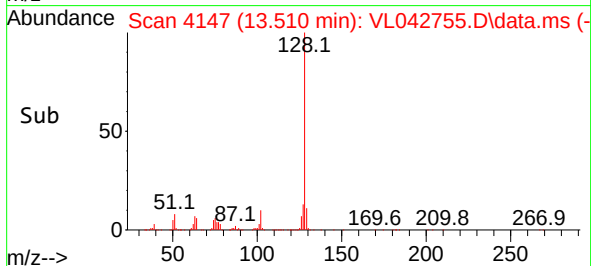
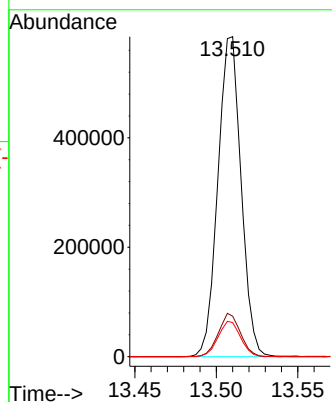
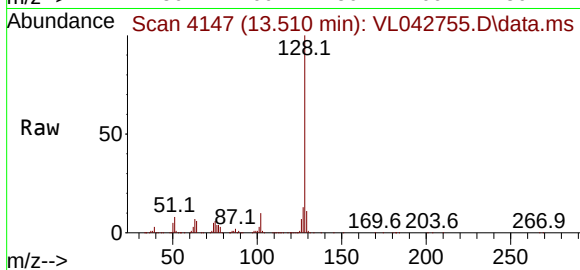
Tgt Ion:128 Resp: 578563

Ion Ratio Lower Upper

128 100

127 12.7 10.5 15.7

129 10.6 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 9.951 ppbv

RT: 14.452 min Scan# 4438

Delta R.T. -0.003 min

Lab File: VL042755.D

Acq: 23 Jul 2025 14:33

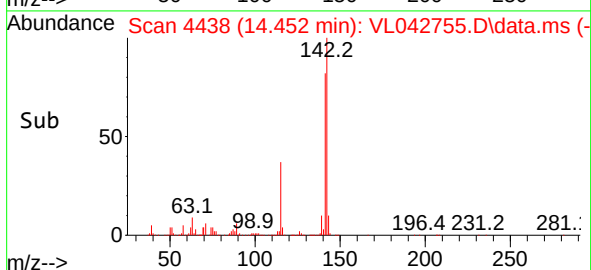
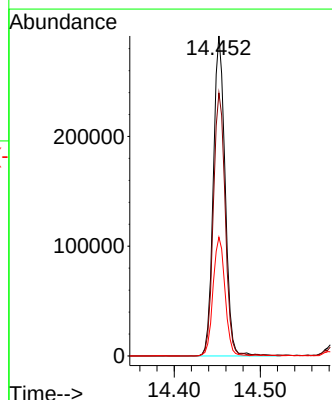
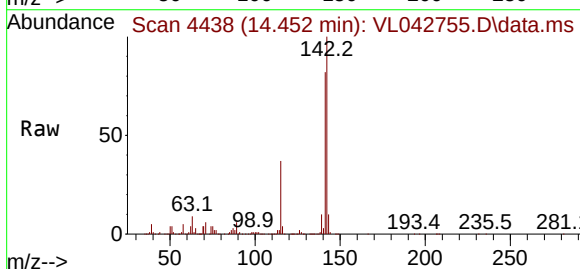
Tgt Ion:142 Resp: 277798

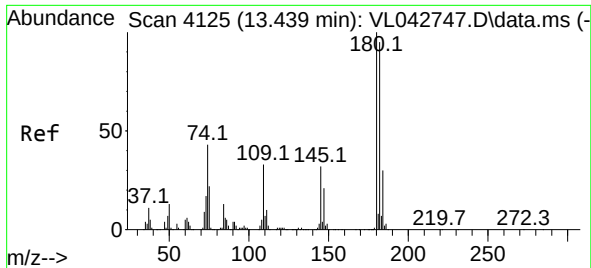
Ion Ratio Lower Upper

142 100

141 83.6 65.8 98.8

115 38.2 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 10.181 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042755.D

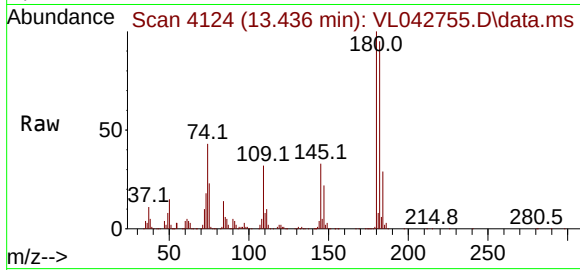
Acq: 23 Jul 2025 14:33

Instrument :

MSVOA_L

ClientSampleId :

ICVVL072325



Tgt Ion:180 Resp: 319897

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.2

184 30.5 24.8 37.2

