

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041948.D
 Acq On : 27 Jan 2025 13:05
 Operator : SY/MD
 Sample : Q1168-14 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 28 02:35:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	143717	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	400111	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	343866	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	264875	9.780	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	11532	0.589	ppbv	95
3) Chlorodifluoromethane	1.479	51	12028	0.587	ppbv	99
4) Chloromethane	1.538	50	4212	0.572	ppbv	92
5) Vinyl Chloride	1.586	62	4205	0.564	ppbv	95
6) Bromomethane	1.670	94	1904	0.536	ppbv #	80
7) Chloroethane	1.709	64	1865	0.643	ppbv #	88
8) Dichlorotetrafluoroethane	1.560	85	8792	0.514	ppbv	88
9) Propene	1.489	41	4873	0.577	ppbv	95
10) Heptane	5.001	43	5842	0.259	ppbv #	45
11) Trichlorofluoromethane	1.884	101	10561	0.519	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.149	101	9062	0.568	ppbv	98
13) Ethanol	1.729	45	381	0.616	ppbv #	31
14) Bromoethene	1.787	108	2957	0.506	ppbv #	93
15) Acetone	1.845	43	12074	0.699	ppbv	94
16) 1,3-Butadiene	1.612	39	4366	0.564	ppbv	96
17) tert-Butyl alcohol	2.052	59	10623	0.500	ppbv #	91
18) 1,1-Dichloroethene	2.043	96	3760	0.523	ppbv	81
19) Isopropyl Alcohol	1.894	45	6978	0.682	ppbv #	32
20) Methylene Chloride	2.068	84	4488	0.658	ppbv #	80
21) Allyl Chloride	2.104	41	6128	0.513	ppbv #	84
22) trans-1,2-Dichloroethene	2.043	96	3760	0.463	ppbv	95
23) Vinyl Acetate	2.473	43	5081	0.594	ppbv #	82
24) 1,1-Dichloroethane	2.418	63	9332	0.594	ppbv	95
25) Ethyl Acetate	2.852	43	24423	0.525	ppbv	99
26) Hexane	2.836	57	9025	0.490	ppbv #	82
27) Carbon Disulfide	2.159	76	9531	0.523	ppbv #	32
28) Methyl tert-Butyl Ether	2.454	73	6211	0.441	ppbv	96
29) Chloroform	2.861	83	15948	0.548	ppbv	97
30) Cyclohexane	3.875	84	7250	0.454	ppbv	95
31) cis-1,2-Dichloroethene	2.732	61	10369	0.535	ppbv	97
32) 1,1,1-Trichloroethane	3.383	97	14275	0.513	ppbv	96
34) 2-Butanone	2.573	43	16425	0.646	ppbv	99
35) Carbon Tetrachloride	3.777	117	13934	0.554	ppbv	96
36) Benzene	3.674	78	19789	0.539	ppbv #	91
37) 1,2-Dichloroethane	3.234	62	12734	0.618	ppbv	98
38) Trichloroethene	4.567	130	6683	0.459	ppbv	95
39) 1,2-Dichloropropane	4.334	63	7285	0.566	ppbv	92
40) 1,4-Dioxane	4.622	88	1329	0.204	ppbv #	11
41) Tetrahydrofuran	3.082	42	7516	0.544	ppbv	98
42) Bromodichloromethane	4.509	83	15063	0.545	ppbv	94
43) Methyl Methacrylate	4.901	69	2176	0.160	ppbv #	1
44) 2,2,4-Trimethylpentane	4.664	57	30655	0.516	ppbv	94
45) t-1,3-Dichloropropene	6.441	75	3698	0.290	ppbv #	85

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 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

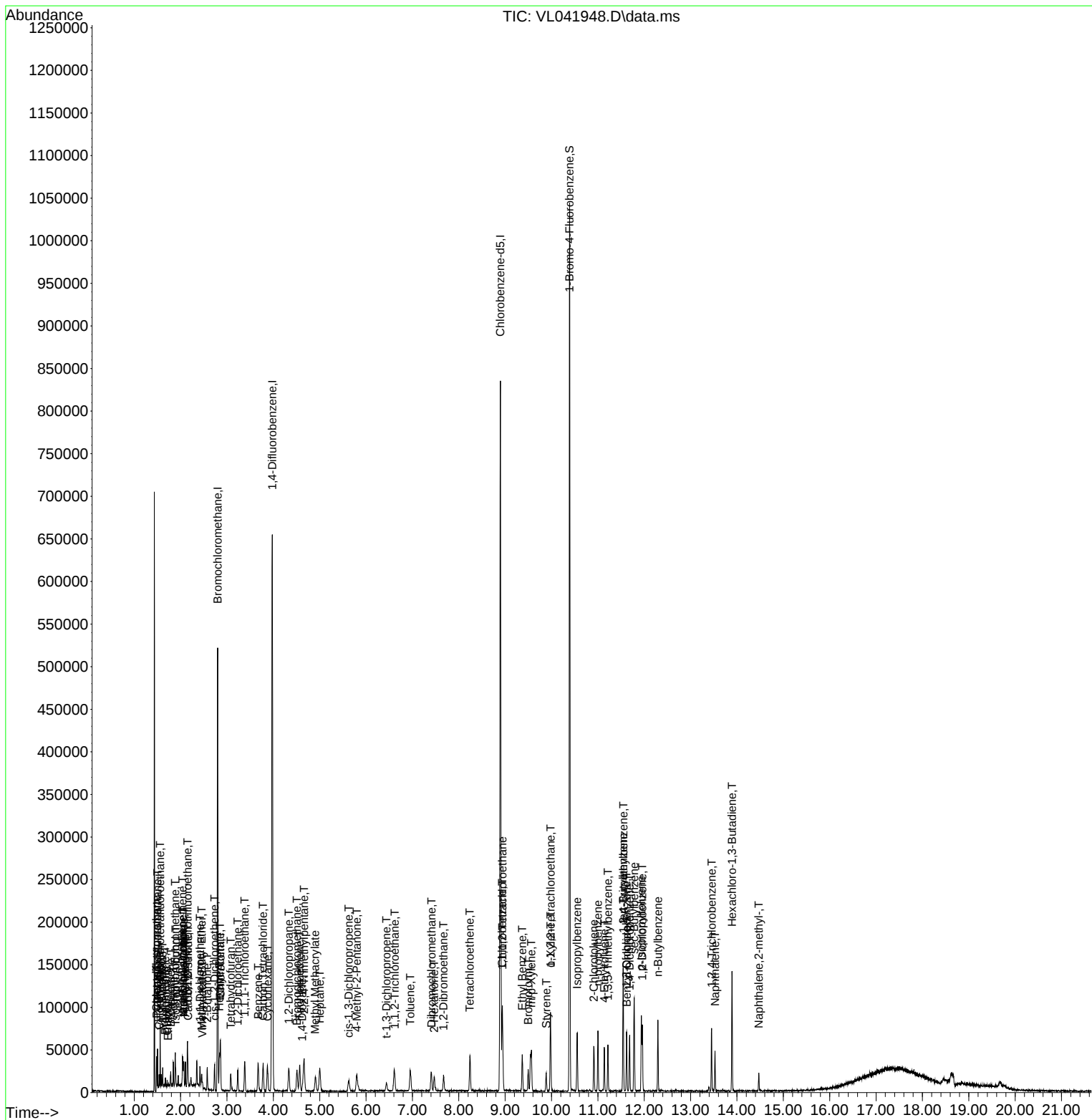
Instrument :
 MSVOA_L
 ClientSampleId :

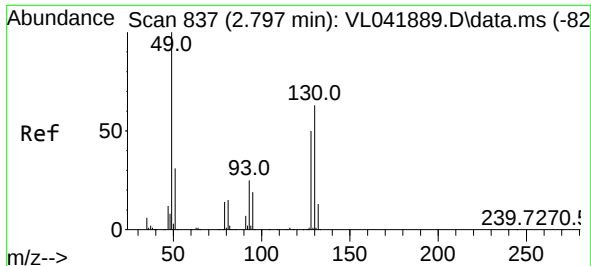
Quant Time: Jan 28 02:35:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.626	75	3554	0.212	ppbv	#	31
47) 1,1,2-Trichloroethane	6.619	97	2315	0.170	ppbv		94
48) Dibromochloromethane	7.409	129	11366	0.540	ppbv		94
49) Bromoform	9.497	173	7903	0.457	ppbv		98
50) 4-Methyl-2-Pentanone	5.800	43	11725	0.338	ppbv	#	73
51) 2-Hexanone	7.467	43	6168	0.231	ppbv	#	27
52) Tetrachloroethene	8.238	164	6982	0.549	ppbv		86
53) Toluene	6.953	91	17686	0.442	ppbv		93
54) 1,2-Dibromoethane	7.671	107	9762	0.520	ppbv		87
56) 1,1,1,2-Tetrachloroethane	8.943	131	9768	0.569	ppbv	#	1
57) Chlorobenzene	8.937	112	20248	0.638	ppbv	#	90
58) Ethyl Benzene	9.367	91	21087	0.392	ppbv		96
59) m/p-Xylene	9.561	91	15954	0.370	ppbv	#	2
60) o-Xylene	9.979	91	17992	0.421	ppbv		96
61) Styrene	9.888	104	6941	0.362	ppbv		89
62) Isopropylbenzene	10.552	105	30211	0.457	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.979	83	16675	0.610	ppbv		96
64) n-propylbenzene	11.002	120	7183	0.430	ppbv		84
65) tert-Butylbenzene	11.545	119	27122	0.450	ppbv		98
66) Benzyl Chloride	11.626	91	1689	0.453	ppbv	#	89
67) sec-Butylbenzene	11.782	105	37929	0.457	ppbv		96
69) p-Isopropyltoluene	11.937	119	28553	0.418	ppbv		97
70) n-Butylbenzene	12.296	91	27980	0.413	ppbv		99
71) 2-Chlorotoluene	10.911	91	21435	0.438	ppbv		100
72) 4-Ethyltoluene	11.138	105	20501	0.401	ppbv		96
73) 1,3,5-Trimethylbenzene	11.215	105	19241	0.426	ppbv		99
74) 1,2,4-Trimethylbenzene	11.549	105	22706	0.464	ppbv		95
75) 1,3-Dichlorobenzene	11.617	146	16524	0.570	ppbv		99
76) 1,4-Dichlorobenzene	11.685	146	15923	0.562	ppbv		98
77) 1,2-Dichlorobenzene	11.960	146	17275	0.601	ppbv		97
78) Hexachloro-1,3-Butadiene	13.892	225	14095	0.598	ppbv		99
79) Naphthalene	13.526	128	21208	0.431	ppbv	#	96
80) Naphthalene,2-methyl-	14.471	142	6592	0.282	ppbv		97
81) 1,2,4-Trichlorobenzene	13.455	180	11777	0.490	ppbv		97

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

Quant Time: Jan 28 02:35:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
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QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

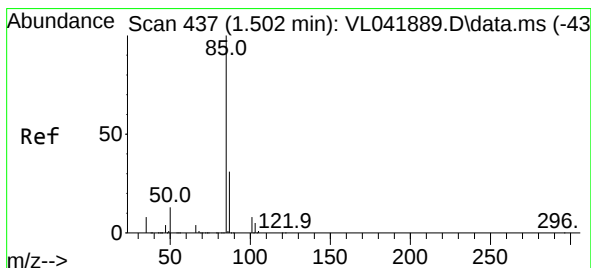
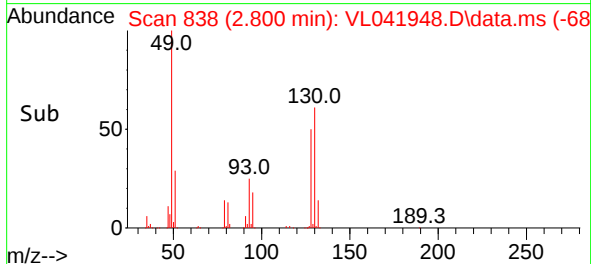
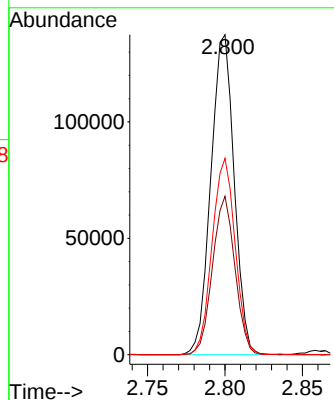
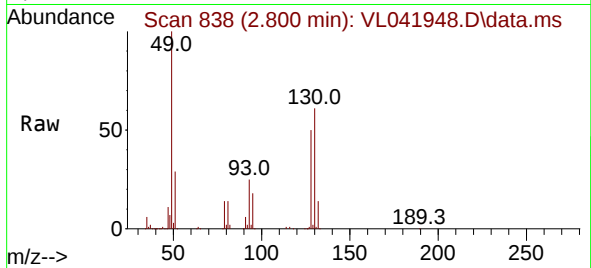




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 837
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

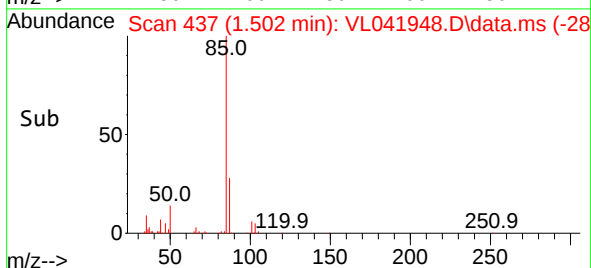
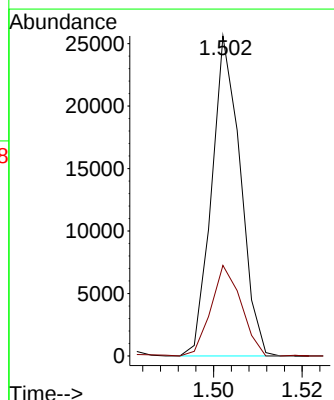
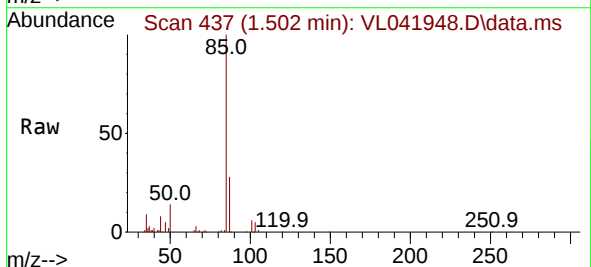
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MSVOA_L
ClientSampleId :

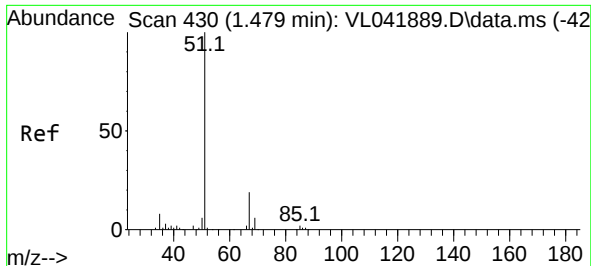
Tgt Ion: 49 Resp: 143717
Ion Ratio Lower Upper
49 100
128 47.7 24.3 73.0
130 60.9 31.1 93.2



#2
Dichlorodifluoromethane
Concen: 0.589 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 85 Resp: 11532
Ion Ratio Lower Upper
85 100
87 28.3 24.9 37.3

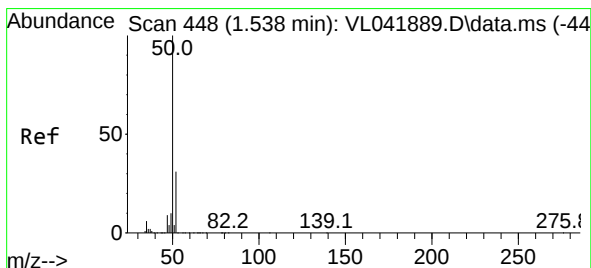
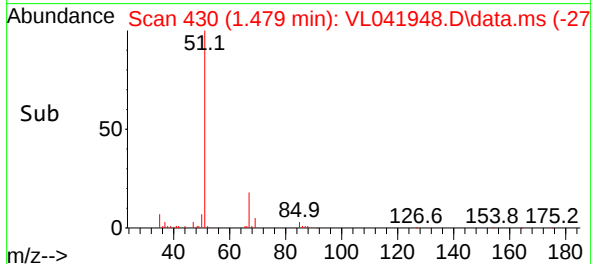
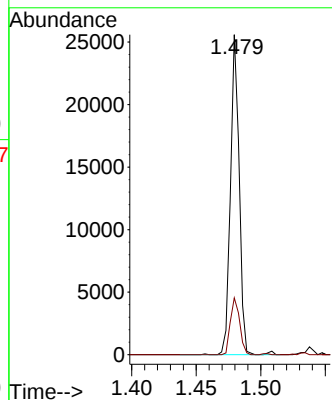
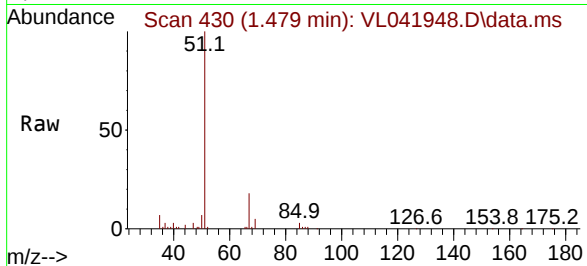




#3
Chlorodifluoromethane
Concen: 0.587 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

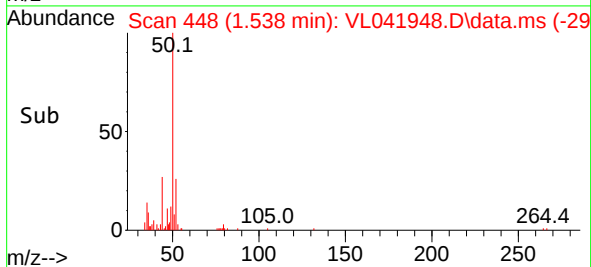
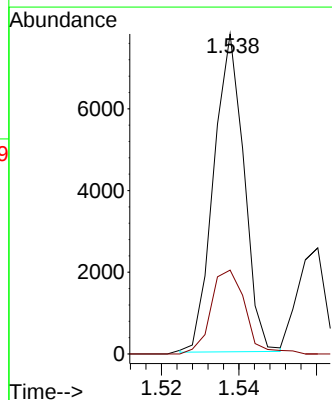
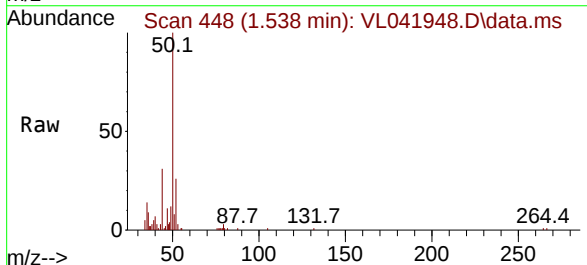
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ClientSampleId :

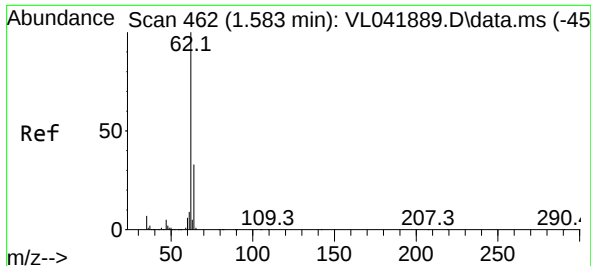
Tgt Ion: 51 Resp: 12028
Ion Ratio Lower Upper
51 100
67 19.1 15.0 22.4



#4
Chloromethane
Concen: 0.572 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 50 Resp: 4212
Ion Ratio Lower Upper
50 100
52 26.5 24.6 36.8

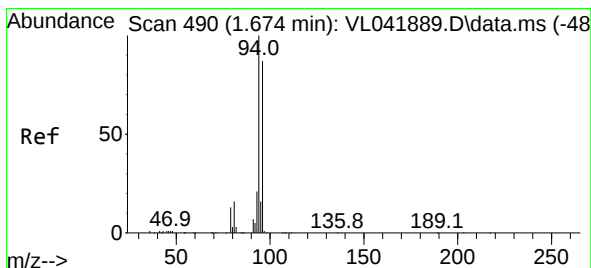
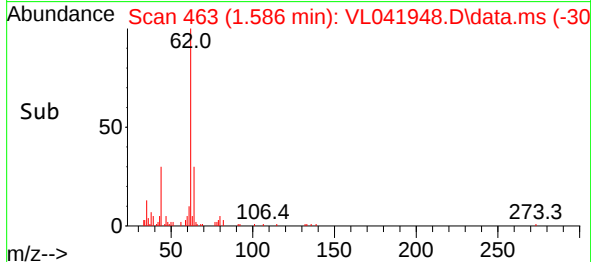
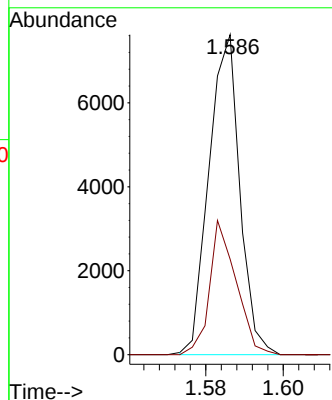
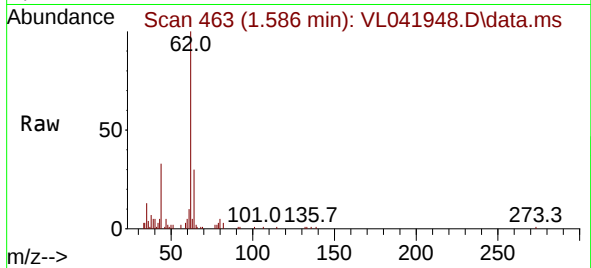




#5
 Vinyl Chloride
 Concen: 0.564 ppbv
 RT: 1.586 min Scan# 463
 Delta R.T. 0.003 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

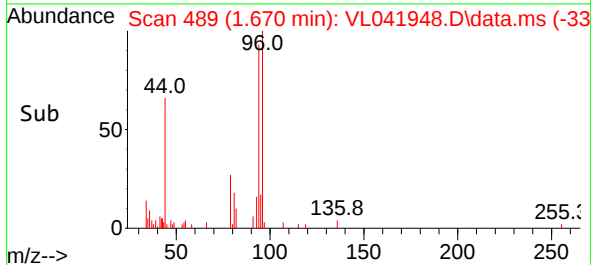
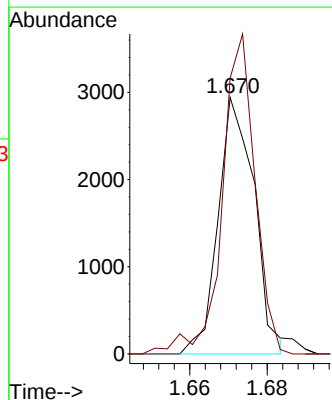
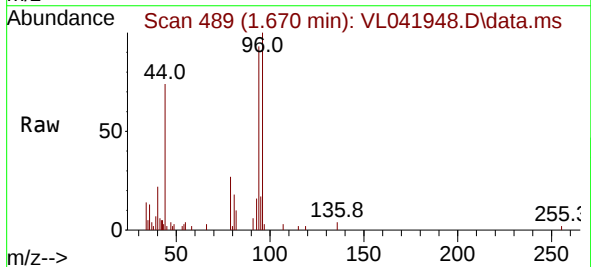
Instrument :
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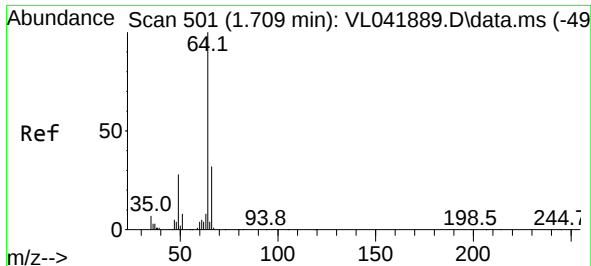
Tgt Ion: 62 Resp: 4205
 Ion Ratio Lower Upper
 62 100
 64 29.8 26.1 39.1



#6
 Bromomethane
 Concen: 0.536 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

Tgt Ion: 94 Resp: 1904
 Ion Ratio Lower Upper
 94 100
 96 105.8 69.5 104.3#

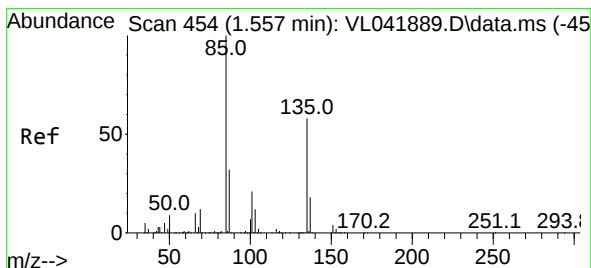
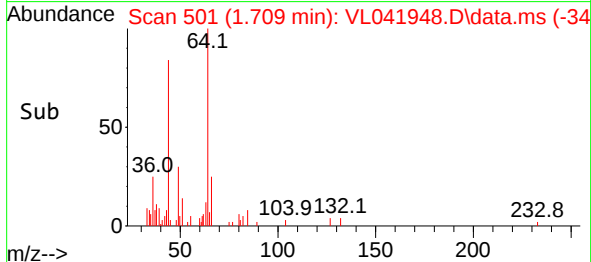
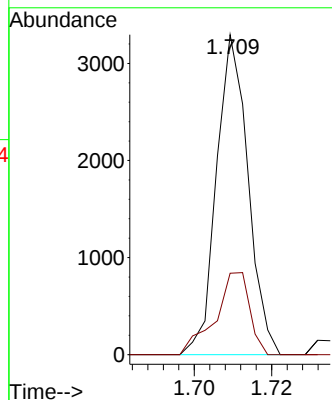
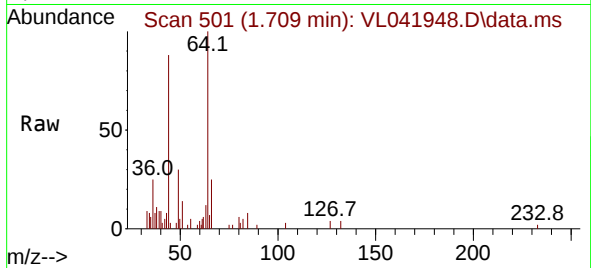




#7
Chloroethane
Concen: 0.643 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

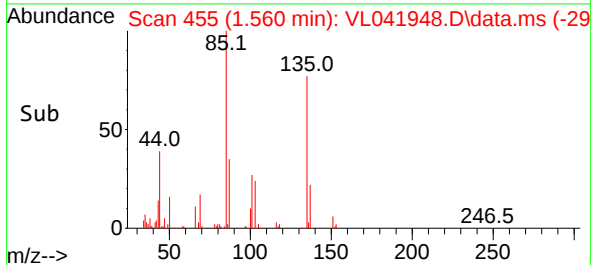
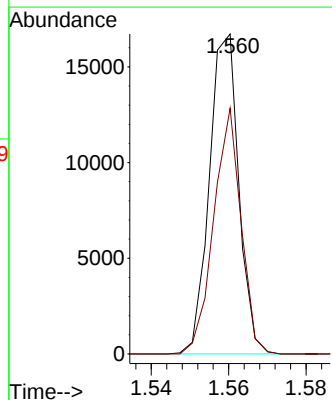
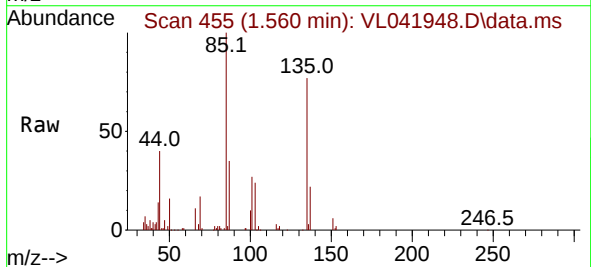
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ClientSampleId :

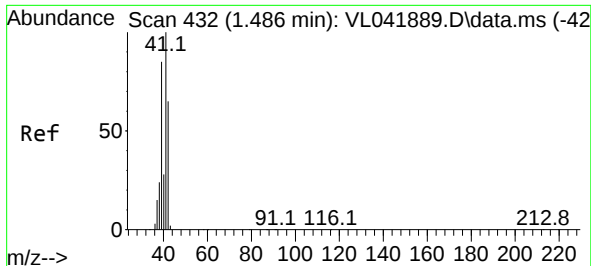
Tgt Ion: 64 Resp: 1865
Ion Ratio Lower Upper
64 100
66 25.5 25.7 38.5#



#8
Dichlorotetrafluoroethane
Concen: 0.514 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 85 Resp: 8792
Ion Ratio Lower Upper
85 100
135 71.5 50.0 75.0

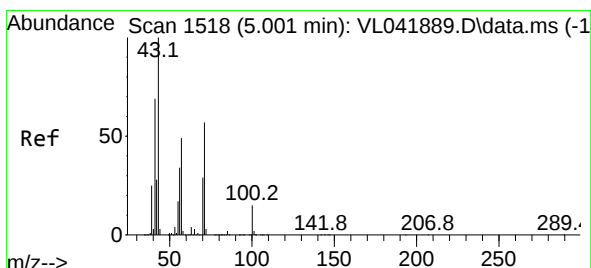
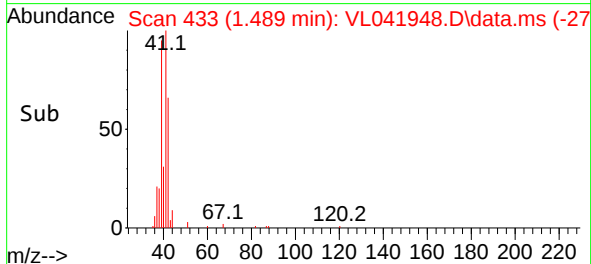
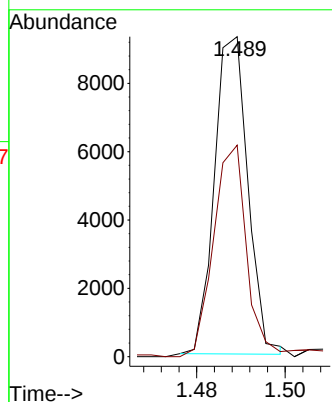
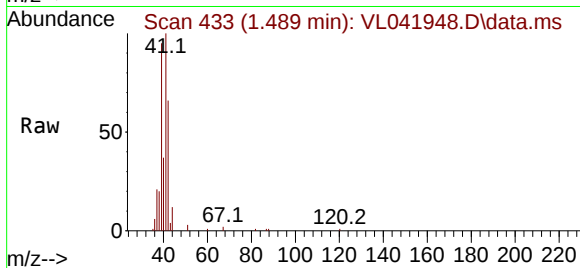




#9
Propene
Concen: 0.577 ppbv
RT: 1.489 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

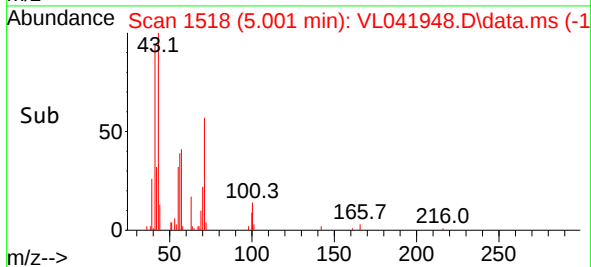
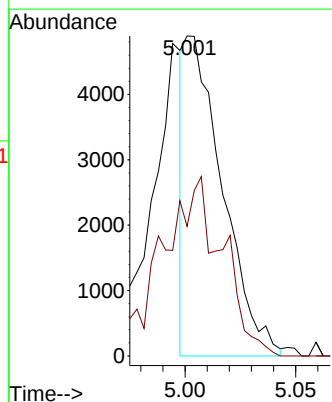
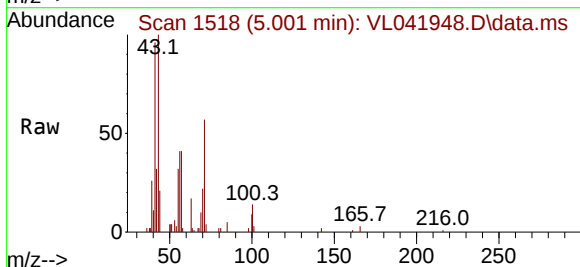
Instrument :
MSVOA_L
ClientSampleId :

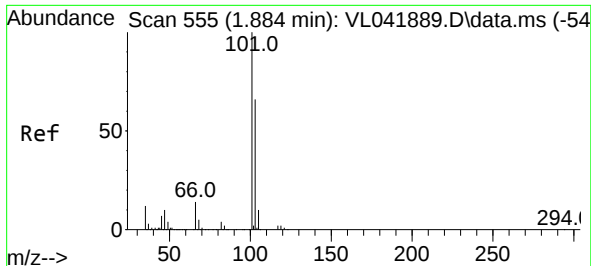
Tgt Ion: 41 Resp: 4873
Ion Ratio Lower Upper
41 100
42 68.8 52.0 78.0



#10
Heptane
Concen: 0.259 ppbv
RT: 5.001 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 43 Resp: 5842
Ion Ratio Lower Upper
43 100
57 89.6 41.0 61.4#

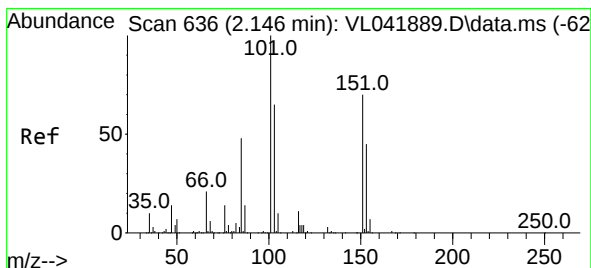
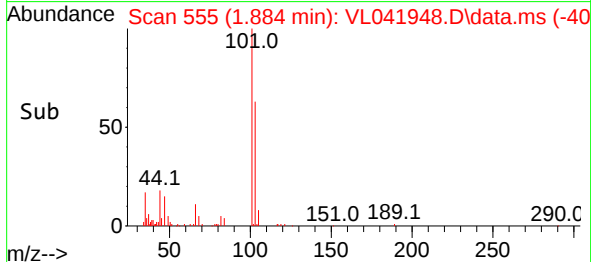
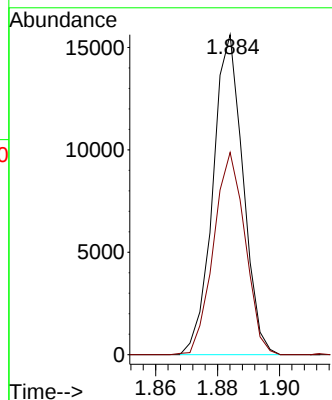
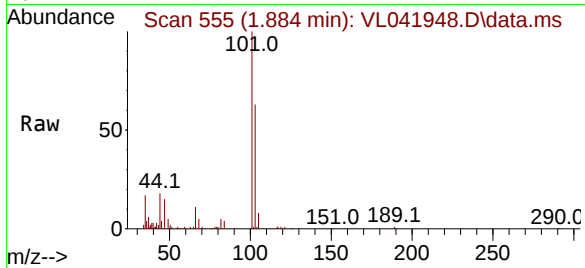




#11
 Trichlorofluoromethane
 Concen: 0.519 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

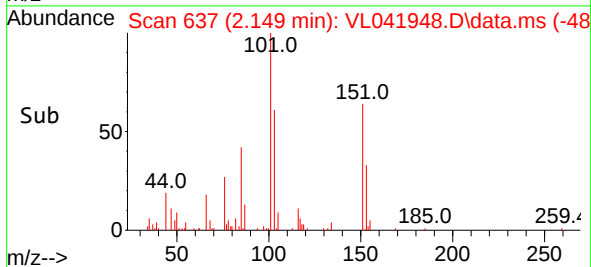
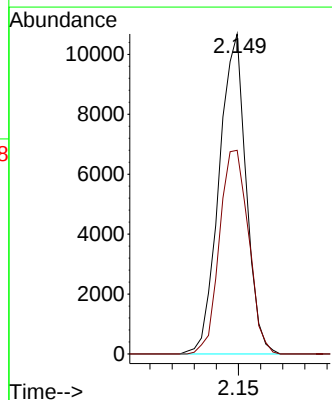
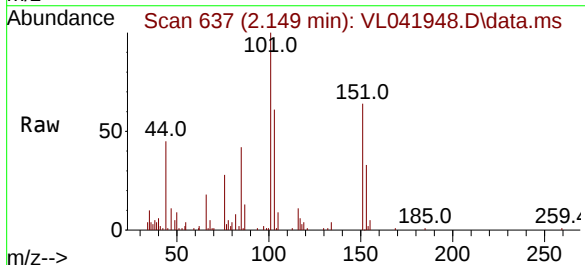
Instrument :
 MSVOA_L
 ClientSampleId :

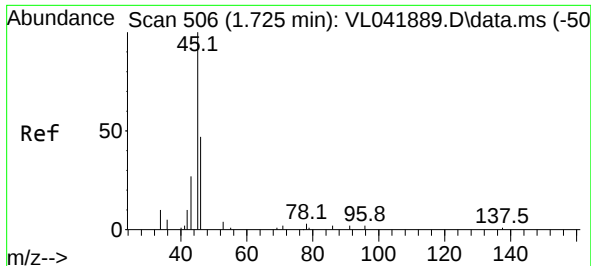
Tgt Ion:101 Resp: 10561
 Ion Ratio Lower Upper
 101 100
 103 63.2 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.568 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.003 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

Tgt Ion:101 Resp: 9062
 Ion Ratio Lower Upper
 101 100
 151 68.5 56.1 84.1

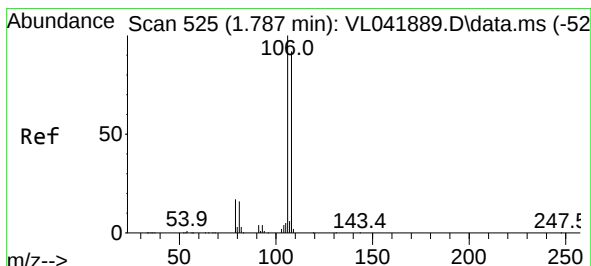
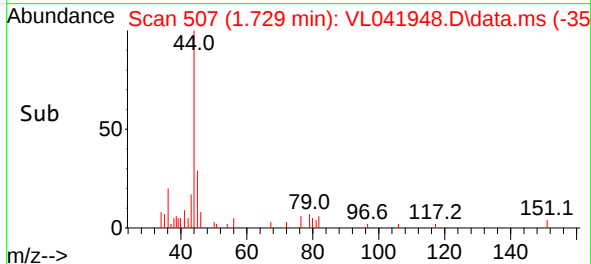
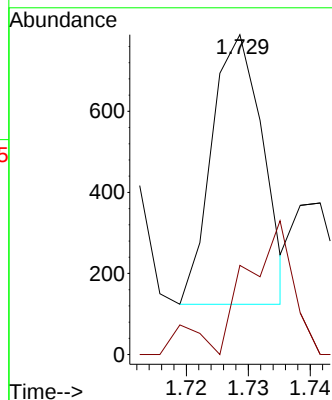
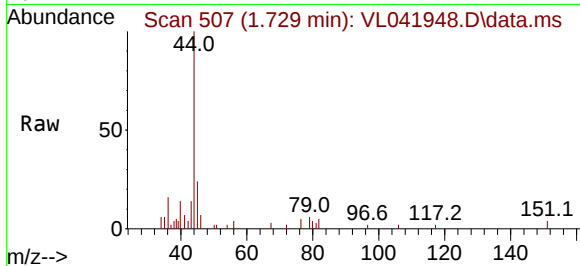




#13
Ethanol
Concen: 0.616 ppbv
RT: 1.729 min Scan# 506
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

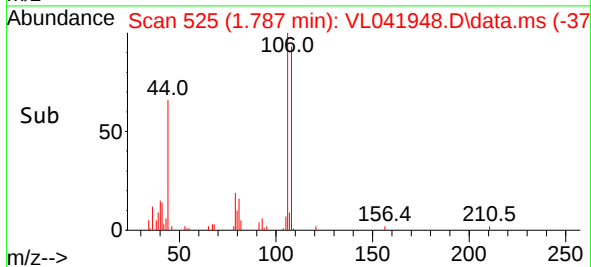
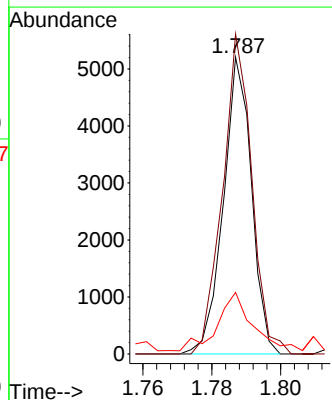
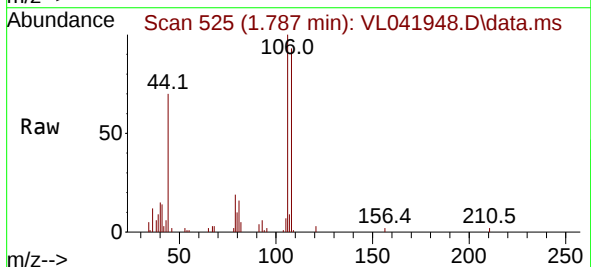
Instrument :
MSVOA_L
ClientSampleId :

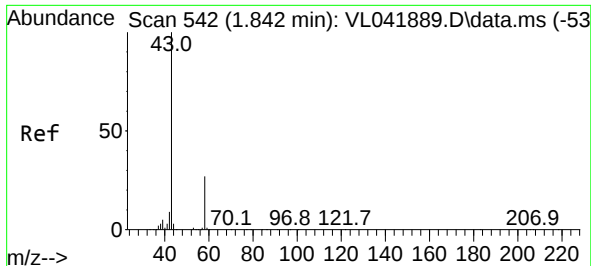
Tgt Ion: 45 Resp: 381
Ion Ratio Lower Upper
45 100
46 0.0 18.1 72.5#



#14
Bromoethene
Concen: 0.506 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 108 Resp: 2957
Ion Ratio Lower Upper
108 100
106 112.0 85.5 128.3
79 28.7 15.3 22.9#

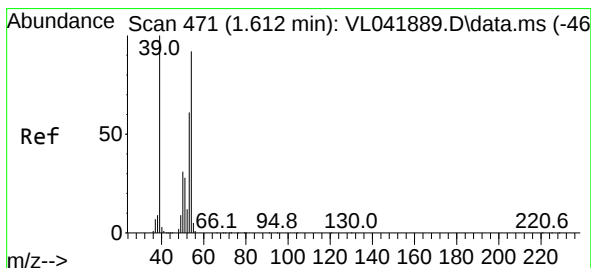
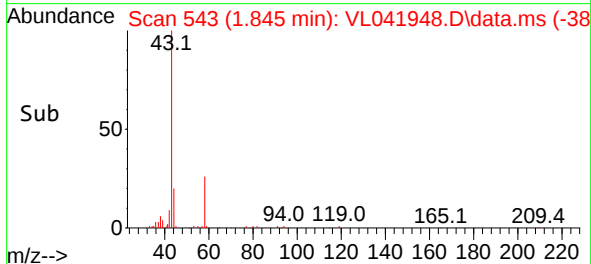
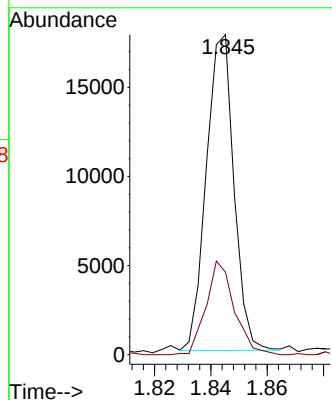
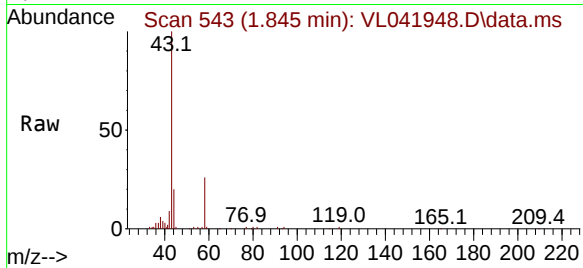




#15
Acetone
Concen: 0.699 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

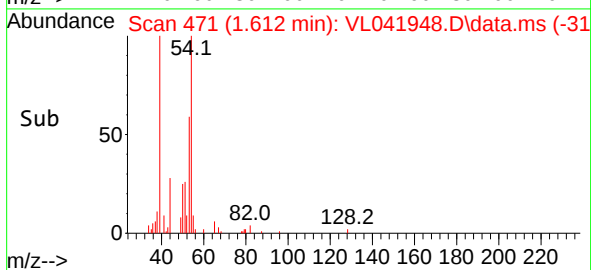
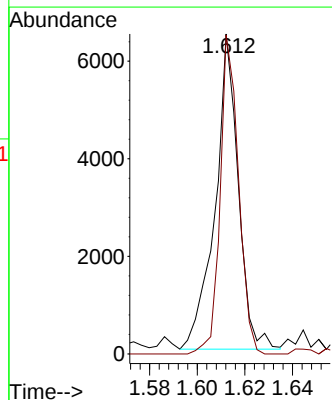
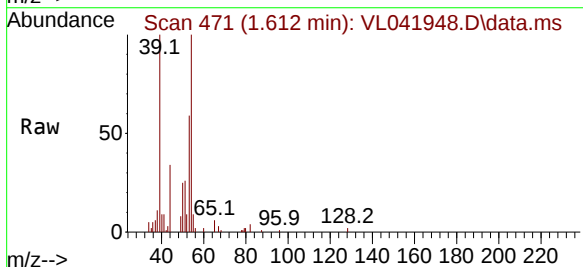
Instrument :
MSVOA_L
ClientSampleId :

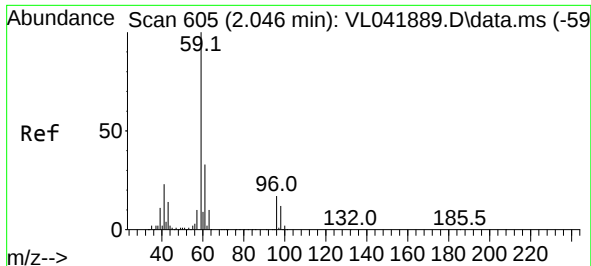
Tgt Ion: 43 Resp: 12074
Ion Ratio Lower Upper
43 100
58 30.7 21.9 32.9



#16
1,3-Butadiene
Concen: 0.564 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 39 Resp: 4366
Ion Ratio Lower Upper
39 100
54 80.3 61.6 92.4

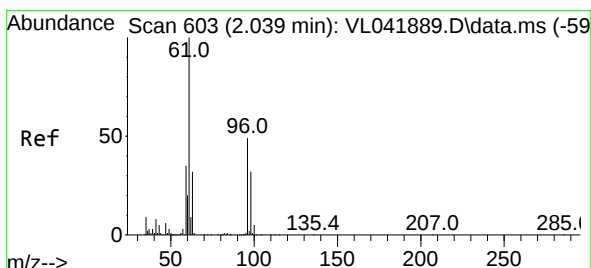
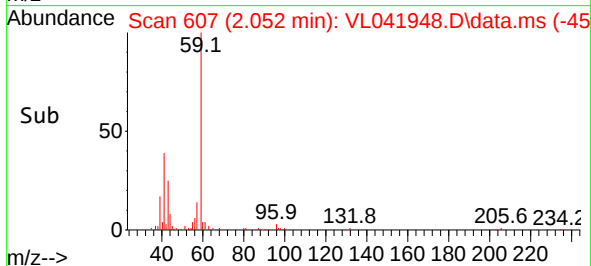
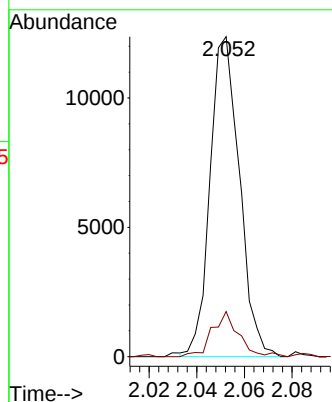
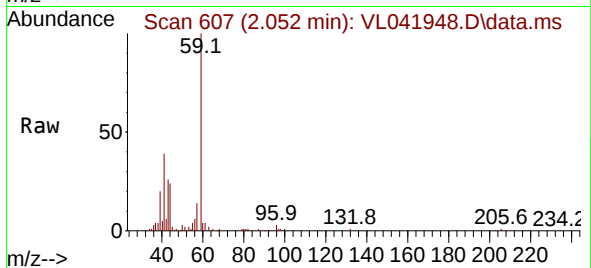




#17
tert-Butyl alcohol
Concen: 0.500 ppbv
RT: 2.052 min Scan# 605
Delta R.T. 0.007 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

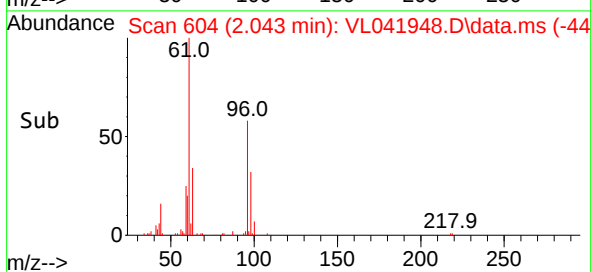
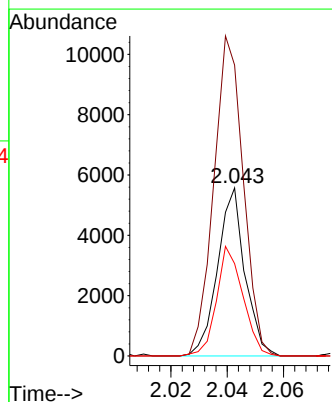
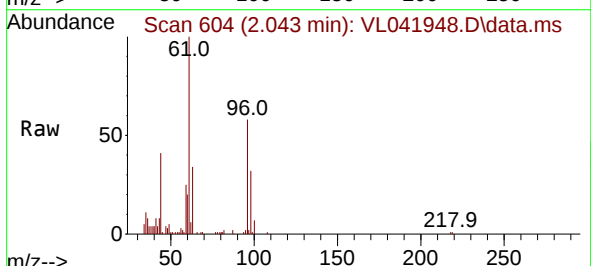
Instrument :
MSVOA_L
ClientSampleId :

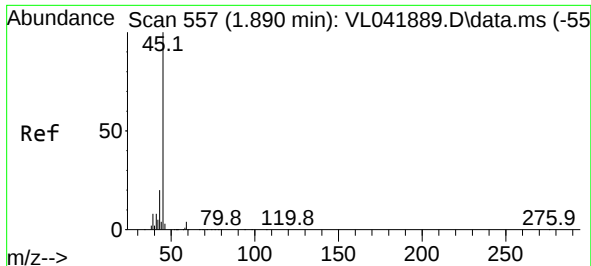
Tgt Ion: 59 Resp: 10623
Ion Ratio Lower Upper
59 100
57 13.2 7.8 11.8#



#18
1,1-Dichloroethene
Concen: 0.523 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 96 Resp: 3760
Ion Ratio Lower Upper
96 100
61 173.0 163.1 244.7
98 55.0 52.7 79.1

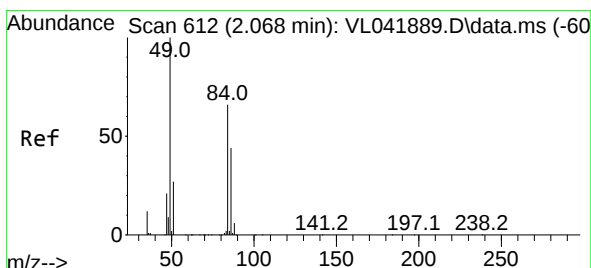
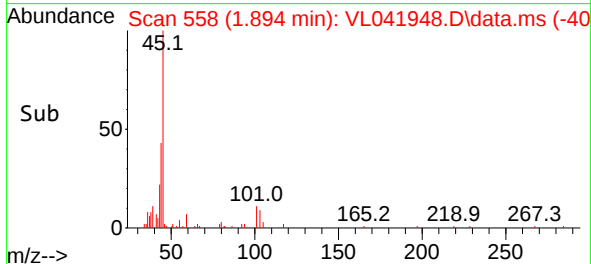
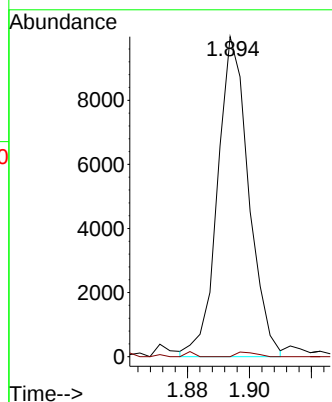
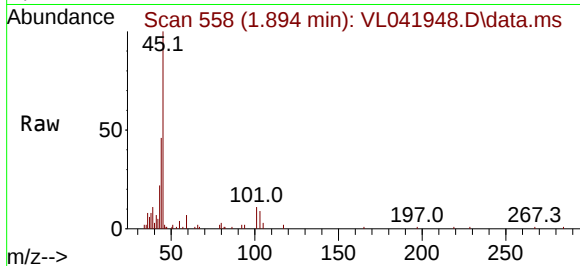




#19
Isopropyl Alcohol
Concen: 0.682 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

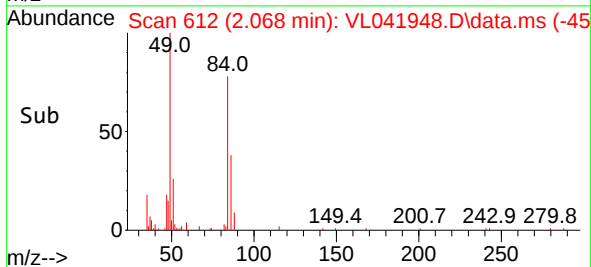
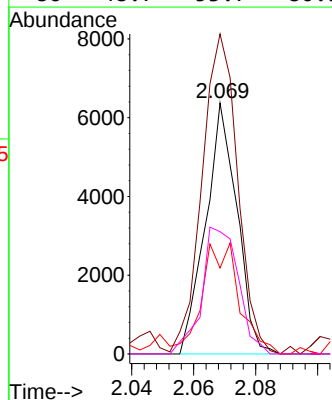
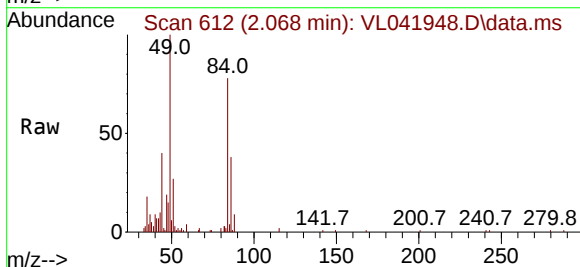
Instrument :
MSVOA_L
ClientSampleId :

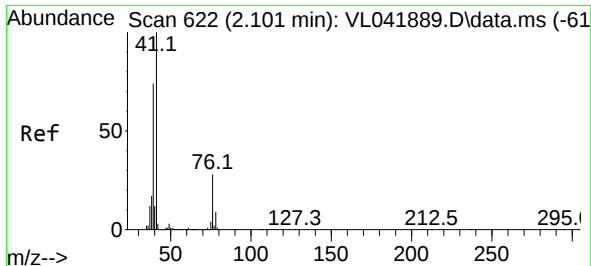
Tgt Ion: 45 Resp: 6978
Ion Ratio Lower Upper
45 100
58 0.0 35.0 52.6#



#20
Methylene Chloride
Concen: 0.658 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 84 Resp: 4488
Ion Ratio Lower Upper
84 100
49 127.6 123.1 184.7
51 34.3 35.8 53.8#
86 48.7 53.7 80.5#

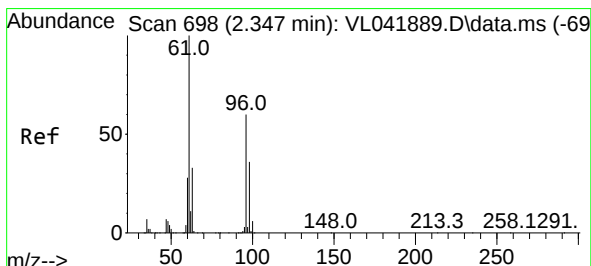
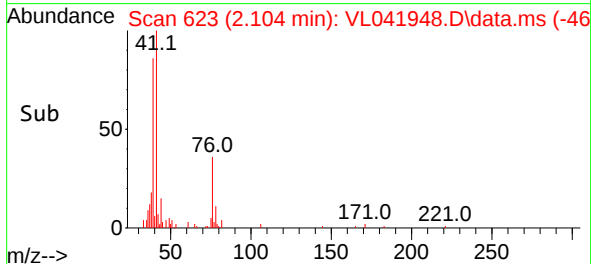
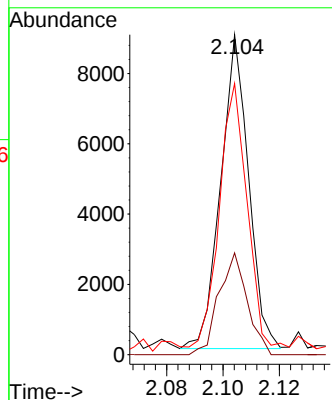
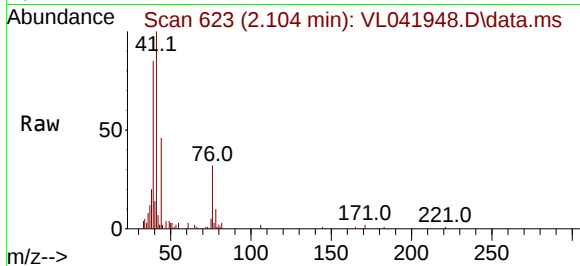




#21
 Allyl Chloride
 Concen: 0.513 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

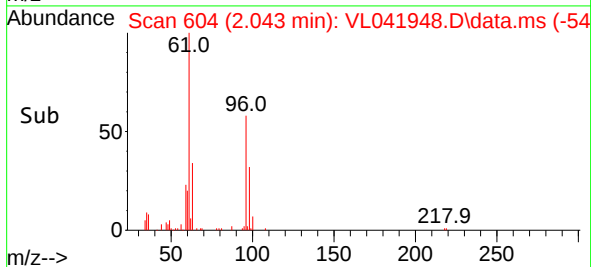
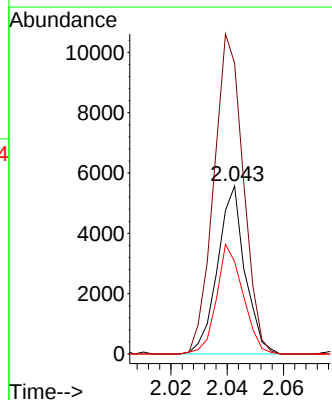
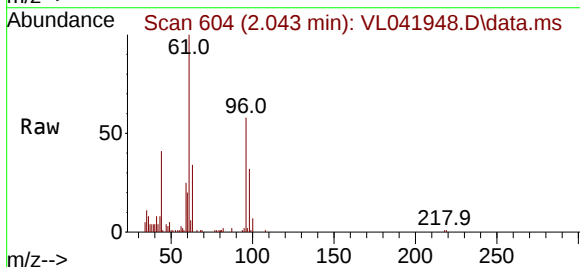
Instrument :
 MSVOA_L
 ClientSampleId :

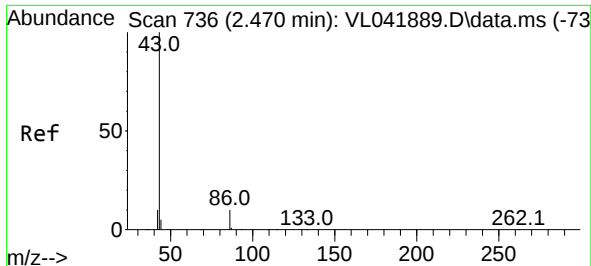
Tgt Ion: 41 Resp: 6128
 Ion Ratio Lower Upper
 41 100
 76 33.0 24.2 36.4
 39 93.8 60.6 91.0#



#22
 trans-1,2-Dichloroethene
 Concen: 0.463 ppbv
 RT: 2.043 min Scan# 604
 Delta R.T. -0.304 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

Tgt Ion: 96 Resp: 3760
 Ion Ratio Lower Upper
 96 100
 61 173.0 134.5 201.7
 98 55.0 48.9 73.3

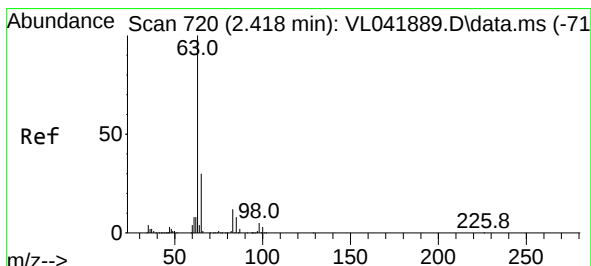
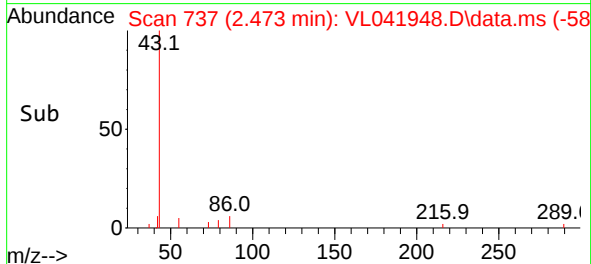
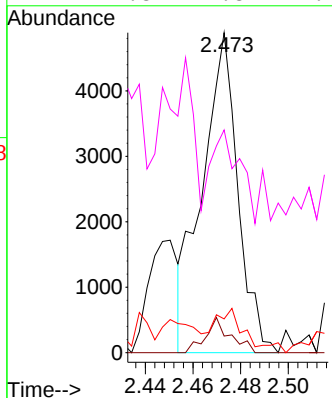
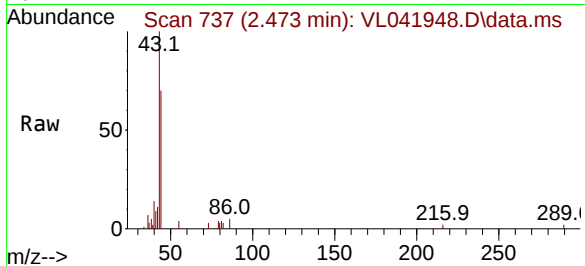




#23
 Vinyl Acetate
 Concen: 0.594 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

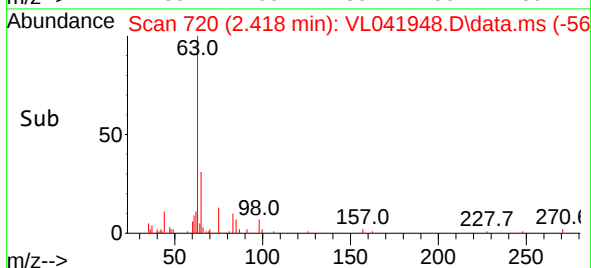
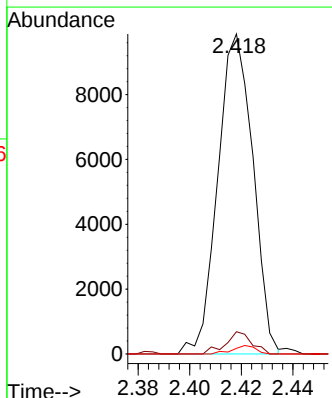
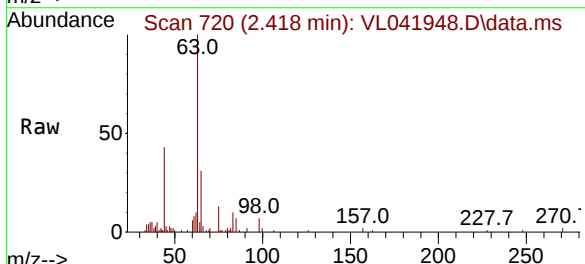
Instrument :
 MSVOA_L
 ClientSampleId :

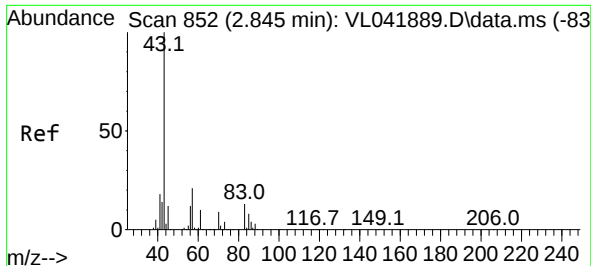
Tgt Ion:	43	Resp:	5081
Ion	Ratio	Lower	Upper
43	100		
86	5.2	6.2	9.4#
42	7.4	8.5	12.7#
44	22.8	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.594 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

Tgt Ion:	63	Resp:	9332
Ion	Ratio	Lower	Upper
63	100		
98	7.0	2.6	7.8
100	1.8	1.4	4.2

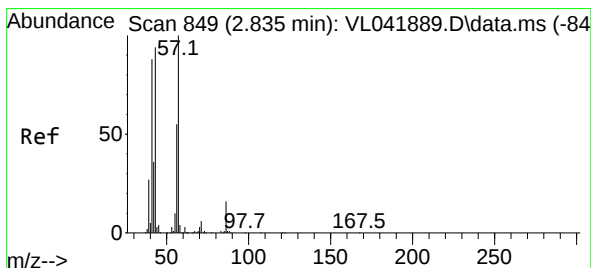
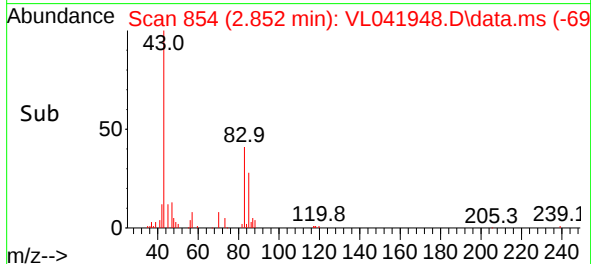
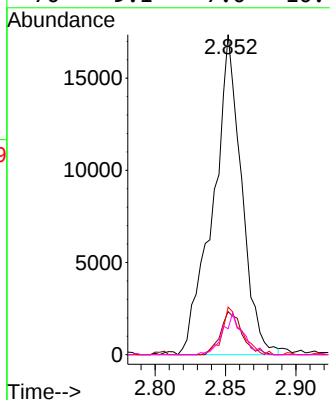
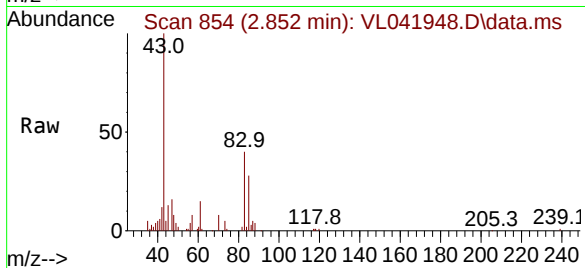




#25
Ethyl Acetate
Concen: 0.525 ppbv
RT: 2.852 min Scan# 852
Delta R.T. 0.007 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

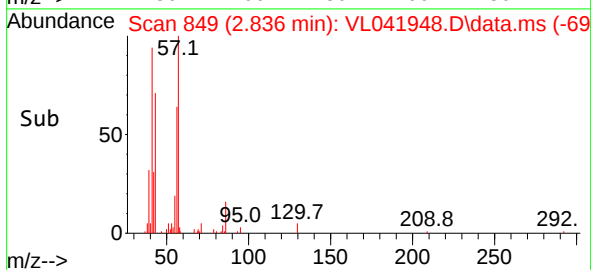
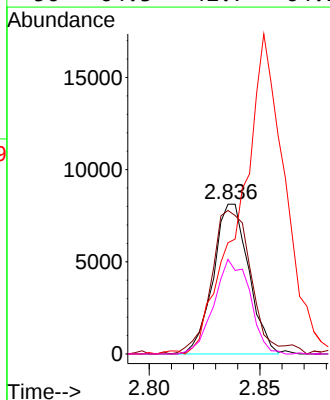
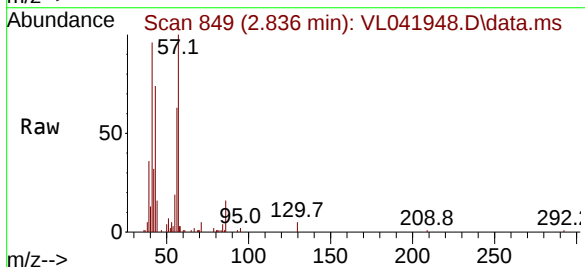
Instrument :
MSVOA_L
ClientSampleId :

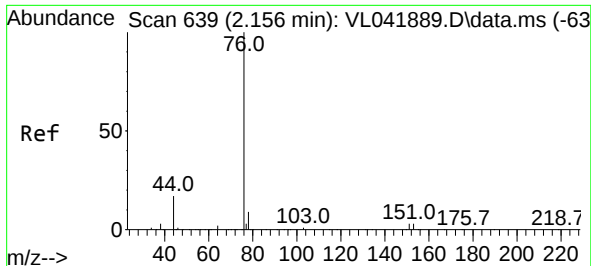
Tgt Ion: 43 Resp: 24423
Ion Ratio Lower Upper
43 100
45 10.1 8.2 12.2
61 10.3 7.4 11.0
70 9.1 7.0 10.4



#26
Hexane
Concen: 0.490 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 57 Resp: 9025
Ion Ratio Lower Upper
57 100
41 110.8 73.8 110.8#
43 279.0 197.3 295.9
56 64.3 42.7 64.1#





#27

Carbon Disulfide

Concen: 0.523 ppbv

RT: 2.159 min Scan# 640

Delta R.T. 0.003 min

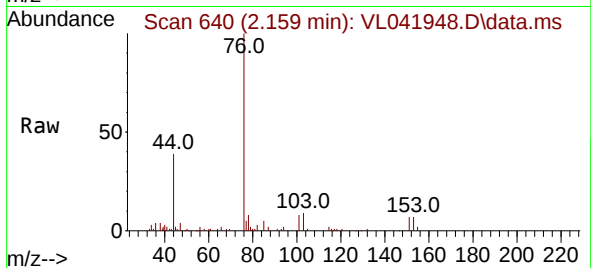
Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :



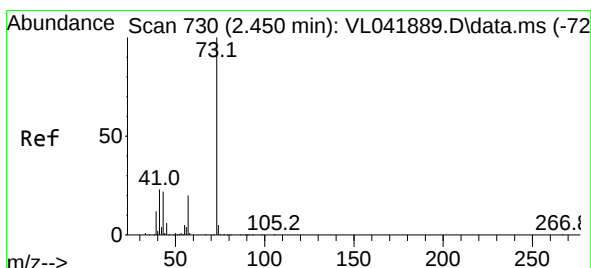
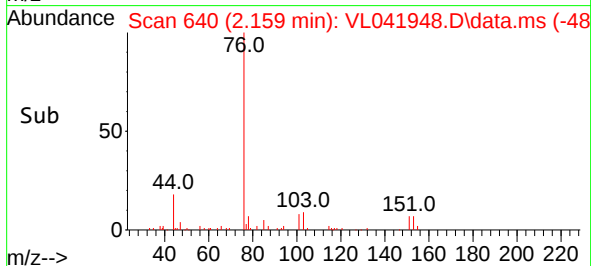
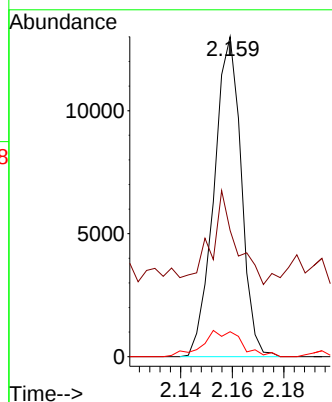
Tgt Ion: 76 Resp: 9531

Ion Ratio Lower Upper

76 100

44 68.3 15.4 23.0#

78 11.7 9.3 13.9



#28

Methyl tert-Butyl Ether

Concen: 0.441 ppbv

RT: 2.454 min Scan# 731

Delta R.T. 0.003 min

Lab File: VL041948.D

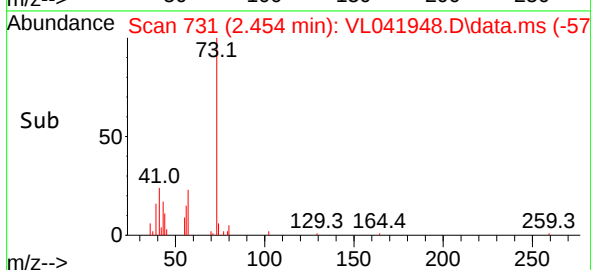
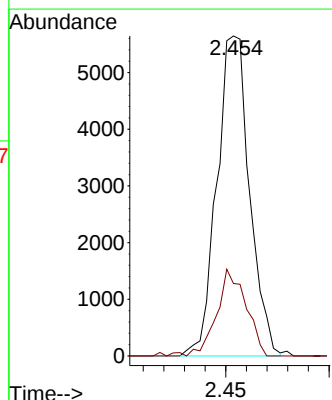
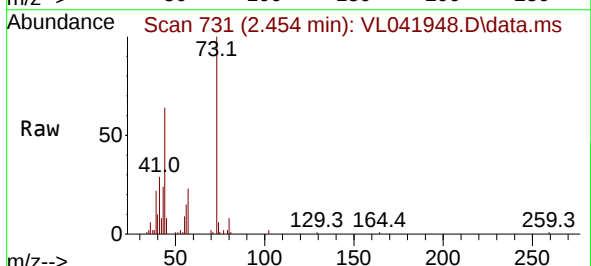
Acq: 27 Jan 2025 13:05

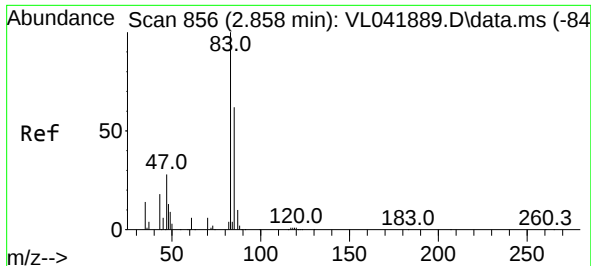
Tgt Ion: 73 Resp: 6211

Ion Ratio Lower Upper

73 100

57 24.7 18.1 27.1





#29

Chloroform

Concen: 0.548 ppbv

RT: 2.861 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Instrument :

MSVOA_L

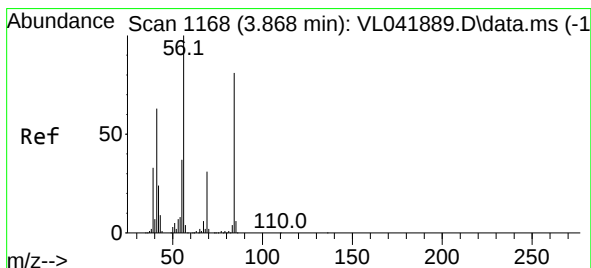
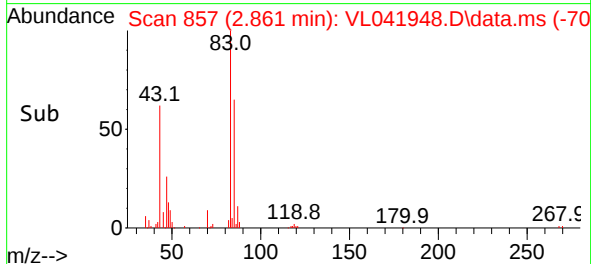
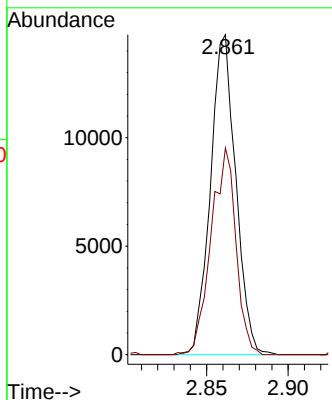
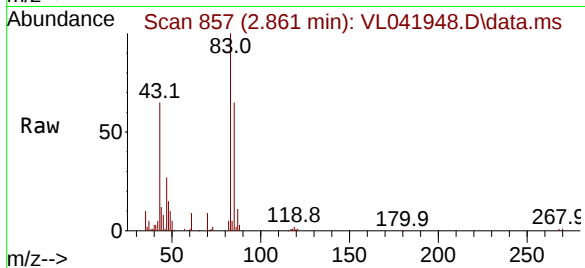
ClientSampleId :

Tgt Ion: 83 Resp: 15948

Ion Ratio Lower Upper

83 100

85 64.6 50.1 75.1



#30

Cyclohexane

Concen: 0.454 ppbv

RT: 3.875 min Scan# 1170

Delta R.T. 0.007 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

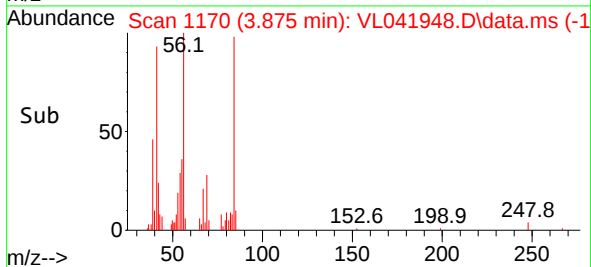
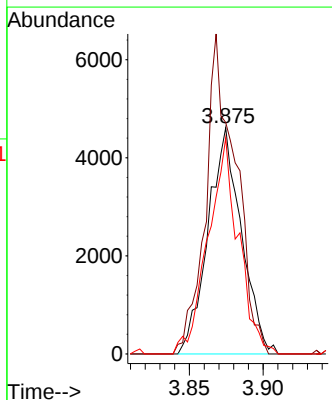
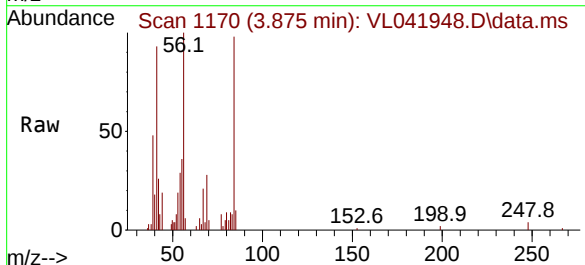
Tgt Ion: 84 Resp: 7250

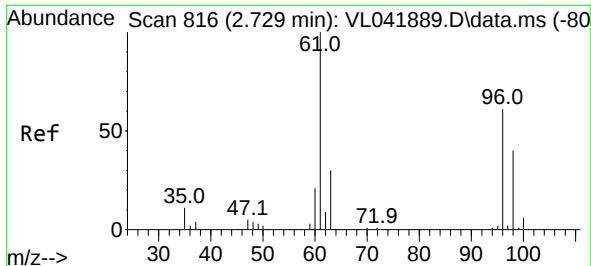
Ion Ratio Lower Upper

84 100

56 127.2 99.3 148.9

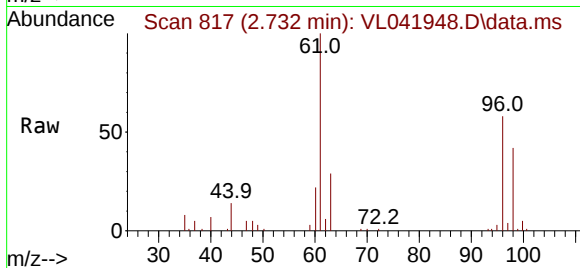
41 87.4 64.3 96.5



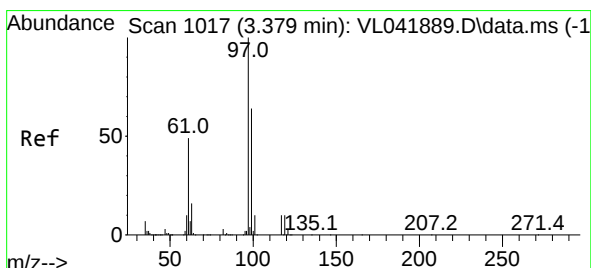
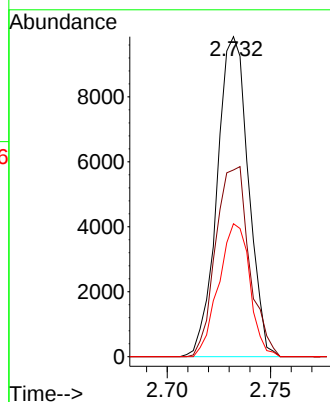
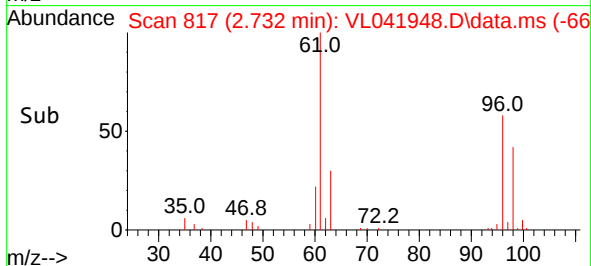


#31
 cis-1,2-Dichloroethene
 Concen: 0.535 ppbv
 RT: 2.732 min Scan# 816
 Delta R.T. 0.003 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

Instrument :
 MSVOA_L
 ClientSampleId :

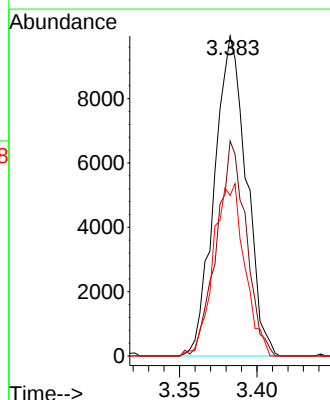
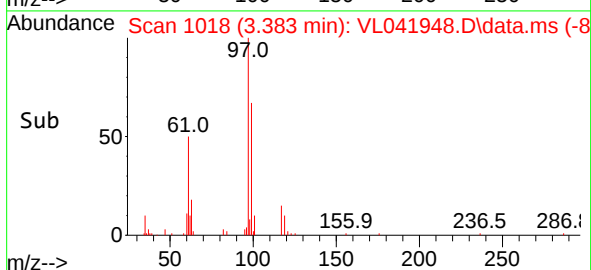
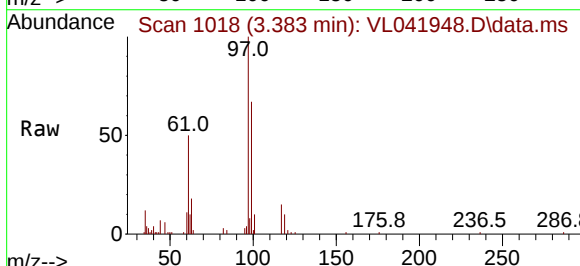


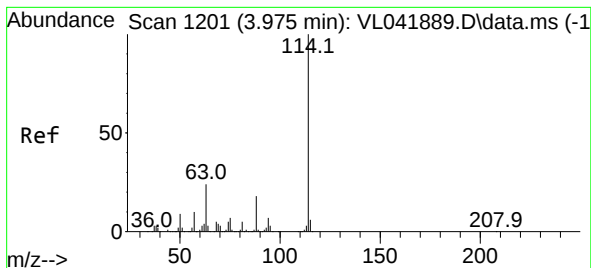
Tgt Ion: 61 Resp: 10369
 Ion Ratio Lower Upper
 61 100
 96 58.4 48.7 73.1
 98 41.5 31.6 47.4



#32
 1,1,1-Trichloroethane
 Concen: 0.513 ppbv
 RT: 3.383 min Scan# 1018
 Delta R.T. 0.003 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

Tgt Ion: 97 Resp: 14275
 Ion Ratio Lower Upper
 97 100
 99 62.2 51.1 76.7
 61 52.8 39.0 58.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

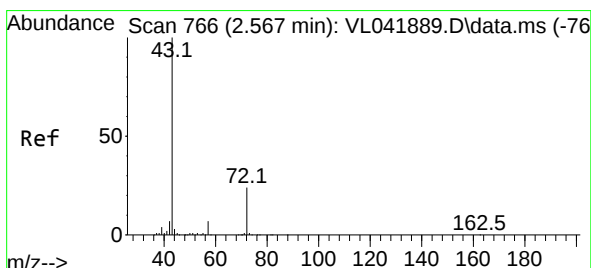
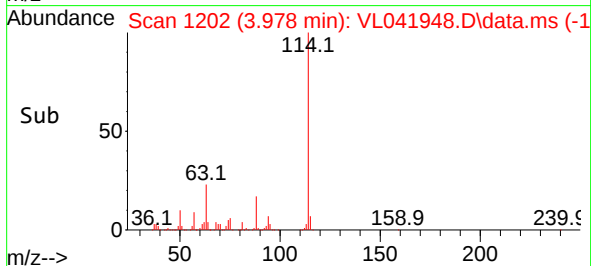
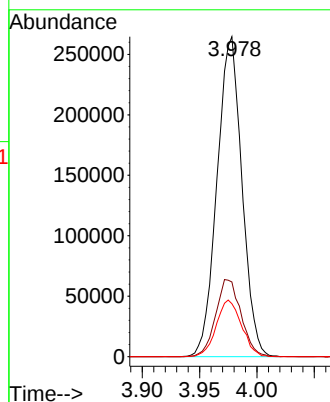
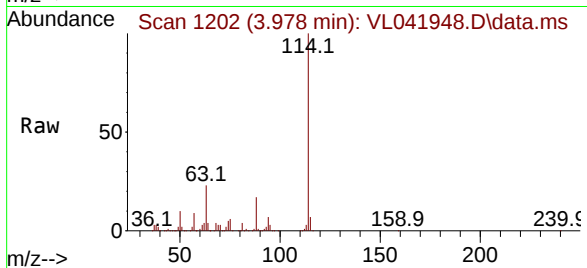
Tgt Ion:114 Resp: 400111

Ion Ratio Lower Upper

114 100

63 24.6 19.8 29.6

88 17.9 14.4 21.6



#34

2-Butanone

Concen: 0.646 ppbv

RT: 2.573 min Scan# 768

Delta R.T. 0.007 min

Lab File: VL041948.D

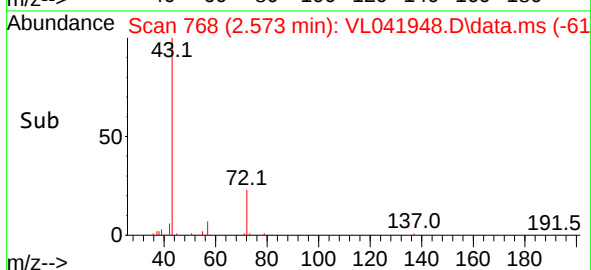
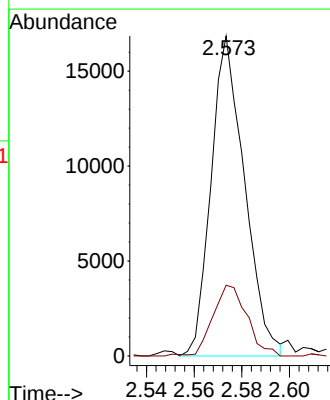
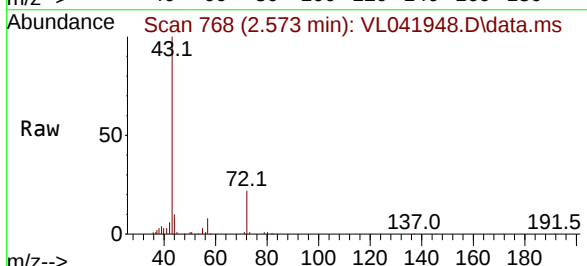
Acq: 27 Jan 2025 13:05

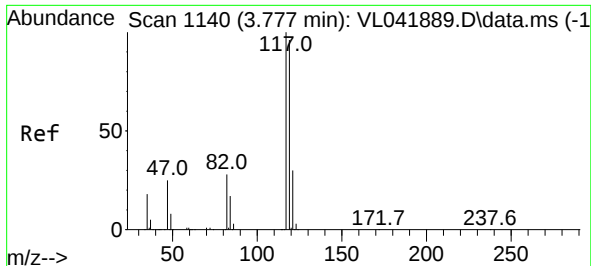
Tgt Ion: 43 Resp: 16425

Ion Ratio Lower Upper

43 100

72 22.8 18.6 28.0

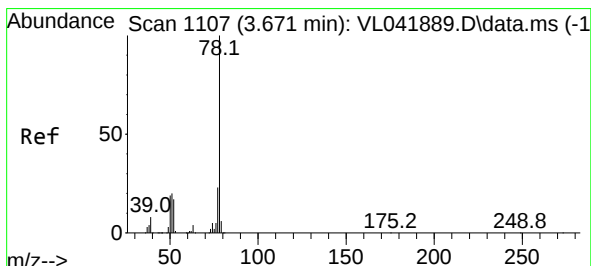
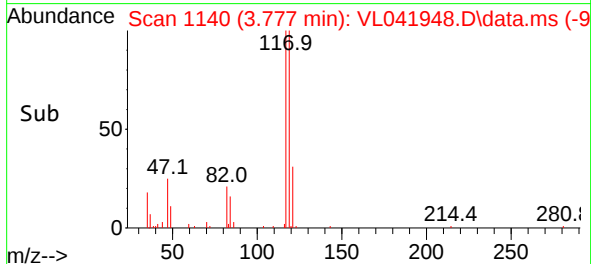
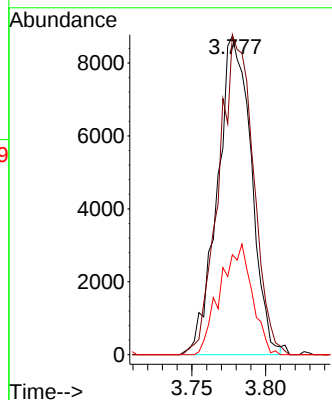
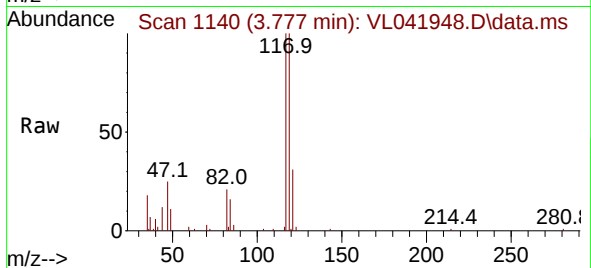




#35
Carbon Tetrachloride
Concen: 0.554 ppbv
RT: 3.777 min Scan# 1140
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

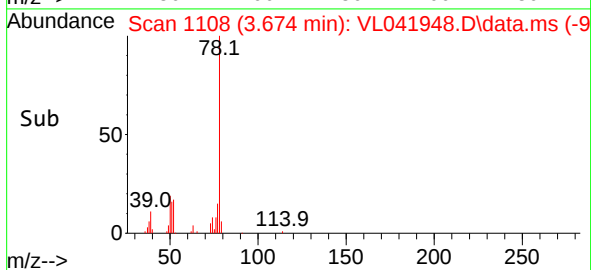
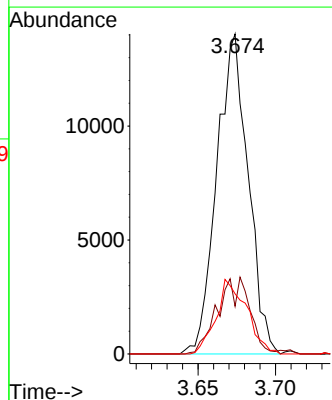
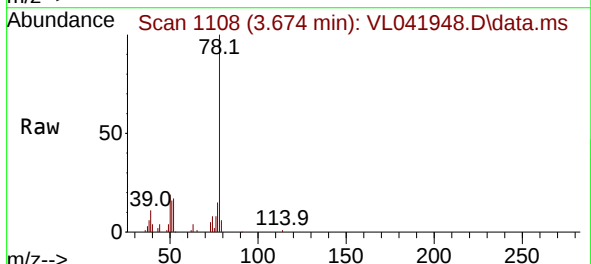
Instrument :
MSVOA_L
ClientSampleId :

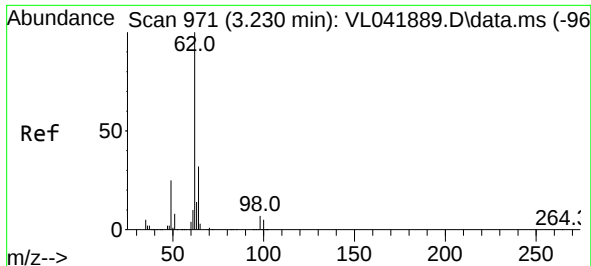
Tgt Ion:117 Resp: 13934
Ion Ratio Lower Upper
117 100
119 100.5 76.9 115.3
121 31.4 23.8 35.6



#36
Benzene
Concen: 0.539 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 78 Resp: 19789
Ion Ratio Lower Upper
78 100
77 14.9 18.1 27.1#
50 18.8 15.2 22.8





#37

1,2-Dichloroethane

Concen: 0.618 ppbv

RT: 3.234 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Instrument :

MSVOA_L

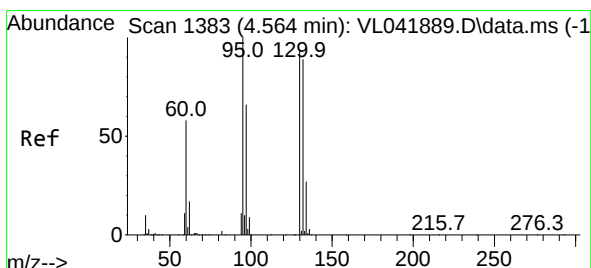
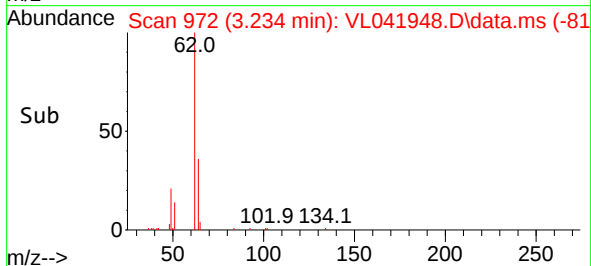
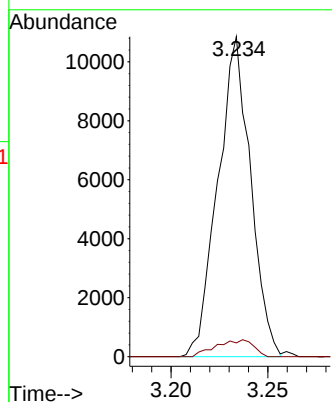
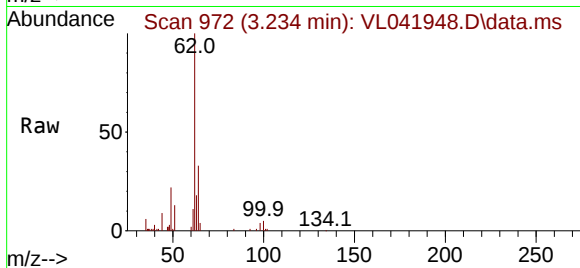
ClientSampleId :

Tgt Ion: 62 Resp: 12734

Ion Ratio Lower Upper

62 100

98 6.0 5.4 8.0



#38

Trichloroethene

Concen: 0.459 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. 0.003 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Tgt Ion:130 Resp: 6683

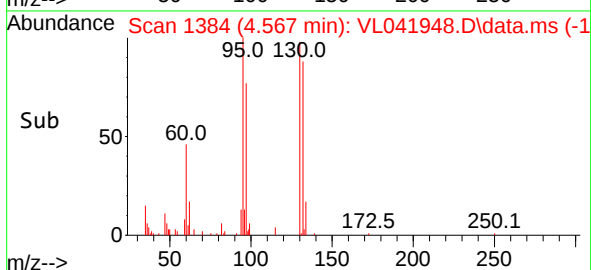
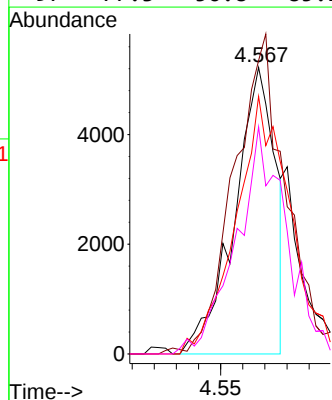
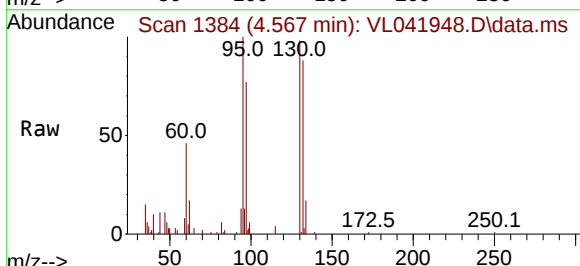
Ion Ratio Lower Upper

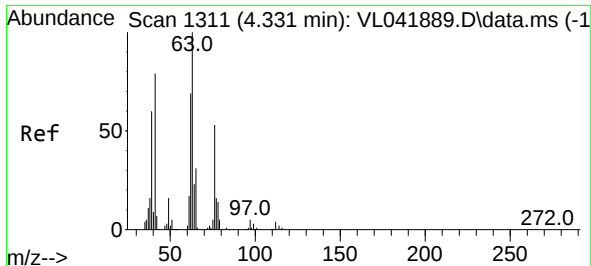
130 100

95 100.8 85.8 128.8

132 92.9 76.5 114.7

97 77.3 56.8 85.2





#39

1,2-Dichloropropane

Concen: 0.566 ppbv

RT: 4.334 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

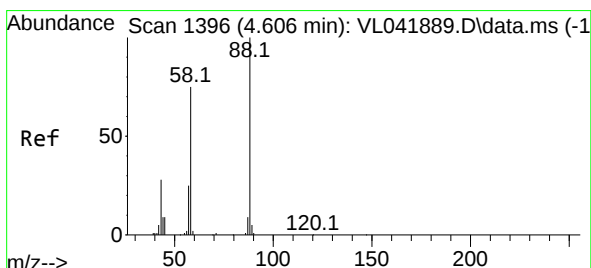
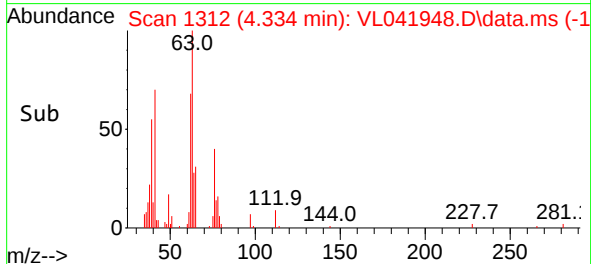
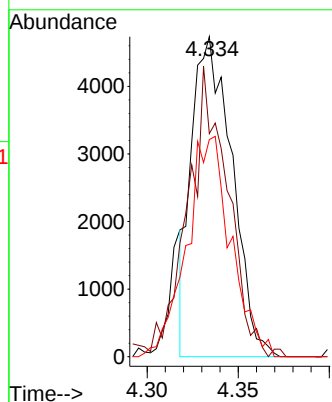
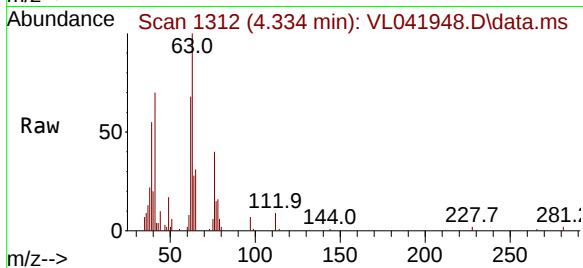
Tgt Ion: 63 Resp: 7285

Ion Ratio Lower Upper

63 100

41 67.3 63.7 95.5

62 67.8 55.4 83.2



#40

1,4-Dioxane

Concen: 0.204 ppbv

RT: 4.622 min Scan# 1401

Delta R.T. 0.016 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Tgt Ion: 88 Resp: 1329

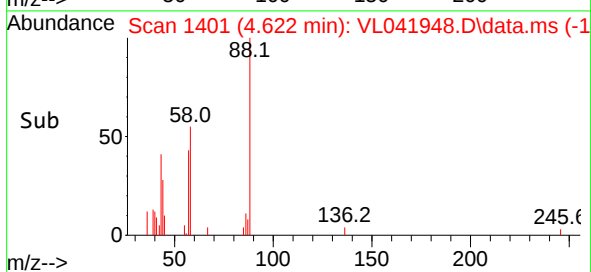
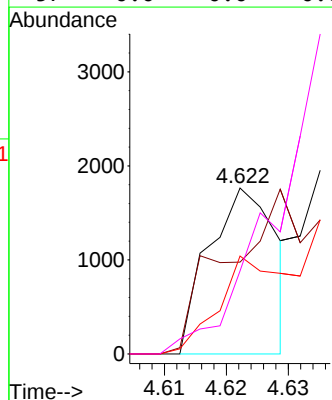
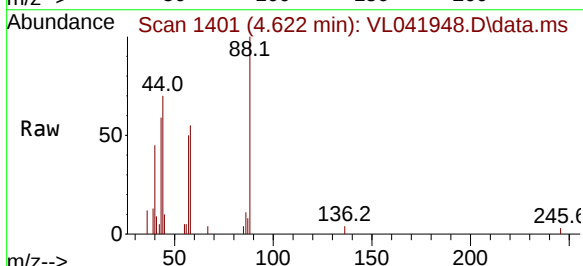
Ion Ratio Lower Upper

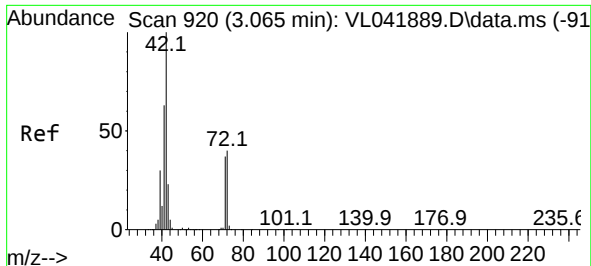
88 100

58 0.0 62.1 93.1#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

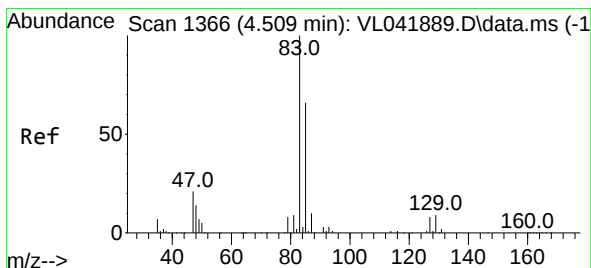
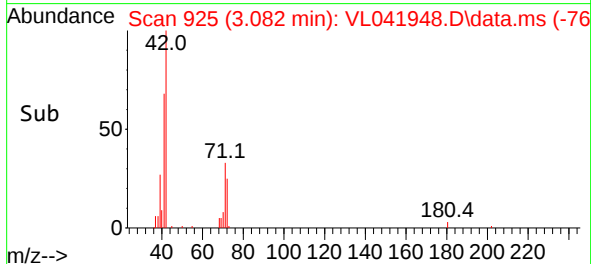
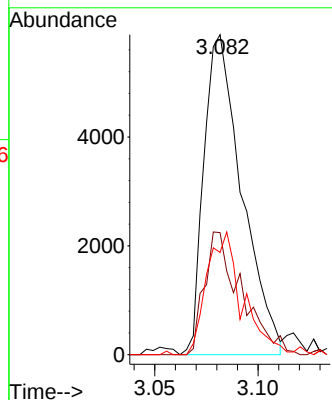
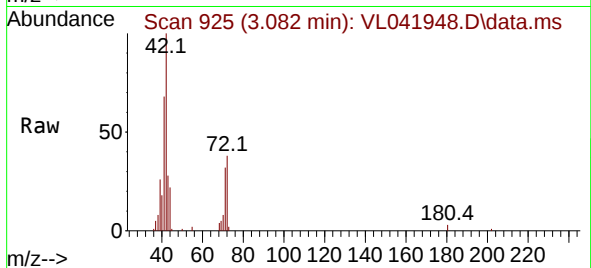




#41
Tetrahydrofuran
Concen: 0.544 ppbv
RT: 3.082 min Scan# 91
Delta R.T. 0.016 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

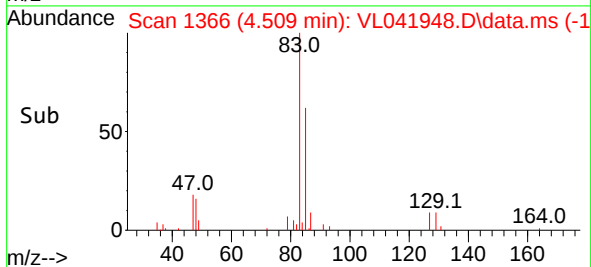
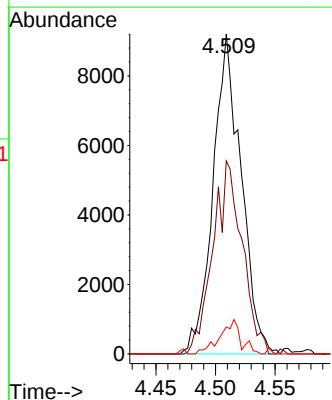
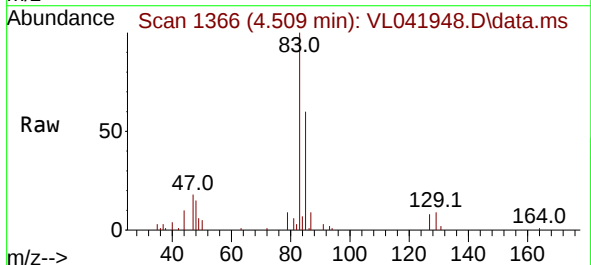
Instrument :
MSVOA_L
ClientSampleId :

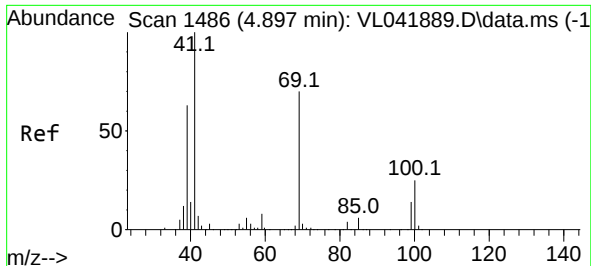
Tgt Ion: 42 Resp: 7516
Ion Ratio Lower Upper
42 100
72 38.5 32.3 48.5
71 36.7 29.9 44.9



#42
Bromodichloromethane
Concen: 0.545 ppbv
RT: 4.509 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 83 Resp: 15063
Ion Ratio Lower Upper
83 100
85 60.4 52.6 78.8
127 8.4 6.4 9.6

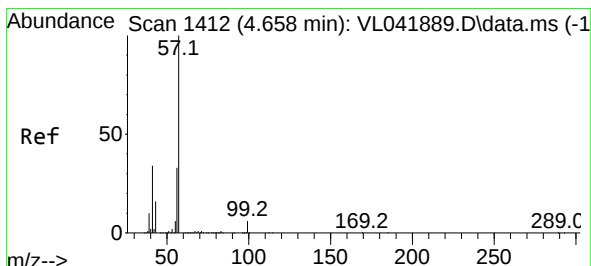
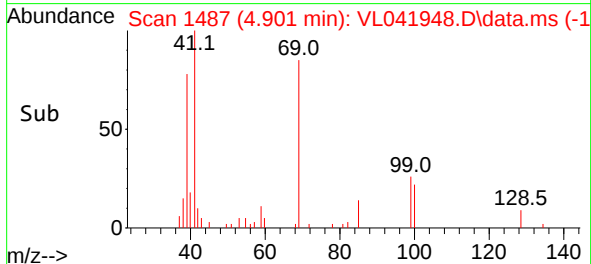
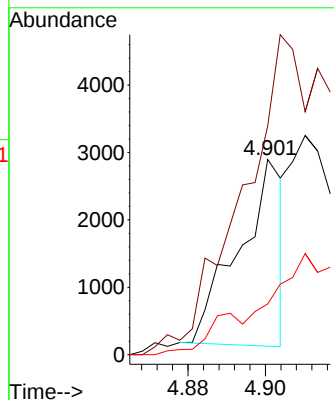
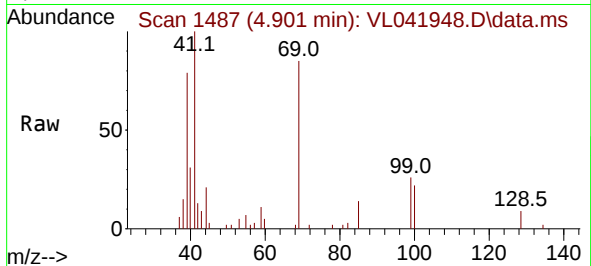




#43
Methyl Methacrylate
Concen: 0.160 ppbv
RT: 4.901 min Scan# 1487
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

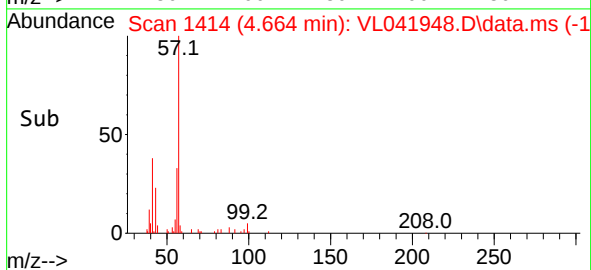
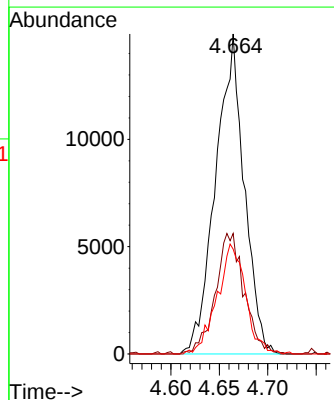
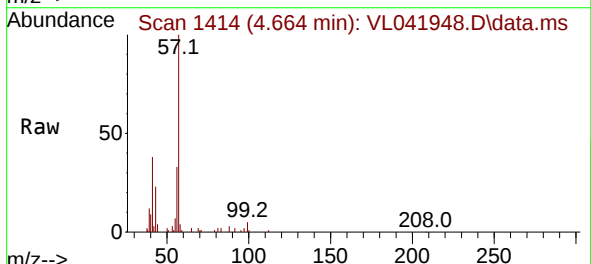
Instrument :
MSVOA_L
ClientSampleId :

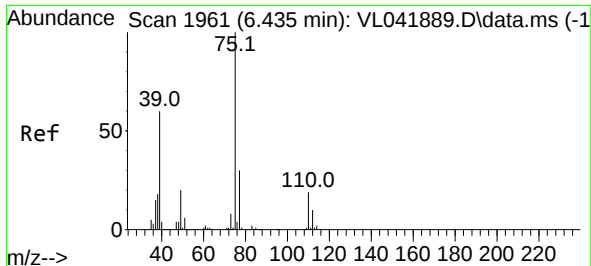
Tgt Ion: 69 Resp: 2176
Ion Ratio Lower Upper
69 100
41 423.4 118.6 177.8#
100 0.0 29.3 43.9#



#44
2,2,4-Trimethylpentane
Concen: 0.516 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.007 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 57 Resp: 30655
Ion Ratio Lower Upper
57 100
41 38.0 26.6 40.0
56 34.2 25.4 38.2

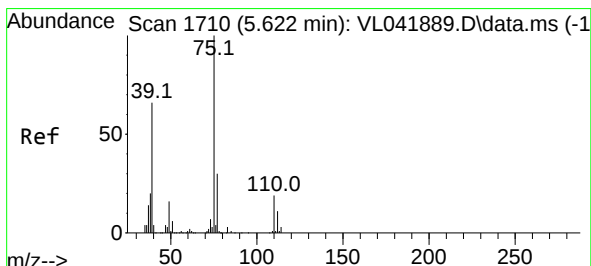
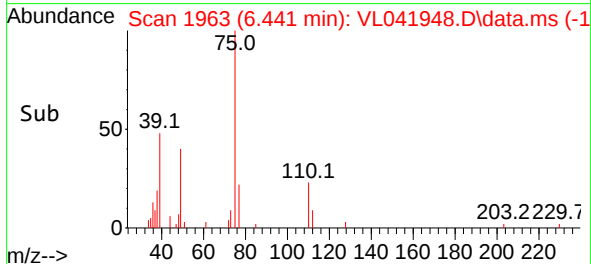
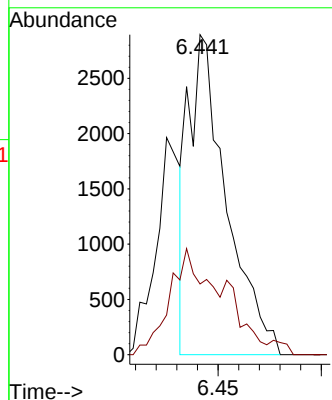
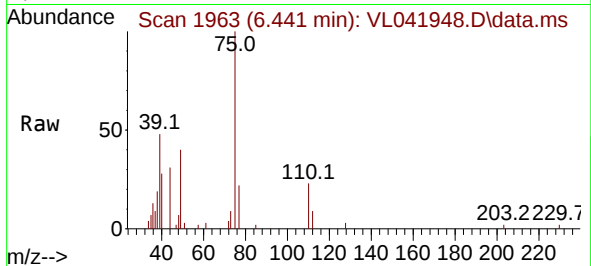




#45
 t-1,3-Dichloropropene
 Concen: 0.290 ppbv
 RT: 6.441 min Scan# 1963
 Delta R.T. 0.007 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

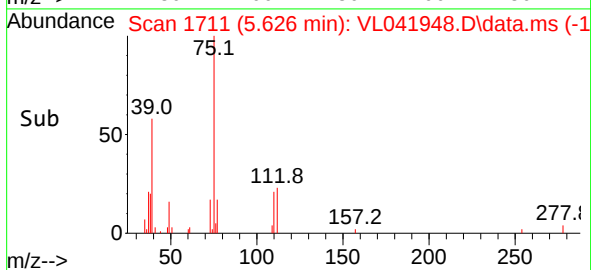
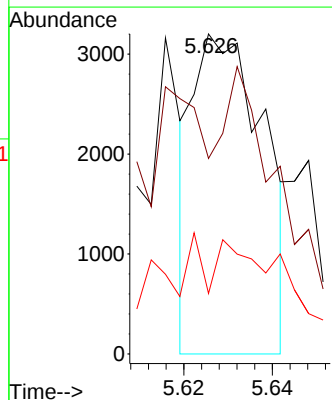
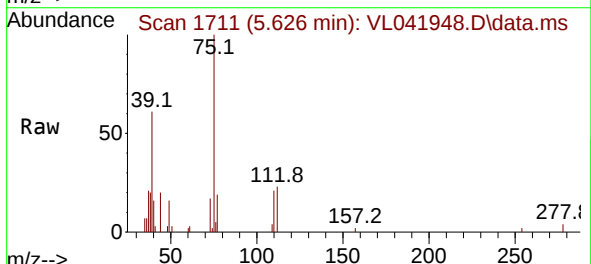
Instrument :
 MSVOA_L
 ClientSampleId :

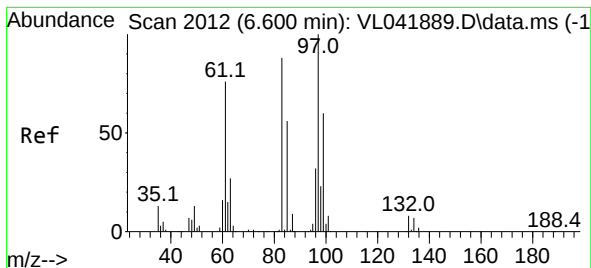
Tgt Ion: 75 Resp: 3698
 Ion Ratio Lower Upper
 75 100
 77 22.1 24.3 36.5#



#46
 cis-1,3-Dichloropropene
 Concen: 0.212 ppbv
 RT: 5.626 min Scan# 1711
 Delta R.T. 0.003 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

Tgt Ion: 75 Resp: 3554
 Ion Ratio Lower Upper
 75 100
 39 5.3 53.1 79.7#
 77 2.1 23.8 35.8#





#47

1,1,2-Trichloroethane

Concen: 0.170 ppbv

RT: 6.619 min Scan# 2012

Delta R.T. 0.020 min

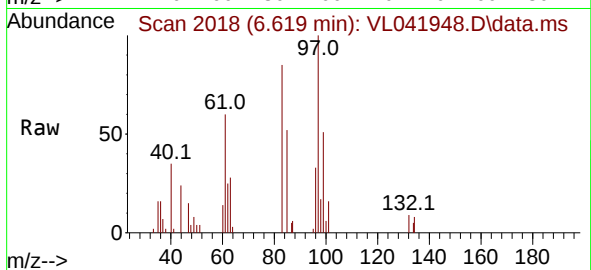
Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 97 Resp: 2315

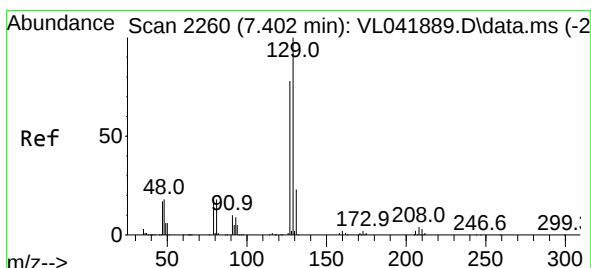
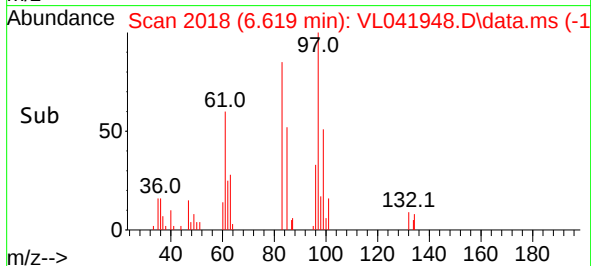
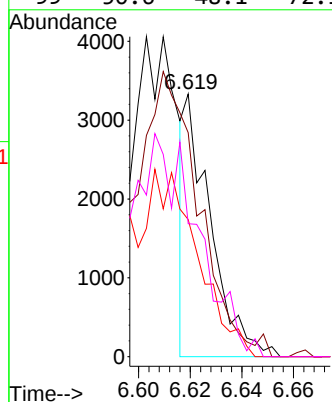
Ion Ratio Lower Upper

97 100

83 85.3 70.4 105.6

85 52.2 45.0 67.4

99 50.6 48.1 72.1



#48

Dibromochloromethane

Concen: 0.540 ppbv

RT: 7.409 min Scan# 2262

Delta R.T. 0.007 min

Lab File: VL041948.D

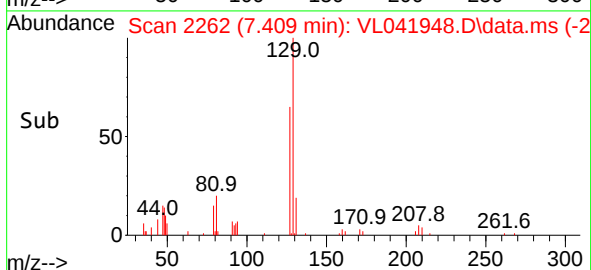
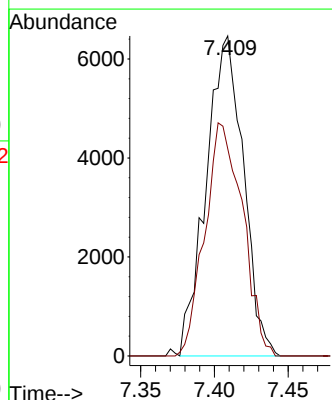
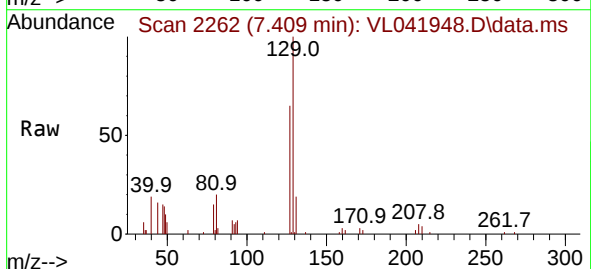
Acq: 27 Jan 2025 13:05

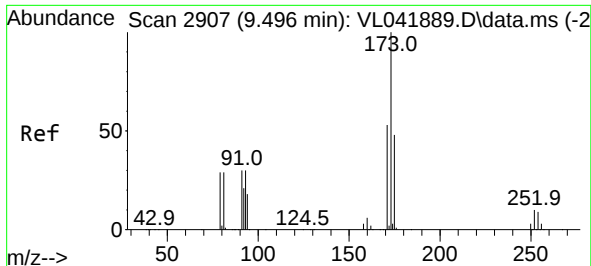
Tgt Ion: 129 Resp: 11366

Ion Ratio Lower Upper

129 100

127 73.6 39.3 117.8

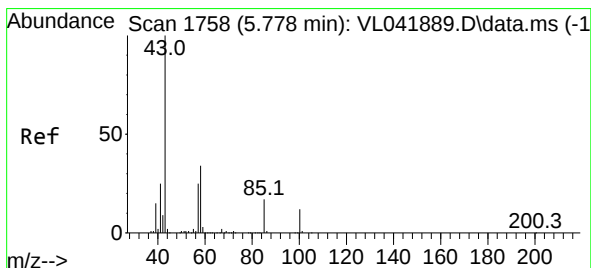
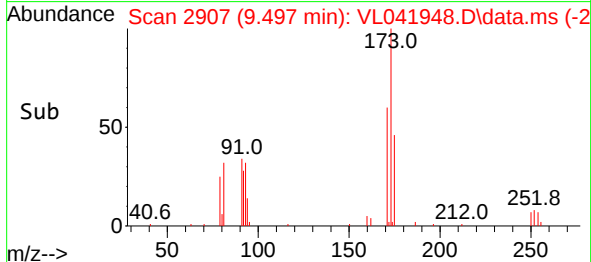
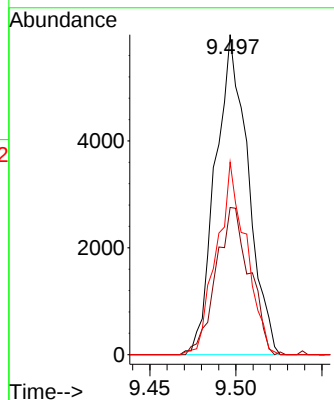
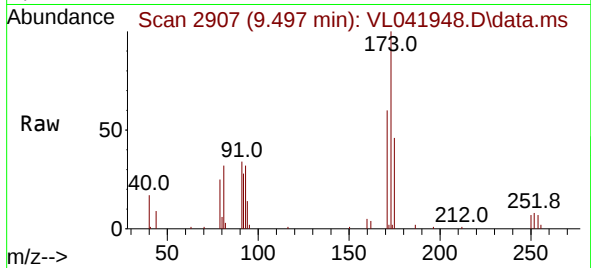




#49
Bromoform
Concen: 0.457 ppbv
RT: 9.497 min Scan# 2907
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

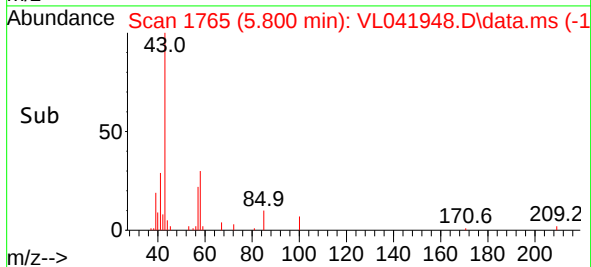
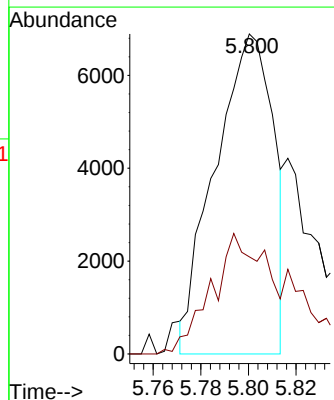
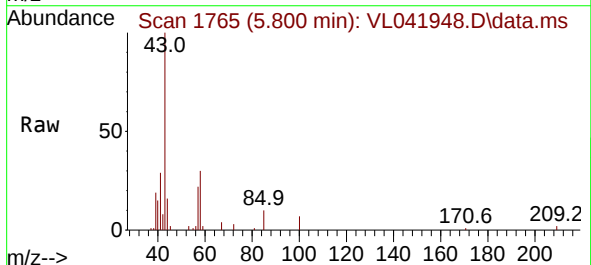
Instrument :
MSVOA_L
ClientSampleId :

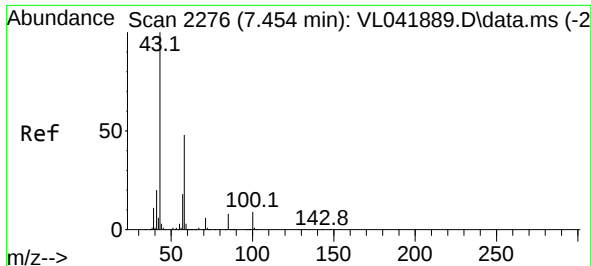
Tgt Ion:173 Resp: 7903
Ion Ratio Lower Upper
173 100
175 47.5 38.4 57.6
171 54.4 41.4 62.2



#50
4-Methyl-2-Pentanone
Concen: 0.338 ppbv
RT: 5.800 min Scan# 1765
Delta R.T. 0.023 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 43 Resp: 11725
Ion Ratio Lower Upper
43 100
58 52.2 29.0 43.6#

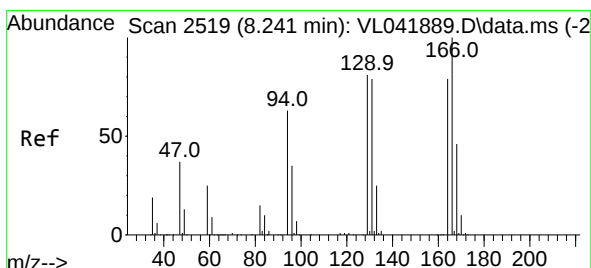
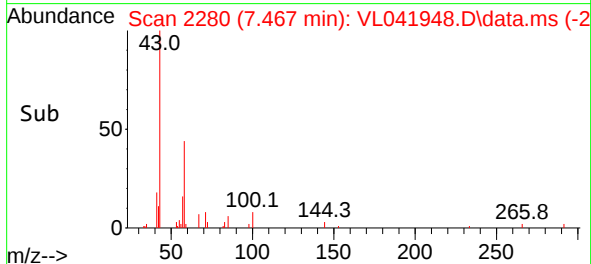
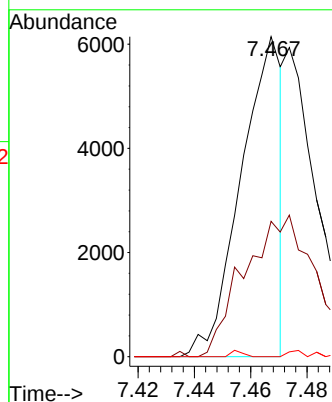
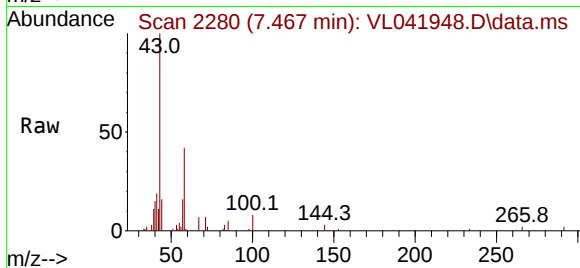




#51
2-Hexanone
Concen: 0.231 ppbv
RT: 7.467 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

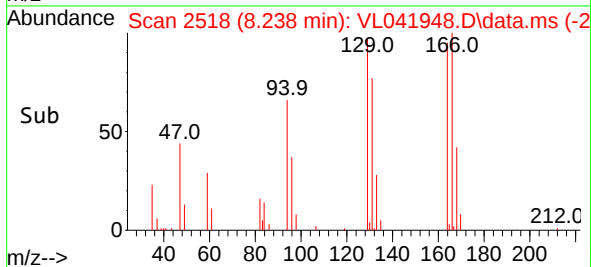
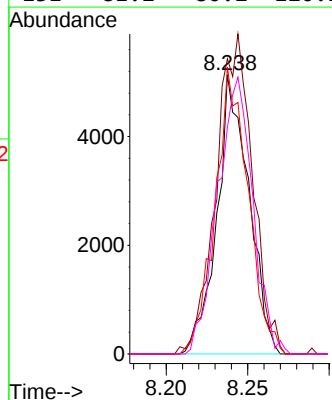
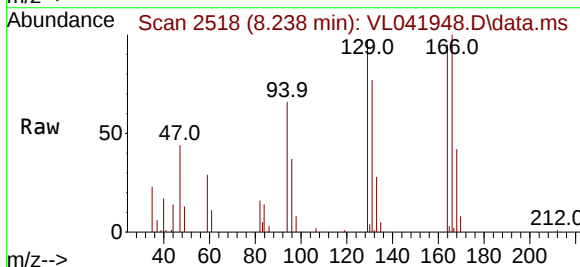
Instrument :
MSVOA_L
ClientSampleId :

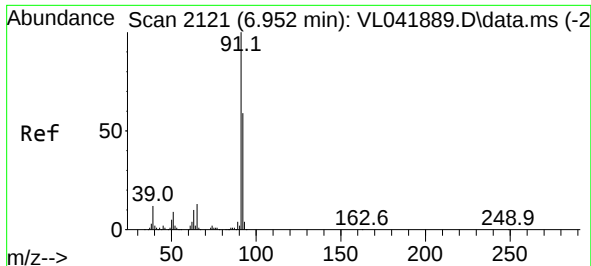
Tgt Ion: 43 Resp: 6168
Ion Ratio Lower Upper
43 100
58 0.0 40.4 60.6#
98 0.6 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.549 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. -0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion:164 Resp: 6982
Ion Ratio Lower Upper
164 100
166 103.2 100.8 151.2
129 102.8 82.0 123.0
131 81.2 80.2 120.2

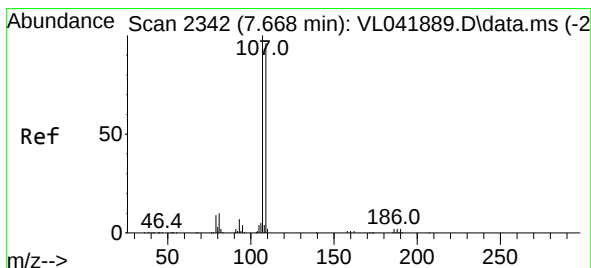
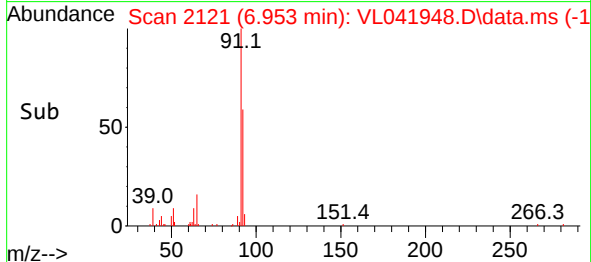
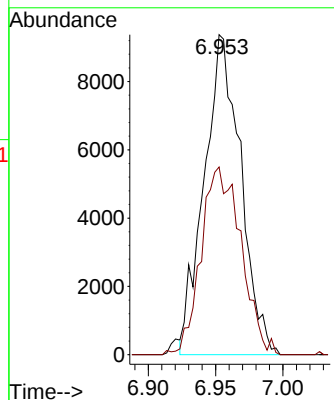
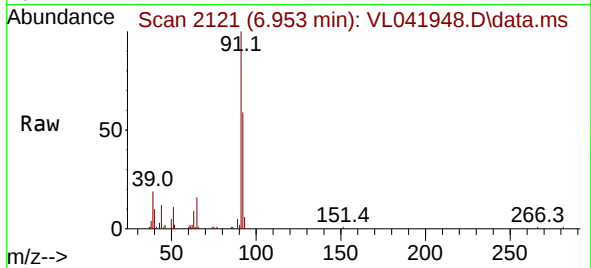




#53
Toluene
Concen: 0.442 ppbv
RT: 6.953 min Scan# 2121
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

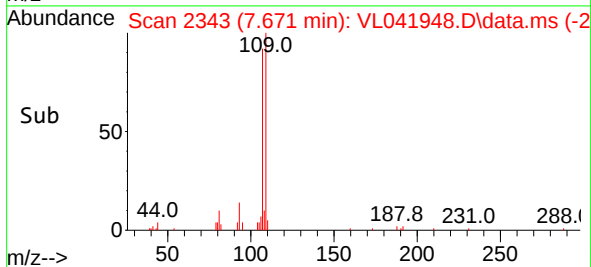
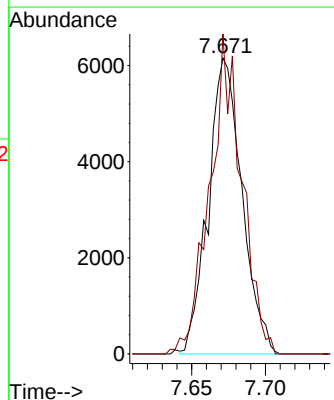
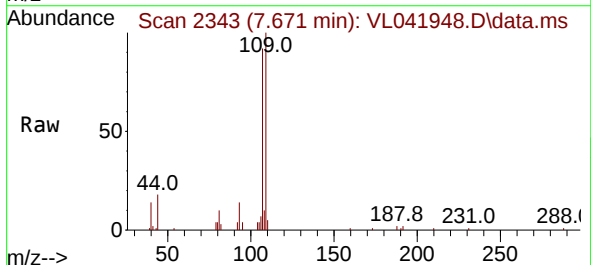
Instrument :
MSVOA_L
ClientSampleId :

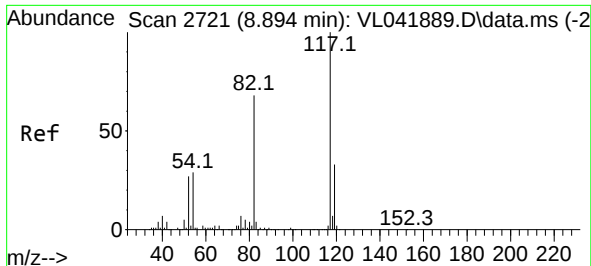
Tgt Ion: 91 Resp: 17686
Ion Ratio Lower Upper
91 100
92 64.1 47.4 71.0



#54
1,2-Dibromoethane
Concen: 0.520 ppbv
RT: 7.671 min Scan# 2343
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 107 Resp: 9762
Ion Ratio Lower Upper
107 100
109 108.1 76.7 115.1

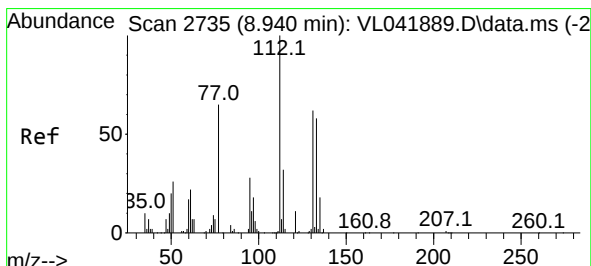
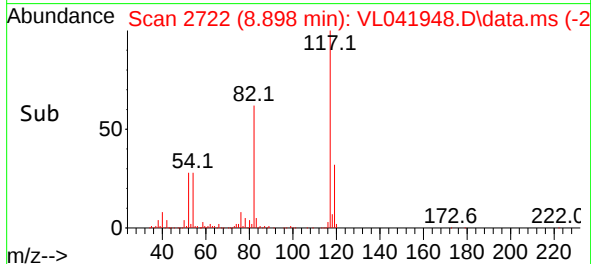
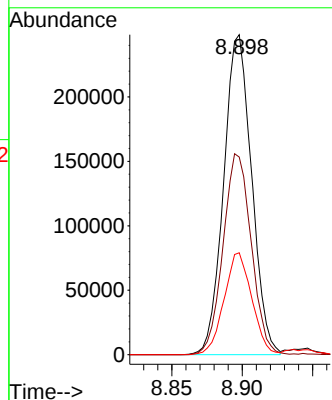
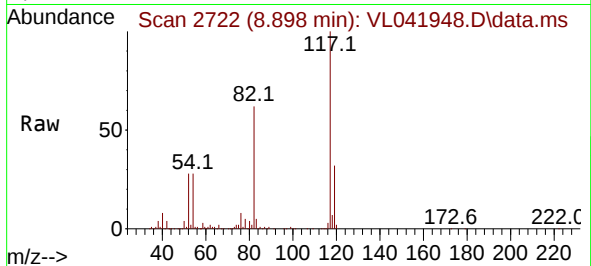




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

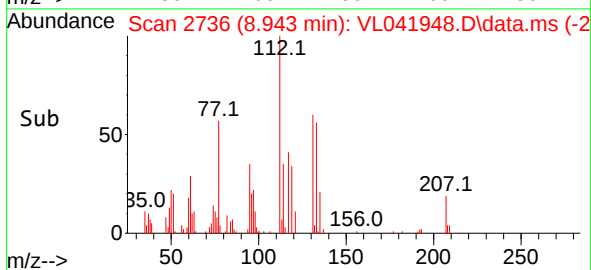
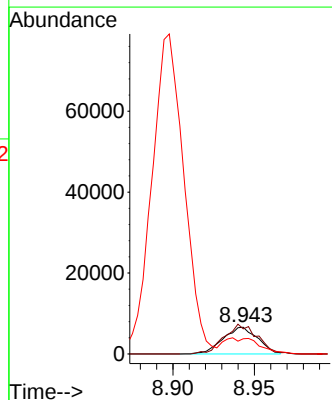
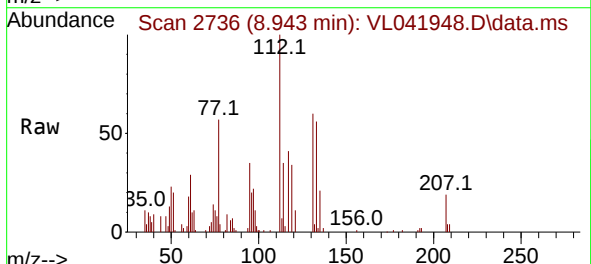
Instrument :
MSVOA_L
ClientSampleId :

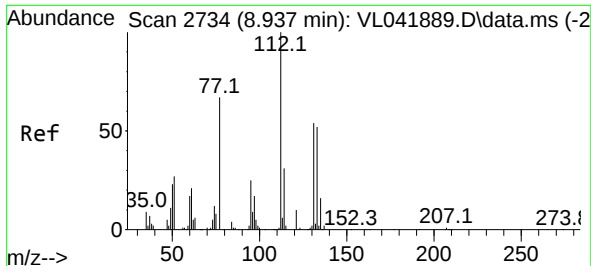
Tgt Ion:117 Resp: 343866
Ion Ratio Lower Upper
117 100
82 63.5 54.2 81.4
119 33.3 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 0.569 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion:131 Resp: 9768
Ion Ratio Lower Upper
131 100
133 107.0 76.0 114.0
119 1173.0 49.7 74.5#

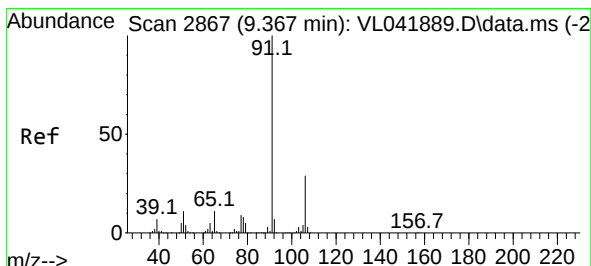
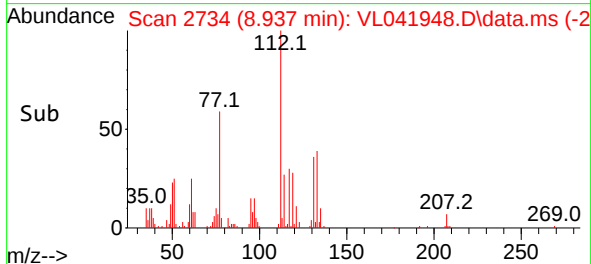
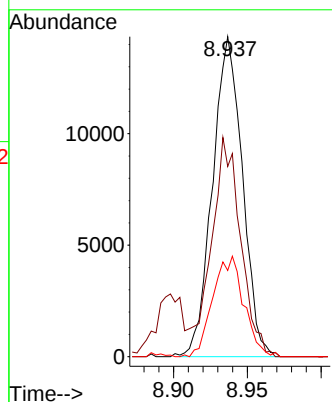
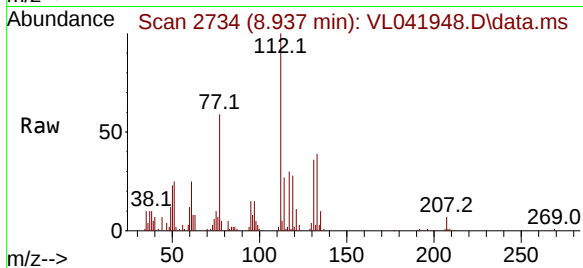




#57
Chlorobenzene
Concen: 0.638 ppbv
RT: 8.937 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

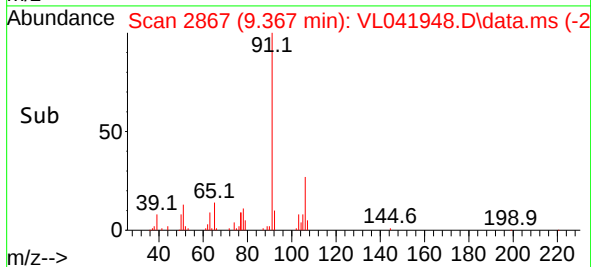
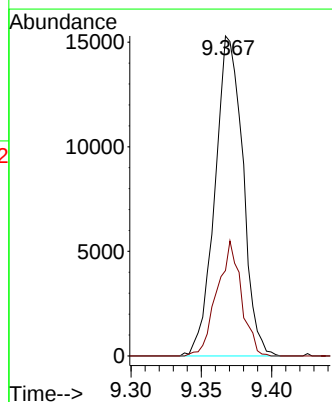
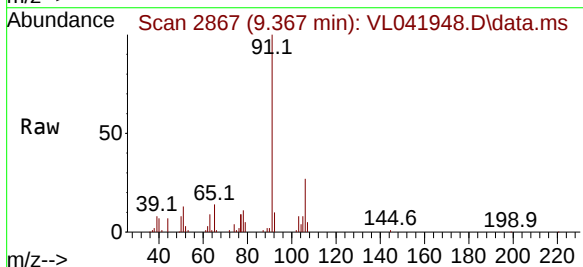
Instrument :
MSVOA_L
ClientSampleId :

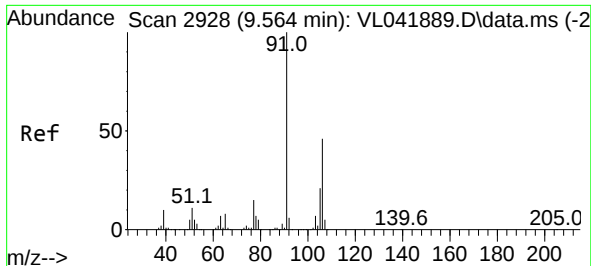
Tgt Ion:112 Resp: 20248
Ion Ratio Lower Upper
112 100
77 59.4 54.6 82.0
114 26.9 28.2 34.4#



#58
Ethyl Benzene
Concen: 0.392 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion: 91 Resp: 21087
Ion Ratio Lower Upper
91 100
106 26.7 23.1 34.7





#59

m/p-Xylene

Concen: 0.370 ppbv

RT: 9.561 min Scan# 29

Delta R.T. -0.003 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Instrument :

MSVOA_L

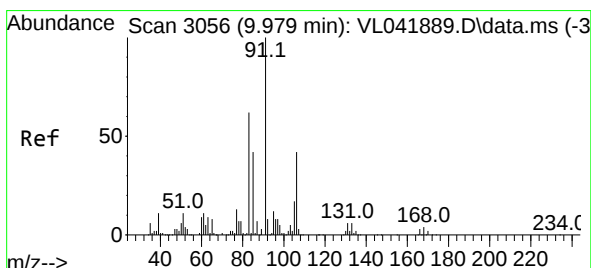
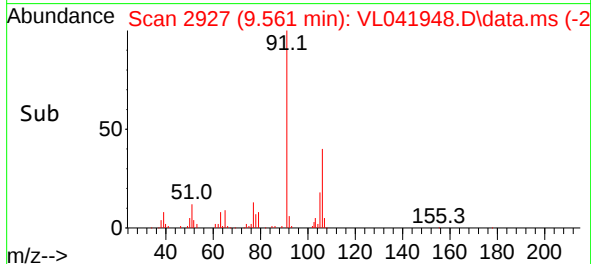
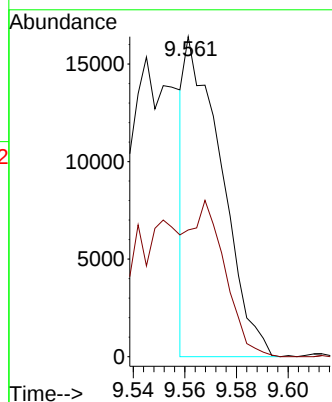
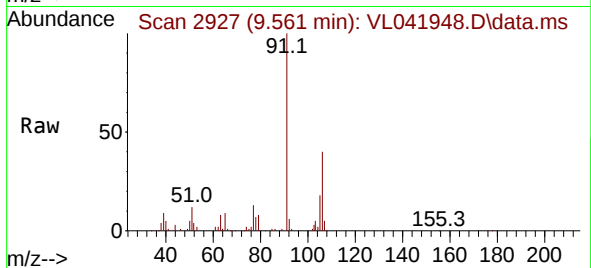
ClientSampleId :

Tgt Ion: 91 Resp: 15954

Ion Ratio Lower Upper

91 100

106 109.1 36.0 54.0#



#60

o-Xylene

Concen: 0.421 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. 0.000 min

Lab File: VL041948.D

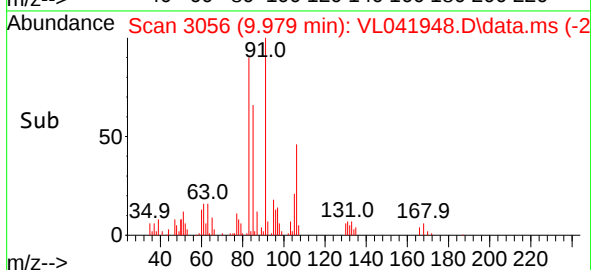
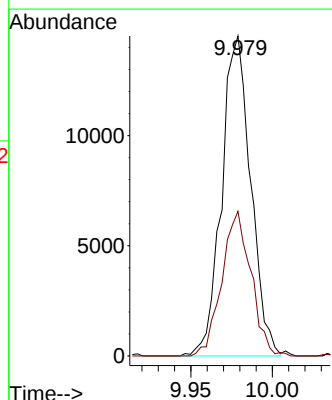
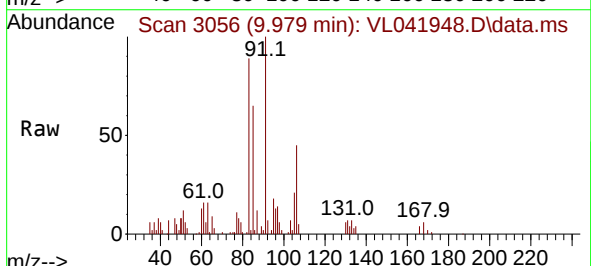
Acq: 27 Jan 2025 13:05

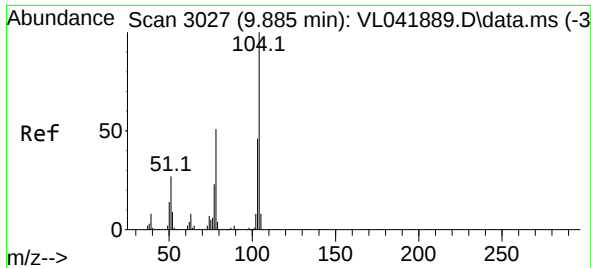
Tgt Ion: 91 Resp: 17992

Ion Ratio Lower Upper

91 100

106 45.3 21.3 63.9





#61

Styrene

Concen: 0.362 ppbv

RT: 9.888 min Scan# 3027

Delta R.T. 0.003 min

Lab File: VL041948.D

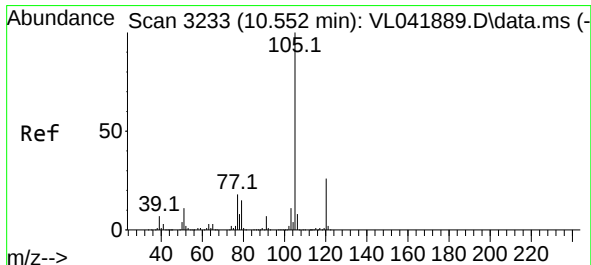
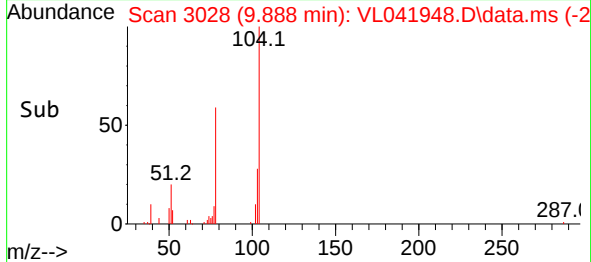
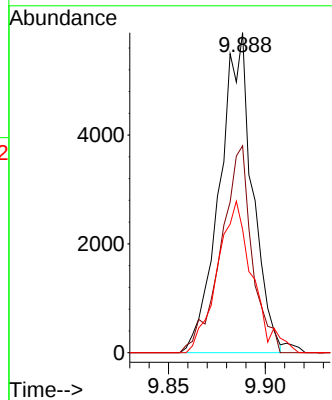
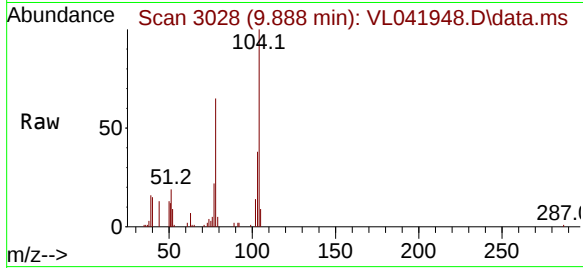
Acq: 27 Jan 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:104	Resp:	6941
Ion Ratio	Lower	Upper
104	100	
78	61.2	41.0 61.6
103	50.8	37.2 55.8



#62

Isopropylbenzene

Concen: 0.457 ppbv

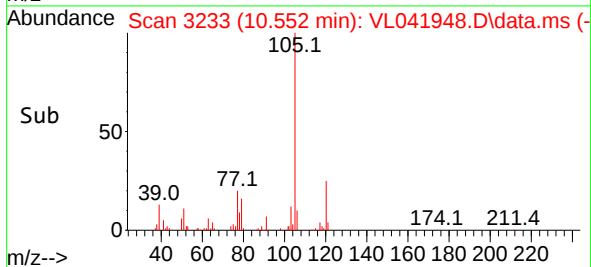
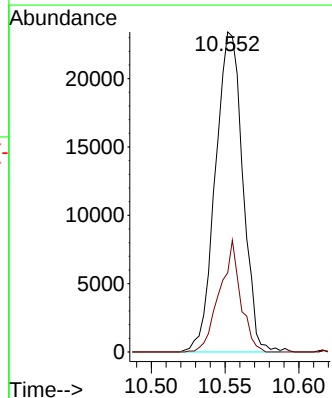
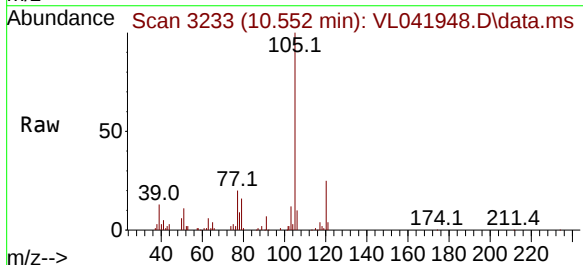
RT: 10.552 min Scan# 3233

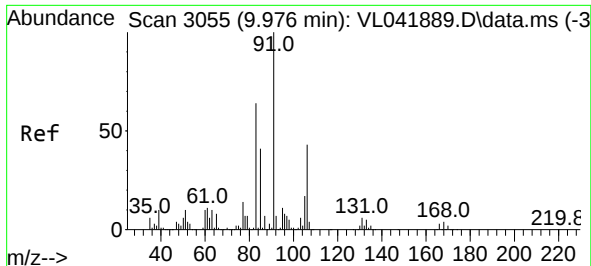
Delta R.T. 0.000 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Tgt Ion:105	Resp:	30211
Ion Ratio	Lower	Upper
105	100	
120	26.8	20.3 30.5

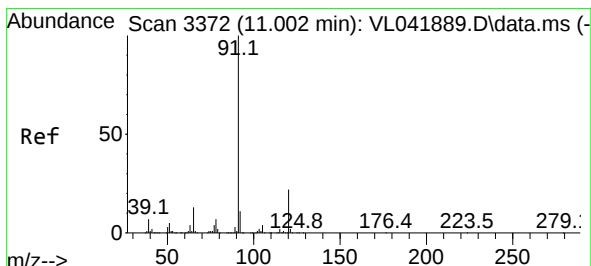
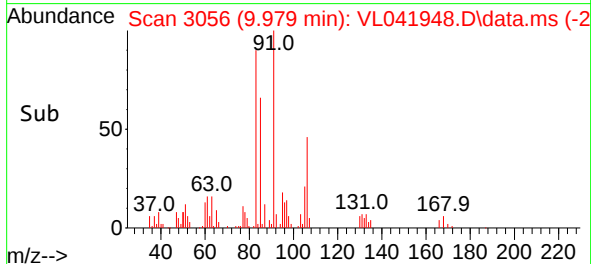
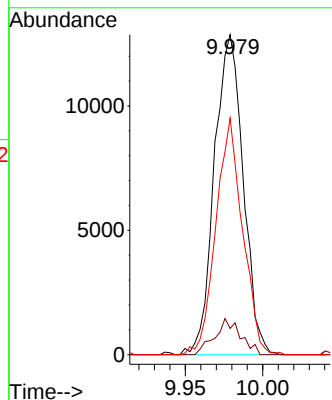
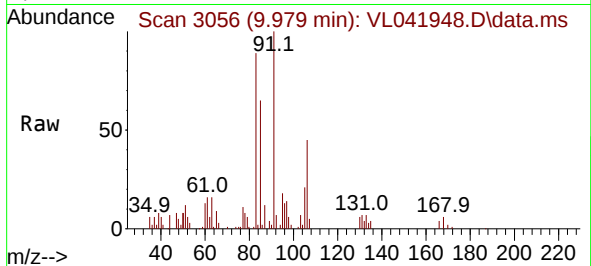




#63
1,1,2,2-Tetrachloroethane
Concen: 0.610 ppbv
RT: 9.979 min Scan# 3055
Delta R.T. 0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

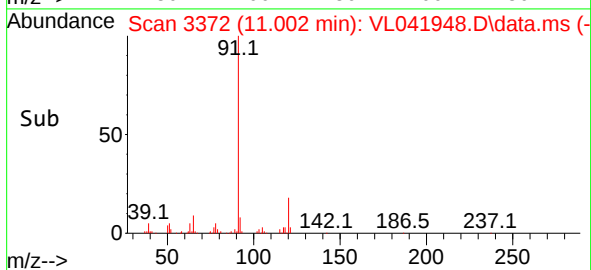
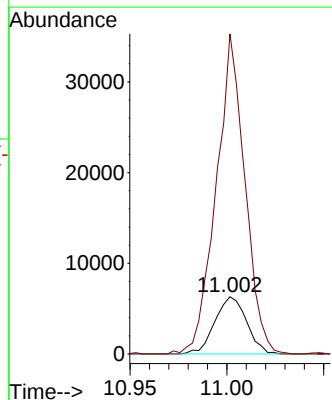
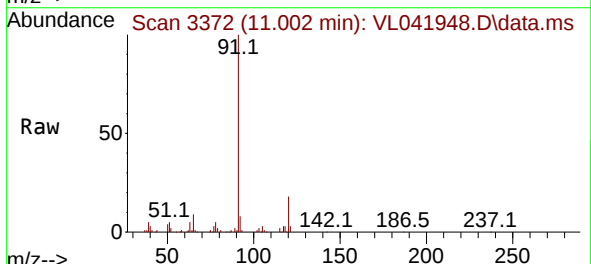
Instrument :
MSVOA_L
ClientSampleId :

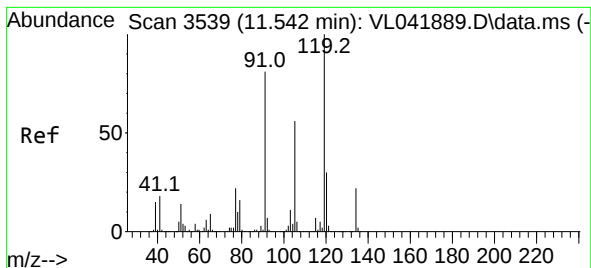
Tgt Ion: 83 Resp: 16675
Ion Ratio Lower Upper
83 100
131 10.1 4.8 14.4
85 68.4 32.4 97.2



#64
n-propylbenzene
Concen: 0.430 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion:120 Resp: 7183
Ion Ratio Lower Upper
120 100
91 509.0 374.1 561.1





#65

tert-Butylbenzene

Concen: 0.450 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.003 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

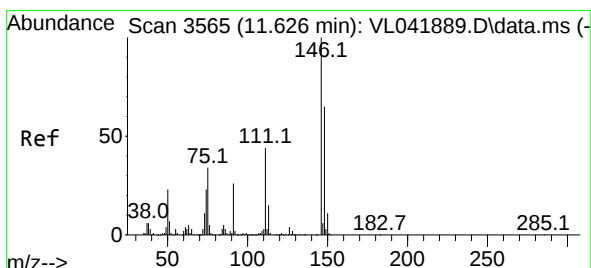
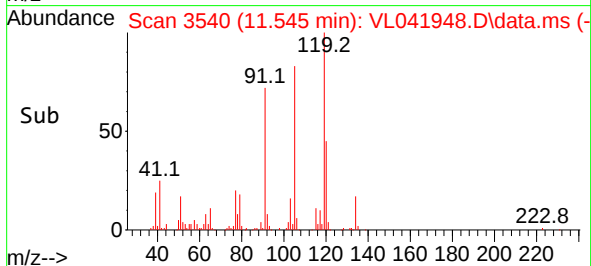
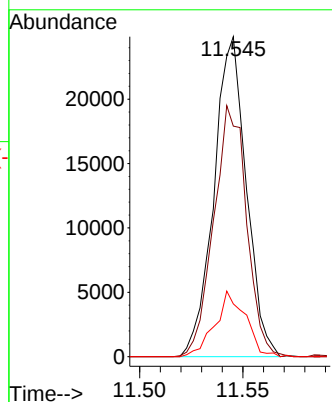
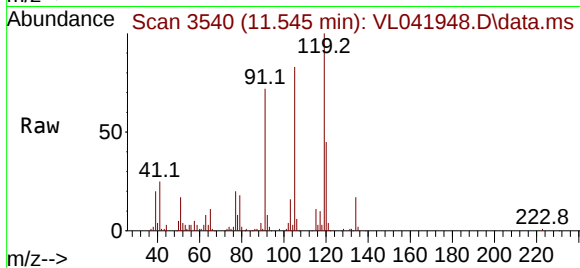
Tgt Ion:119 Resp: 27122

Ion Ratio Lower Upper

119 100

91 79.5 64.6 97.0

134 19.3 16.8 25.2



#66

Benzyl Chloride

Concen: 0.453 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.000 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

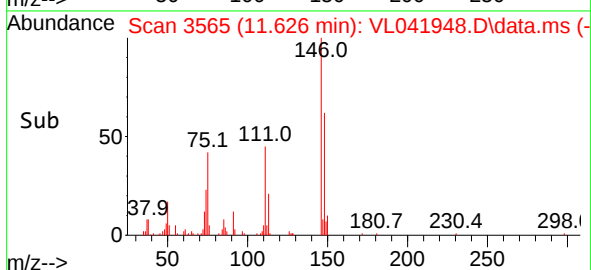
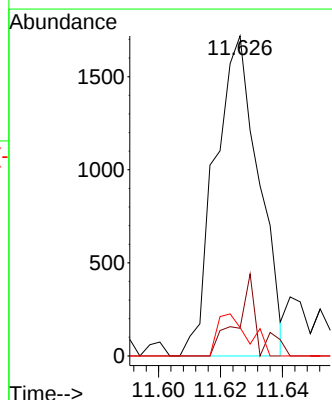
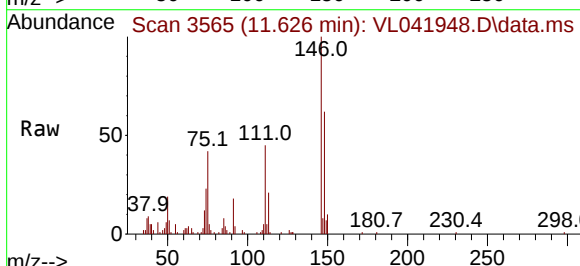
Tgt Ion: 91 Resp: 1689

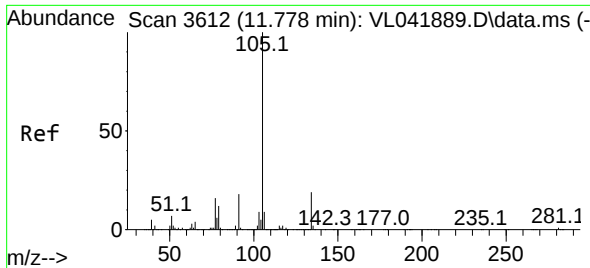
Ion Ratio Lower Upper

91 100

126 12.6 14.1 21.1#

128 9.2 4.3 6.5#

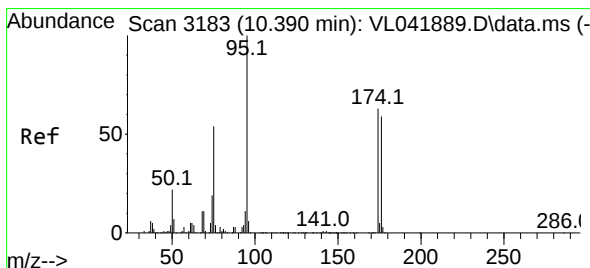
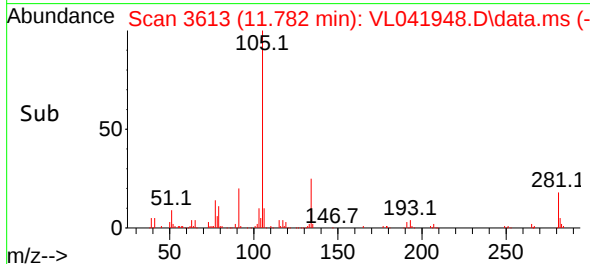
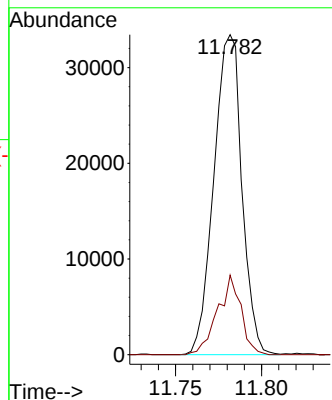
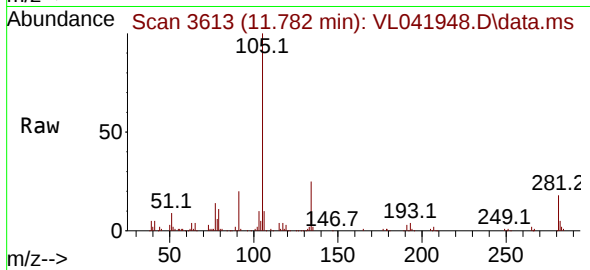




#67
 sec-Butylbenzene
 Concen: 0.457 ppbv
 RT: 11.782 min Scan# 3613
 Delta R.T. 0.003 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

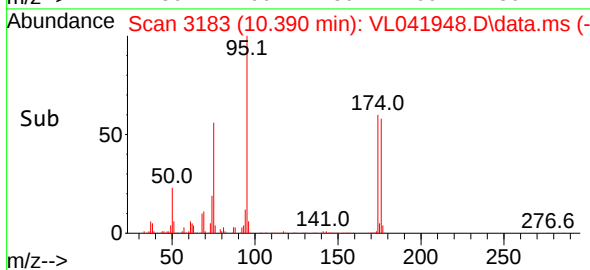
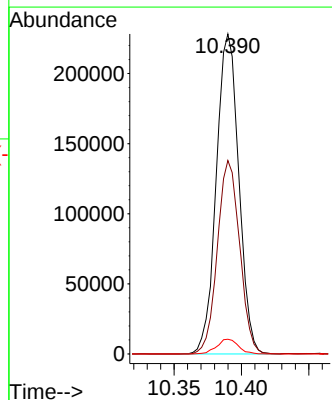
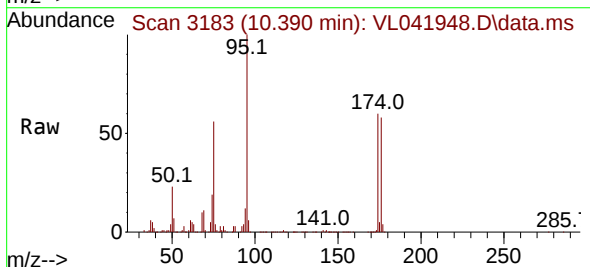
Instrument :
 MSVOA_L
 ClientSampleId :

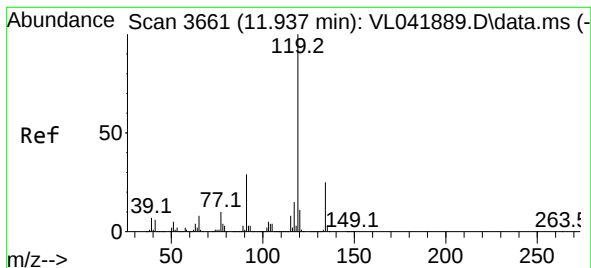
Tgt Ion:105 Resp: 37929
 Ion Ratio Lower Upper
 105 100
 134 20.7 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.780 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. 0.000 min
 Lab File: VL041948.D
 Acq: 27 Jan 2025 13:05

Tgt Ion: 95 Resp: 264875
 Ion Ratio Lower Upper
 95 100
 174 59.9 49.0 73.4
 175 4.4 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.418 ppbv

RT: 11.937 min Scan# 3661

Delta R.T. 0.000 min

Lab File: VL041948.D

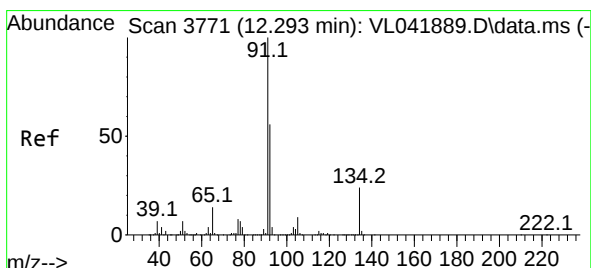
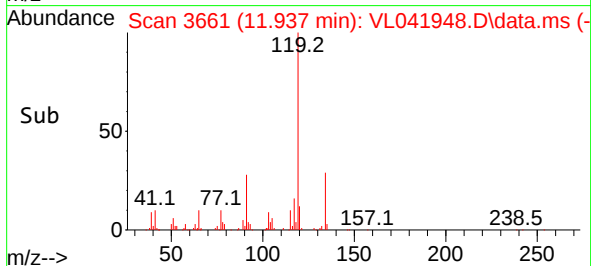
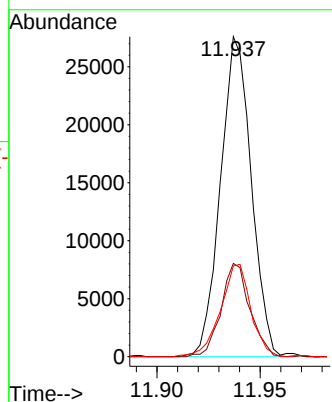
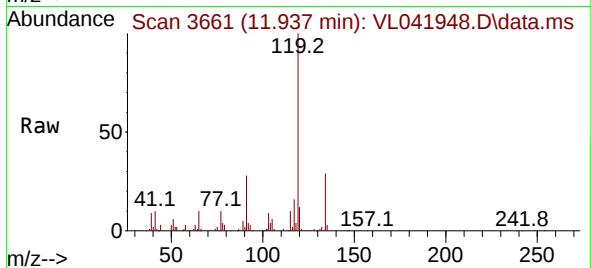
Acq: 27 Jan 2025 13:05

Instrument :

MSVOA_1

ClientSampleId :

Tgt Ion:	119	Resp:	28553
Ion	Ratio	Lower	Upper
119	100		
134	27.2	19.8	29.6
91	28.6	23.0	34.4



#70

n-Butylbenzene

Concen: 0.413 ppbv

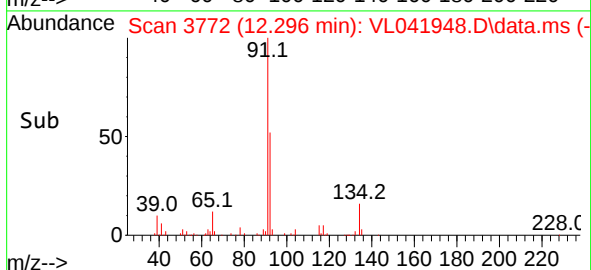
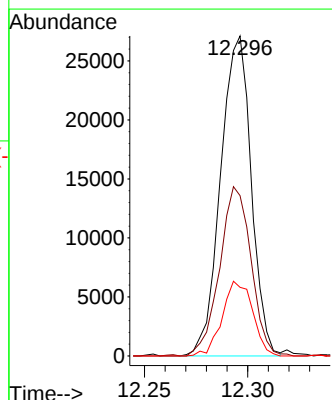
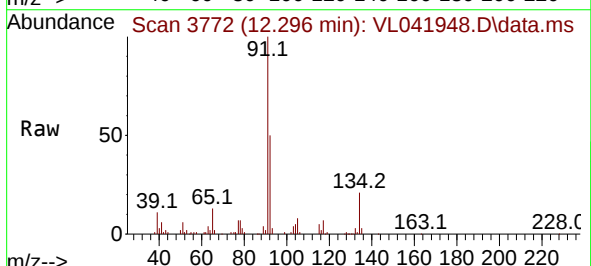
RT: 12.296 min Scan# 3772

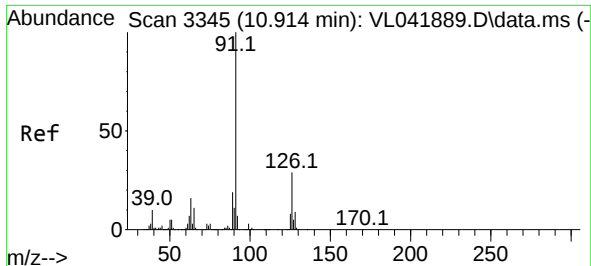
Delta R.T. 0.003 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Tgt Ion:	91	Resp:	27980
Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.6
134	23.2	19.0	28.6

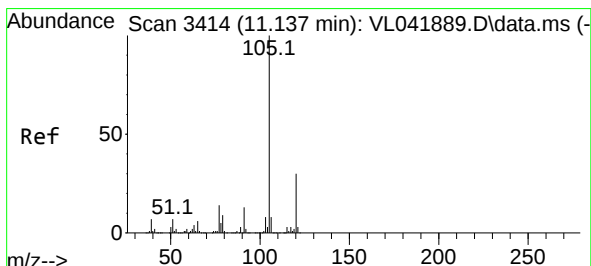
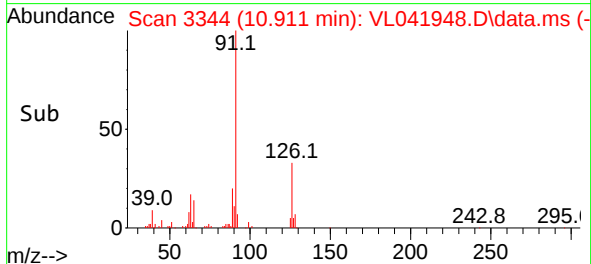
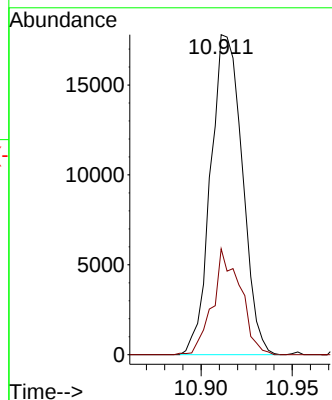
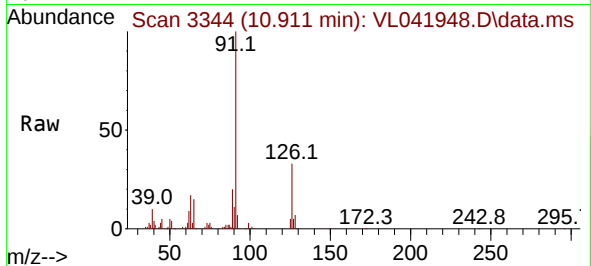




#71
2-Chlorotoluene
Concen: 0.438 ppbv
RT: 10.911 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

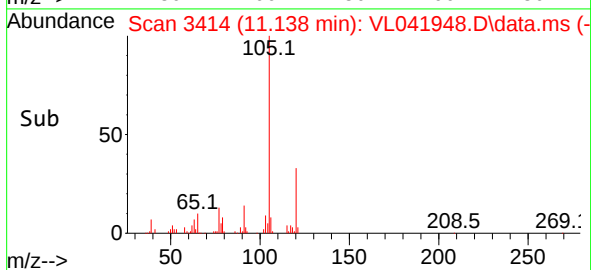
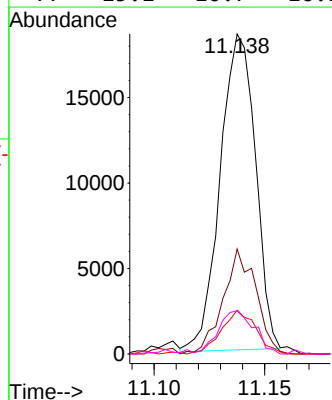
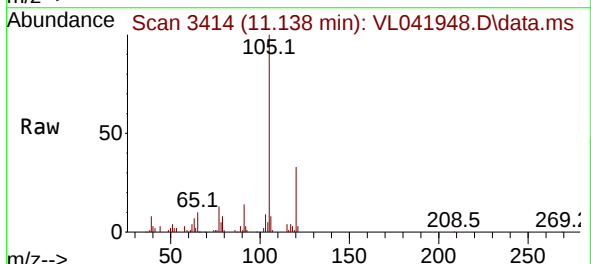
Instrument :
MSVOA_L
ClientSampleId :

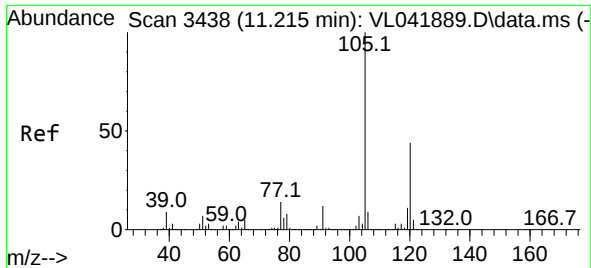
Tgt Ion: 91 Resp: 21435
Ion Ratio Lower Upper
91 100
126 29.1 11.7 46.7



#72
4-Ethyltoluene
Concen: 0.401 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion:105 Resp: 20501
Ion Ratio Lower Upper
105 100
120 32.1 23.7 35.5
91 14.0 10.2 15.2
77 15.1 10.7 16.1

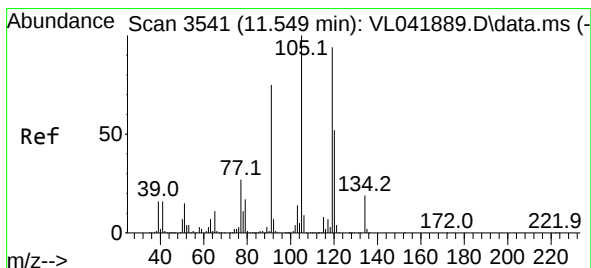
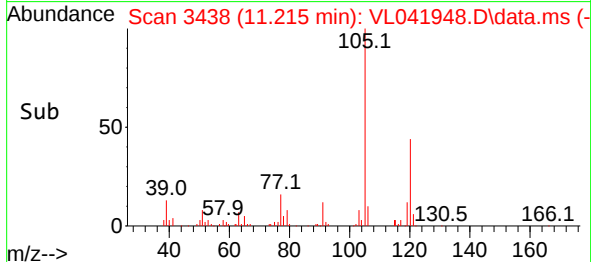
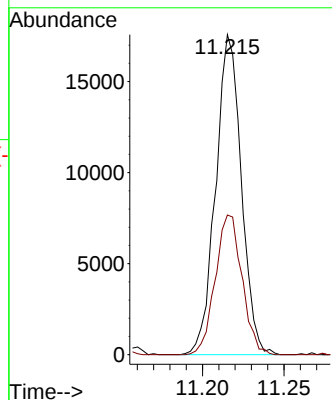
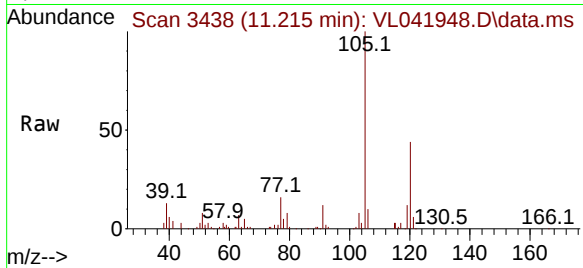




#73
1,3,5-Trimethylbenzene
Concen: 0.426 ppbv
RT: 11.215 min Scan# 3438
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

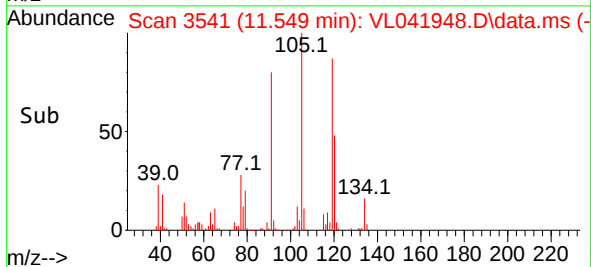
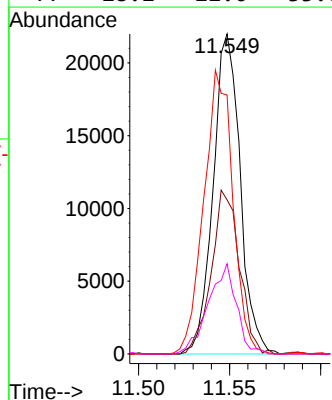
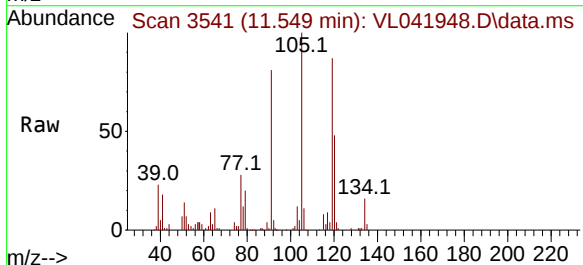
Instrument :
MSVOA_L
ClientSampleId :

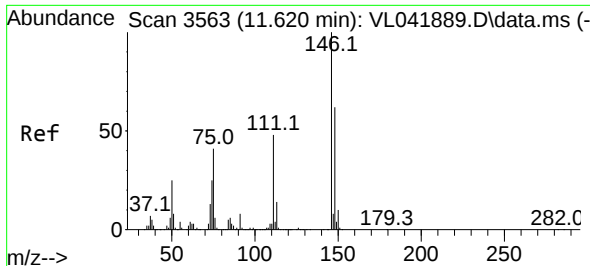
Tgt Ion:105 Resp: 19241
Ion Ratio Lower Upper
105 100
120 43.6 35.4 53.2



#74
1,2,4-Trimethylbenzene
Concen: 0.464 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion:105 Resp: 22706
Ion Ratio Lower Upper
105 100
120 48.1 41.4 62.2
91 80.9 60.2 90.2
77 28.2 22.0 33.0

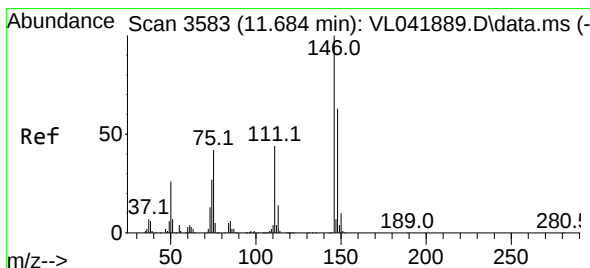
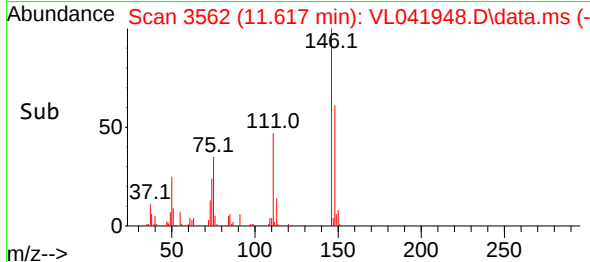
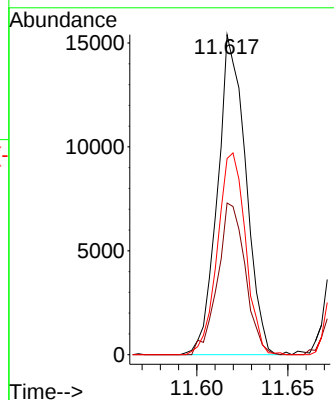
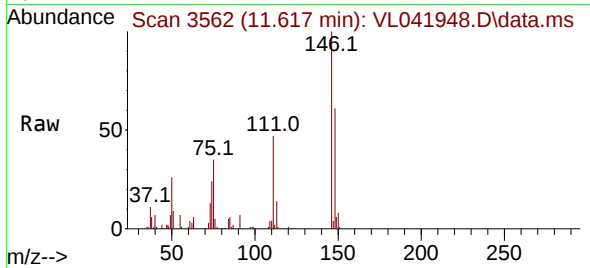




#75
1,3-Dichlorobenzene
Concen: 0.570 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

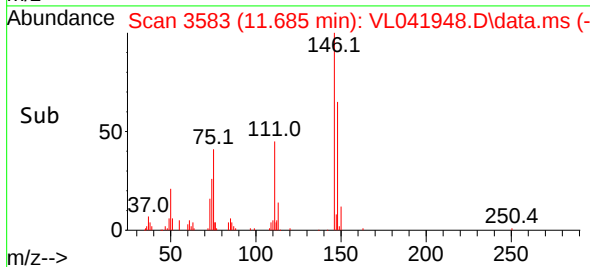
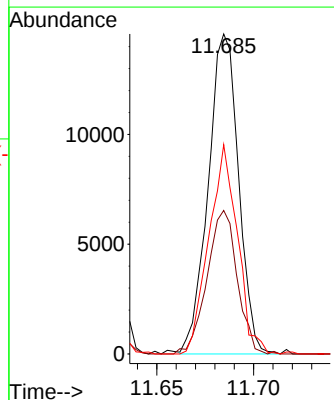
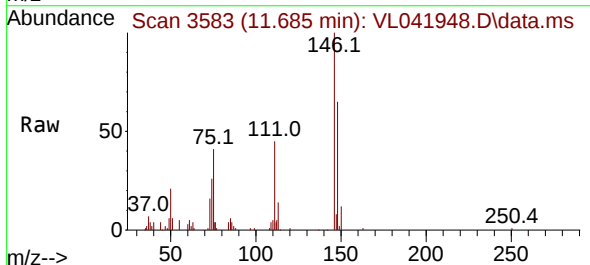
Instrument :
MSVOA_L
ClientSampleId :

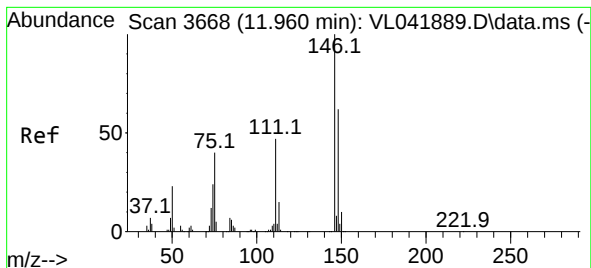
Tgt Ion:146 Resp: 16524
Ion Ratio Lower Upper
146 100
111 46.4 23.6 70.8
148 62.9 31.4 94.0



#76
1,4-Dichlorobenzene
Concen: 0.562 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion:146 Resp: 15923
Ion Ratio Lower Upper
146 100
111 44.5 22.4 67.0
148 61.7 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 0.601 ppbv

RT: 11.960 min Scan# 3668

Delta R.T. 0.000 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

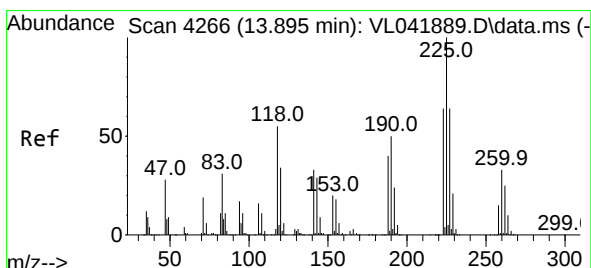
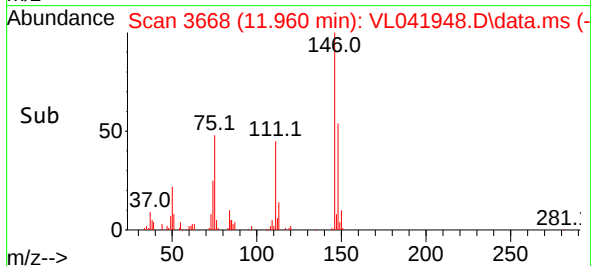
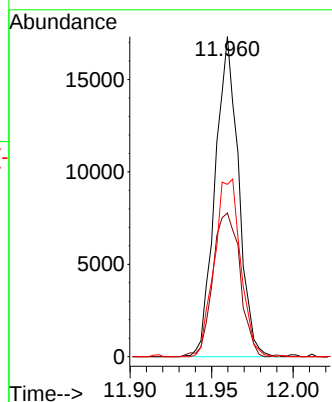
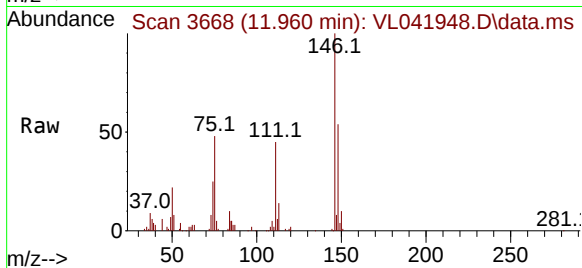
Tgt Ion:146 Resp: 17275

Ion Ratio Lower Upper

146 100

111 52.5 24.2 72.6

148 62.4 31.7 95.1



#78

Hexachloro-1,3-Butadiene

Concen: 0.598 ppbv

RT: 13.892 min Scan# 4265

Delta R.T. -0.003 min

Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

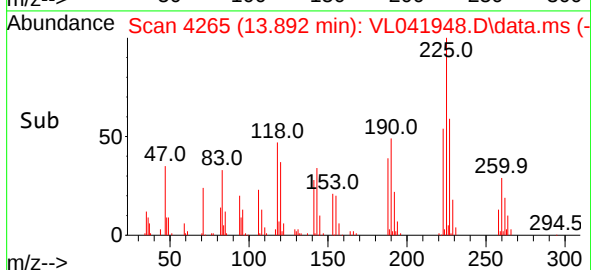
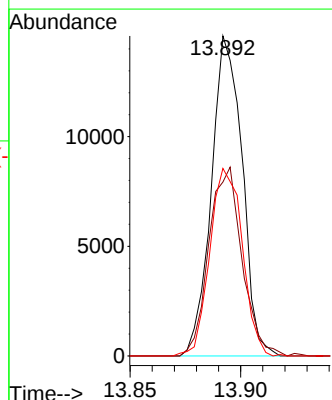
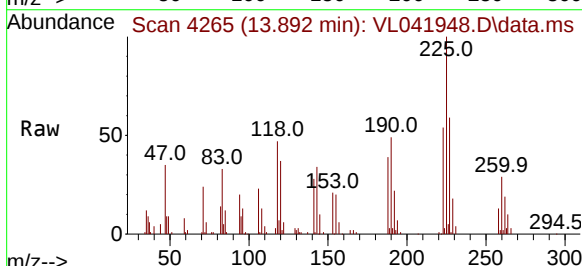
Tgt Ion:225 Resp: 14095

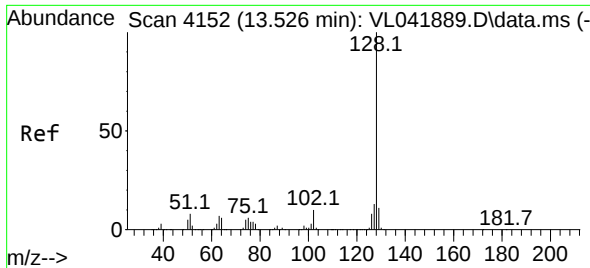
Ion Ratio Lower Upper

225 100

223 63.8 50.8 76.2

227 62.0 50.3 75.5

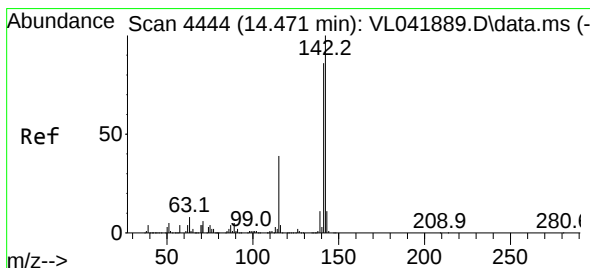
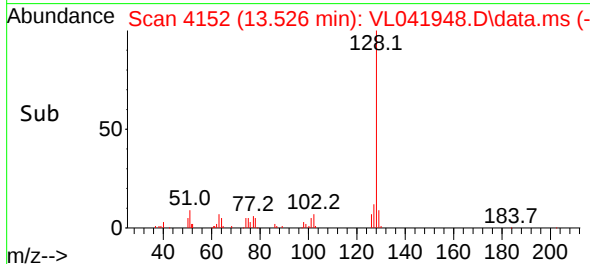
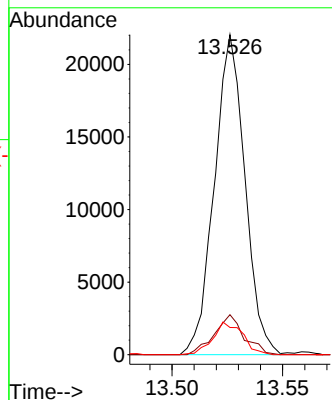
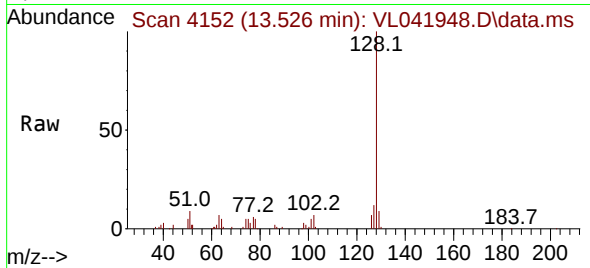




#79
Naphthalene
Concen: 0.431 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

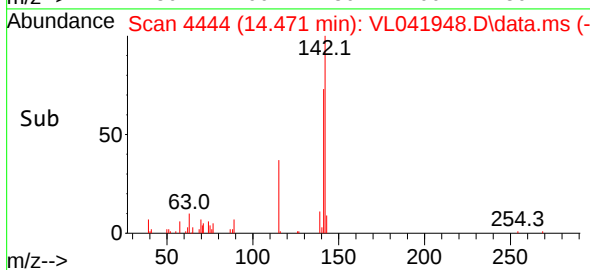
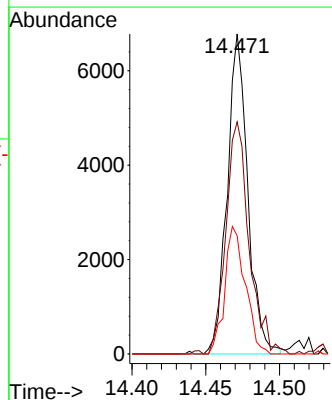
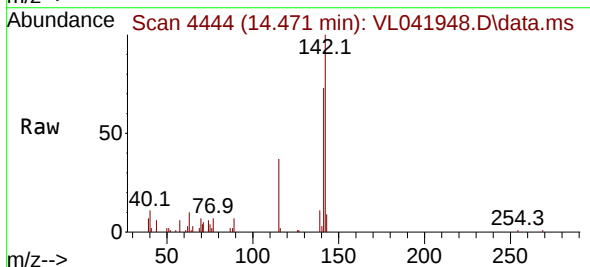
Instrument :
MSVOA_L
ClientSampleId :

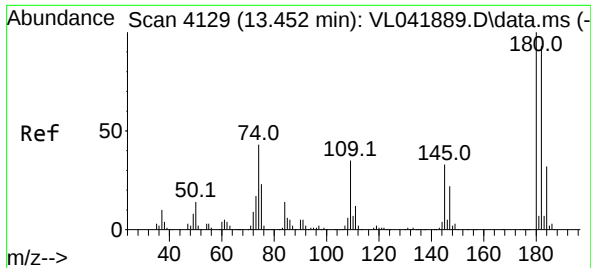
Tgt Ion:128 Resp: 21208
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 8.5 9.1 13.7#



#80
Naphthalene,2-methyl-
Concen: 0.282 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.000 min
Lab File: VL041948.D
Acq: 27 Jan 2025 13:05

Tgt Ion:142 Resp: 6592
Ion Ratio Lower Upper
142 100
141 81.8 68.1 102.1
115 39.7 31.7 47.5





#81

1,2,4-Trichlorobenzene

Concen: 0.490 ppbv

RT: 13.455 min Scan# 41

Delta R.T. 0.003 min

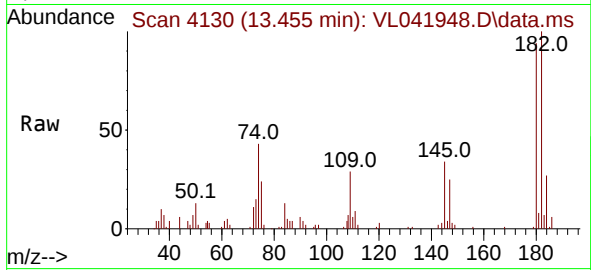
Lab File: VL041948.D

Acq: 27 Jan 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 11777

Ion Ratio Lower Upper

180 100

182 99.4 77.0 115.6

184 29.0 24.9 37.3

