

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042790.D
 Acq On : 31 Jul 2025 10:15
 Operator : SY/MD
 Sample : VL0724ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Quant Time: Aug 01 01:13:17 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	2.794	49	140975	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	391458	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	349880	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	284130	10.254	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	179092	9.608	ppbv	98
3) Chlorodifluoromethane	1.476	51	243995	10.049	ppbv	99
4) Chloromethane	1.535	50	73605	9.761	ppbv	95
5) Vinyl Chloride	1.583	62	63029	8.460	ppbv	92
6) Bromomethane	1.671	94	25942	9.007	ppbv	99
7) Chloroethane	1.706	64	25445	8.839	ppbv	94
8) Dichlorotetrafluoroethane	1.557	85	144815	9.447	ppbv	98
9) Propene	1.486	41	87288	9.891	ppbv	100
10) Heptane	4.991	43	255178	10.724	ppbv	98
11) Trichlorofluoromethane	1.881	101	178945	9.314	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	137912	9.446	ppbv	99
13) Ethanol	1.722	45	6331	8.701	ppbv	97
14) Bromoethene	1.784	108	49330	9.543	ppbv	99
15) Acetone	1.839	43	147760	7.590	ppbv	99
16) 1,3-Butadiene	1.612	39	74826	9.012	ppbv	98
17) tert-Butyl alcohol	2.043	59	157784	8.987	ppbv	100
18) 1,1-Dichloroethene	2.036	96	59478	9.016	ppbv	96
19) Isopropyl Alcohol	1.887	45	91274	8.823	ppbv	94
20) Methylene Chloride	2.065	84	51356	8.372	ppbv	94
21) Allyl Chloride	2.098	41	117287	9.776	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	67541	9.517	ppbv	98
23) Vinyl Acetate	2.467	43	270452	11.460	ppbv	98
24) 1,1-Dichloroethane	2.412	63	137263	9.423	ppbv	98
25) Ethyl Acetate	2.839	43	453552	10.526	ppbv	99
26) Hexane	2.829	57	195021	10.318	ppbv	98
27) Carbon Disulfide	2.153	76	165318	10.216	ppbv	96
28) Methyl tert-Butyl Ether	2.444	73	86612	9.699	ppbv	97
29) Chloroform	2.852	83	300921	10.303	ppbv	97
30) Cyclohexane	3.865	84	165101	10.299	ppbv	97
31) cis-1,2-Dichloroethene	2.726	61	194661	10.022	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	293497	9.647	ppbv	98
34) 2-Butanone	2.561	43	298296	10.758	ppbv	100
35) Carbon Tetrachloride	3.771	117	312530	10.748	ppbv	99
36) Benzene	3.664	78	390877	10.536	ppbv	99
37) 1,2-Dichloroethane	3.224	62	236656	10.589	ppbv	99
38) Trichloroethene	4.558	130	174246	9.776	ppbv	97
39) 1,2-Dichloropropane	4.321	63	144288	10.536	ppbv	98
40) 1,4-Dioxane	4.590	88	54856	8.594	ppbv #	89
41) Tetrahydrofuran	3.059	42	161537	11.448	ppbv	98
42) Bromodichloromethane	4.496	83	321891	11.059	ppbv #	99
43) Methyl Methacrylate	4.888	69	151803	11.512	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	672509	11.121	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	165606	11.199	ppbv	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073125\
 Data File : VL042790.D
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 Sample : VL0724ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

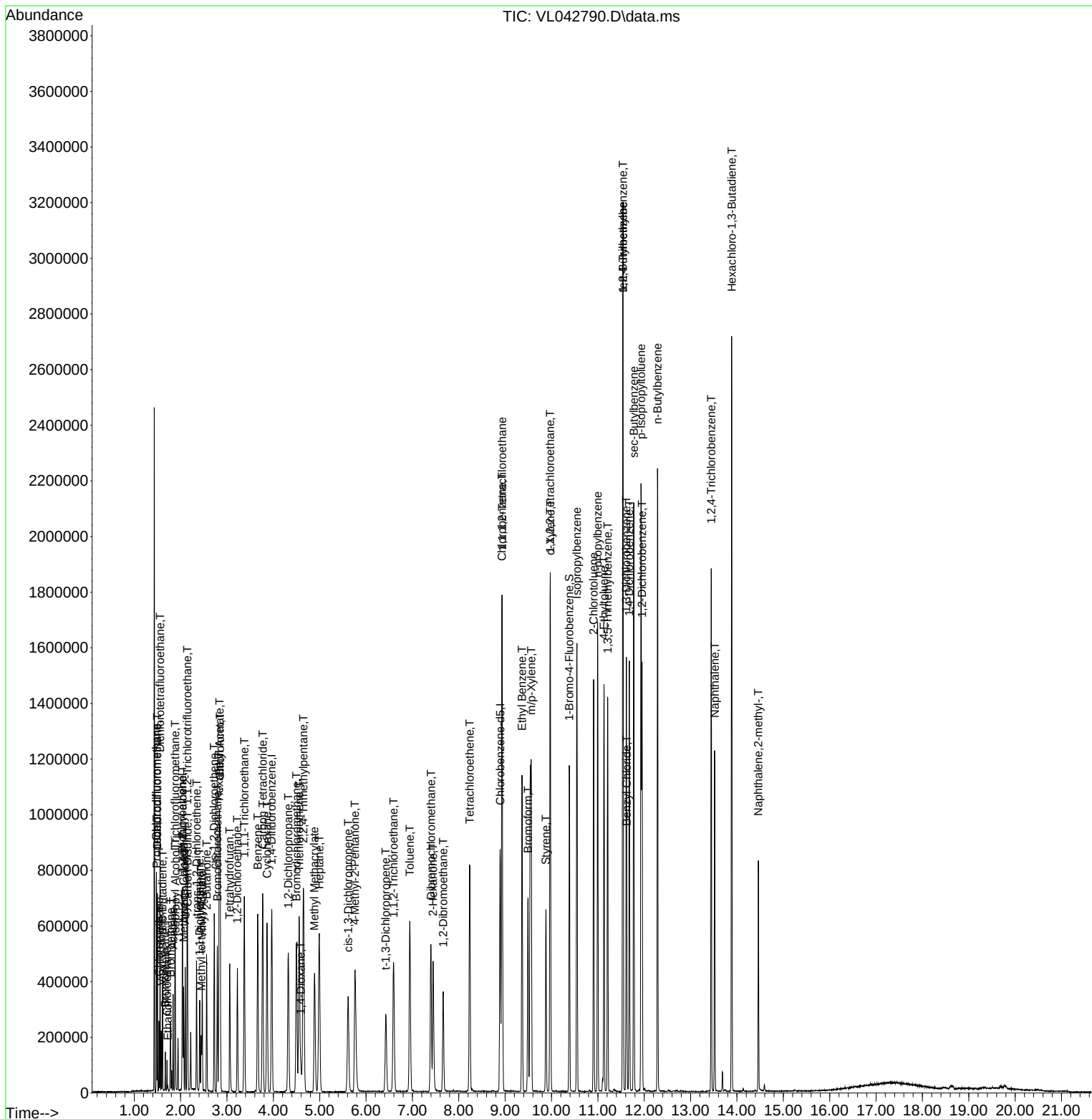
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 ClientSampleId :
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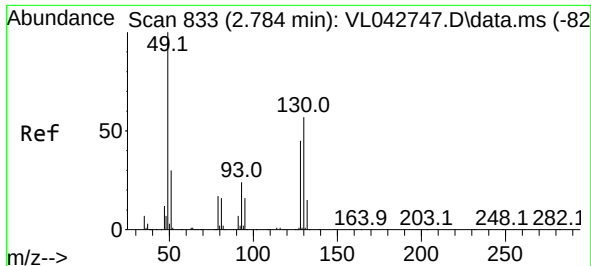
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	208804	11.143	ppbv	97
47) 1,1,2-Trichloroethane	6.594	97	154552	10.587	ppbv	97
48) Dibromochloromethane	7.399	129	261380	11.278	ppbv	99
49) Bromoform	9.494	173	231022	11.433	ppbv	99
50) 4-Methyl-2-Pentanone	5.762	43	402543	11.270	ppbv	99
51) 2-Hexanone	7.445	43	321076	11.895	ppbv #	99
52) Tetrachloroethene	8.238	164	145761	9.479	ppbv	96
53) Toluene	6.943	91	439867	11.041	ppbv	100
54) 1,2-Dibromoethane	7.665	107	225399	10.928	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.934	131	198394	10.906	ppbv	100
57) Chlorobenzene	8.930	112	351678	10.386	ppbv #	96
58) Ethyl Benzene	9.364	91	614495	11.121	ppbv	99
59) m/p-Xylene	9.562	91	464380	10.516	ppbv #	30
60) o-Xylene	9.976	91	493686	11.188	ppbv	99
61) Styrene	9.879	104	211712	11.406	ppbv	99
62) Isopropylbenzene	10.549	105	716413	11.007	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	288264	10.176	ppbv	98
64) n-propylbenzene	10.995	120	190663	11.237	ppbv	100
65) tert-Butylbenzene	11.539	119	654563	11.322	ppbv	99
66) Benzyl Chloride	11.623	91	63429	13.365	ppbv	98
67) sec-Butylbenzene	11.775	105	909814	11.065	ppbv	99
69) p-Isopropyltoluene	11.931	119	774561	11.553	ppbv	100
70) n-Butylbenzene	12.287	91	785569	12.130	ppbv	99
71) 2-Chlorotoluene	10.908	91	556610	11.153	ppbv	99
72) 4-Ethyltoluene	11.131	105	618091	11.729	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	515043	11.871	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	570715	12.057	ppbv	93
75) 1,3-Dichlorobenzene	11.614	146	360095	10.852	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	366048	11.273	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	351242	10.770	ppbv	98
78) Hexachloro-1,3-Butadiene	13.886	225	281564	9.538	ppbv	99
79) Naphthalene	13.520	128	540121	10.494	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	221690	8.786	ppbv	100
81) 1,2,4-Trichlorobenzene	13.446	180	305698	10.565	ppbv	100

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

Quant Time: Aug 01 01:13:17 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

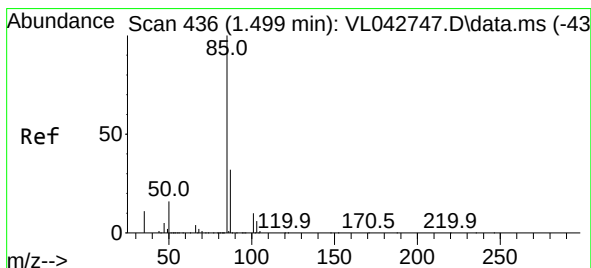
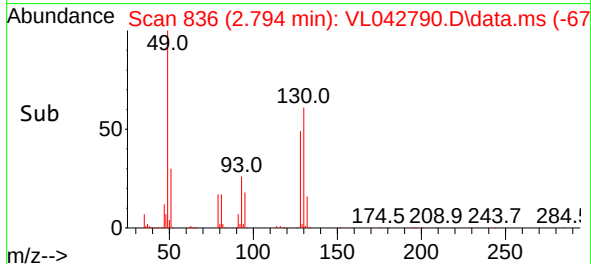
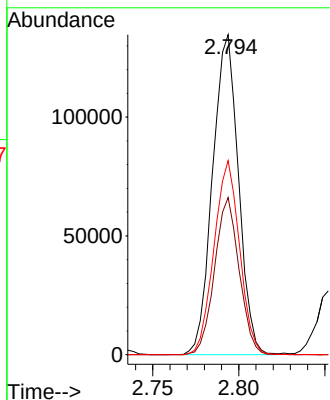
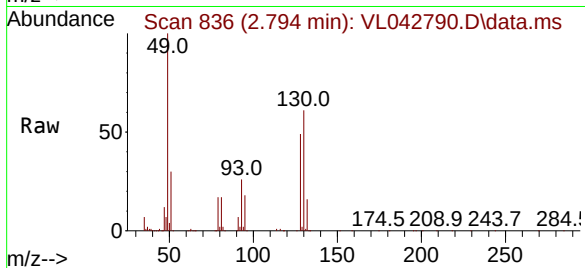




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 833
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

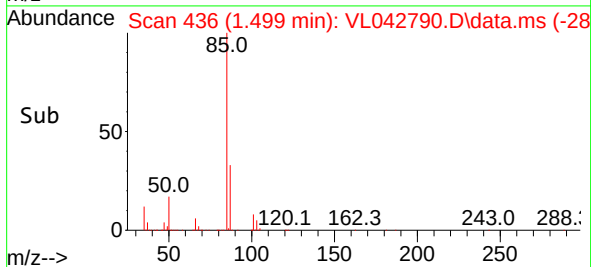
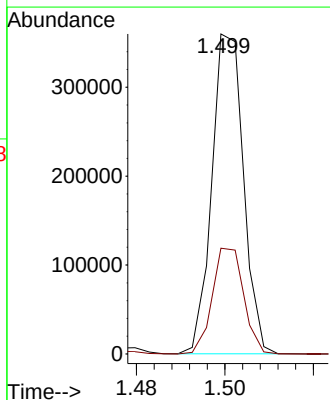
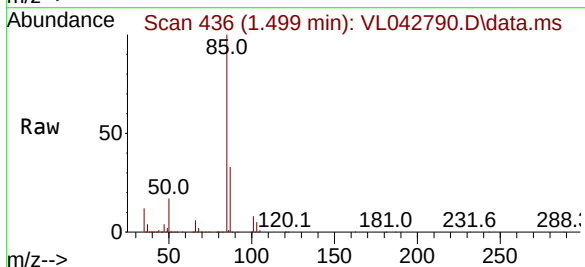
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

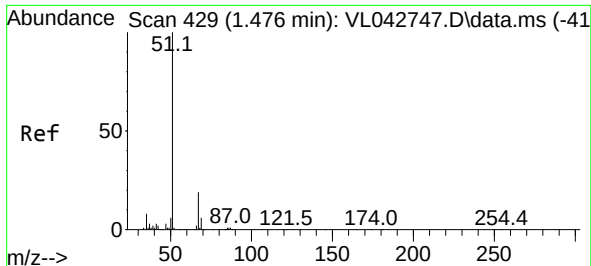
Tgt Ion: 49 Resp: 140975
Ion Ratio Lower Upper
49 100
128 46.6 23.6 71.0
130 59.8 30.3 90.8



#2
Dichlorodifluoromethane
Concen: 9.608 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 85 Resp: 179092
Ion Ratio Lower Upper
85 100
87 33.1 25.4 38.2

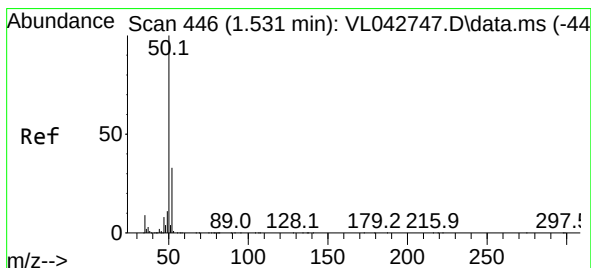
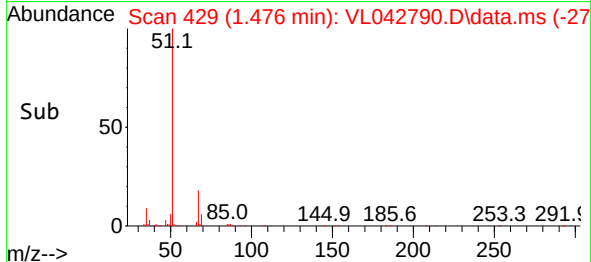
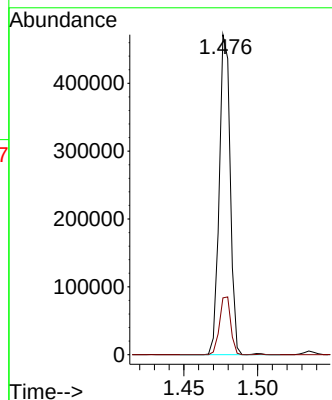
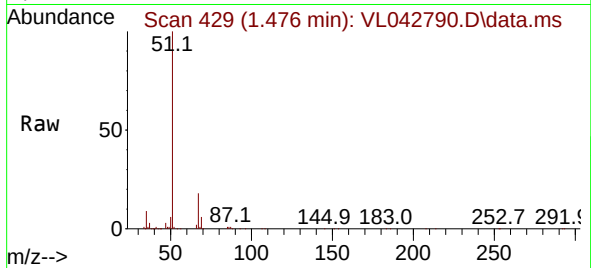




#3
Chlorodifluoromethane
Concen: 10.049 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

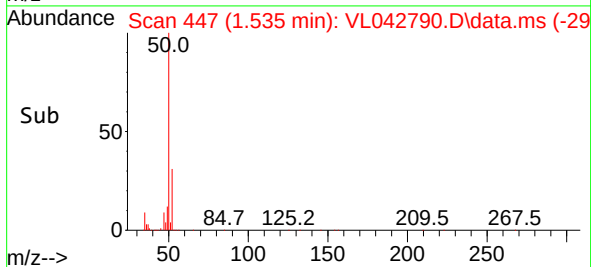
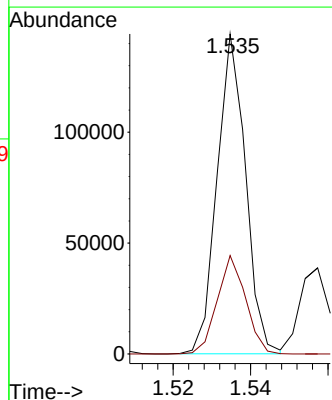
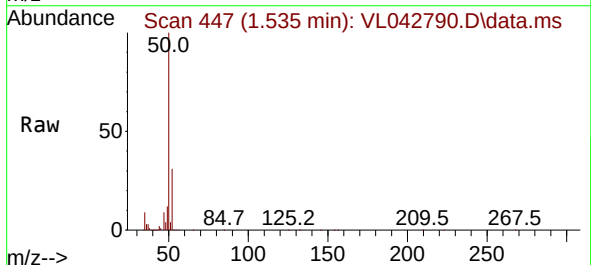
Instrument :
MSVOA_1
ClientSampleId :
VL0731ABS01

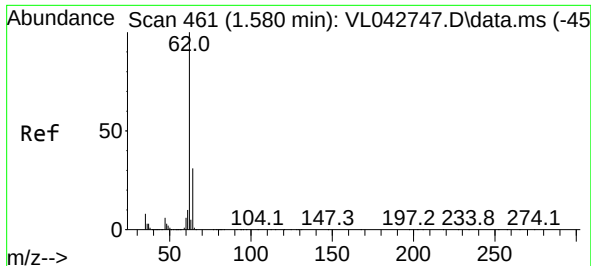
Tgt Ion: 51 Resp: 243995
Ion Ratio Lower Upper
51 100
67 18.6 15.0 22.6



#4
Chloromethane
Concen: 9.761 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 50 Resp: 73605
Ion Ratio Lower Upper
50 100
52 30.7 26.6 40.0

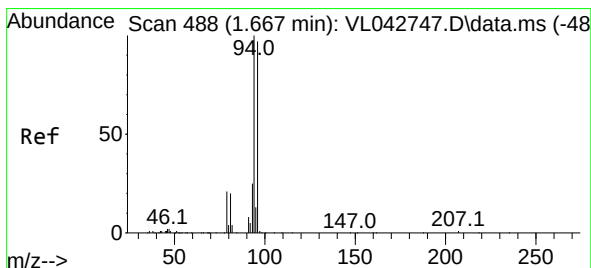
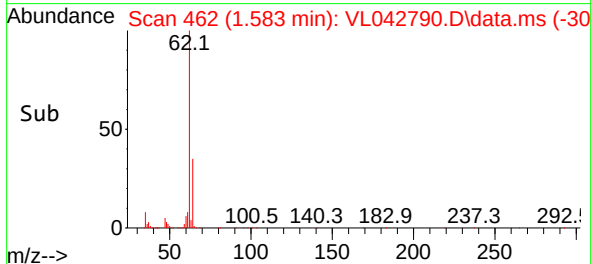
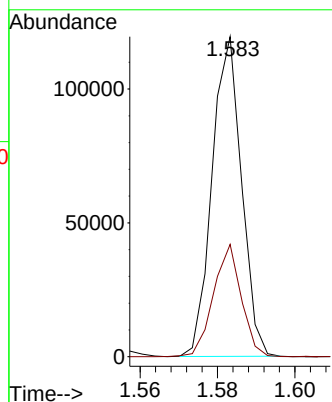
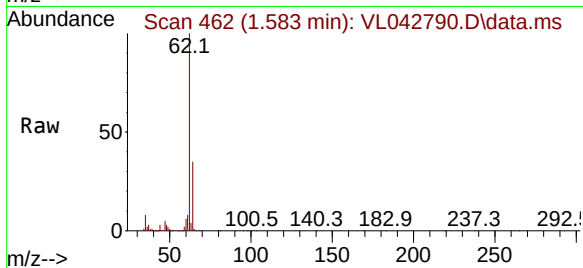




#5
 Vinyl Chloride
 Concen: 8.460 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

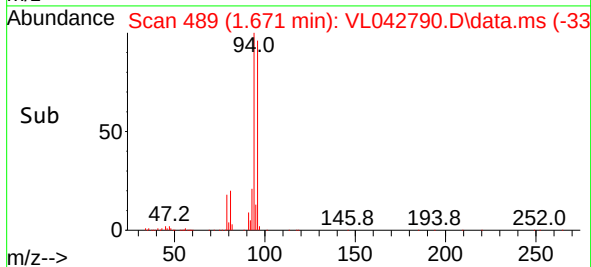
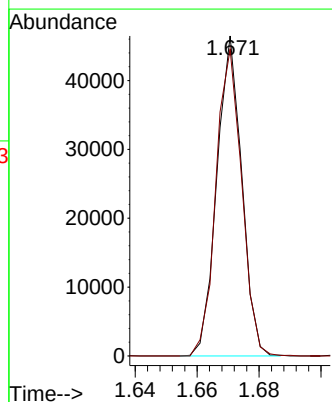
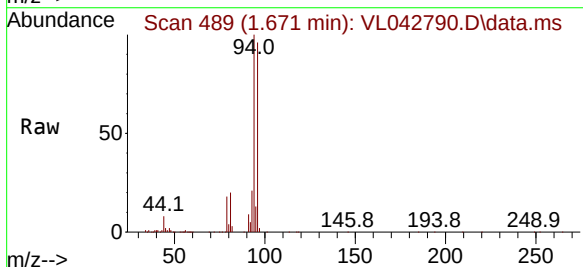
Instrument :
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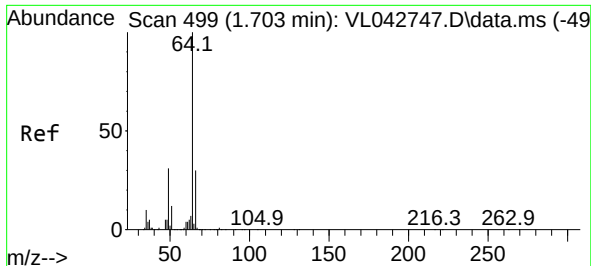
Tgt Ion: 62 Resp: 63029
 Ion Ratio Lower Upper
 62 100
 64 35.1 24.5 36.7



#6
 Bromomethane
 Concen: 9.007 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

Tgt Ion: 94 Resp: 25942
 Ion Ratio Lower Upper
 94 100
 96 95.9 77.6 116.4

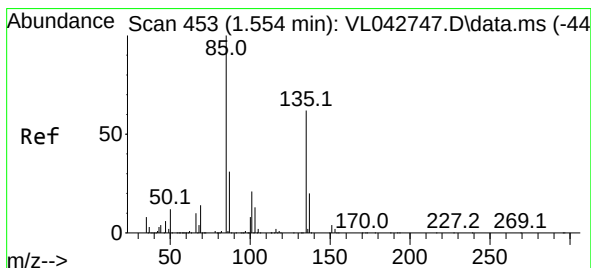
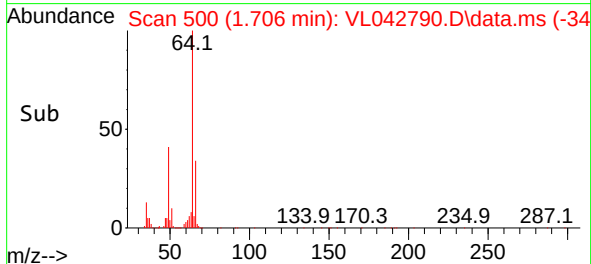
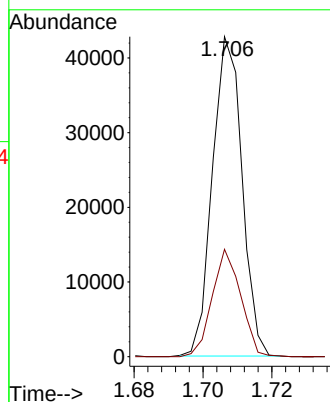
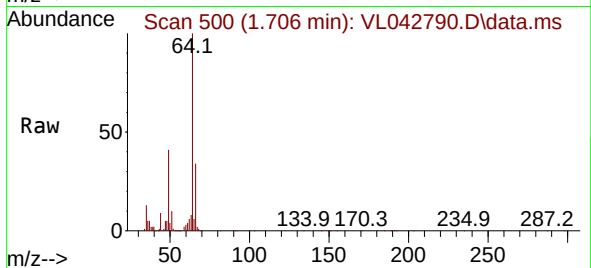




#7
Chloroethane
Concen: 8.839 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

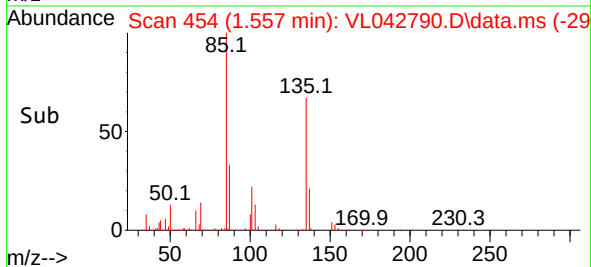
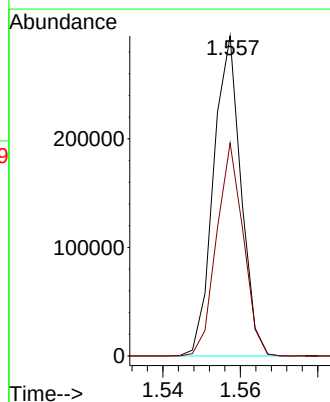
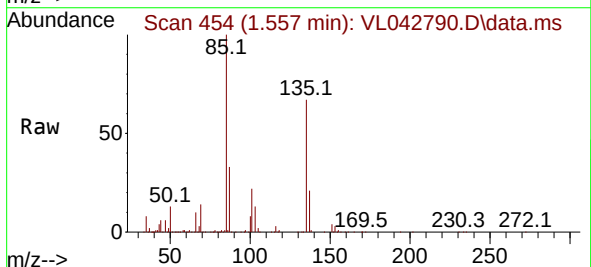
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ClientSampleId :
VL0731ABS01

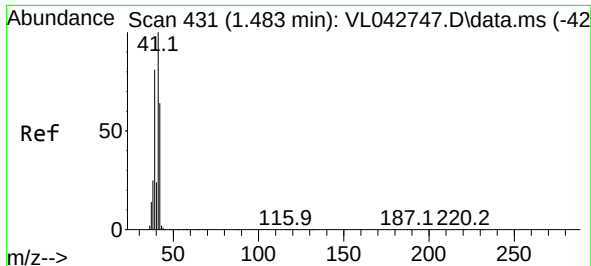
Tgt Ion: 64 Resp: 25445
Ion Ratio Lower Upper
64 100
66 33.5 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 9.447 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 85 Resp: 144815
Ion Ratio Lower Upper
85 100
135 65.0 50.6 76.0





#9

Propene

Concen: 9.891 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

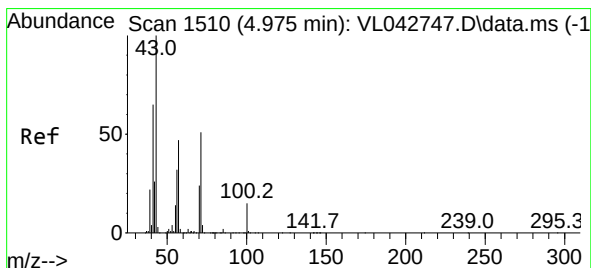
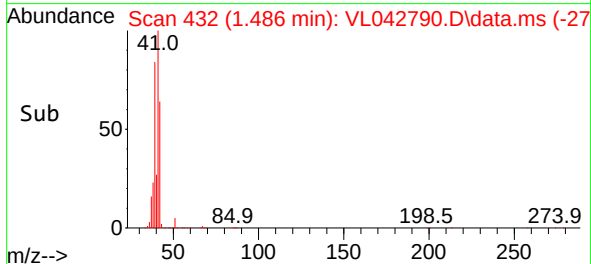
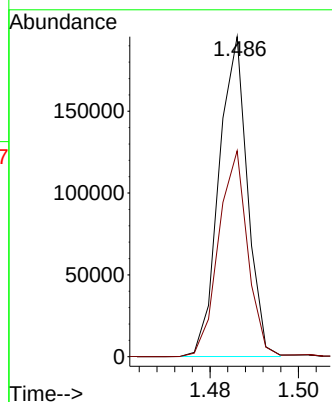
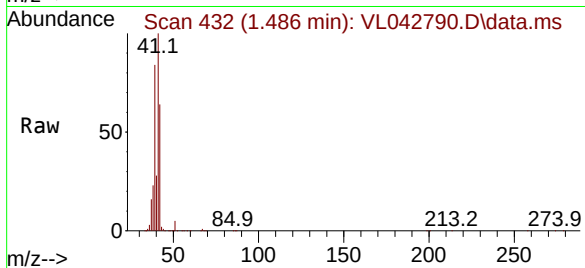
VL0731ABS01

Tgt Ion: 41 Resp: 87288

Ion Ratio Lower Upper

41 100

42 66.7 53.2 79.8



#10

Heptane

Concen: 10.724 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.016 min

Lab File: VL042790.D

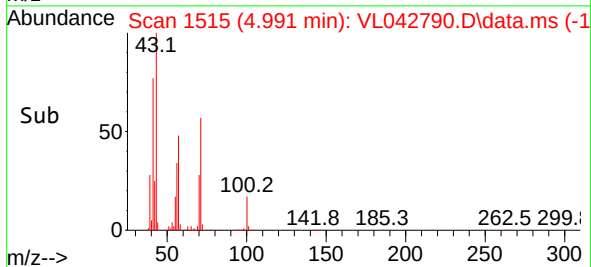
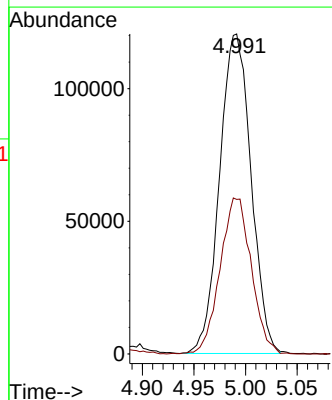
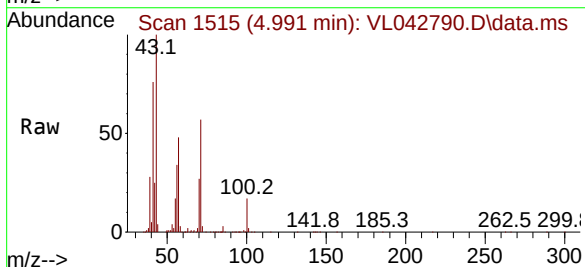
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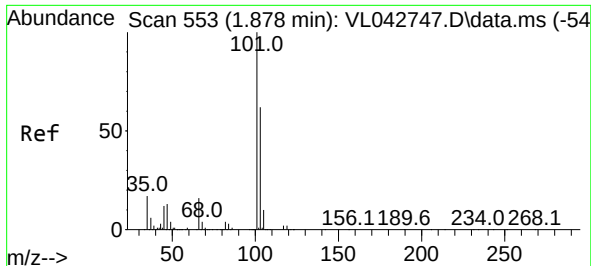
Tgt Ion: 43 Resp: 255178

Ion Ratio Lower Upper

43 100

57 48.6 39.9 59.9

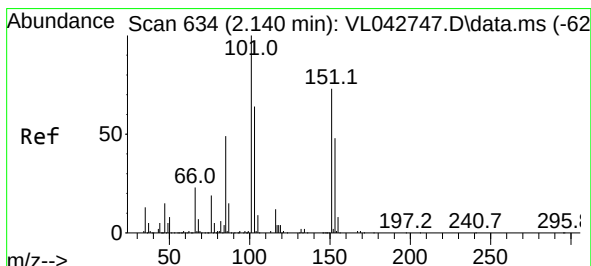
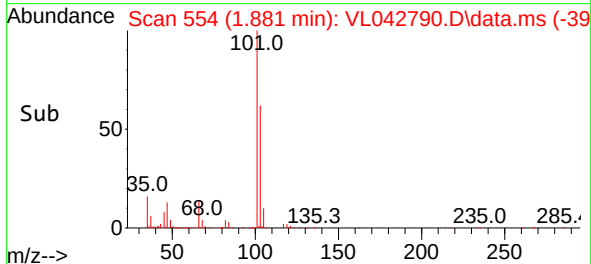
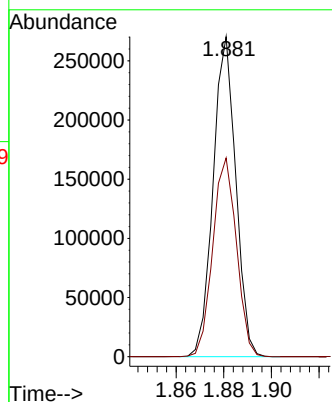
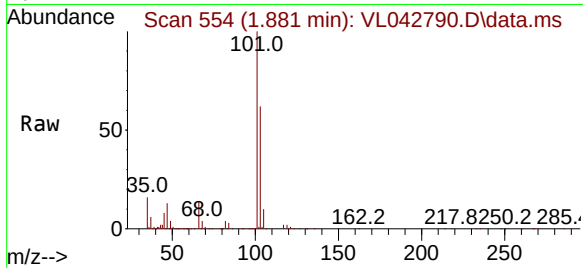




#11
 Trichlorofluoromethane
 Concen: 9.314 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

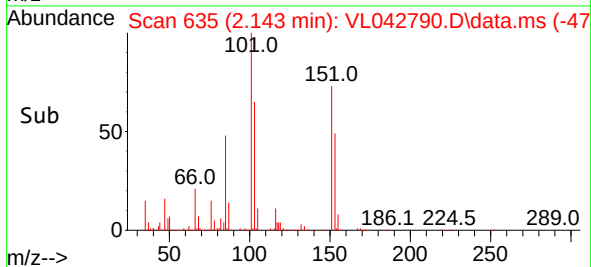
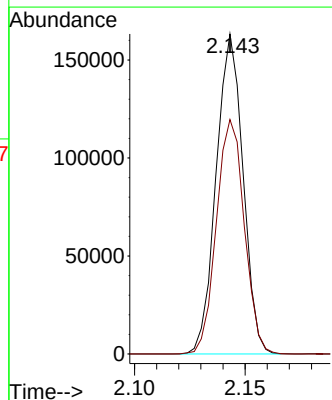
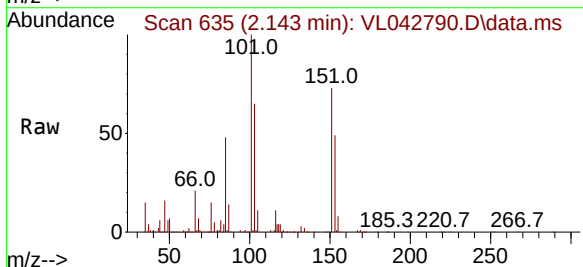
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

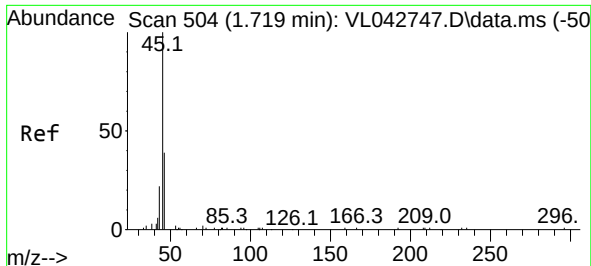
Tgt Ion:101 Resp: 178945
 Ion Ratio Lower Upper
 101 100
 103 62.1 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.446 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.003 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

Tgt Ion:101 Resp: 137912
 Ion Ratio Lower Upper
 101 100
 151 76.0 60.5 90.7

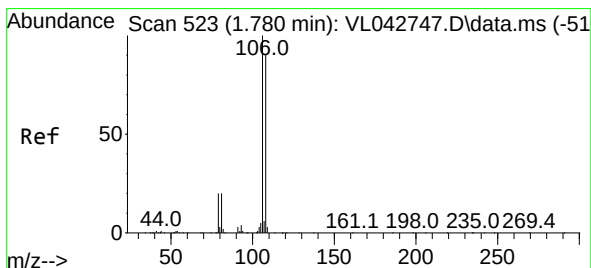
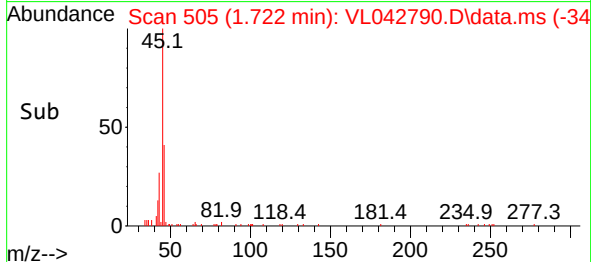
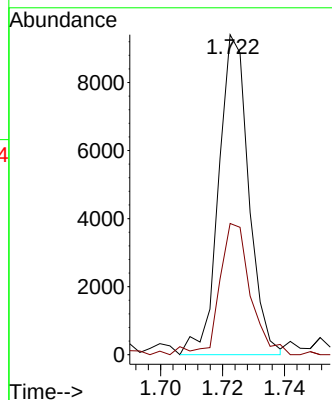
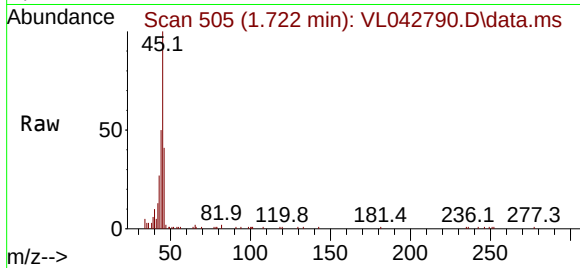




#13
Ethanol
Concen: 8.701 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

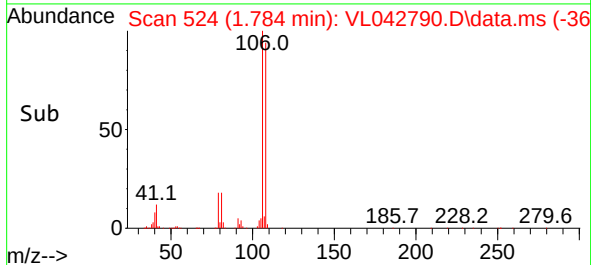
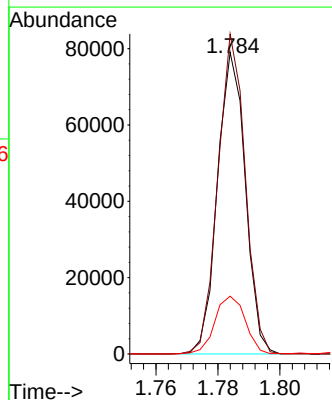
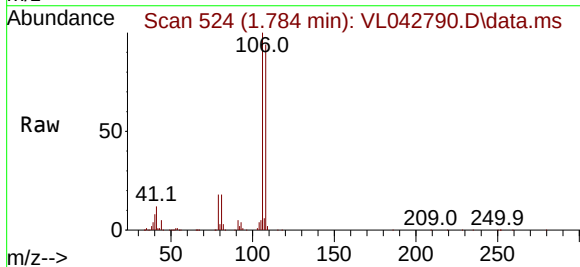
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

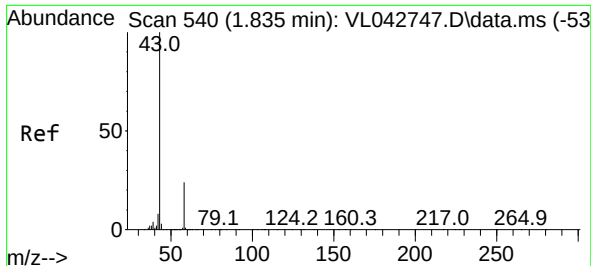
Tgt Ion: 45 Resp: 6331
Ion Ratio Lower Upper
45 100
46 42.3 17.8 71.4



#14
Bromoethene
Concen: 9.543 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 108 Resp: 49330
Ion Ratio Lower Upper
108 100
106 104.2 84.7 127.1
79 21.5 17.4 26.2

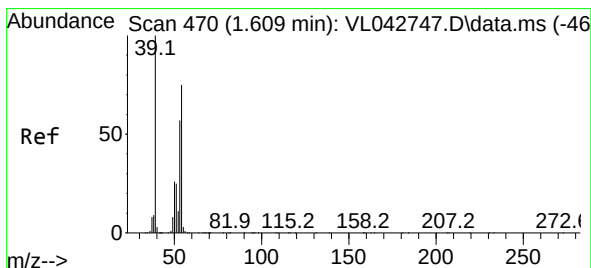
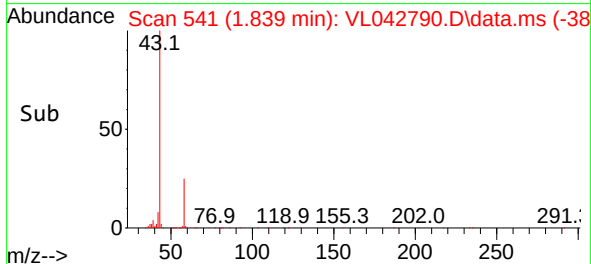
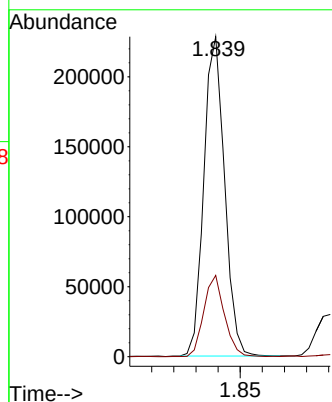
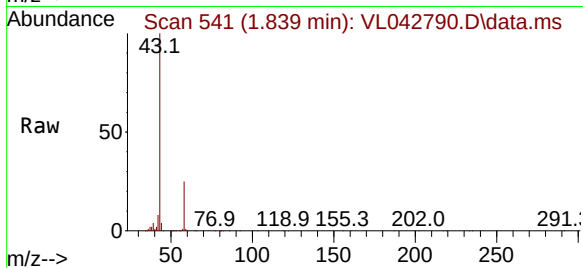




#15
 Acetone
 Concen: 7.590 ppbv
 RT: 1.839 min Scan# 540
 Delta R.T. 0.003 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

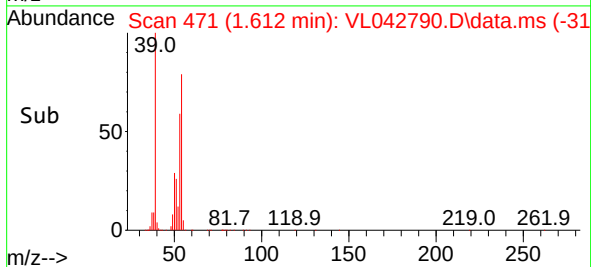
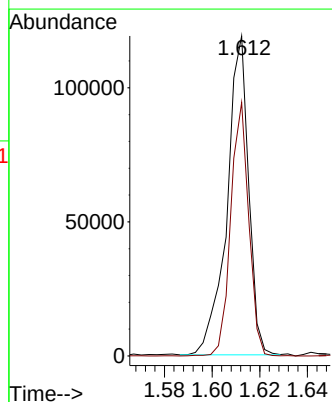
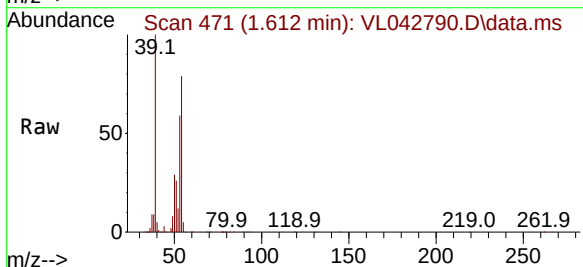
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

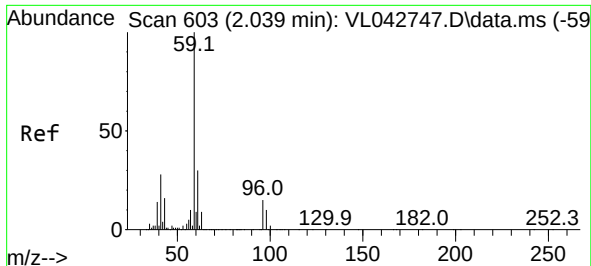
Tgt Ion: 43 Resp: 147760
 Ion Ratio Lower Upper
 43 100
 58 25.5 19.8 29.8



#16
 1,3-Butadiene
 Concen: 9.012 ppbv
 RT: 1.612 min Scan# 471
 Delta R.T. 0.003 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

Tgt Ion: 39 Resp: 74826
 Ion Ratio Lower Upper
 39 100
 54 66.1 54.5 81.7





#17

tert-Butyl alcohol

Concen: 8.987 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

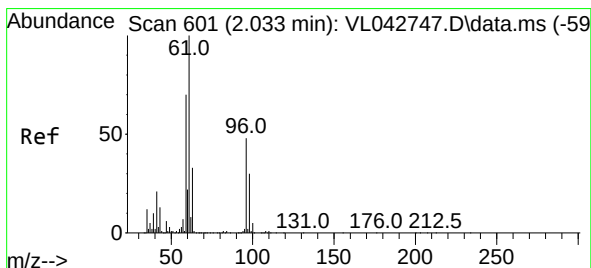
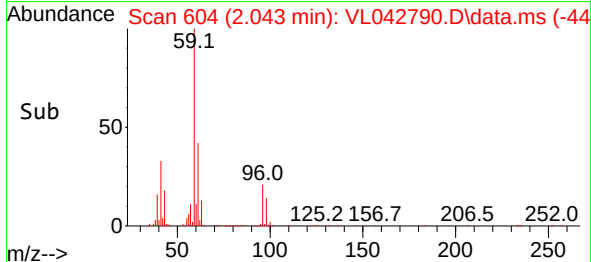
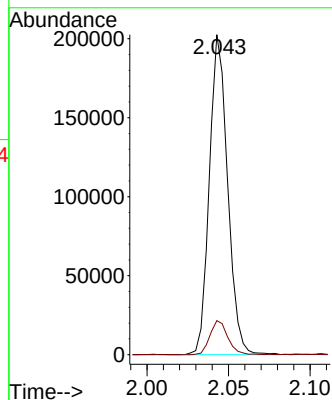
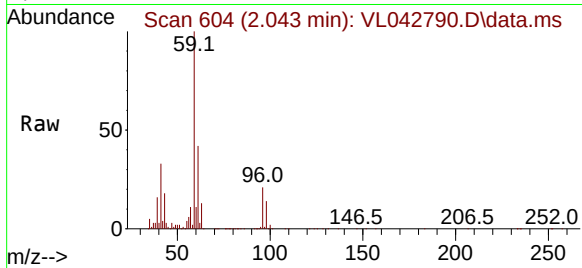
VL0731ABS01

Tgt Ion: 59 Resp: 157784

Ion Ratio Lower Upper

59 100

57 10.6 8.3 12.5



#18

1,1-Dichloroethene

Concen: 9.016 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

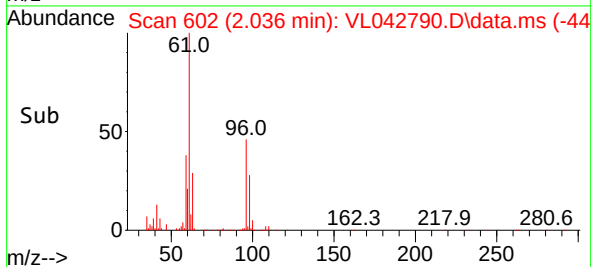
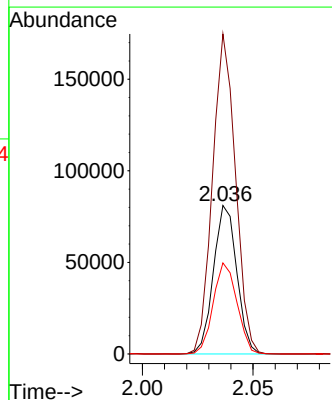
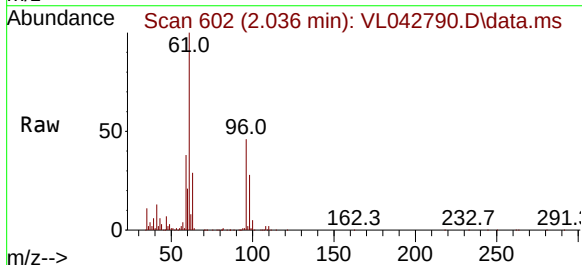
Tgt Ion: 96 Resp: 59478

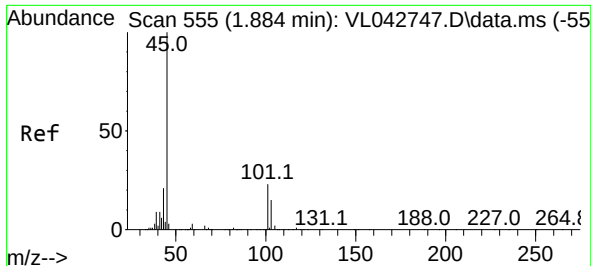
Ion Ratio Lower Upper

96 100

61 215.5 165.8 248.6

98 61.3 49.9 74.9

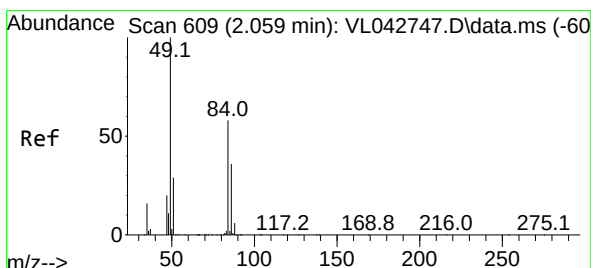
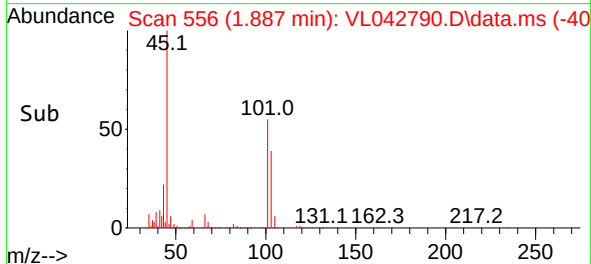
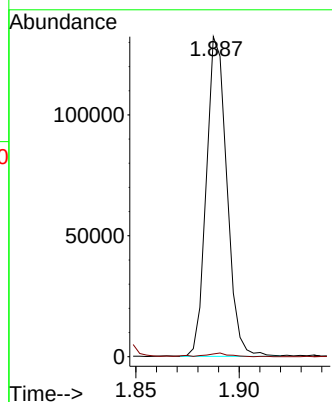
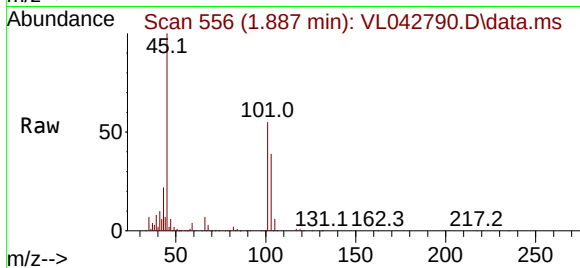




#19
Isopropyl Alcohol
Concen: 8.823 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

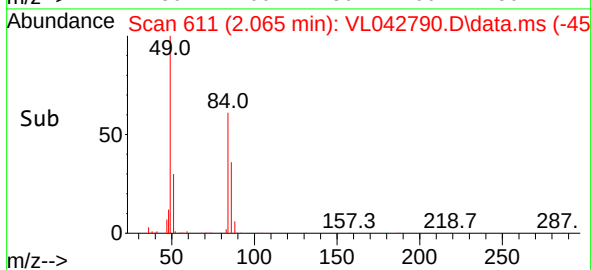
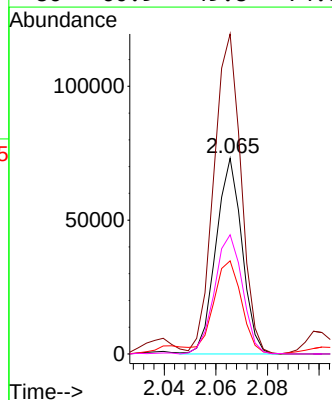
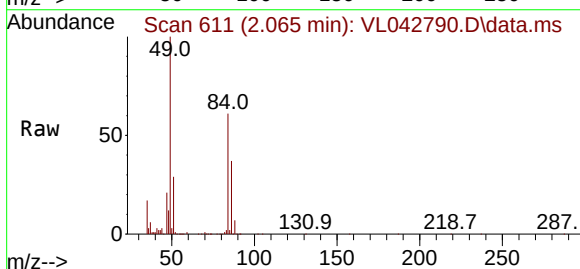
Instrument :
MSVOA_1
ClientSampleId :
VL0731ABS01

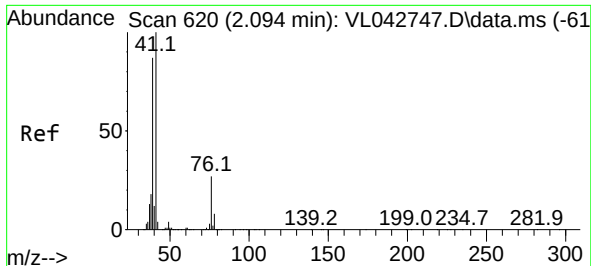
Tgt Ion: 45 Resp: 91274
Ion Ratio Lower Upper
45 100
58 41.3 30.0 45.0



#20
Methylene Chloride
Concen: 8.372 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 84 Resp: 51356
Ion Ratio Lower Upper
84 100
49 163.1 138.6 208.0
51 47.5 40.6 61.0
86 60.9 49.8 74.8

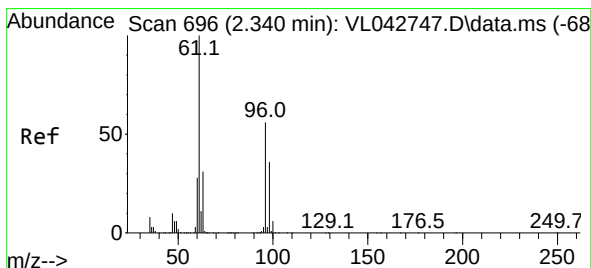
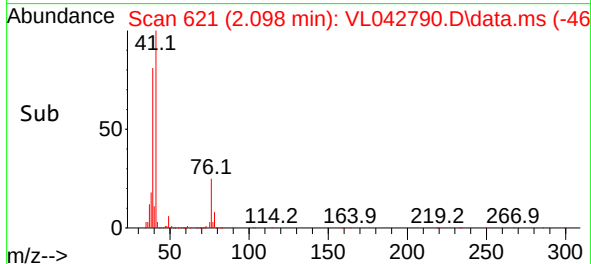
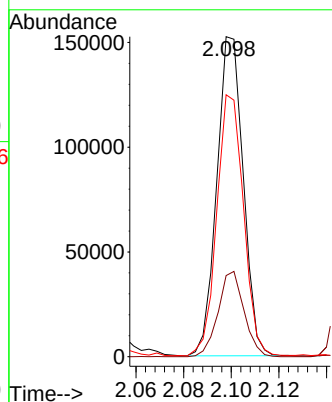
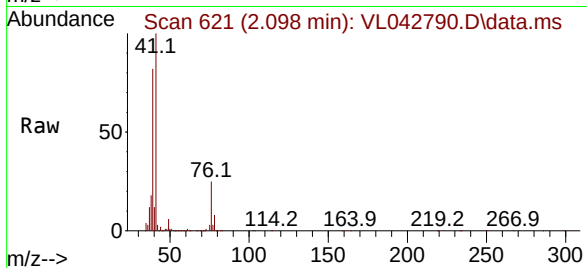




#21
 Allyl Chloride
 Concen: 9.776 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

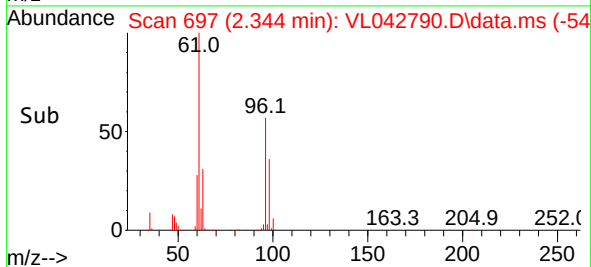
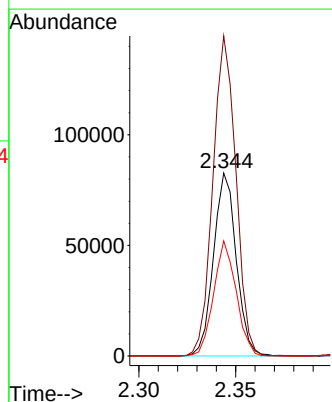
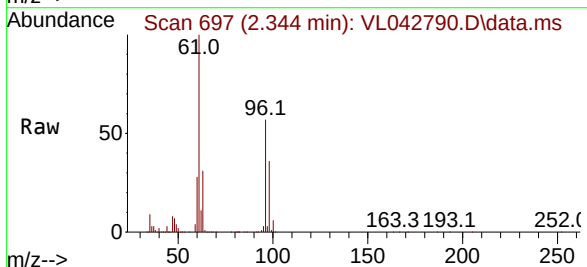
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0731ABS01

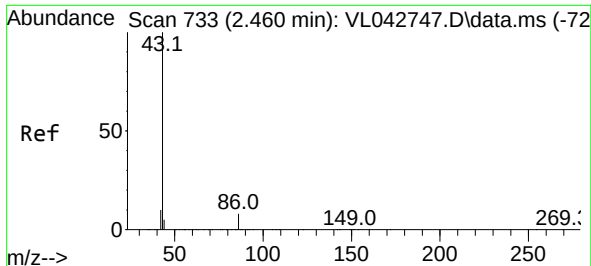
Tgt Ion: 41 Resp: 117287
 Ion Ratio Lower Upper
 41 100
 76 26.3 21.1 31.7
 39 82.6 68.3 102.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.517 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.003 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

Tgt Ion: 96 Resp: 67541
 Ion Ratio Lower Upper
 96 100
 61 175.0 142.3 213.5
 98 62.9 50.6 76.0



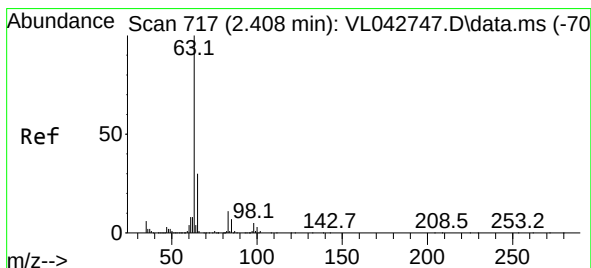
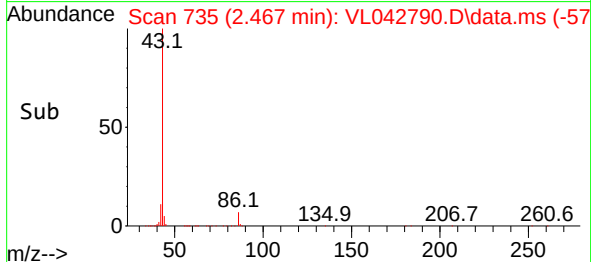
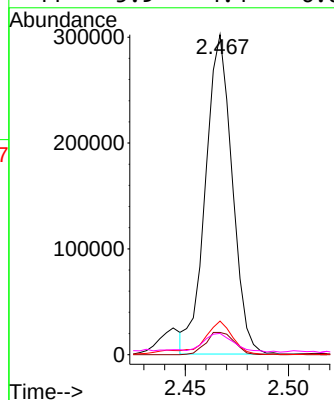
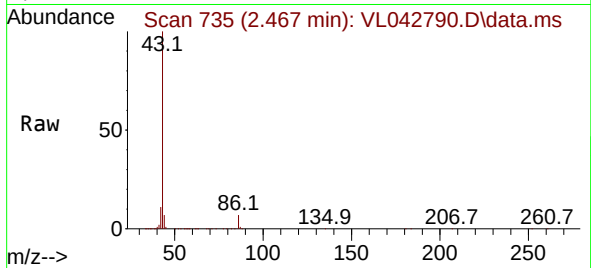


#23
 Vinyl Acetate
 Concen: 11.460 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.007 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0731ABS01

Tgt Ion: 43 Resp: 270452

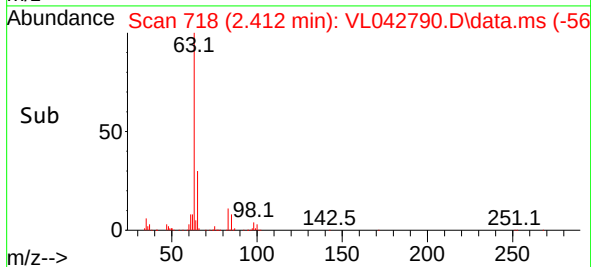
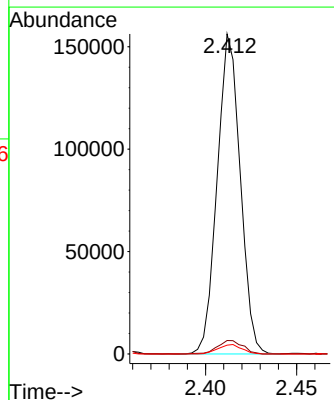
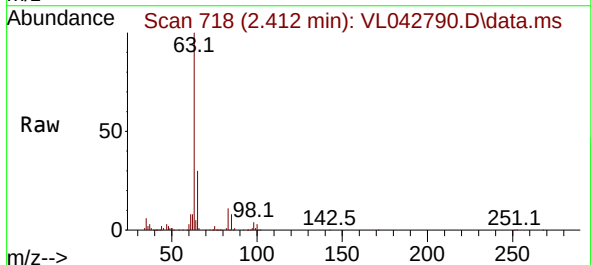
Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.1	9.1
42	10.4	7.8	11.8
44	5.9	4.4	6.6

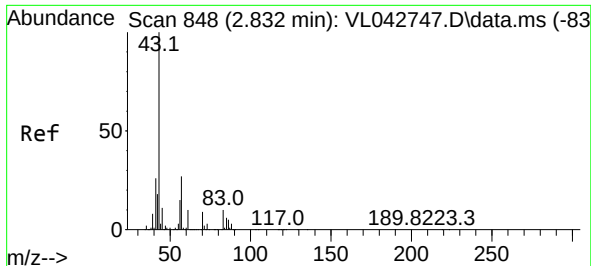


#24
 1,1-Dichloroethane
 Concen: 9.423 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

Tgt Ion: 63 Resp: 137263

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.5	7.4
100	2.8	1.6	4.8

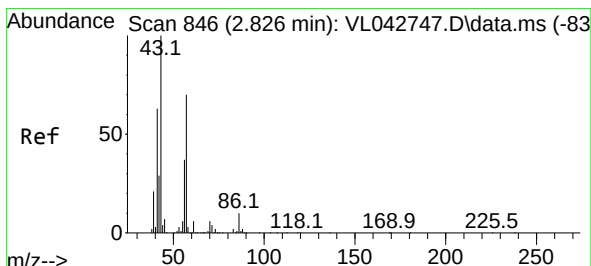
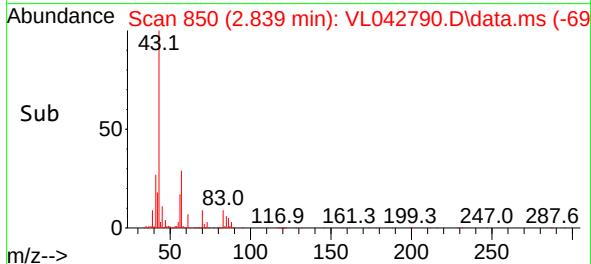
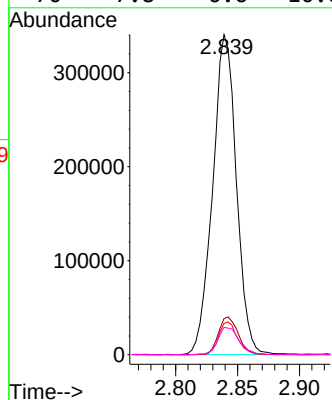
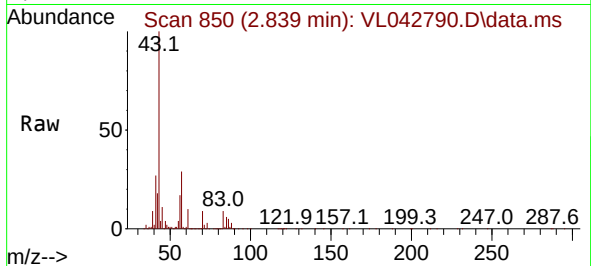




#25
Ethyl Acetate
Concen: 10.526 ppbv
RT: 2.839 min Scan# 848
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

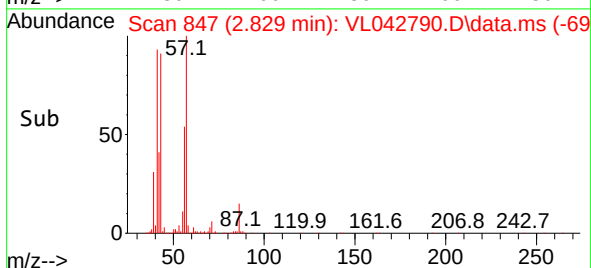
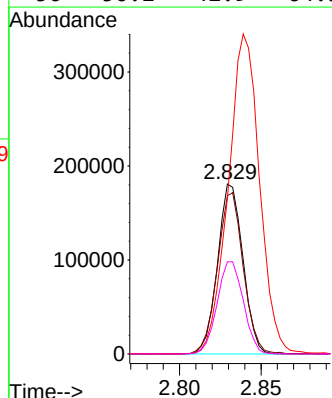
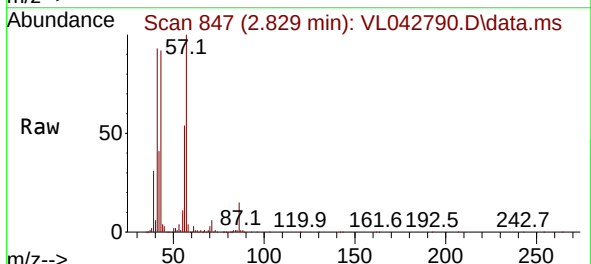
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

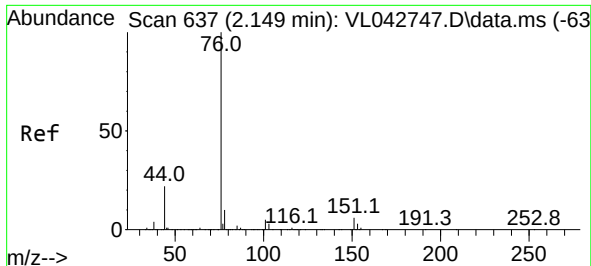
Tgt Ion: 43	Resp: 453552
Ion Ratio	Lower Upper
43 100	
45 9.9	7.8 11.6
61 8.3	6.7 10.1
70 7.8	6.6 10.0



#26
Hexane
Concen: 10.318 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 57	Resp: 195021
Ion Ratio	Lower Upper
57 100	
41 97.6	75.4 113.2
43 233.9	185.0 277.6
56 56.2	42.9 64.3

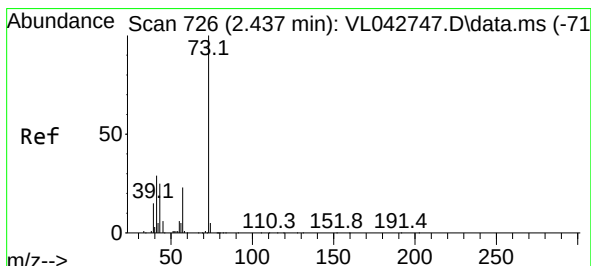
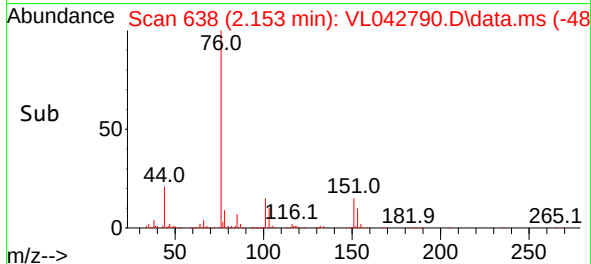
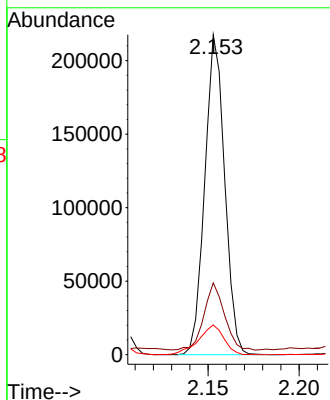
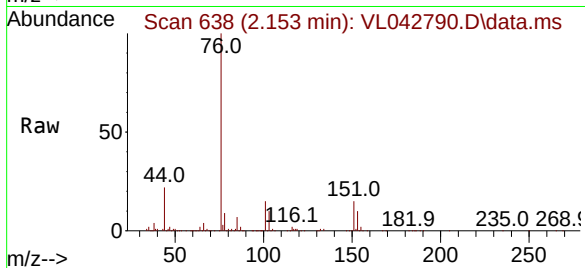




#27
Carbon Disulfide
Concen: 10.216 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

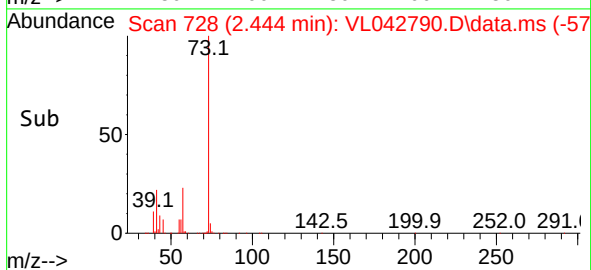
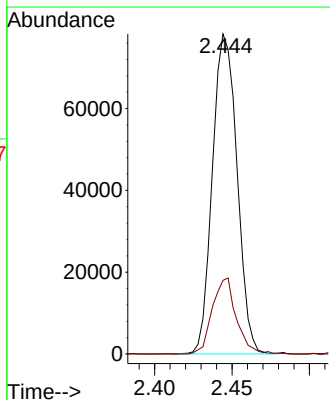
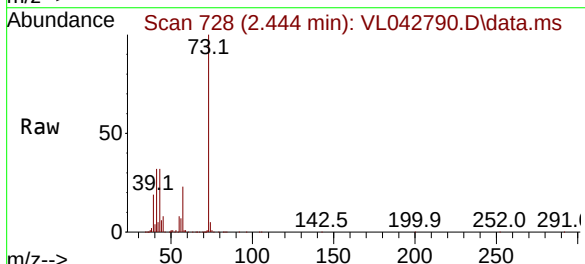
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

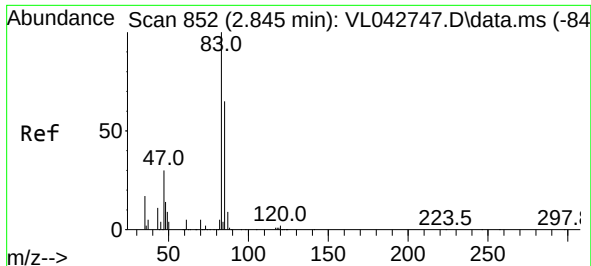
Tgt Ion: 76 Resp: 165318
Ion Ratio Lower Upper
76 100
44 21.3 19.3 28.9
78 11.8 9.9 14.9



#28
Methyl tert-Butyl Ether
Concen: 9.699 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 73 Resp: 86612
Ion Ratio Lower Upper
73 100
57 23.1 19.8 29.8

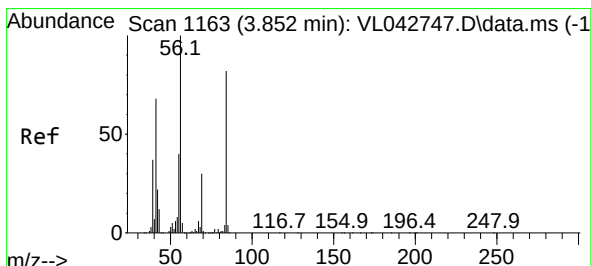
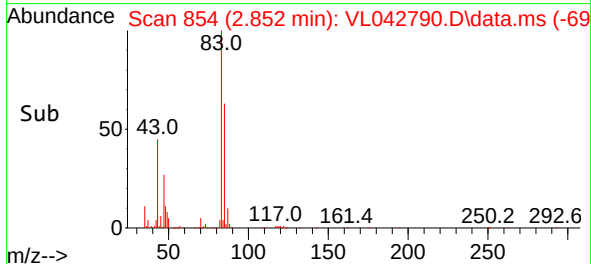
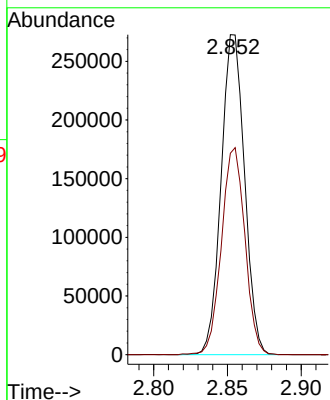
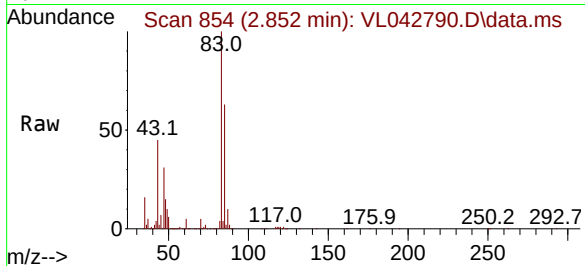




#29
Chloroform
Concen: 10.303 ppbv
RT: 2.852 min Scan# 852
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

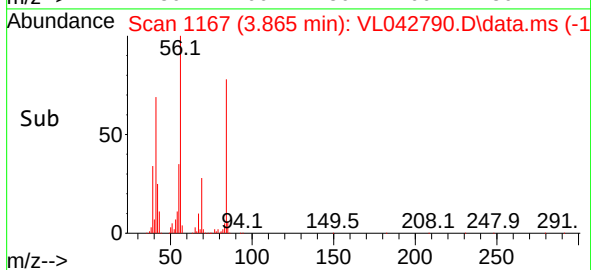
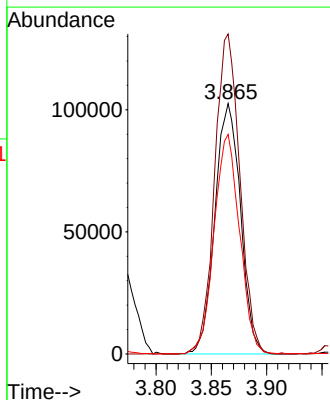
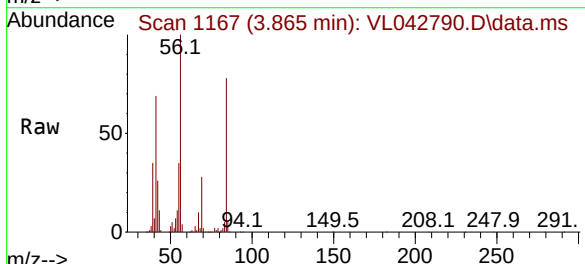
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

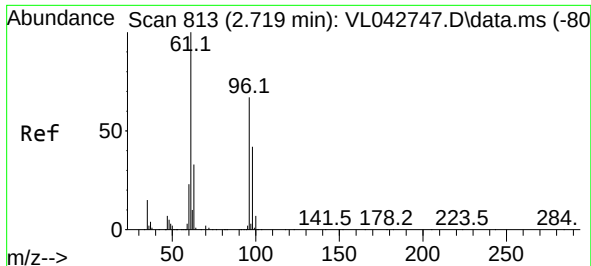
Tgt Ion: 83 Resp: 300921
Ion Ratio Lower Upper
83 100
85 62.9 52.2 78.2



#30
Cyclohexane
Concen: 10.299 ppbv
RT: 3.865 min Scan# 1167
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 84 Resp: 165101
Ion Ratio Lower Upper
84 100
56 125.4 97.5 146.3
41 87.4 67.2 100.8

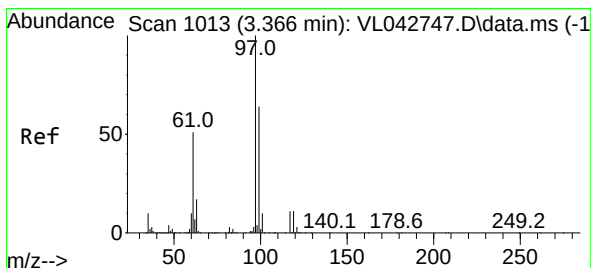
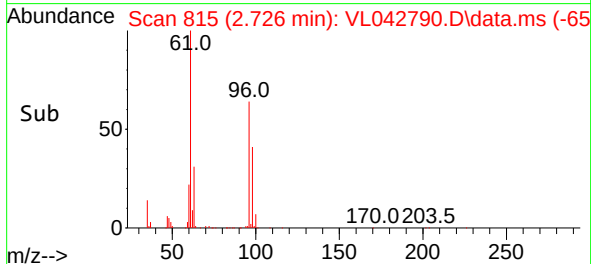
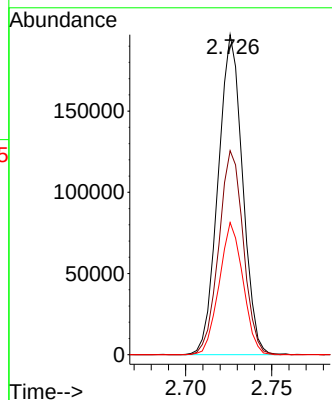
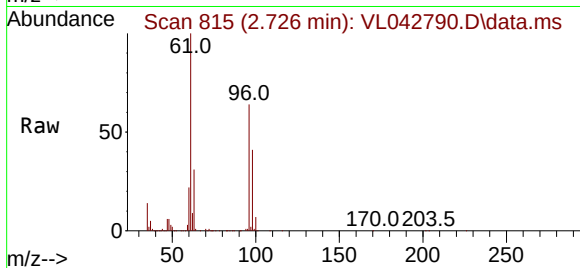




#31
cis-1,2-Dichloroethene
Concen: 10.022 ppbv
RT: 2.726 min Scan# 813
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

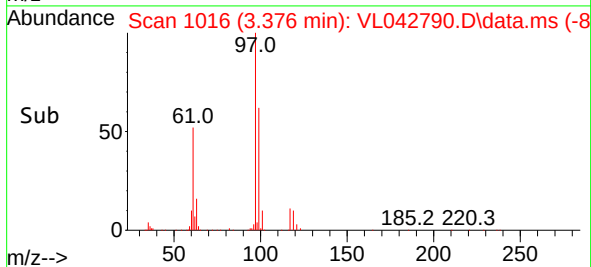
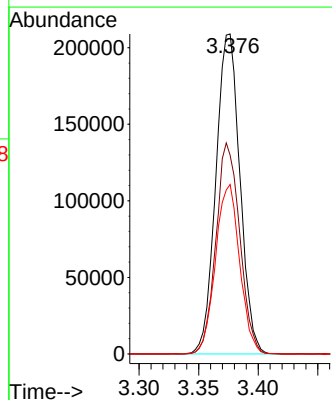
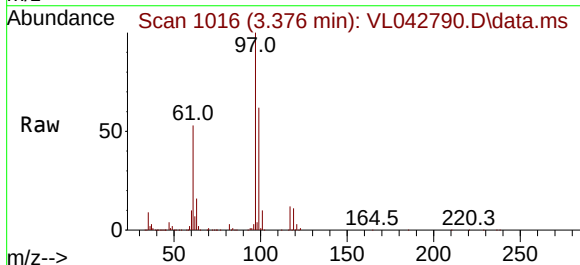
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

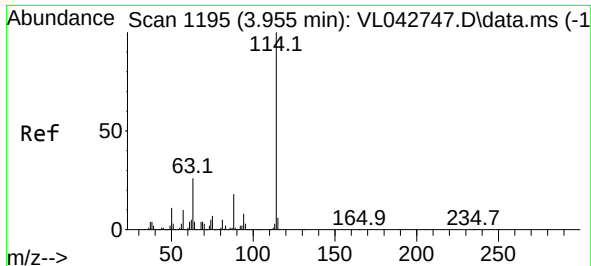
Tgt Ion: 61 Resp: 194661
Ion Ratio Lower Upper
61 100
96 63.8 53.5 80.3
98 41.3 33.6 50.4



#32
1,1,1-Trichloroethane
Concen: 9.647 ppbv
RT: 3.376 min Scan# 1016
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 97 Resp: 293497
Ion Ratio Lower Upper
97 100
99 65.1 51.0 76.6
61 53.3 40.9 61.3

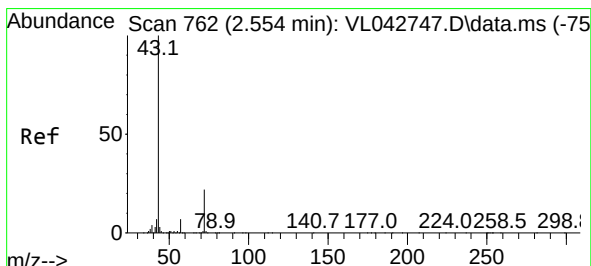
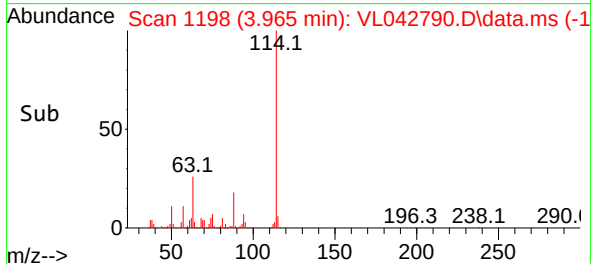
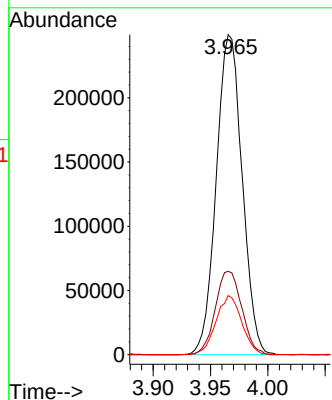
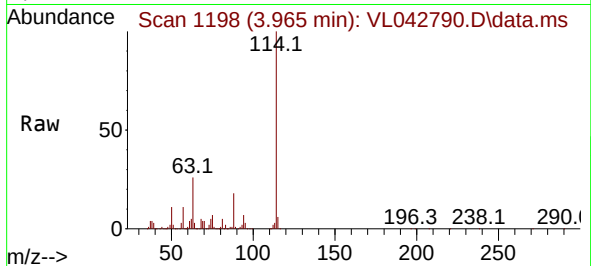




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1195
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

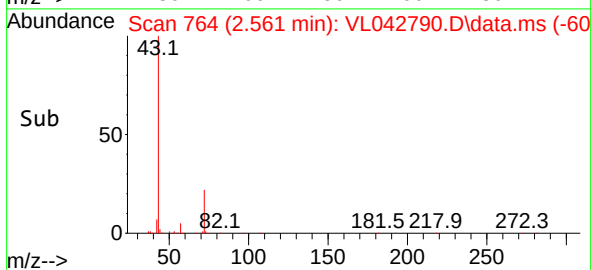
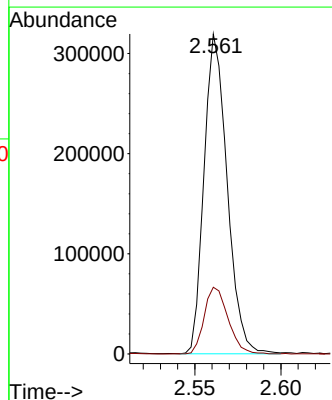
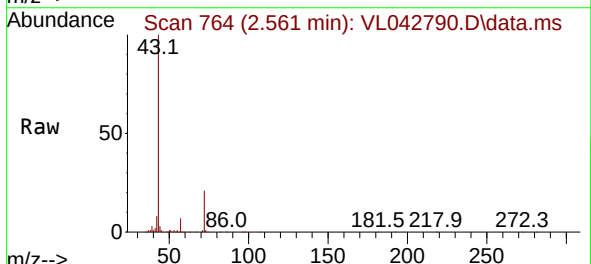
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

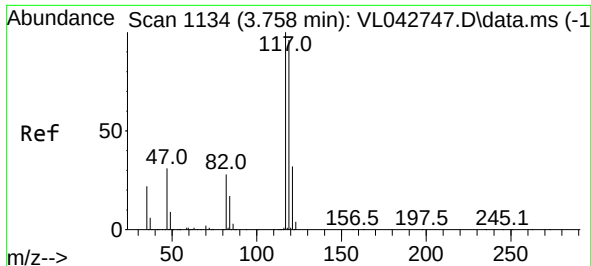
Tgt Ion:114 Resp: 391458
Ion Ratio Lower Upper
114 100
63 26.7 20.5 30.7
88 18.4 14.0 21.0



#34
2-Butanone
Concen: 10.758 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 43 Resp: 298296
Ion Ratio Lower Upper
43 100
72 21.6 17.4 26.0

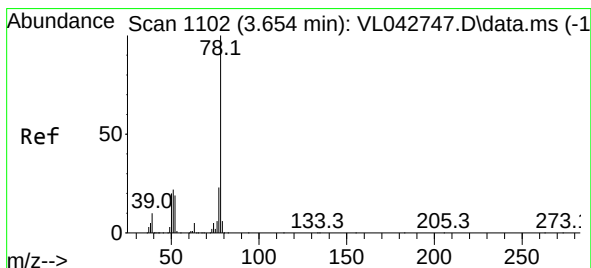
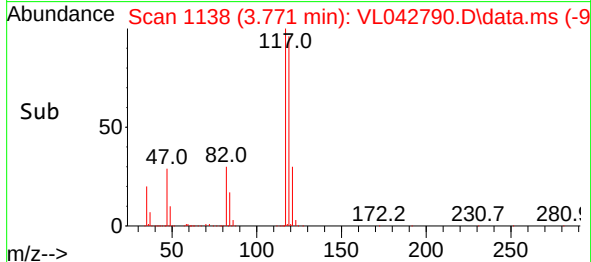
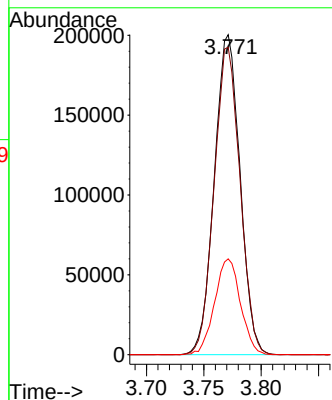
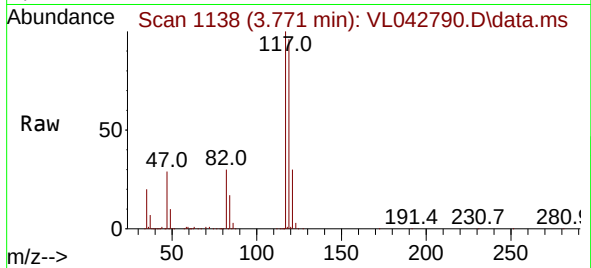




#35
Carbon Tetrachloride
Concen: 10.748 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

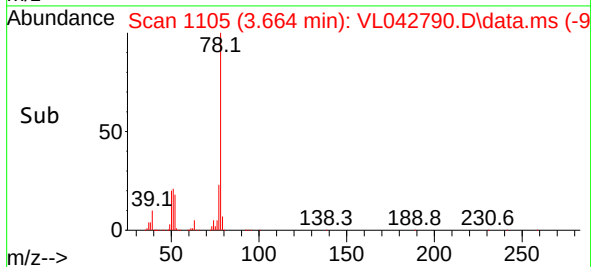
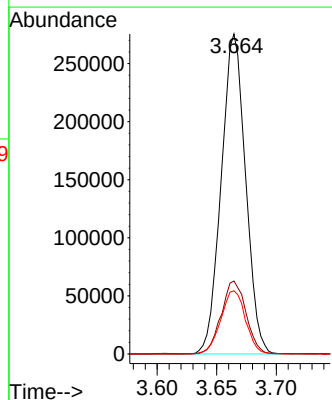
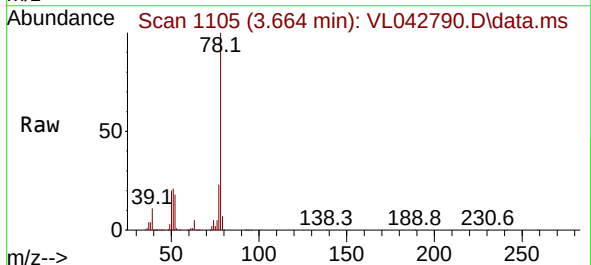
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

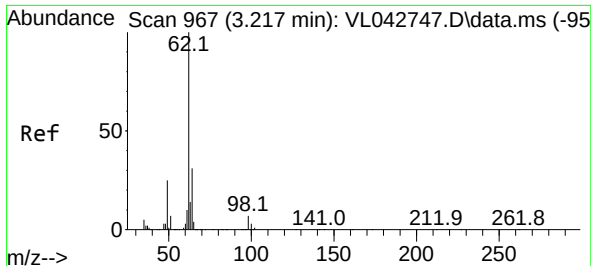
Tgt Ion:117 Resp: 312530
Ion Ratio Lower Upper
117 100
119 96.1 77.1 115.7
121 30.0 25.5 38.3



#36
Benzene
Concen: 10.536 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 78 Resp: 390877
Ion Ratio Lower Upper
78 100
77 22.7 18.5 27.7
50 19.8 16.2 24.2





#37

1,2-Dichloroethane

Concen: 10.589 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.007 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

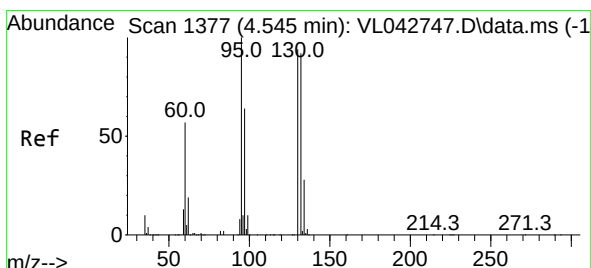
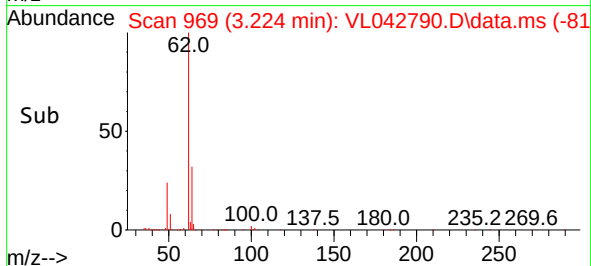
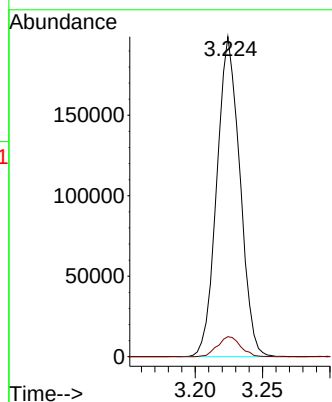
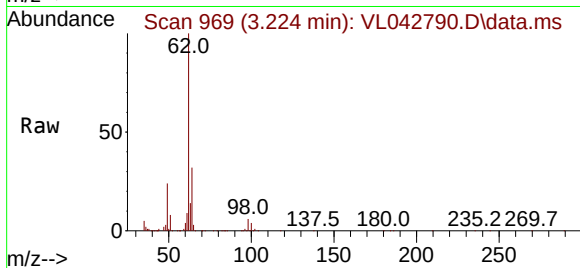
VL0731ABS01

Tgt Ion: 62 Resp: 236656

Ion Ratio Lower Upper

62 100

98 6.2 5.2 7.8



#38

Trichloroethene

Concen: 9.776 ppbv

RT: 4.558 min Scan# 1381

Delta R.T. 0.013 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Tgt Ion:130 Resp: 174246

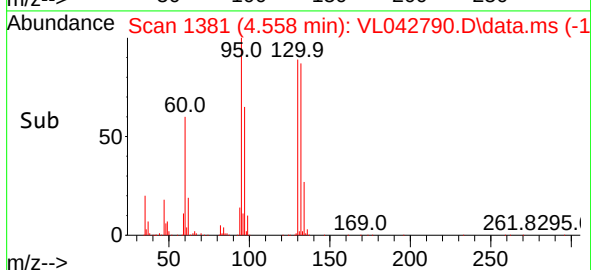
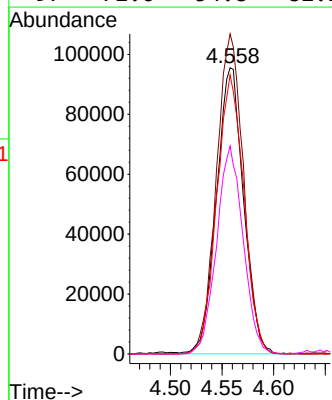
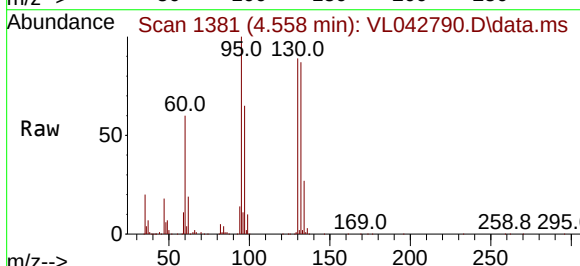
Ion Ratio Lower Upper

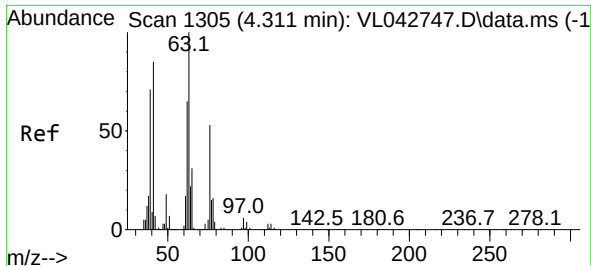
130 100

95 111.7 85.4 128.2

132 97.5 78.2 117.2

97 72.6 54.8 82.2





#39

1,2-Dichloropropane

Concen: 10.536 ppbv

RT: 4.321 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

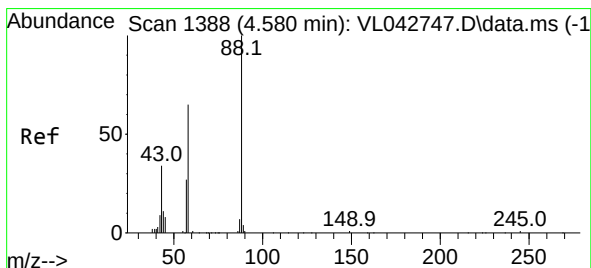
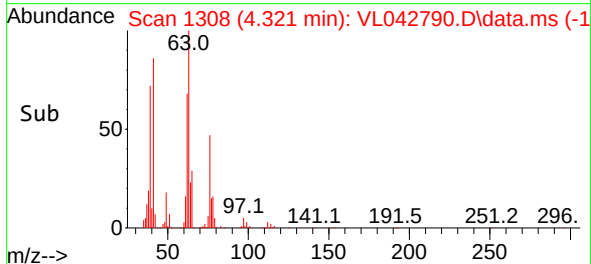
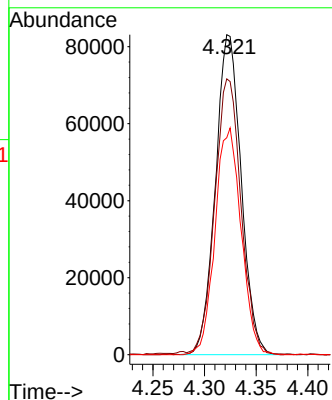
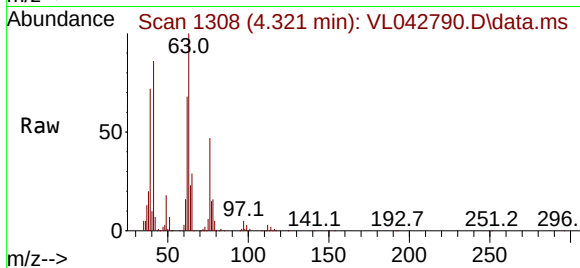
Tgt Ion: 63 Resp: 144288

Ion Ratio Lower Upper

63 100

41 86.0 68.2 102.4

62 67.8 52.0 78.0



#40

1,4-Dioxane

Concen: 8.594 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. 0.010 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Tgt Ion: 88 Resp: 54856

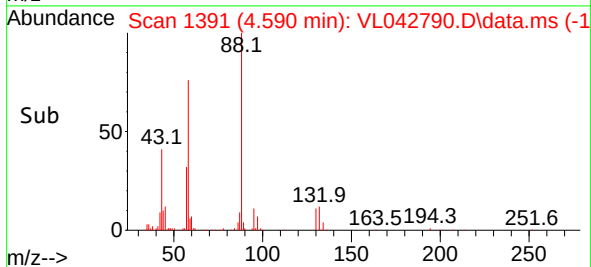
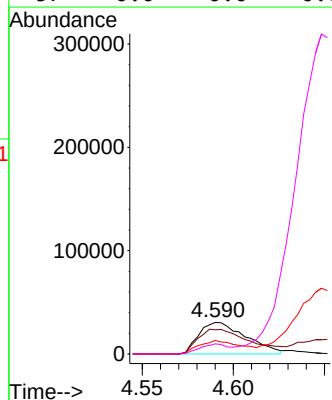
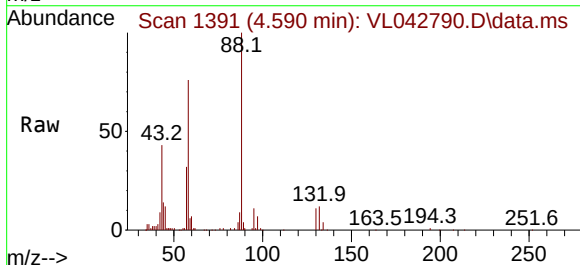
Ion Ratio Lower Upper

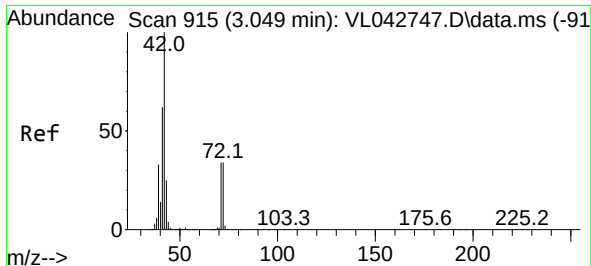
88 100

58 85.8 58.8 88.2

43 34.3 28.9 43.3

57 0.0 0.0 0.0

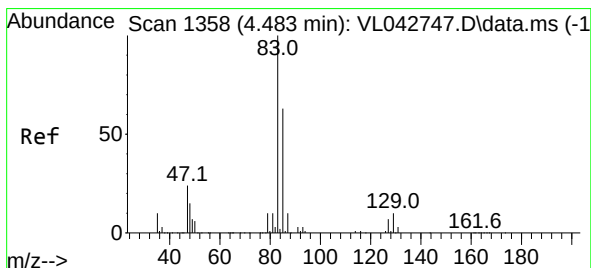
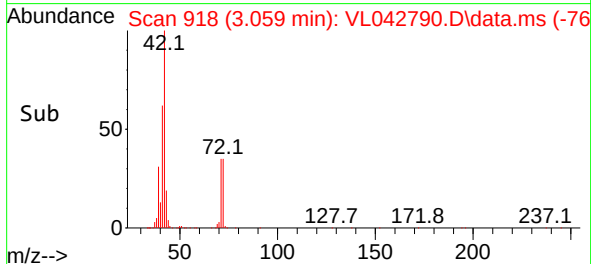
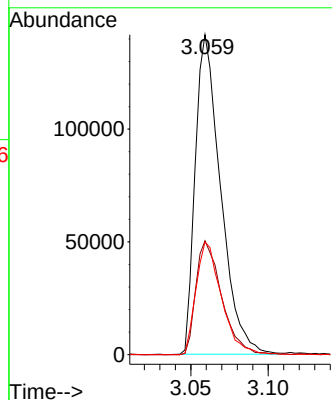
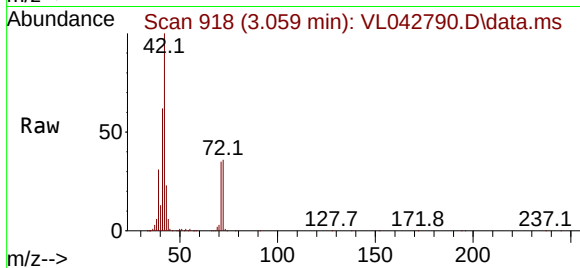




#41
Tetrahydrofuran
Concen: 11.448 ppbv
RT: 3.059 min Scan# 915
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

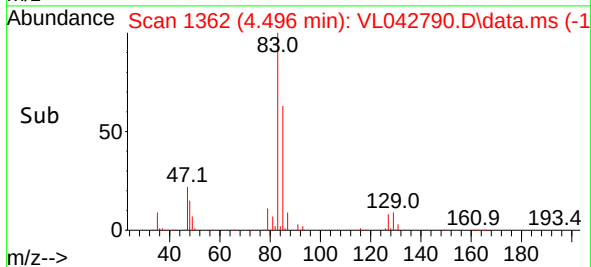
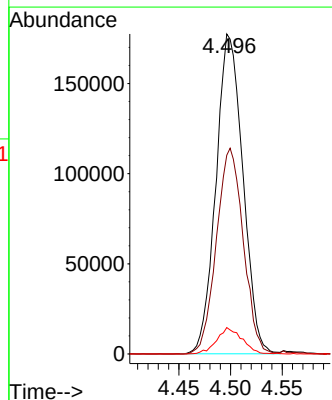
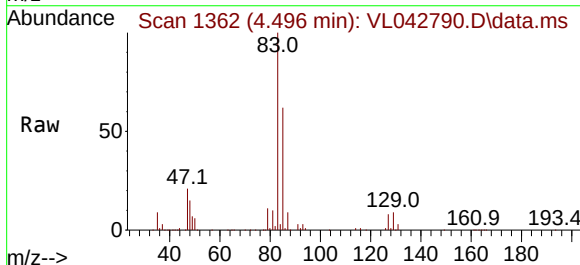
Instrument :
MSVOA_1
ClientSampleId :
VL0731ABS01

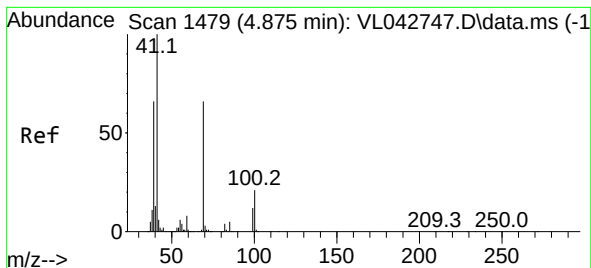
Tgt Ion: 42 Resp: 161537
Ion Ratio Lower Upper
42 100
72 36.5 30.9 46.3
71 35.5 28.6 43.0



#42
Bromodichloromethane
Concen: 11.059 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 83 Resp: 321891
Ion Ratio Lower Upper
83 100
85 62.2 50.2 75.4
127 8.2 5.4 8.2#





#43

Methyl Methacrylate

Concen: 11.512 ppbv

RT: 4.888 min Scan# 1479

Delta R.T. 0.013 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

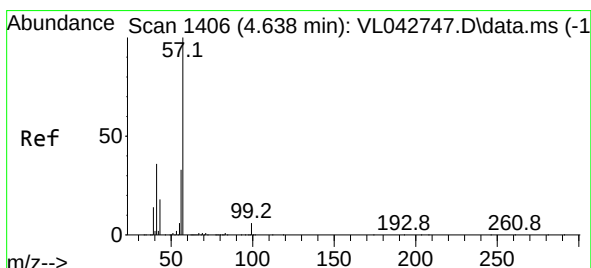
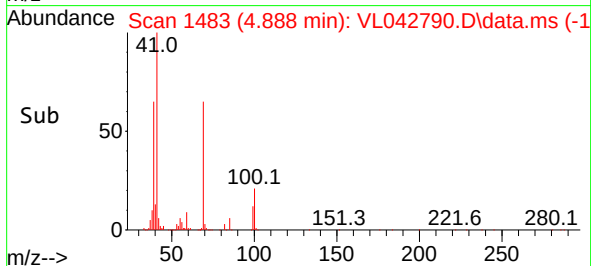
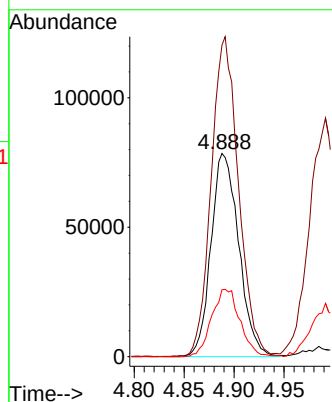
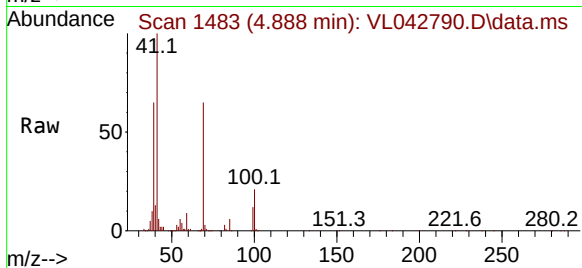
Tgt Ion: 69 Resp: 151803

Ion Ratio Lower Upper

69 100

41 154.2 125.7 188.5

100 33.8 28.6 42.8



#44

2,2,4-Trimethylpentane

Concen: 11.121 ppbv

RT: 4.648 min Scan# 1409

Delta R.T. 0.010 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

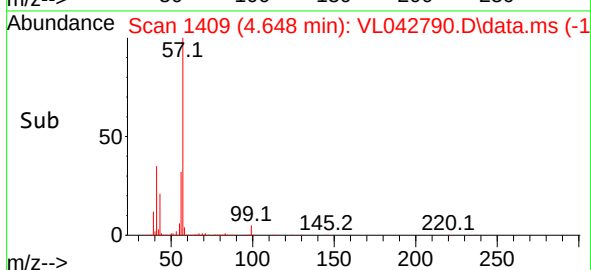
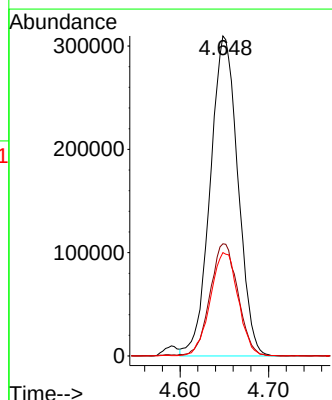
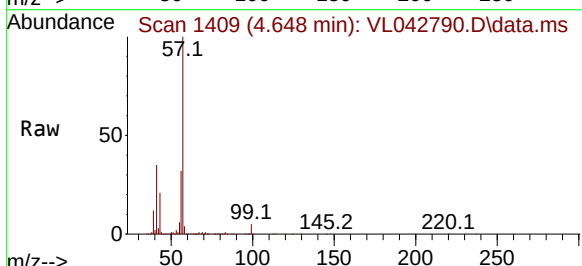
Tgt Ion: 57 Resp: 672509

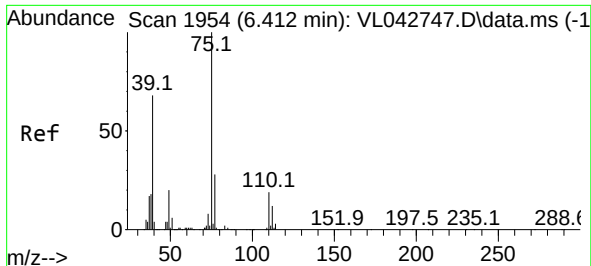
Ion Ratio Lower Upper

57 100

41 35.5 28.3 42.5

56 32.7 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 11.199 ppbv

RT: 6.425 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_1

ClientSampleId :

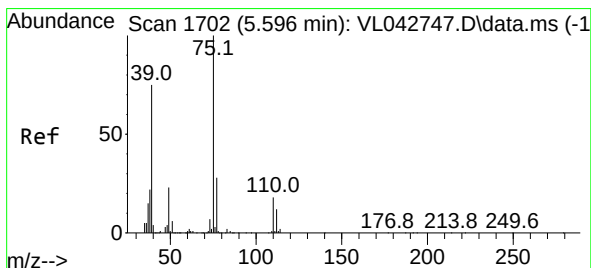
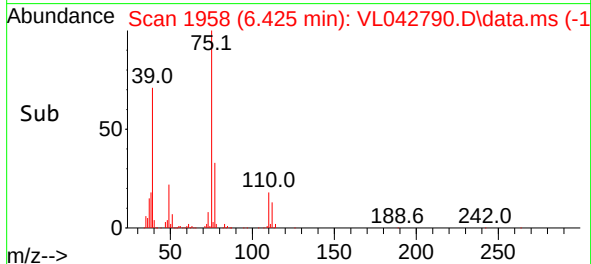
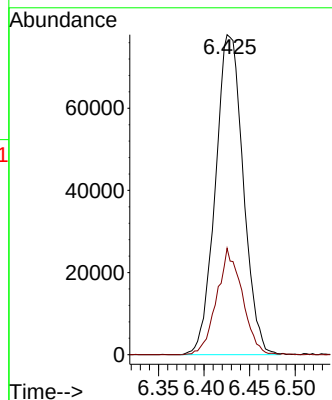
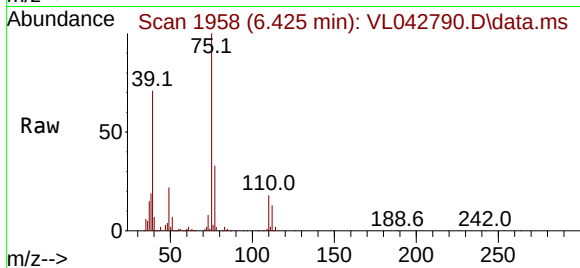
VL0731ABS01

Tgt Ion: 75 Resp: 165606

Ion Ratio Lower Upper

75 100

77 33.3 22.4 33.6



#46

cis-1,3-Dichloropropene

Concen: 11.143 ppbv

RT: 5.613 min Scan# 1707

Delta R.T. 0.016 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

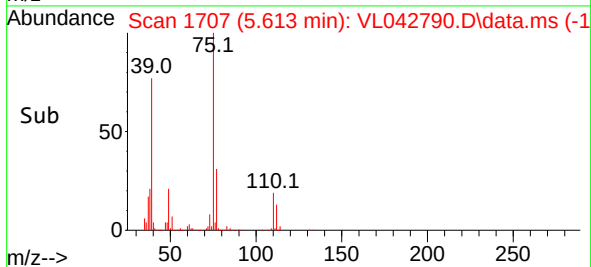
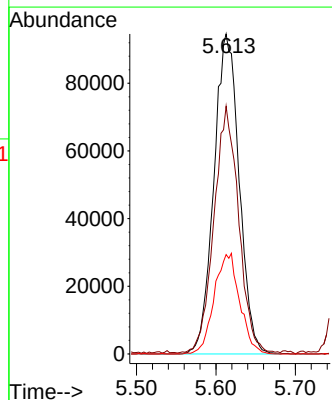
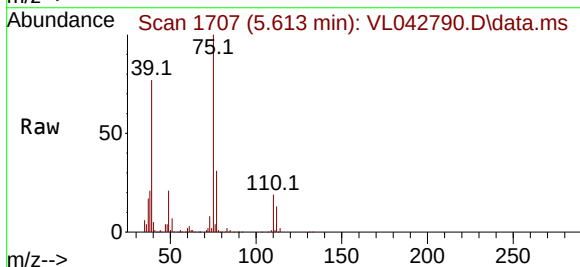
Tgt Ion: 75 Resp: 208804

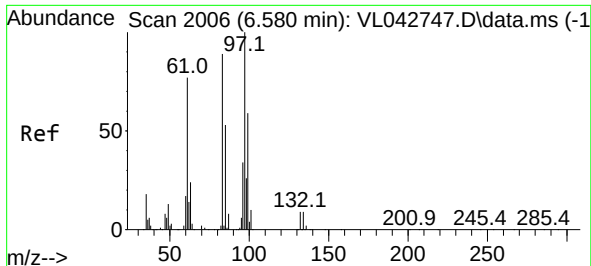
Ion Ratio Lower Upper

75 100

39 77.0 60.2 90.2

77 31.0 22.6 34.0

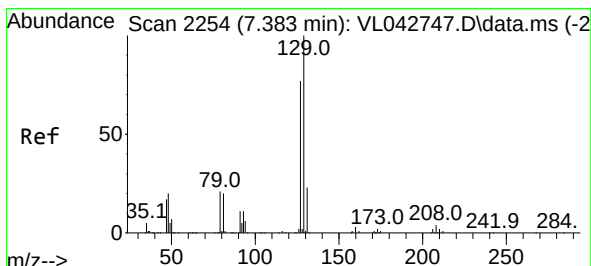
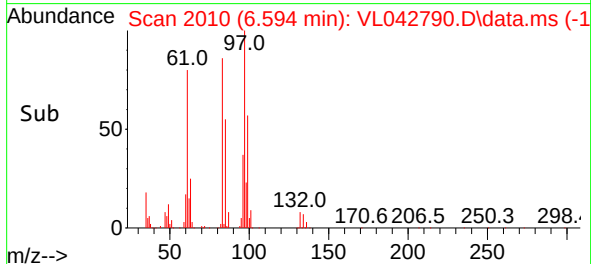
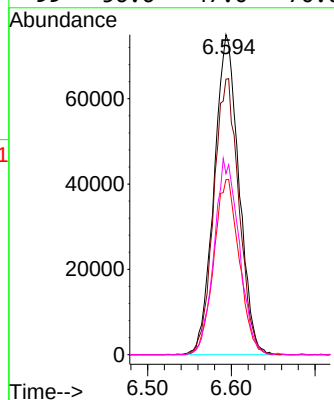
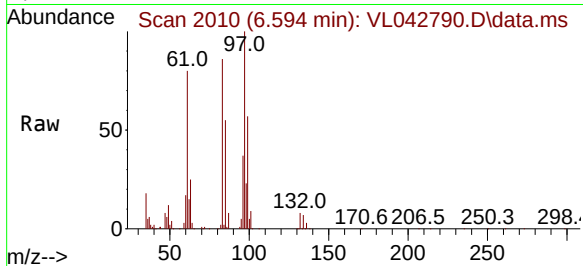




#47
1,1,2-Trichloroethane
Concen: 10.587 ppbv
RT: 6.594 min Scan# 2006
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

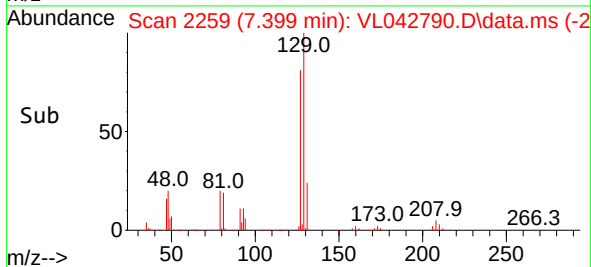
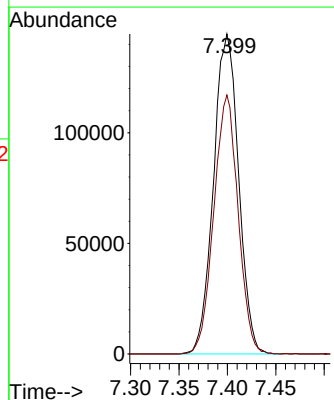
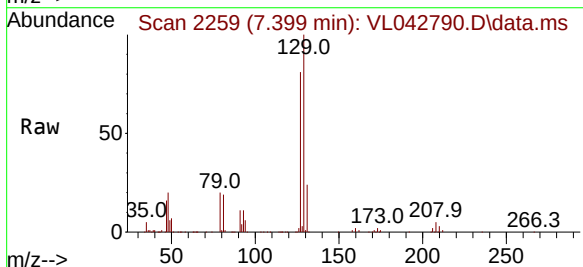
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

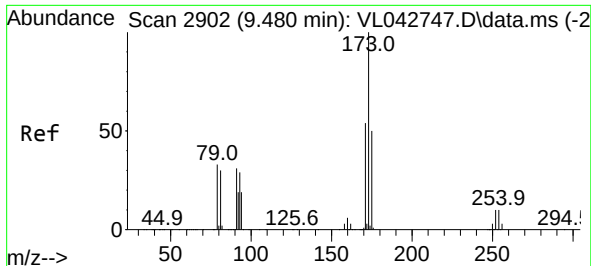
Tgt Ion: 97 Resp: 154552
Ion Ratio Lower Upper
97 100
83 86.1 71.1 106.7
85 54.7 43.0 64.4
99 56.6 47.0 70.6



#48
Dibromochloromethane
Concen: 11.278 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.016 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 129 Resp: 261380
Ion Ratio Lower Upper
129 100
127 78.2 38.7 116.1

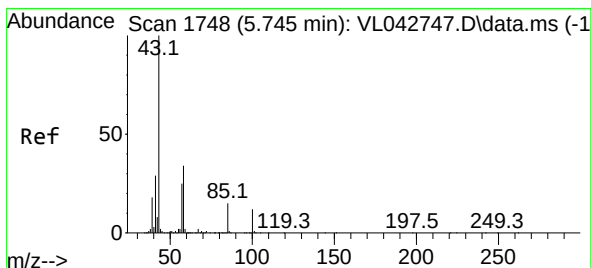
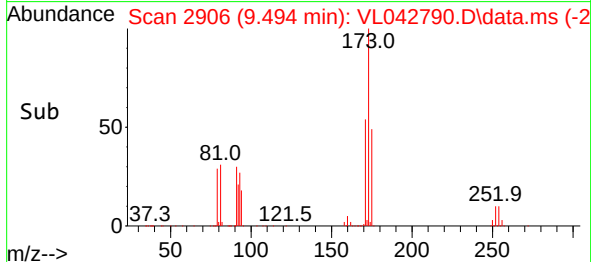
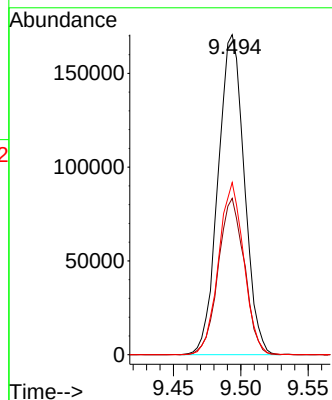
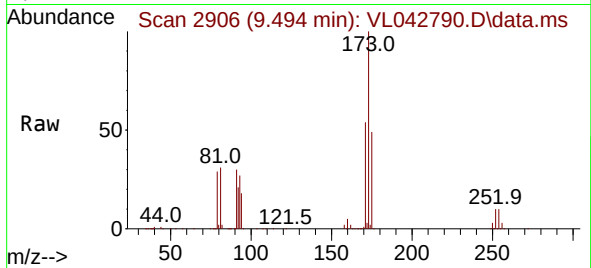




#49
Bromoform
Concen: 11.433 ppbv
RT: 9.494 min Scan# 2906
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

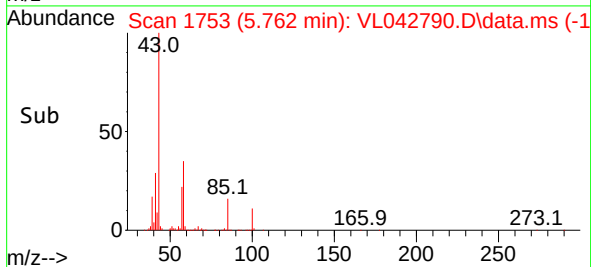
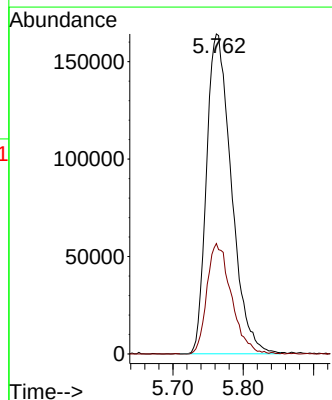
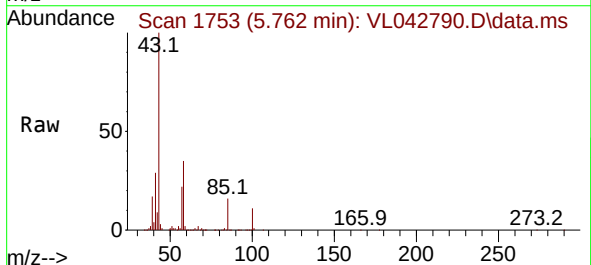
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

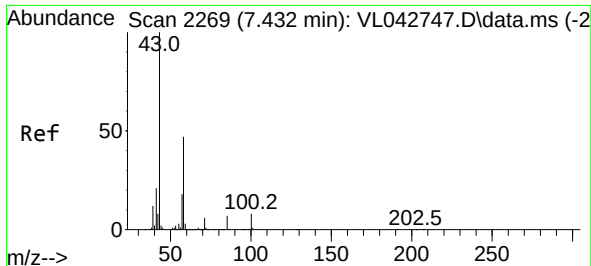
Tgt Ion:173 Resp: 231022
Ion Ratio Lower Upper
173 100
175 48.6 38.4 57.6
171 51.8 40.9 61.3



#50
4-Methyl-2-Pentanone
Concen: 11.270 ppbv
RT: 5.762 min Scan# 1753
Delta R.T. 0.016 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 43 Resp: 402543
Ion Ratio Lower Upper
43 100
58 34.0 27.8 41.8

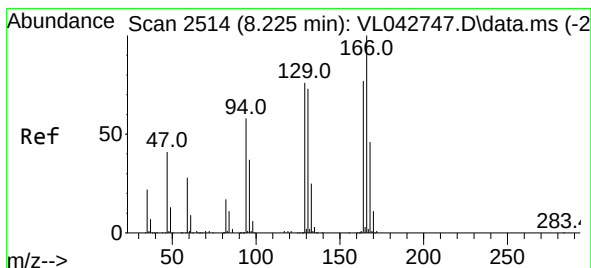
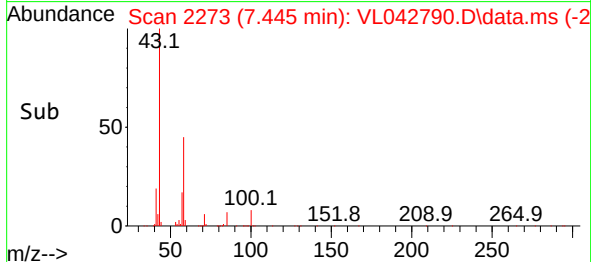
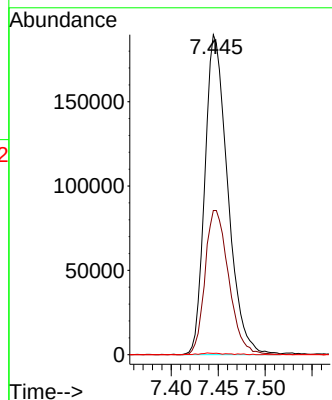
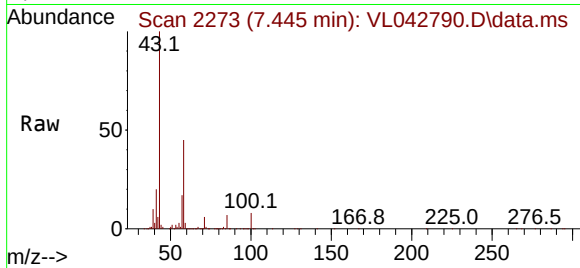




#51
2-Hexanone
Concen: 11.895 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

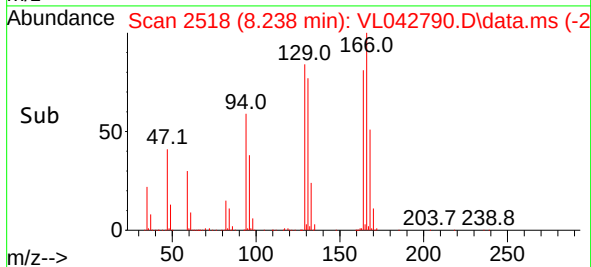
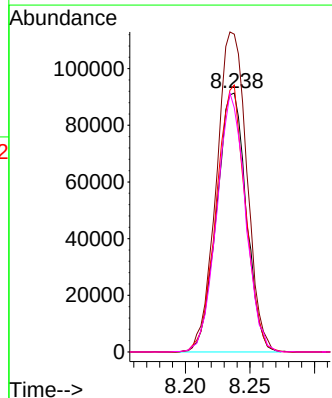
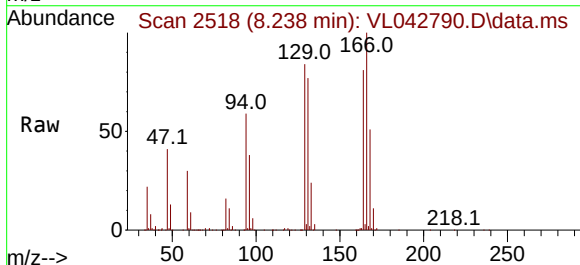
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

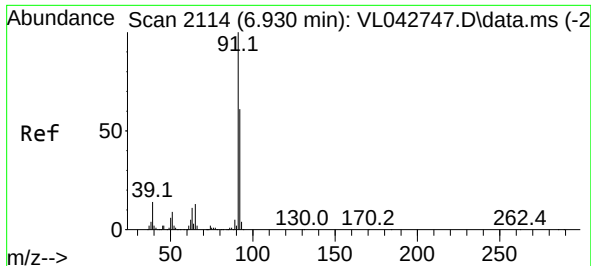
Tgt Ion: 43 Resp: 321076
Ion Ratio Lower Upper
43 100
58 46.7 38.0 57.0
98 0.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 9.479 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:164 Resp: 145761
Ion Ratio Lower Upper
164 100
166 122.6 104.0 156.0
129 103.0 79.2 118.8
131 94.1 76.2 114.4





#53

Toluene

Concen: 11.041 ppbv

RT: 6.943 min Scan# 2114

Delta R.T. 0.013 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

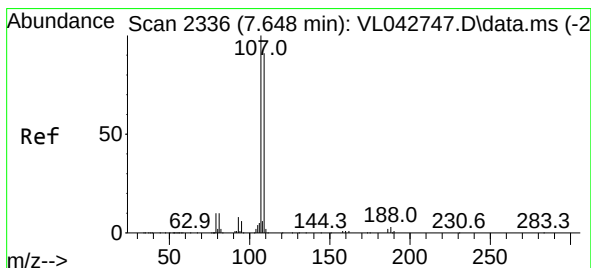
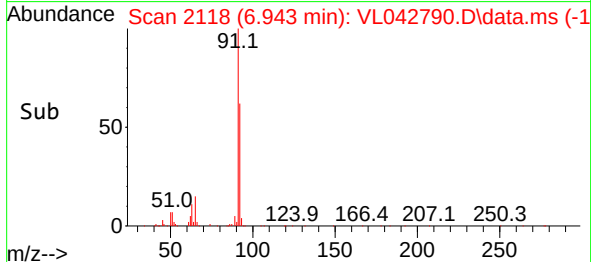
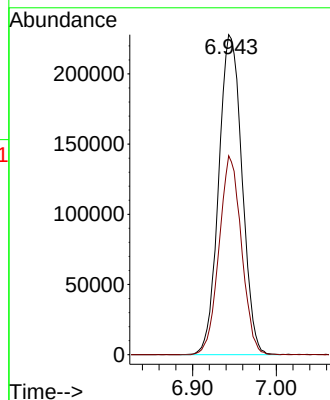
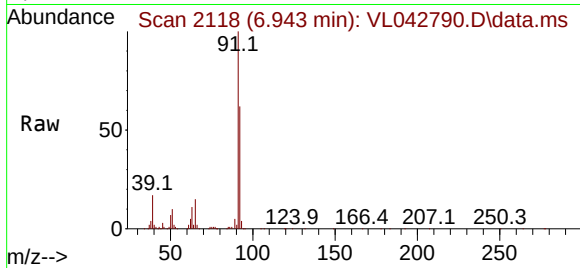
VL0731ABS01

Tgt Ion: 91 Resp: 439867

Ion Ratio Lower Upper

91 100

92 59.7 48.0 72.0



#54

1,2-Dibromoethane

Concen: 10.928 ppbv

RT: 7.665 min Scan# 2341

Delta R.T. 0.016 min

Lab File: VL042790.D

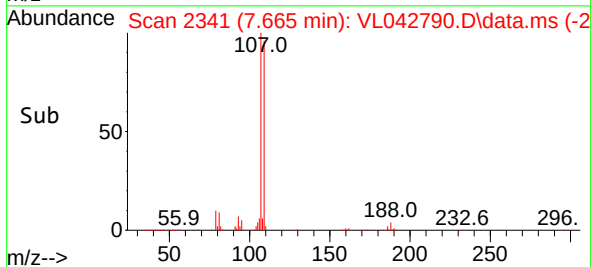
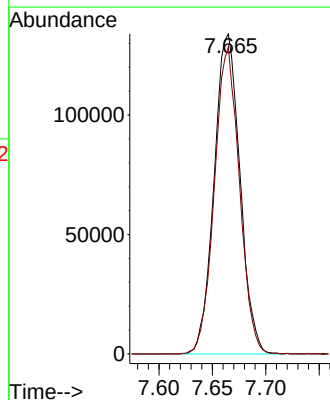
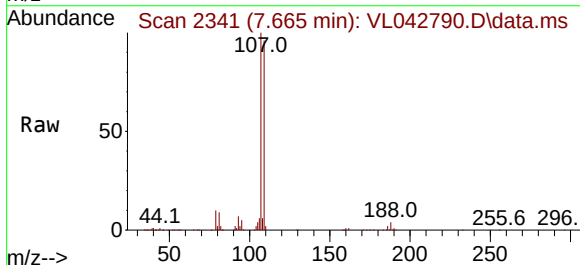
Acq: 31 Jul 2025 10:15

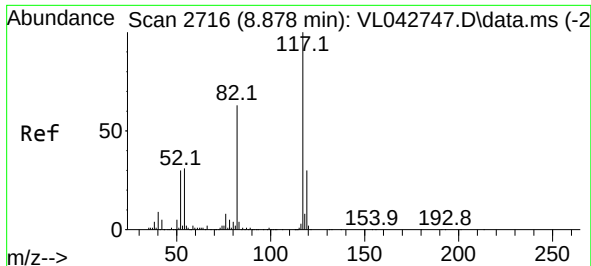
Tgt Ion: 107 Resp: 225399

Ion Ratio Lower Upper

107 100

109 95.9 72.7 109.1

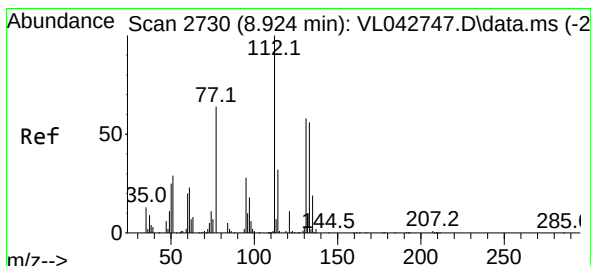
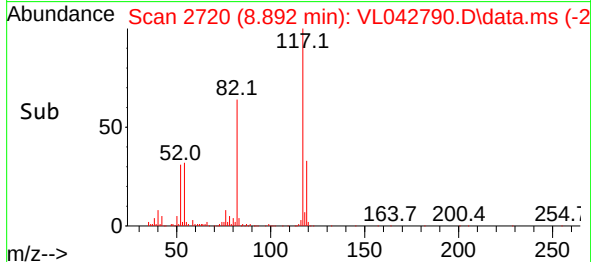
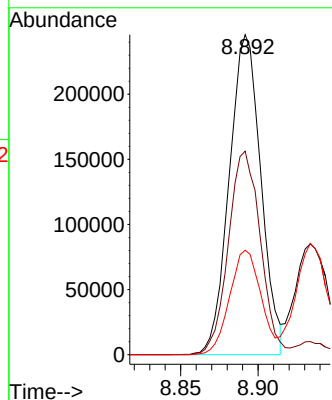
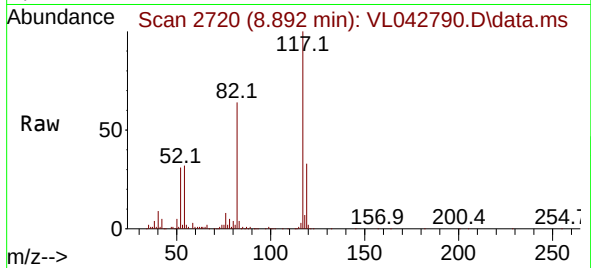




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

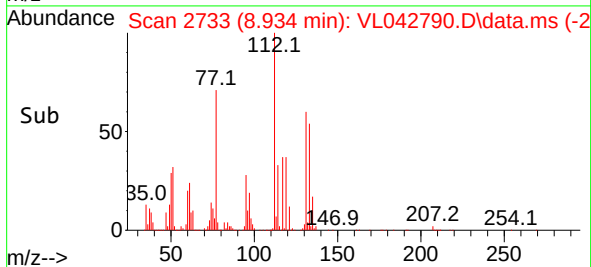
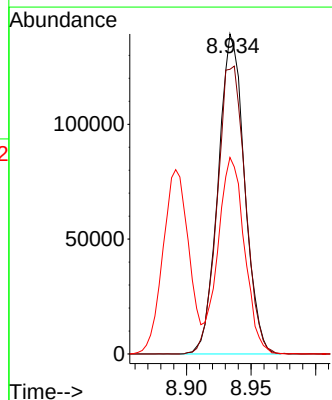
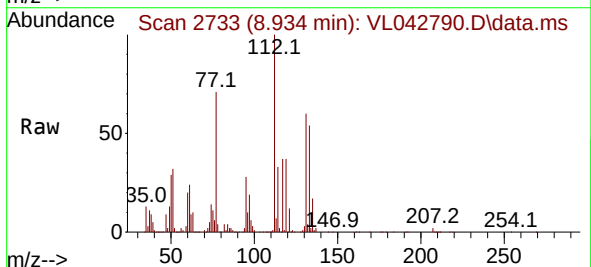
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

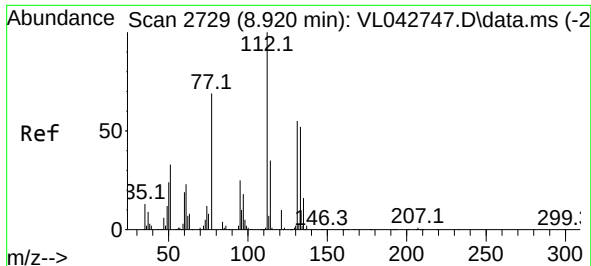
Tgt Ion:117 Resp: 349880
Ion Ratio Lower Upper
117 100
82 68.2 53.3 79.9
119 32.9 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 10.906 ppbv
RT: 8.934 min Scan# 2733
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:131 Resp: 198394
Ion Ratio Lower Upper
131 100
133 95.3 76.8 115.2
119 62.0 49.7 74.5





#57

Chlorobenzene

Concen: 10.386 ppbv

RT: 8.930 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_1

ClientSampleId :

VL0731ABS01

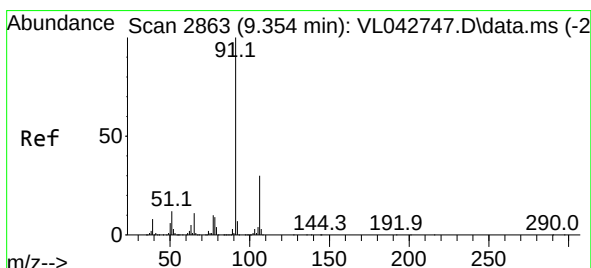
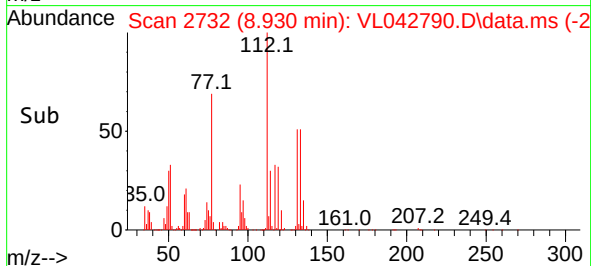
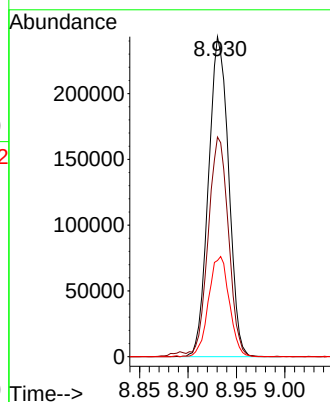
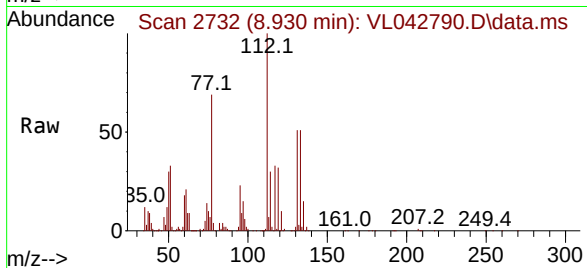
Tgt Ion:112 Resp: 351678

Ion Ratio Lower Upper

112 100

77 68.6 56.4 84.6

114 30.0 31.2 38.2#



#58

Ethyl Benzene

Concen: 11.121 ppbv

RT: 9.364 min Scan# 2866

Delta R.T. 0.010 min

Lab File: VL042790.D

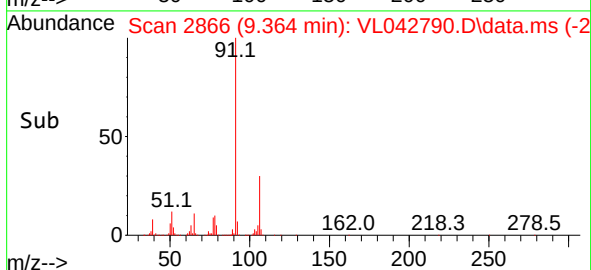
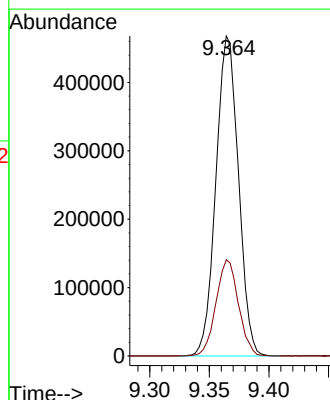
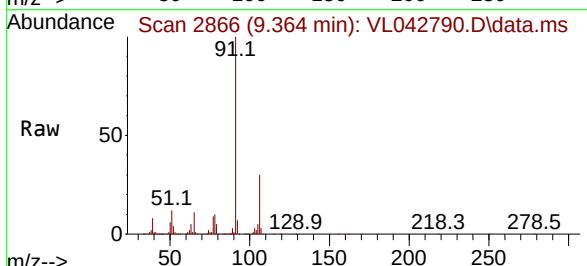
Acq: 31 Jul 2025 10:15

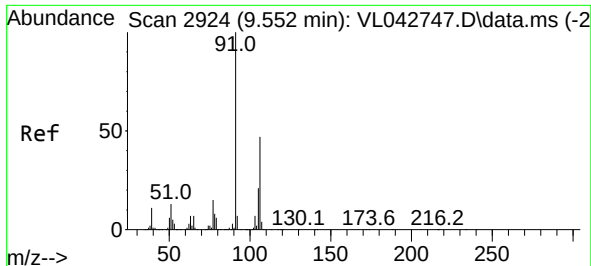
Tgt Ion: 91 Resp: 614495

Ion Ratio Lower Upper

91 100

106 30.1 23.8 35.6





#59

m/p-Xylene

Concen: 10.516 ppbv

RT: 9.562 min Scan# 2924

Delta R.T. 0.010 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_1

ClientSampleId :

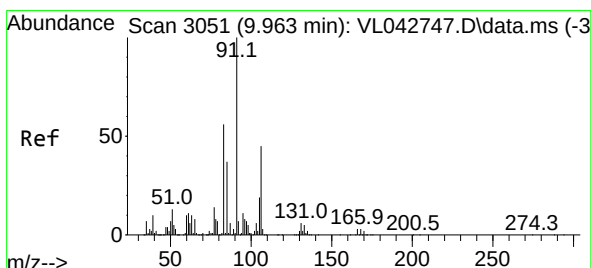
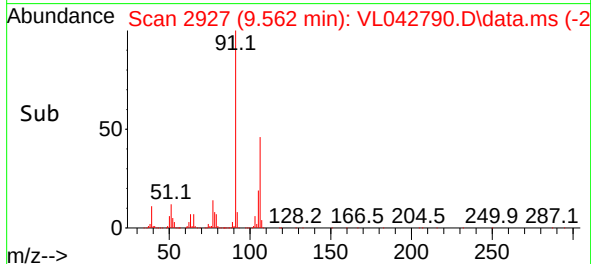
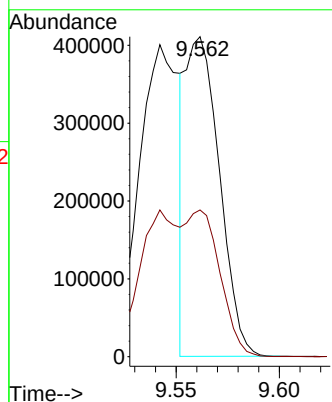
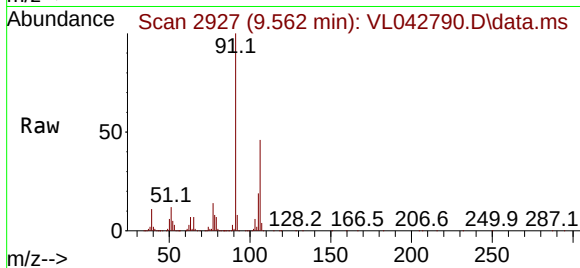
VL0731ABS01

Tgt Ion: 91 Resp: 464380

Ion Ratio Lower Upper

91 100

106 0.0 37.4 56.2#



#60

o-Xylene

Concen: 11.188 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. 0.013 min

Lab File: VL042790.D

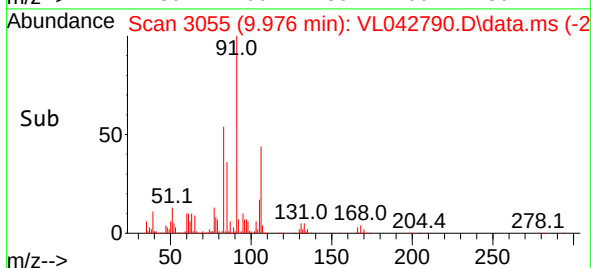
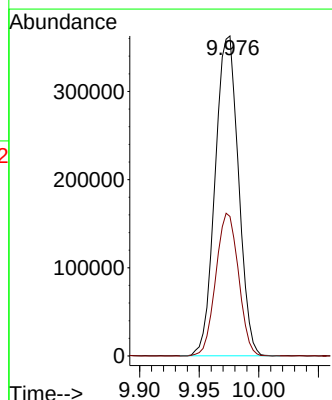
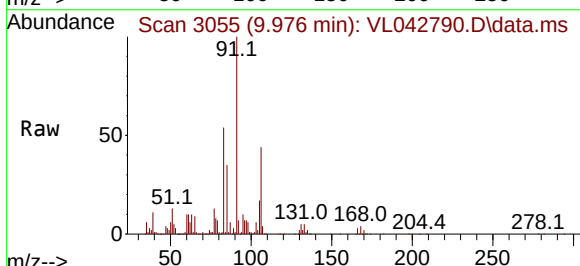
Acq: 31 Jul 2025 10:15

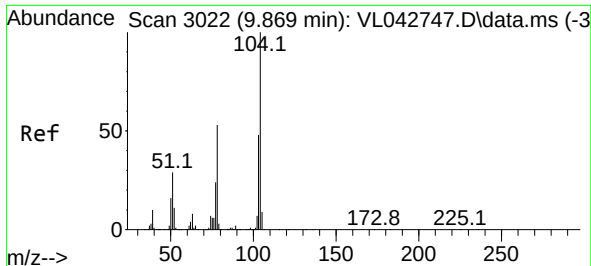
Tgt Ion: 91 Resp: 493686

Ion Ratio Lower Upper

91 100

106 43.5 22.0 66.0

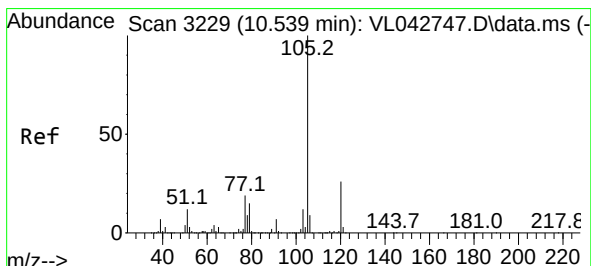
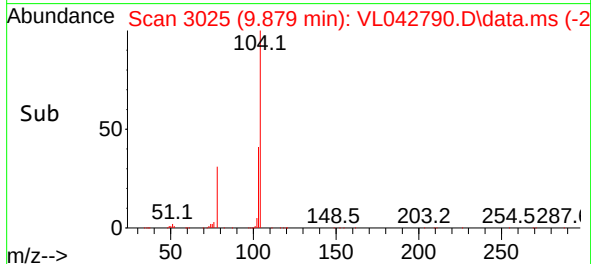
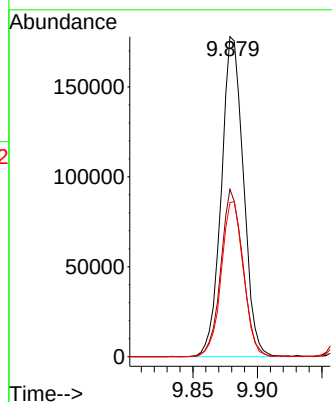
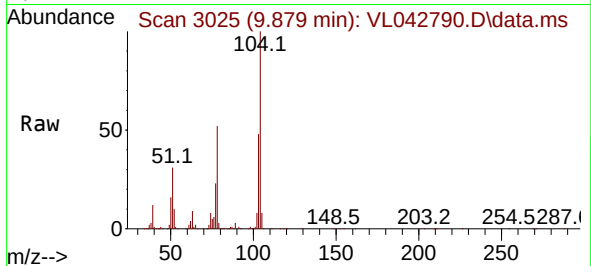




#61
Styrene
Concen: 11.406 ppbv
RT: 9.879 min Scan# 3022
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

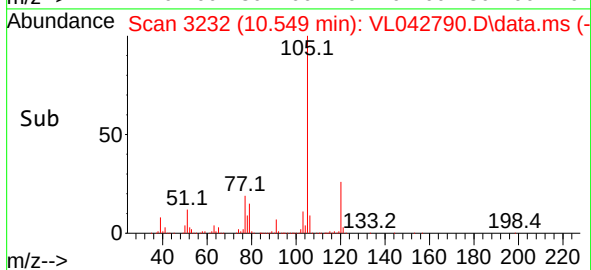
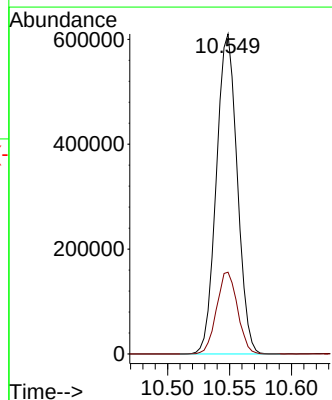
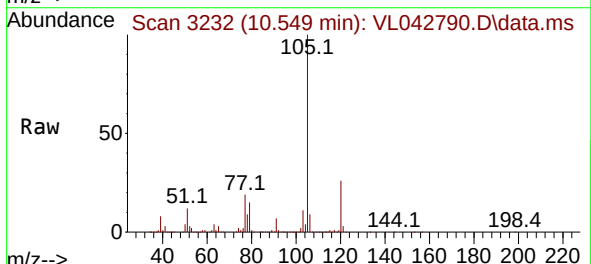
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

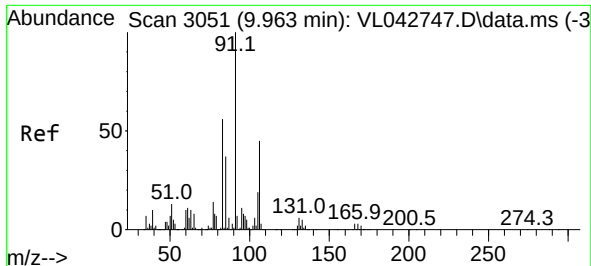
Tgt Ion:104 Resp: 211712
Ion Ratio Lower Upper
104 100
78 51.9 41.5 62.3
103 48.8 37.5 56.3



#62
Isopropylbenzene
Concen: 11.007 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion:105 Resp: 716413
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7

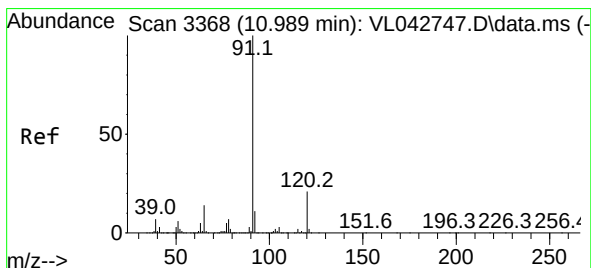
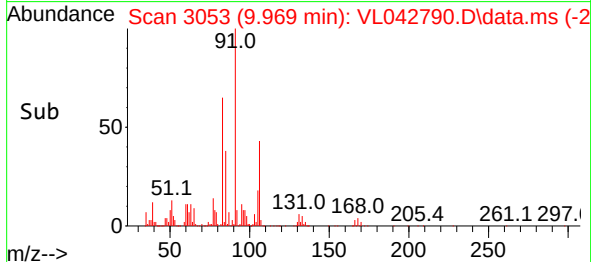
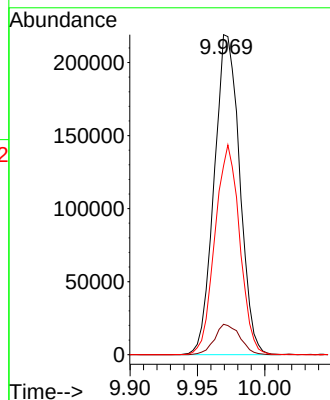
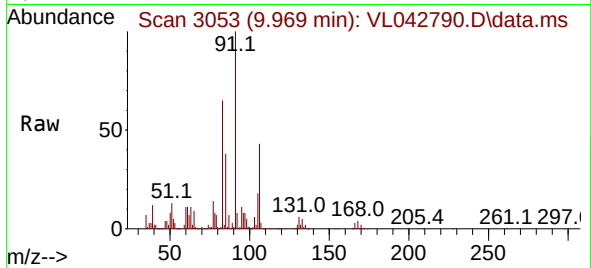




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.176 ppbv
 RT: 9.969 min Scan# 3051
 Delta R.T. 0.007 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

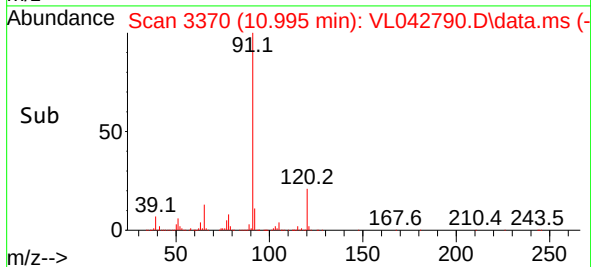
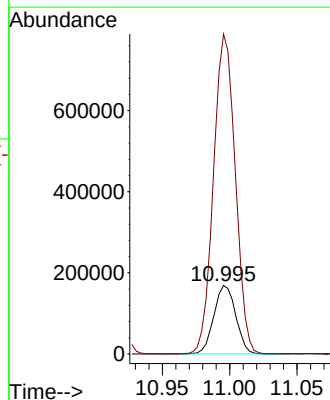
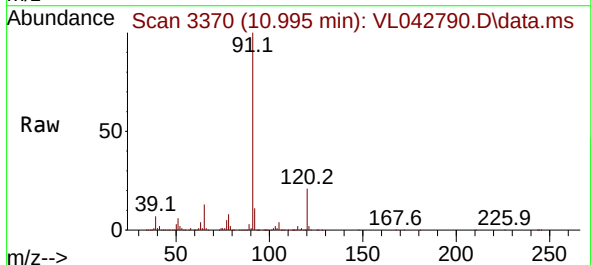
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0731ABS01

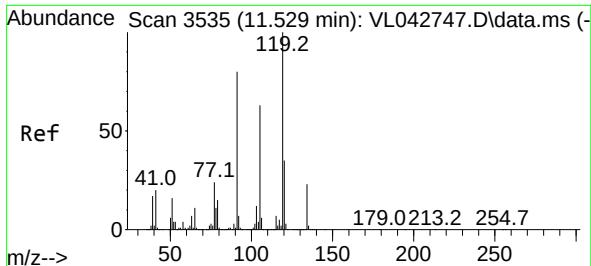
Tgt Ion: 83 Resp: 288264
 Ion Ratio Lower Upper
 83 100
 131 9.5 5.0 15.0
 85 63.7 32.6 97.7



#64
 n-propylbenzene
 Concen: 11.237 ppbv
 RT: 10.995 min Scan# 3370
 Delta R.T. 0.007 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

Tgt Ion: 120 Resp: 190663
 Ion Ratio Lower Upper
 120 100
 91 466.1 372.7 559.1

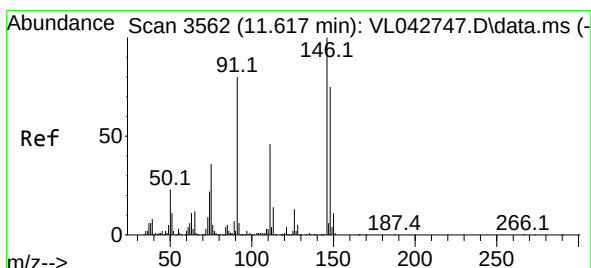
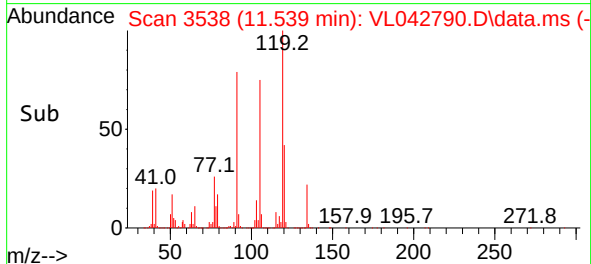
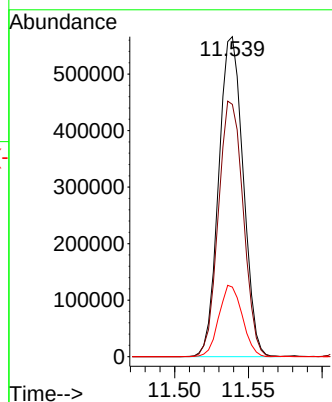
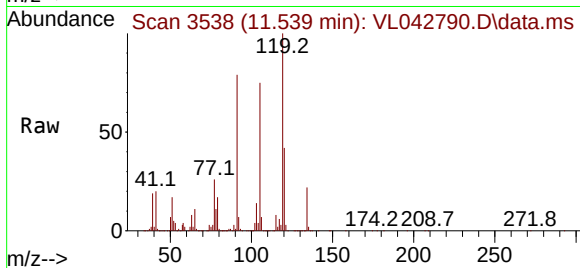




#65
 tert-Butylbenzene
 Concen: 11.322 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. 0.010 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

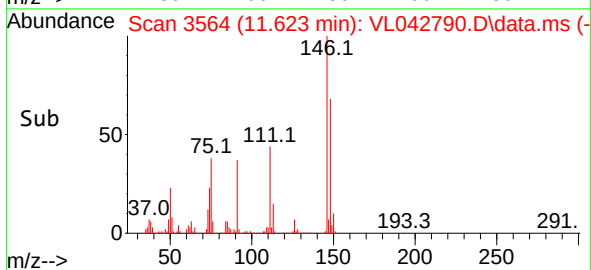
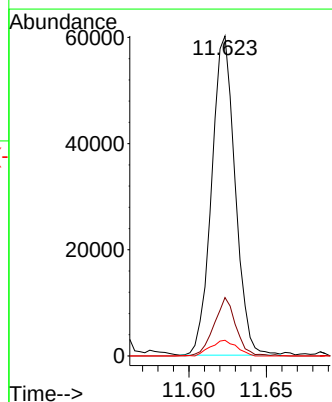
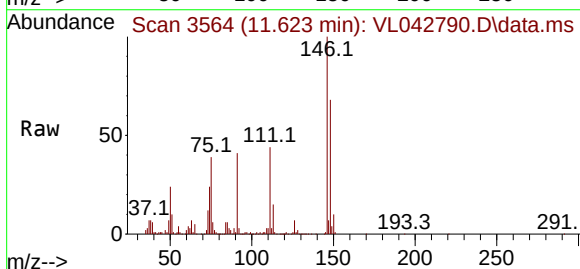
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0731ABS01

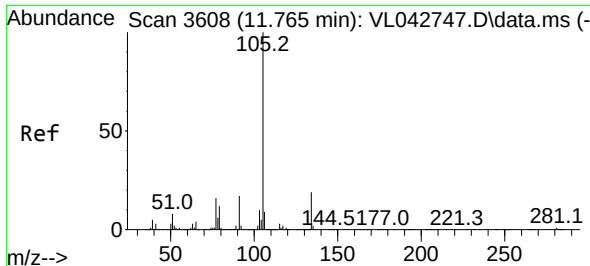
Tgt Ion:119 Resp: 654563
 Ion Ratio Lower Upper
 119 100
 91 81.1 64.0 96.0
 134 21.3 17.3 25.9



#66
 Benzyl Chloride
 Concen: 13.365 ppbv
 RT: 11.623 min Scan# 3564
 Delta R.T. 0.007 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

Tgt Ion: 91 Resp: 63429
 Ion Ratio Lower Upper
 91 100
 126 17.1 14.4 21.6
 128 5.5 5.2 7.8

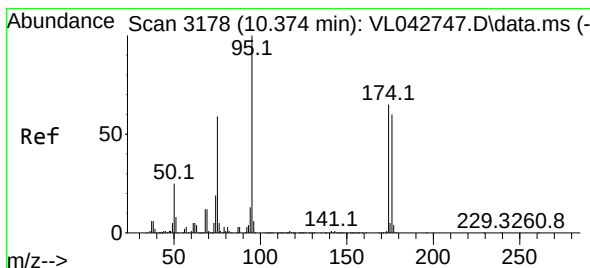
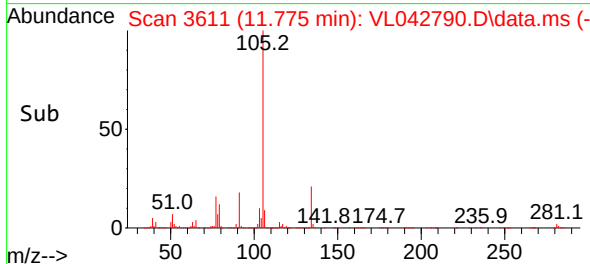
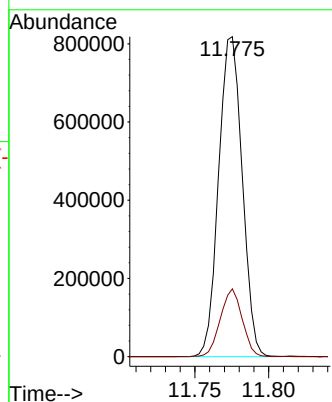
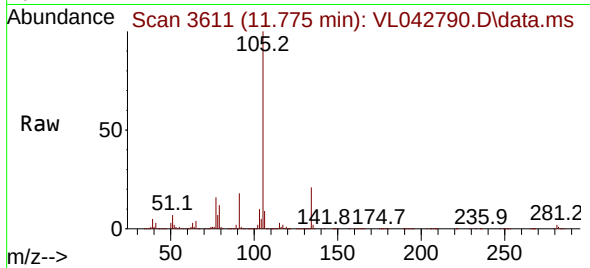




#67
 sec-Butylbenzene
 Concen: 11.065 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.010 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

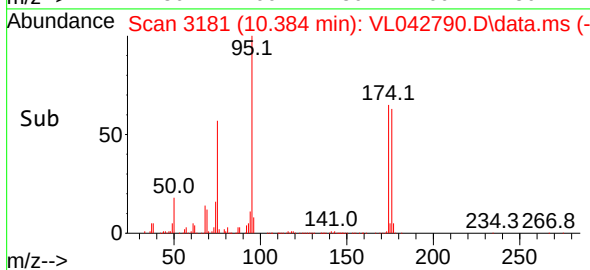
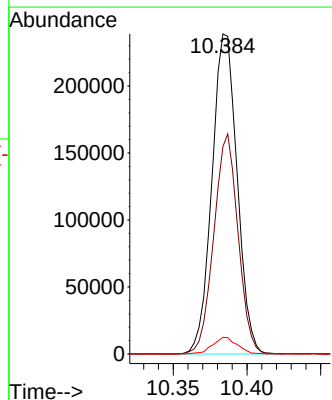
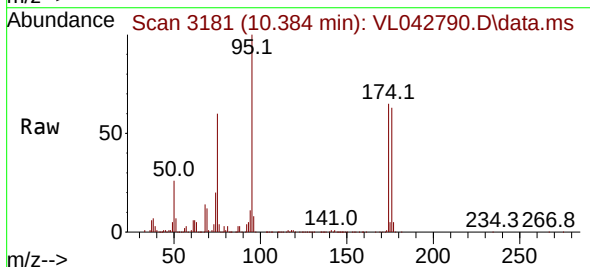
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0731ABS01

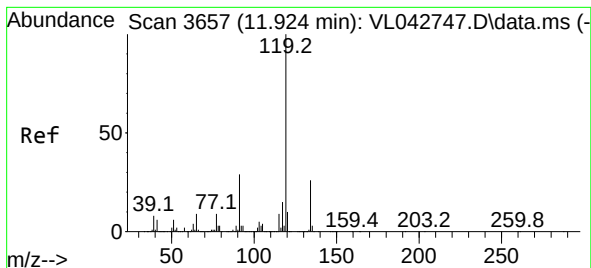
Tgt Ion:105 Resp: 909814
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.254 ppbv
 RT: 10.384 min Scan# 3181
 Delta R.T. 0.010 min
 Lab File: VL042790.D
 Acq: 31 Jul 2025 10:15

Tgt Ion: 95 Resp: 284130
 Ion Ratio Lower Upper
 95 100
 174 66.0 53.8 80.6
 175 5.1 4.0 6.0





#69

p-Isopropyltoluene

Concen: 11.553 ppbv

RT: 11.931 min Scan# 3659

Delta R.T. 0.007 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_1

ClientSampleId :

VL0731ABS01

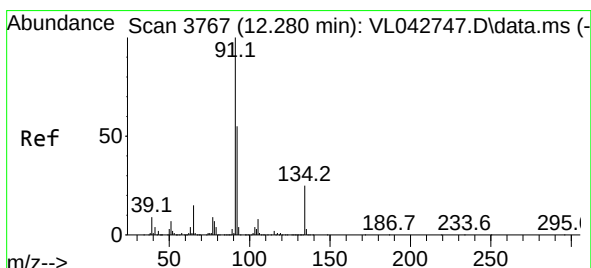
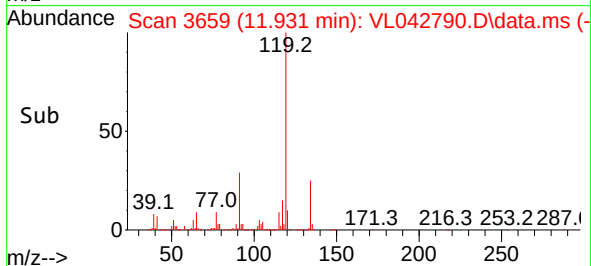
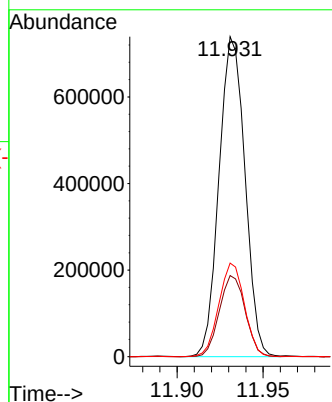
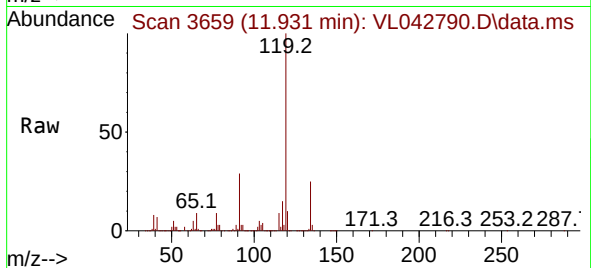
Tgt Ion:119 Resp: 774561

Ion Ratio Lower Upper

119 100

134 25.3 20.6 31.0

91 29.0 23.2 34.8



#70

n-Butylbenzene

Concen: 12.130 ppbv

RT: 12.287 min Scan# 3769

Delta R.T. 0.007 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

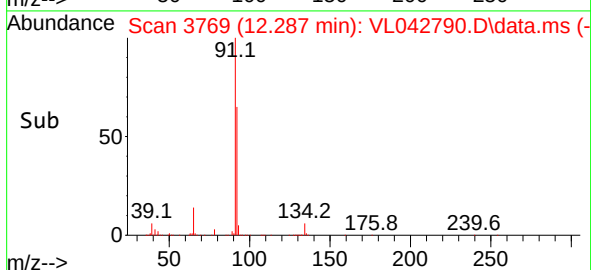
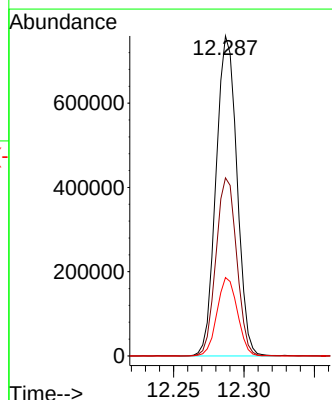
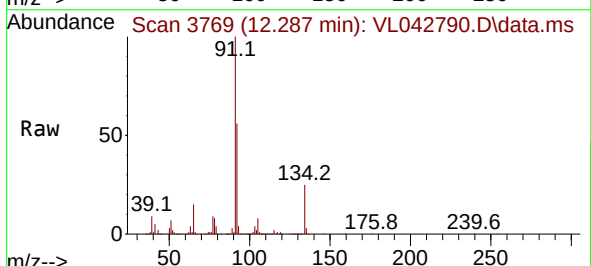
Tgt Ion: 91 Resp: 785569

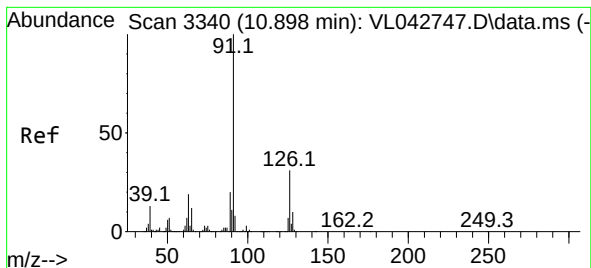
Ion Ratio Lower Upper

91 100

92 55.2 43.4 65.2

134 23.9 19.6 29.4

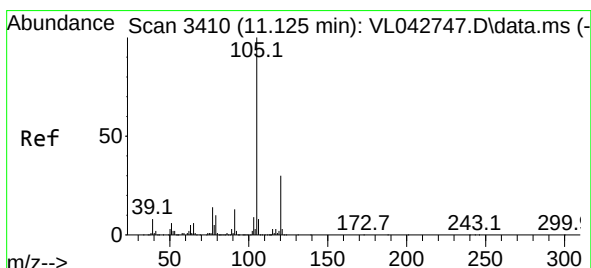
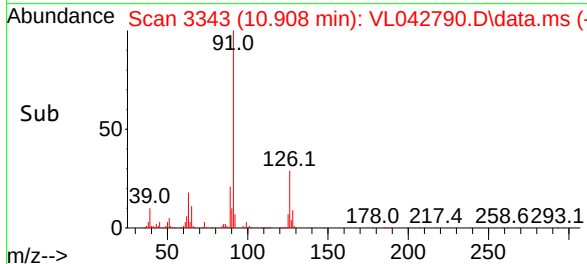
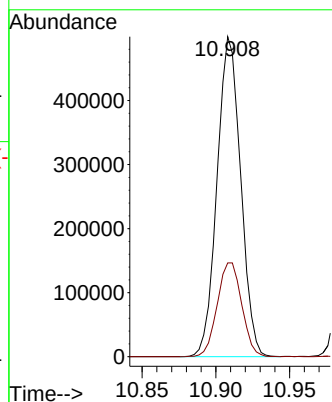
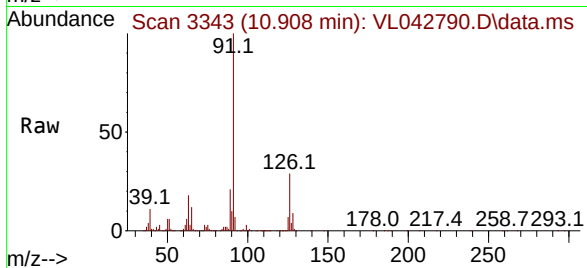




#71
2-Chlorotoluene
Concen: 11.153 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

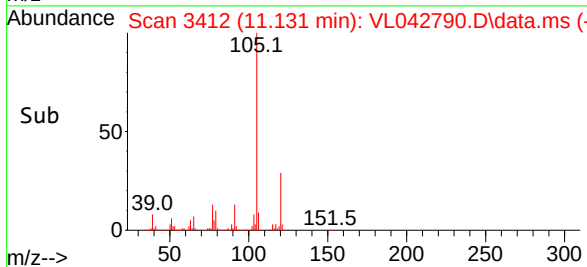
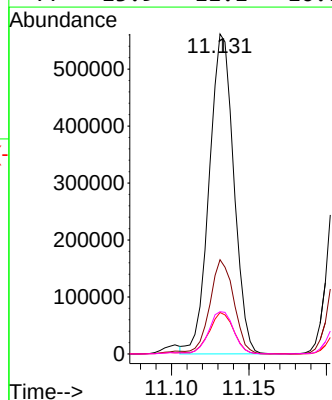
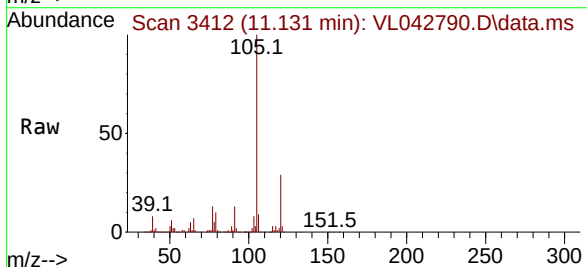
Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

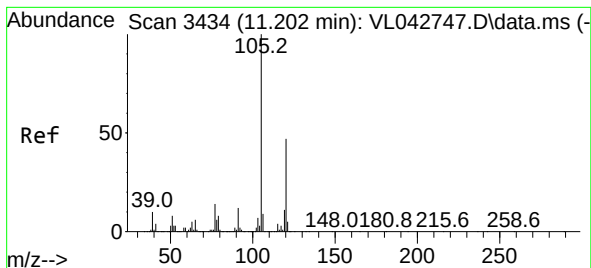
Tgt Ion: 91 Resp: 556610
Ion Ratio Lower Upper
91 100
126 30.4 12.0 48.2



#72
4-Ethyltoluene
Concen: 11.729 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.007 min
Lab File: VL042790.D
Acq: 31 Jul 2025 10:15

Tgt Ion: 105 Resp: 618091
Ion Ratio Lower Upper
105 100
120 29.5 24.4 36.6
91 13.3 10.6 15.8
77 13.9 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 11.871 ppbv

RT: 11.212 min Scan# 3434

Delta R.T. 0.010 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

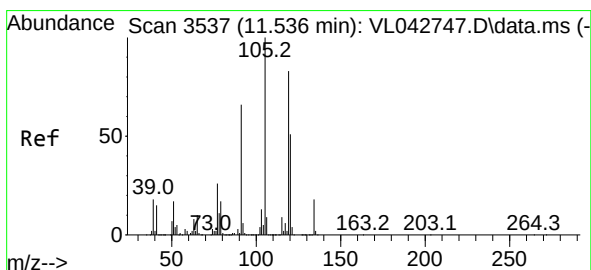
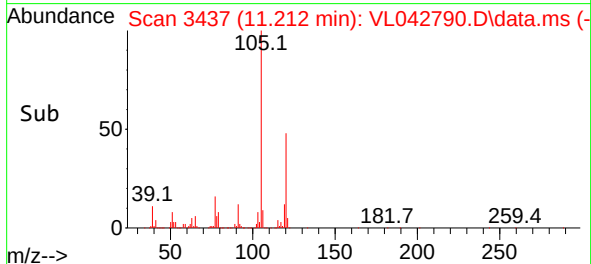
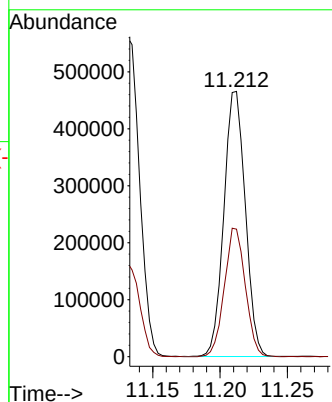
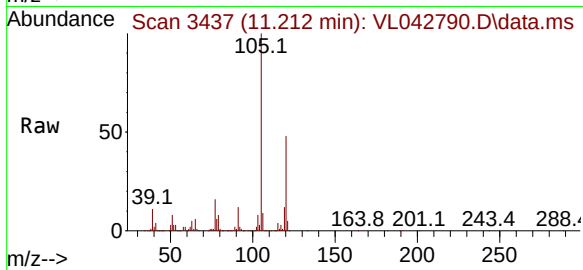
VL0731ABS01

Tgt Ion:105 Resp: 515043

Ion Ratio Lower Upper

105 100

120 48.1 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 12.057 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.007 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Tgt Ion:105 Resp: 570715

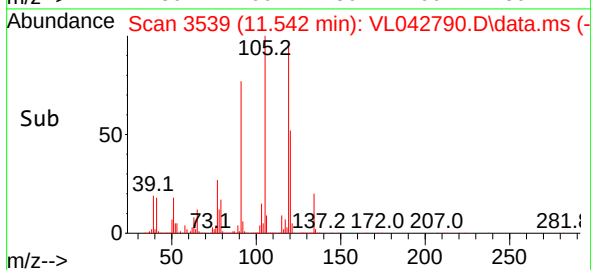
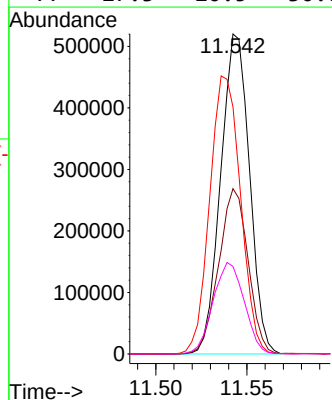
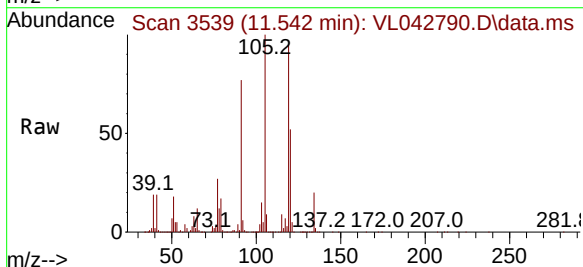
Ion Ratio Lower Upper

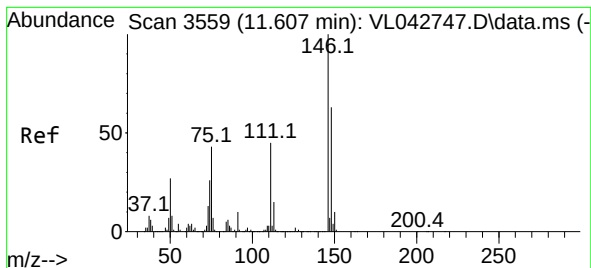
105 100

120 51.6 40.8 61.2

91 77.0 53.0 79.4

77 27.3 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 10.852 ppbv

RT: 11.614 min Scan# 3559

Delta R.T. 0.007 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_1

ClientSampleId :

VL0731ABS01

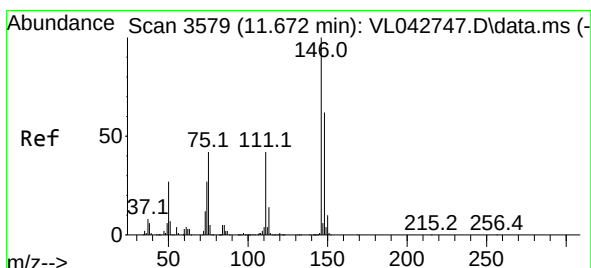
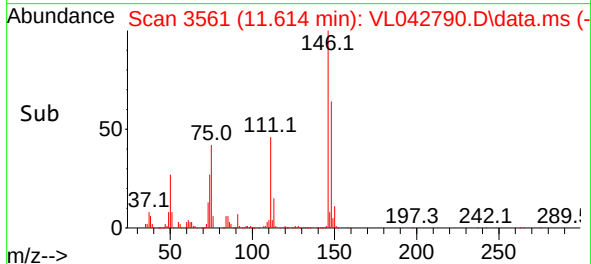
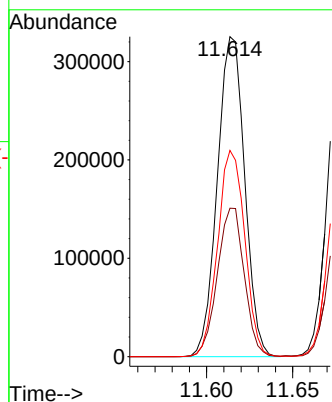
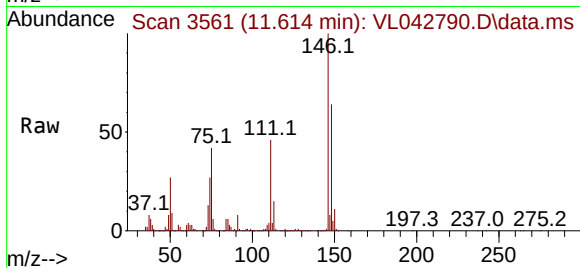
Tgt Ion:146 Resp: 360095

Ion Ratio Lower Upper

146 100

111 45.7 22.7 68.0

148 64.0 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 11.273 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.007 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

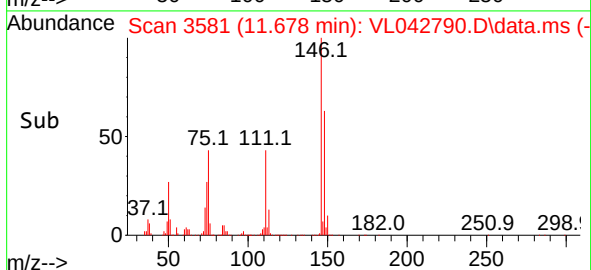
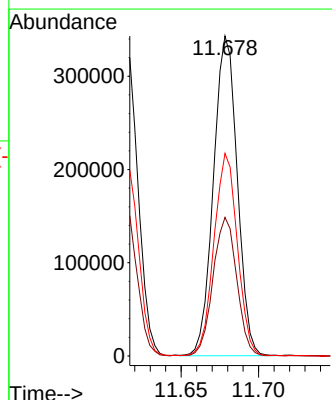
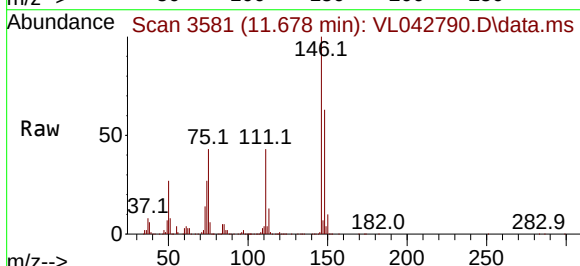
Tgt Ion:146 Resp: 366048

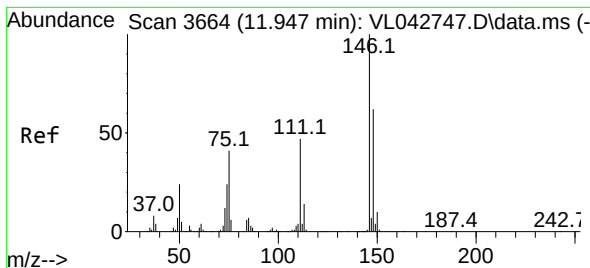
Ion Ratio Lower Upper

146 100

111 43.3 21.4 64.2

148 62.6 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 10.770 ppbv

RT: 11.953 min Scan# 3

Delta R.T. 0.007 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_1

ClientSampleId :

VL0731ABS01

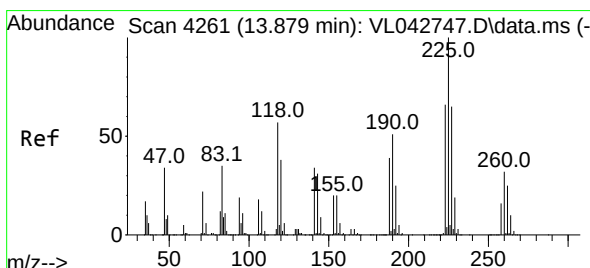
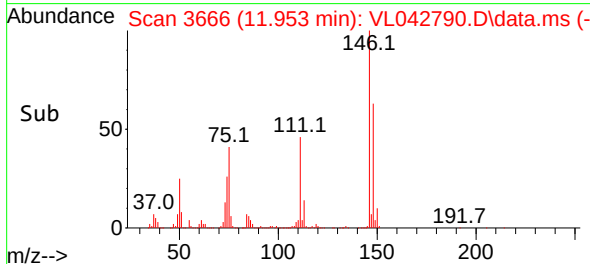
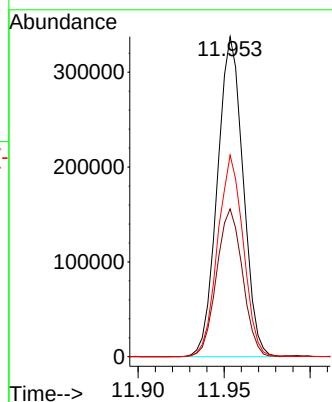
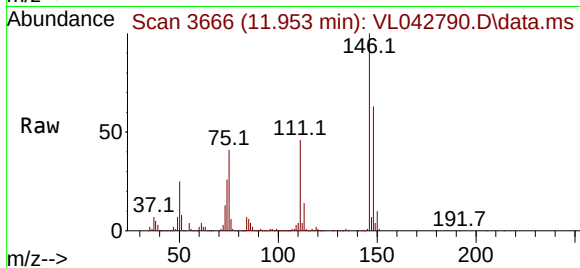
Tgt Ion:146 Resp: 351242

Ion Ratio Lower Upper

146 100

111 46.8 23.7 71.1

148 62.8 32.6 97.7



#78

Hexachloro-1,3-Butadiene

Concen: 9.538 ppbv

RT: 13.886 min Scan# 4263

Delta R.T. 0.007 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

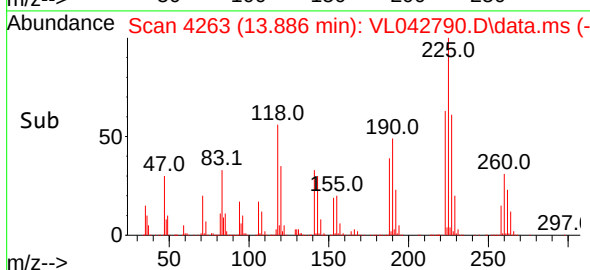
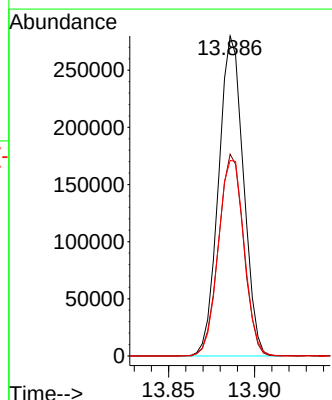
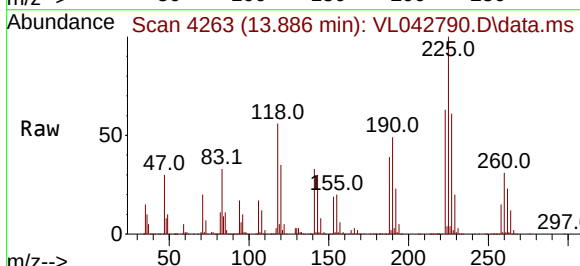
Tgt Ion:225 Resp: 281564

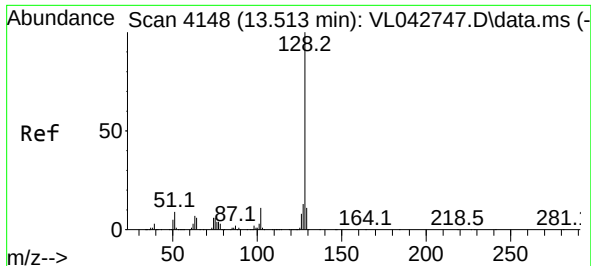
Ion Ratio Lower Upper

225 100

223 63.5 50.7 76.1

227 63.9 50.5 75.7





#79

Naphthalene

Concen: 10.494 ppbv

RT: 13.520 min Scan# 4148

Delta R.T. 0.007 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

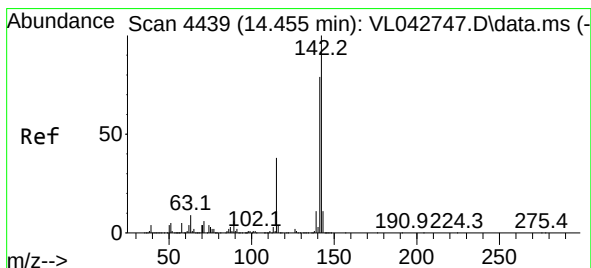
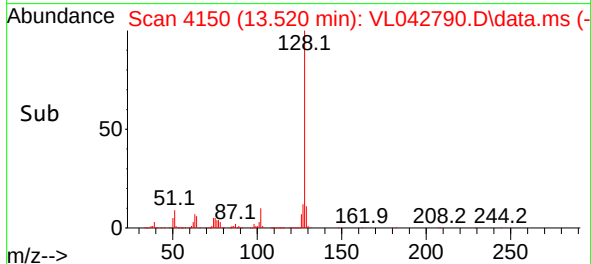
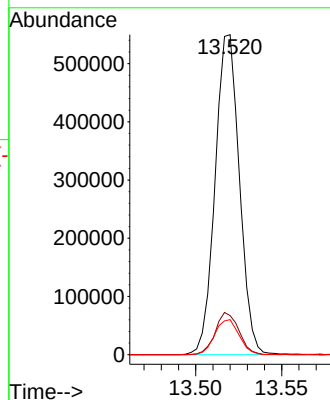
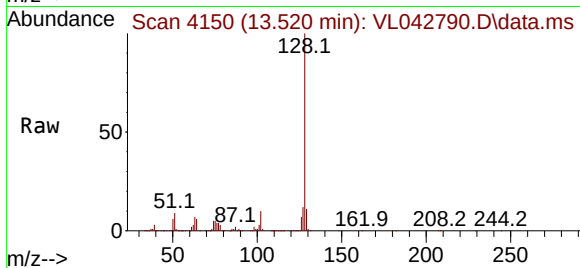
Tgt Ion:128 Resp: 540121

Ion Ratio Lower Upper

128 100

127 12.2 10.5 15.7

129 10.9 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 8.786 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.007 min

Lab File: VL042790.D

Acq: 31 Jul 2025 10:15

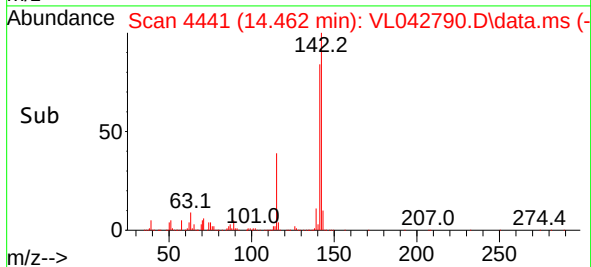
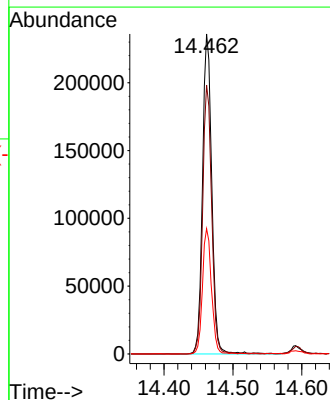
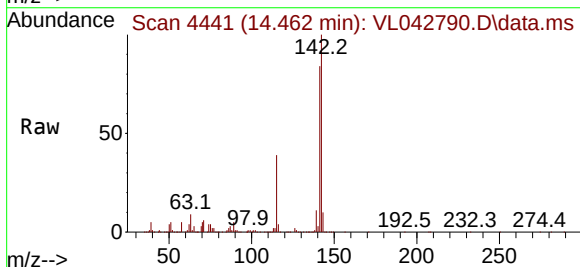
Tgt Ion:142 Resp: 221690

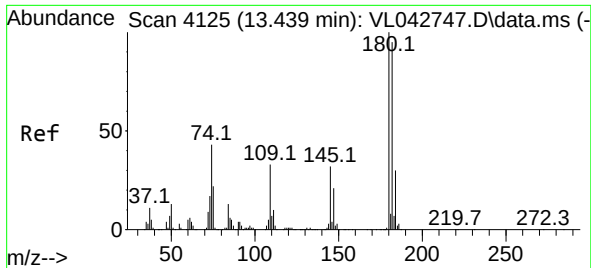
Ion Ratio Lower Upper

142 100

141 82.4 65.8 98.8

115 38.3 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 10.565 ppbv

RT: 13.446 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042790.D

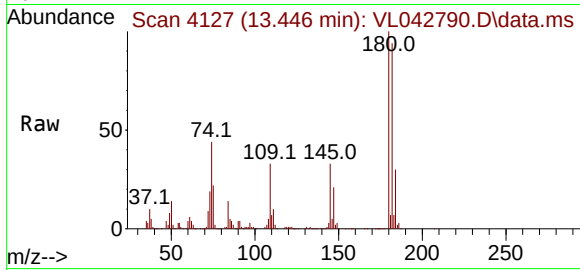
Acq: 31 Jul 2025 10:15

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01



Tgt Ion:180 Resp: 305698

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

184 30.5 24.8 37.2

