

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041877.D
 Acq On : 09 Jan 2025 21:16
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 10 01:49:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	127347	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	371788	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	336513	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	271852	10.075	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.557	85	9574	0.458	ppbv	98
3) Chlorodifluoromethane	1.479	51	10744	0.468	ppbv #	92
4) Chloromethane	1.534	50	4409	0.543	ppbv	98
5) Vinyl Chloride	1.583	62	4405	0.510	ppbv	97
6) Bromomethane	1.670	94	1998	0.491	ppbv	84
7) Chloroethane	1.709	64	1911	0.570	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	9574	0.527	ppbv	89
9) Propene	1.486	41	5690	0.531	ppbv	94
10) Heptane	5.004	43	5834	0.206	ppbv #	22
11) Trichlorofluoromethane	1.884	101	11291	0.525	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.149	101	9194	0.529	ppbv	91
13) Ethanol	1.725	45	1950	2.865	ppbv #	29
14) Bromoethene	1.787	108	3067	0.493	ppbv #	87
15) Acetone	1.842	43	12885	0.600	ppbv	97
16) 1,3-Butadiene	1.612	39	4758	0.516	ppbv	93
17) tert-Butyl alcohol	2.049	59	12089	0.496	ppbv #	89
18) 1,1-Dichloroethene	2.350	96	4066	0.517	ppbv	97
19) Isopropyl Alcohol	1.894	45	6668	0.591	ppbv #	36
20) Methylene Chloride	2.068	84	4975	0.679	ppbv	90
21) Allyl Chloride	2.104	41	6358	0.463	ppbv #	84
22) trans-1,2-Dichloroethene	2.732	96	6730	0.739	ppbv	81
23) Vinyl Acetate	2.470	43	5611	0.516	ppbv #	90
24) 1,1-Dichloroethane	2.418	63	9175	0.532	ppbv	100
25) Ethyl Acetate	2.848	43	24334	0.456	ppbv	97
26) Hexane	2.835	57	10167	0.463	ppbv	95
27) Carbon Disulfide	2.156	76	8696	0.414	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	6776	0.404	ppbv #	83
29) Chloroform	2.858	83	15631	0.509	ppbv #	82
30) Cyclohexane	3.871	84	8647	0.459	ppbv	94
31) cis-1,2-Dichloroethene	2.732	61	10336	0.482	ppbv	93
32) 1,1,1-Trichloroethane	3.382	97	13358	0.438	ppbv	96
34) 2-Butanone	2.570	43	14574	0.472	ppbv	96
35) Carbon Tetrachloride	3.777	117	12744	0.441	ppbv #	95
36) Benzene	3.670	78	20257	0.470	ppbv #	83
37) 1,2-Dichloroethane	3.227	62	11849	0.524	ppbv	98
38) Trichloroethene	4.564	130	5945	0.349	ppbv	91
39) 1,2-Dichloropropane	4.337	63	3384	0.221	ppbv	96
40) 1,4-Dioxane	4.622	88	1990	0.258	ppbv #	17
41) Tetrahydrofuran	3.078	42	8466	0.466	ppbv	99
42) Bromodichloromethane	4.509	83	5957	0.192	ppbv #	97
43) Methyl Methacrylate	4.904	69	4899	0.277	ppbv #	1
44) 2,2,4-Trimethylpentane	4.658	57	34042	0.467	ppbv	97
45) t-1,3-Dichloropropene	6.438	75	3289	0.182	ppbv #	80

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 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

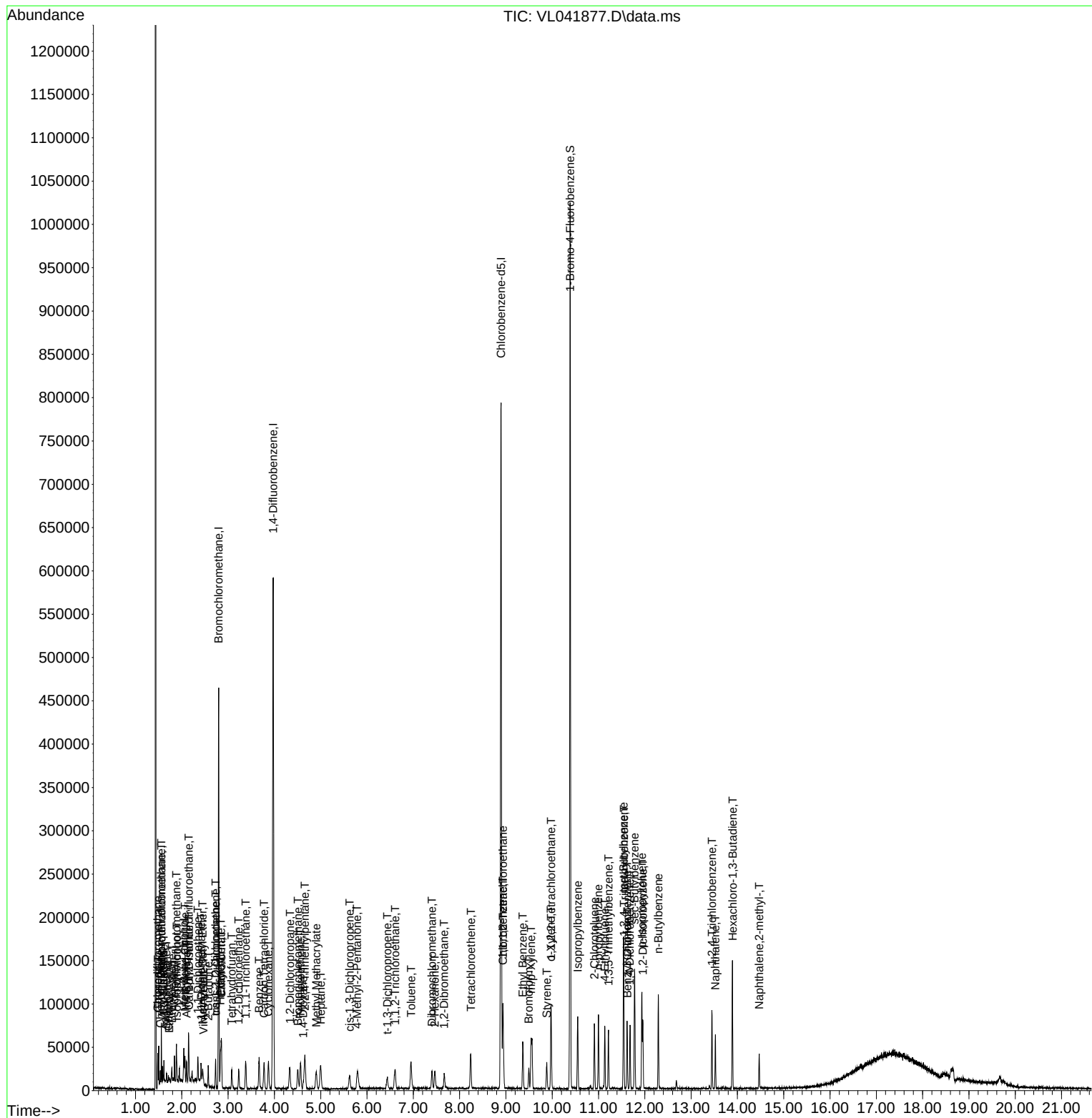
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.625	75	5844	0.252	ppbv	92
47) 1,1,2-Trichloroethane	6.609	97	6353	0.394	ppbv #	87
48) Dibromochloromethane	7.402	129	9624	0.393	ppbv	96
49) Bromoform	9.493	173	7655	0.358	ppbv	99
50) 4-Methyl-2-Pentanone	5.784	43	6518	0.148	ppbv #	38
51) 2-Hexanone	7.461	43	7065	0.195	ppbv #	28
52) Tetrachloroethene	8.244	164	3505	0.212	ppbv	90
53) Toluene	6.952	91	13505	0.263	ppbv #	21
54) 1,2-Dibromoethane	7.664	107	10438	0.475	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.936	131	9676	0.482	ppbv #	1
57) Chlorobenzene	8.933	112	18725	0.499	ppbv	88
58) Ethyl Benzene	9.364	91	29925	0.433	ppbv	99
59) m/p-Xylene	9.545	91	27871	0.510	ppbv #	100
60) o-Xylene	9.972	91	24391	0.447	ppbv	98
61) Styrene	9.882	104	11338	0.416	ppbv	96
62) Isopropylbenzene	10.552	105	37184	0.453	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.975	83	15075	0.460	ppbv	90
64) n-propylbenzene	10.998	120	9322	0.436	ppbv	96
65) tert-Butylbenzene	11.542	119	34265	0.461	ppbv	96
66) Benzyl Chloride	11.623	91	2375	0.309	ppbv	98
67) sec-Butylbenzene	11.778	105	48652	0.475	ppbv	98
69) p-Isopropyltoluene	11.937	119	39326	0.450	ppbv	99
70) n-Butylbenzene	12.293	91	38289	0.437	ppbv	100
71) 2-Chlorotoluene	10.911	91	27864	0.438	ppbv	98
72) 4-Ethyltoluene	11.134	105	29242	0.437	ppbv	98
73) 1,3,5-Trimethylbenzene	11.215	105	24983	0.440	ppbv	92
74) 1,2,4-Trimethylbenzene	11.548	105	28377	0.460	ppbv #	89
75) 1,3-Dichlorobenzene	11.616	146	18072	0.489	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	17706	0.484	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	18212	0.521	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	14604	0.486	ppbv	97
79) Naphthalene	13.523	128	27332	0.411	ppbv #	94
80) Naphthalene,2-methyl-	14.471	142	12032	0.336	ppbv	100
81) 1,2,4-Trichlorobenzene	13.448	180	14159	0.448	ppbv	98

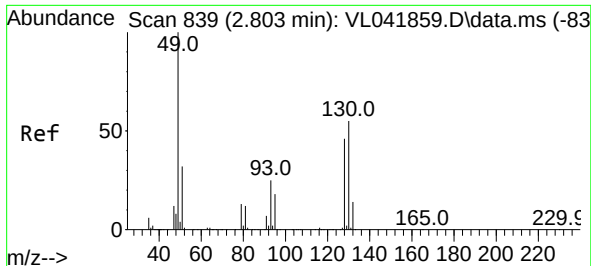
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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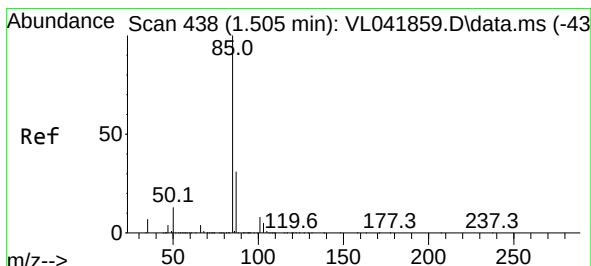
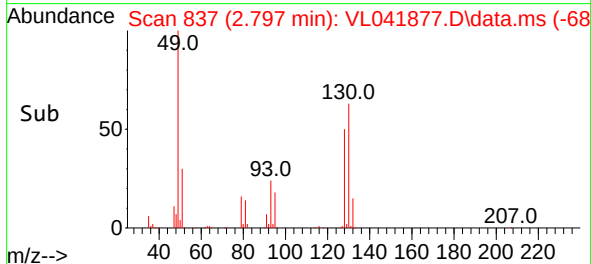
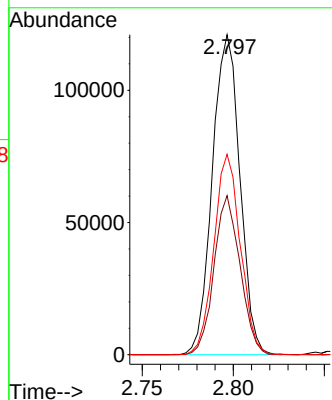
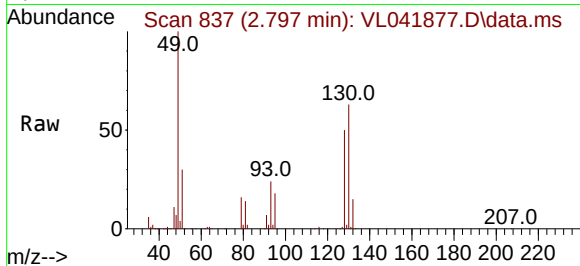




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

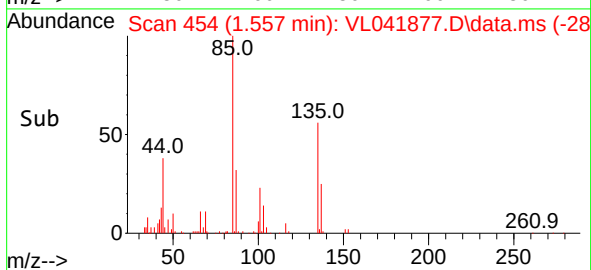
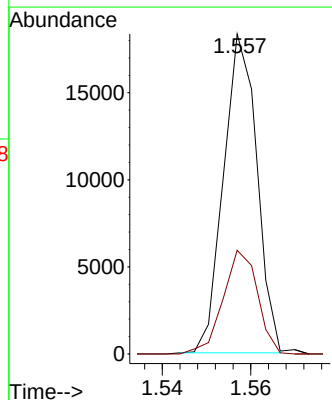
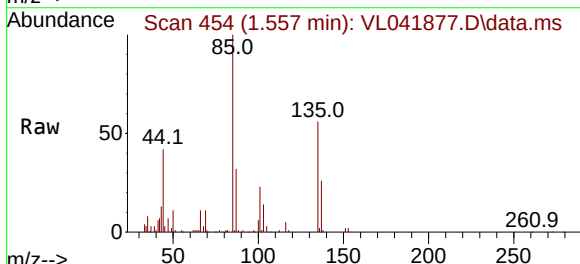
Instrument :
MSVOA_L
ClientSampleId :

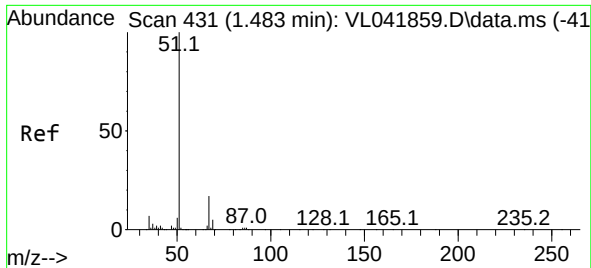
Tgt Ion: 49 Resp: 127347
Ion Ratio Lower Upper
49 100
128 46.9 23.2 69.5
130 60.2 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 0.458 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.052 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 85 Resp: 9574
Ion Ratio Lower Upper
85 100
87 32.5 25.2 37.8

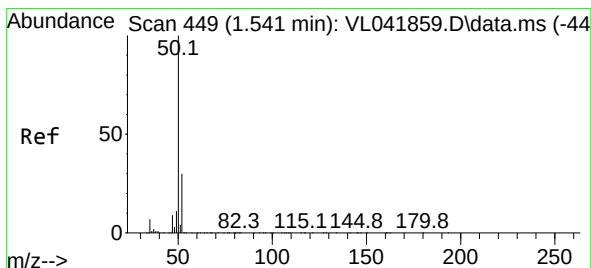
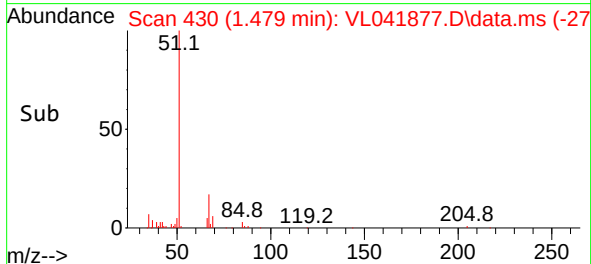
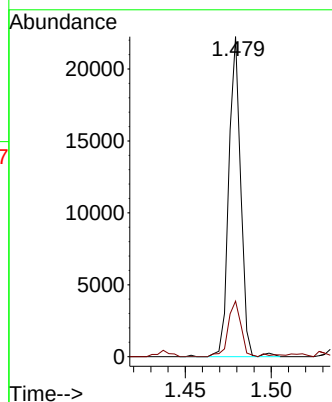
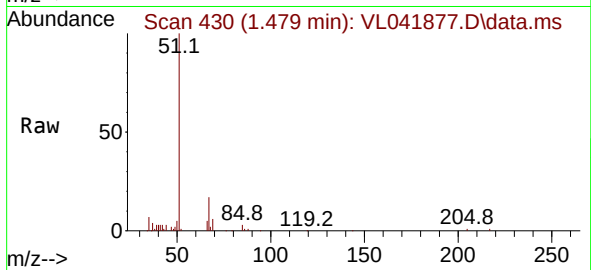




#3
Chlorodifluoromethane
Concen: 0.468 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

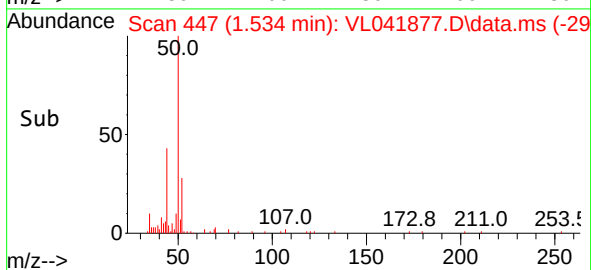
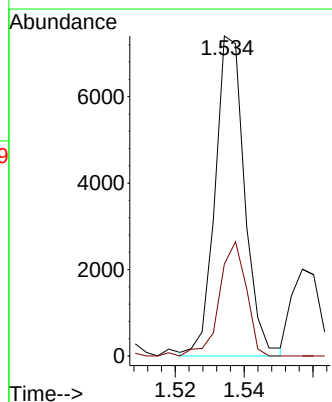
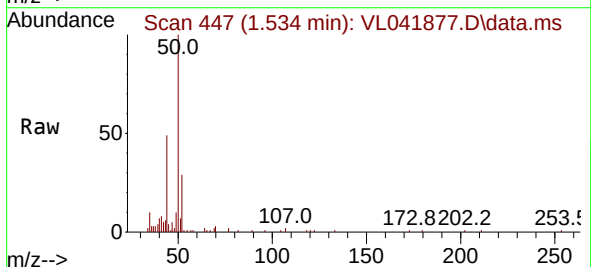
Instrument :
MSVOA_L
ClientSampleId :

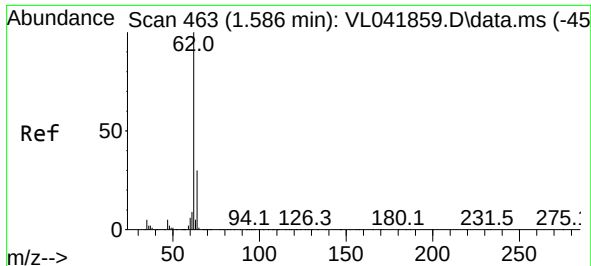
Tgt Ion: 51 Resp: 10744
Ion Ratio Lower Upper
51 100
67 21.0 13.8 20.8#



#4
Chloromethane
Concen: 0.543 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.007 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 50 Resp: 4409
Ion Ratio Lower Upper
50 100
52 29.0 23.9 35.9

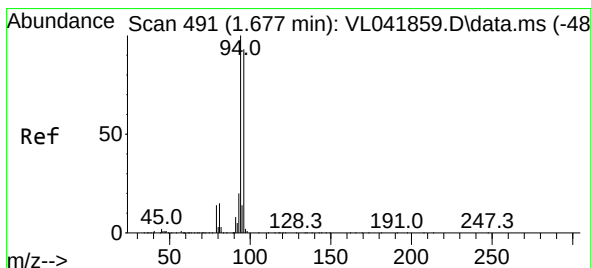
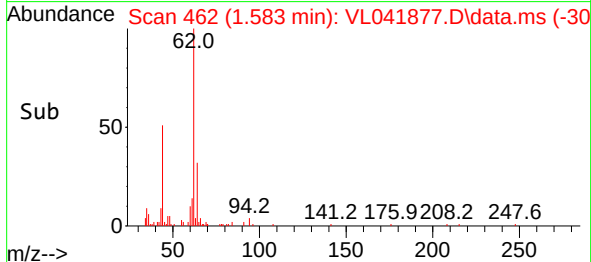
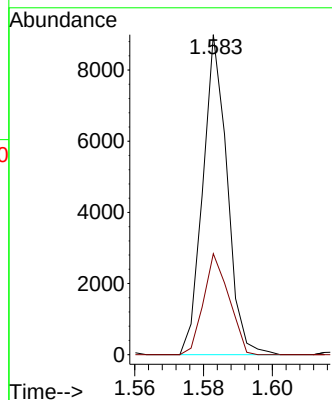
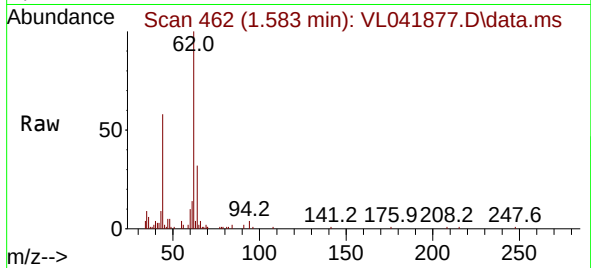




#5
 Vinyl Chloride
 Concen: 0.510 ppbv
 RT: 1.583 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

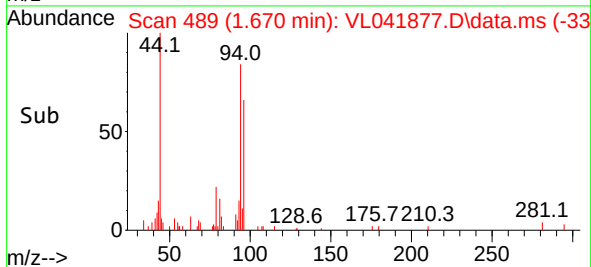
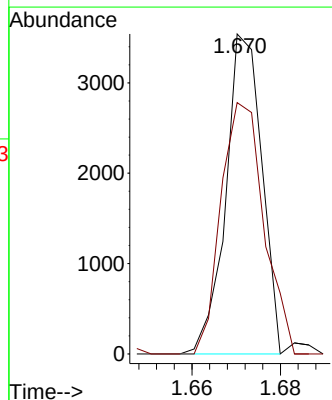
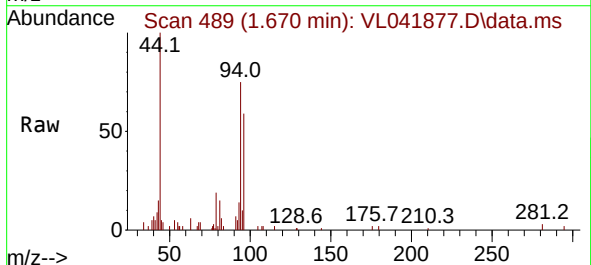
Instrument :
 MSVOA_L
 ClientSampleId :

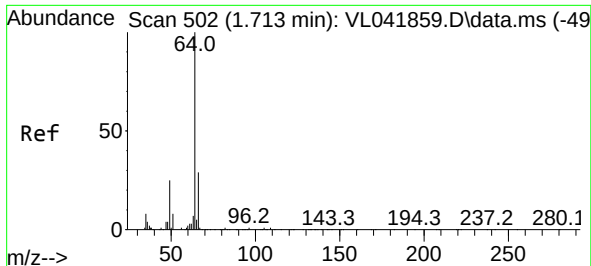
Tgt Ion: 62 Resp: 4405
 Ion Ratio Lower Upper
 62 100
 64 31.6 24.1 36.1



#6
 Bromomethane
 Concen: 0.491 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.007 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

Tgt Ion: 94 Resp: 1998
 Ion Ratio Lower Upper
 94 100
 96 78.5 74.8 112.2

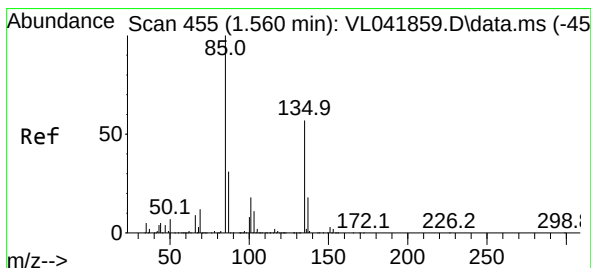
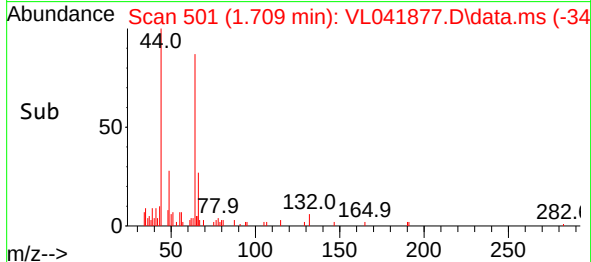
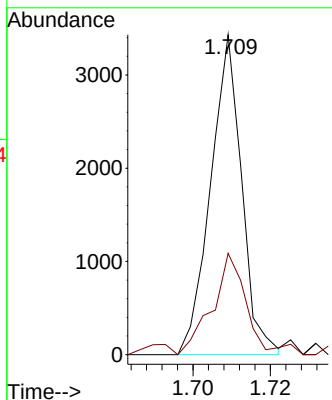
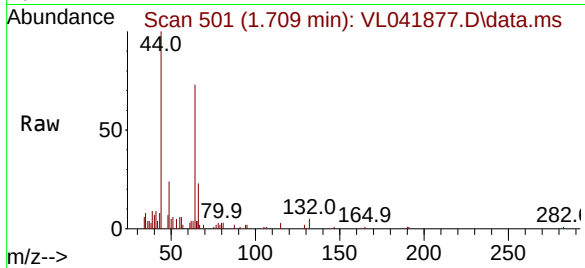




#7
Chloroethane
Concen: 0.570 ppbv
RT: 1.709 min Scan# 50
Delta R.T. -0.003 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

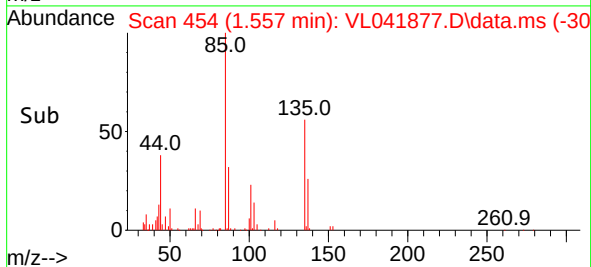
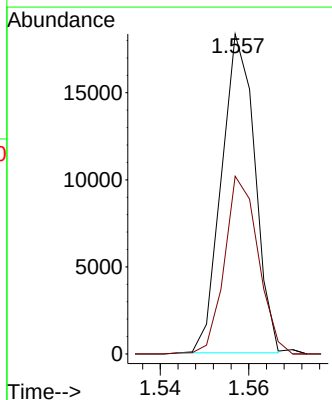
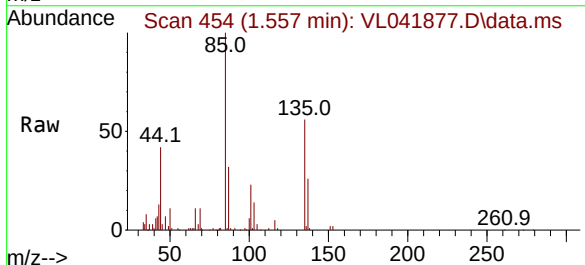
Instrument :
MSVOA_L
ClientSampleId :

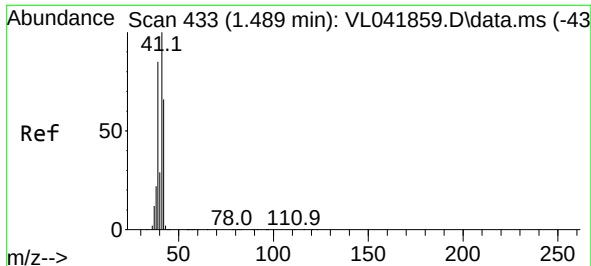
Tgt Ion: 64 Resp: 1911
Ion Ratio Lower Upper
64 100
66 31.6 23.0 34.6



#8
Dichlorotetrafluoroethane
Concen: 0.527 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 85 Resp: 9574
Ion Ratio Lower Upper
85 100
135 56.5 52.2 78.4





#9

Propene

Concen: 0.531 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

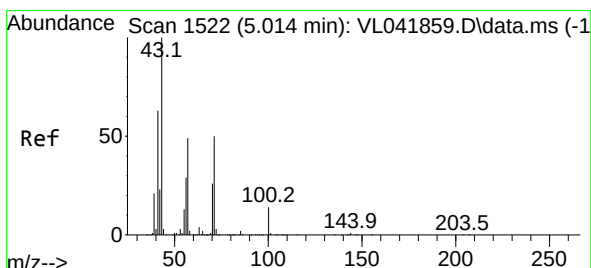
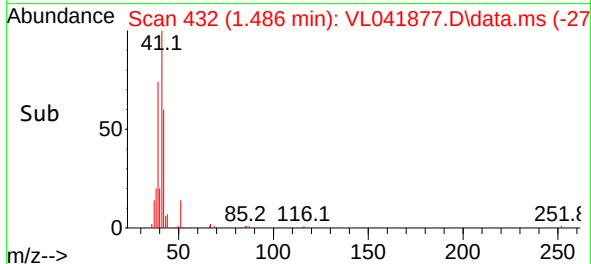
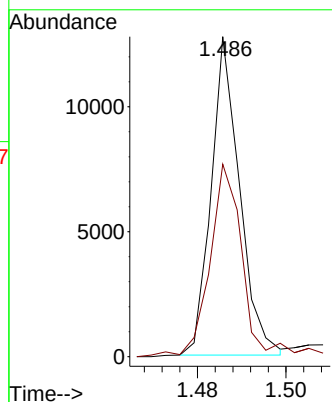
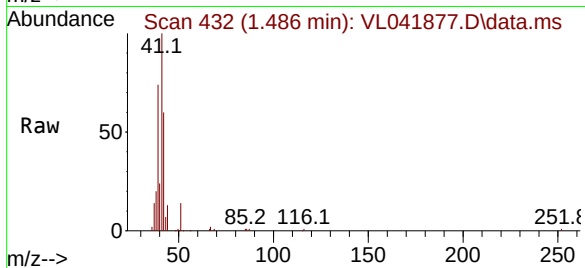
ClientSampleId :

Tgt Ion: 41 Resp: 5690

Ion Ratio Lower Upper

41 100

42 71.5 53.0 79.6



#10

Heptane

Concen: 0.206 ppbv

RT: 5.004 min Scan# 1519

Delta R.T. -0.010 min

Lab File: VL041877.D

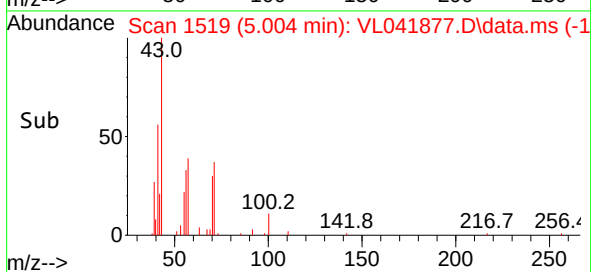
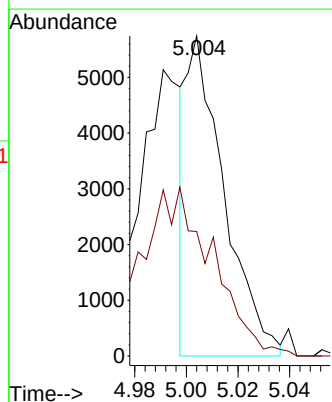
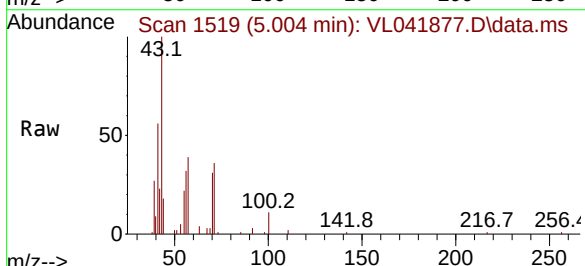
Acq: 09 Jan 2025 21:16

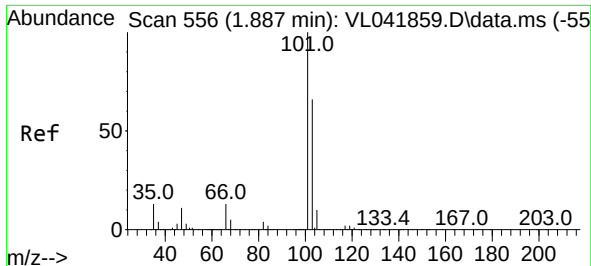
Tgt Ion: 43 Resp: 5834

Ion Ratio Lower Upper

43 100

57 104.0 40.2 60.2#

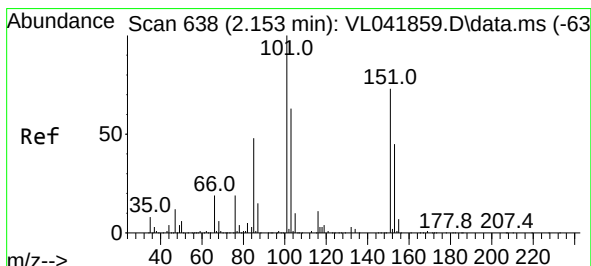
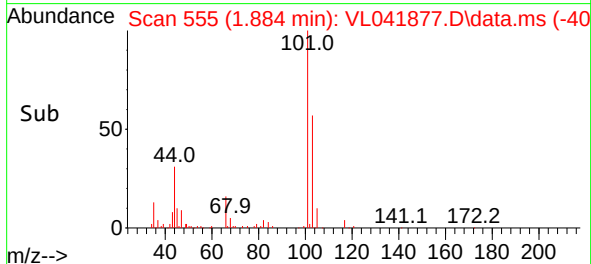
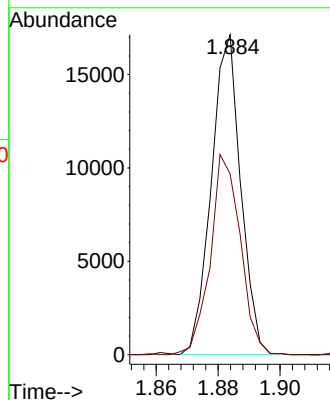
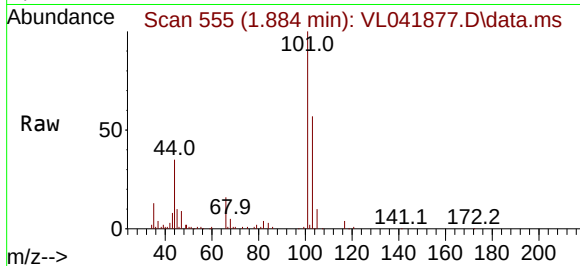




#11
 Trichlorofluoromethane
 Concen: 0.525 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

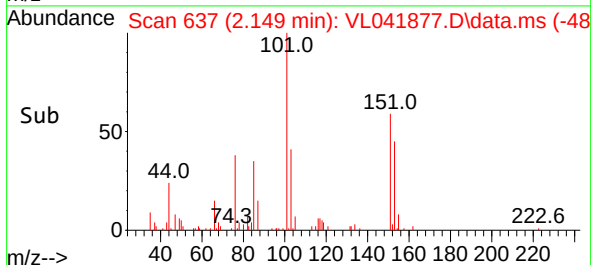
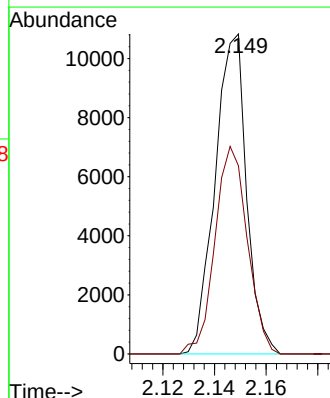
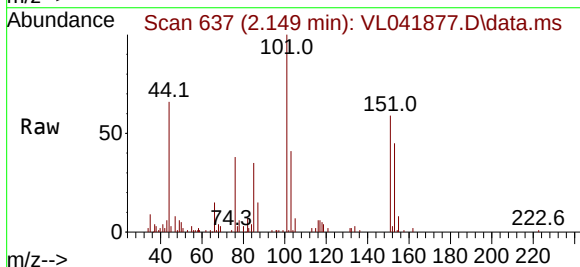
Instrument :
 MSVOA_L
 ClientSampleId :

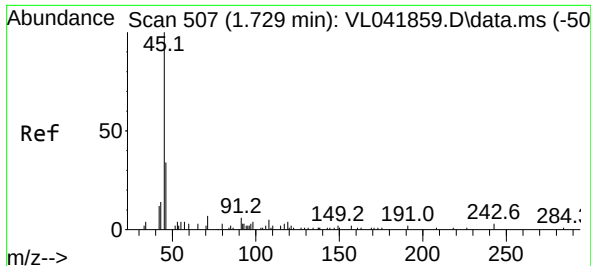
Tgt Ion:101 Resp: 11291
 Ion Ratio Lower Upper
 101 100
 103 56.2 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.529 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. -0.003 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

Tgt Ion:101 Resp: 9194
 Ion Ratio Lower Upper
 101 100
 151 66.7 59.4 89.0

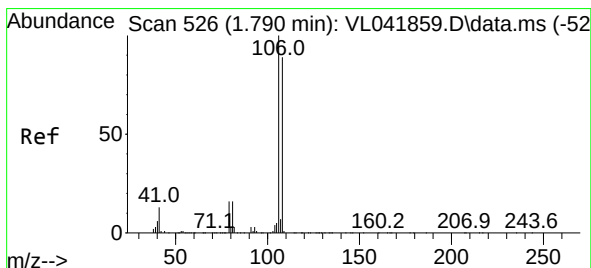
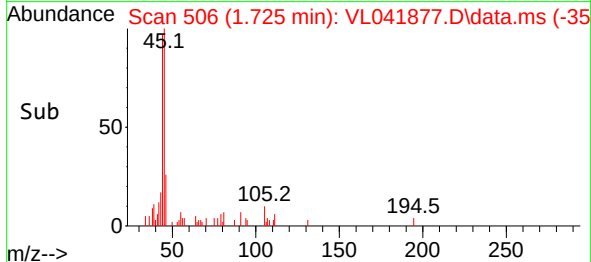
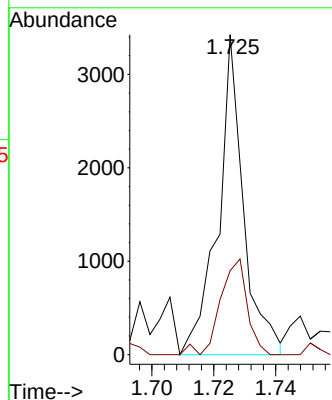
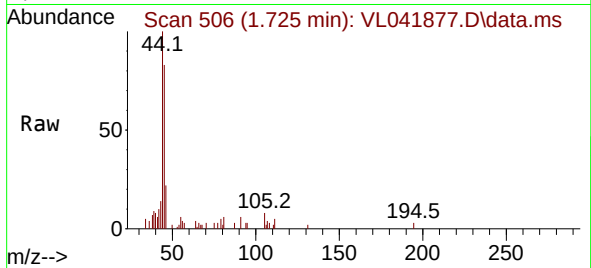




#13
Ethanol
Concen: 2.865 ppbv
RT: 1.725 min Scan# 507
Delta R.T. -0.003 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

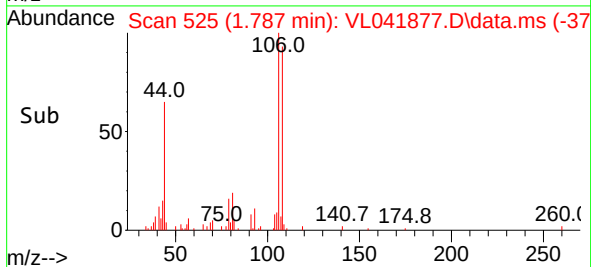
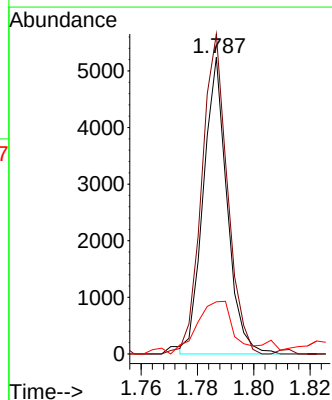
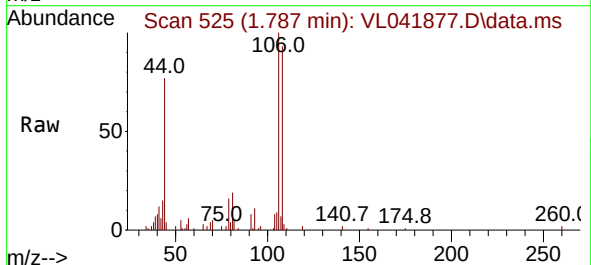
Instrument :
MSVOA_L
ClientSampleId :

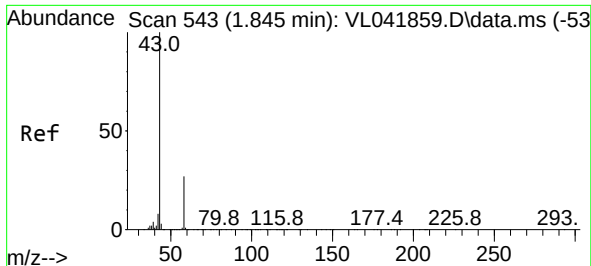
Tgt Ion: 45 Resp: 1950
Ion Ratio Lower Upper
45 100
46 0.0 19.0 76.0#



#14
Bromoethene
Concen: 0.493 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.003 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 108 Resp: 3067
Ion Ratio Lower Upper
108 100
106 119.5 86.9 130.3
79 31.8 15.6 23.4#

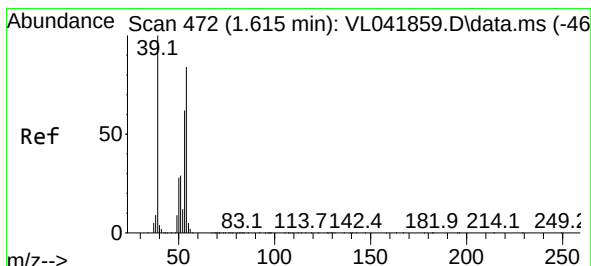
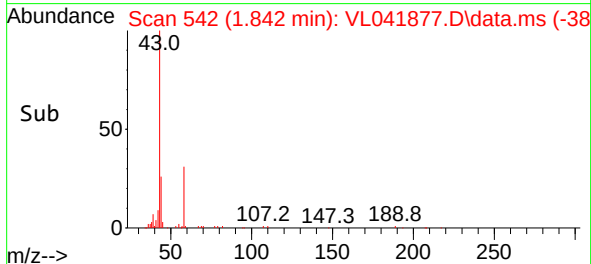
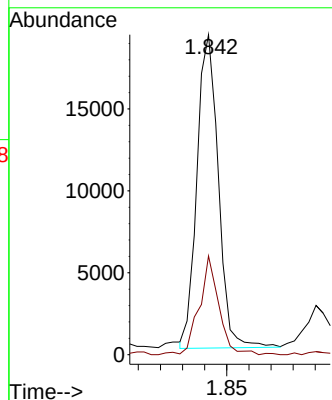
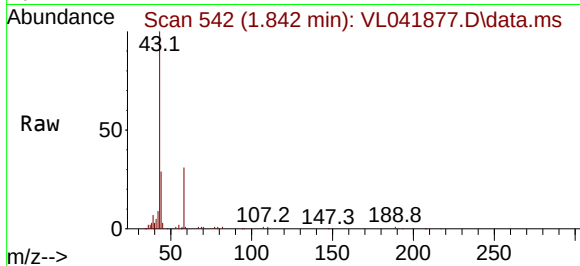




#15
Acetone
Concen: 0.600 ppbv
RT: 1.842 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

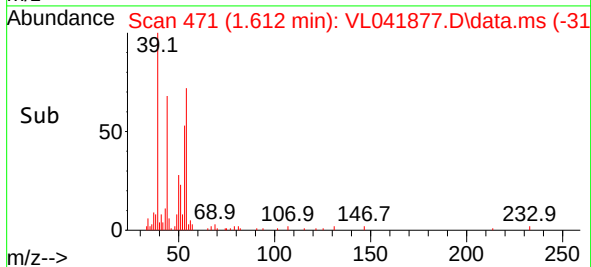
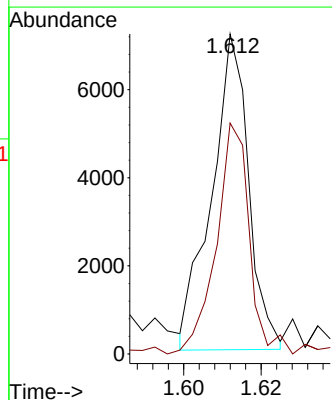
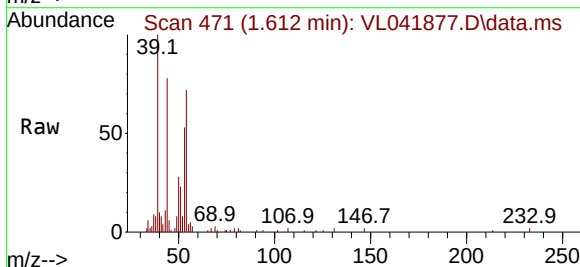
Instrument :
MSVOA_L
ClientSampleId :

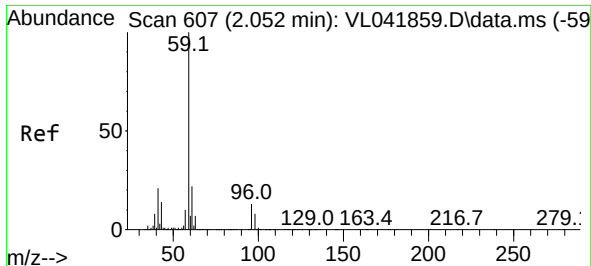
Tgt Ion: 43 Resp: 12885
Ion Ratio Lower Upper
43 100
58 30.1 22.7 34.1



#16
1,3-Butadiene
Concen: 0.516 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 39 Resp: 4758
Ion Ratio Lower Upper
39 100
54 69.3 60.1 90.1





#17

tert-Butyl alcohol

Concen: 0.496 ppbv

RT: 2.049 min Scan# 607

Delta R.T. -0.003 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

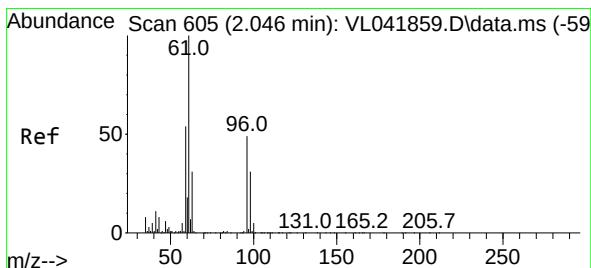
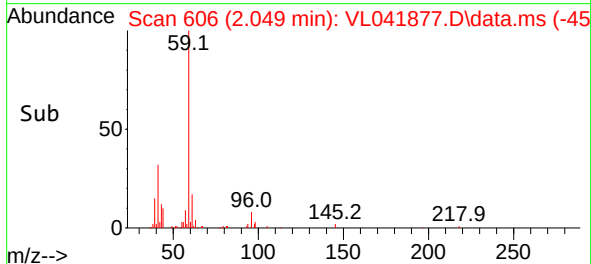
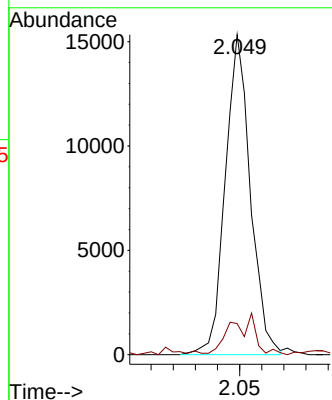
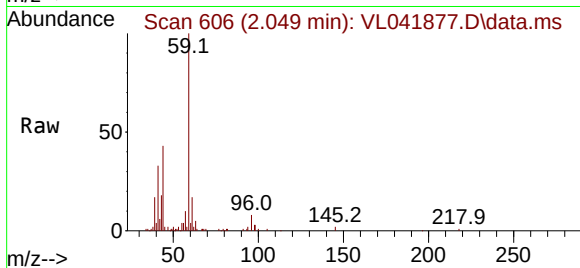
ClientSampleId :

Tgt Ion: 59 Resp: 12089

Ion Ratio Lower Upper

59 100

57 14.5 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.517 ppbv

RT: 2.350 min Scan# 699

Delta R.T. 0.304 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

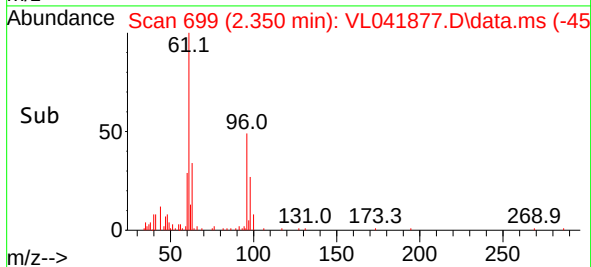
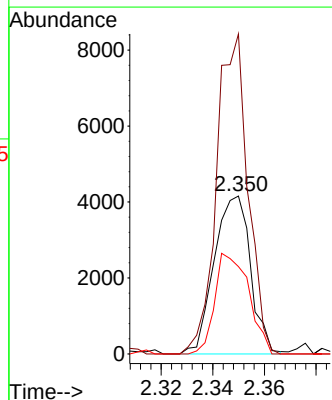
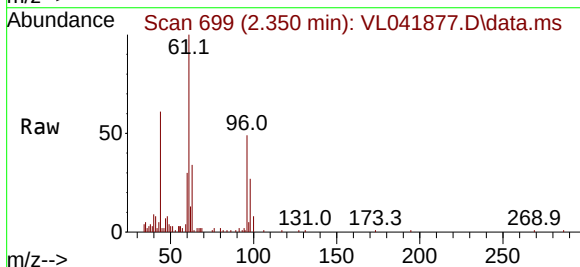
Tgt Ion: 96 Resp: 4066

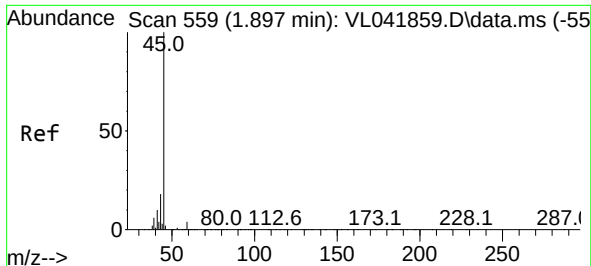
Ion Ratio Lower Upper

96 100

61 202.6 161.7 242.5

98 55.3 51.0 76.4

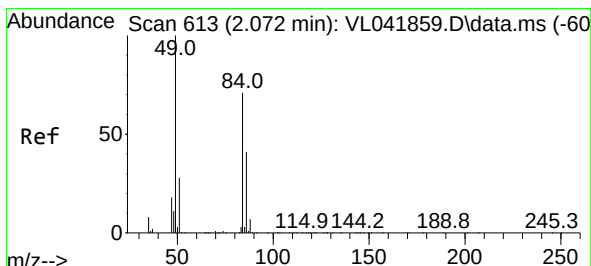
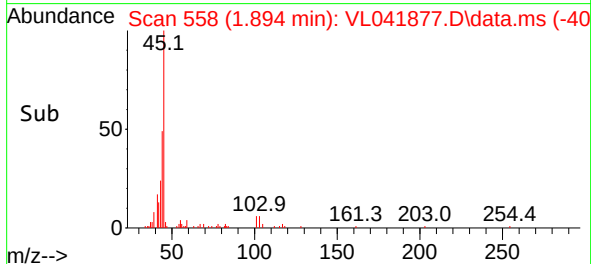
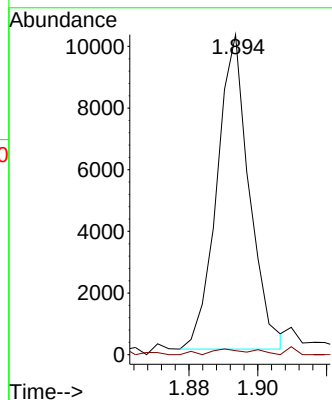
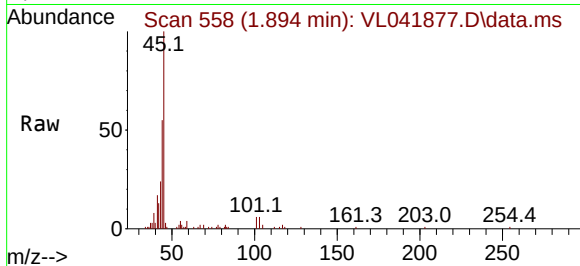




#19
Isopropyl Alcohol
Concen: 0.591 ppbv
RT: 1.894 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

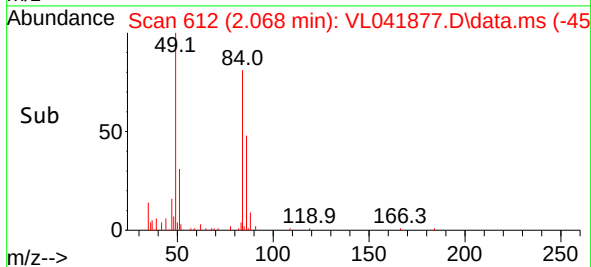
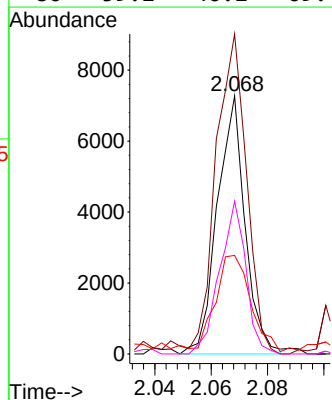
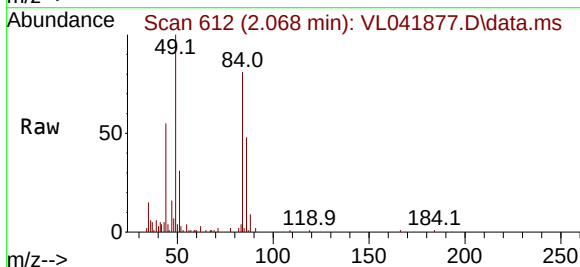
Instrument :
MSVOA_L
ClientSampleId :

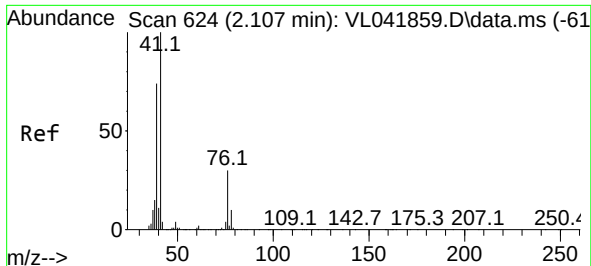
Tgt Ion: 45 Resp: 6668
Ion Ratio Lower Upper
45 100
58 3.6 37.0 55.6#



#20
Methylene Chloride
Concen: 0.679 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.003 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 84 Resp: 4975
Ion Ratio Lower Upper
84 100
49 124.0 113.8 170.8
51 37.4 33.5 50.3
86 59.2 46.2 69.4

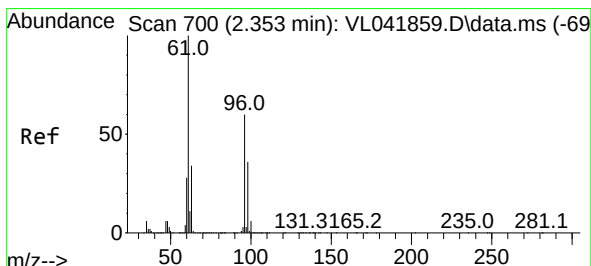
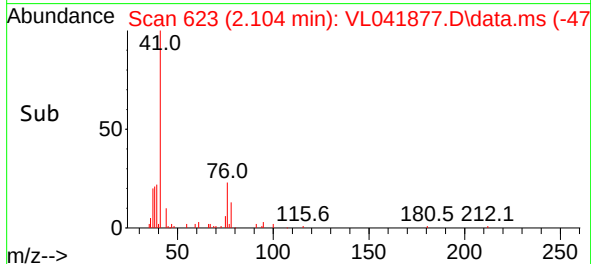
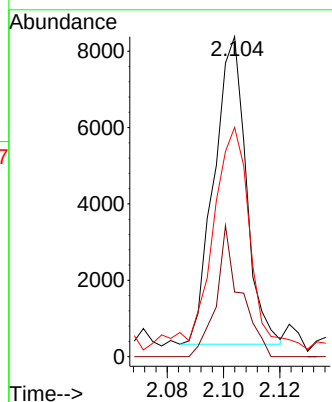
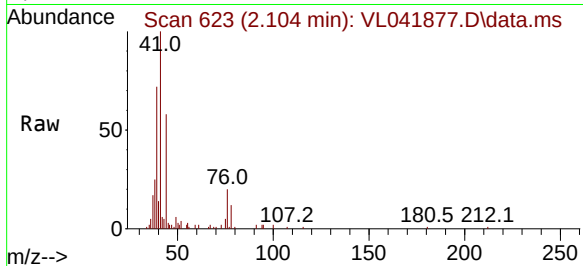




#21
 Allyl Chloride
 Concen: 0.463 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

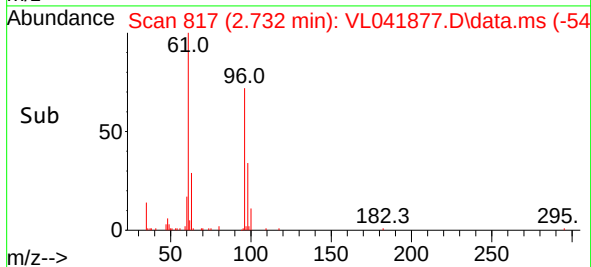
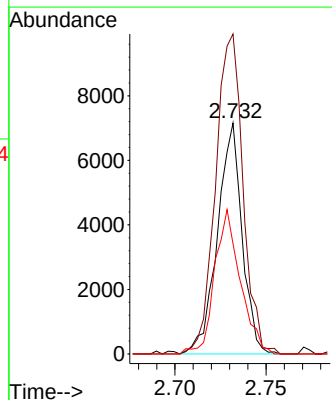
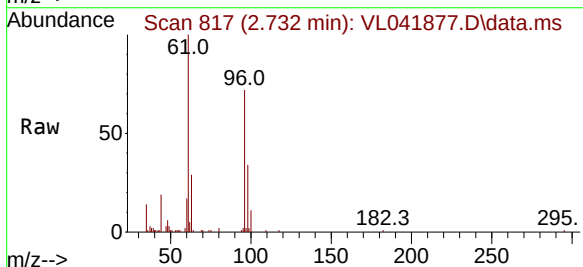
Instrument :
 MSVOA_L
 ClientSampleId :

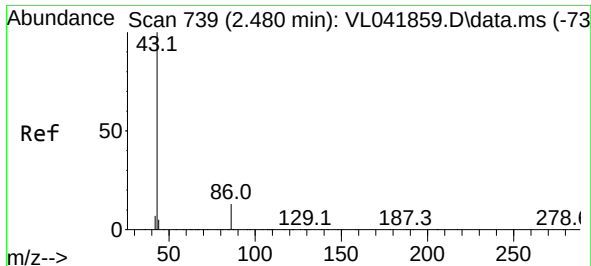
Tgt Ion: 41 Resp: 6358
 Ion Ratio Lower Upper
 41 100
 76 32.2 24.6 36.8
 39 93.8 60.1 90.1#



#22
 trans-1,2-Dichloroethene
 Concen: 0.739 ppbv
 RT: 2.732 min Scan# 817
 Delta R.T. 0.378 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

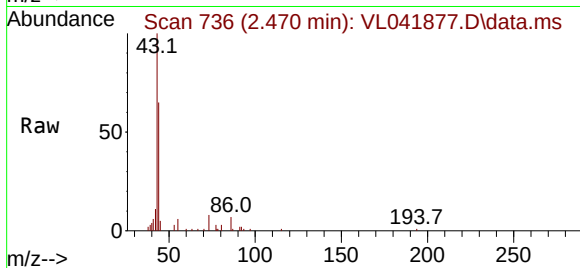
Tgt Ion: 96 Resp: 6730
 Ion Ratio Lower Upper
 96 100
 61 138.6 134.2 201.4
 98 50.7 49.0 73.4



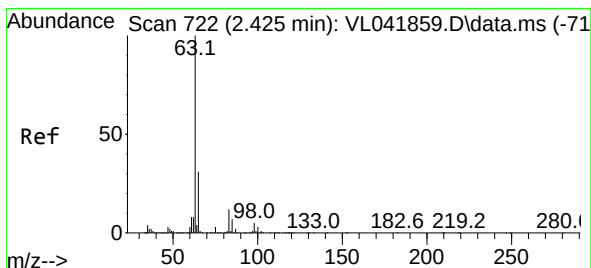
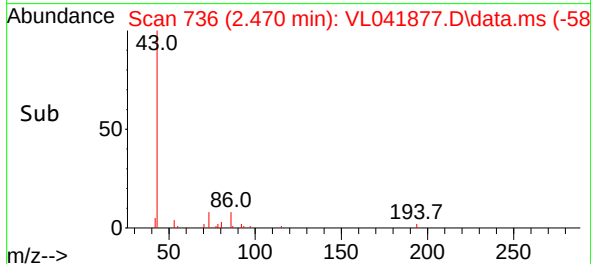
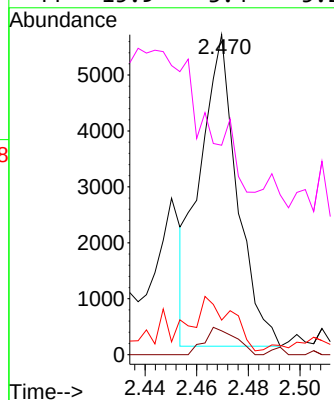


#23
 Vinyl Acetate
 Concen: 0.516 ppbv
 RT: 2.470 min Scan# 71
 Delta R.T. -0.010 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

Instrument :
 MSVOA_L
 ClientSampleId :

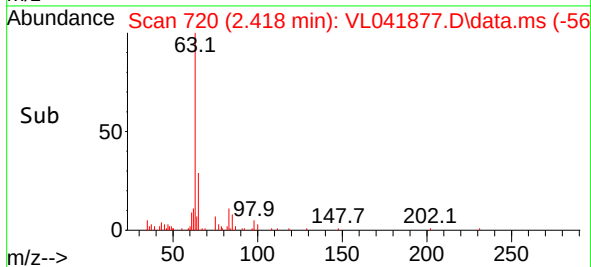
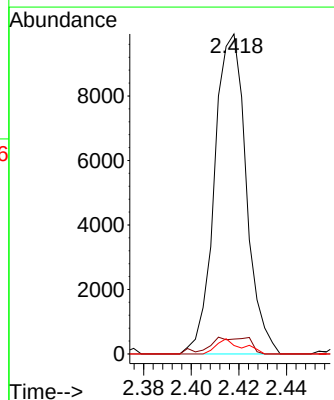
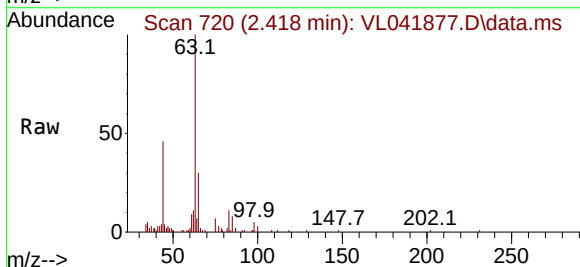


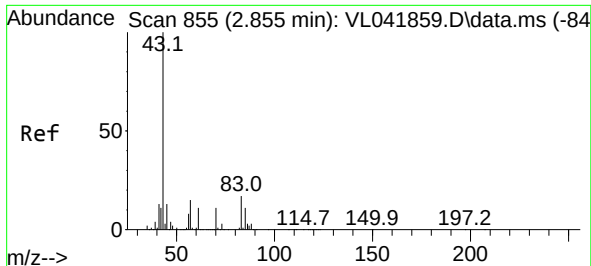
Tgt Ion: 43	Resp: 5611
Ion Ratio	Lower Upper
43 100	
86 7.6	7.8 11.6#
42 8.1	7.0 10.4
44 15.9	3.4 5.2#



#24
 1,1-Dichloroethane
 Concen: 0.532 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. -0.007 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

Tgt Ion: 63	Resp: 9175
Ion Ratio	Lower Upper
63 100	
98 4.7	2.3 6.9
100 2.7	1.3 3.8

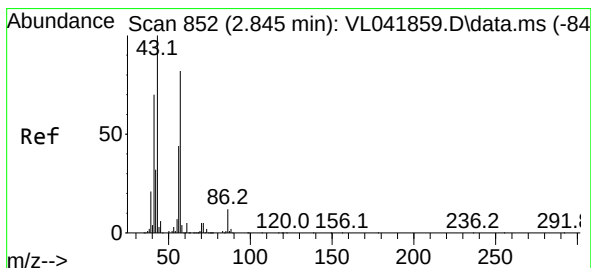
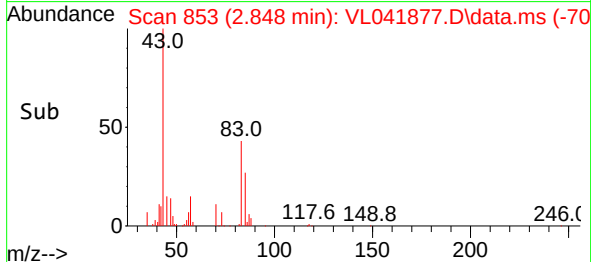
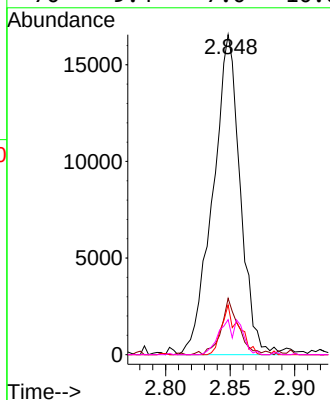
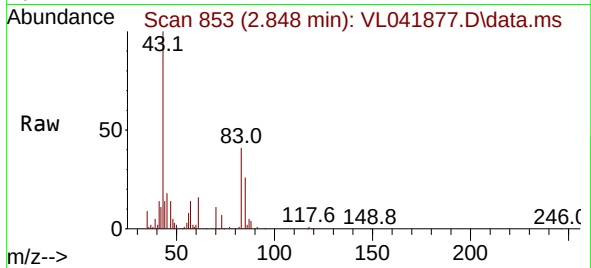




#25
Ethyl Acetate
Concen: 0.456 ppbv
RT: 2.848 min Scan# 811
Delta R.T. -0.007 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

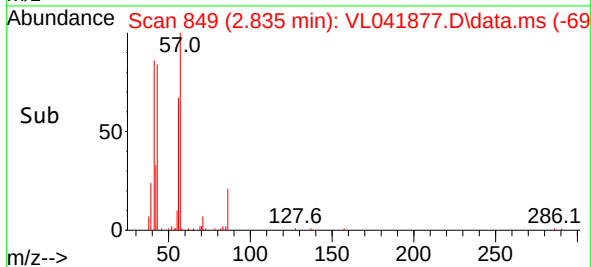
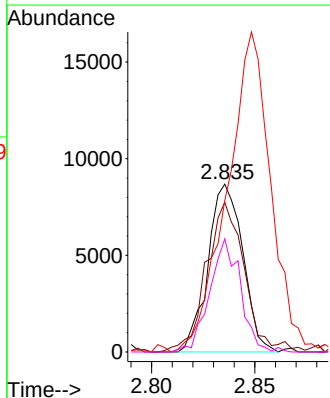
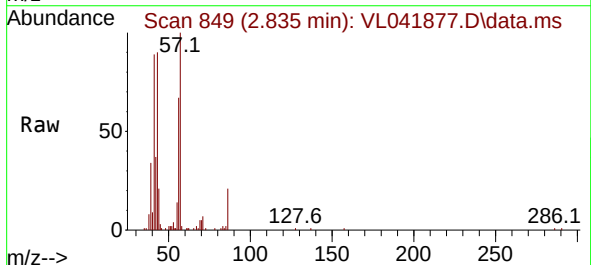
Instrument :
MSVOA_L
ClientSampleId :

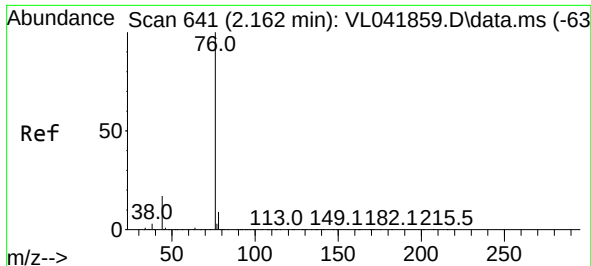
Tgt Ion:	43	Resp:	24334
Ion	Ratio	Lower	Upper
43	100		
45	12.1	8.4	12.6
61	10.0	7.3	10.9
70	9.4	7.0	10.6



#26
Hexane
Concen: 0.463 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.010 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion:	57	Resp:	10167
Ion	Ratio	Lower	Upper
57	100		
41	98.6	71.5	107.3
43	246.1	200.2	300.4
56	60.1	42.2	63.4

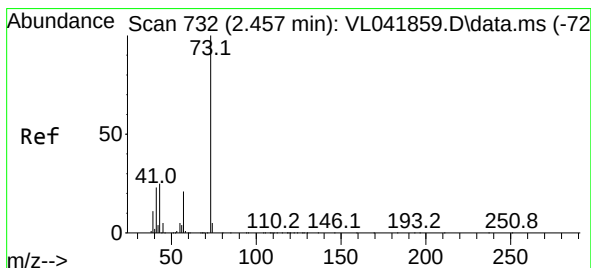
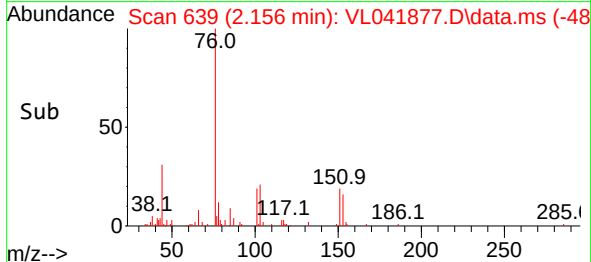
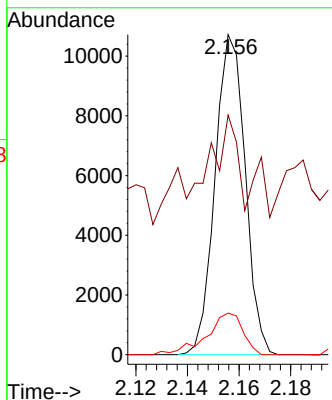
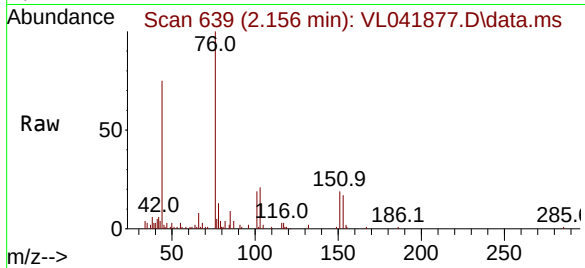




#27
Carbon Disulfide
Concen: 0.414 ppbv
RT: 2.156 min Scan# 61
Delta R.T. -0.007 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

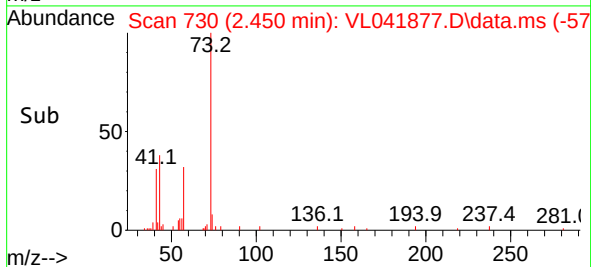
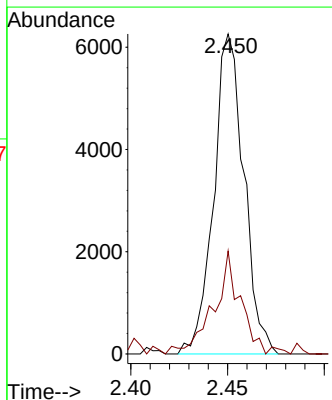
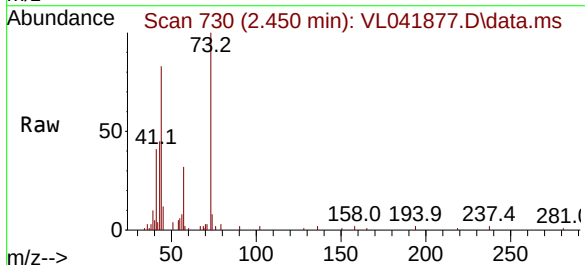
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MSVOA_L
ClientSampleId :

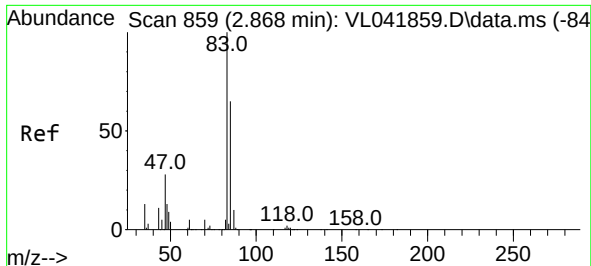
Tgt Ion: 76 Resp: 8696
Ion Ratio Lower Upper
76 100
44 114.8 13.1 19.7#
78 15.6 9.5 14.3#



#28
Methyl tert-Butyl Ether
Concen: 0.404 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.007 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 73 Resp: 6776
Ion Ratio Lower Upper
73 100
57 30.0 17.5 26.3#





#29

Chloroform

Concen: 0.509 ppbv

RT: 2.858 min Scan# 81

Delta R.T. -0.010 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

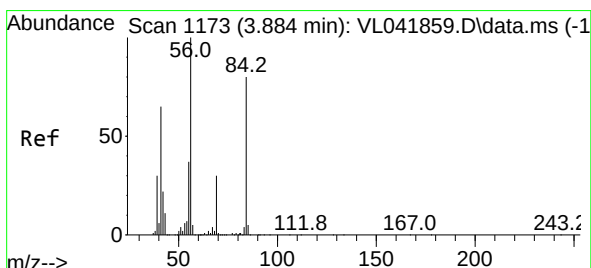
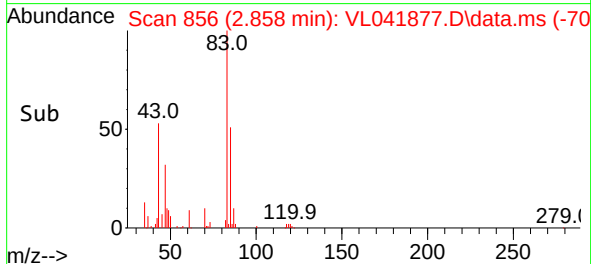
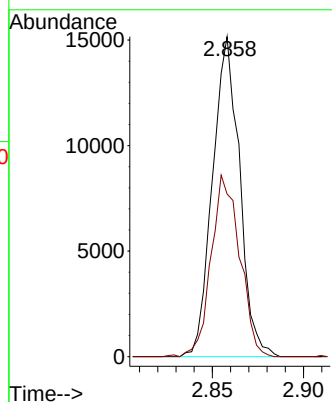
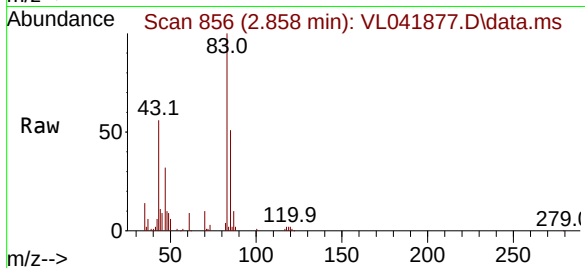
ClientSampleId :

Tgt Ion: 83 Resp: 15631

Ion Ratio Lower Upper

83 100

85 50.8 51.7 77.5#



#30

Cyclohexane

Concen: 0.459 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. -0.013 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

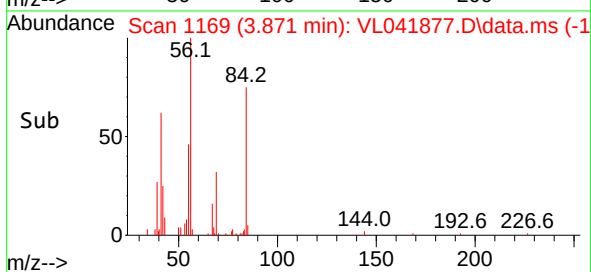
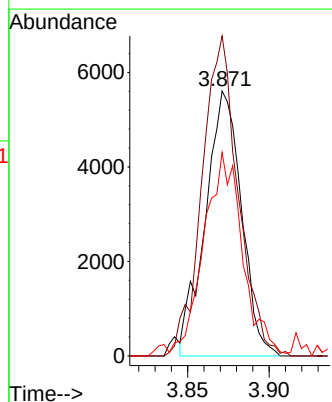
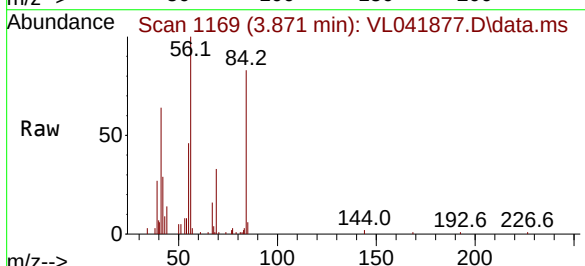
Tgt Ion: 84 Resp: 8647

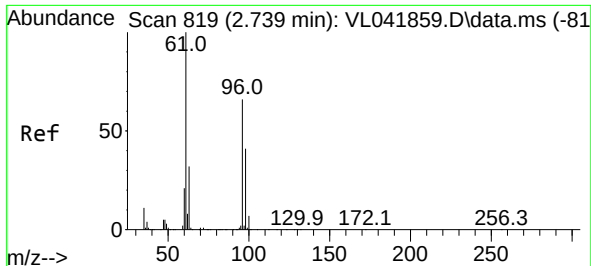
Ion Ratio Lower Upper

84 100

56 120.4 100.7 151.1

41 85.0 62.8 94.2

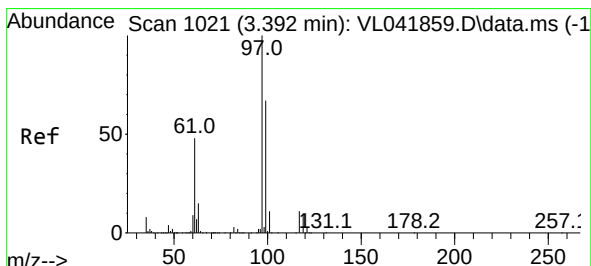
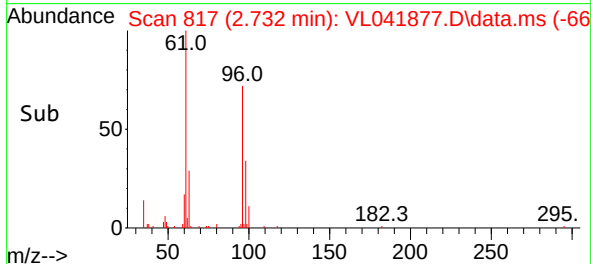
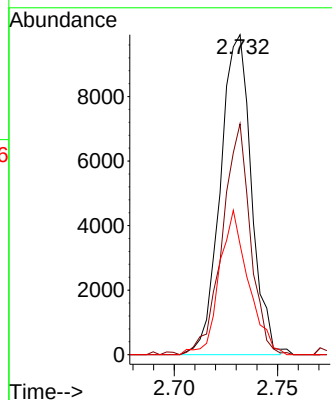
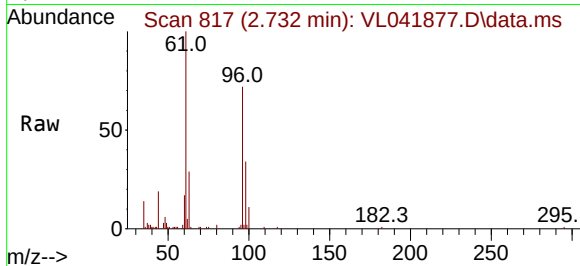




#31
 cis-1,2-Dichloroethene
 Concen: 0.482 ppbv
 RT: 2.732 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

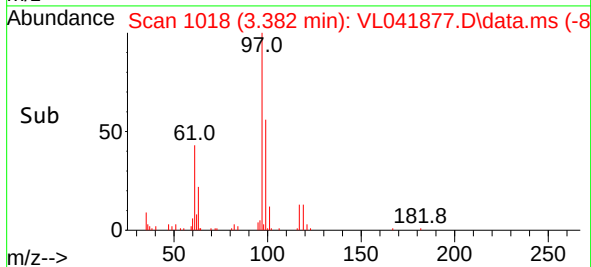
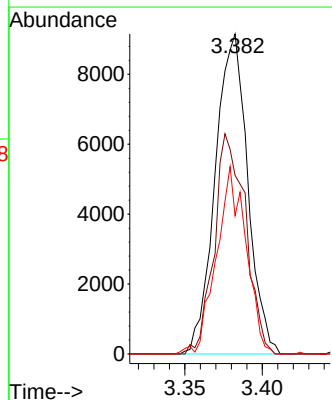
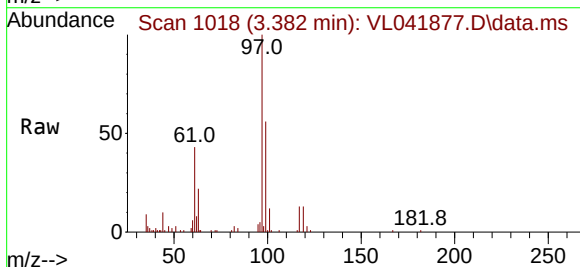
Instrument :
 MSVOA_L
 ClientSampleId :

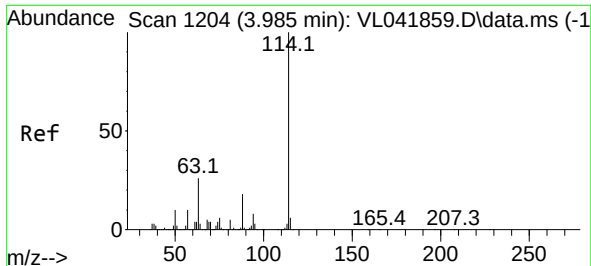
Tgt Ion: 61 Resp: 10336
 Ion Ratio Lower Upper
 61 100
 96 72.1 53.2 79.8
 98 36.5 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 0.438 ppbv
 RT: 3.382 min Scan# 1018
 Delta R.T. -0.010 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

Tgt Ion: 97 Resp: 13358
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.0 78.0
 61 53.1 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 114

Delta R.T. -0.010 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

ClientSampleId :

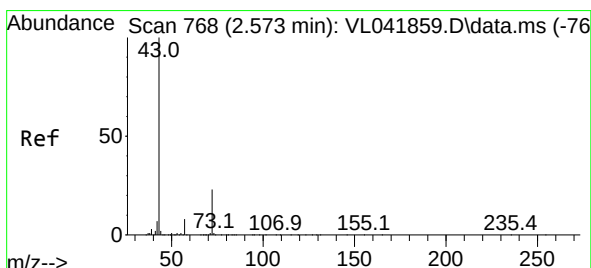
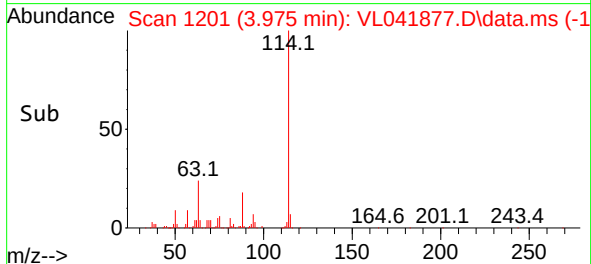
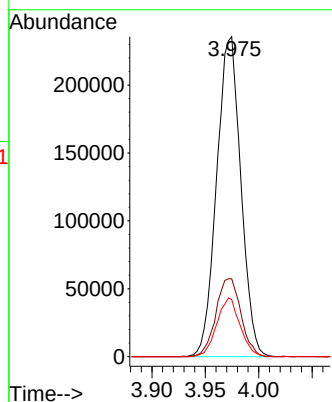
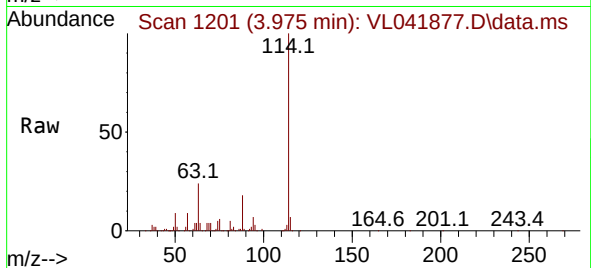
Tgt Ion:114 Resp: 371788

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

88 17.6 14.6 21.8



#34

2-Butanone

Concen: 0.472 ppbv

RT: 2.570 min Scan# 767

Delta R.T. -0.003 min

Lab File: VL041877.D

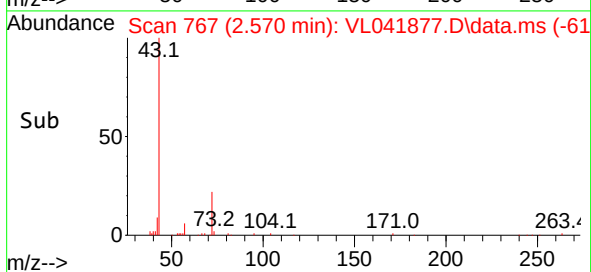
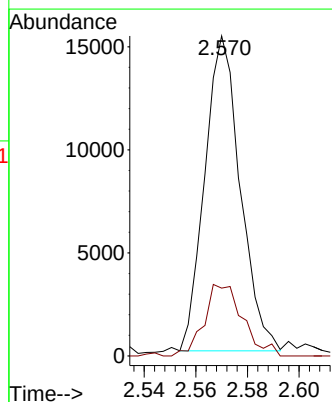
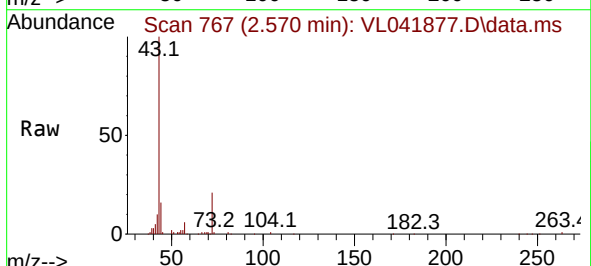
Acq: 09 Jan 2025 21:16

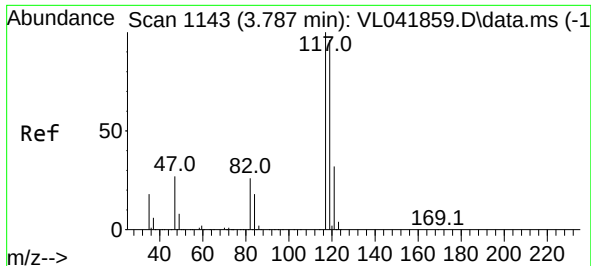
Tgt Ion: 43 Resp: 14574

Ion Ratio Lower Upper

43 100

72 25.0 18.5 27.7

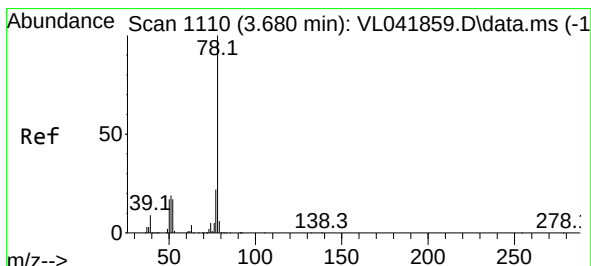
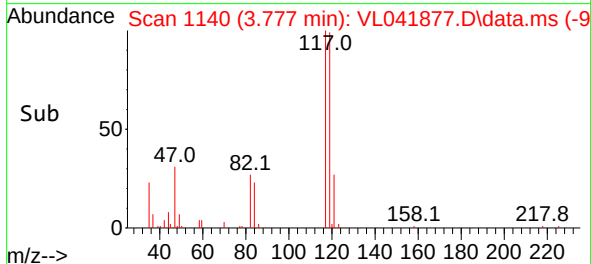
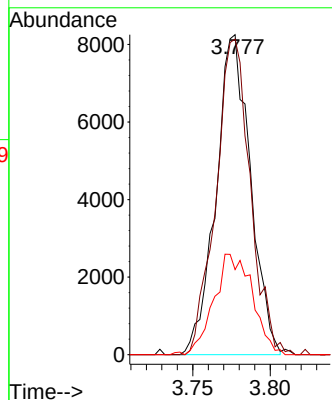
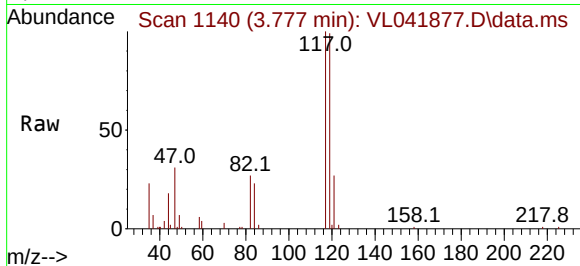




#35
Carbon Tetrachloride
Concen: 0.441 ppbv
RT: 3.777 min Scan# 1143
Delta R.T. -0.010 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

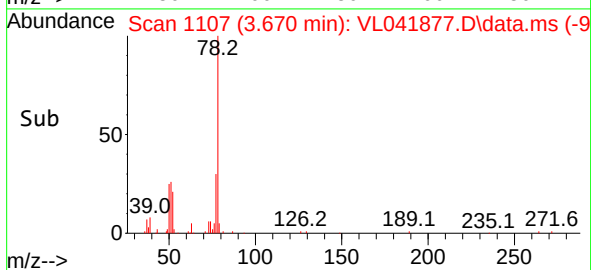
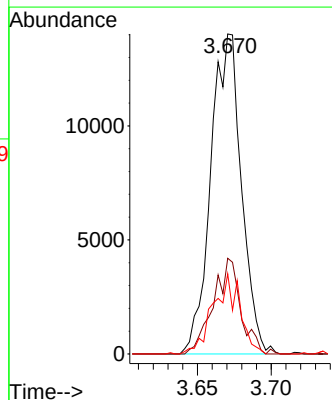
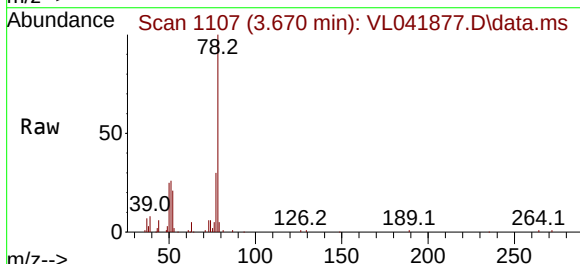
Instrument :
MSVOA_L
ClientSampleId :

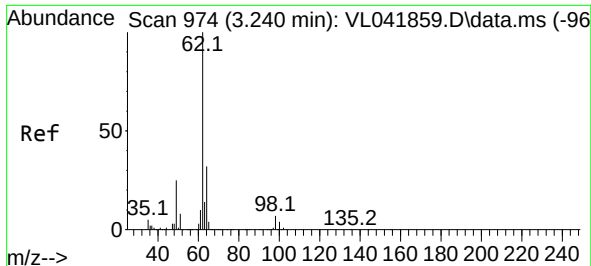
Tgt Ion:117 Resp: 12744
Ion Ratio Lower Upper
117 100
119 98.6 76.9 115.3
121 25.8 25.9 38.9#



#36
Benzene
Concen: 0.470 ppbv
RT: 3.670 min Scan# 1107
Delta R.T. -0.010 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 78 Resp: 20257
Ion Ratio Lower Upper
78 100
77 29.9 17.9 26.9#
50 25.0 13.7 20.5#

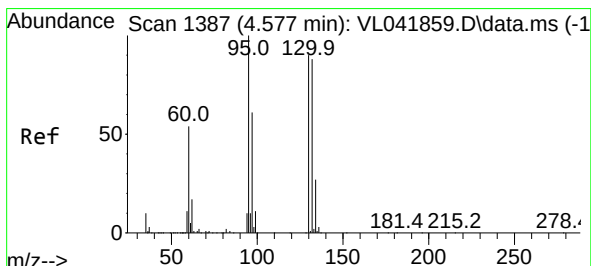
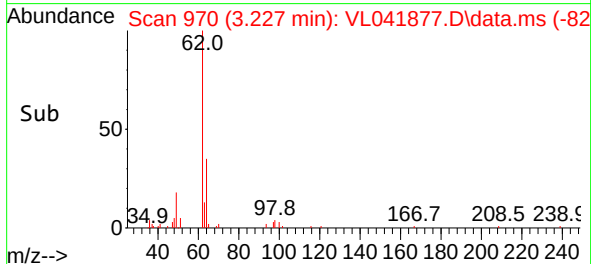
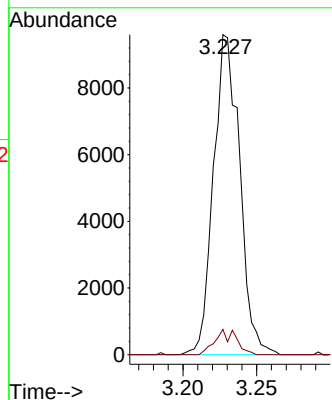
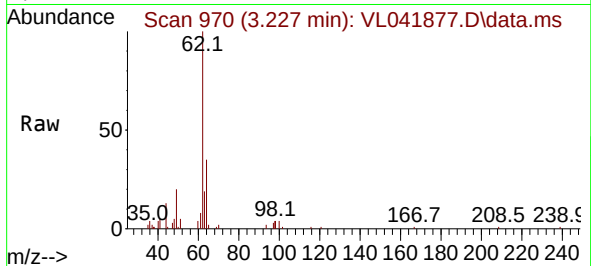




#37
1,2-Dichloroethane
Concen: 0.524 ppbv
RT: 3.227 min Scan# 91
Delta R.T. -0.013 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

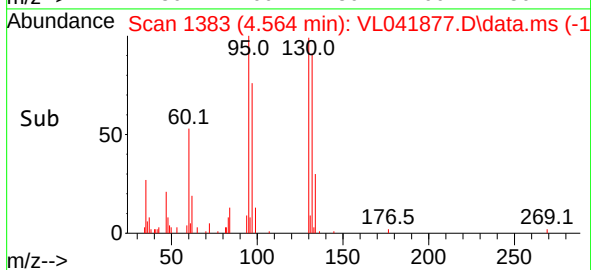
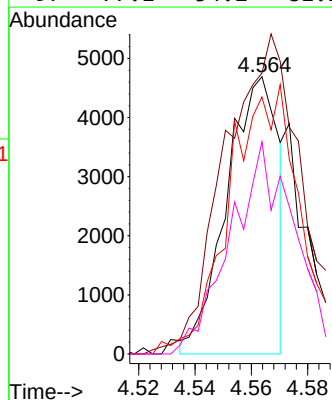
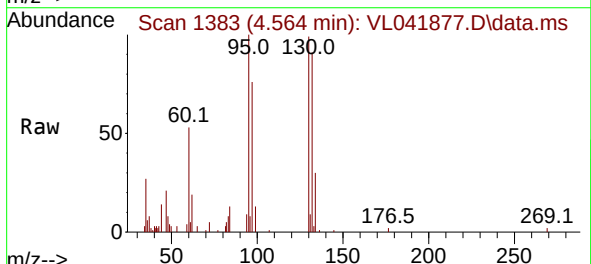
Instrument :
MSVOA_L
ClientSampleId :

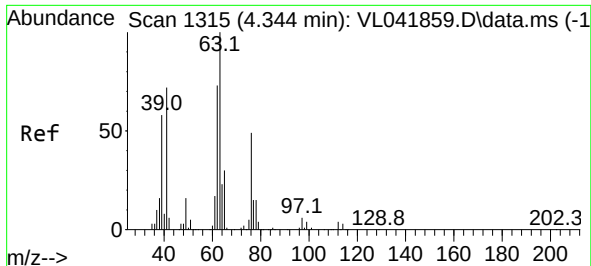
Tgt Ion: 62 Resp: 11849
Ion Ratio Lower Upper
62 100
98 6.4 5.6 8.4



#38
Trichloroethene
Concen: 0.349 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. -0.013 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion:130 Resp: 5945
Ion Ratio Lower Upper
130 100
95 101.2 88.5 132.7
132 91.5 78.2 117.2
97 77.1 54.2 81.2





#39

1,2-Dichloropropane

Concen: 0.221 ppbv

RT: 4.337 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL041877.D

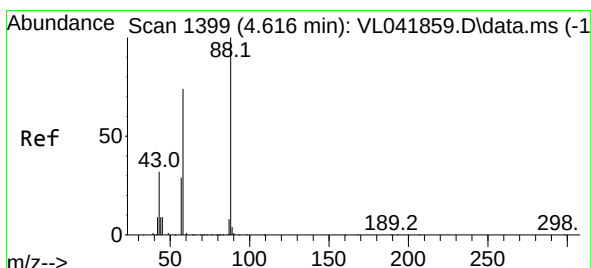
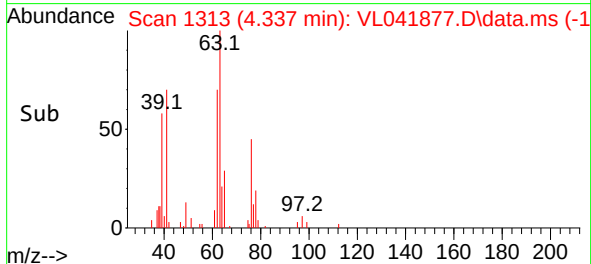
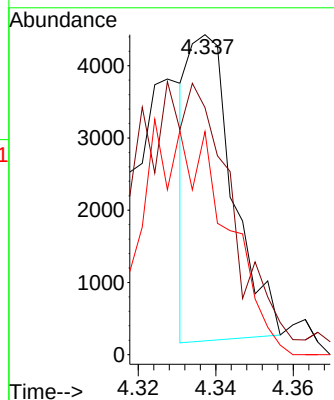
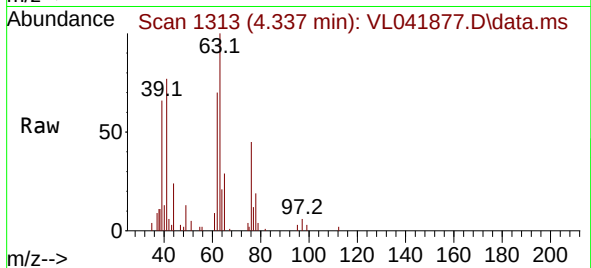
Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 63	Resp: 3384		
Ion Ratio	Lower	Upper	
63 100			
41 67.1	58.0	87.0	
62 71.1	58.6	87.8	



#40

1,4-Dioxane

Concen: 0.258 ppbv

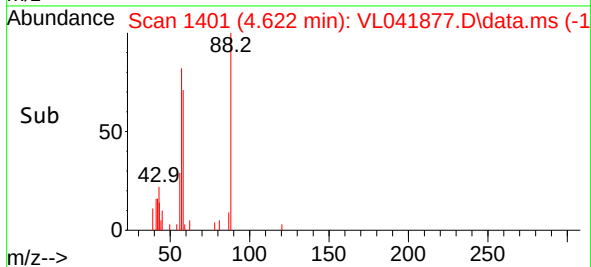
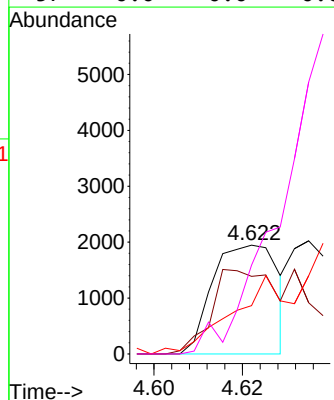
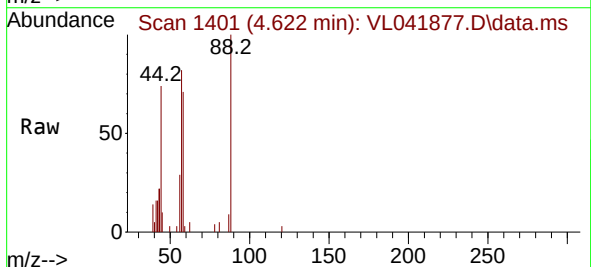
RT: 4.622 min Scan# 1401

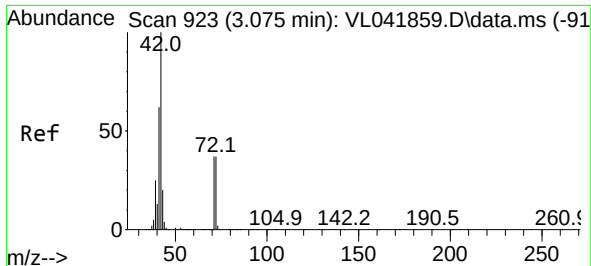
Delta R.T. 0.006 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

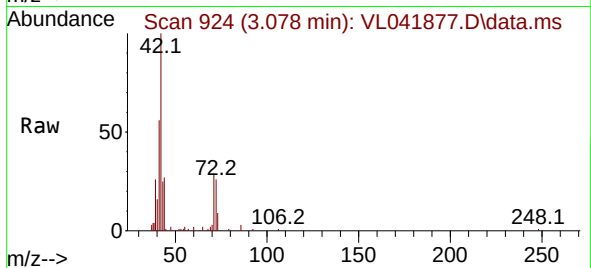
Tgt Ion: 88	Resp: 1990
Ion Ratio	Lower Upper
88 100	
58 0.0	52.2 78.4#
43 0.0	0.0 0.0
57 0.0	0.0 0.0



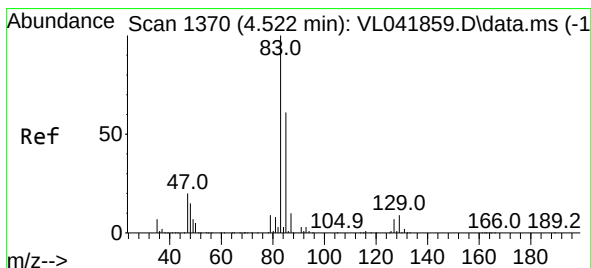
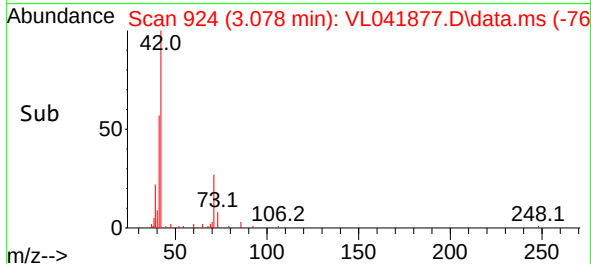
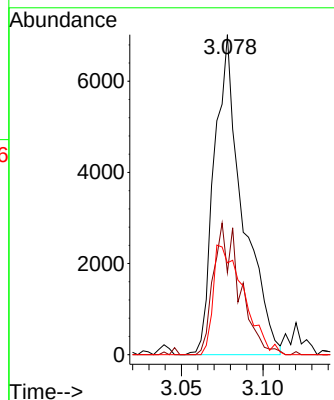


#41
Tetrahydrofuran
Concen: 0.466 ppbv
RT: 3.078 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Instrument :
MSVOA_L
ClientSampleId :

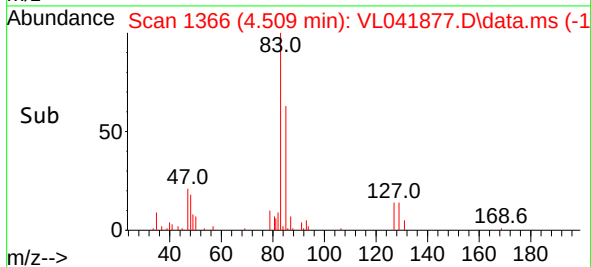
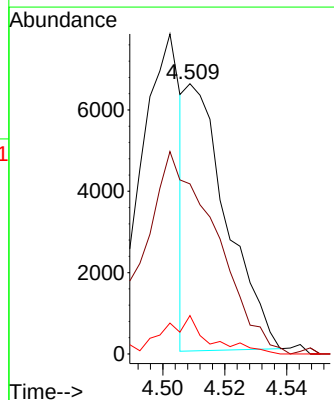
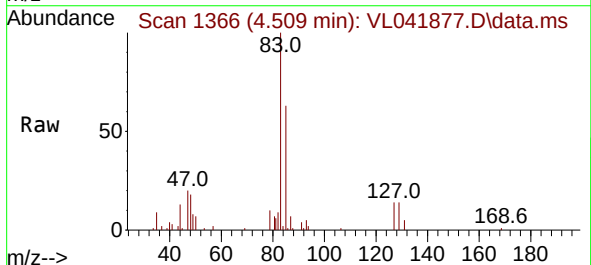


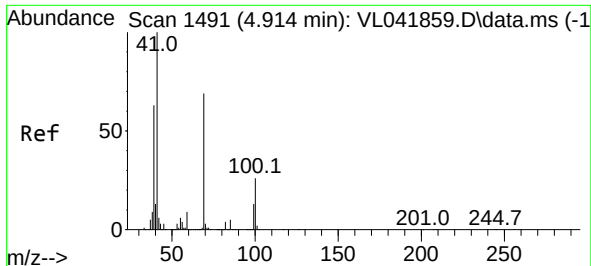
Tgt Ion:	42	Resp:	8466
Ion Ratio	100	Lower	Upper
72	39.1	30.8	46.2
71	36.9	30.1	45.1



#42
Bromodichloromethane
Concen: 0.192 ppbv
RT: 4.509 min Scan# 1366
Delta R.T. -0.013 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion:	83	Resp:	5957
Ion Ratio	100	Lower	Upper
85	61.8	48.9	73.3
127	14.5	5.4	8.2

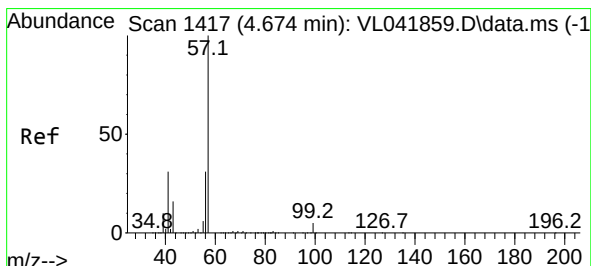
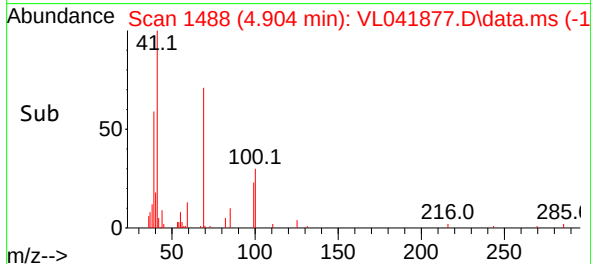
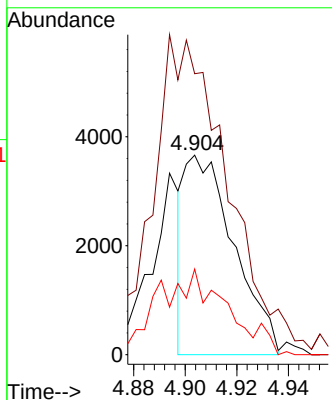
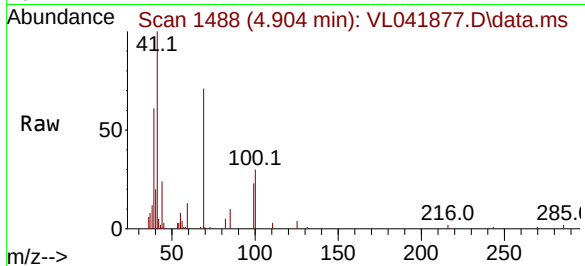




#43
Methyl Methacrylate
Concen: 0.277 ppbv
RT: 4.904 min Scan# 1491
Delta R.T. -0.010 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

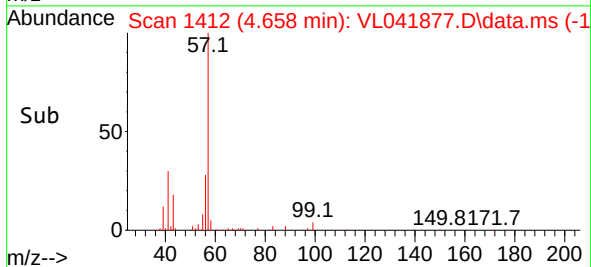
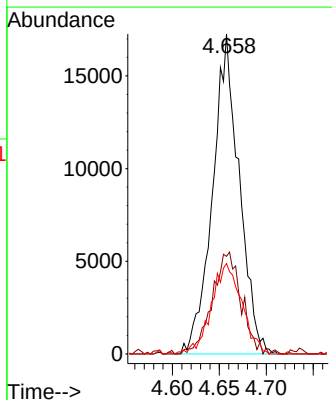
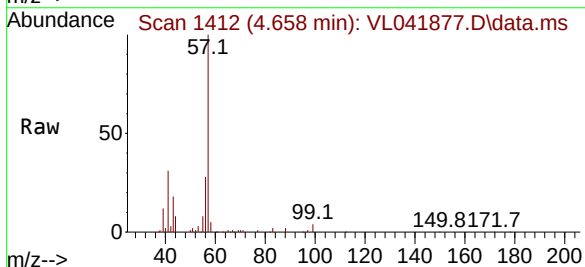
Instrument :
MSVOA_L
ClientSampleId :

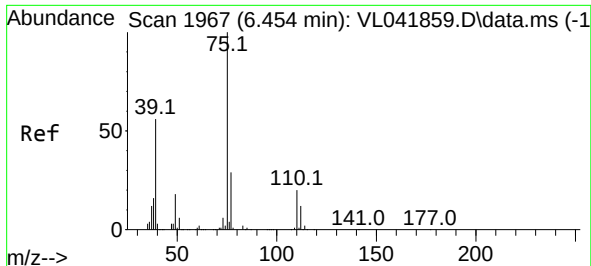
Tgt Ion: 69 Resp: 4899
Ion Ratio Lower Upper
69 100
41 0.0 116.2 174.4#
100 59.7 29.8 44.8#



#44
2,2,4-Trimethylpentane
Concen: 0.467 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. -0.016 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 57 Resp: 34042
Ion Ratio Lower Upper
57 100
41 35.1 25.5 38.3
56 32.4 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 0.182 ppbv

RT: 6.438 min Scan# 1962

Delta R.T. -0.016 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

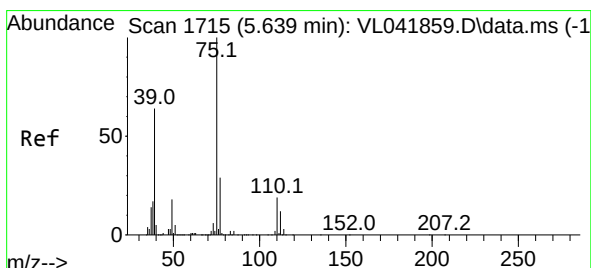
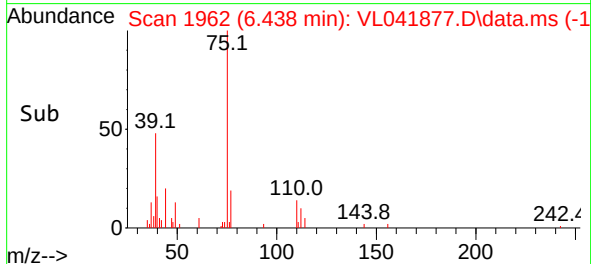
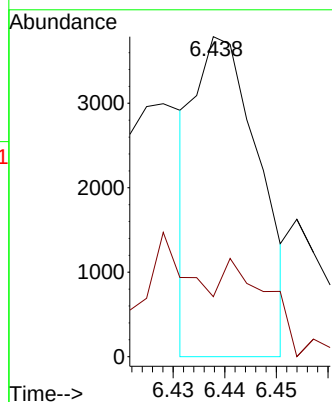
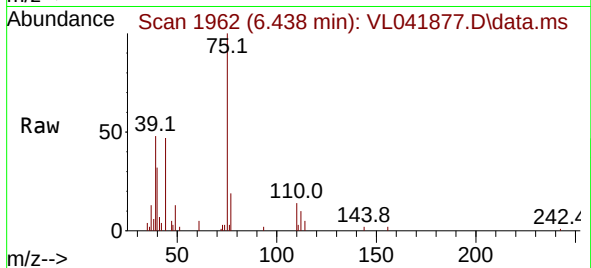
ClientSampleId :

Tgt Ion: 75 Resp: 3289

Ion Ratio Lower Upper

75 100

77 18.8 23.4 35.2#



#46

cis-1,3-Dichloropropene

Concen: 0.252 ppbv

RT: 5.625 min Scan# 1711

Delta R.T. -0.013 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

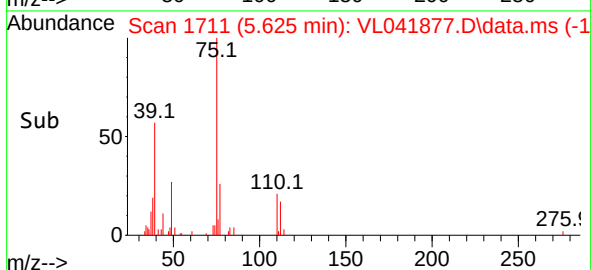
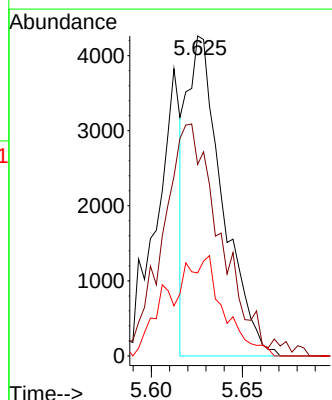
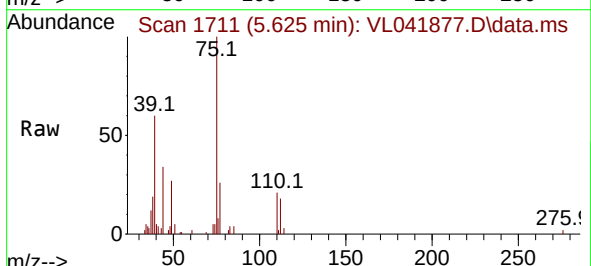
Tgt Ion: 75 Resp: 5844

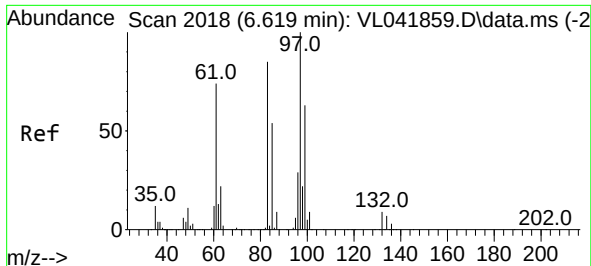
Ion Ratio Lower Upper

75 100

39 56.7 51.4 77.2

77 26.0 23.0 34.4





#47

1,1,2-Trichloroethane

Concen: 0.394 ppbv

RT: 6.609 min Scan# 20

Delta R.T. -0.010 min

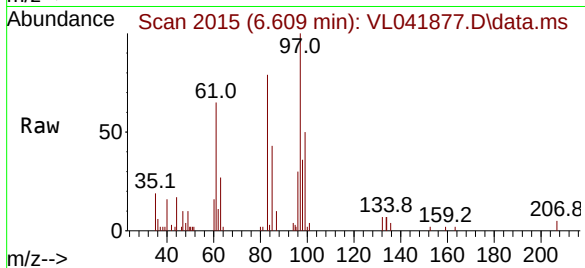
Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 97 Resp: 6353

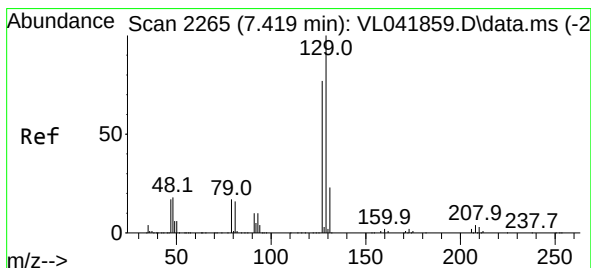
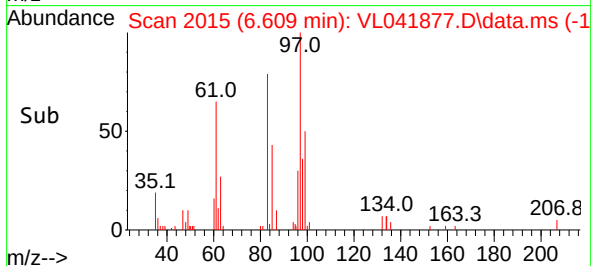
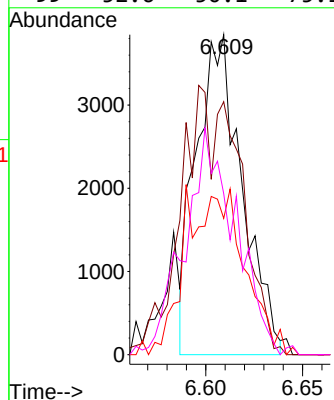
Ion Ratio Lower Upper

97 100

83 80.1 68.1 102.1

85 36.3 43.4 65.2#

99 52.6 50.1 75.1



#48

Dibromochloromethane

Concen: 0.393 ppbv

RT: 7.402 min Scan# 2260

Delta R.T. -0.016 min

Lab File: VL041877.D

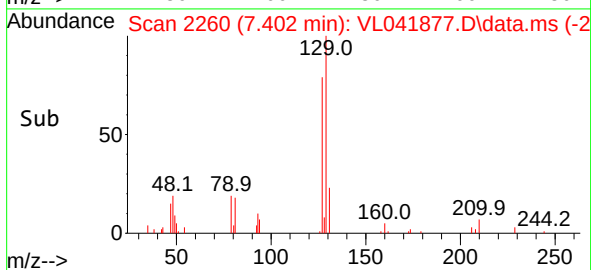
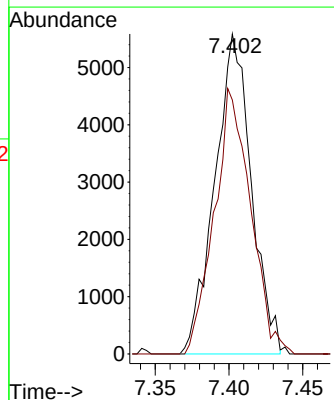
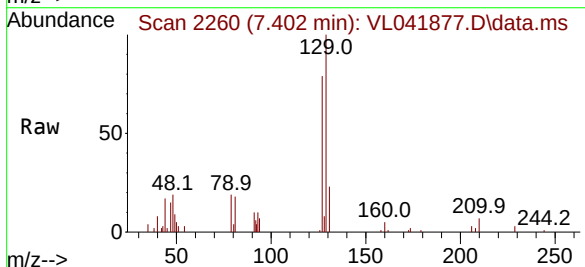
Acq: 09 Jan 2025 21:16

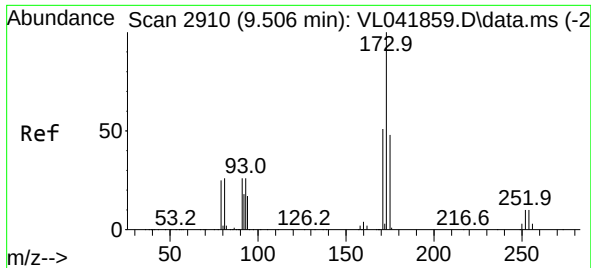
Tgt Ion: 129 Resp: 9624

Ion Ratio Lower Upper

129 100

127 82.4 39.4 118.1





#49

Bromoform

Concen: 0.358 ppbv

RT: 9.493 min Scan# 2910

Delta R.T. -0.013 min

Lab File: VL041877.D

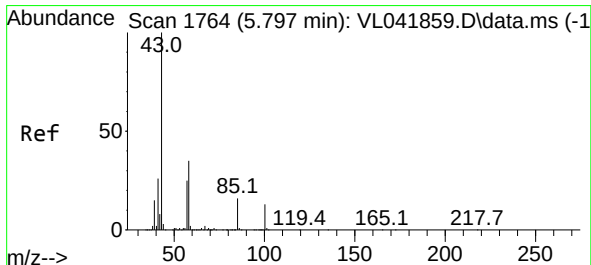
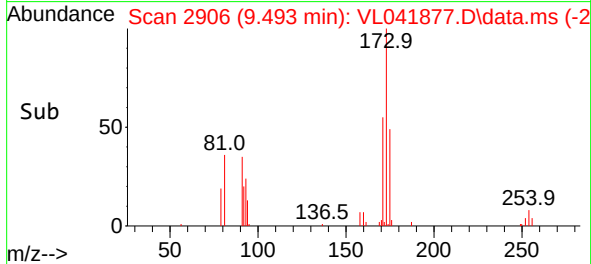
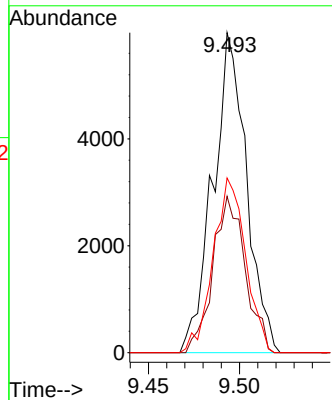
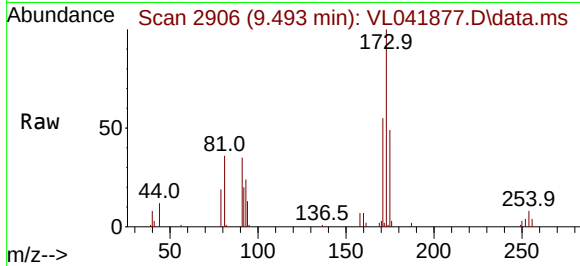
Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:173	Resp:	7655
Ion Ratio	Lower	Upper
173	100	
175	47.1	38.2 57.2
171	52.8	41.3 61.9



#50

4-Methyl-2-Pentanone

Concen: 0.148 ppbv

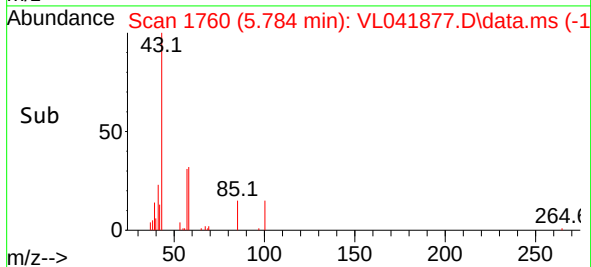
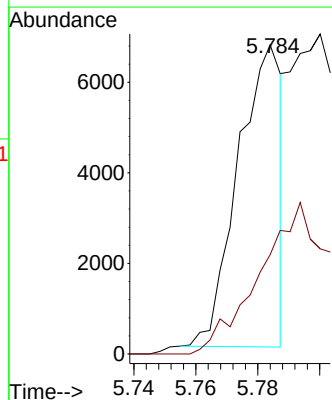
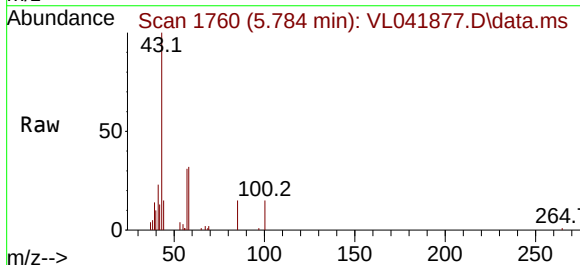
RT: 5.784 min Scan# 1760

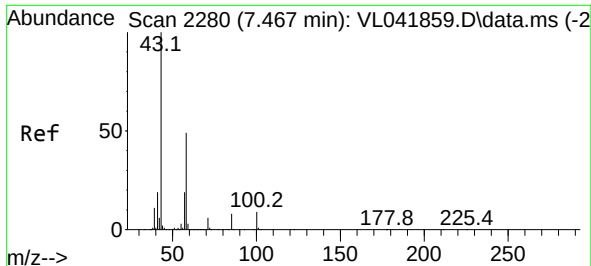
Delta R.T. -0.013 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Tgt Ion: 43	Resp:	6518
Ion Ratio	Lower	Upper
43	100	
58	0.0	29.4 44.2#

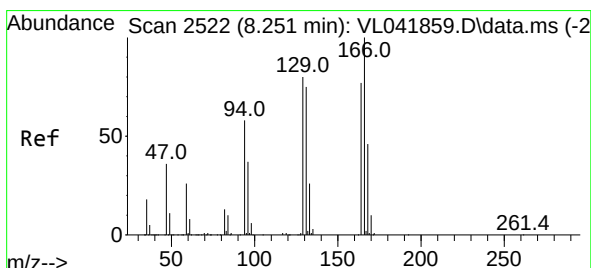
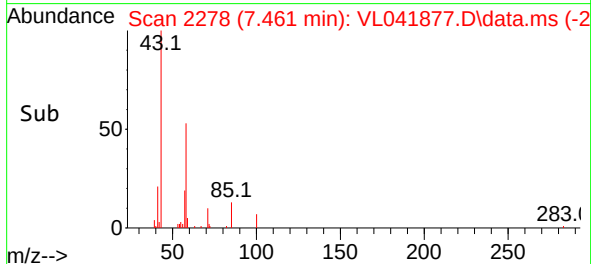
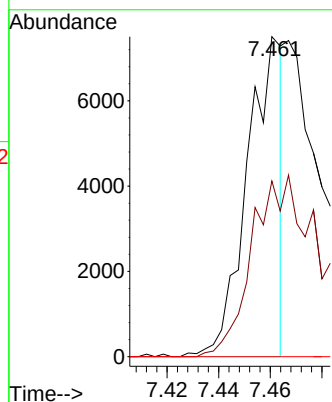
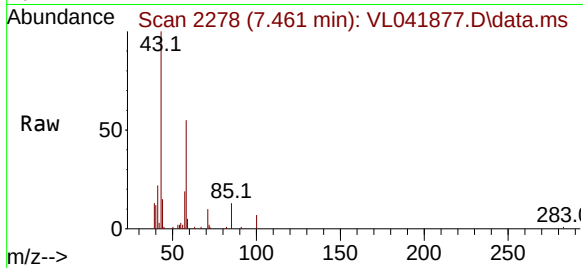




#51
2-Hexanone
Concen: 0.195 ppbv
RT: 7.461 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

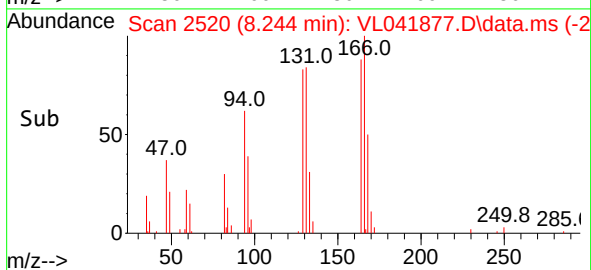
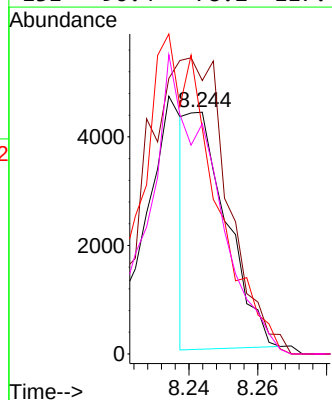
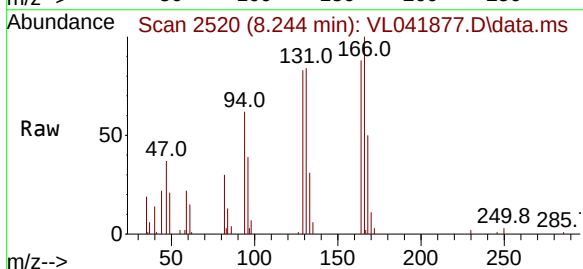
Instrument :
MSVOA_L
ClientSampleId :

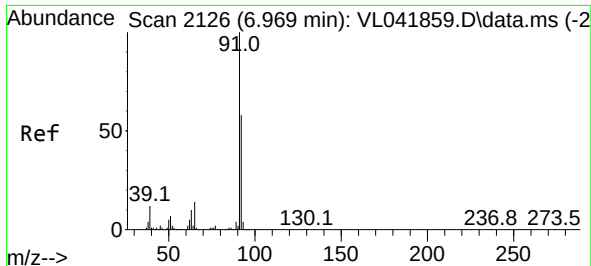
Tgt Ion: 43 Resp: 7065
Ion Ratio Lower Upper
43 100
58 0.0 40.0 60.0#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.212 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. -0.007 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 164 Resp: 3505
Ion Ratio Lower Upper
164 100
166 108.4 103.6 155.4
129 94.2 82.6 123.8
131 96.4 78.2 117.4

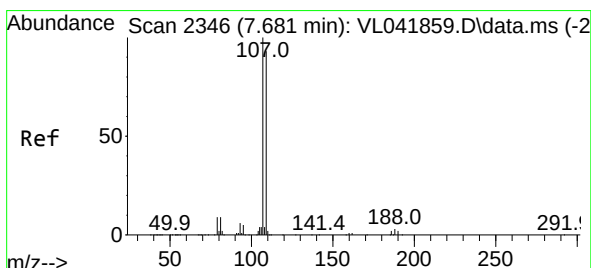
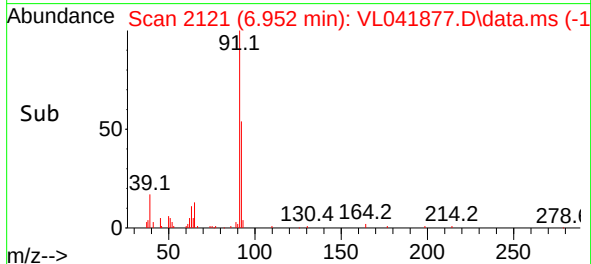
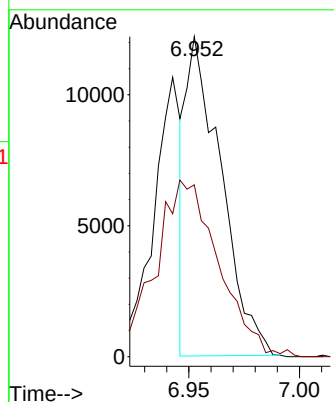
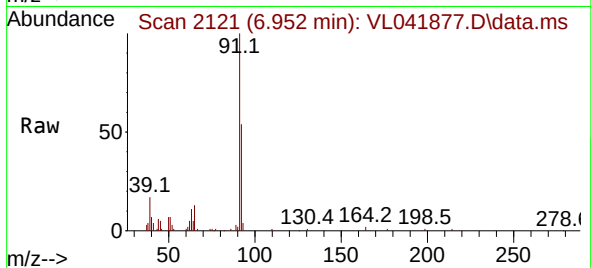




#53
Toluene
Concen: 0.263 ppbv
RT: 6.952 min Scan# 2121
Delta R.T. -0.016 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

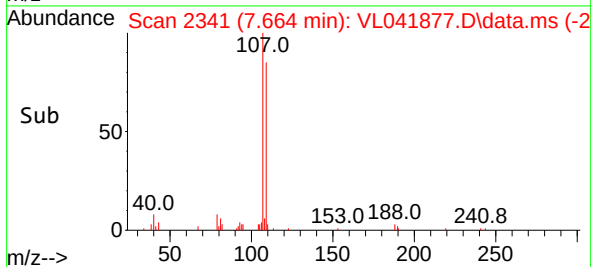
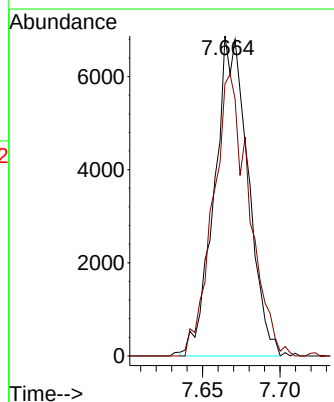
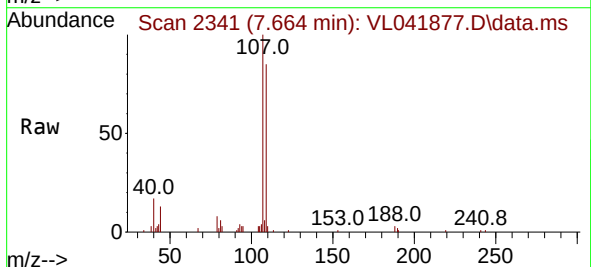
Instrument :
MSVOA_L
ClientSampleId :

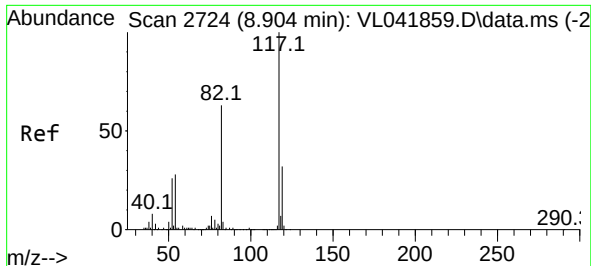
Tgt Ion: 91 Resp: 13505
Ion Ratio Lower Upper
91 100
92 0.0 47.2 70.8#



#54
1,2-Dibromoethane
Concen: 0.475 ppbv
RT: 7.664 min Scan# 2341
Delta R.T. -0.016 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 107 Resp: 10438
Ion Ratio Lower Upper
107 100
109 85.1 74.6 112.0

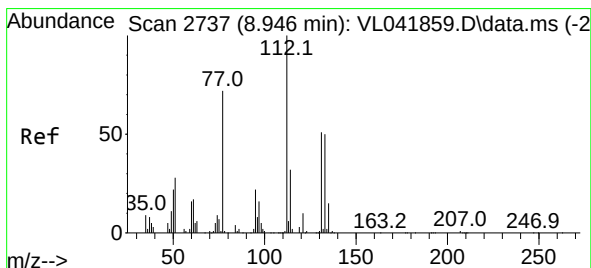
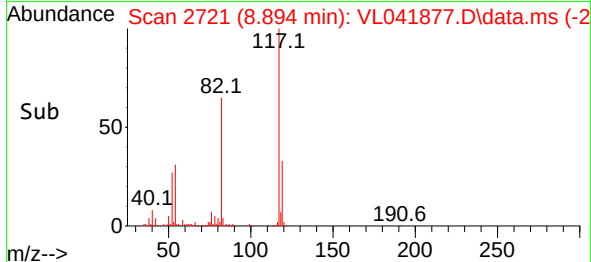
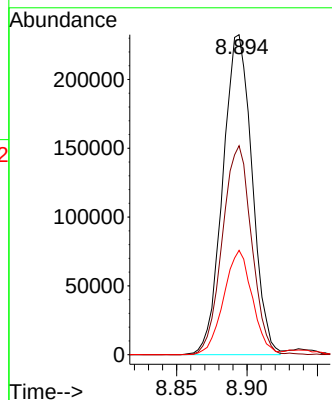
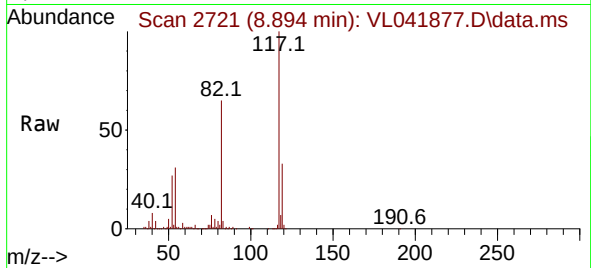




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

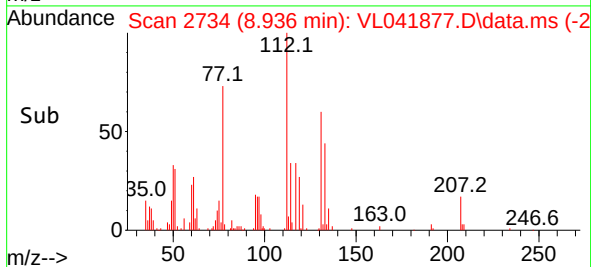
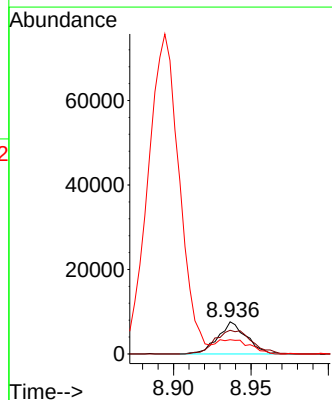
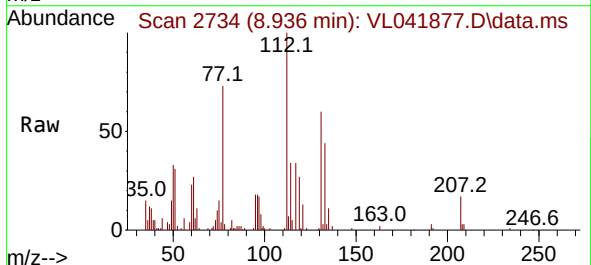
Instrument :
MSVOA_L
ClientSampleId :

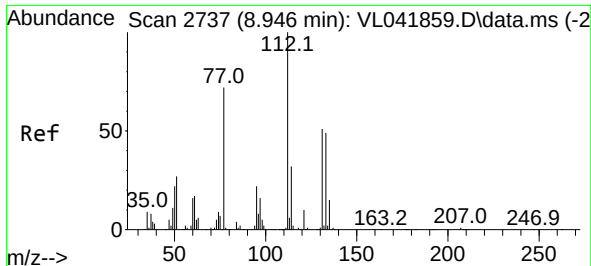
Tgt Ion:117 Resp: 336513
Ion Ratio Lower Upper
117 100
82 65.5 54.5 81.7
119 33.5 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.482 ppbv
RT: 8.936 min Scan# 2734
Delta R.T. -0.010 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion:131 Resp: 9676
Ion Ratio Lower Upper
131 100
133 95.4 77.4 116.2
119 1164.9 49.4 74.0#

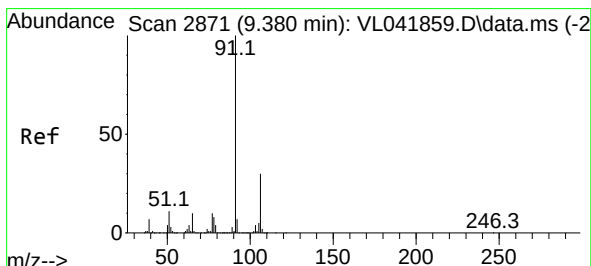
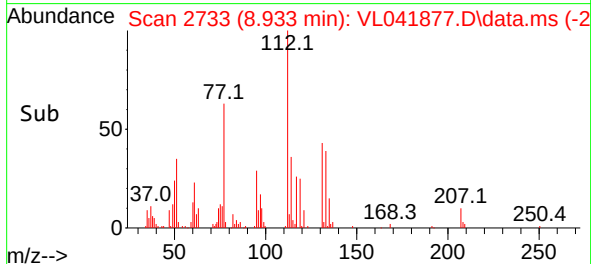
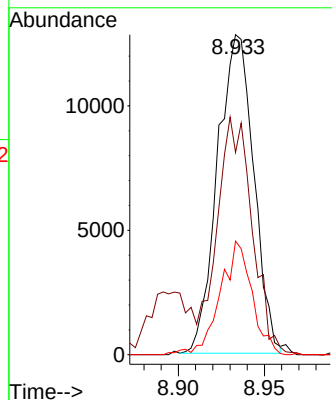
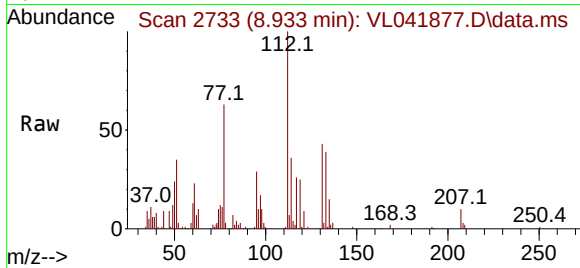




#57
Chlorobenzene
Concen: 0.499 ppbv
RT: 8.933 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

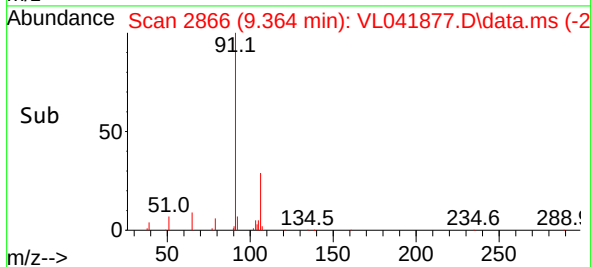
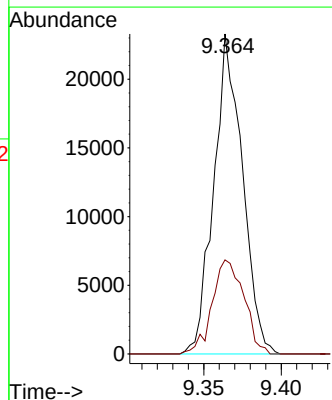
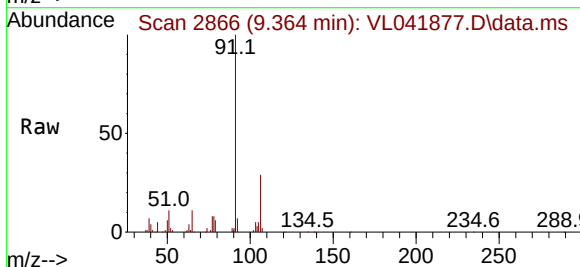
Instrument :
MSVOA_L
ClientSampleId :

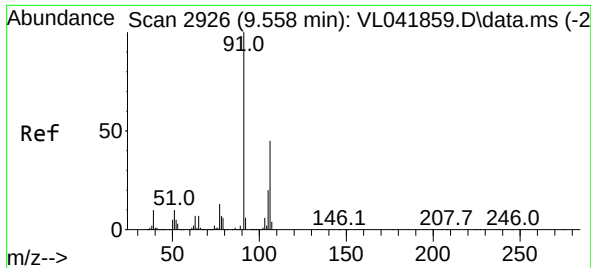
Tgt Ion:112 Resp: 18725
Ion Ratio Lower Upper
112 100
77 61.1 58.3 87.5
114 35.2 28.9 35.3



#58
Ethyl Benzene
Concen: 0.433 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. -0.016 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 91 Resp: 29925
Ion Ratio Lower Upper
91 100
106 29.4 24.2 36.2

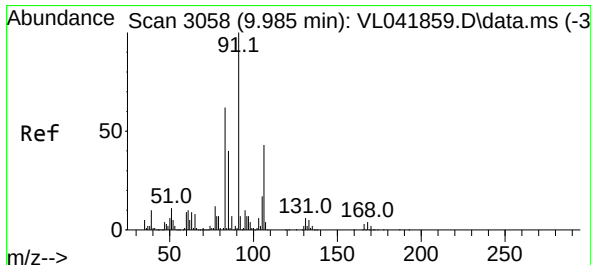
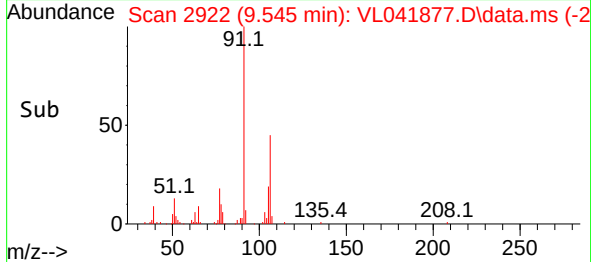
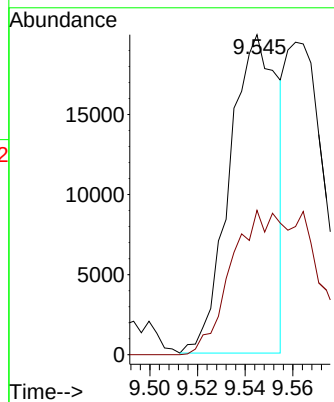
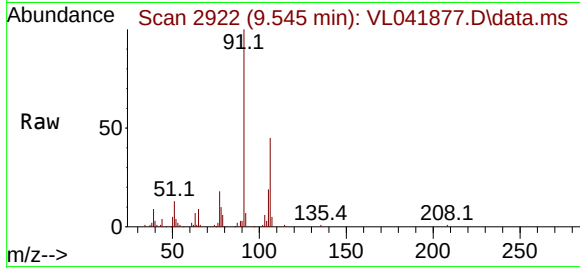




#59
m/p-Xylene
Concen: 0.510 ppbv
RT: 9.545 min Scan# 2926
Delta R.T. -0.013 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

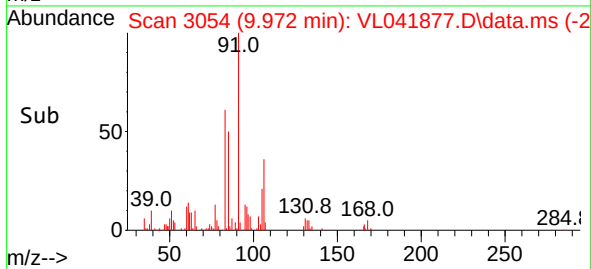
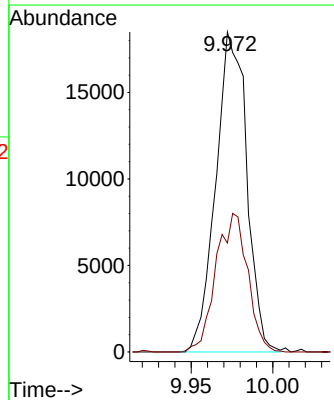
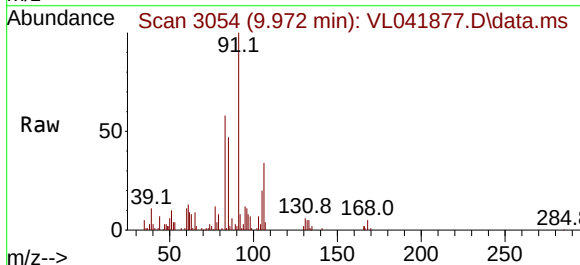
Instrument :
MSVOA_L
ClientSampleId :

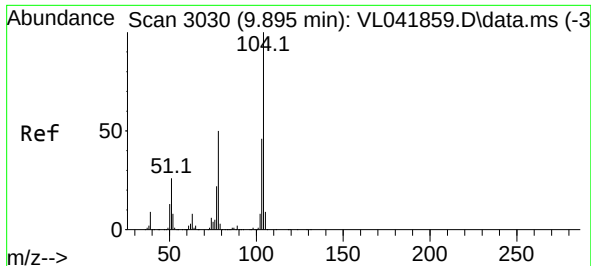
Tgt Ion: 91 Resp: 27871
Ion Ratio Lower Upper
91 100
106 77.5 0.0 0.0#



#60
o-Xylene
Concen: 0.447 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. -0.013 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion: 91 Resp: 24391
Ion Ratio Lower Upper
91 100
106 44.4 21.4 64.3

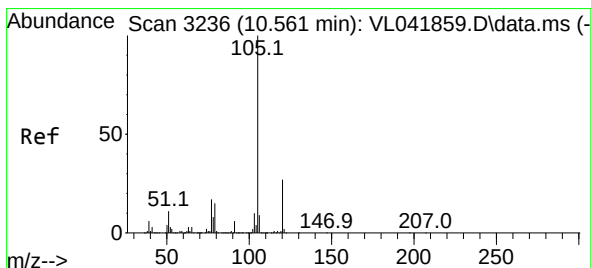
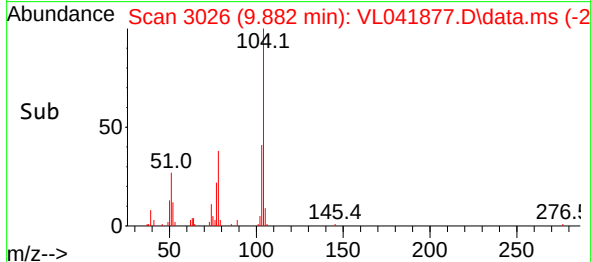
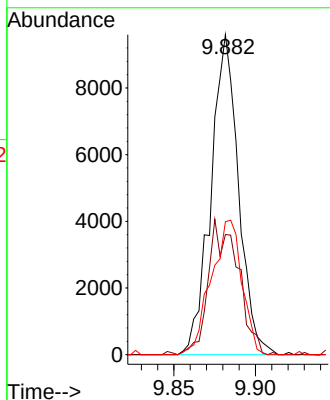
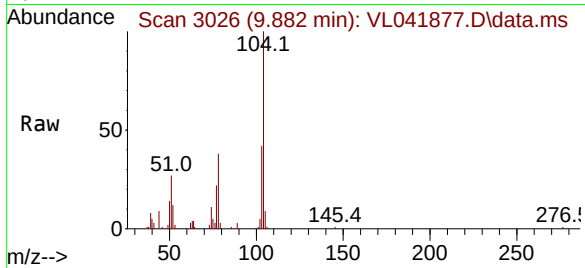




#61
Styrene
Concen: 0.416 ppbv
RT: 9.882 min Scan# 3030
Delta R.T. -0.013 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

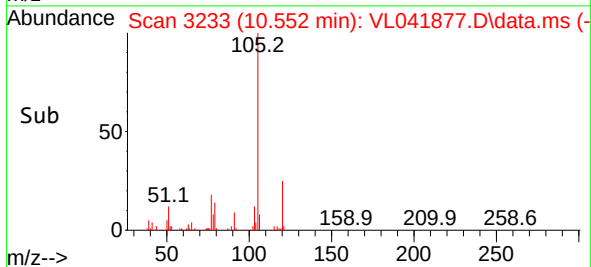
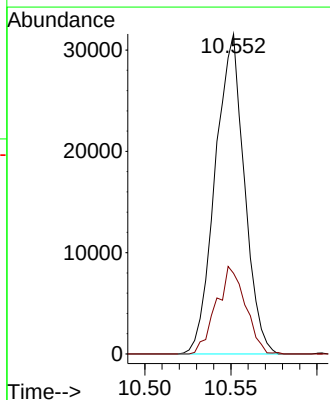
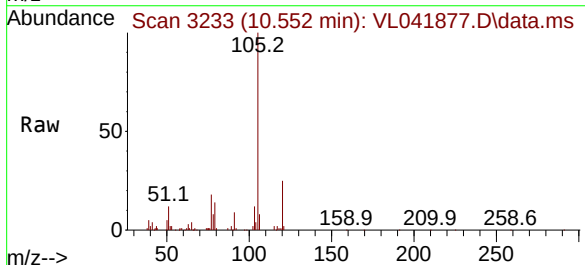
Instrument :
MSVOA_L
ClientSampleId :

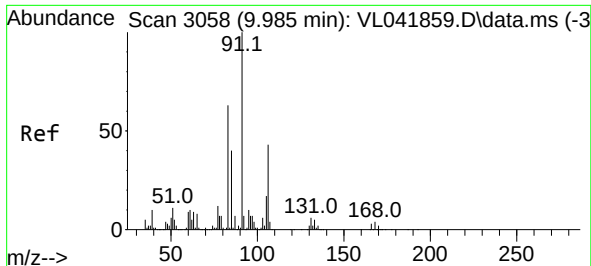
Tgt Ion:104 Resp: 11338
Ion Ratio Lower Upper
104 100
78 45.8 40.7 61.1
103 46.6 37.0 55.6



#62
Isopropylbenzene
Concen: 0.453 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.010 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion:105 Resp: 37184
Ion Ratio Lower Upper
105 100
120 27.4 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.460 ppbv

RT: 9.975 min Scan# 3055

Delta R.T. -0.010 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

ClientSampleId :

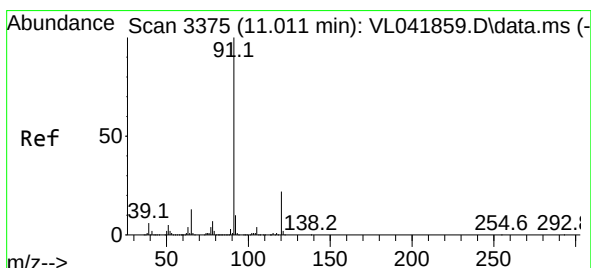
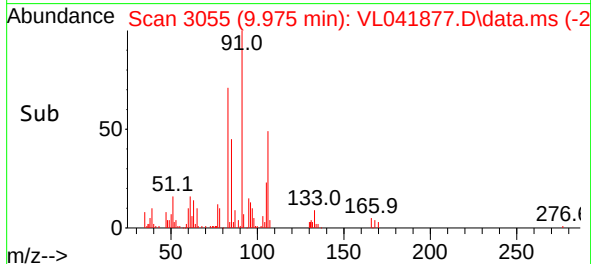
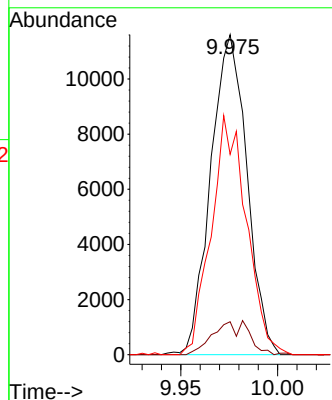
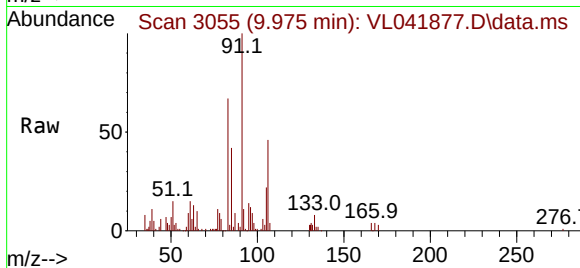
Tgt Ion: 83 Resp: 15075

Ion Ratio Lower Upper

83 100

131 10.5 4.8 14.3

85 72.9 32.1 96.3



#64

n-propylbenzene

Concen: 0.436 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. -0.013 min

Lab File: VL041877.D

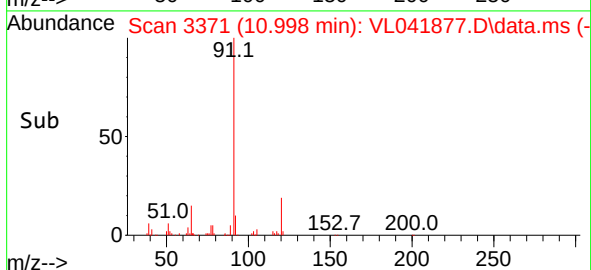
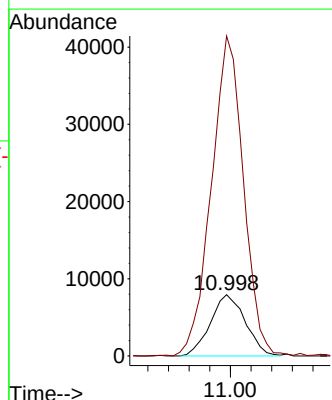
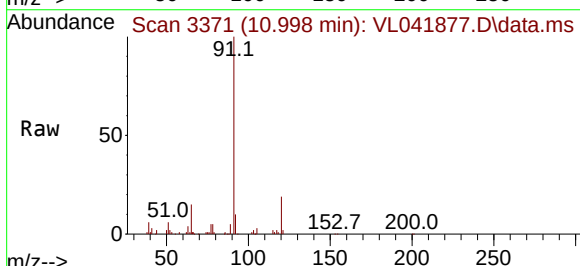
Acq: 09 Jan 2025 21:16

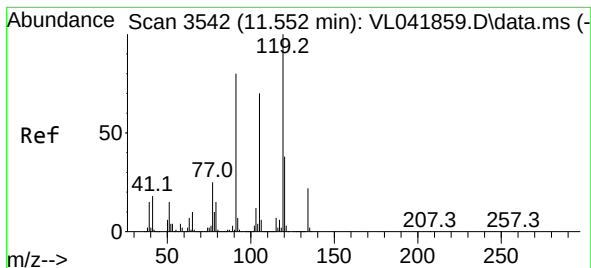
Tgt Ion: 120 Resp: 9322

Ion Ratio Lower Upper

120 100

91 481.9 376.9 565.3

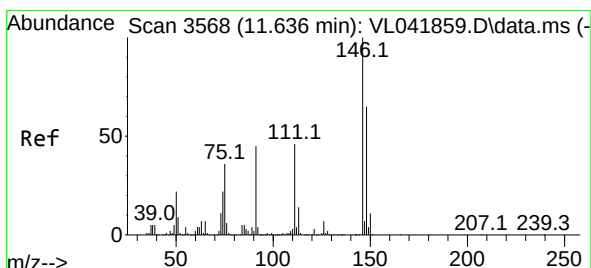
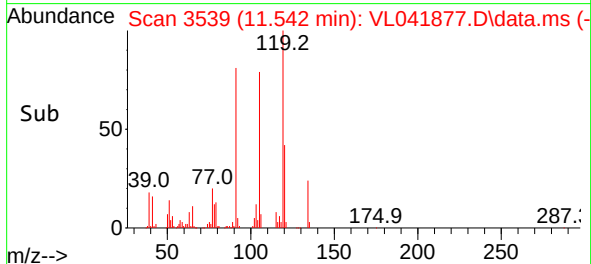
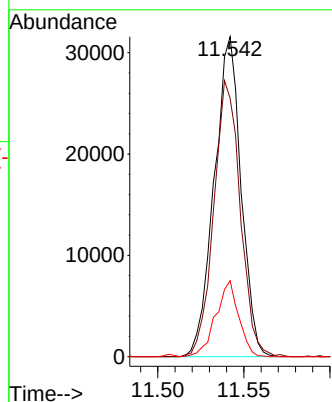
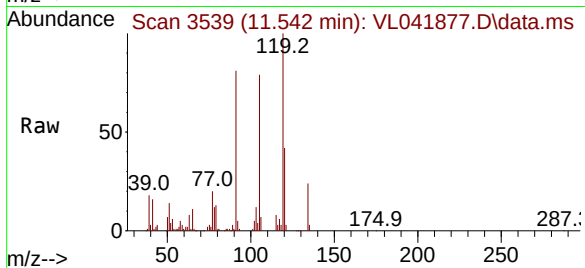




#65
 tert-Butylbenzene
 Concen: 0.461 ppbv
 RT: 11.542 min Scan# 3539
 Delta R.T. -0.010 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

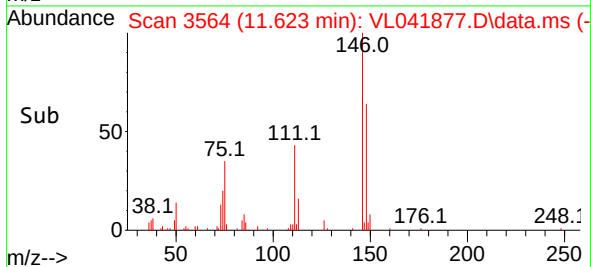
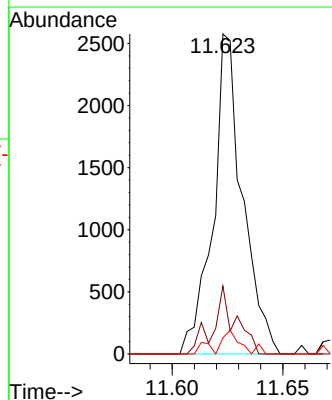
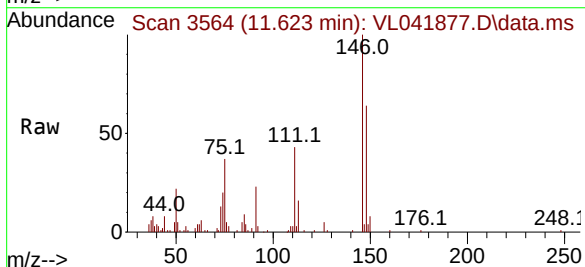
Instrument :
 MSVOA_L
 ClientSampleId :

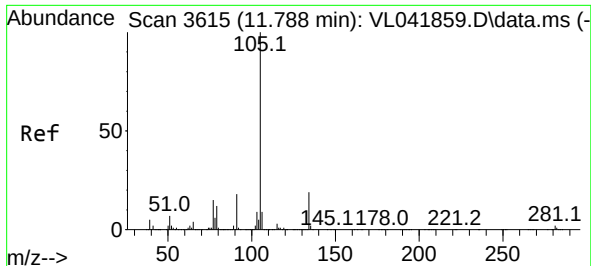
Tgt Ion:119 Resp: 34265
 Ion Ratio Lower Upper
 119 100
 91 85.0 64.6 97.0
 134 20.5 16.9 25.3



#66
 Benzyl Chloride
 Concen: 0.309 ppbv
 RT: 11.623 min Scan# 3564
 Delta R.T. -0.013 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

Tgt Ion: 91 Resp: 2375
 Ion Ratio Lower Upper
 91 100
 126 16.3 13.9 20.9
 128 6.1 4.8 7.2

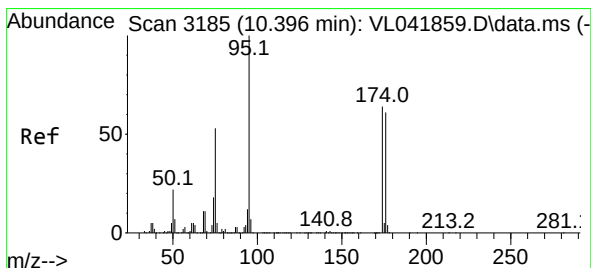
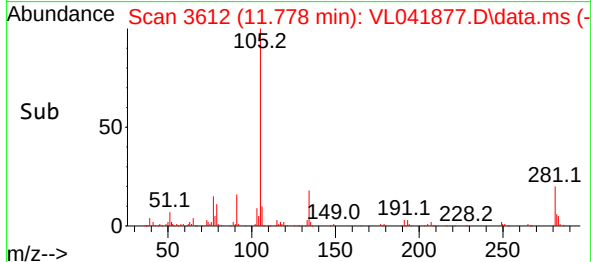
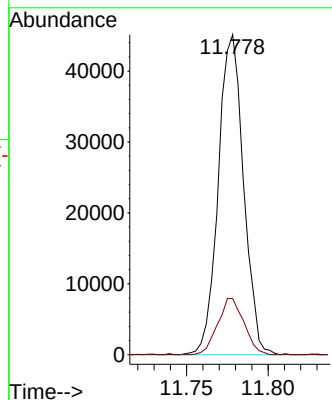
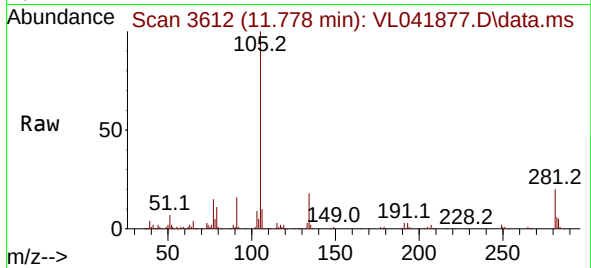




#67
 sec-Butylbenzene
 Concen: 0.475 ppbv
 RT: 11.778 min Scan# 30
 Delta R.T. -0.010 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

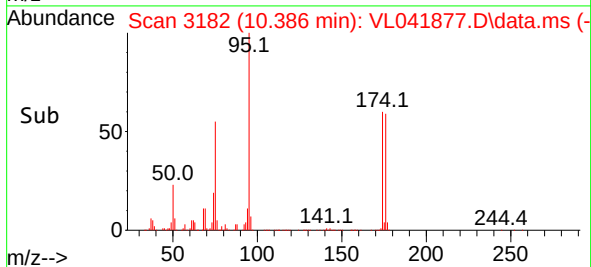
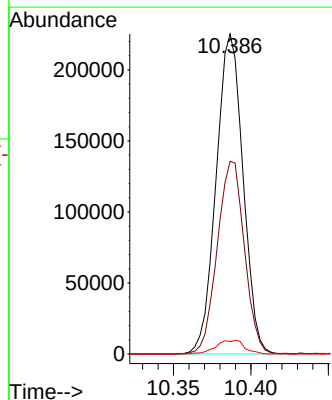
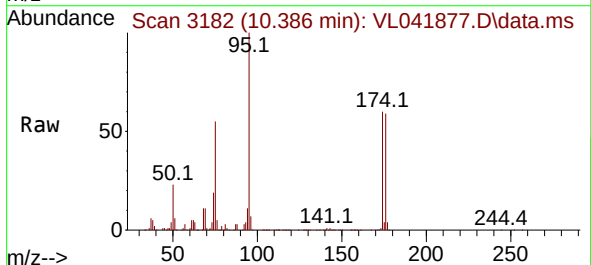
Instrument :
 MSVOA_L
 ClientSampleId :

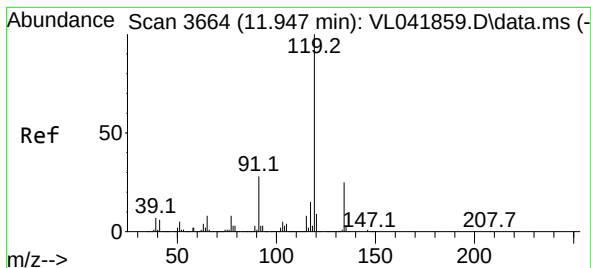
Tgt Ion:105 Resp: 48652
 Ion Ratio Lower Upper
 105 100
 134 18.3 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.075 ppbv
 RT: 10.386 min Scan# 3182
 Delta R.T. -0.010 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

Tgt Ion: 95 Resp: 271852
 Ion Ratio Lower Upper
 95 100
 174 60.8 51.1 76.7
 175 4.5 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.450 ppbv

RT: 11.937 min Scan# 30

Delta R.T. -0.010 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

ClientSampleId :

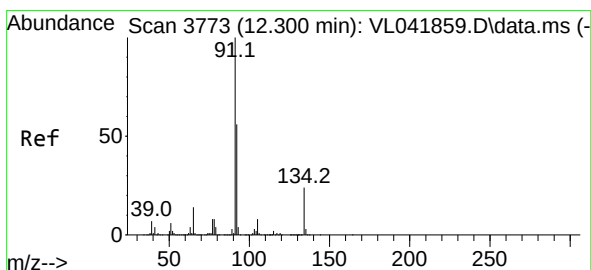
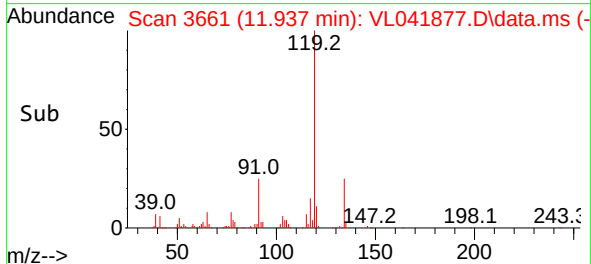
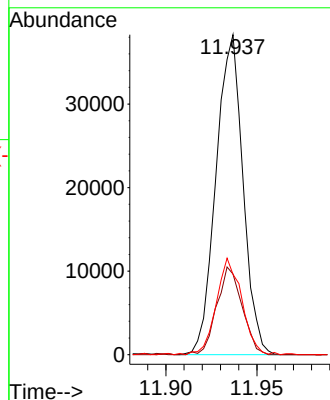
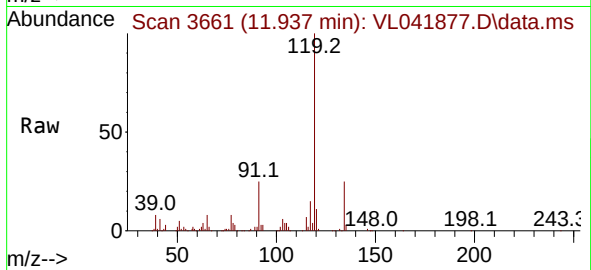
Tgt Ion:119 Resp: 39326

Ion Ratio Lower Upper

119 100

134 25.7 20.3 30.5

91 28.8 22.6 34.0



#70

n-Butylbenzene

Concen: 0.437 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. -0.007 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

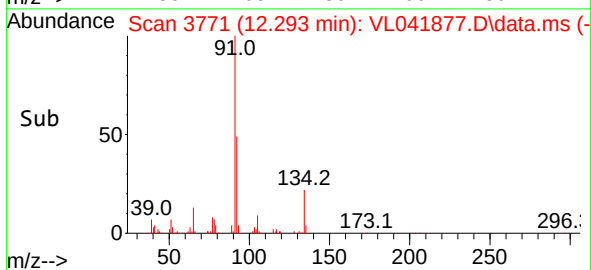
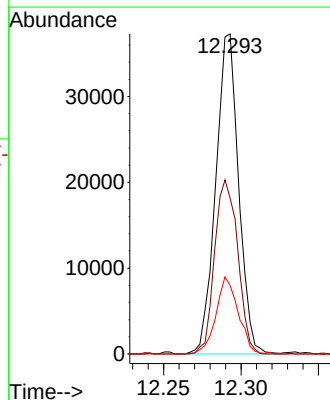
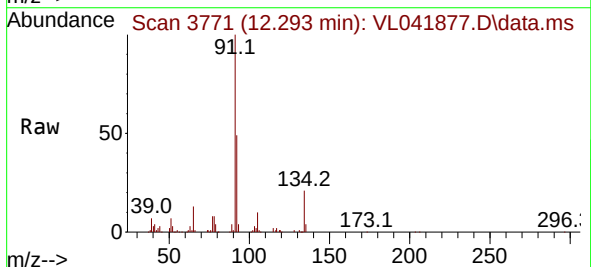
Tgt Ion: 91 Resp: 38289

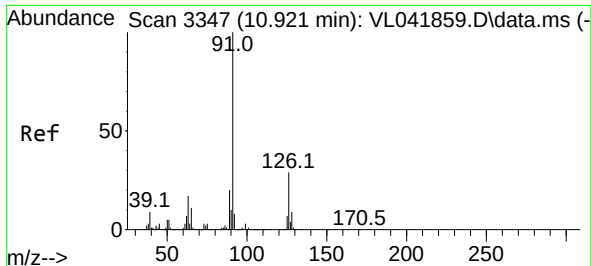
Ion Ratio Lower Upper

91 100

92 54.9 43.8 65.8

134 23.5 19.3 28.9

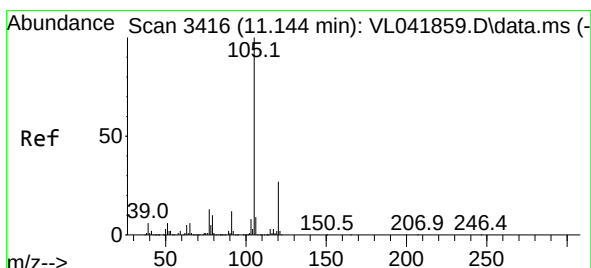
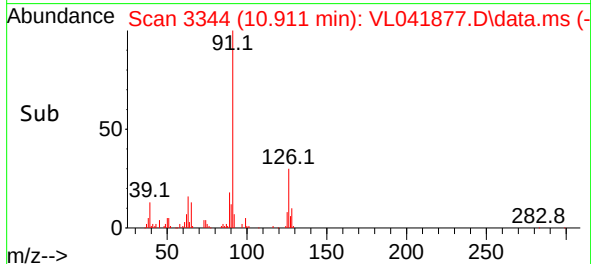
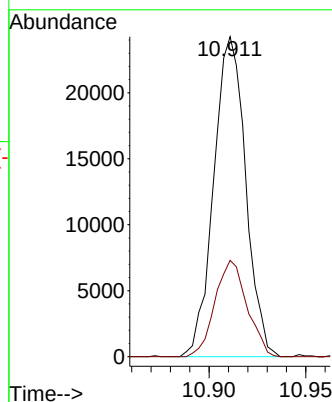
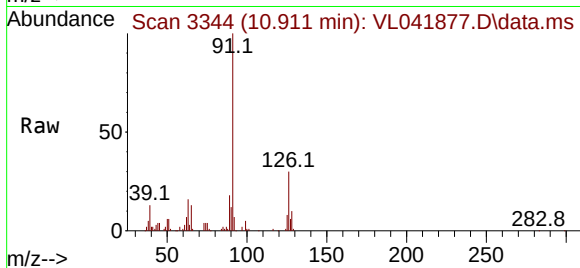




#71
2-Chlorotoluene
Concen: 0.438 ppbv
RT: 10.911 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

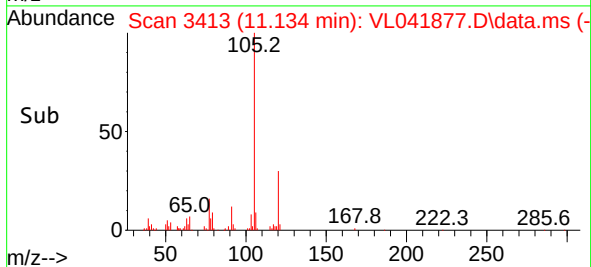
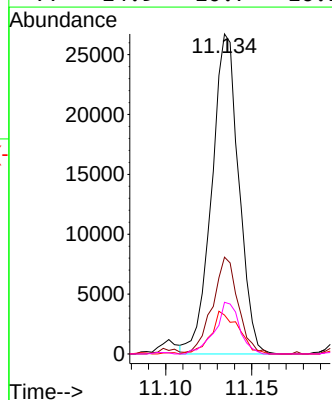
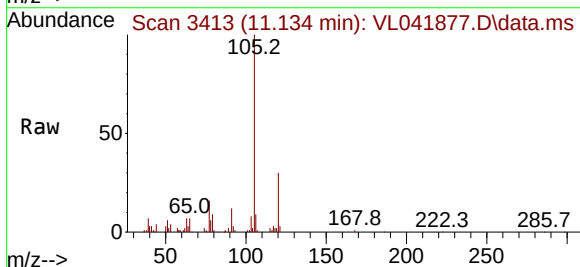
Instrument :
MSVOA_L
ClientSampleId :

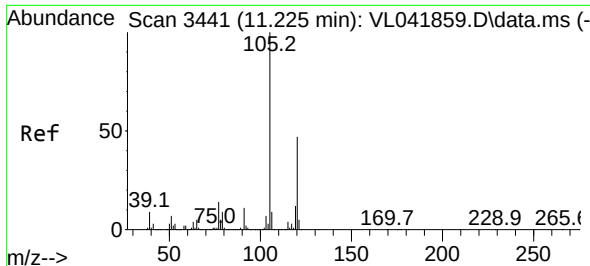
Tgt Ion: 91 Resp: 27864
Ion Ratio Lower Upper
91 100
126 30.1 11.6 46.6



#72
4-Ethyltoluene
Concen: 0.437 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. -0.010 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion:105 Resp: 29242
Ion Ratio Lower Upper
105 100
120 29.8 23.5 35.3
91 14.0 9.8 14.8
77 14.9 10.7 16.1

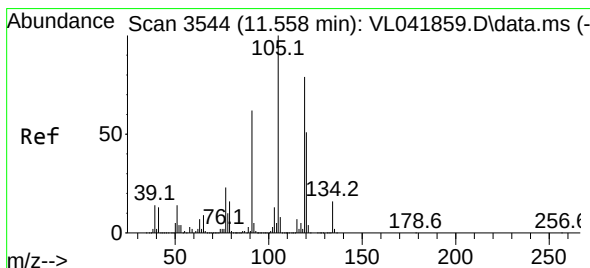
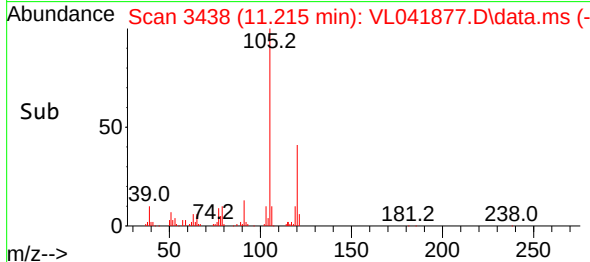
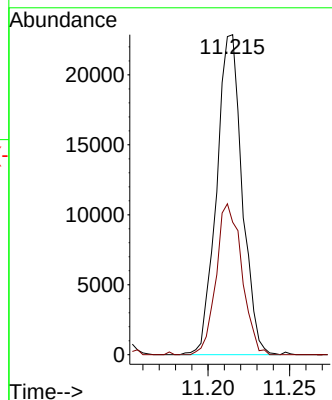
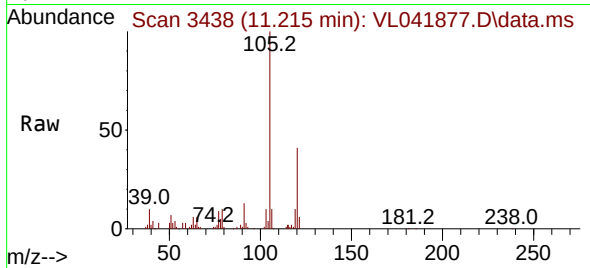




#73
 1,3,5-Trimethylbenzene
 Concen: 0.440 ppbv
 RT: 11.215 min Scan# 3441
 Delta R.T. -0.010 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

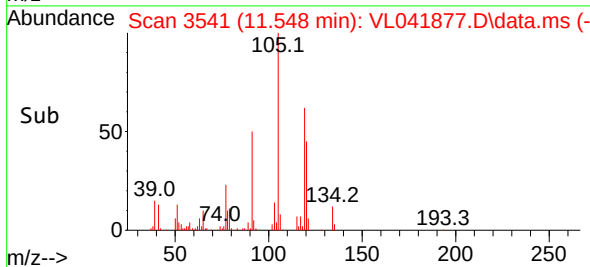
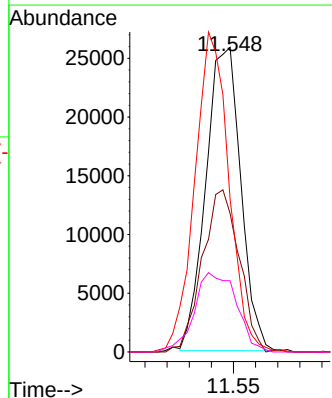
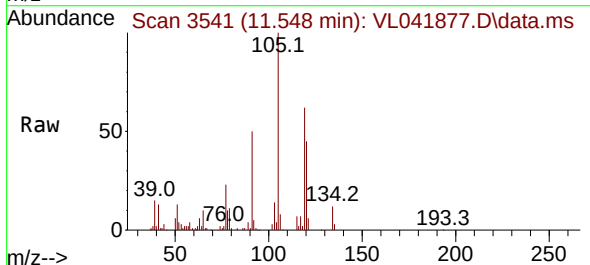
Instrument :
 MSVOA_L
 ClientSampleId :

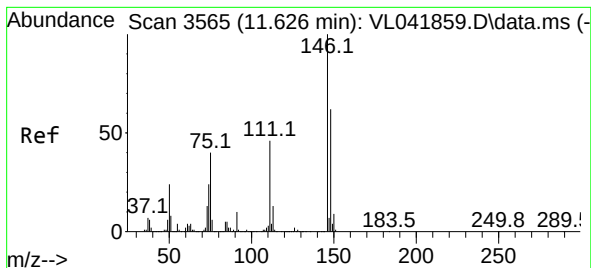
Tgt Ion:105 Resp: 24983
 Ion Ratio Lower Upper
 105 100
 120 41.4 37.2 55.8



#74
 1,2,4-Trimethylbenzene
 Concen: 0.460 ppbv
 RT: 11.548 min Scan# 3541
 Delta R.T. -0.010 min
 Lab File: VL041877.D
 Acq: 09 Jan 2025 21:16

Tgt Ion:105 Resp: 28377
 Ion Ratio Lower Upper
 105 100
 120 45.0 41.1 61.7
 91 49.4 50.0 75.0#
 77 23.5 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 0.489 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. -0.010 min

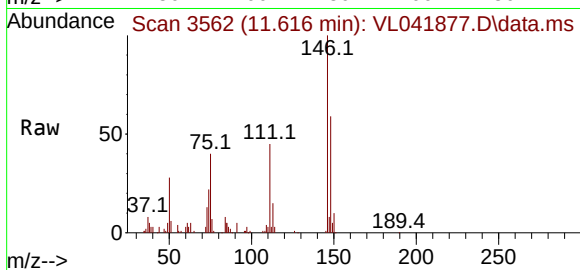
Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

ClientSampleId :



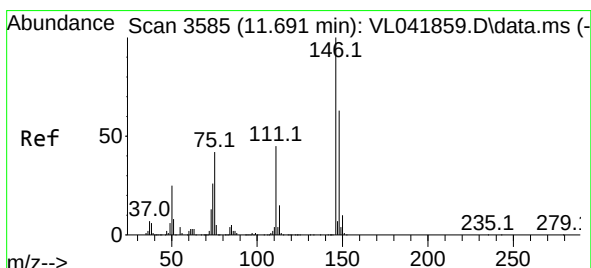
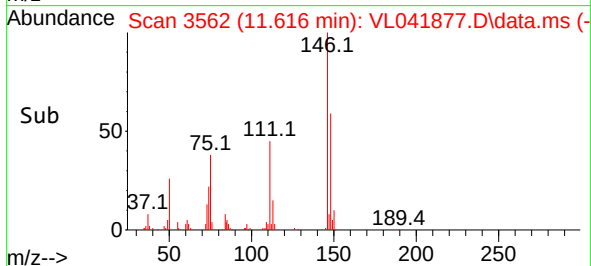
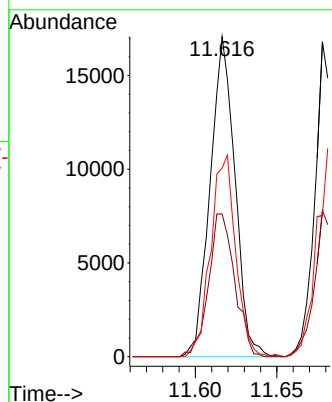
Tgt Ion:146 Resp: 18072

Ion Ratio Lower Upper

146 100

111 46.8 23.2 69.5

148 63.6 31.6 94.7



#76

1,4-Dichlorobenzene

Concen: 0.484 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. -0.013 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

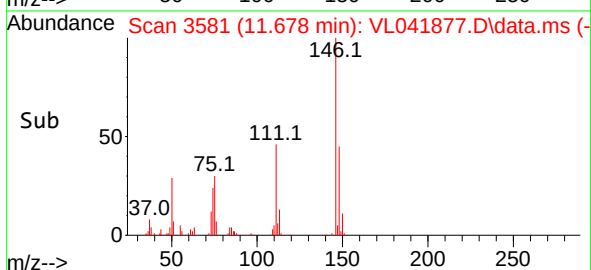
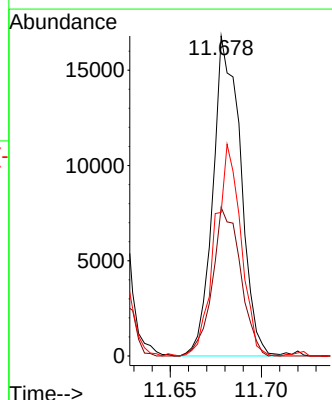
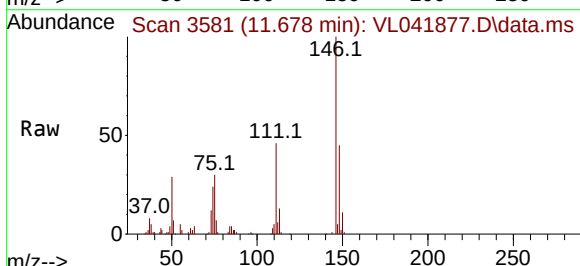
Tgt Ion:146 Resp: 17706

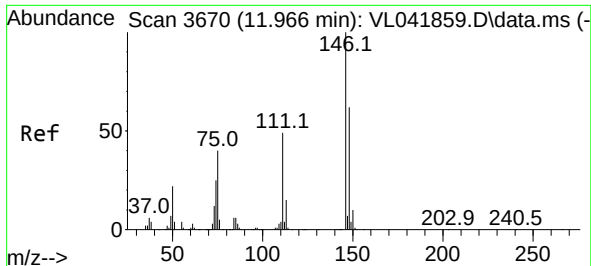
Ion Ratio Lower Upper

146 100

111 47.2 22.1 66.1

148 62.4 31.2 93.6

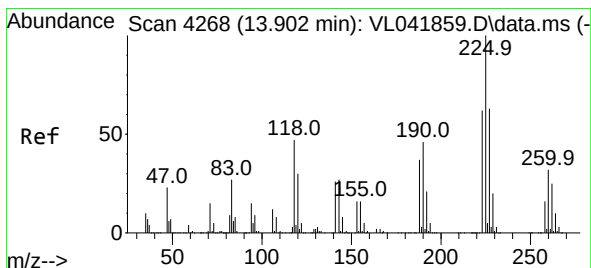
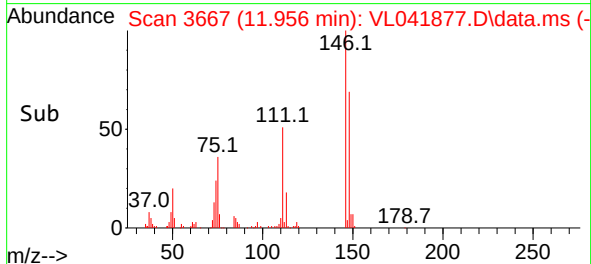
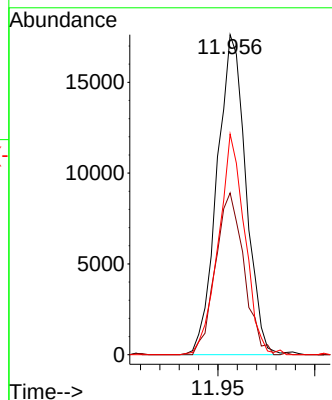
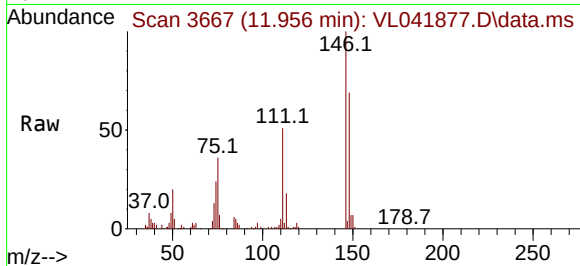




#77
1,2-Dichlorobenzene
Concen: 0.521 ppbv
RT: 11.956 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

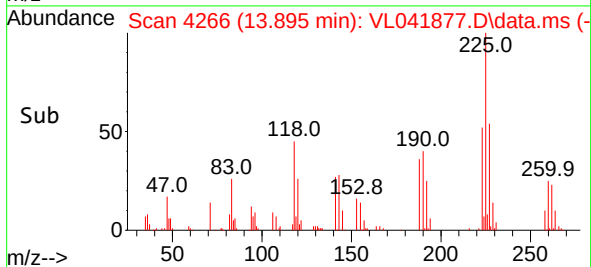
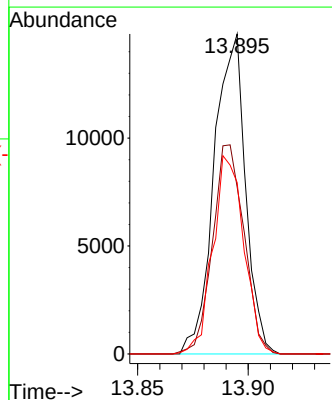
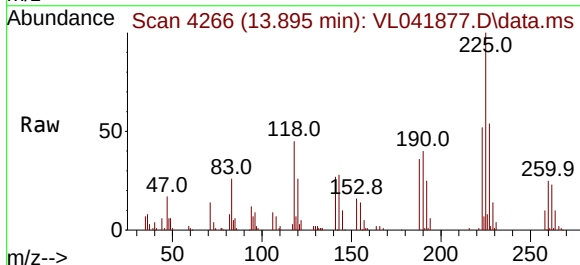
Instrument :
MSVOA_L
ClientSampleId :

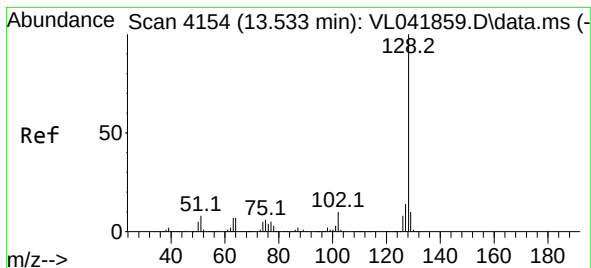
Tgt Ion:146 Resp: 18212
Ion Ratio Lower Upper
146 100
111 50.0 24.1 72.3
148 63.1 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 0.486 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. -0.007 min
Lab File: VL041877.D
Acq: 09 Jan 2025 21:16

Tgt Ion:225 Resp: 14604
Ion Ratio Lower Upper
225 100
223 65.9 50.6 75.8
227 61.4 50.9 76.3





#79

Naphthalene

Concen: 0.411 ppbv

RT: 13.523 min Scan# 4154

Delta R.T. -0.010 min

Lab File: VL041877.D

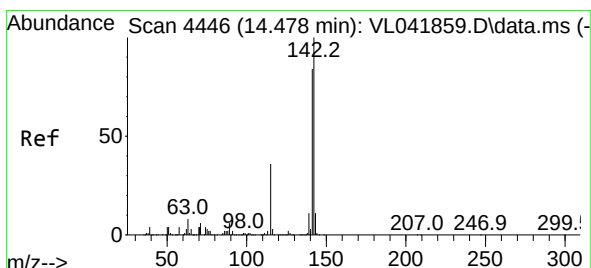
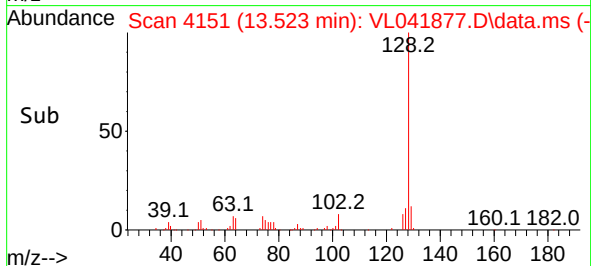
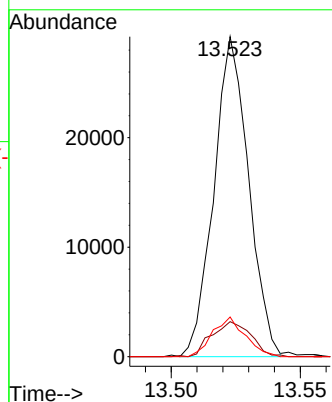
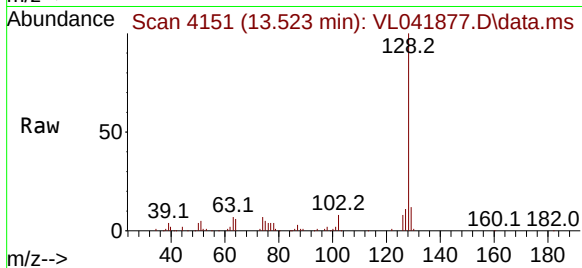
Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:128	Resp:	27332
Ion Ratio	Lower	Upper
128	100	
127	10.6	10.8 16.2#
129	12.4	8.2 12.4#



#80

Naphthalene,2-methyl-

Concen: 0.336 ppbv

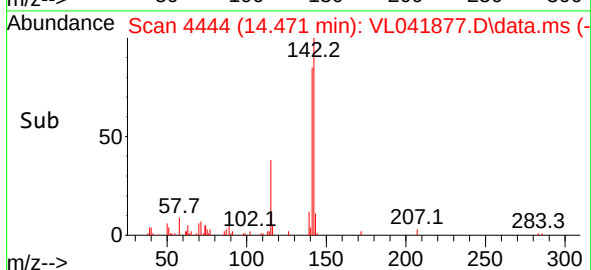
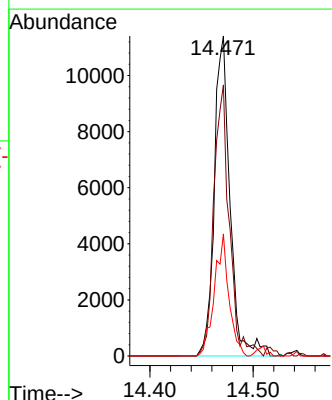
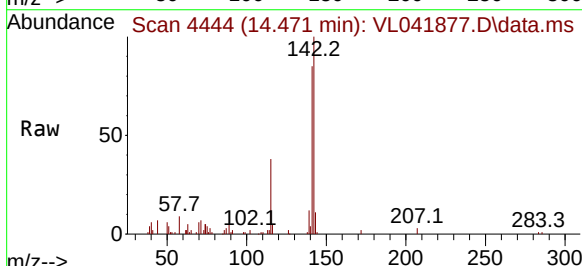
RT: 14.471 min Scan# 4444

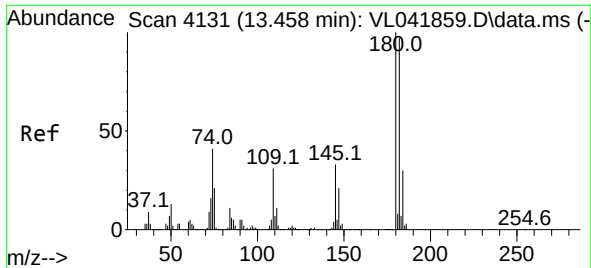
Delta R.T. -0.007 min

Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Tgt Ion:142	Resp:	12032
Ion Ratio	Lower	Upper
142	100	
141	84.9	68.2 102.4
115	37.0	29.4 44.2





#81

1,2,4-Trichlorobenzene

Concen: 0.448 ppbv

RT: 13.448 min Scan# 41

Delta R.T. -0.010 min

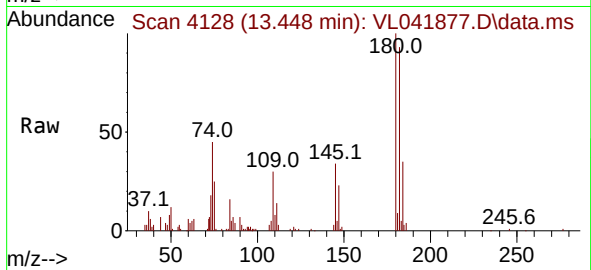
Lab File: VL041877.D

Acq: 09 Jan 2025 21:16

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 14159

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.8

184 35.0 24.1 36.1

