

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
 Data File : VL042438.D
 Acq On : 29 Apr 2025 10:08
 Operator : SY/MD
 Sample : VL0429ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0429ABS01

Quant Time: Apr 30 01:17:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	116772	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	317590	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	272312	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	253021	11.307	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	238539	11.562	ppbv	96
3) Chlorodifluoromethane	1.476	51	192670	9.807	ppbv	92
4) Chloromethane	1.534	50	89832	11.003	ppbv	94
5) Vinyl Chloride	1.580	62	85334	9.601	ppbv	99
6) Bromomethane	1.667	94	40758	10.676	ppbv	94
7) Chloroethane	1.706	64	33756	10.502	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	198106	11.184	ppbv	95
9) Propene	1.486	41	70111	7.836	ppbv	97
10) Heptane	4.981	43	190583	7.582	ppbv	99
11) Trichlorofluoromethane	1.877	101	225308	11.484	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	174111	10.854	ppbv	97
13) Ethanol	1.722	45	4137	2.909	ppbv	90
14) Bromoethene	1.783	108	64544	10.674	ppbv #	98
15) Acetone	1.835	43	189432	9.910	ppbv	98
16) 1,3-Butadiene	1.609	39	90473	9.895	ppbv	93
17) tert-Butyl alcohol	2.042	59	230217	9.718	ppbv	99
18) 1,1-Dichloroethene	2.036	96	76749	10.241	ppbv	96
19) Isopropyl Alcohol	1.887	45	103692	9.765	ppbv #	36
20) Methylene Chloride	2.062	84	67298	8.989	ppbv	91
21) Allyl Chloride	2.097	41	130014	9.851	ppbv	95
22) trans-1,2-Dichloroethene	2.340	96	84797	9.938	ppbv	90
23) Vinyl Acetate	2.463	43	61036	7.888	ppbv #	95
24) 1,1-Dichloroethane	2.408	63	177233	10.934	ppbv	98
25) Ethyl Acetate	2.839	43	416465	8.836	ppbv	99
26) Hexane	2.826	57	157544	8.260	ppbv	97
27) Carbon Disulfide	2.149	76	211824	10.372	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	116769	9.344	ppbv	94
29) Chloroform	2.852	83	286397	10.623	ppbv	96
30) Cyclohexane	3.858	84	132615	8.601	ppbv	95
31) cis-1,2-Dichloroethene	2.722	61	174328	9.613	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	312429	10.294	ppbv	99
34) 2-Butanone	2.560	43	233037	9.278	ppbv	98
35) Carbon Tetrachloride	3.764	117	317207	11.036	ppbv	93
36) Benzene	3.658	78	317350	9.264	ppbv	96
37) 1,2-Dichloroethane	3.221	62	247446	12.035	ppbv #	96
38) Trichloroethene	4.551	130	127601	8.523	ppbv	91
39) 1,2-Dichloropropane	4.318	63	115449	9.044	ppbv	92
40) 1,4-Dioxane	4.586	88	52820	7.529	ppbv #	92
41) Tetrahydrofuran	3.055	42	124059	8.471	ppbv	98
42) Bromodichloromethane	4.493	83	317253	11.088	ppbv	99
43) Methyl Methacrylate	4.887	69	61150	3.961	ppbv #	1
44) 2,2,4-Trimethylpentane	4.641	57	531439	8.983	ppbv	95
45) t-1,3-Dichloropropene	6.418	75	140981	8.940	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042925\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

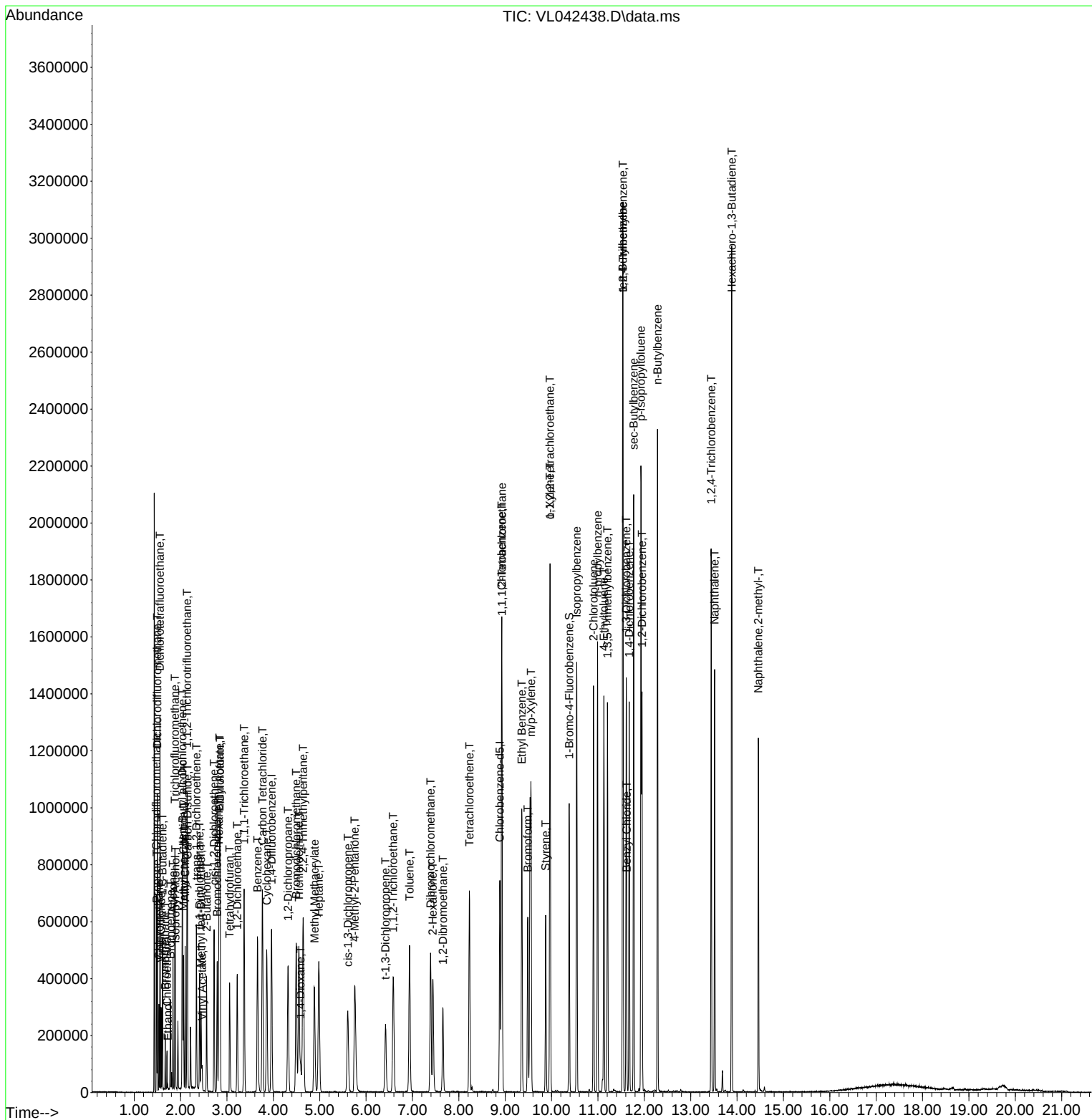
Instrument :
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 ClientSampleId :
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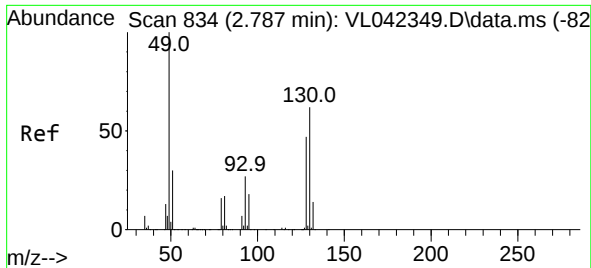
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	170063	8.811	ppbv #	84
47) 1,1,2-Trichloroethane	6.583	97	128662	9.893	ppbv	95
48) Dibromochloromethane	7.389	129	233350	10.156	ppbv	100
49) Bromoform	9.487	173	189484	9.431	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	327508	7.846	ppbv	98
51) 2-Hexanone	7.438	43	262697	7.018	ppbv #	95
52) Tetrachloroethene	8.228	164	106031	8.008	ppbv	90
53) Toluene	6.936	91	363707	8.848	ppbv	99
54) 1,2-Dibromoethane	7.658	107	178709	9.601	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.930	131	180979	10.981	ppbv	96
57) Chlorobenzene	8.924	112	290861	10.270	ppbv	99
58) Ethyl Benzene	9.357	91	545497	10.111	ppbv	98
59) m/p-Xylene	9.555	91	424567	9.768	ppbv #	31
60) o-Xylene	9.966	91	465645	10.639	ppbv	94
61) Styrene	9.872	104	191741	9.178	ppbv	97
62) Isopropylbenzene	10.542	105	667839	10.393	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.966	83	278491	9.819	ppbv	99
64) n-propylbenzene	10.992	120	161309	9.987	ppbv	91
65) tert-Butylbenzene	11.535	119	605972	10.260	ppbv	98
66) Benzyl Chloride	11.620	91	46913	7.229	ppbv	99
67) sec-Butylbenzene	11.772	105	868275	10.569	ppbv	98
69) p-Isopropyltoluene	11.927	119	733796	10.282	ppbv	96
70) n-Butylbenzene	12.283	91	796622	10.717	ppbv	98
71) 2-Chlorotoluene	10.904	91	534951	10.614	ppbv	96
72) 4-Ethyltoluene	11.128	105	553879	10.351	ppbv	97
73) 1,3,5-Trimethylbenzene	11.205	105	491459	10.403	ppbv	95
74) 1,2,4-Trimethylbenzene	11.539	105	548408	9.939	ppbv #	86
75) 1,3-Dichlorobenzene	11.610	146	284809	9.931	ppbv	97
76) 1,4-Dichlorobenzene	11.675	146	285571	9.907	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	282424	10.128	ppbv	96
78) Hexachloro-1,3-Butadiene	13.885	225	280954	9.977	ppbv	98
79) Naphthalene	13.516	128	621879	9.425	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	312733	8.317	ppbv	95
81) 1,2,4-Trichlorobenzene	13.442	180	269082	9.498	ppbv	99

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

Quant Time: Apr 30 01:17:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
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Response via : Initial Calibration

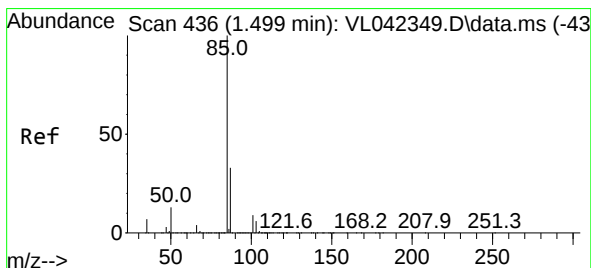
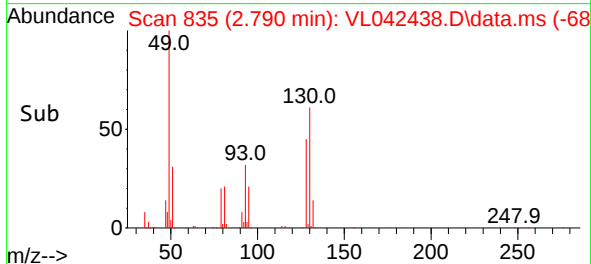
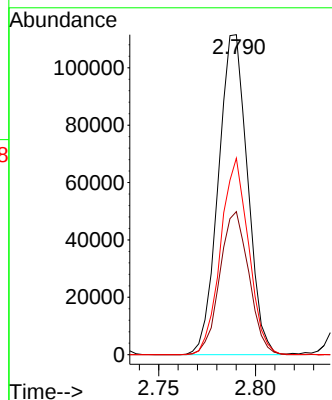
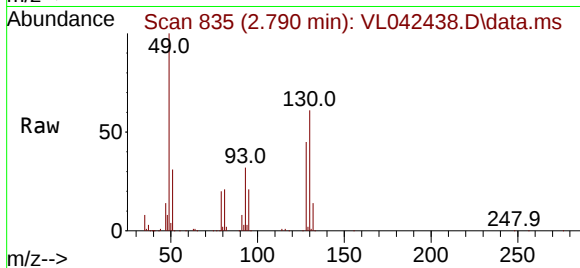




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

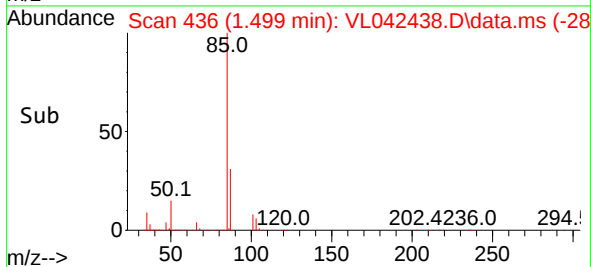
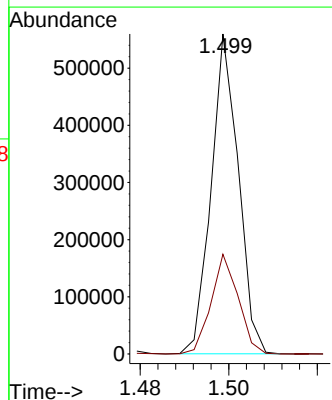
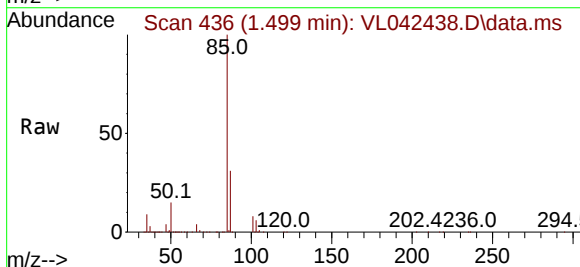
Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

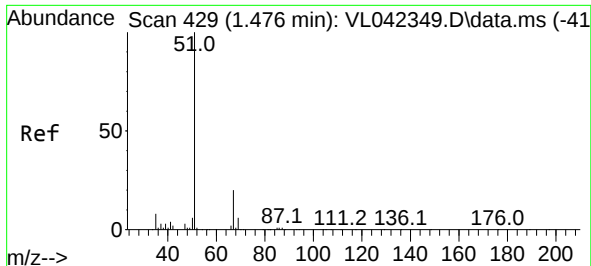
Tgt Ion: 49 Resp: 116772
Ion Ratio Lower Upper
49 100
128 44.5 22.8 68.4
130 58.8 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 11.562 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 85 Resp: 238539
Ion Ratio Lower Upper
85 100
87 31.2 26.6 39.8

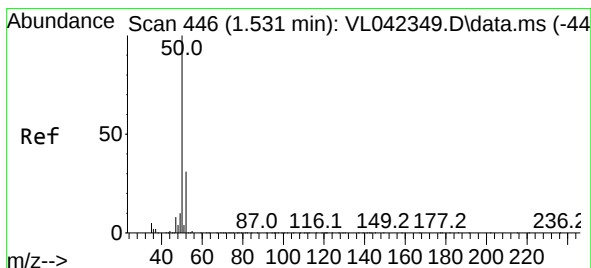
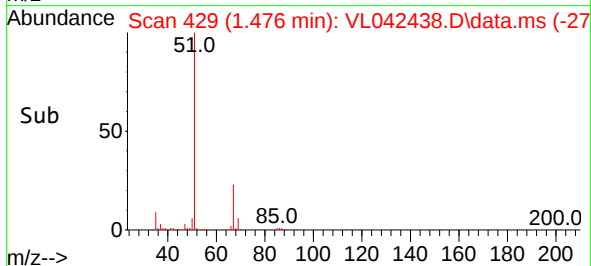
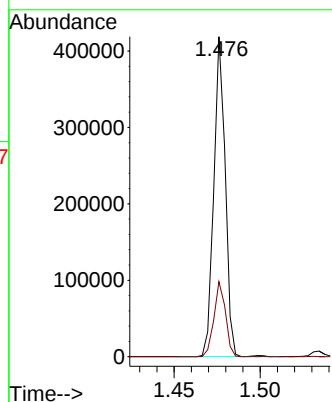
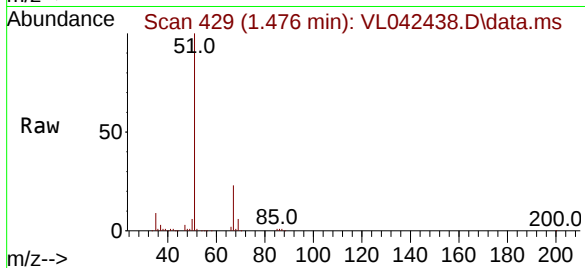




#3
Chlorodifluoromethane
Concen: 9.807 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

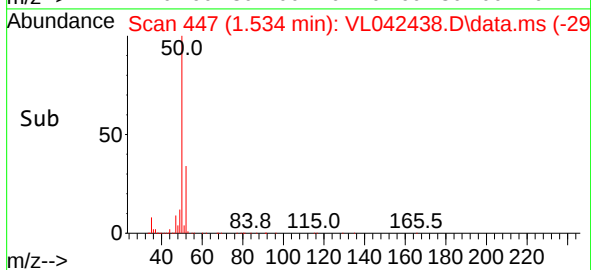
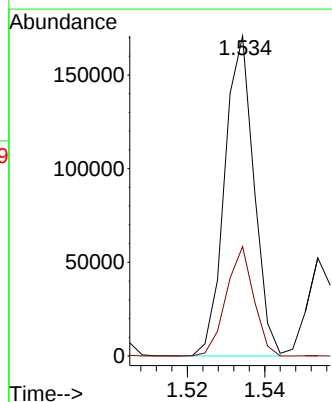
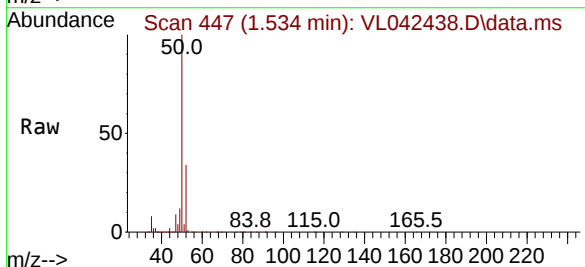
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MSVOA_L
ClientSampleId :
VL0429ABS01

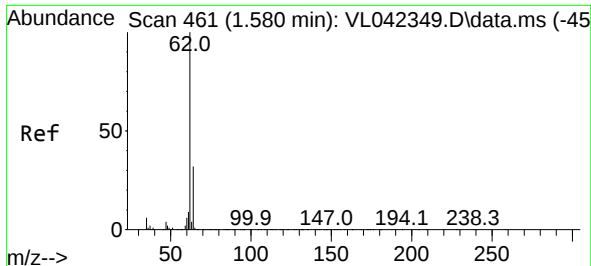
Tgt Ion: 51 Resp: 192670
Ion Ratio Lower Upper
51 100
67 23.8 16.2 24.4



#4
Chloromethane
Concen: 11.003 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 50 Resp: 89832
Ion Ratio Lower Upper
50 100
52 34.2 24.7 37.1

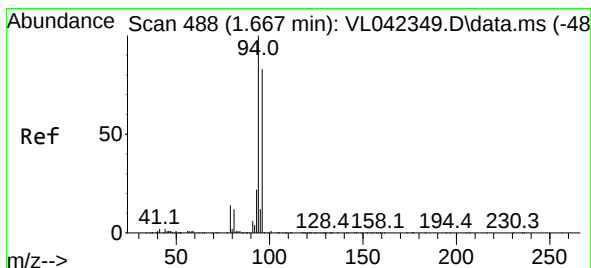
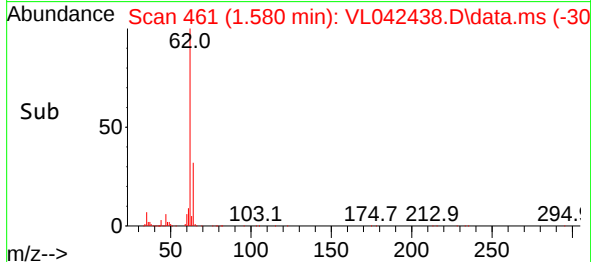
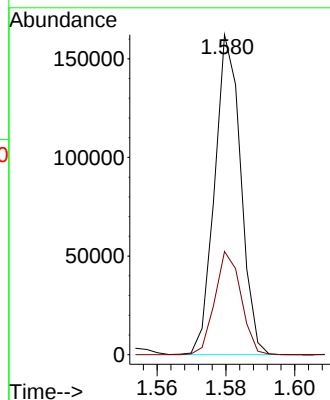
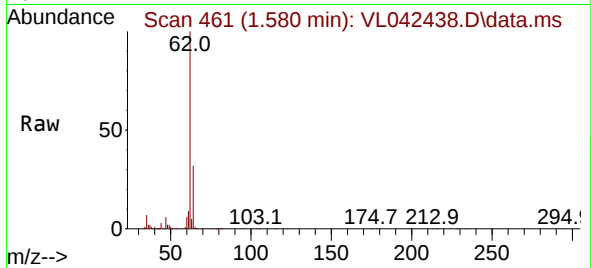




#5
 Vinyl Chloride
 Concen: 9.601 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042438.D
 Acq: 29 Apr 2025 10:08

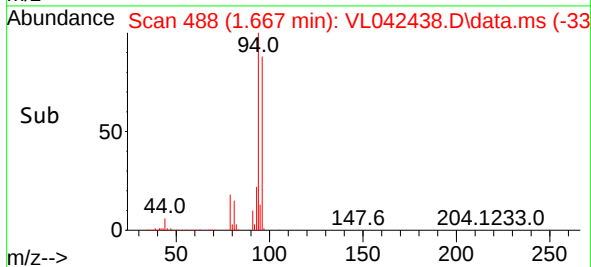
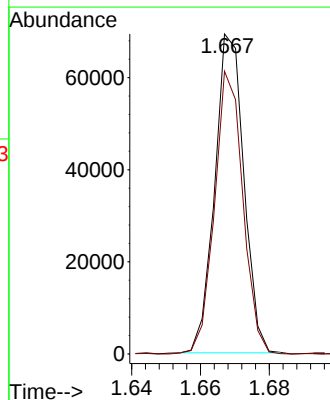
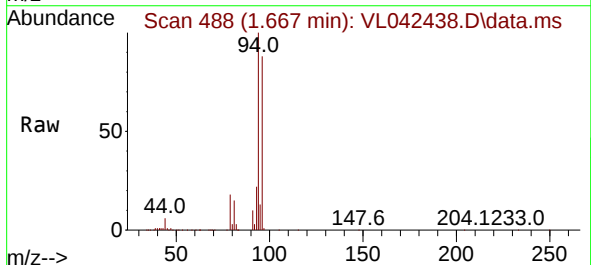
Instrument :
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 ClientSampleId :
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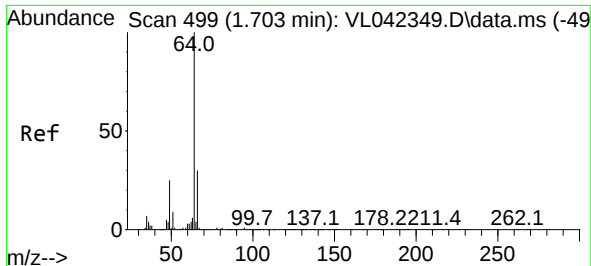
Tgt Ion: 62 Resp: 85334
 Ion Ratio Lower Upper
 62 100
 64 32.3 25.4 38.0



#6
 Bromomethane
 Concen: 10.676 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042438.D
 Acq: 29 Apr 2025 10:08

Tgt Ion: 94 Resp: 40758
 Ion Ratio Lower Upper
 94 100
 96 88.5 66.2 99.2

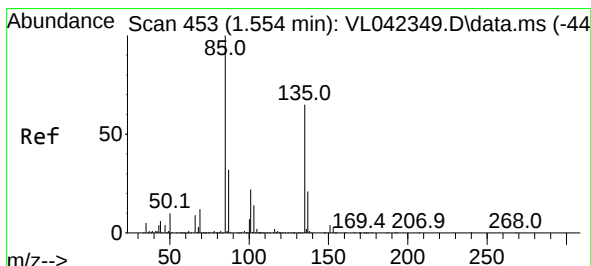
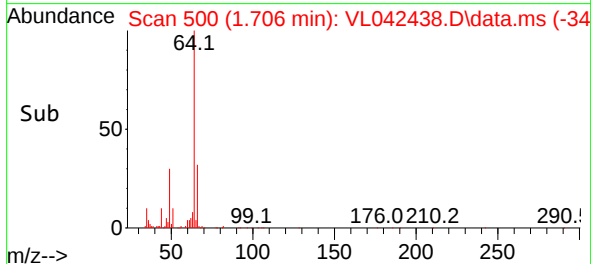
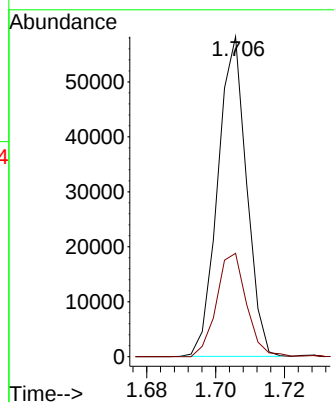
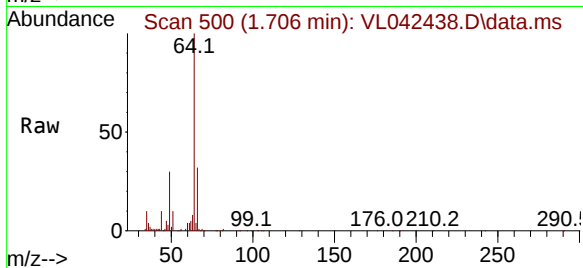




#7
Chloroethane
Concen: 10.502 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

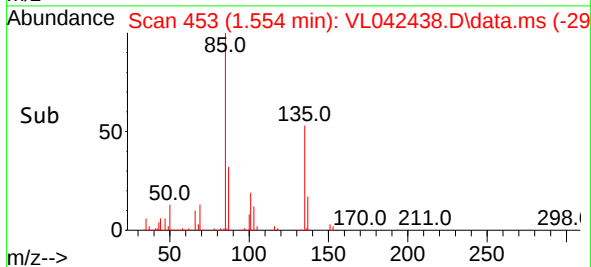
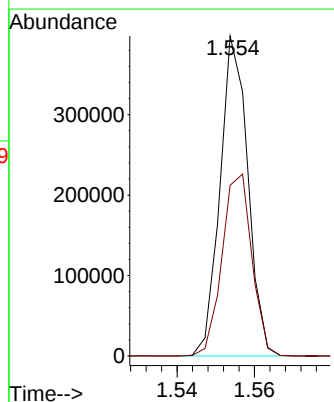
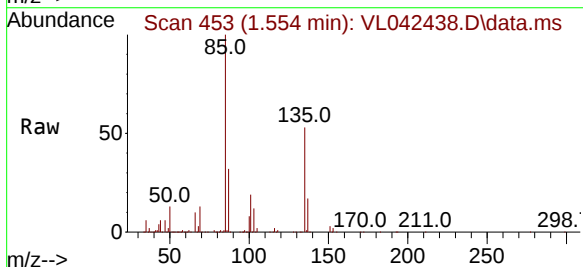
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ClientSampleId :
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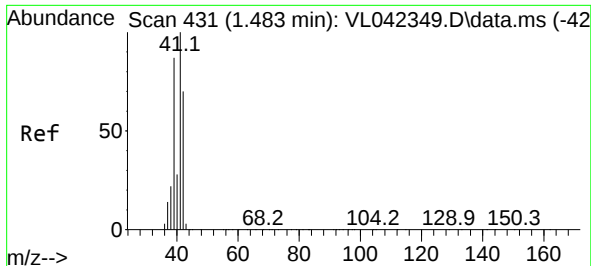
Tgt Ion: 64 Resp: 33756
Ion Ratio Lower Upper
64 100
66 32.3 24.6 37.0



#8
Dichlorotetrafluoroethane
Concen: 11.184 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 85 Resp: 198106
Ion Ratio Lower Upper
85 100
135 61.2 52.2 78.2





#9

Propene

Concen: 7.836 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

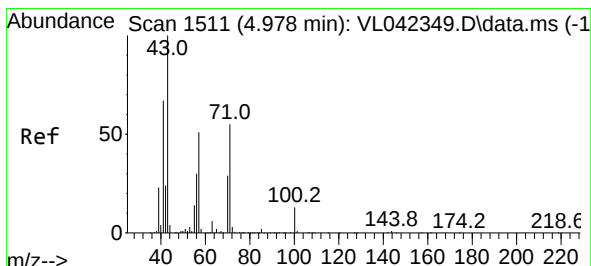
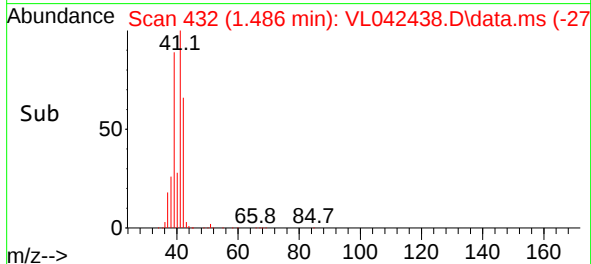
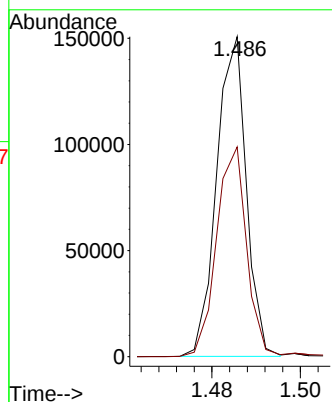
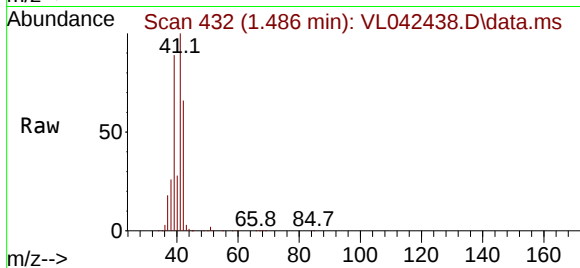
VL0429ABS01

Tgt Ion: 41 Resp: 70111

Ion Ratio Lower Upper

41 100

42 67.7 56.2 84.4



#10

Heptane

Concen: 7.582 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. 0.003 min

Lab File: VL042438.D

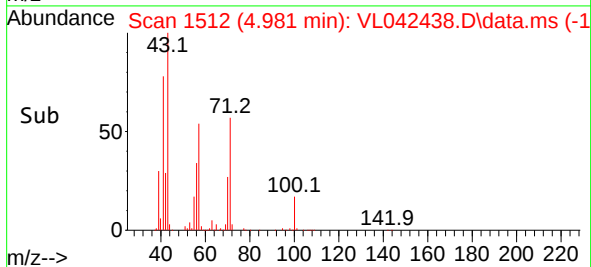
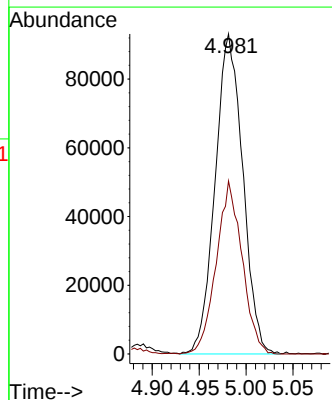
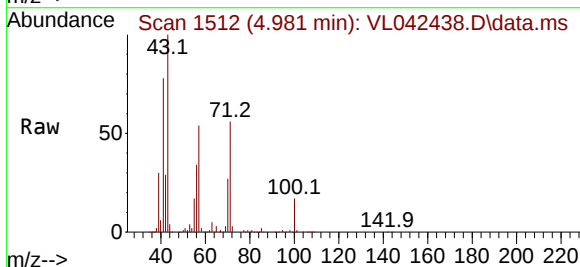
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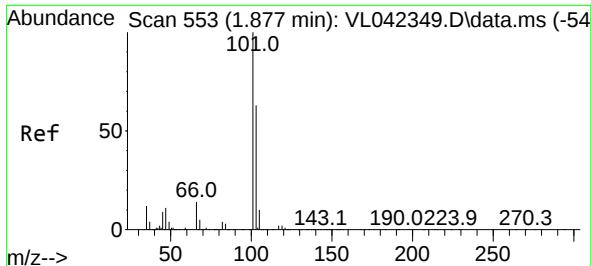
Tgt Ion: 43 Resp: 190583

Ion Ratio Lower Upper

43 100

57 50.6 39.9 59.9

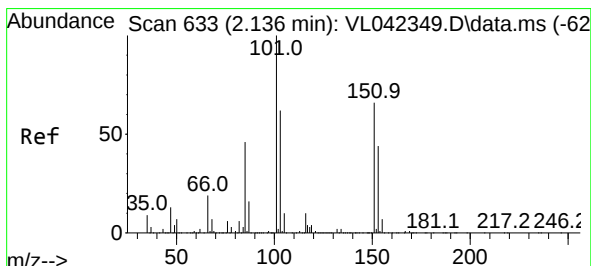
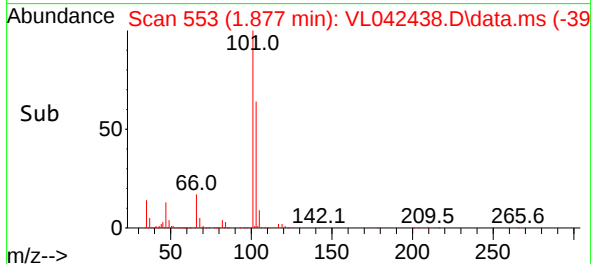
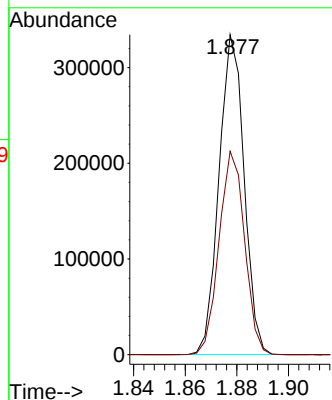
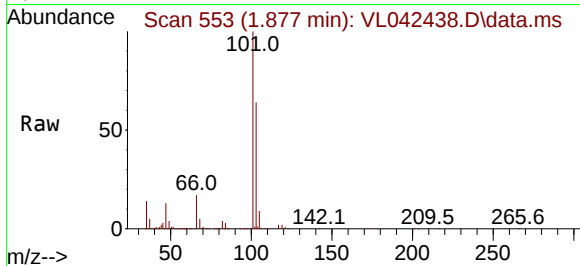




#11
 Trichlorofluoromethane
 Concen: 11.484 ppbv
 RT: 1.877 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL042438.D
 Acq: 29 Apr 2025 10:08

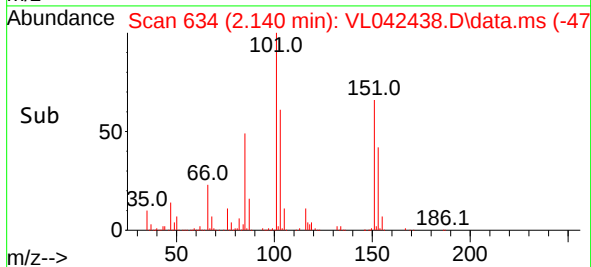
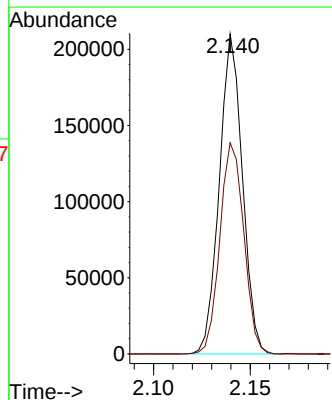
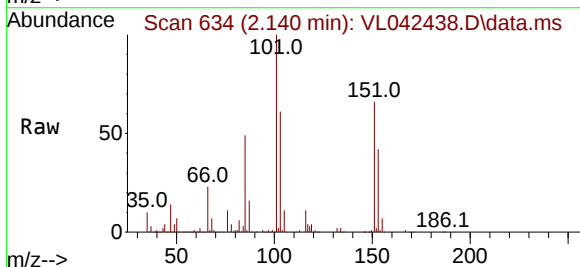
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0429ABS01

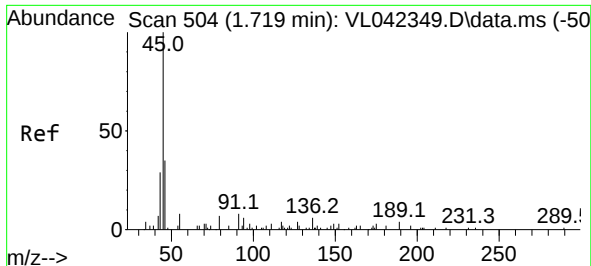
Tgt Ion:101 Resp: 225308
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.854 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL042438.D
 Acq: 29 Apr 2025 10:08

Tgt Ion:101 Resp: 174111
 Ion Ratio Lower Upper
 101 100
 151 68.5 57.0 85.6

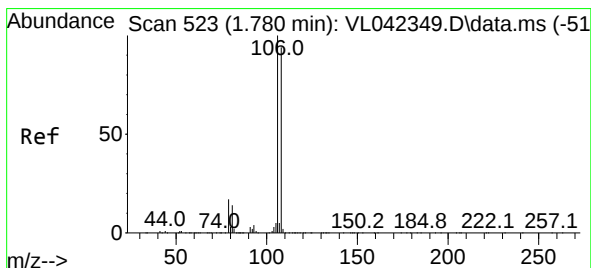
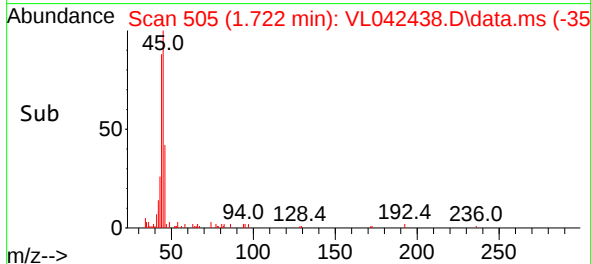
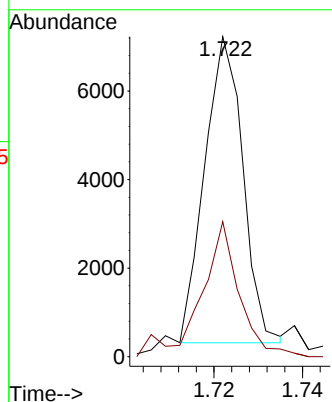
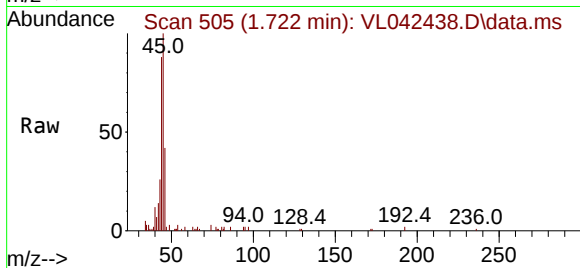




#13
Ethanol
Concen: 2.909 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

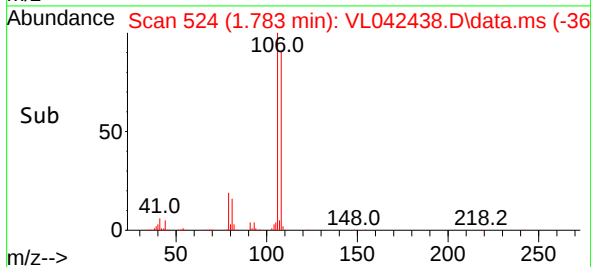
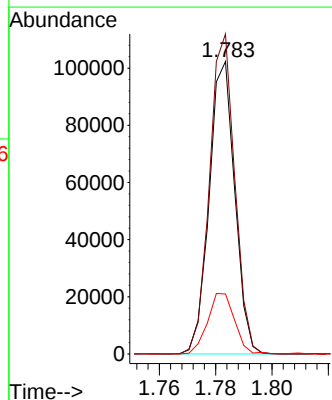
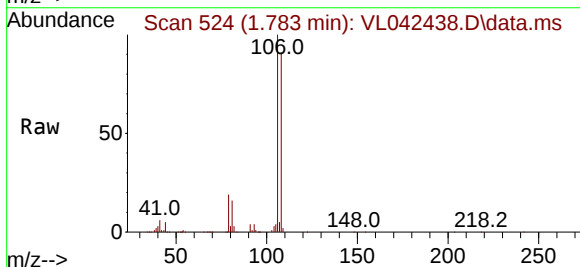
Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

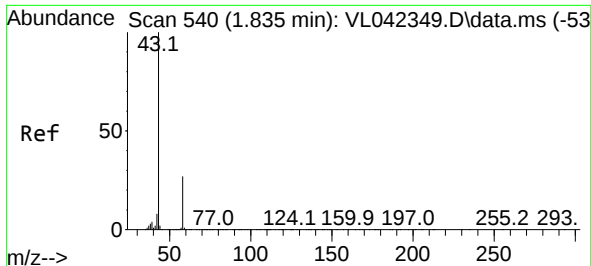
Tgt Ion: 45 Resp: 4137
Ion Ratio Lower Upper
45 100
46 47.5 21.9 87.7



#14
Bromoethene
Concen: 10.674 ppbv
RT: 1.783 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 108 Resp: 64544
Ion Ratio Lower Upper
108 100
106 108.0 85.9 128.9
79 22.1 13.9 20.9#

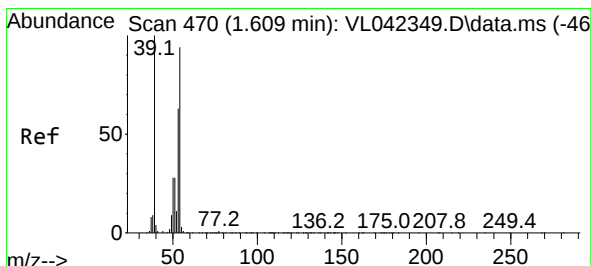
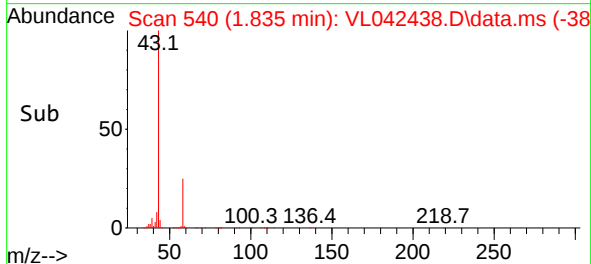
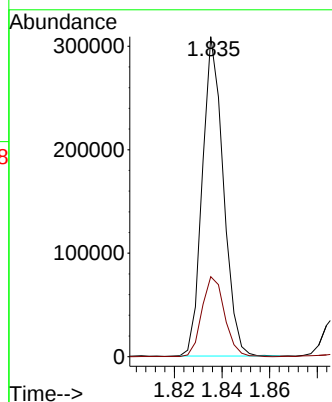
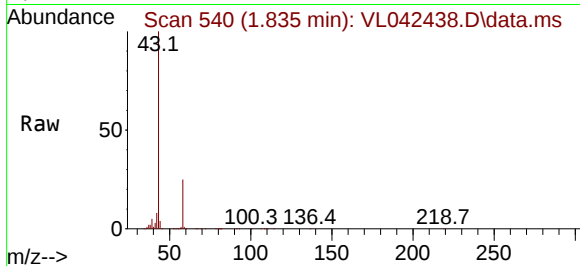




#15
Acetone
Concen: 9.910 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

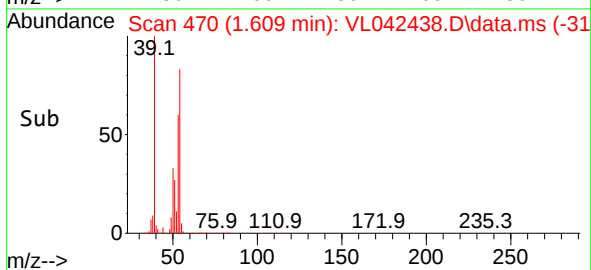
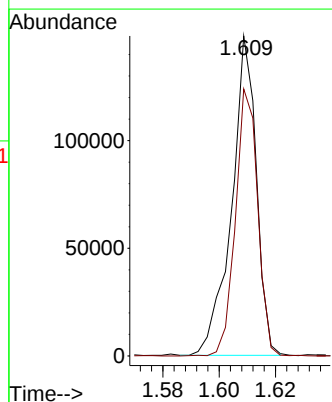
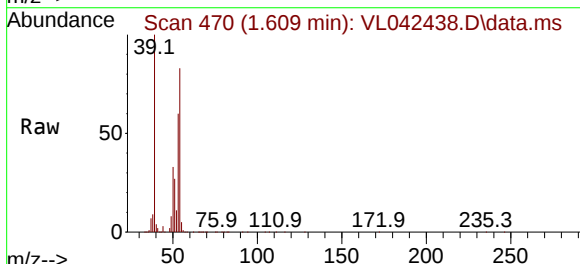
Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

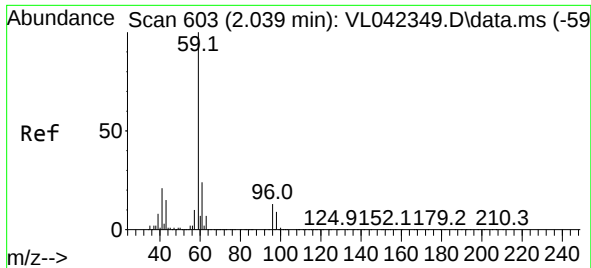
Tgt Ion: 43 Resp: 189432
Ion Ratio Lower Upper
43 100
58 27.1 22.4 33.6



#16
1,3-Butadiene
Concen: 9.895 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 39 Resp: 90473
Ion Ratio Lower Upper
39 100
54 75.1 64.9 97.3

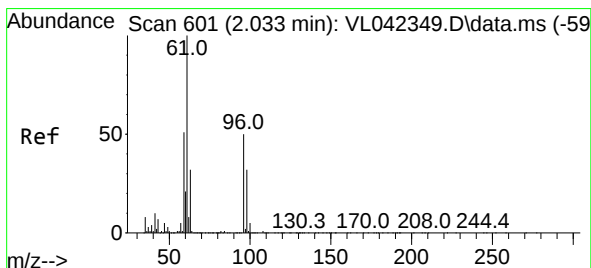
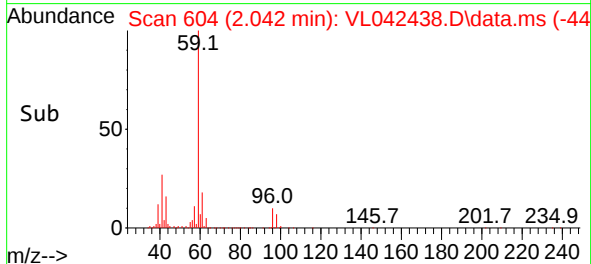
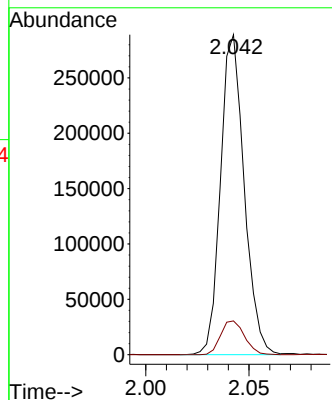
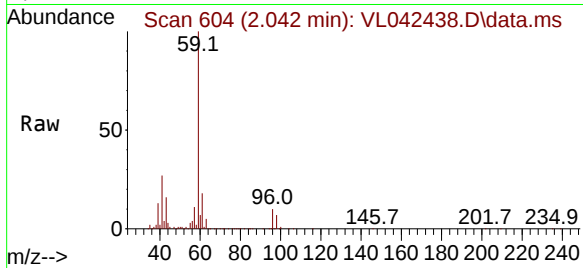




#17
tert-Butyl alcohol
Concen: 9.718 ppbv
RT: 2.042 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

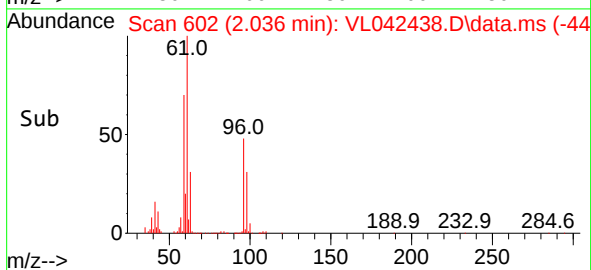
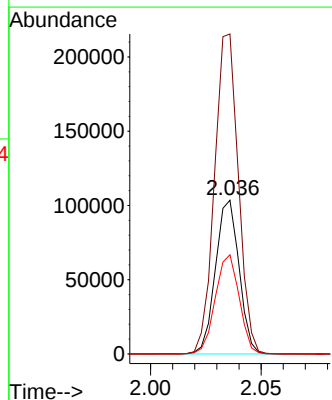
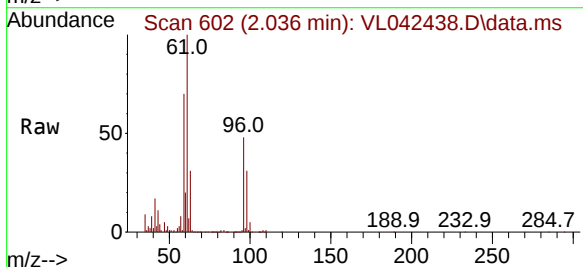
Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

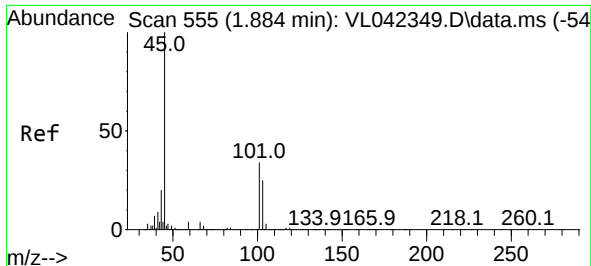
Tgt Ion: 59 Resp: 230217
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1



#18
1,1-Dichloroethene
Concen: 10.241 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 96 Resp: 76749
Ion Ratio Lower Upper
96 100
61 208.1 160.2 240.2
98 64.5 51.0 76.4

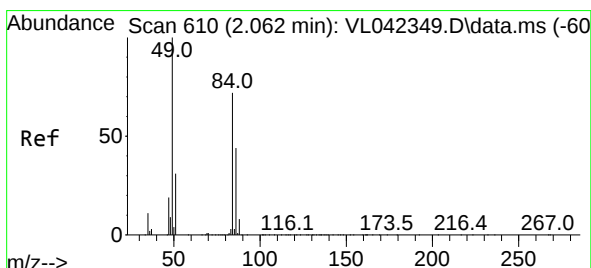
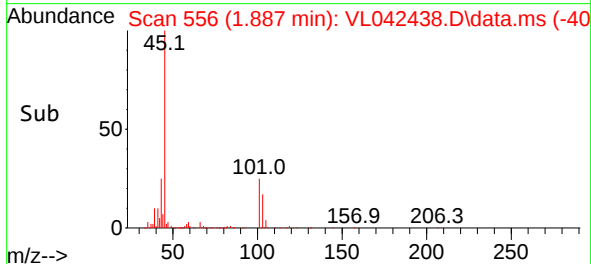
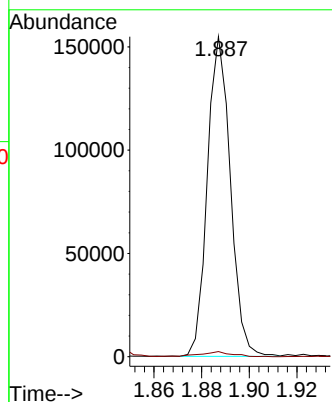
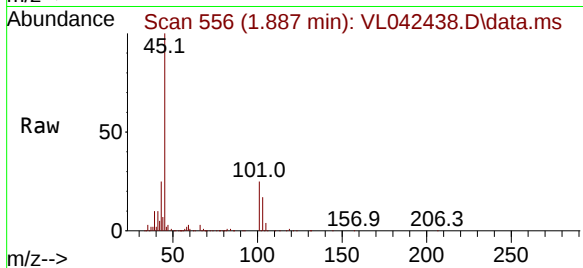




#19
Isopropyl Alcohol
Concen: 9.765 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

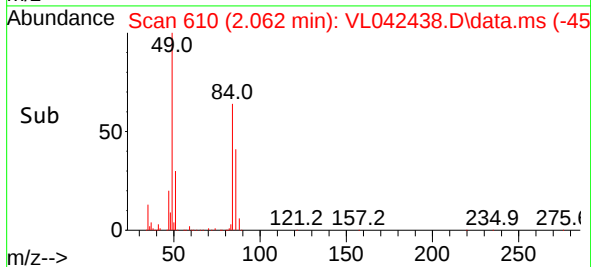
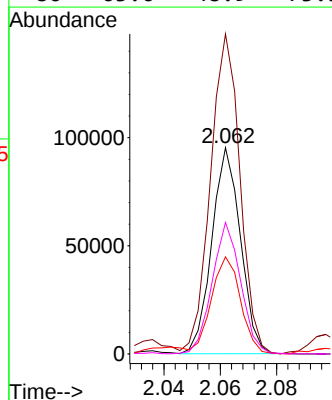
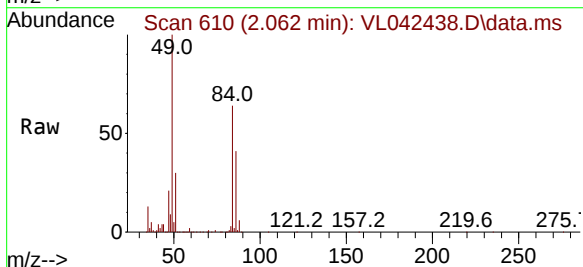
Instrument :
MSVOA_1
ClientSampleId :
VL0429ABS01

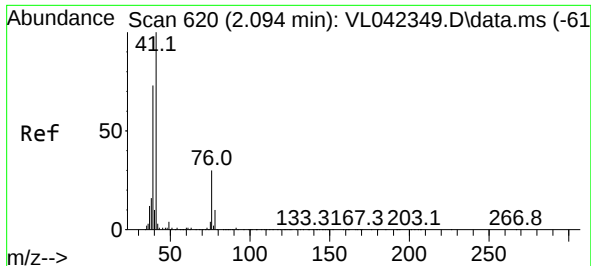
Tgt Ion: 45 Resp: 103692
Ion Ratio Lower Upper
45 100
58 2.2 34.5 51.7#



#20
Methylene Chloride
Concen: 8.989 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 84 Resp: 67298
Ion Ratio Lower Upper
84 100
49 155.2 111.6 167.4
51 47.0 35.1 52.7
86 63.6 48.9 73.3

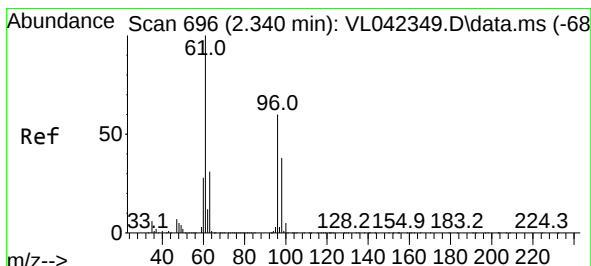
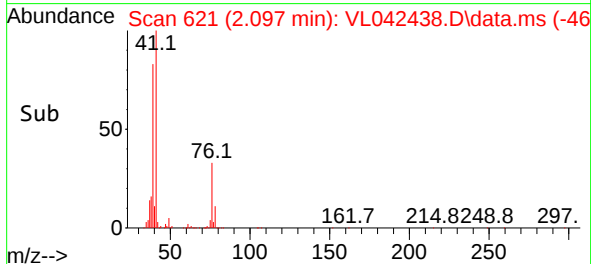
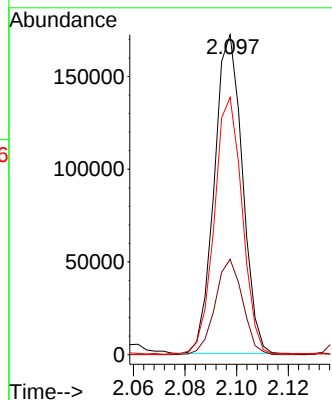
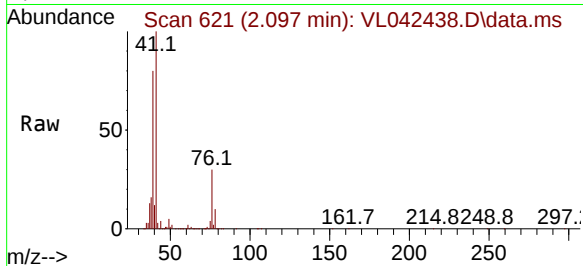




#21
 Allyl Chloride
 Concen: 9.851 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042438.D
 Acq: 29 Apr 2025 10:08

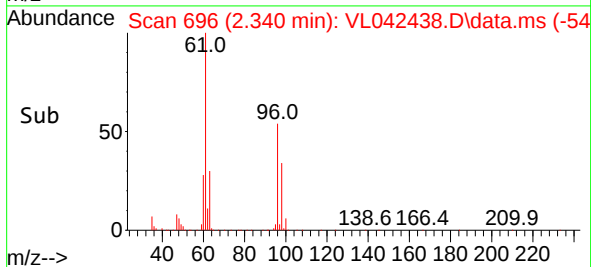
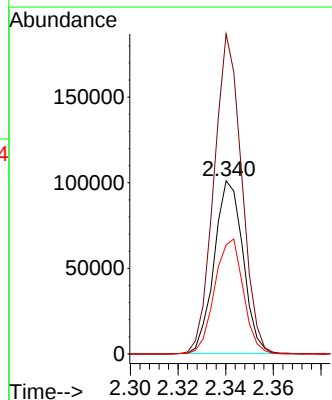
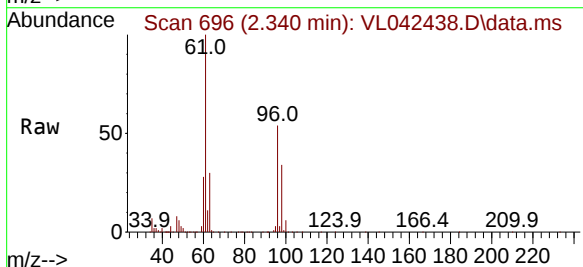
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0429ABS01

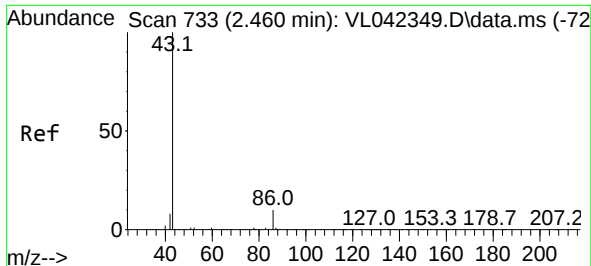
Tgt Ion: 41 Resp: 130014
 Ion Ratio Lower Upper
 41 100
 76 29.2 24.8 37.2
 39 80.1 60.6 90.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.938 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VL042438.D
 Acq: 29 Apr 2025 10:08

Tgt Ion: 96 Resp: 84797
 Ion Ratio Lower Upper
 96 100
 61 185.1 133.7 200.5
 98 63.1 50.3 75.5

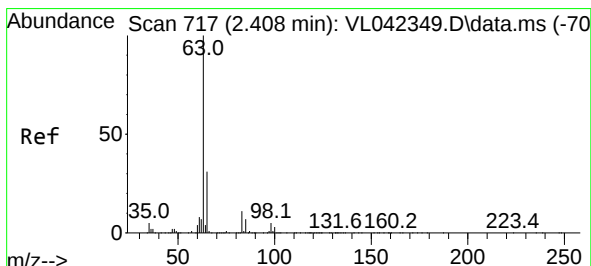
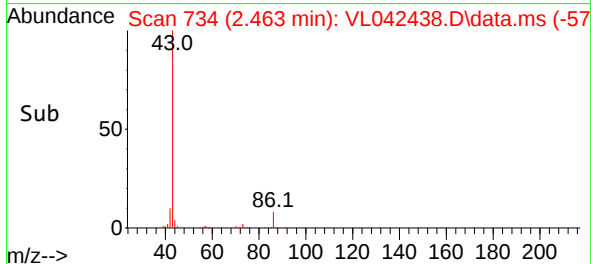
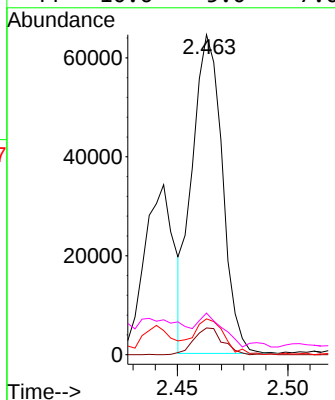
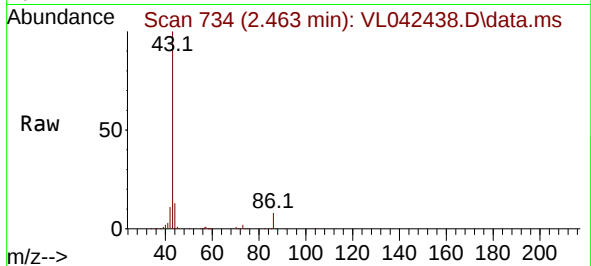




#23
 Vinyl Acetate
 Concen: 7.888 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042438.D
 Acq: 29 Apr 2025 10:08

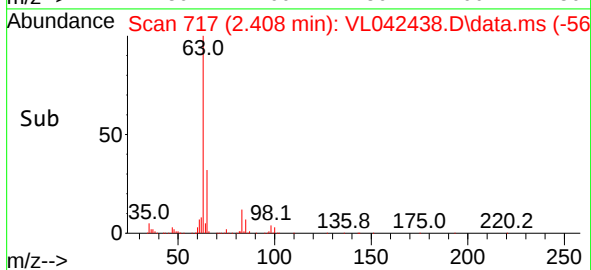
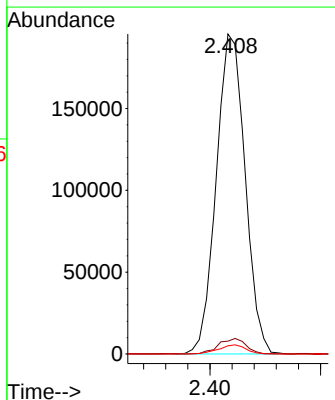
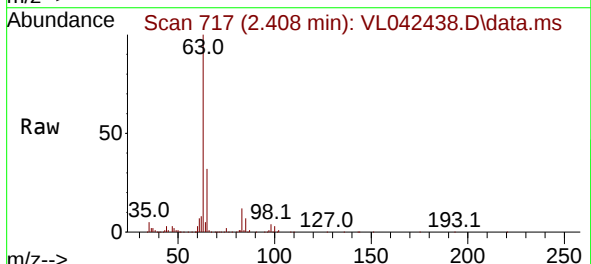
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0429ABS01

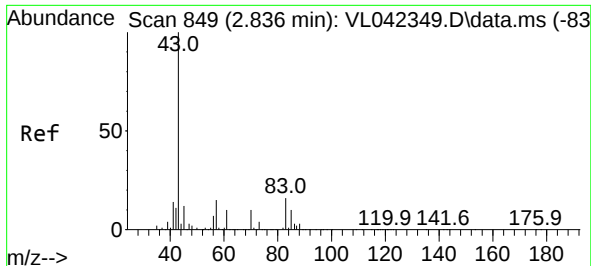
Tgt Ion: 43	Resp: 61036
Ion Ratio	Lower Upper
43 100	
86 8.4	6.5 9.7
42 11.0	7.8 11.8
44 10.6	5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 10.934 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042438.D
 Acq: 29 Apr 2025 10:08

Tgt Ion: 63	Resp: 177233
Ion Ratio	Lower Upper
63 100	
98 4.0	2.3 6.8
100 2.6	1.6 4.8



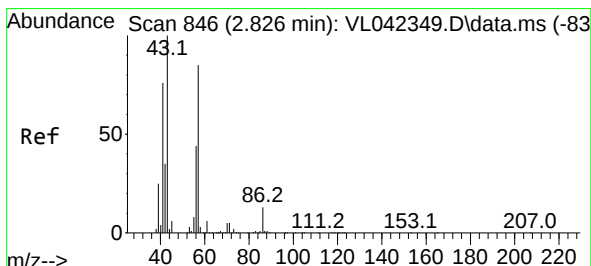
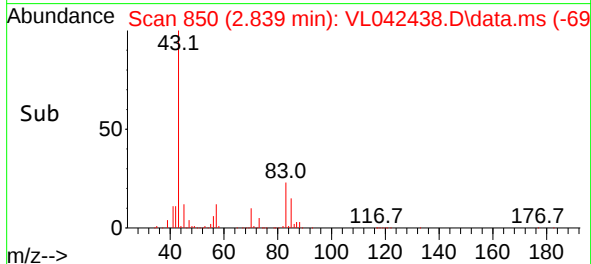
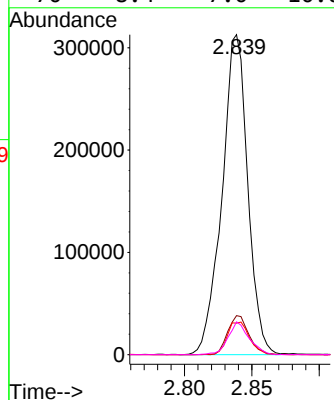
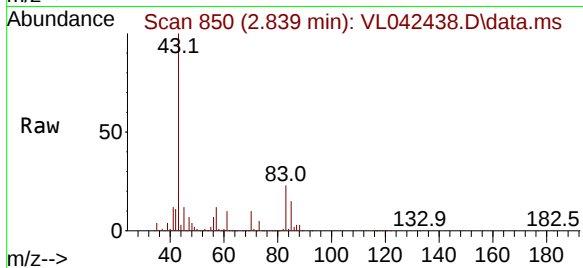


#25
Ethyl Acetate
Concen: 8.836 ppbv
RT: 2.839 min Scan# 849
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 43 Resp: 416465

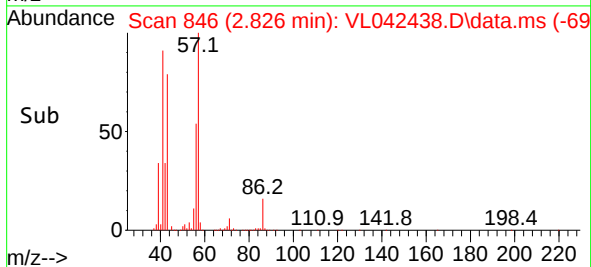
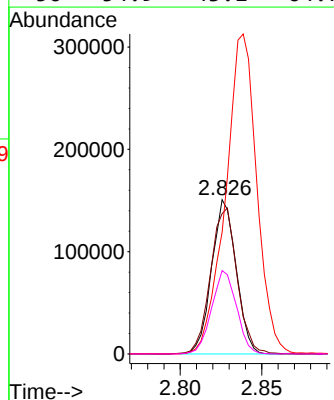
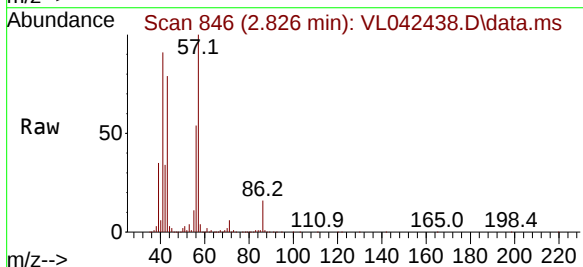
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.3	12.5
61	8.8	7.3	10.9
70	8.4	7.0	10.6

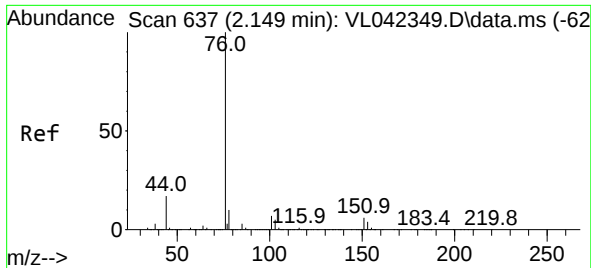


#26
Hexane
Concen: 8.260 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 57 Resp: 157544

Ion	Ratio	Lower	Upper
57	100		
41	103.2	77.9	116.9
43	265.6	208.4	312.6
56	54.9	43.1	64.7

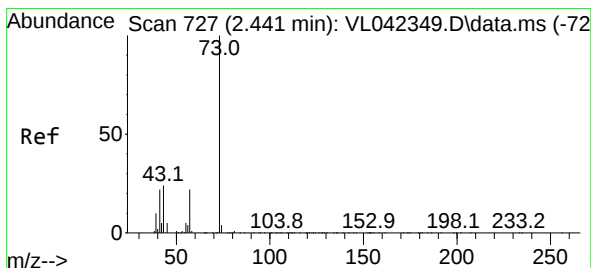
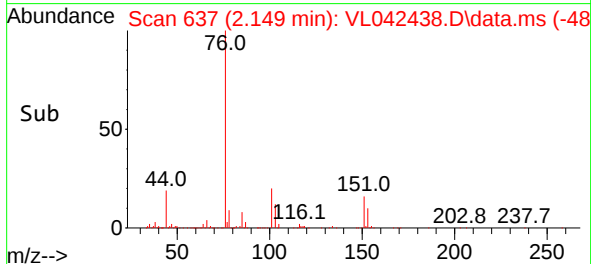
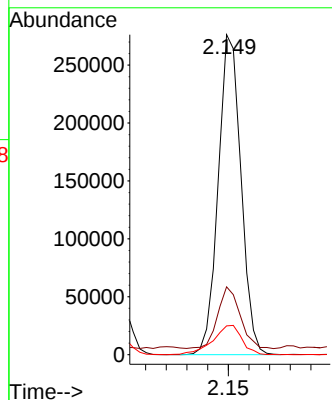
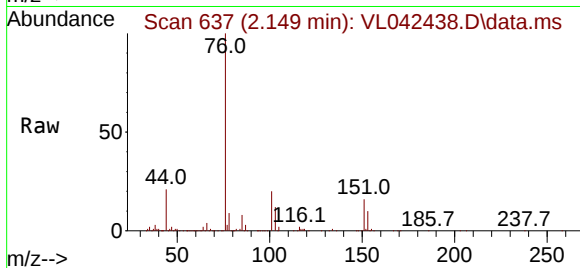




#27
Carbon Disulfide
Concen: 10.372 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

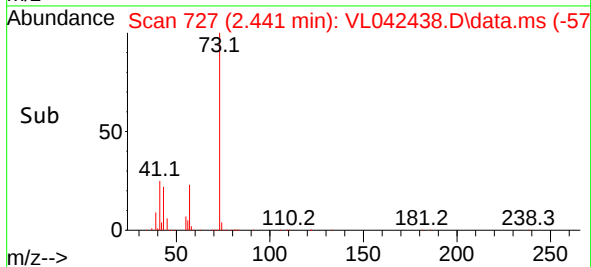
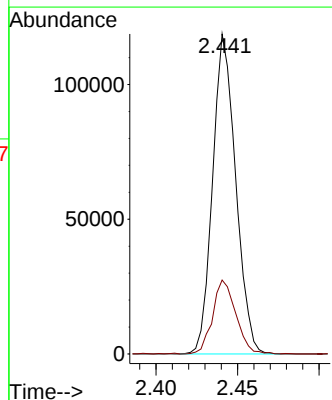
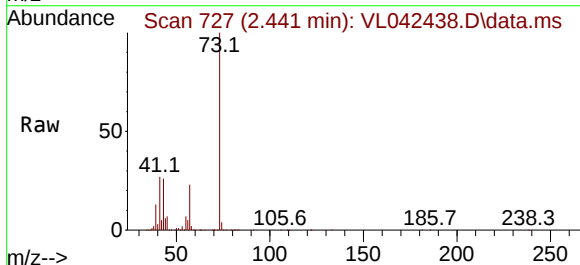
Instrument :
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ClientSampleId :
VL0429ABS01

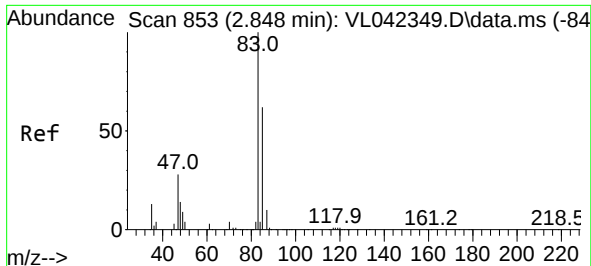
Tgt Ion: 76 Resp: 211824
Ion Ratio Lower Upper
76 100
44 19.8 15.5 23.3
78 11.7 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 9.344 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 73 Resp: 116769
Ion Ratio Lower Upper
73 100
57 23.4 21.3 31.9





#29

Chloroform

Concen: 10.623 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

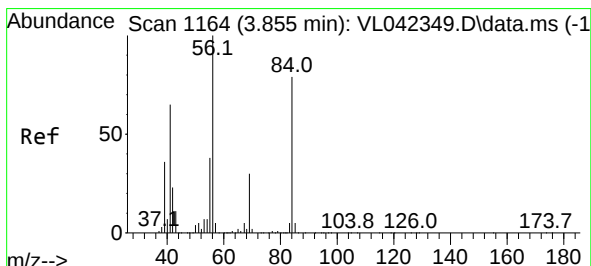
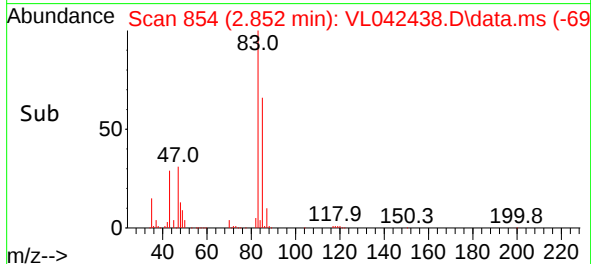
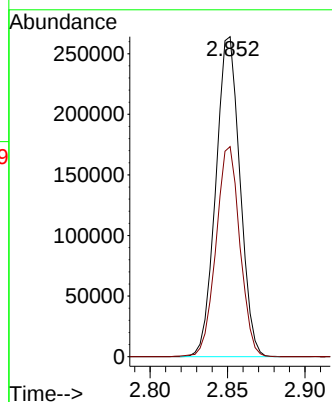
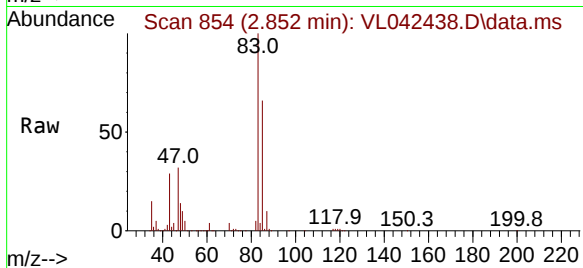
VL0429ABS01

Tgt Ion: 83 Resp: 286397

Ion Ratio Lower Upper

83 100

85 65.6 50.0 75.0



#30

Cyclohexane

Concen: 8.601 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

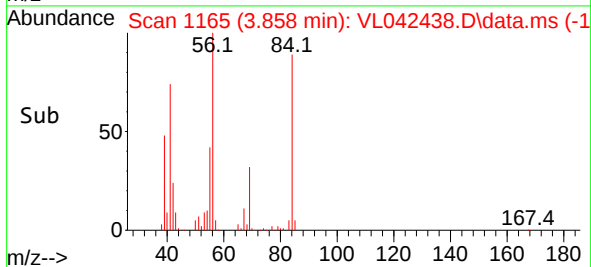
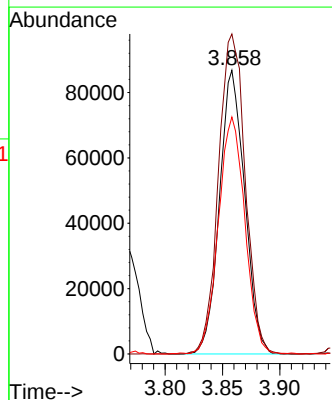
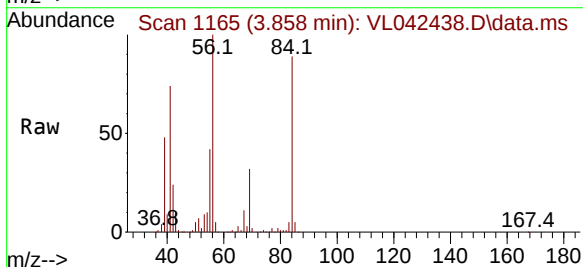
Tgt Ion: 84 Resp: 132615

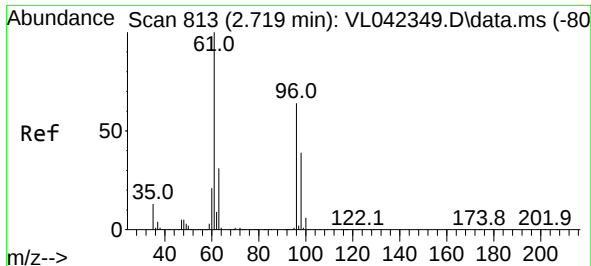
Ion Ratio Lower Upper

84 100

56 119.9 101.0 151.4

41 88.0 67.4 101.0

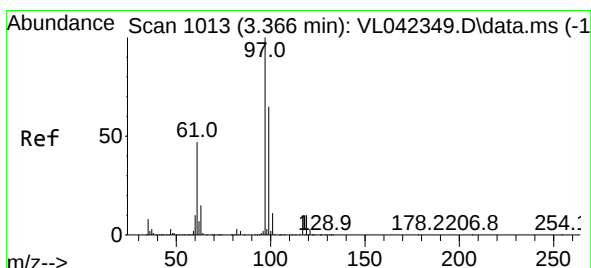
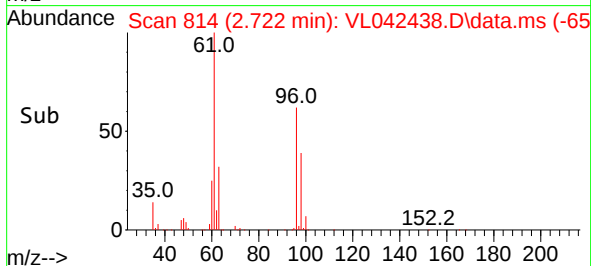
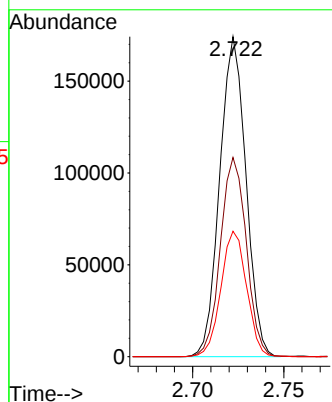
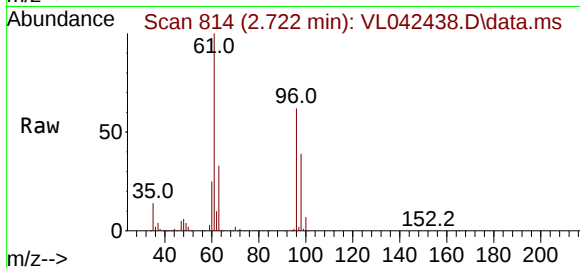




#31
 cis-1,2-Dichloroethene
 Concen: 9.613 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042438.D
 Acq: 29 Apr 2025 10:08

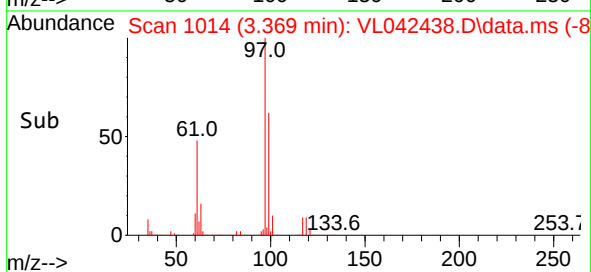
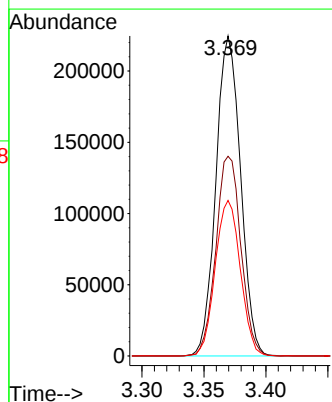
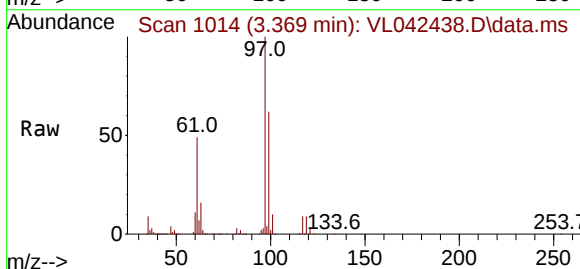
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0429ABS01

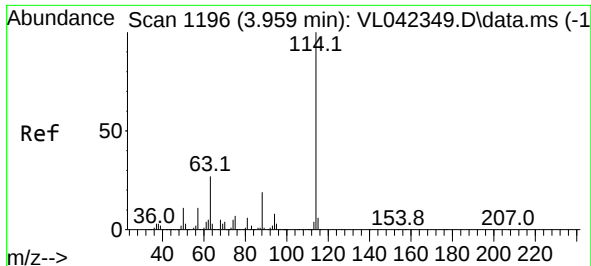
Tgt Ion: 61 Resp: 174328
 Ion Ratio Lower Upper
 61 100
 96 62.3 50.8 76.2
 98 39.2 30.9 46.3



#32
 1,1,1-Trichloroethane
 Concen: 10.294 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042438.D
 Acq: 29 Apr 2025 10:08

Tgt Ion: 97 Resp: 312429
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.0 76.4
 61 49.4 38.8 58.2

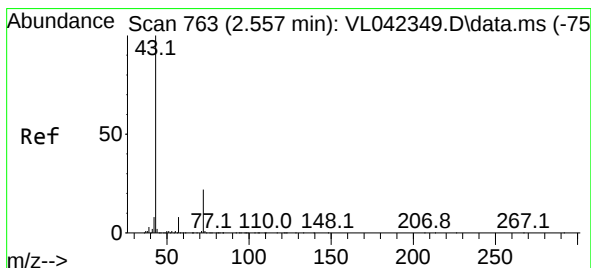
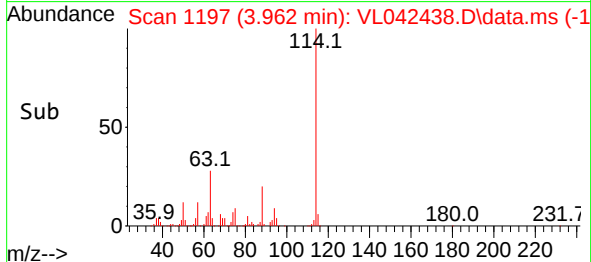
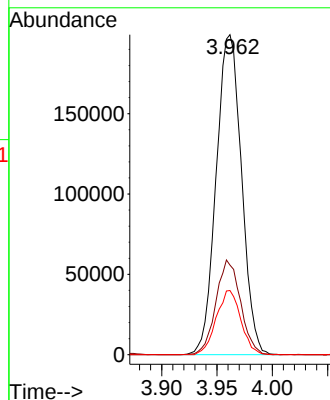
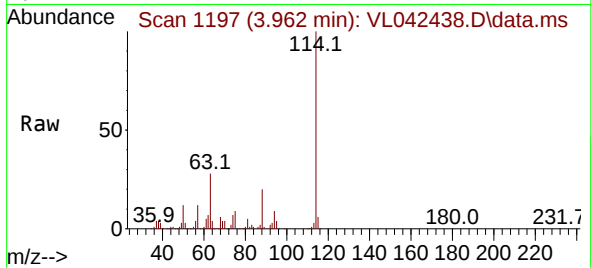




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. 0.003 min
 Lab File: VL042438.D
 Acq: 29 Apr 2025 10:08

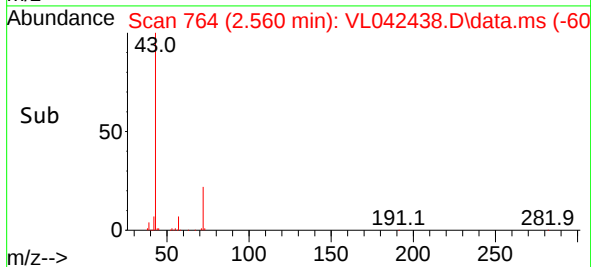
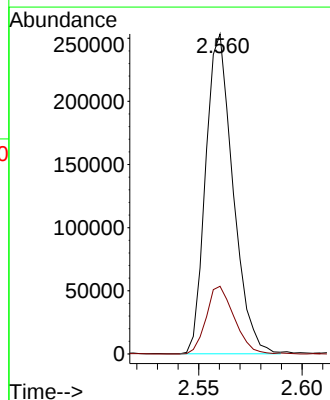
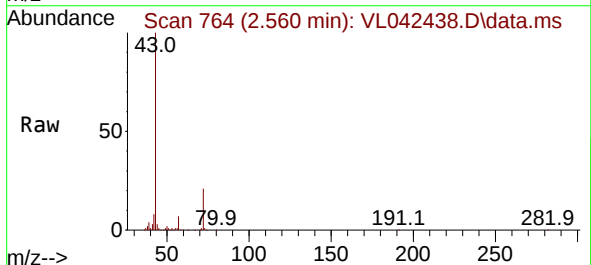
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0429ABS01

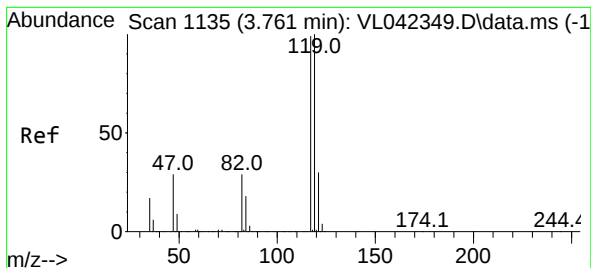
Tgt Ion:114 Resp: 317590
 Ion Ratio Lower Upper
 114 100
 63 28.7 21.8 32.6
 88 19.4 15.5 23.3



#34
 2-Butanone
 Concen: 9.278 ppbv
 RT: 2.560 min Scan# 764
 Delta R.T. 0.003 min
 Lab File: VL042438.D
 Acq: 29 Apr 2025 10:08

Tgt Ion: 43 Resp: 233037
 Ion Ratio Lower Upper
 43 100
 72 21.7 18.2 27.2





#35

Carbon Tetrachloride

Concen: 11.036 ppbv

RT: 3.764 min Scan# 1135

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VL0429ABS01

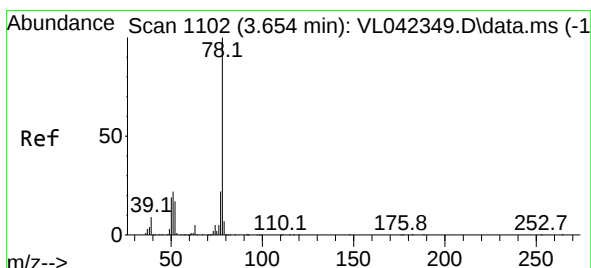
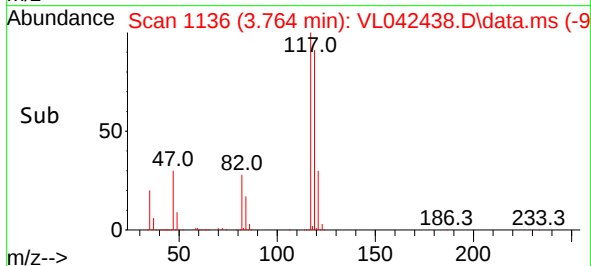
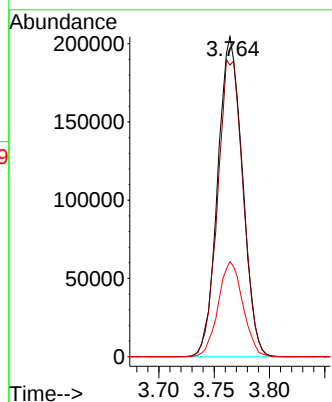
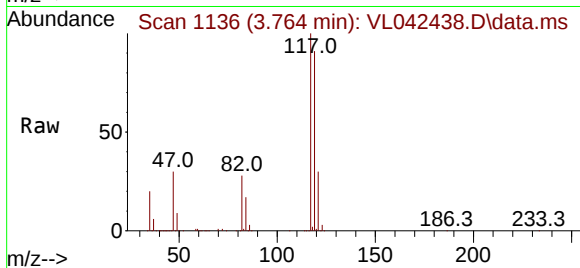
Tgt Ion:117 Resp: 317207

Ion Ratio Lower Upper

117 100

119 91.1 80.5 120.7

121 29.7 24.2 36.2



#36

Benzene

Concen: 9.264 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

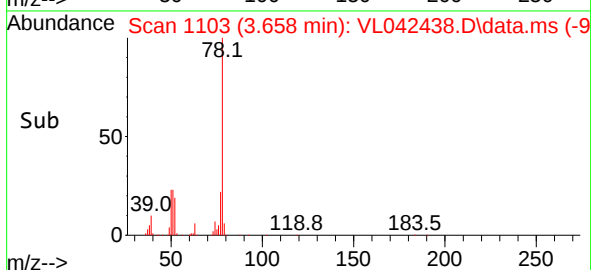
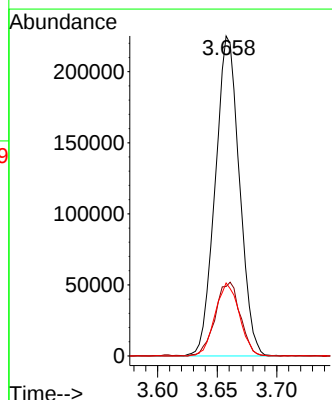
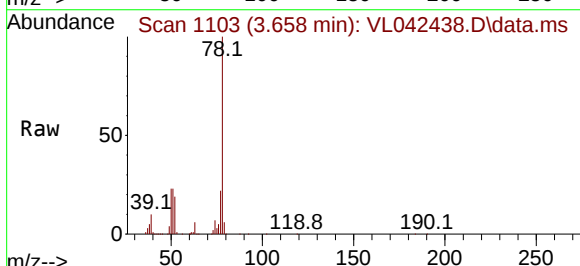
Tgt Ion: 78 Resp: 317350

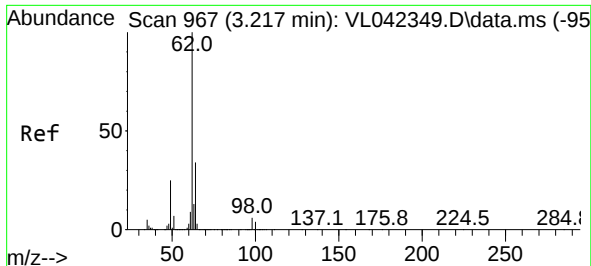
Ion Ratio Lower Upper

78 100

77 21.7 17.4 26.0

50 22.8 15.5 23.3





#37

1,2-Dichloroethane

Concen: 12.035 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

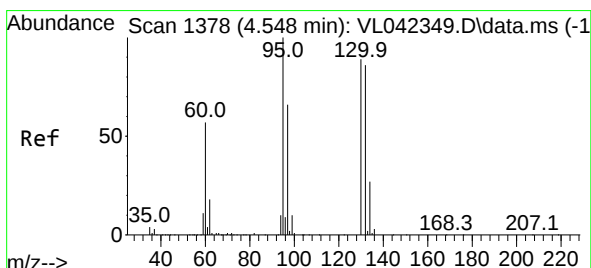
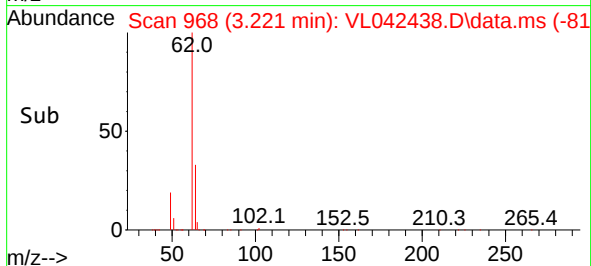
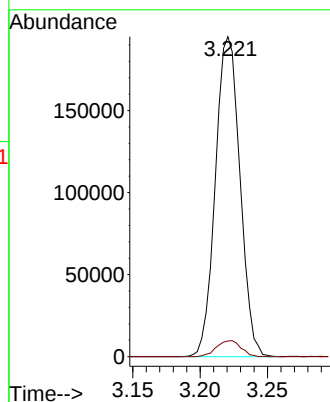
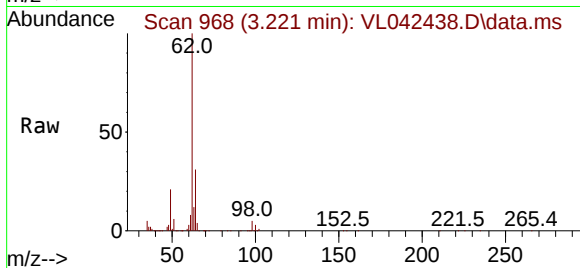
VL0429ABS01

Tgt Ion: 62 Resp: 247446

Ion Ratio Lower Upper

62 100

98 5.0 5.1 7.7#



#38

Trichloroethene

Concen: 8.523 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Tgt Ion:130 Resp: 127601

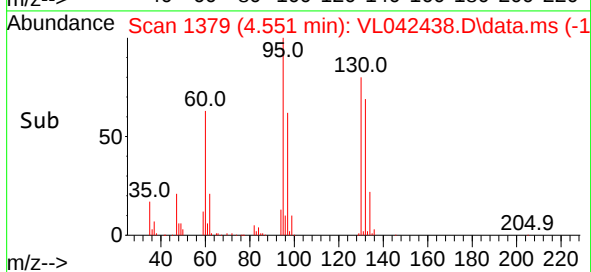
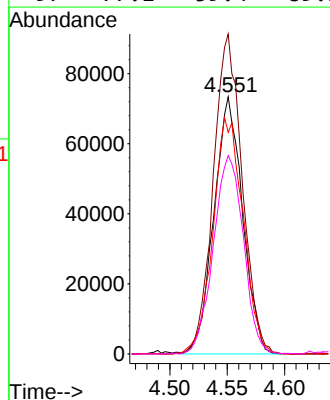
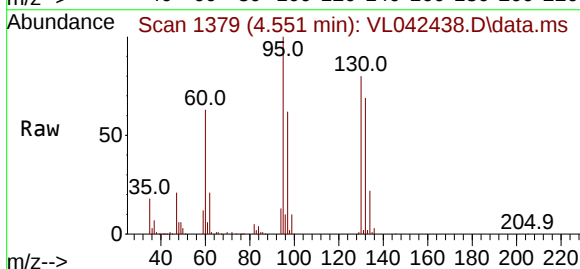
Ion Ratio Lower Upper

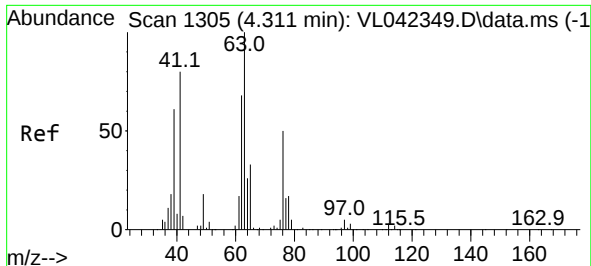
130 100

95 124.2 89.8 134.6

132 86.0 77.7 116.5

97 77.1 59.4 89.2





#39

1,2-Dichloropropane

Concen: 9.044 ppbv

RT: 4.318 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VL0429ABS01

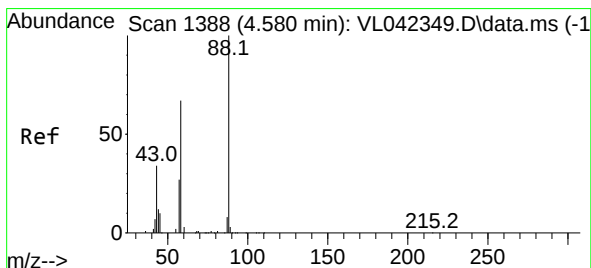
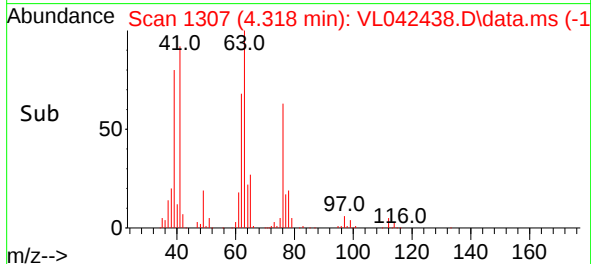
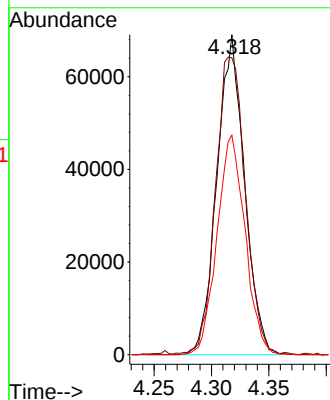
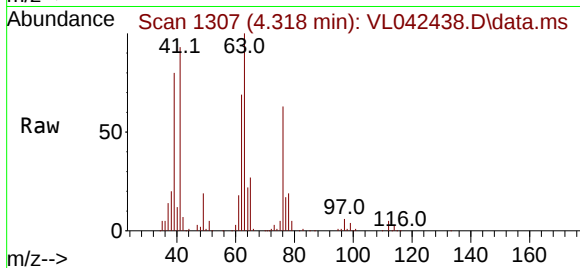
Tgt Ion: 63 Resp: 115449

Ion Ratio Lower Upper

63 100

41 92.4 64.2 96.2

62 68.4 54.3 81.5



#40

1,4-Dioxane

Concen: 7.529 ppbv

RT: 4.586 min Scan# 1390

Delta R.T. 0.006 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Tgt Ion: 88 Resp: 52820

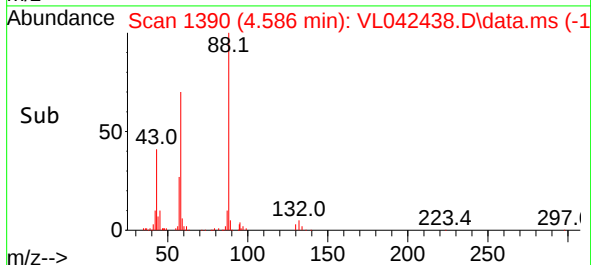
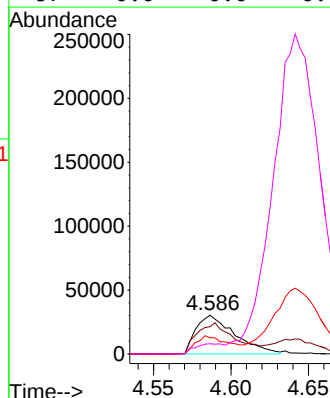
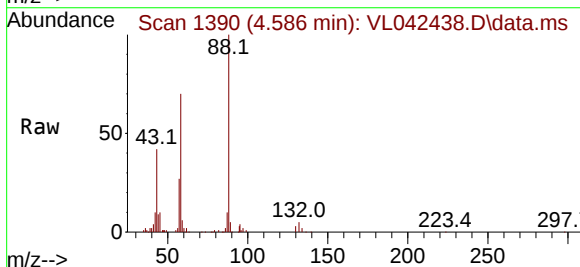
Ion Ratio Lower Upper

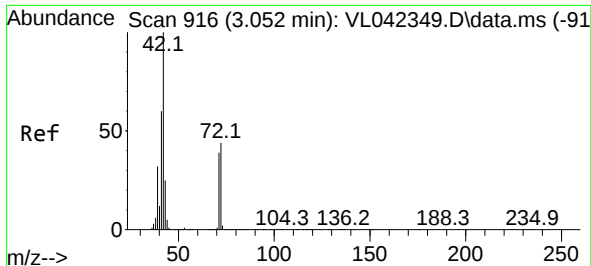
88 100

58 78.5 61.4 92.0

43 41.9 23.2 34.8#

57 0.0 0.0 0.0

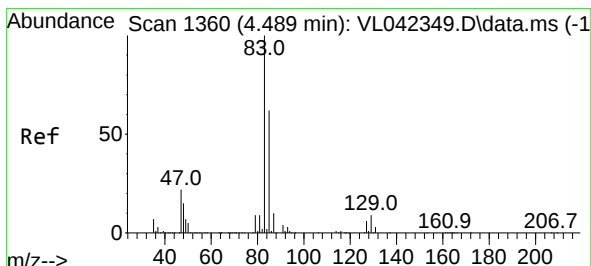
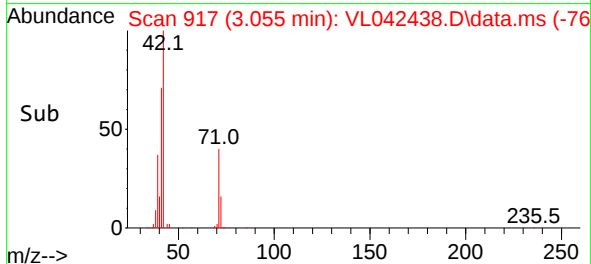
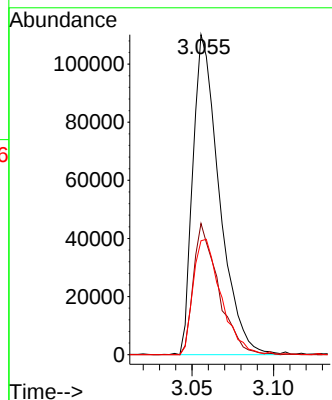
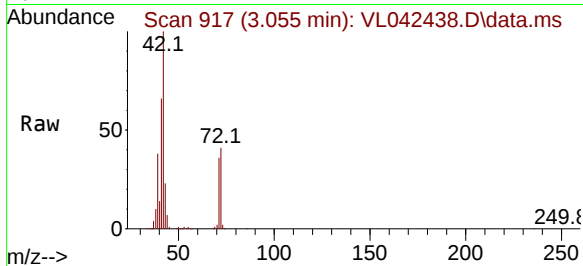




#41
Tetrahydrofuran
Concen: 8.471 ppbv
RT: 3.055 min Scan# 916
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

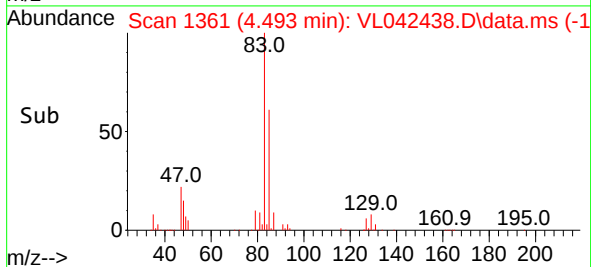
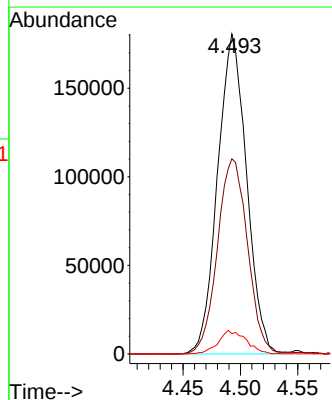
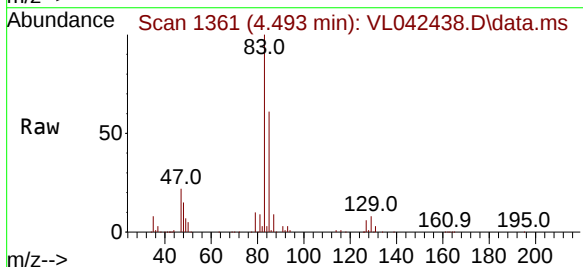
Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

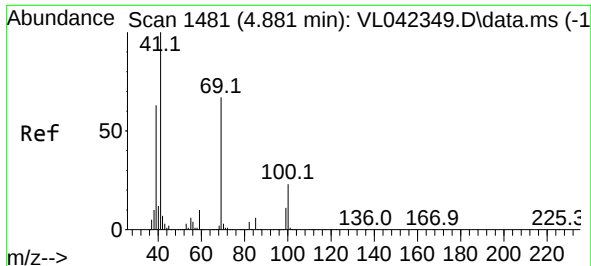
Tgt Ion: 42 Resp: 124059
Ion Ratio Lower Upper
42 100
72 38.9 32.3 48.5
71 38.4 31.4 47.2



#42
Bromodichloromethane
Concen: 11.088 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 83 Resp: 317253
Ion Ratio Lower Upper
83 100
85 61.0 49.7 74.5
127 6.4 5.1 7.7

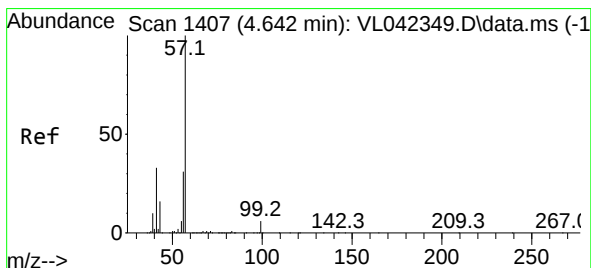
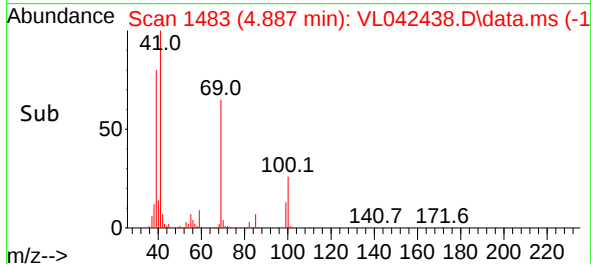
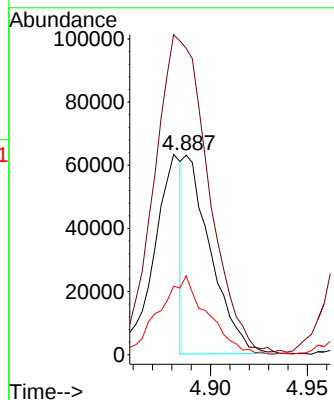
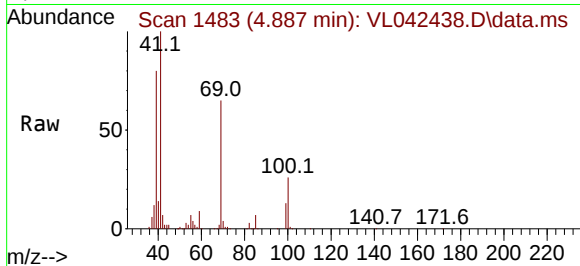




#43
Methyl Methacrylate
Concen: 3.961 ppbv
RT: 4.887 min Scan# 1481
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

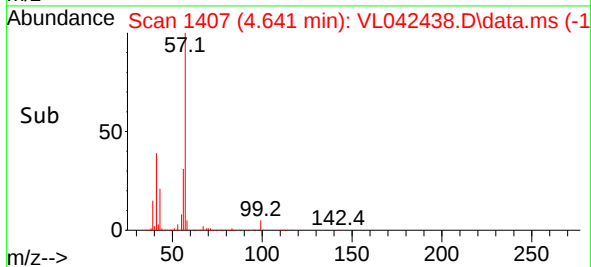
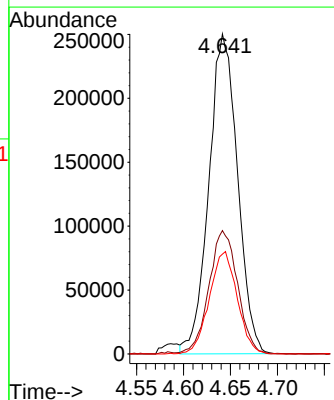
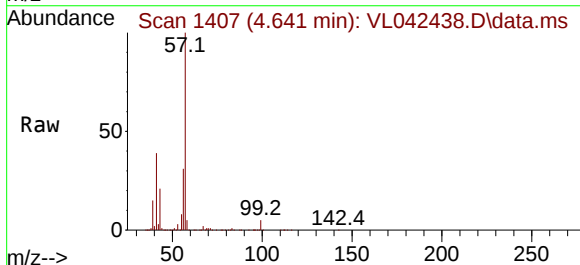
Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

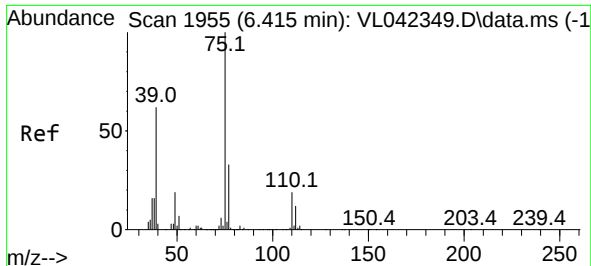
Tgt Ion: 69 Resp: 61150
Ion Ratio Lower Upper
69 100
41 0.0 118.6 177.8#
100 71.6 28.2 42.2#



#44
2,2,4-Trimethylpentane
Concen: 8.983 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 57 Resp: 531439
Ion Ratio Lower Upper
57 100
41 39.1 27.2 40.8
56 31.1 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 8.940 ppbv

RT: 6.418 min Scan# 1955

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

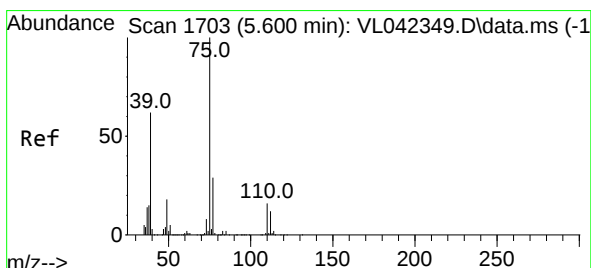
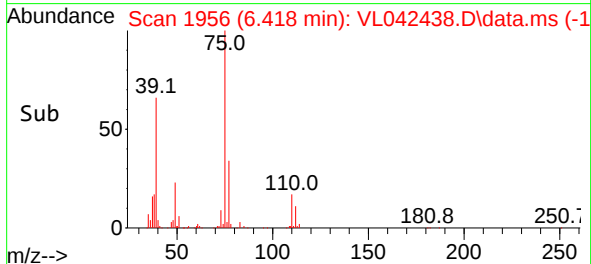
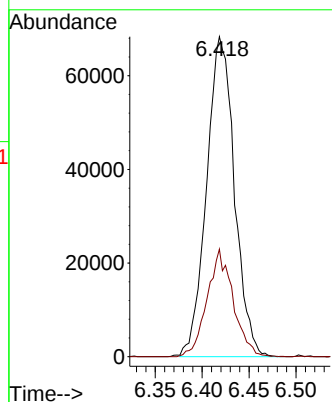
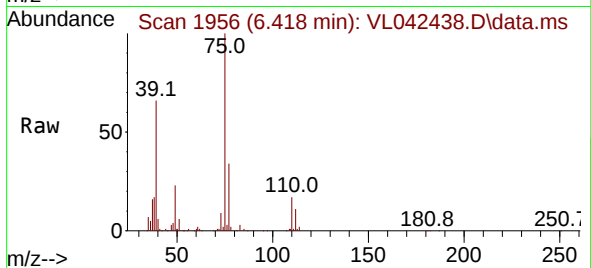
VL0429ABS01

Tgt Ion: 75 Resp: 140981

Ion Ratio Lower Upper

75 100

77 33.6 27.0 40.6



#46

cis-1,3-Dichloropropene

Concen: 8.811 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. 0.006 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

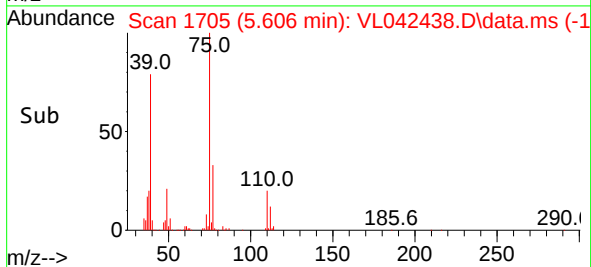
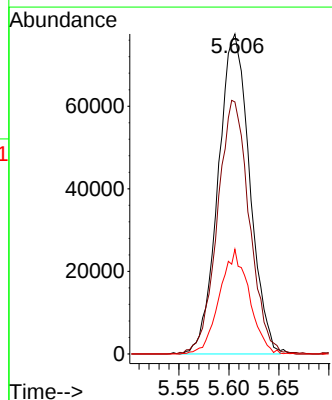
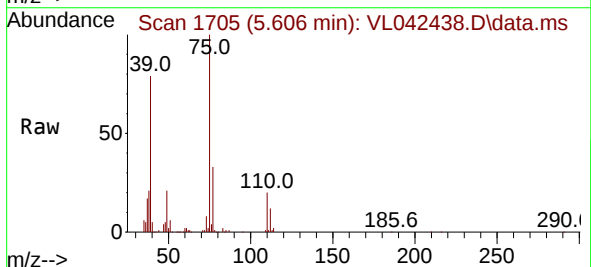
Tgt Ion: 75 Resp: 170063

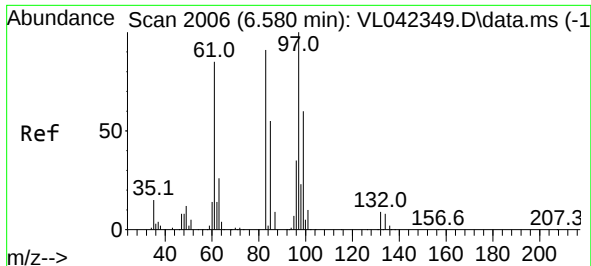
Ion Ratio Lower Upper

75 100

39 78.3 50.0 75.0#

77 32.7 23.0 34.6



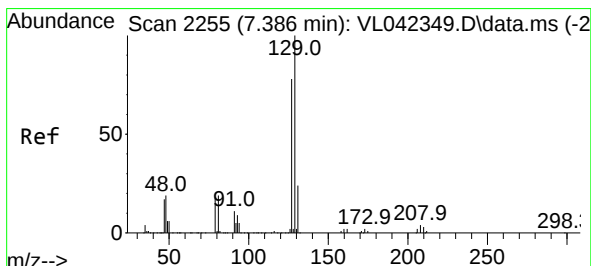
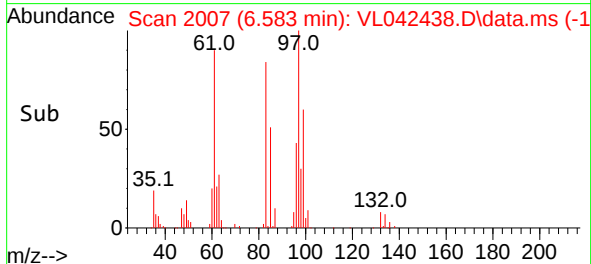
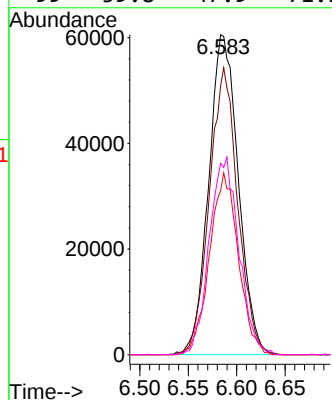
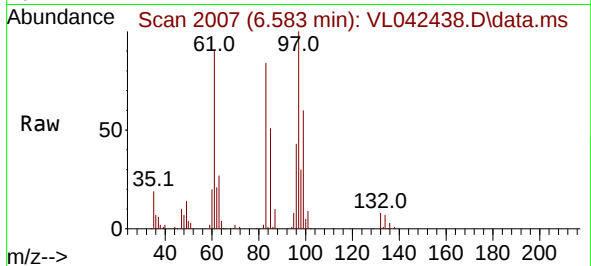


#47
1,1,2-Trichloroethane
Concen: 9.893 ppbv
RT: 6.583 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

Tgt Ion: 97 Resp: 128662

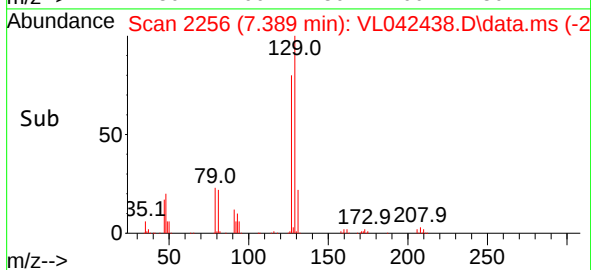
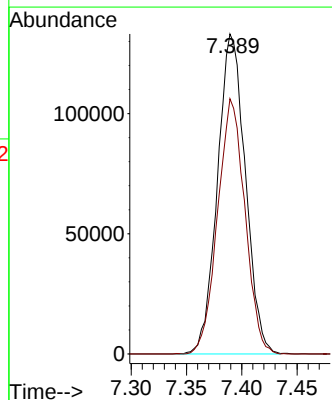
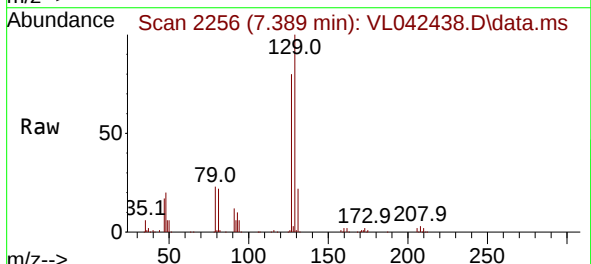
Ion	Ratio	Lower	Upper
97	100		
83	84.0	72.8	109.2
85	51.4	44.2	66.4
99	59.8	47.9	71.9

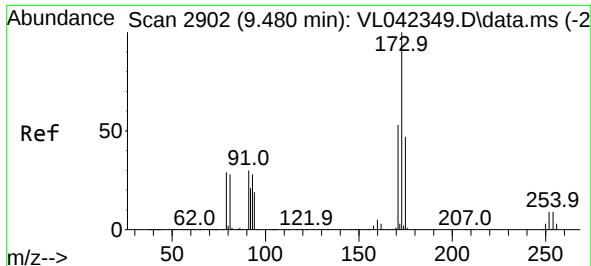


#48
Dibromochloromethane
Concen: 10.156 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 129 Resp: 233350

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.3





#49

Bromoform

Concen: 9.431 ppbv

RT: 9.487 min Scan# 2902

Delta R.T. 0.006 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VL0429ABS01

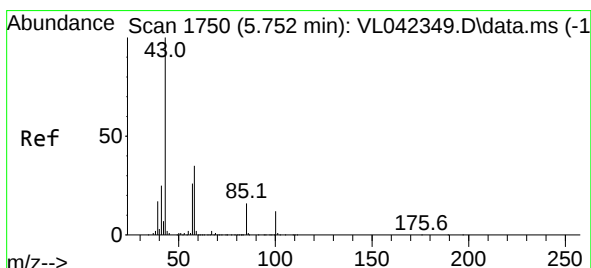
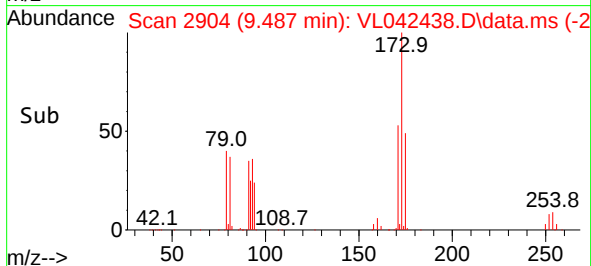
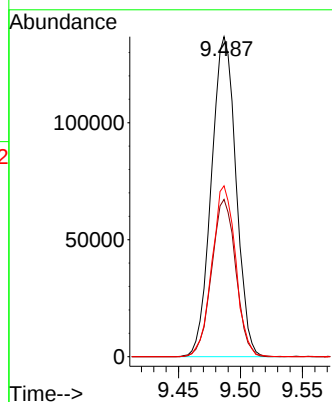
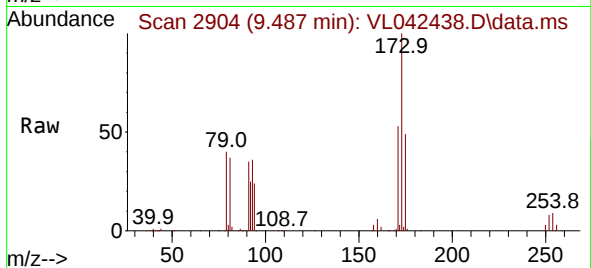
Tgt Ion:173 Resp: 189484

Ion Ratio Lower Upper

173 100

175 48.2 38.2 57.2

171 51.4 40.9 61.3



#50

4-Methyl-2-Pentanone

Concen: 7.846 ppbv

RT: 5.755 min Scan# 1751

Delta R.T. 0.003 min

Lab File: VL042438.D

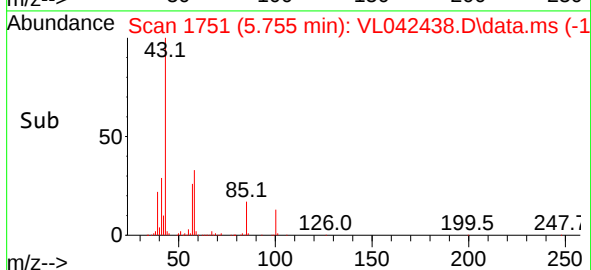
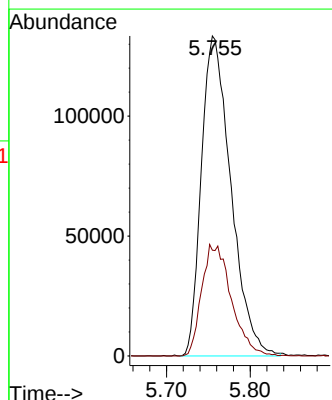
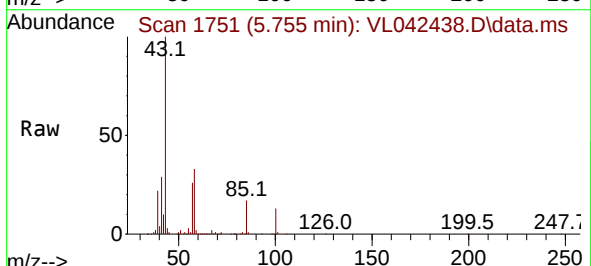
Acq: 29 Apr 2025 10:08

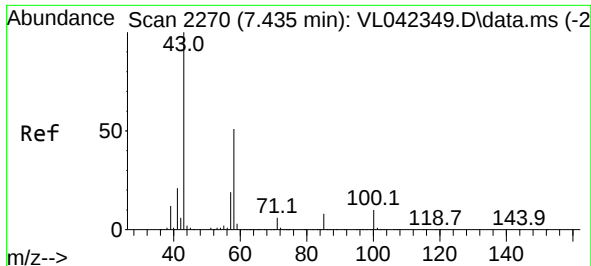
Tgt Ion: 43 Resp: 327508

Ion Ratio Lower Upper

43 100

58 34.9 28.6 43.0

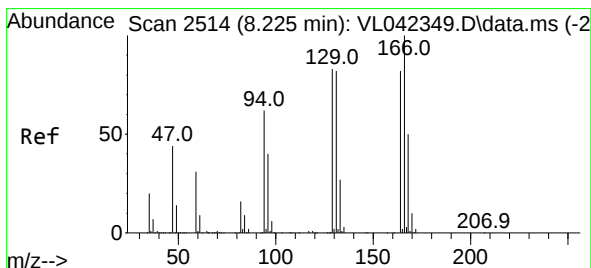
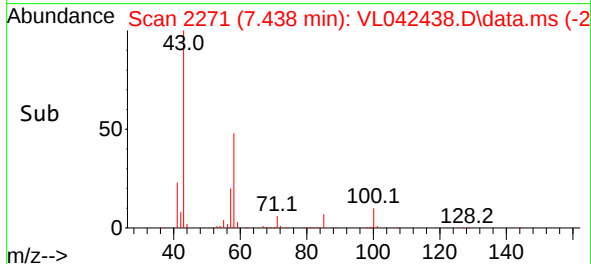
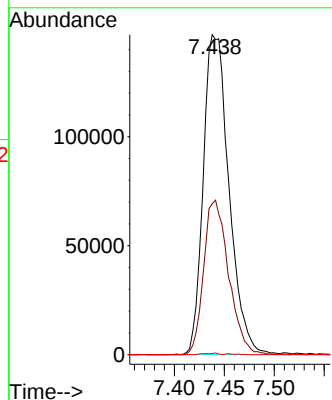
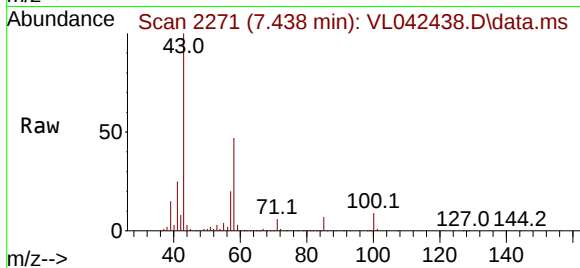




#51
2-Hexanone
Concen: 7.018 ppbv
RT: 7.438 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

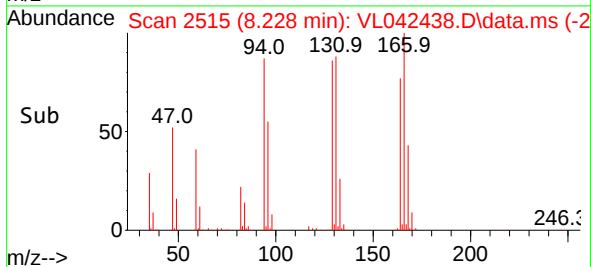
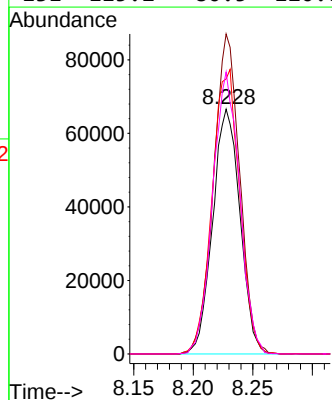
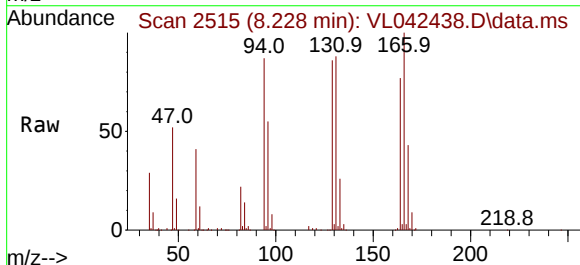
Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

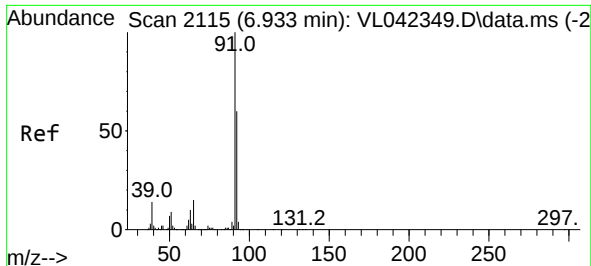
Tgt Ion: 43 Resp: 262697
Ion Ratio Lower Upper
43 100
58 47.0 40.2 60.4
98 0.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.008 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:164 Resp: 106031
Ion Ratio Lower Upper
164 100
166 130.7 98.2 147.2
129 112.3 81.8 122.8
131 115.2 80.5 120.7

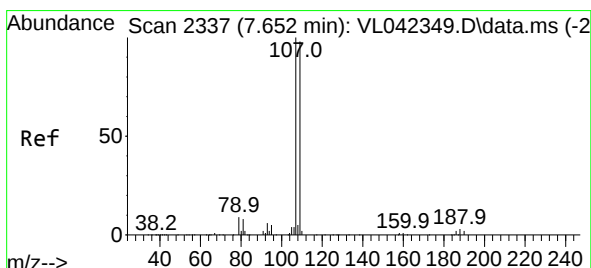
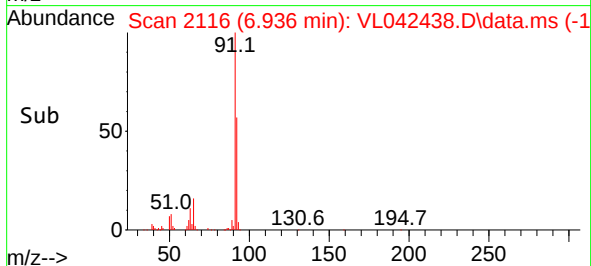
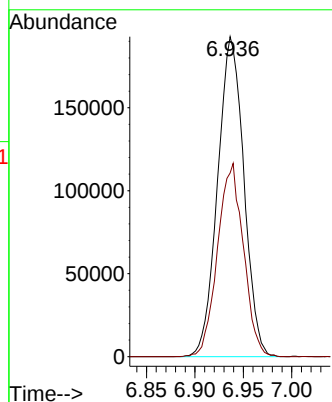
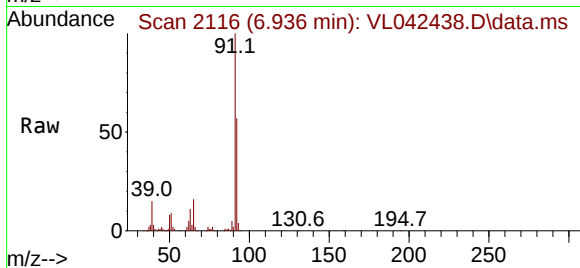




#53
Toluene
Concen: 8.848 ppbv
RT: 6.936 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

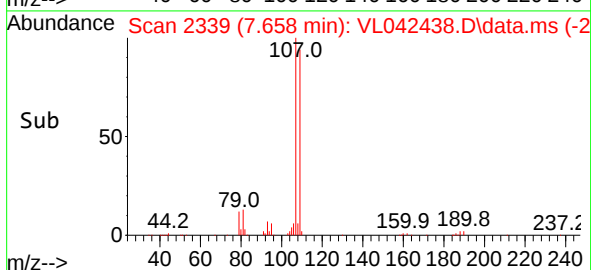
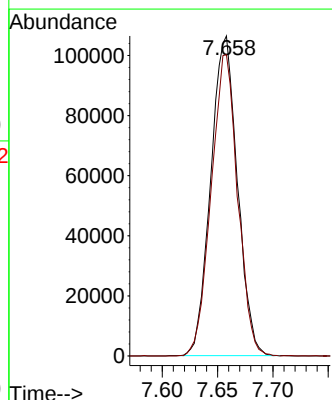
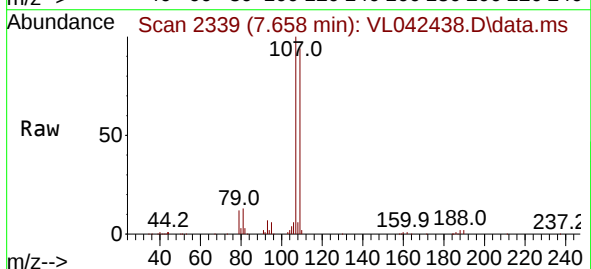
Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

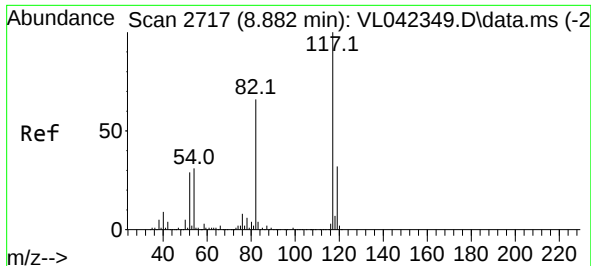
Tgt Ion: 91 Resp: 363707
Ion Ratio Lower Upper
91 100
92 59.6 48.2 72.4



#54
1,2-Dibromoethane
Concen: 9.601 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.006 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 107 Resp: 178709
Ion Ratio Lower Upper
107 100
109 94.3 78.2 117.4

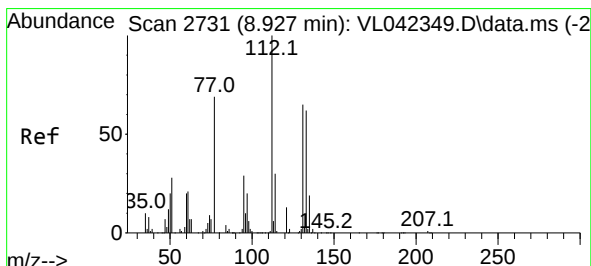
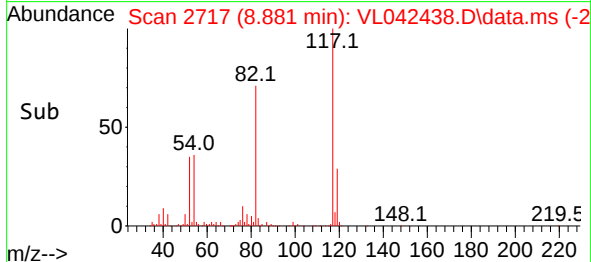
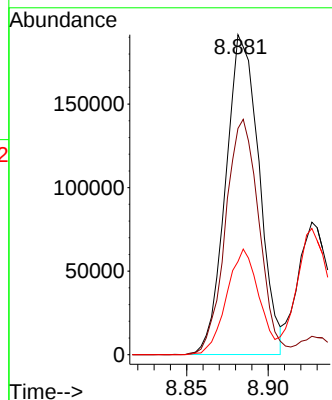
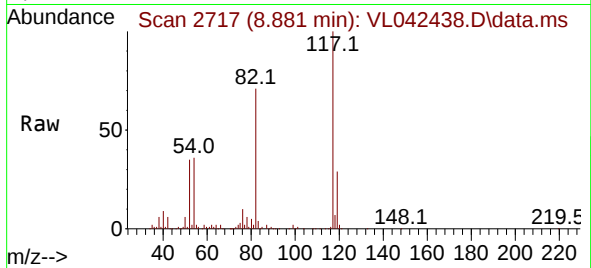




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2717
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

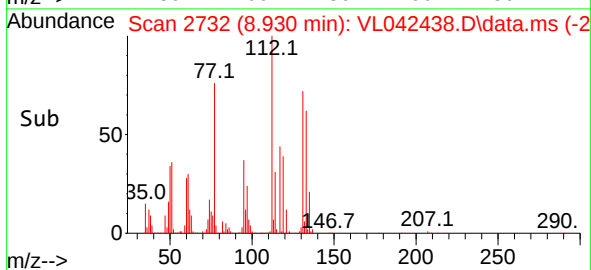
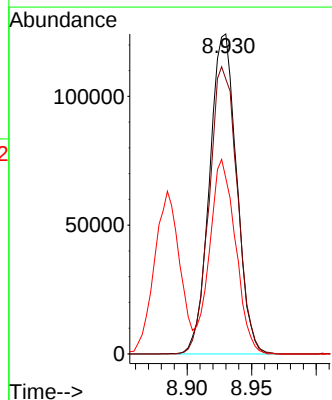
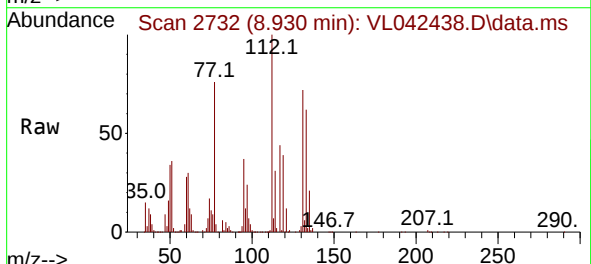
Instrument :
MSVOA_1
ClientSampleId :
VL0429ABS01

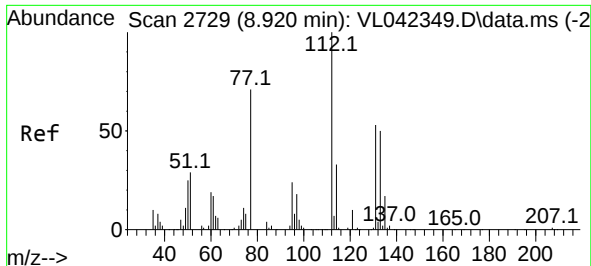
Tgt Ion:117 Resp: 272312
Ion Ratio Lower Upper
117 100
82 79.2 57.8 86.6
119 32.0 25.2 37.8



#56
1,1,1,2-Tetrachloroethane
Concen: 10.981 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:131 Resp: 180979
Ion Ratio Lower Upper
131 100
133 93.2 78.3 117.5
119 58.6 48.7 73.1

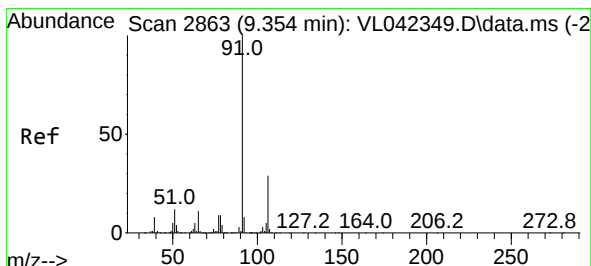
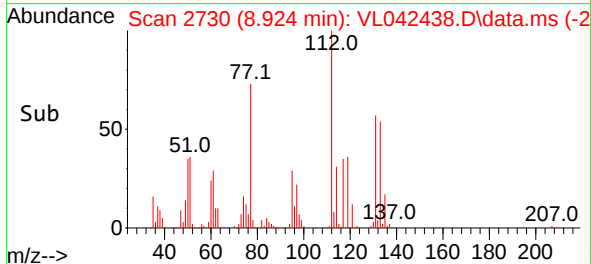
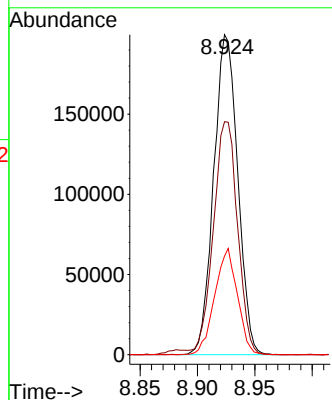
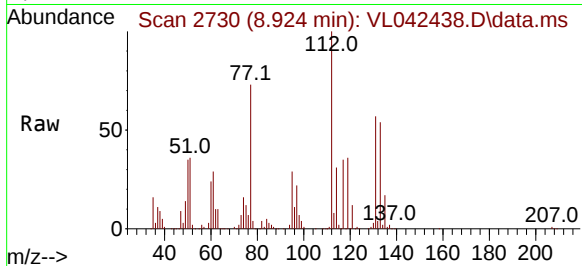




#57
Chlorobenzene
Concen: 10.270 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

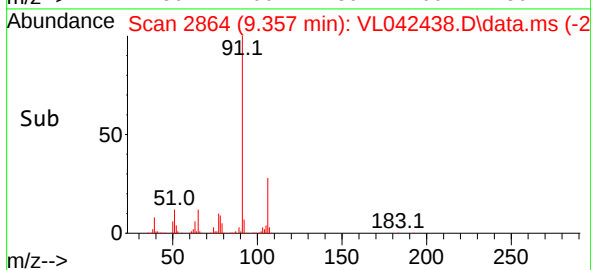
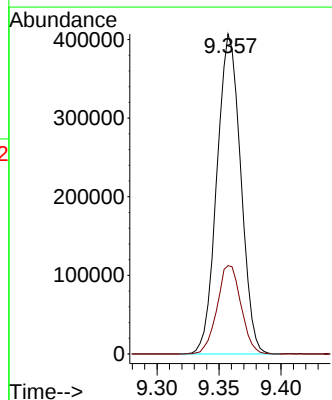
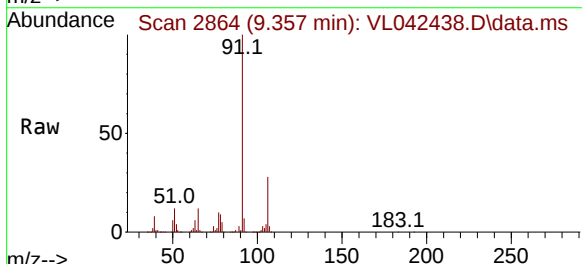
Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

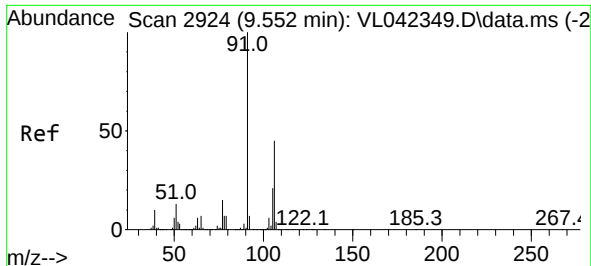
Tgt Ion:112 Resp: 290861
Ion Ratio Lower Upper
112 100
77 72.8 57.8 86.6
114 30.8 29.3 35.9



#58
Ethyl Benzene
Concen: 10.111 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 91 Resp: 545497
Ion Ratio Lower Upper
91 100
106 27.6 23.0 34.4





#59

m/p-Xylene

Concen: 9.768 ppbv

RT: 9.555 min Scan# 2924

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

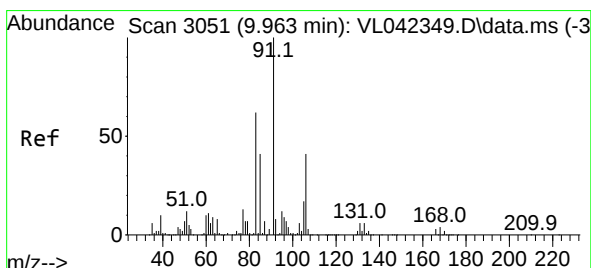
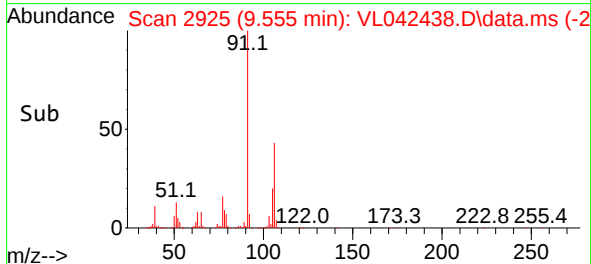
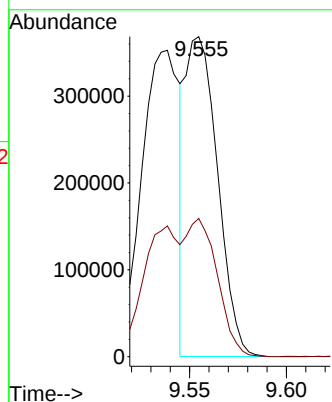
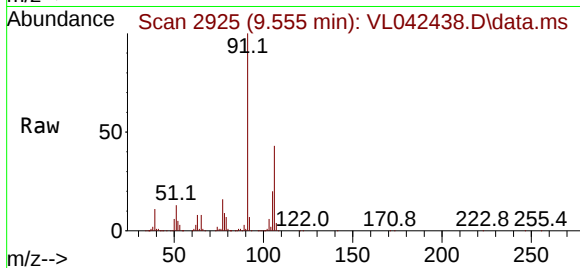
VL0429ABS01

Tgt Ion: 91 Resp: 424567

Ion Ratio Lower Upper

91 100

106 89.3 35.4 53.2#



#60

o-Xylene

Concen: 10.639 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL042438.D

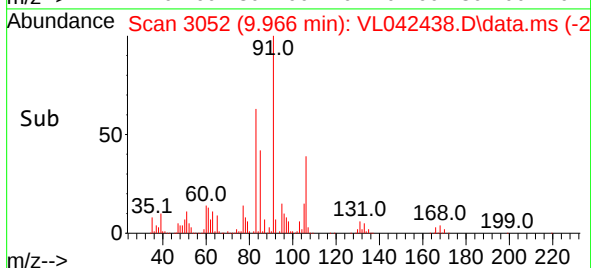
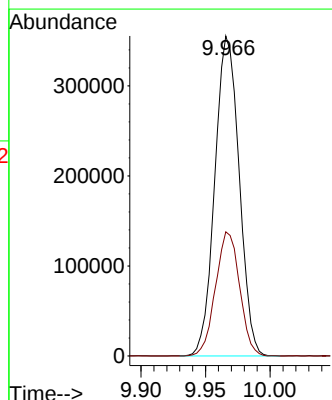
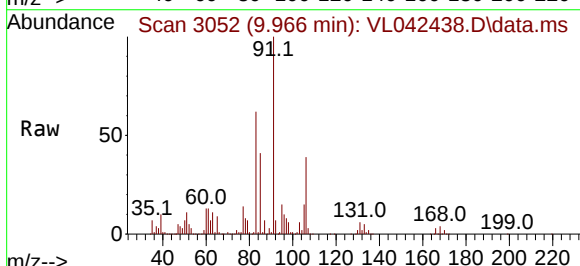
Acq: 29 Apr 2025 10:08

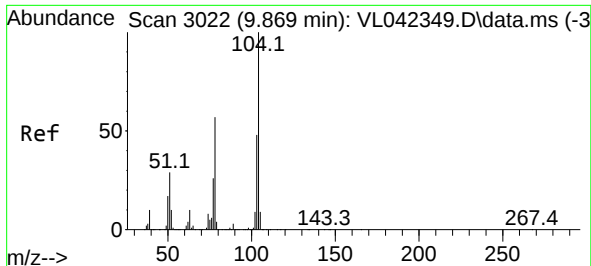
Tgt Ion: 91 Resp: 465645

Ion Ratio Lower Upper

91 100

106 38.4 21.1 63.4





#61

Styrene

Concen: 9.178 ppbv

RT: 9.872 min Scan# 3022

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VL0429ABS01

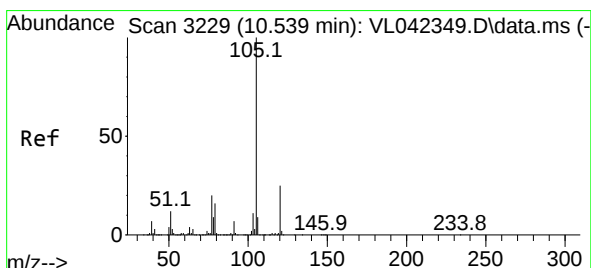
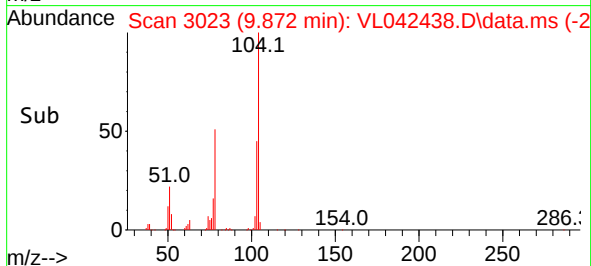
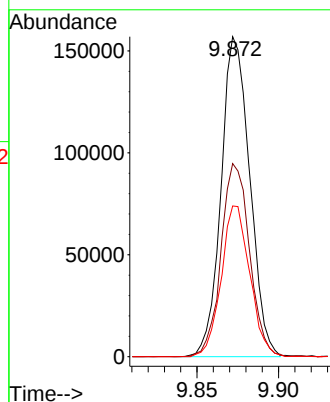
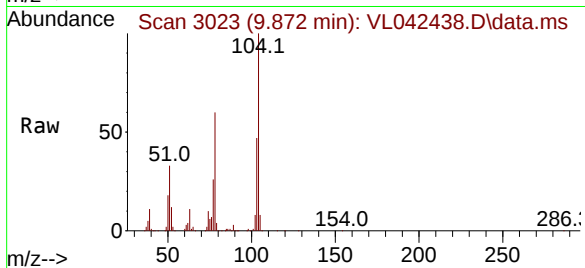
Tgt Ion:104 Resp: 191741

Ion Ratio Lower Upper

104 100

78 60.1 44.6 66.8

103 47.0 37.4 56.0



#62

Isopropylbenzene

Concen: 10.393 ppbv

RT: 10.542 min Scan# 3230

Delta R.T. 0.003 min

Lab File: VL042438.D

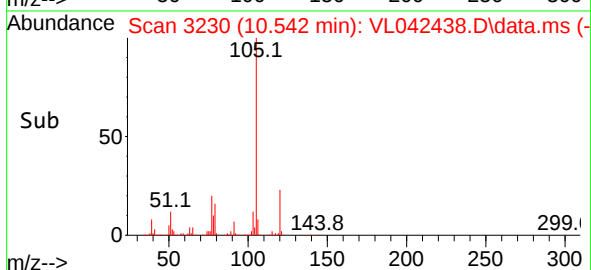
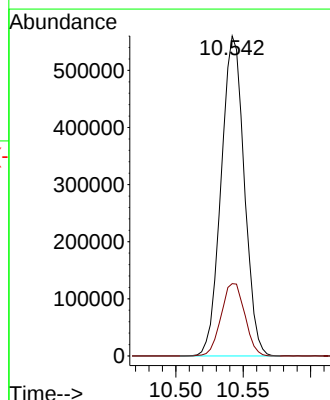
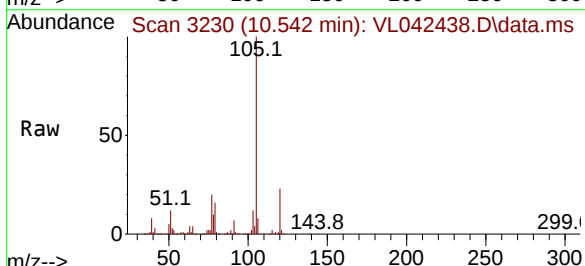
Acq: 29 Apr 2025 10:08

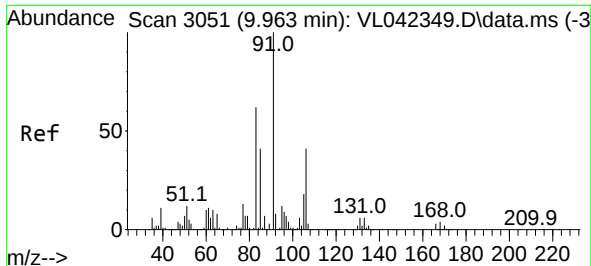
Tgt Ion:105 Resp: 667839

Ion Ratio Lower Upper

105 100

120 23.2 19.8 29.8

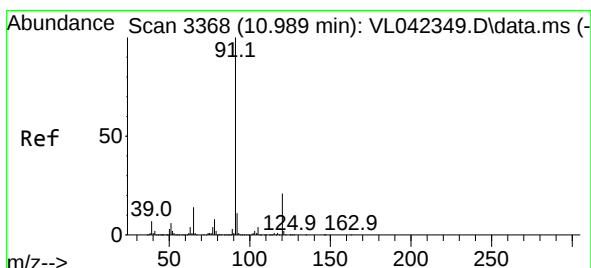
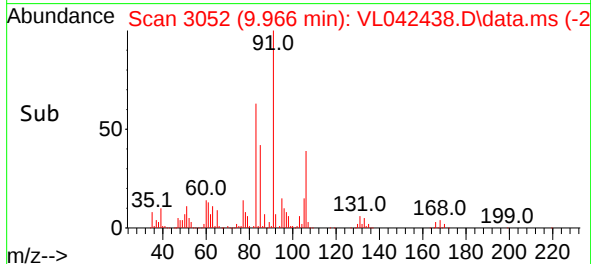
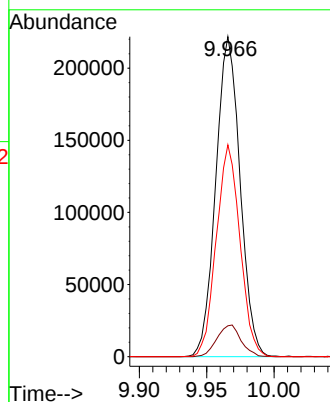
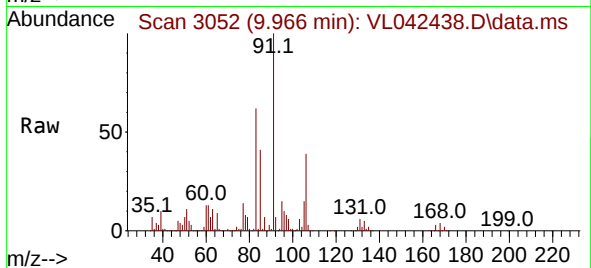




#63
1,1,2,2-Tetrachloroethane
Concen: 9.819 ppbv
RT: 9.966 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

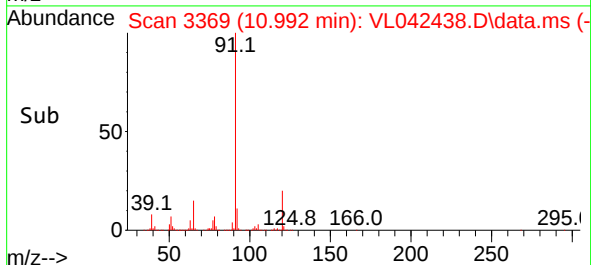
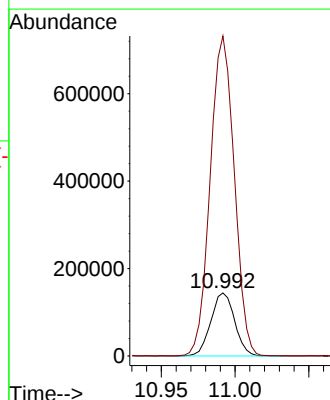
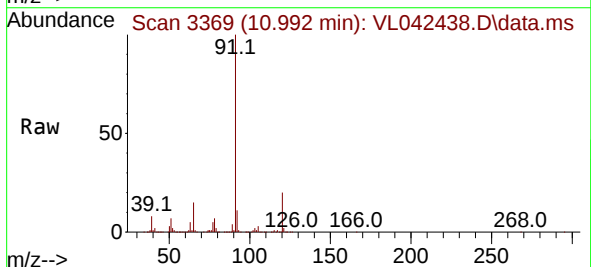
Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

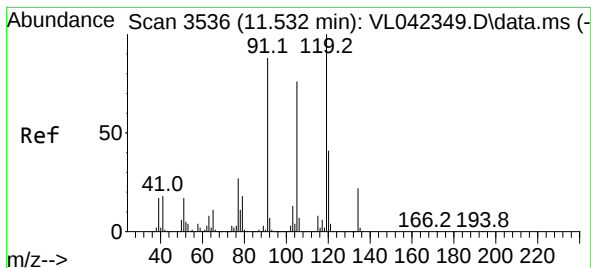
Tgt Ion: 83 Resp: 278491
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.7
85 64.4 32.4 97.0



#64
n-propylbenzene
Concen: 9.987 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion: 120 Resp: 161309
Ion Ratio Lower Upper
120 100
91 515.8 392.4 588.6





#65

tert-Butylbenzene

Concen: 10.260 ppbv

RT: 11.535 min Scan# 3537

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VL0429ABS01

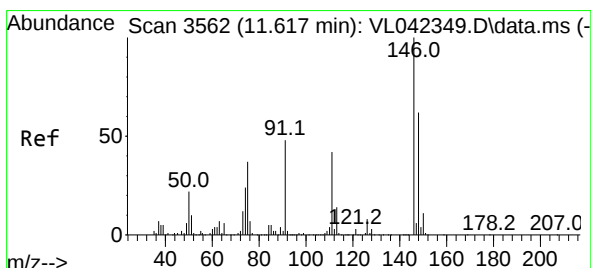
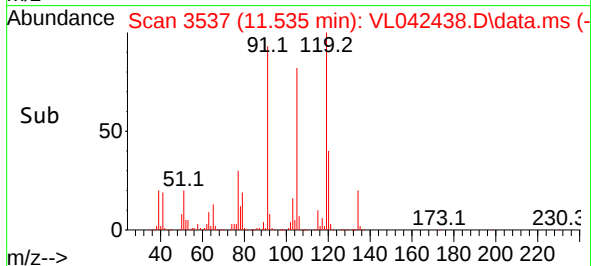
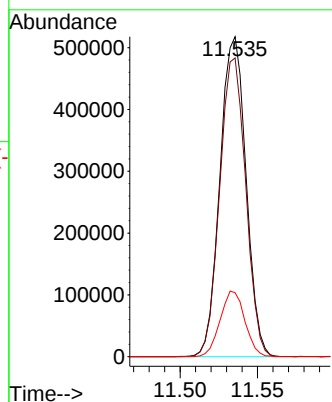
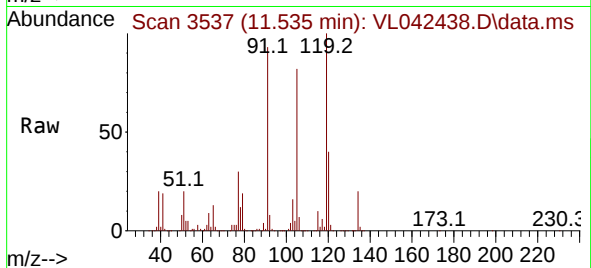
Tgt Ion:119 Resp: 605972

Ion Ratio Lower Upper

119 100

91 93.3 74.6 111.8

134 19.5 18.8 28.2



#66

Benzyl Chloride

Concen: 7.229 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

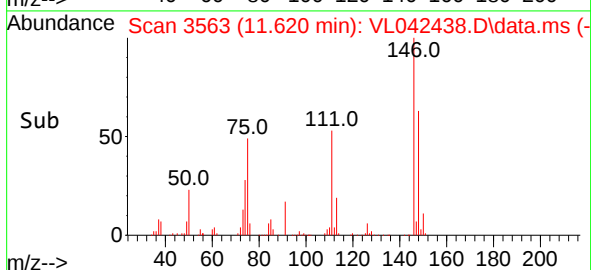
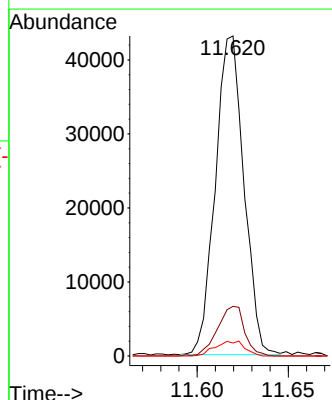
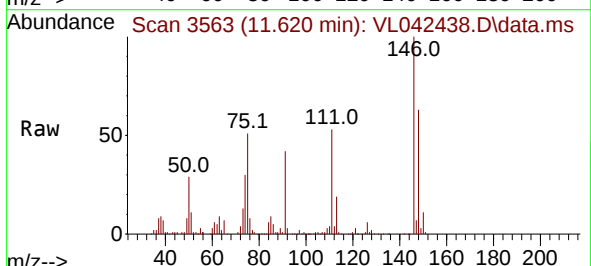
Tgt Ion: 91 Resp: 46913

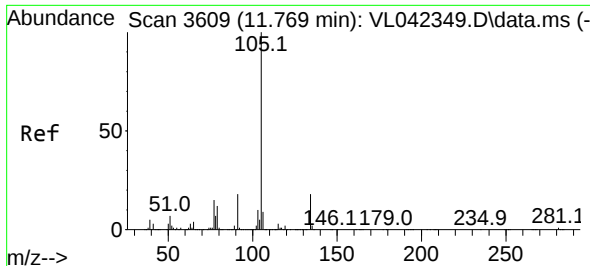
Ion Ratio Lower Upper

91 100

126 14.8 11.8 17.6

128 4.8 4.5 6.7





#67

sec-Butylbenzene

Concen: 10.569 ppbv

RT: 11.772 min Scan# 3610

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_1

ClientSampleId :

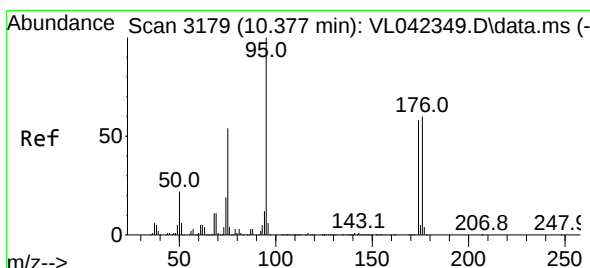
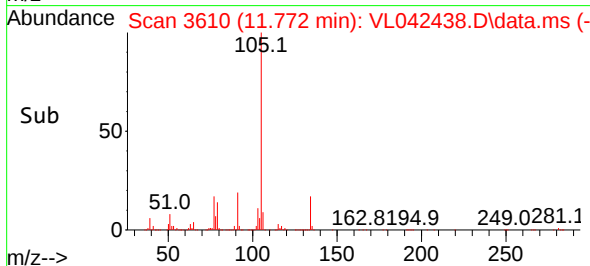
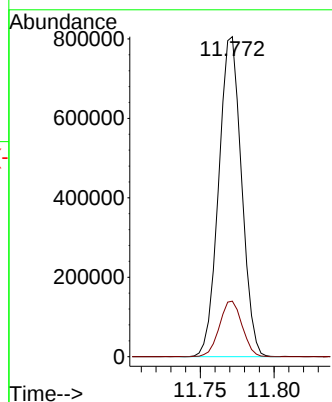
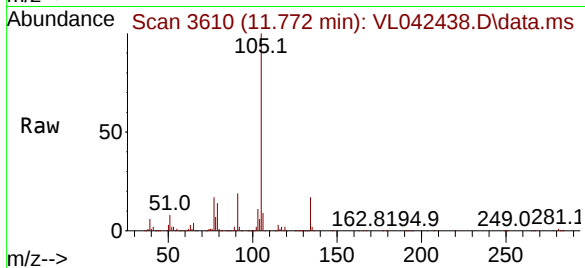
VL0429ABS01

Tgt Ion:105 Resp: 868275

Ion Ratio Lower Upper

105 100

134 17.3 14.6 21.8



#68

1-Bromo-4-Fluorobenzene

Concen: 11.307 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

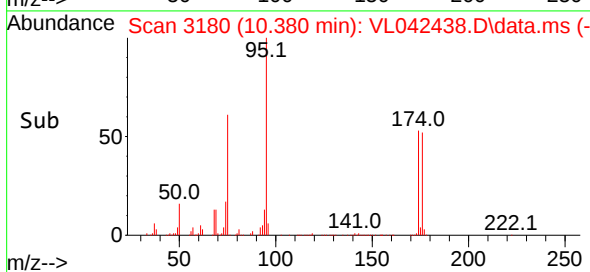
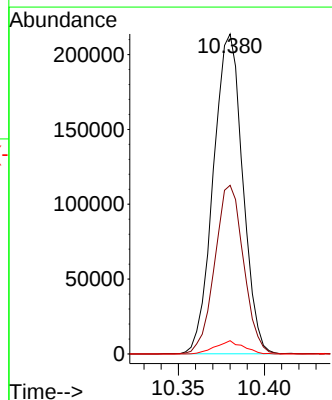
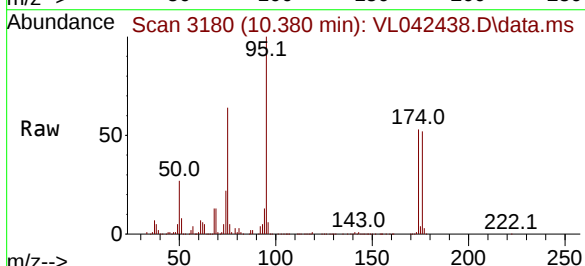
Tgt Ion: 95 Resp: 253021

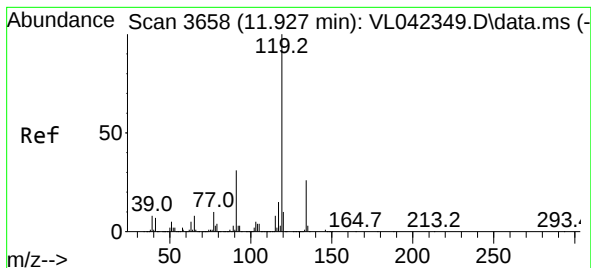
Ion Ratio Lower Upper

95 100

174 52.0 48.5 72.7

175 3.9 3.7 5.5





#69

p-Isopropyltoluene

Concen: 10.282 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. -0.000 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_1

ClientSampleId :

VL0429ABS01

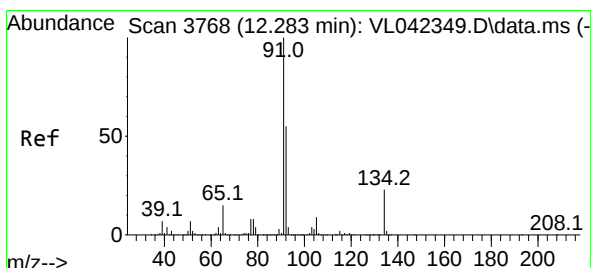
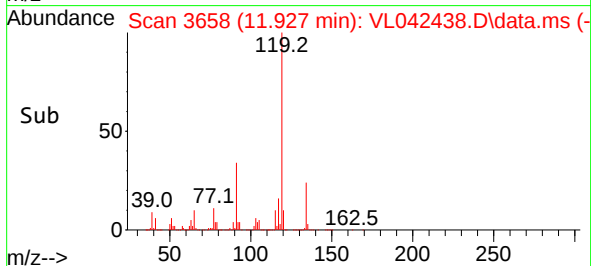
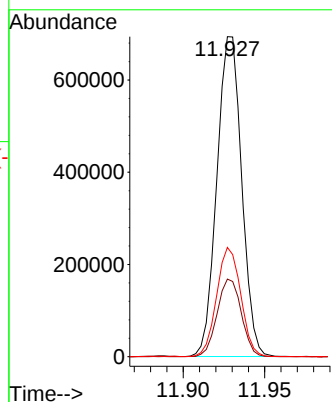
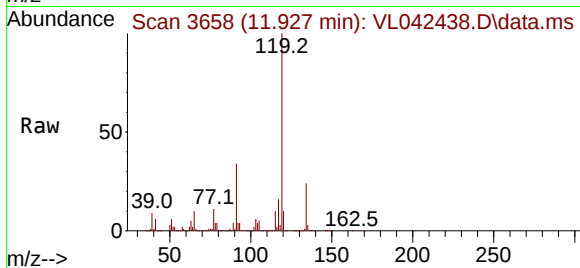
Tgt Ion:119 Resp: 733796

Ion Ratio Lower Upper

119 100

134 23.7 20.0 30.0

91 33.4 24.4 36.6



#70

n-Butylbenzene

Concen: 10.717 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. -0.000 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

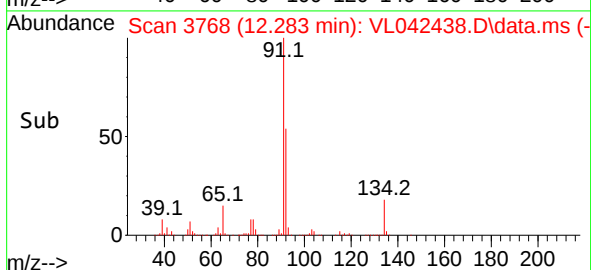
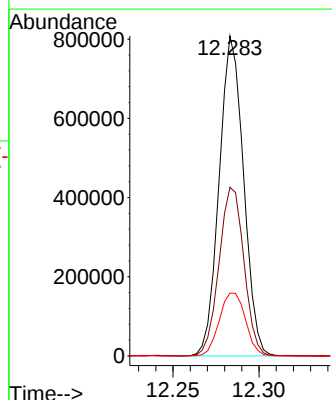
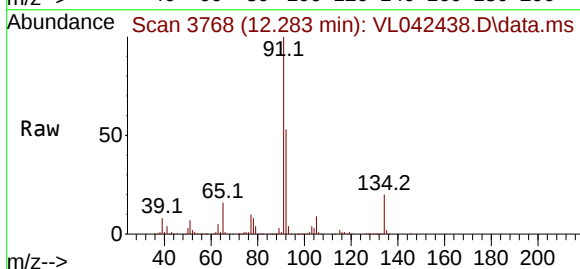
Tgt Ion: 91 Resp: 796622

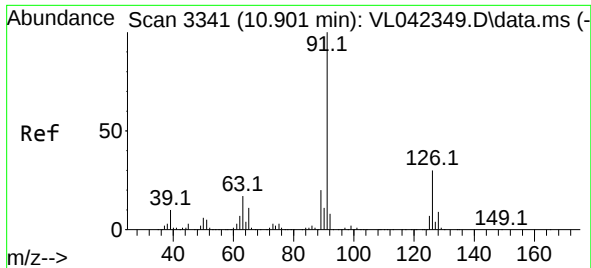
Ion Ratio Lower Upper

91 100

92 54.1 44.2 66.4

134 21.1 18.2 27.4

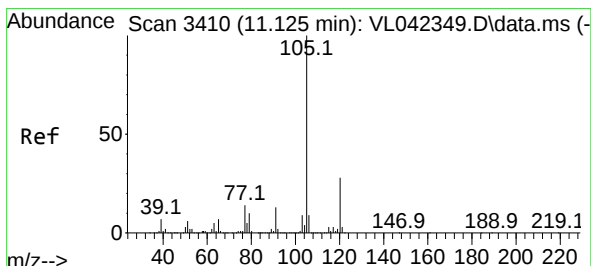
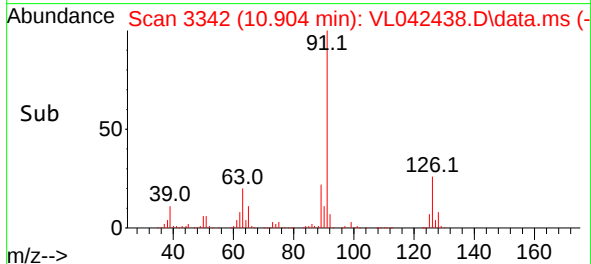
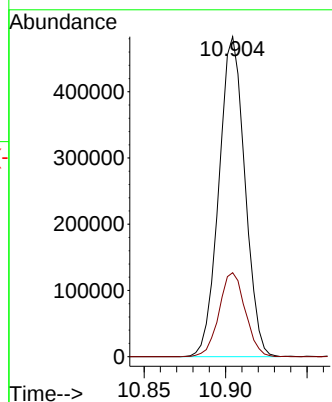
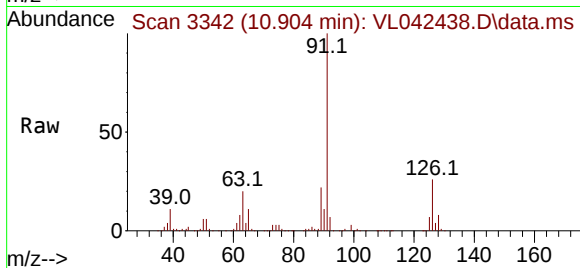




#71
2-Chlorotoluene
Concen: 10.614 ppbv
RT: 10.904 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

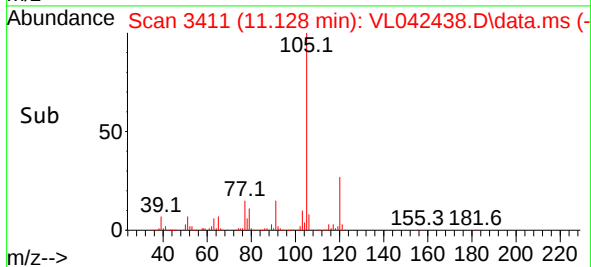
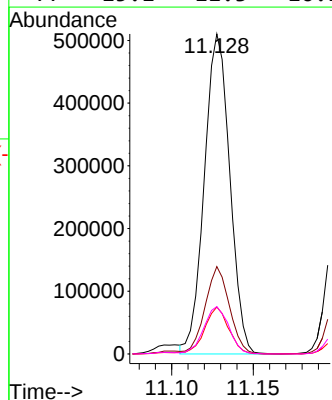
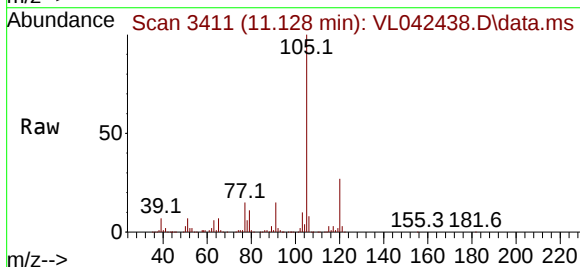
Instrument :
MSVOA_1
ClientSampleId :
VL0429ABS01

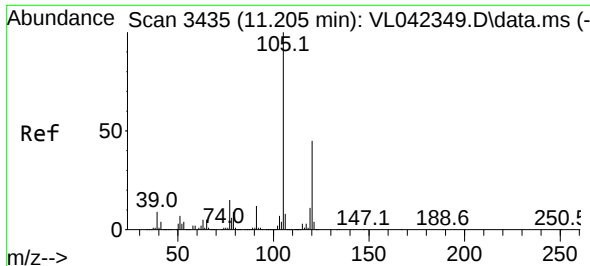
Tgt Ion: 91 Resp: 534951
Ion Ratio Lower Upper
91 100
126 26.4 11.4 45.4



#72
4-Ethyltoluene
Concen: 10.351 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:105 Resp: 553879
Ion Ratio Lower Upper
105 100
120 26.9 23.2 34.8
91 14.3 10.4 15.6
77 15.1 11.3 16.9

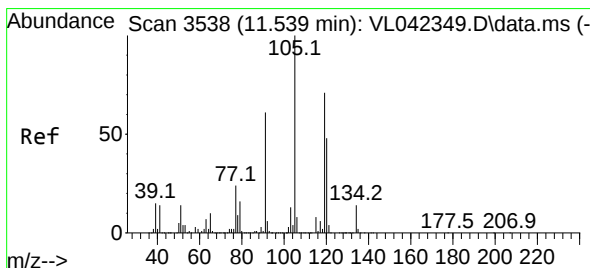
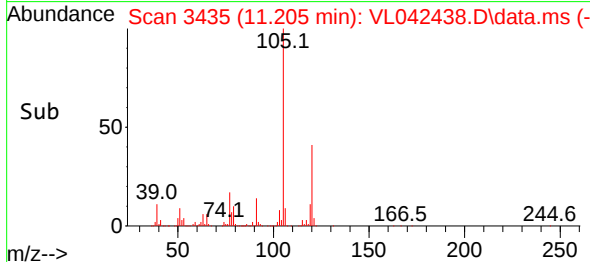
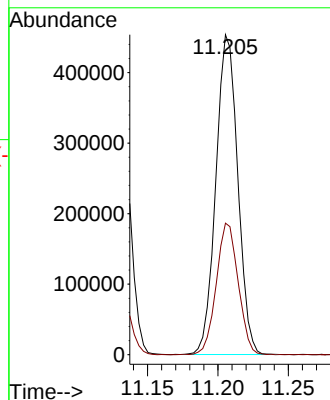
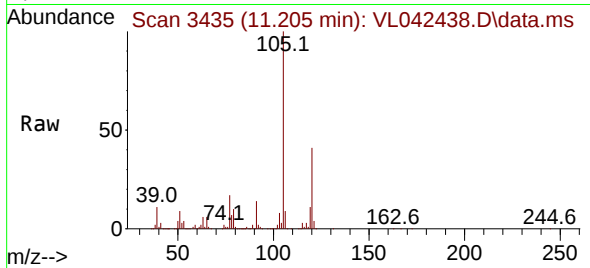




#73
1,3,5-Trimethylbenzene
Concen: 10.403 ppbv
RT: 11.205 min Scan# 3435
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

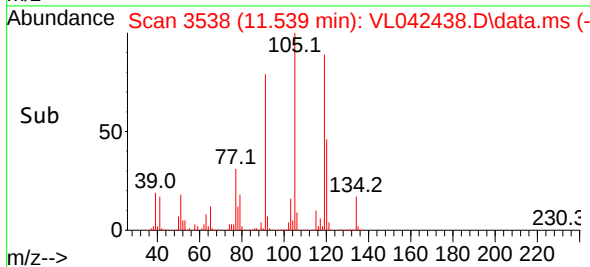
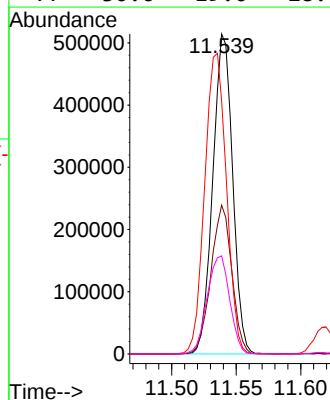
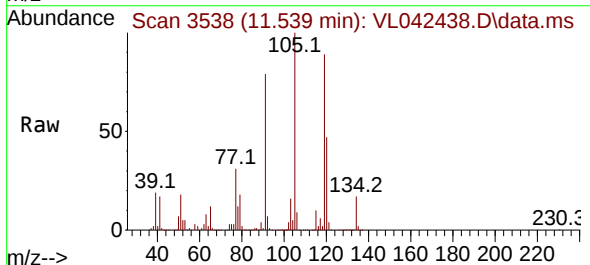
Instrument :
MSVOA_1
ClientSampleId :
VL0429ABS01

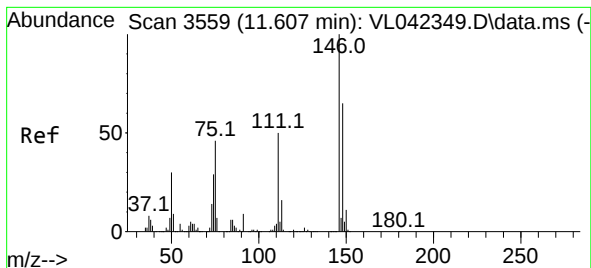
Tgt Ion:105 Resp: 491459
Ion Ratio Lower Upper
105 100
120 41.1 35.6 53.4



#74
1,2,4-Trimethylbenzene
Concen: 9.939 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:105 Resp: 548408
Ion Ratio Lower Upper
105 100
120 46.5 38.1 57.1
91 79.0 48.8 73.2#
77 30.6 19.0 28.4#





#75

1,3-Dichlorobenzene

Concen: 9.931 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VL0429ABS01

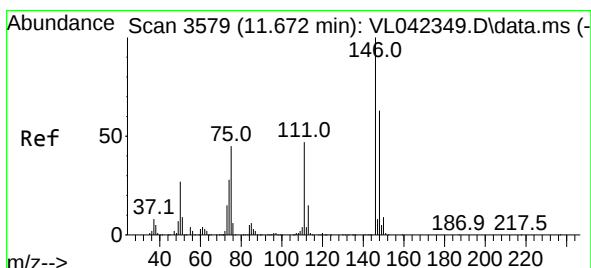
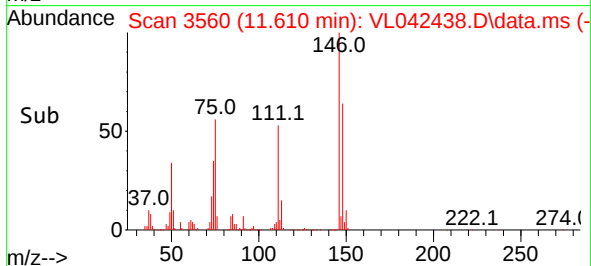
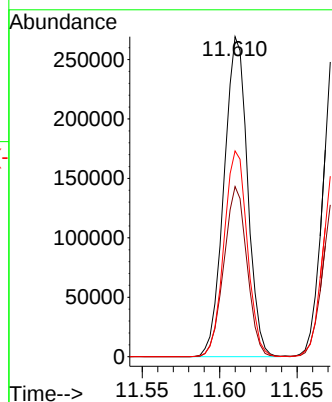
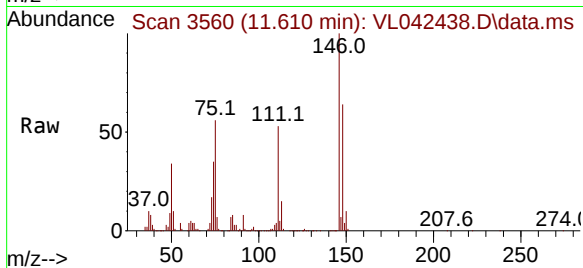
Tgt Ion:146 Resp: 284809

Ion Ratio Lower Upper

146 100

111 52.1 24.3 72.8

148 63.8 31.6 94.8



#76

1,4-Dichlorobenzene

Concen: 9.907 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

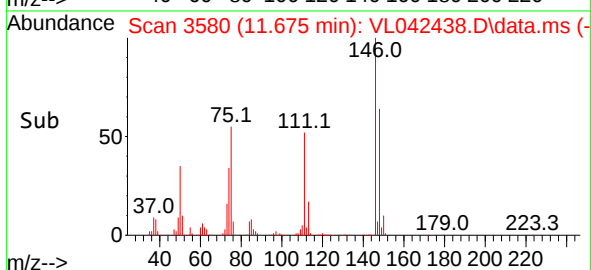
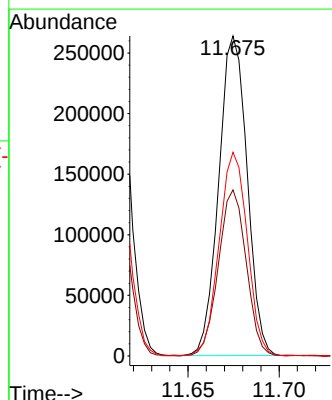
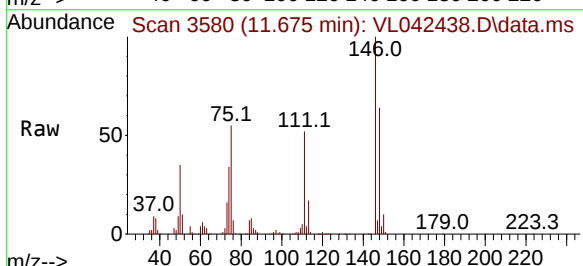
Tgt Ion:146 Resp: 285571

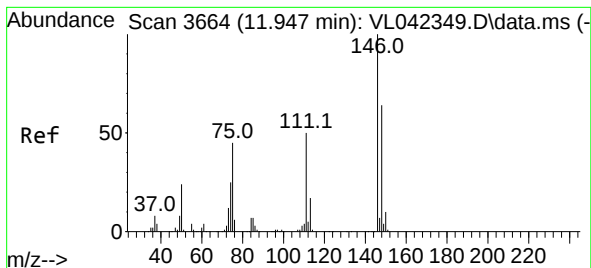
Ion Ratio Lower Upper

146 100

111 51.1 24.2 72.6

148 63.6 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 10.128 ppbv

RT: 11.950 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VL0429ABS01

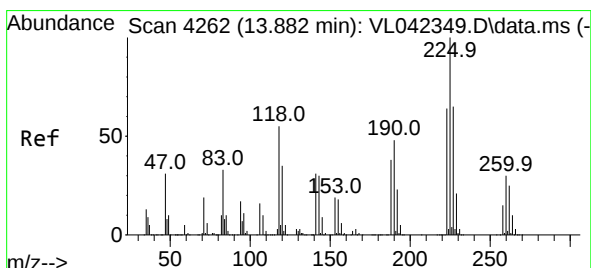
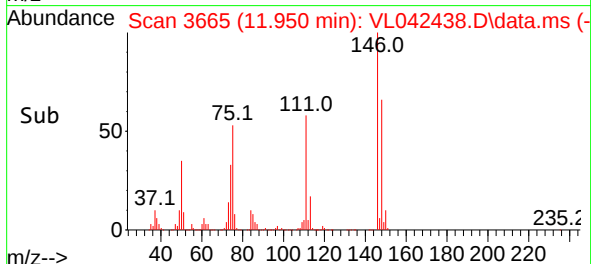
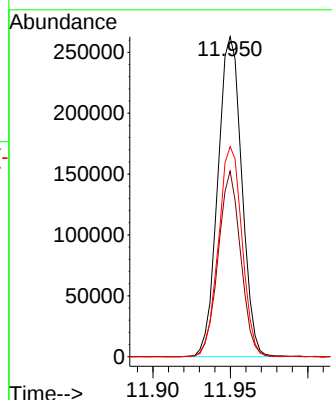
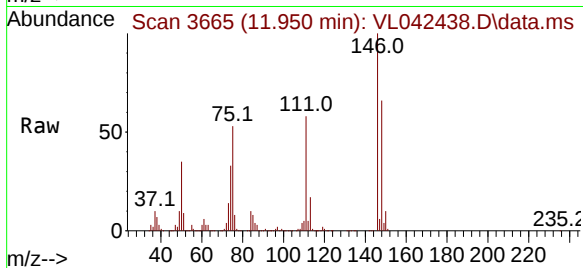
Tgt Ion:146 Resp: 282424

Ion Ratio Lower Upper

146 100

111 54.6 25.3 75.9

148 64.8 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 9.977 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.003 min

Lab File: VL042438.D

Acq: 29 Apr 2025 10:08

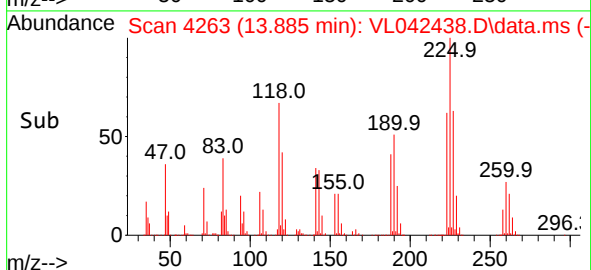
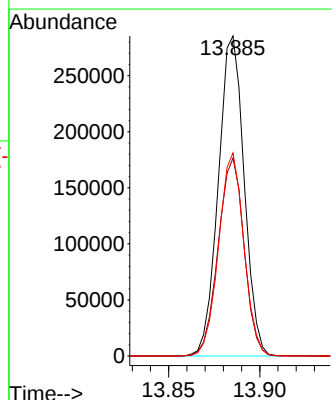
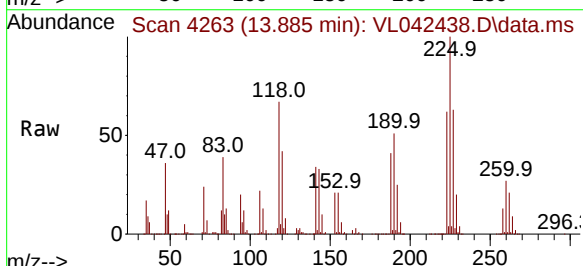
Tgt Ion:225 Resp: 280954

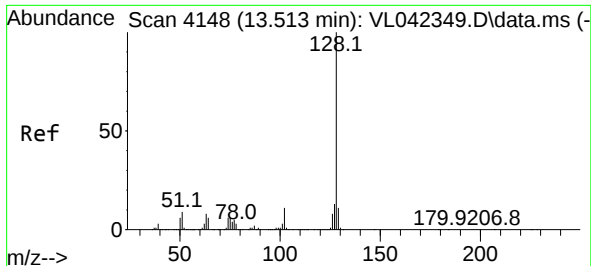
Ion Ratio Lower Upper

225 100

223 61.8 50.3 75.5

227 61.9 51.5 77.3

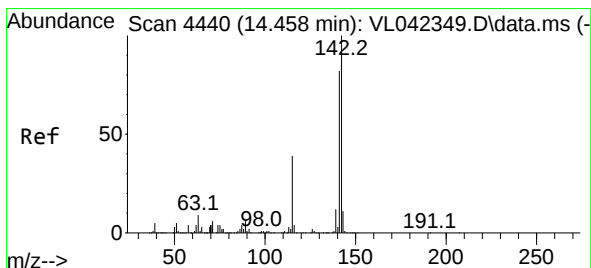
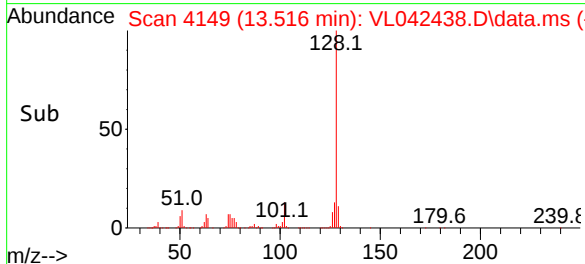
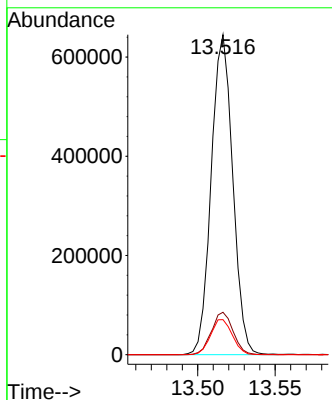
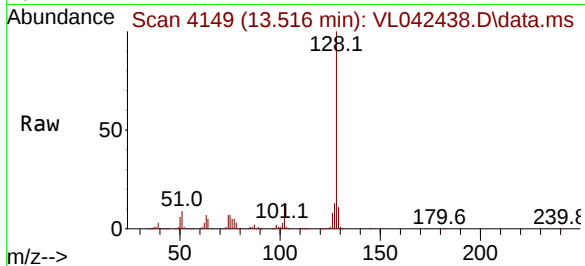




#79
Naphthalene
Concen: 9.425 ppbv
RT: 13.516 min Scan# 4148
Delta R.T. 0.003 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

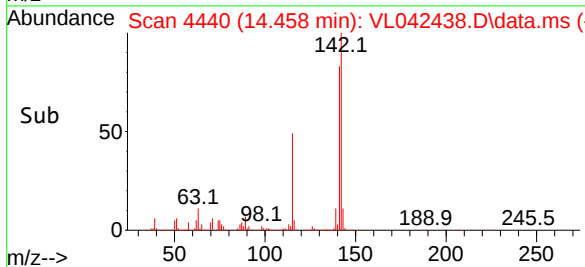
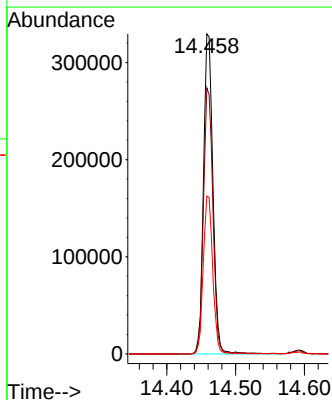
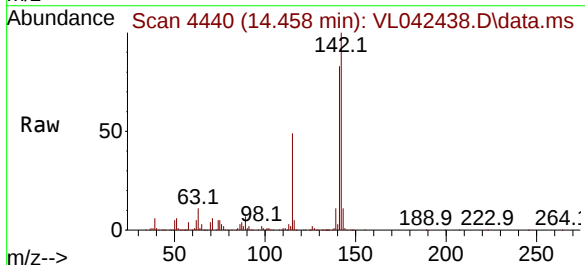
Instrument :
MSVOA_L
ClientSampleId :
VL0429ABS01

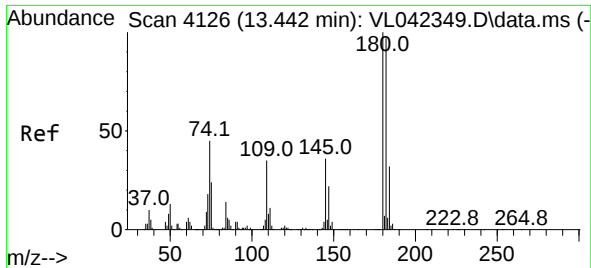
Tgt Ion:128 Resp: 621879
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.0 8.6 12.8



#80
Naphthalene,2-methyl-
Concen: 8.317 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042438.D
Acq: 29 Apr 2025 10:08

Tgt Ion:142 Resp: 312733
Ion Ratio Lower Upper
142 100
141 84.1 66.8 100.2
115 49.9 33.4 50.2





#81

1,2,4-Trichlorobenzene

Concen: 9.498 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042438.D

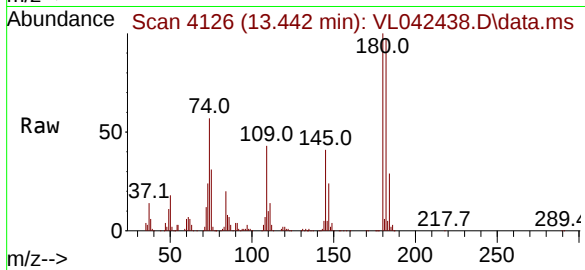
Acq: 29 Apr 2025 10:08

Instrument :

MSVOA_L

ClientSampleId :

VL0429ABS01



Tgt Ion:180 Resp: 269082

Ion Ratio Lower Upper

180 100

182 95.8 76.8 115.2

184 29.3 24.6 36.8

