

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
 Data File : VL042230.D
 Acq On : 07 Apr 2025 11:09
 Operator : SY/MD
 Sample : VL0407ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

Quant Time: Apr 08 01:29:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	197822	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	531347	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	473981	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	398322	10.233	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	273487	9.363	ppbv	100
3) Chlorodifluoromethane	1.479	51	276521	9.267	ppbv	97
4) Chloromethane	1.538	50	106766	8.944	ppbv	99
5) Vinyl Chloride	1.586	62	101600	8.032	ppbv	94
6) Bromomethane	1.674	94	44439	8.215	ppbv	98
7) Chloroethane	1.709	64	42458	8.861	ppbv	97
8) Dichlorotetrafluoroethane	1.560	85	230477	9.266	ppbv	94
9) Propene	1.489	41	106235	7.768	ppbv	97
10) Heptane	5.001	43	311035	8.550	ppbv	100
11) Trichlorofluoromethane	1.884	101	260770	9.175	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.149	101	210391	9.006	ppbv	96
13) Ethanol	1.729	45	5394	4.172	ppbv	97
14) Bromoethene	1.787	108	71737	8.016	ppbv	97
15) Acetone	1.842	43	230460	8.330	ppbv	96
16) 1,3-Butadiene	1.615	39	109306	8.090	ppbv	99
17) tert-Butyl alcohol	2.049	59	271487	7.879	ppbv	99
18) 1,1-Dichloroethene	2.042	96	88728	8.125	ppbv	95
19) Isopropyl Alcohol	1.894	45	129131	8.272	ppbv	98
20) Methylene Chloride	2.068	84	76153	7.391	ppbv	92
21) Allyl Chloride	2.104	41	167334	8.576	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	104449	8.275	ppbv	93
23) Vinyl Acetate	2.473	43	96391	8.050	ppbv #	97
24) 1,1-Dichloroethane	2.418	63	214121	9.152	ppbv	100
25) Ethyl Acetate	2.848	43	639210	8.902	ppbv	99
26) Hexane	2.839	57	246755	8.897	ppbv	100
27) Carbon Disulfide	2.159	76	258412	8.689	ppbv	96
28) Methyl tert-Butyl Ether	2.450	73	142610	8.259	ppbv	94
29) Chloroform	2.861	83	397517	9.793	ppbv	99
30) Cyclohexane	3.874	84	203521	8.451	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	249591	8.864	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	406124	8.739	ppbv	98
34) 2-Butanone	2.570	43	362939	9.420	ppbv	99
35) Carbon Tetrachloride	3.781	117	418362	10.079	ppbv	99
36) Benzene	3.674	78	494216	9.382	ppbv	99
37) 1,2-Dichloroethane	3.234	62	314377	10.424	ppbv	98
38) Trichloroethene	4.570	130	202575	9.217	ppbv	97
39) 1,2-Dichloropropane	4.334	63	179485	9.356	ppbv	92
40) 1,4-Dioxane	4.606	88	85103	8.358	ppbv #	93
41) Tetrahydrofuran	3.068	42	201260	9.071	ppbv	98
42) Bromodichloromethane	4.512	83	430763	10.361	ppbv	99
43) Methyl Methacrylate	4.907	69	188872	8.470	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	838005	9.414	ppbv	97
45) t-1,3-Dichloropropene	6.444	75	194507	8.130	ppbv	97

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Instrument :
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 ClientSampleId :
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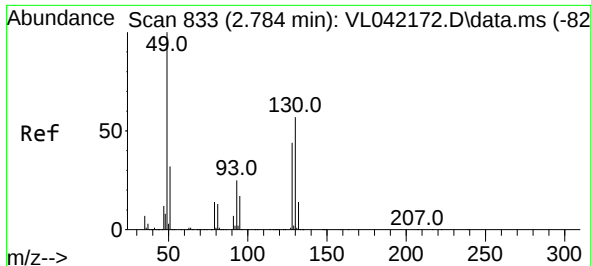
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	252229	8.601	ppbv	99
47) 1,1,2-Trichloroethane	6.606	97	201960	9.959	ppbv	95
48) Dibromochloromethane	7.412	129	343914	10.007	ppbv	99
49) Bromoform	9.500	173	302914	9.817	ppbv	99
50) 4-Methyl-2-Pentanone	5.784	43	510960	8.368	ppbv	97
51) 2-Hexanone	7.461	43	415858	8.294	ppbv #	96
52) Tetrachloroethene	8.244	164	174622	8.359	ppbv	96
53) Toluene	6.962	91	562424	9.007	ppbv	99
54) 1,2-Dibromoethane	7.674	107	272683	9.646	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.943	131	276768	10.608	ppbv	99
57) Chlorobenzene	8.940	112	458748	10.204	ppbv	99
58) Ethyl Benzene	9.373	91	821248	9.754	ppbv	99
59) m/p-Xylene	9.568	91	594110	8.837	ppbv #	9
60) o-Xylene	9.982	91	684704	10.160	ppbv	97
61) Styrene	9.888	104	318889	9.564	ppbv	99
62) Isopropylbenzene	10.555	105	1035385	10.274	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.979	83	442871	10.816	ppbv	98
64) n-propylbenzene	11.005	120	270373	10.422	ppbv	99
65) tert-Butylbenzene	11.545	119	944630	10.135	ppbv	98
66) Benzyl Chloride	11.629	91	70444	7.123	ppbv	100
67) sec-Butylbenzene	11.782	105	1346681	10.395	ppbv	99
69) p-Isopropyltoluene	11.940	119	1151394	10.321	ppbv	99
70) n-Butylbenzene	12.296	91	1190709	10.437	ppbv	98
71) 2-Chlorotoluene	10.917	91	803764	10.276	ppbv	100
72) 4-Ethyltoluene	11.141	105	867726	10.341	ppbv	99
73) 1,3,5-Trimethylbenzene	11.218	105	750866	10.246	ppbv	97
74) 1,2,4-Trimethylbenzene	11.552	105	832142	9.856	ppbv	93
75) 1,3-Dichlorobenzene	11.623	146	491666	10.618	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	486784	10.563	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	480453	10.656	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	375805	8.189	ppbv	99
79) Naphthalene	13.526	128	855353	9.262	ppbv	100
80) Naphthalene,2-methyl-	14.471	142	301864	6.665	ppbv	99
81) 1,2,4-Trichlorobenzene	13.455	180	383097	8.994	ppbv	98

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

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

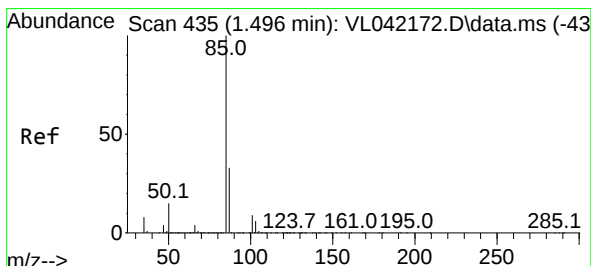
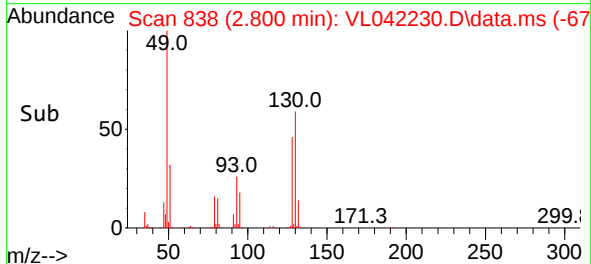
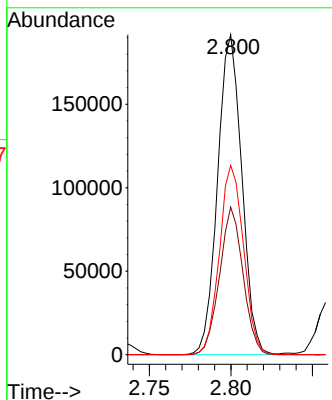
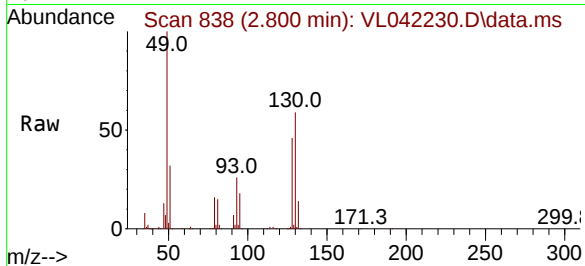
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

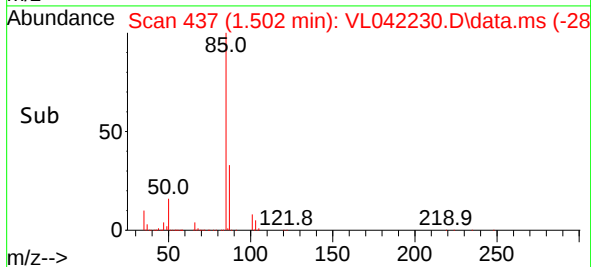
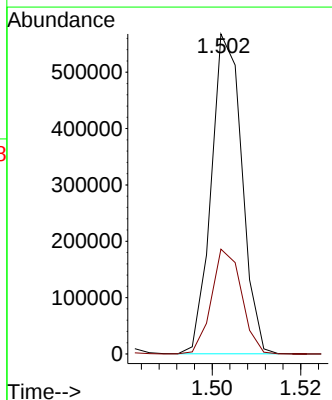
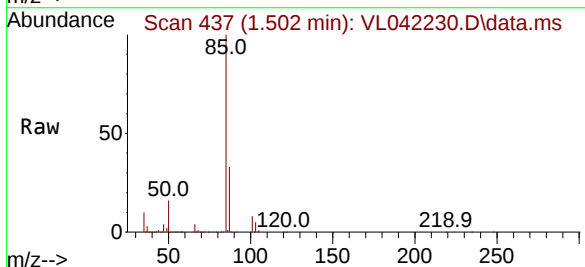
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ClientSampleId :
VL0407ABS01

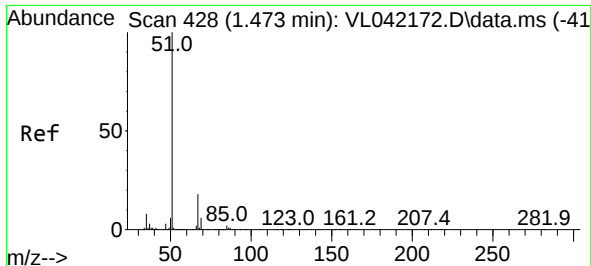
Tgt Ion: 49 Resp: 197822
Ion Ratio Lower Upper
49 100
128 44.6 22.9 68.5
130 59.0 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 9.363 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 85 Resp: 273487
Ion Ratio Lower Upper
85 100
87 32.7 26.1 39.1

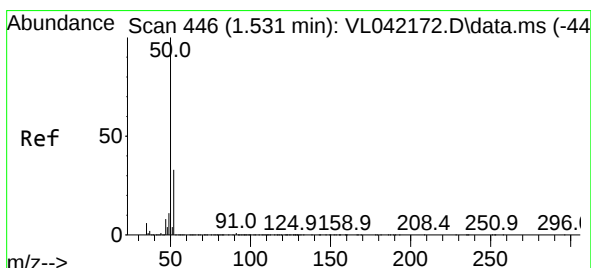
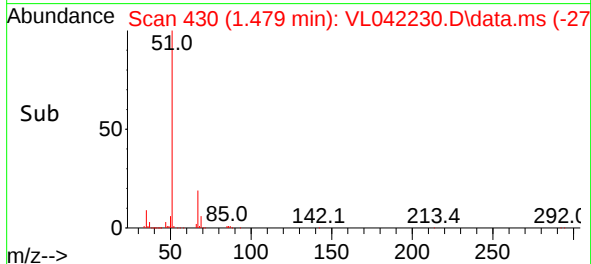
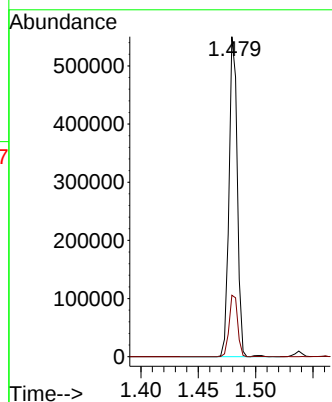
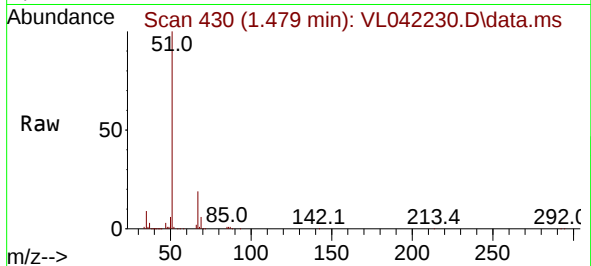




#3
Chlorodifluoromethane
Concen: 9.267 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

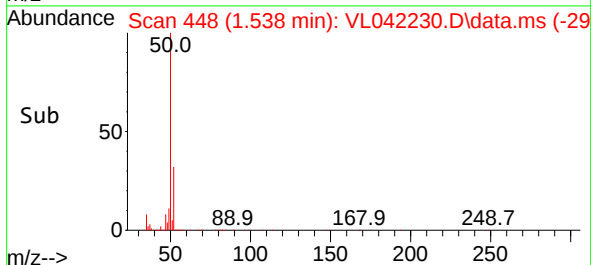
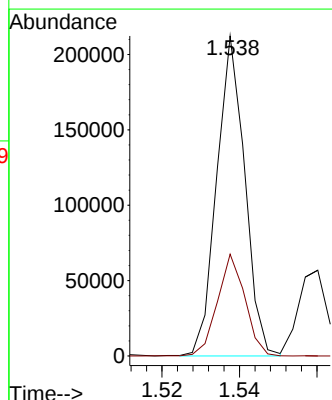
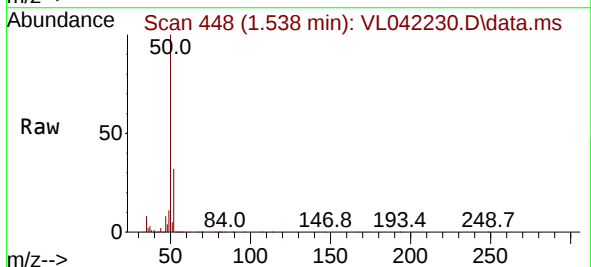
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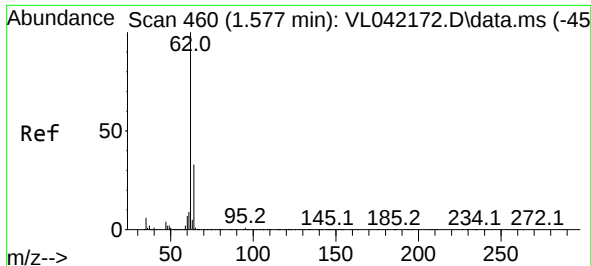
Tgt Ion: 51 Resp: 276521
Ion Ratio Lower Upper
51 100
67 19.9 15.0 22.6



#4
Chloromethane
Concen: 8.944 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 50 Resp: 106766
Ion Ratio Lower Upper
50 100
52 31.8 26.1 39.1

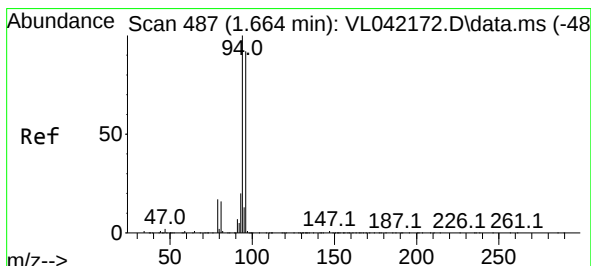
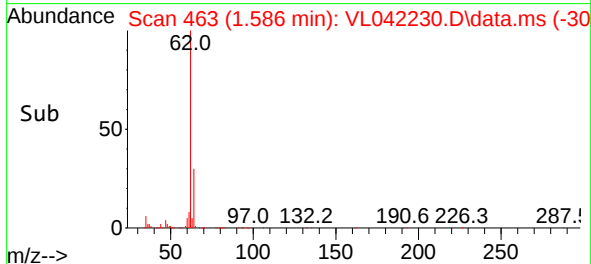
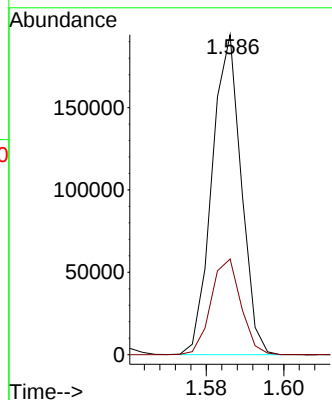
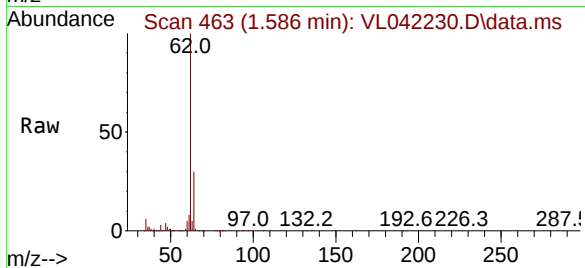




#5
 Vinyl Chloride
 Concen: 8.032 ppbv
 RT: 1.586 min Scan# 4
 Delta R.T. 0.009 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

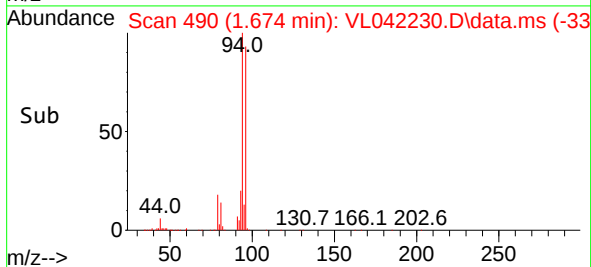
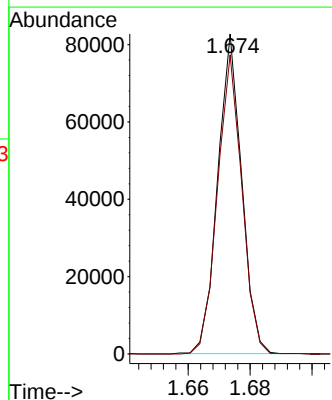
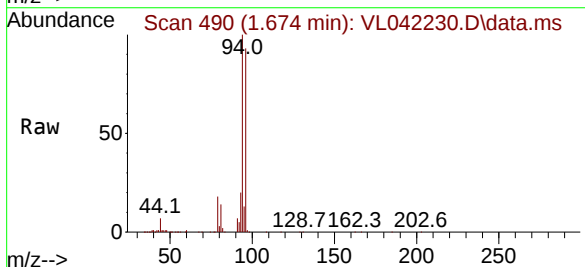
Instrument :
 MSVOA_1
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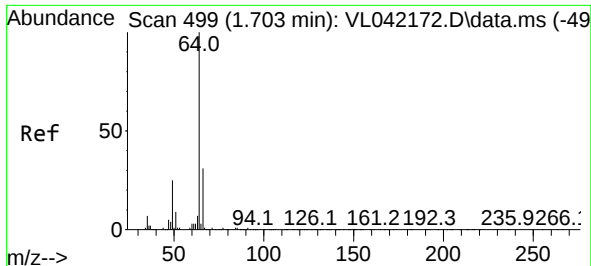
Tgt Ion: 62 Resp: 101600
 Ion Ratio Lower Upper
 62 100
 64 29.8 26.6 40.0



#6
 Bromomethane
 Concen: 8.215 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.009 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

Tgt Ion: 94 Resp: 44439
 Ion Ratio Lower Upper
 94 100
 96 93.6 73.1 109.7

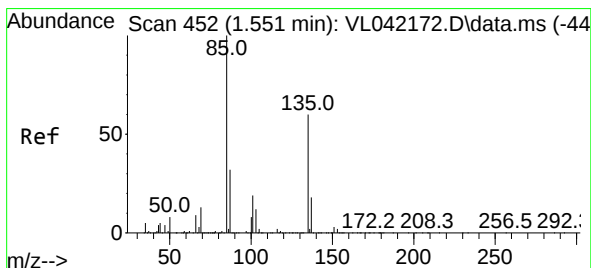
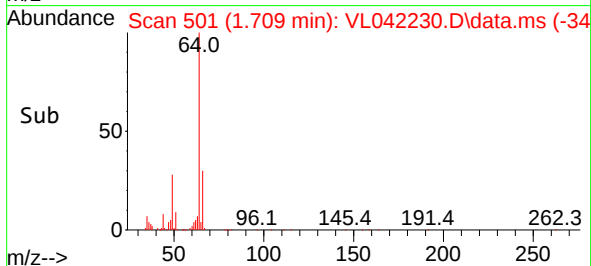
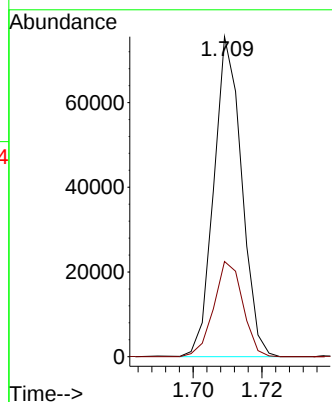
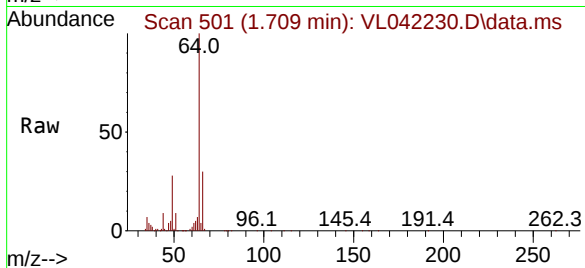




#7
Chloroethane
Concen: 8.861 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

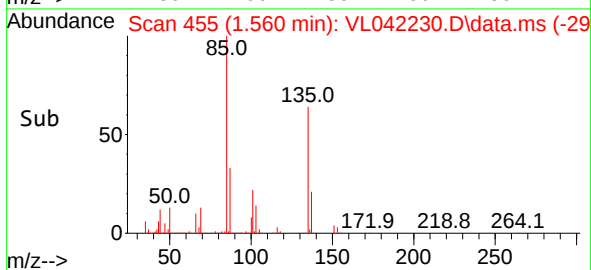
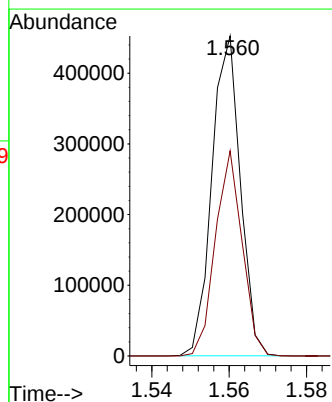
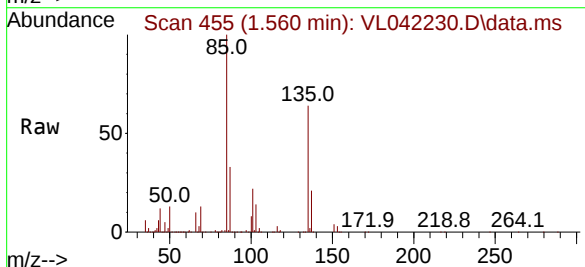
Instrument :
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ClientSampleId :
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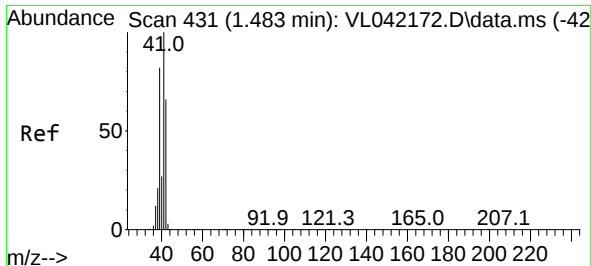
Tgt Ion: 64 Resp: 42458
Ion Ratio Lower Upper
64 100
66 29.8 25.2 37.8



#8
Dichlorotetrafluoroethane
Concen: 9.266 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 85 Resp: 230477
Ion Ratio Lower Upper
85 100
135 60.5 52.4 78.6





#9

Propene

Concen: 7.768 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

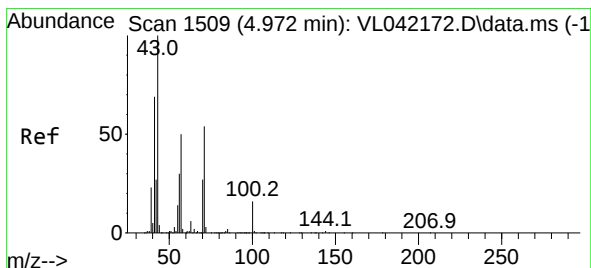
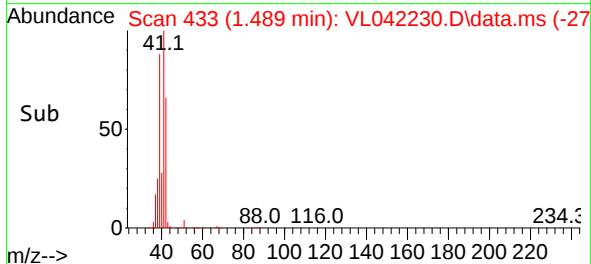
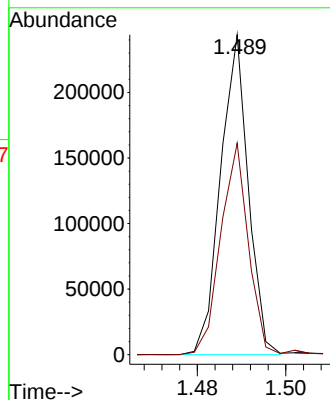
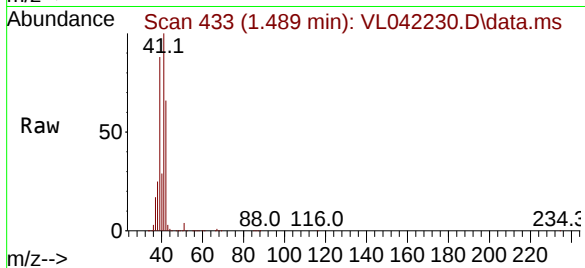
VL0407ABS01

Tgt Ion: 41 Resp: 106235

Ion Ratio Lower Upper

41 100

42 66.9 55.4 83.2



#10

Heptane

Concen: 8.550 ppbv

RT: 5.001 min Scan# 1518

Delta R.T. 0.029 min

Lab File: VL042230.D

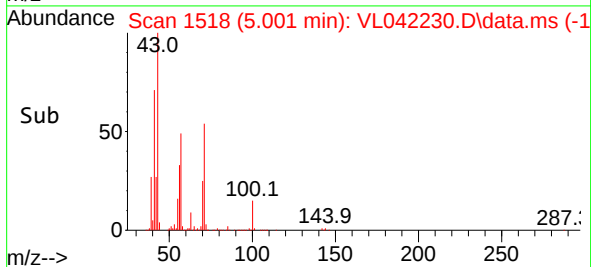
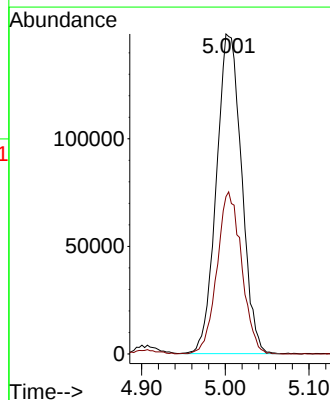
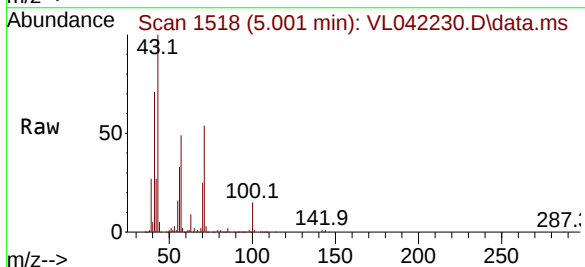
Acq: 07 Apr 2025 11:09

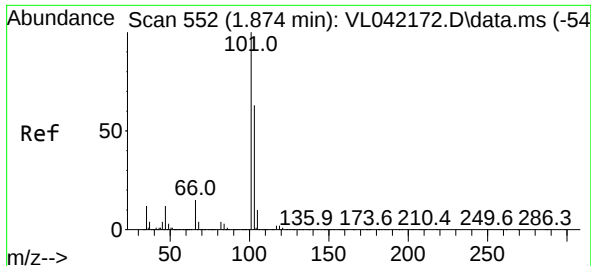
Tgt Ion: 43 Resp: 311035

Ion Ratio Lower Upper

43 100

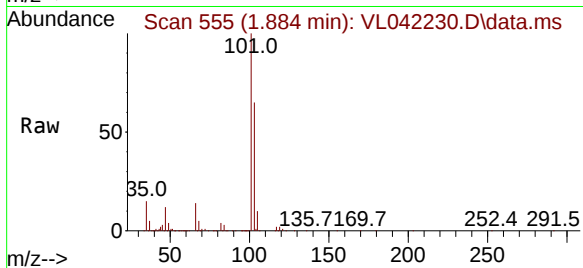
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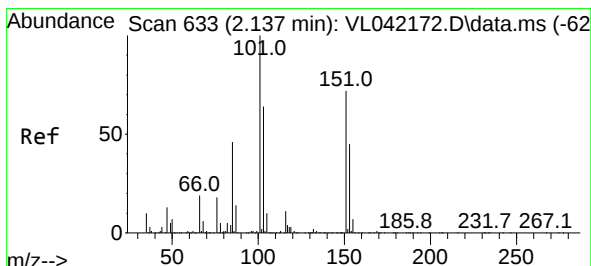
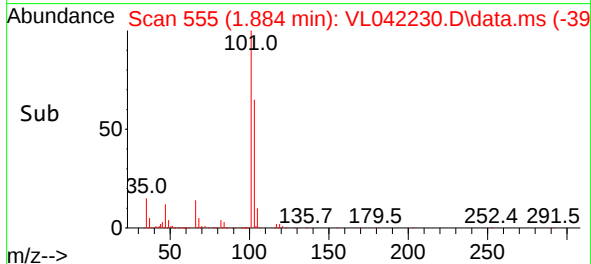
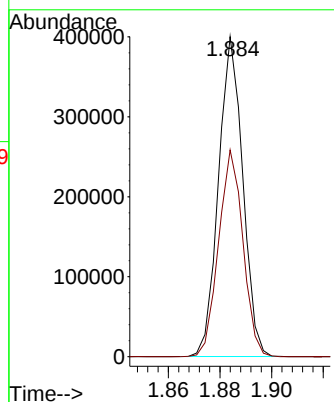


#11
Trichlorofluoromethane
Concen: 9.175 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

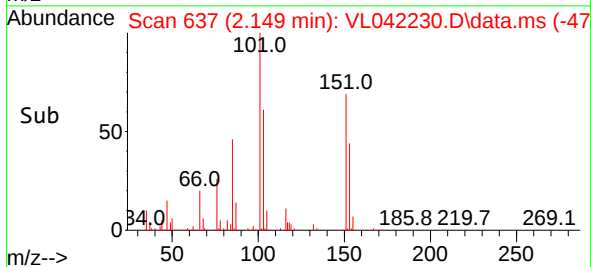
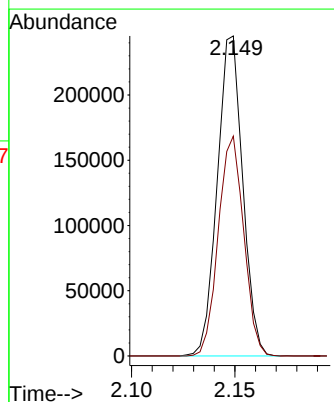
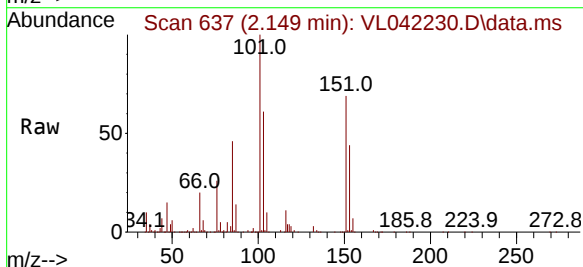


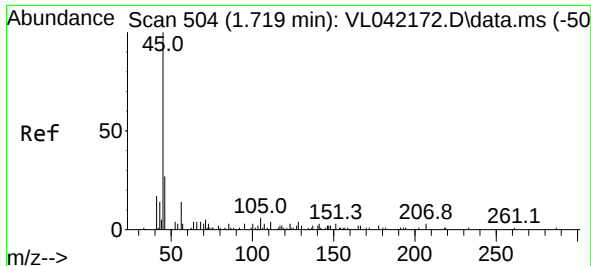
Tgt Ion:101 Resp: 260770
Ion Ratio Lower Upper
101 100
103 64.6 50.2 75.2



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.006 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:101 Resp: 210391
Ion Ratio Lower Upper
101 100
151 68.4 57.1 85.7

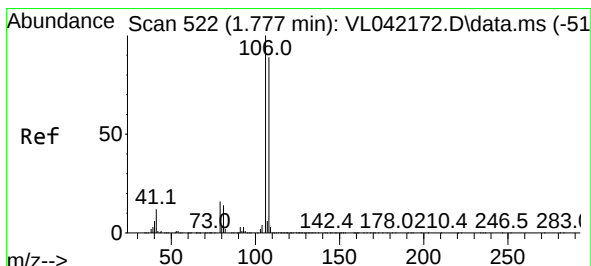
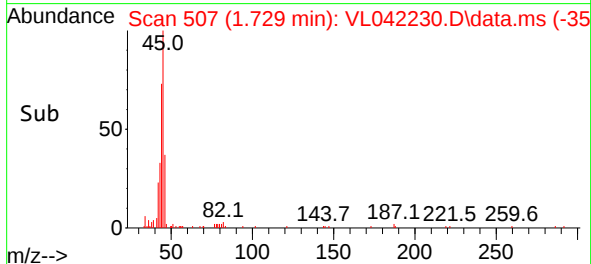
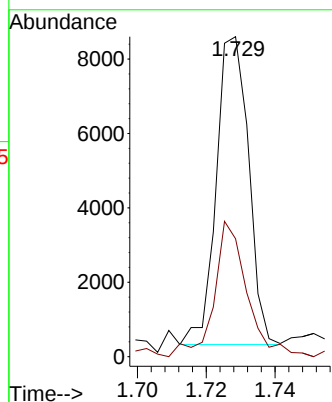
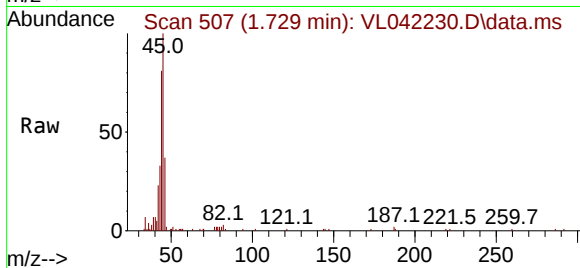




#13
 Ethanol
 Concen: 4.172 ppbv
 RT: 1.729 min Scan# 504
 Delta R.T. 0.009 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

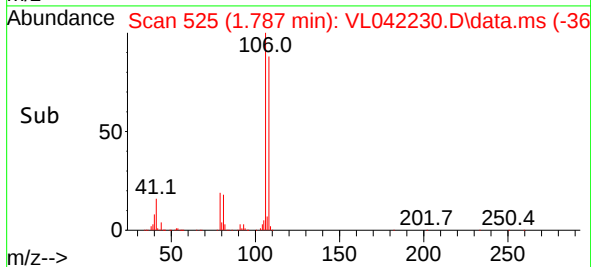
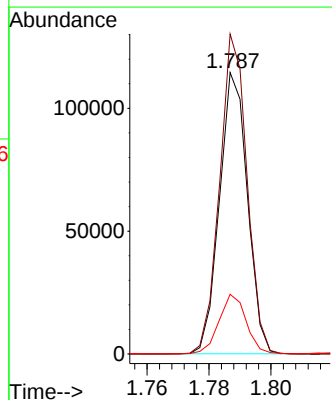
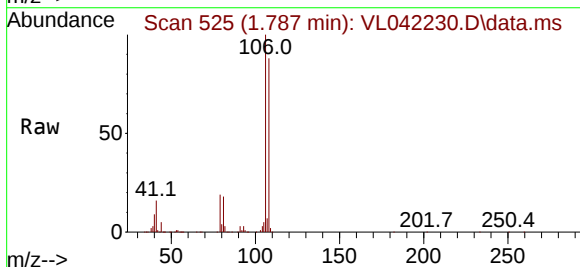
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0407ABS01

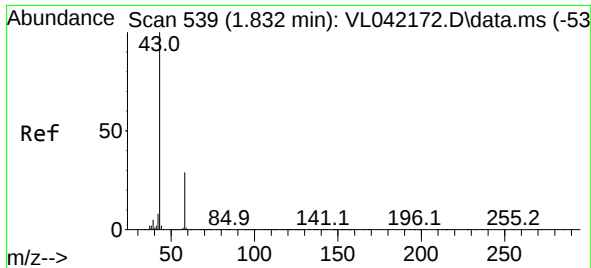
Tgt Ion: 45 Resp: 5394
 Ion Ratio Lower Upper
 45 100
 46 48.4 20.2 80.8



#14
 Bromoethene
 Concen: 8.016 ppbv
 RT: 1.787 min Scan# 525
 Delta R.T. 0.009 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

Tgt Ion: 108 Resp: 71737
 Ion Ratio Lower Upper
 108 100
 106 111.4 86.8 130.2
 79 21.4 15.0 22.6

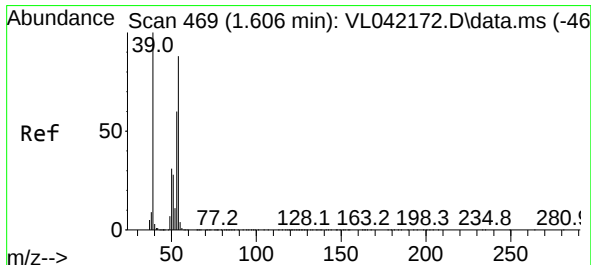
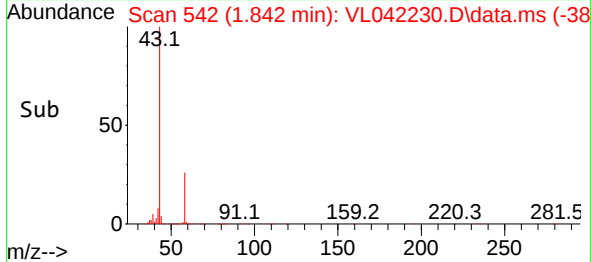
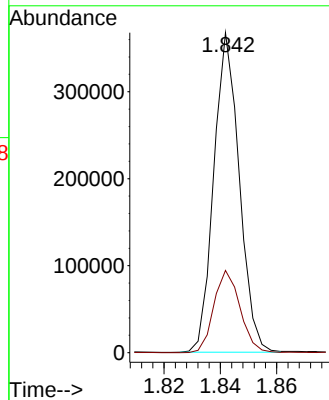
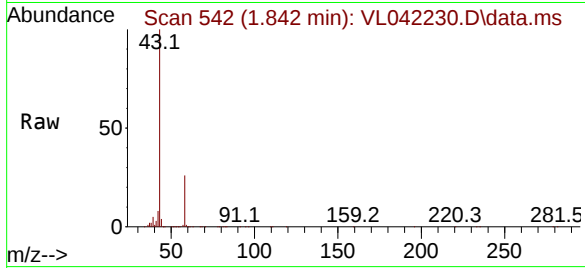




#15
Acetone
Concen: 8.330 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

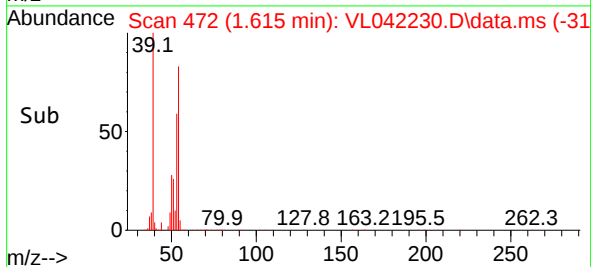
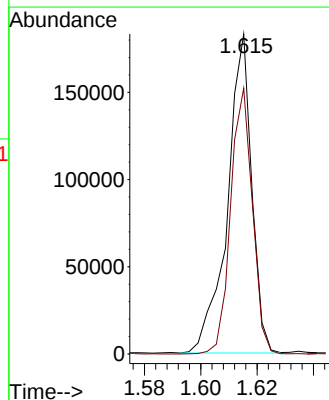
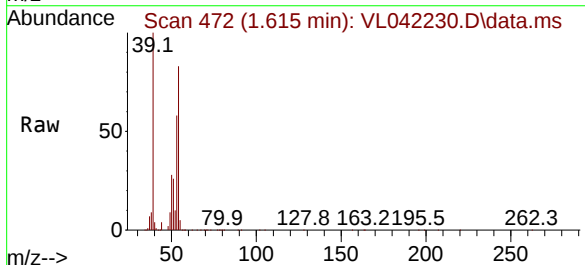
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

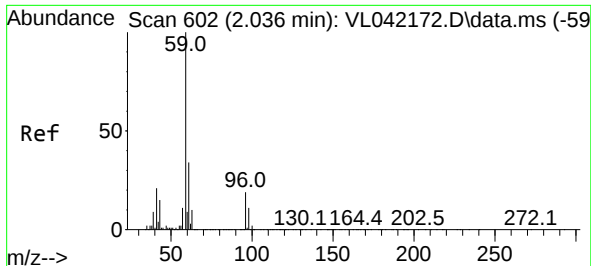
Tgt Ion: 43 Resp: 230460
Ion Ratio Lower Upper
43 100
58 26.7 23.2 34.8



#16
1,3-Butadiene
Concen: 8.090 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 39 Resp: 109306
Ion Ratio Lower Upper
39 100
54 74.7 60.7 91.1





#17

tert-Butyl alcohol

Concen: 7.879 ppbv

RT: 2.049 min Scan# 60

Delta R.T. 0.013 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

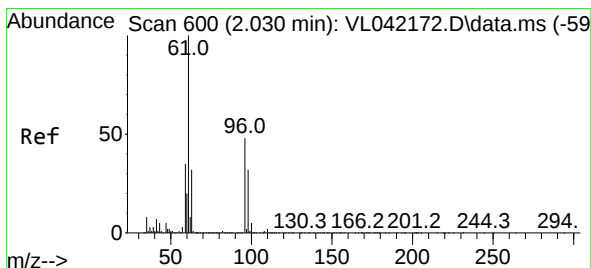
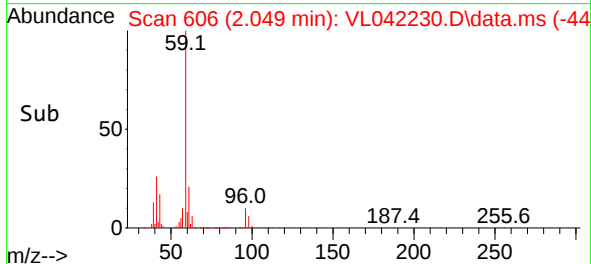
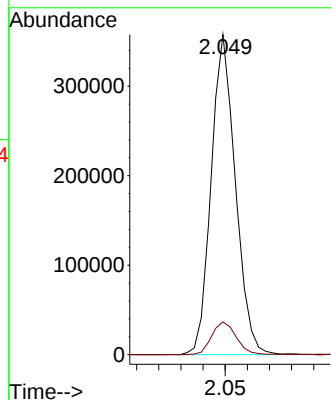
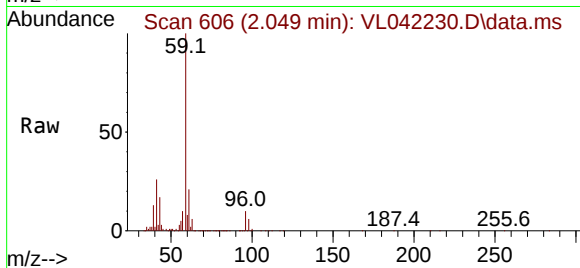
VL0407ABS01

Tgt Ion: 59 Resp: 271487

Ion Ratio Lower Upper

59 100

57 10.7 8.9 13.3



#18

1,1-Dichloroethene

Concen: 8.125 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.013 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

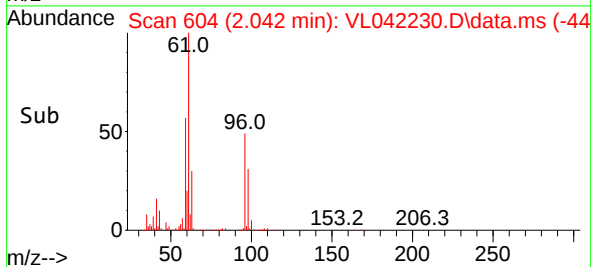
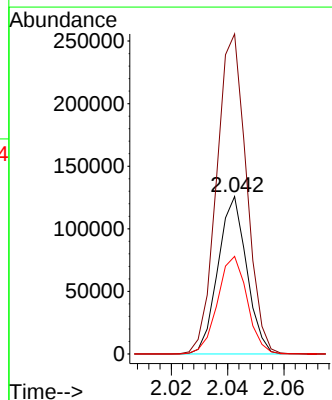
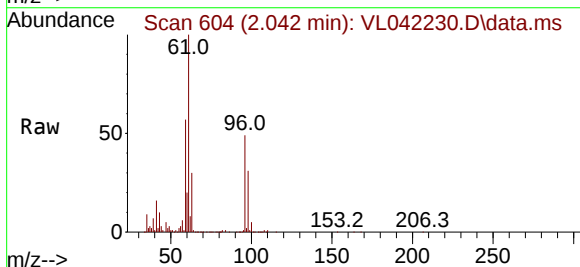
Tgt Ion: 96 Resp: 88728

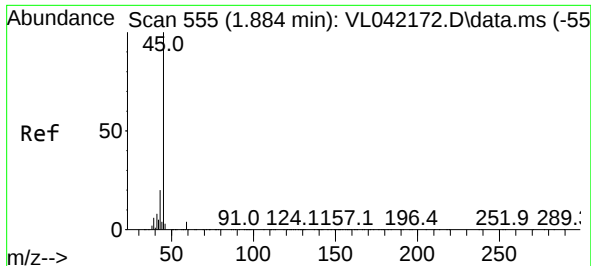
Ion Ratio Lower Upper

96 100

61 203.0 167.6 251.4

98 62.0 53.5 80.3

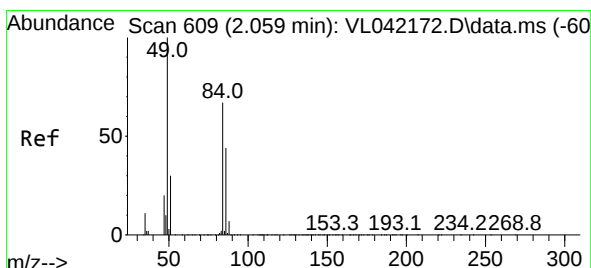
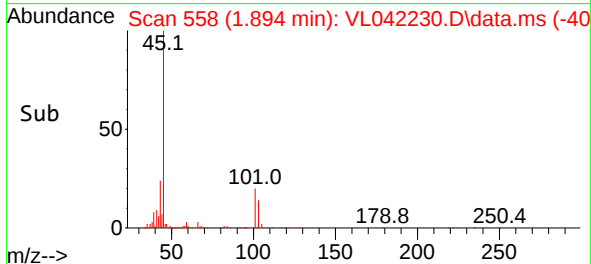
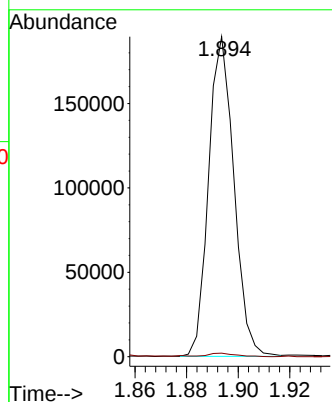
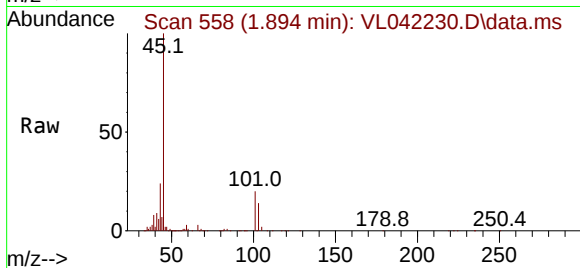




#19
Isopropyl Alcohol
Concen: 8.272 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

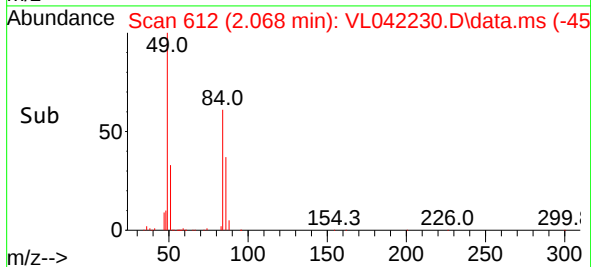
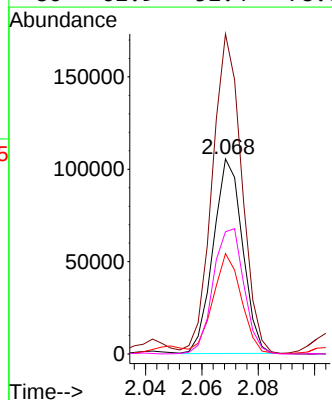
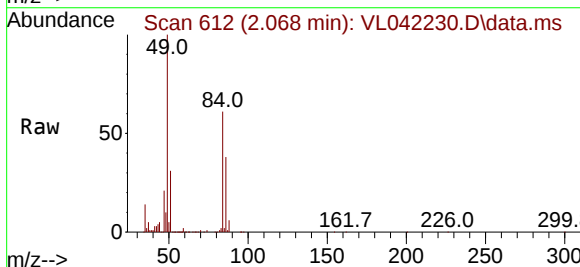
Instrument :
MSVOA_1
ClientSampleId :
VL0407ABS01

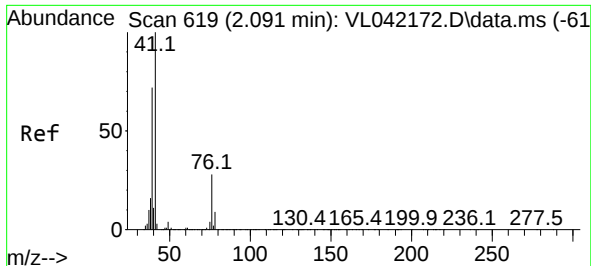
Tgt Ion: 45 Resp: 129131
Ion Ratio Lower Upper
45 100
58 47.5 36.9 55.3



#20
Methylene Chloride
Concen: 7.391 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 84 Resp: 76153
Ion Ratio Lower Upper
84 100
49 164.4 120.2 180.4
51 51.4 37.4 56.0
86 62.9 52.4 78.6

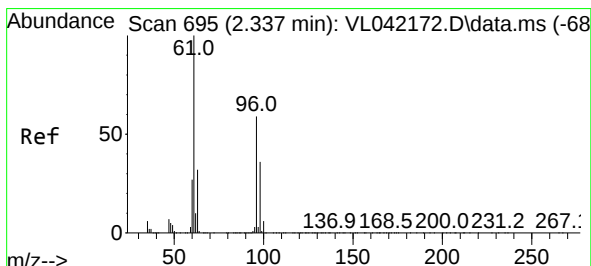
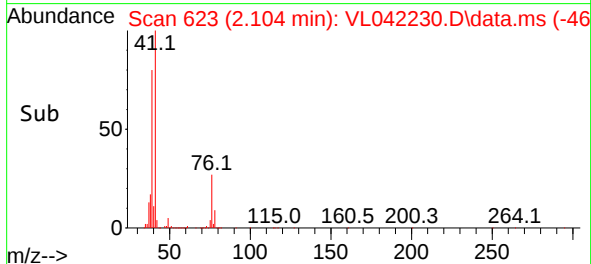
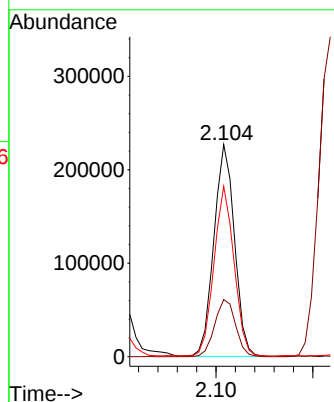
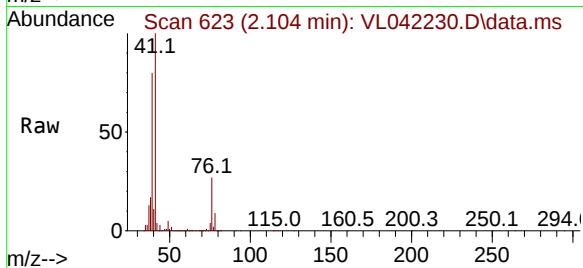




#21
 Allyl Chloride
 Concen: 8.576 ppbv
 RT: 2.104 min Scan# 619
 Delta R.T. 0.013 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

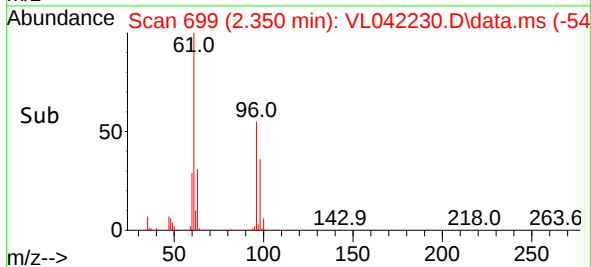
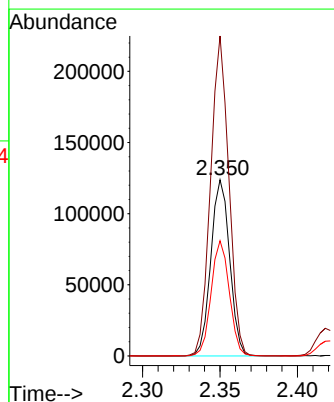
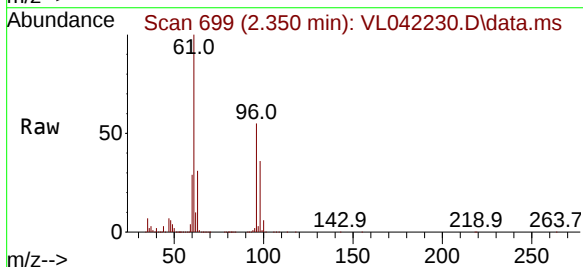
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

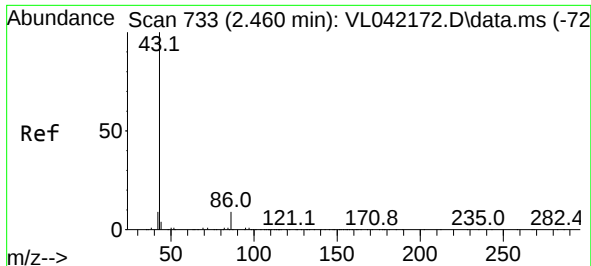
Tgt Ion: 41 Resp: 167334
 Ion Ratio Lower Upper
 41 100
 76 27.4 24.1 36.1
 39 77.4 61.1 91.7



#22
 trans-1,2-Dichloroethene
 Concen: 8.275 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.013 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

Tgt Ion: 96 Resp: 104449
 Ion Ratio Lower Upper
 96 100
 61 181.6 136.6 204.8
 98 65.4 49.4 74.2

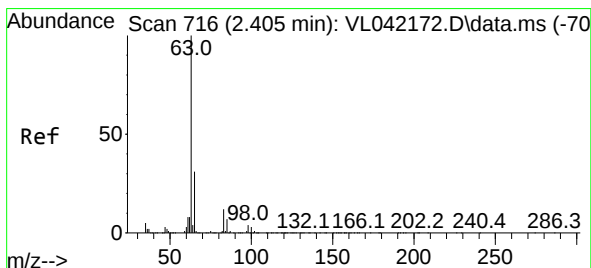
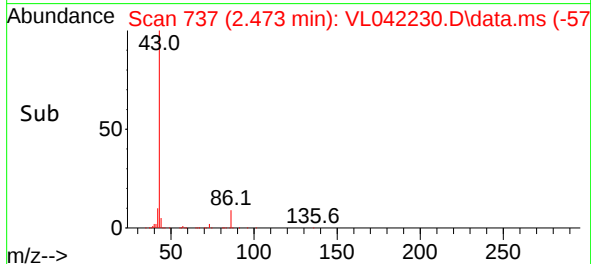
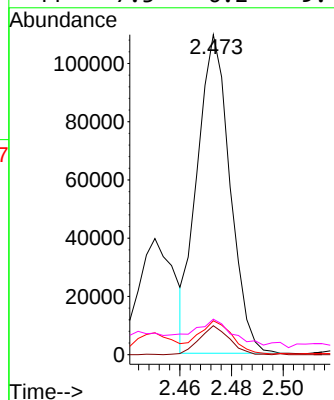
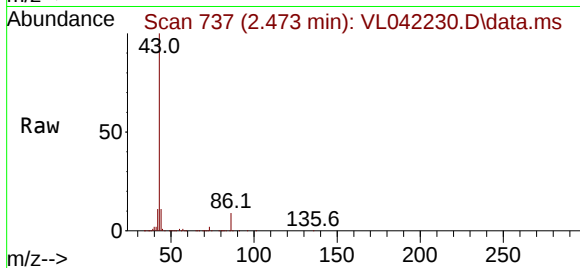




#23
 Vinyl Acetate
 Concen: 8.050 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. 0.013 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

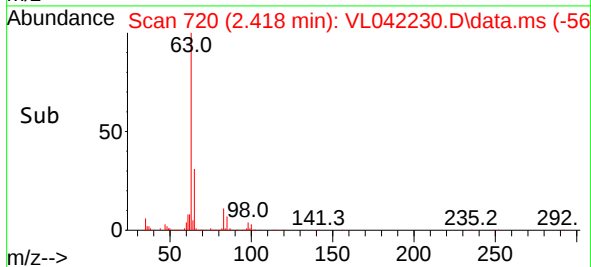
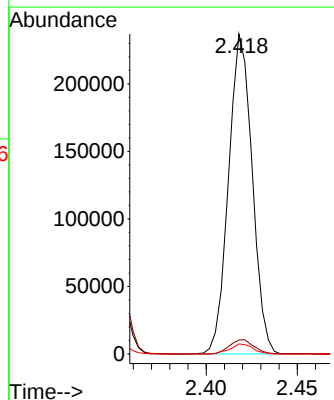
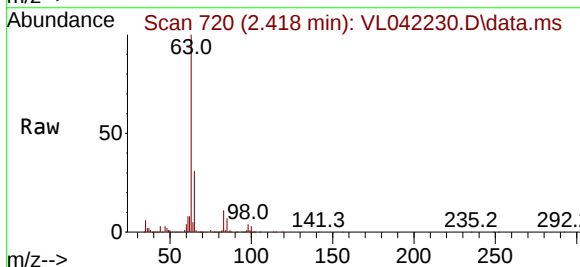
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

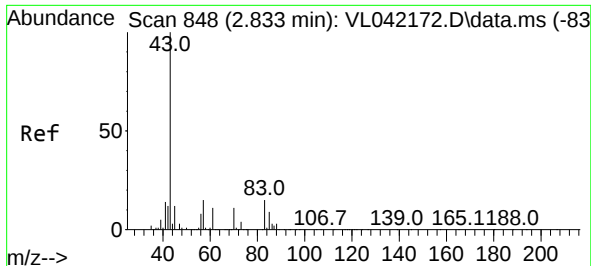
Tgt Ion: 43	Resp: 96391
Ion Ratio	Lower Upper
43 100	
86 8.8	5.5 8.3#
42 10.3	8.6 13.0
44 7.3	6.2 9.4



#24
 1,1-Dichloroethane
 Concen: 9.152 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.013 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

Tgt Ion: 63	Resp: 214121
Ion Ratio	Lower Upper
63 100	
98 4.3	2.3 6.8
100 3.2	1.6 4.7



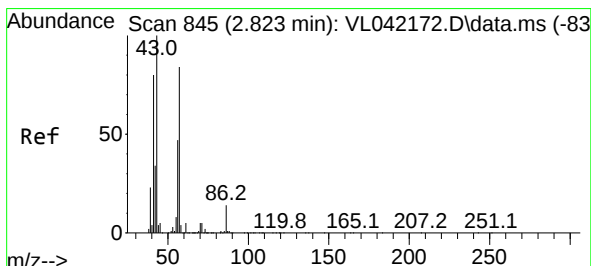
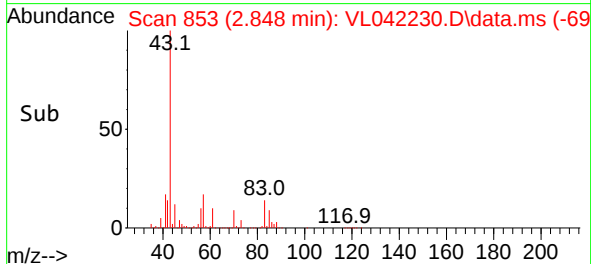
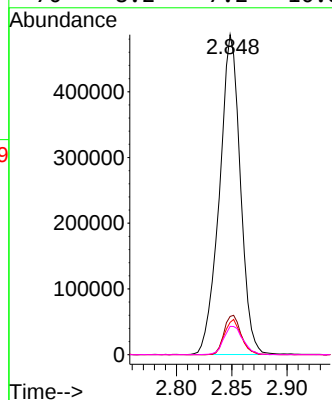
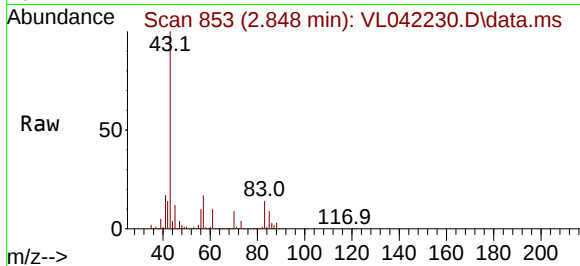


#25
Ethyl Acetate
Concen: 8.902 ppbv
RT: 2.848 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 43 Resp: 639210

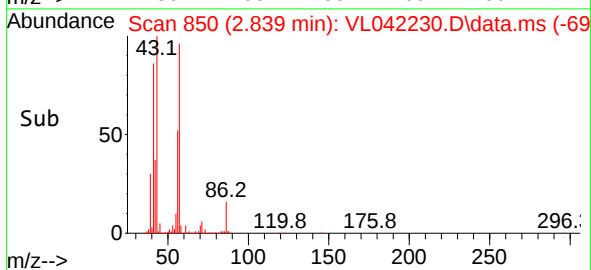
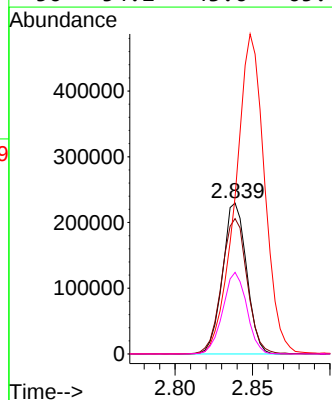
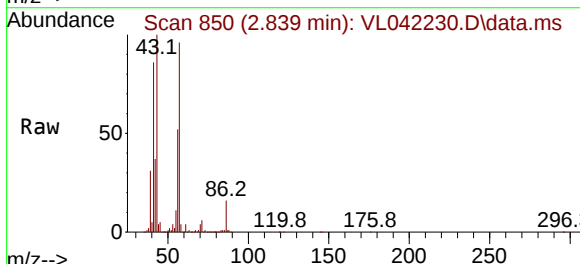
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	8.9	7.3	10.9
70	8.2	7.2	10.8

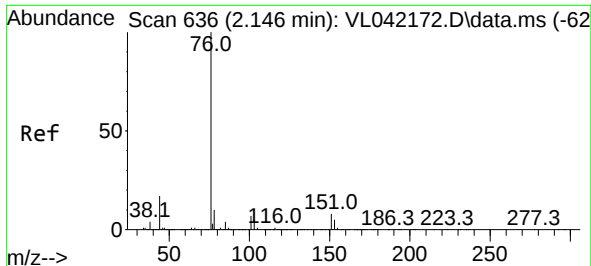


#26
Hexane
Concen: 8.897 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 57 Resp: 246755

Ion	Ratio	Lower	Upper
57	100		
41	96.1	76.6	114.8
43	259.7	207.8	311.8
56	54.2	43.6	65.4

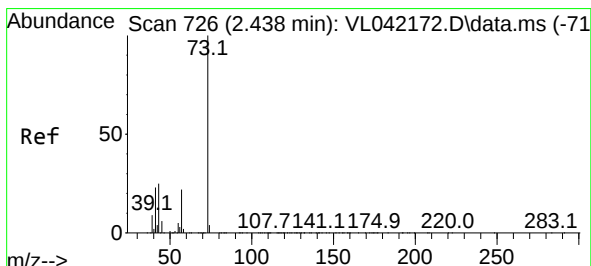
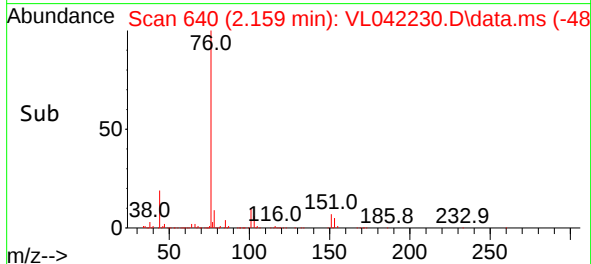
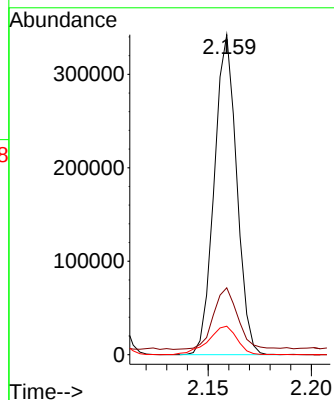
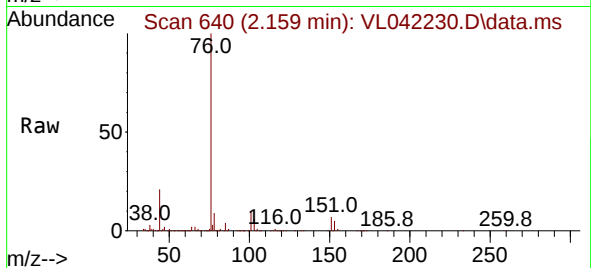




#27
Carbon Disulfide
Concen: 8.689 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

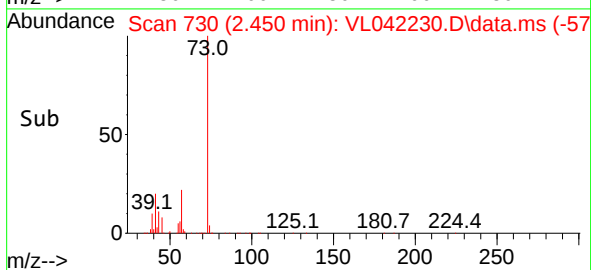
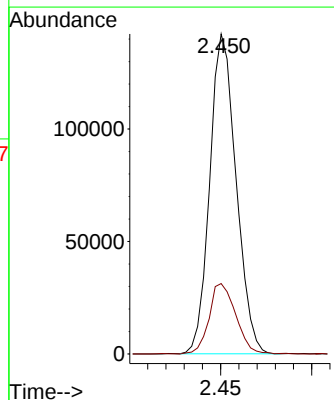
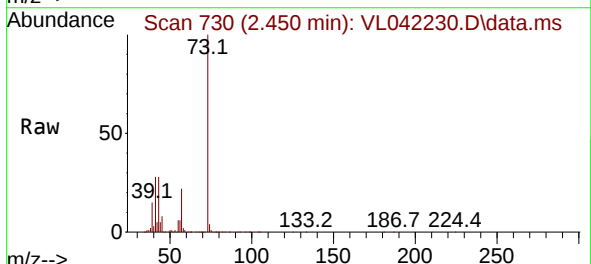
Instrument :
MSVOA_1
ClientSampleId :
VL0407ABS01

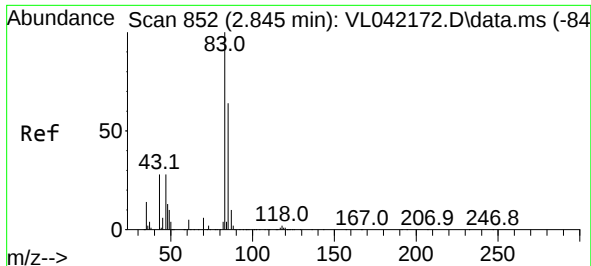
Tgt Ion: 76 Resp: 258412
Ion Ratio Lower Upper
76 100
44 20.9 14.7 22.1
78 11.5 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 8.259 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 73 Resp: 142610
Ion Ratio Lower Upper
73 100
57 22.4 20.5 30.7





#29

Chloroform

Concen: 9.793 ppbv

RT: 2.861 min Scan# 81

Delta R.T. 0.016 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

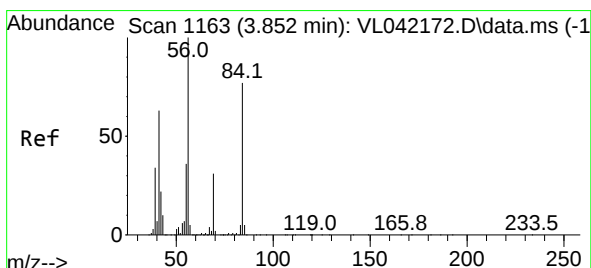
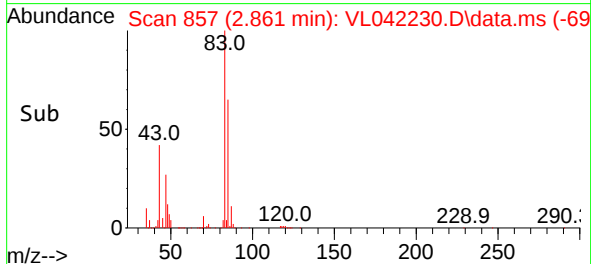
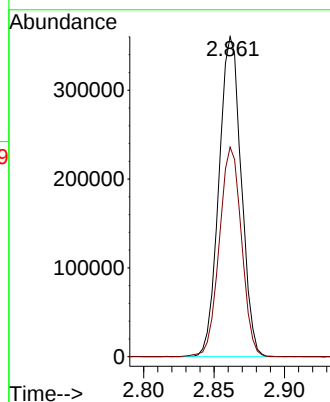
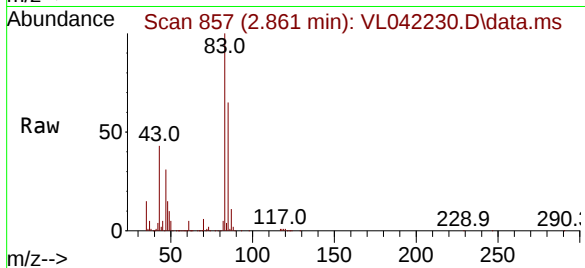
VL0407ABS01

Tgt Ion: 83 Resp: 397517

Ion Ratio Lower Upper

83 100

85 65.4 51.4 77.2



#30

Cyclohexane

Concen: 8.451 ppbv

RT: 3.874 min Scan# 1170

Delta R.T. 0.022 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

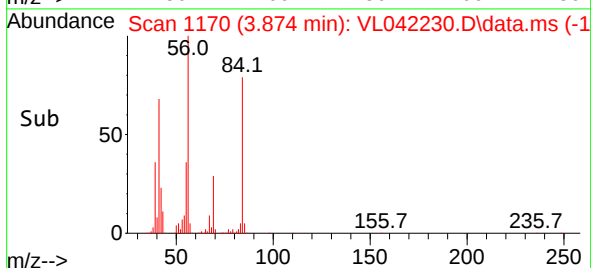
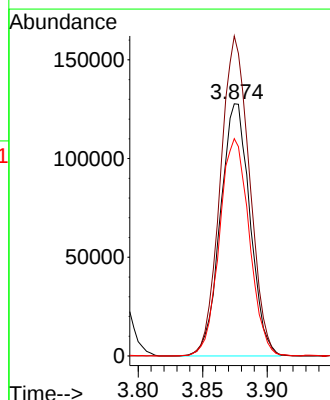
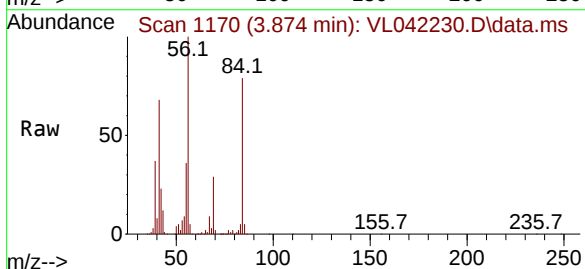
Tgt Ion: 84 Resp: 203521

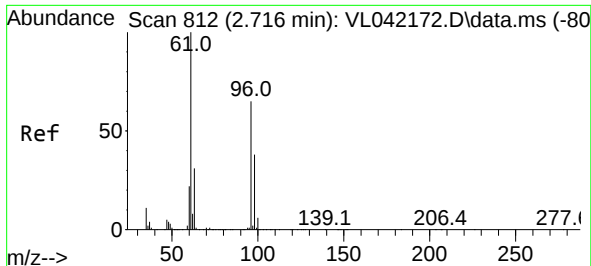
Ion Ratio Lower Upper

84 100

56 125.0 102.8 154.2

41 86.8 66.5 99.7

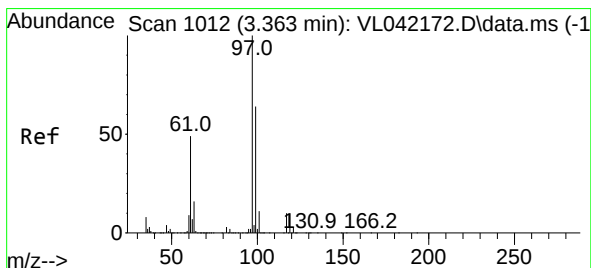
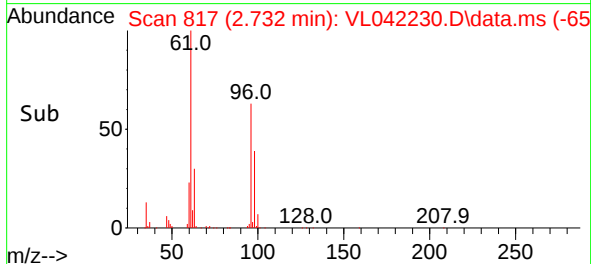
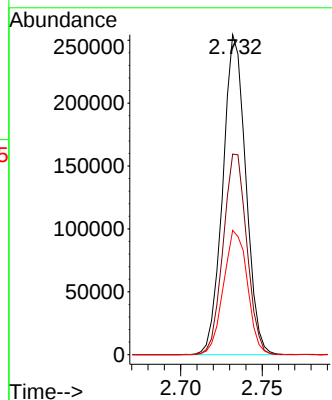
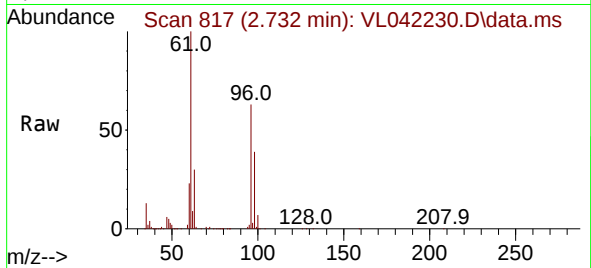




#31
cis-1,2-Dichloroethene
Concen: 8.864 ppbv
RT: 2.732 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

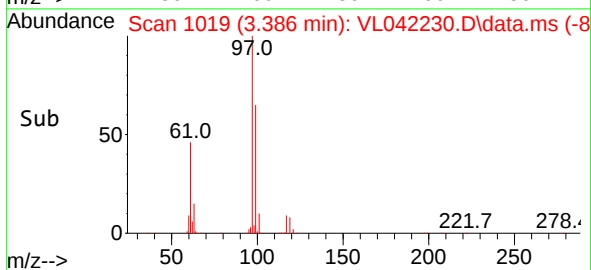
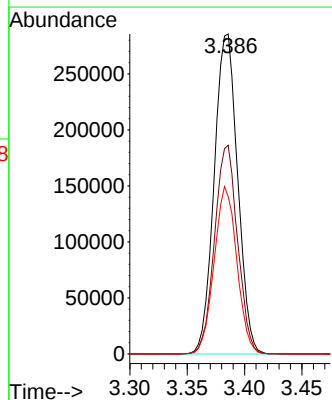
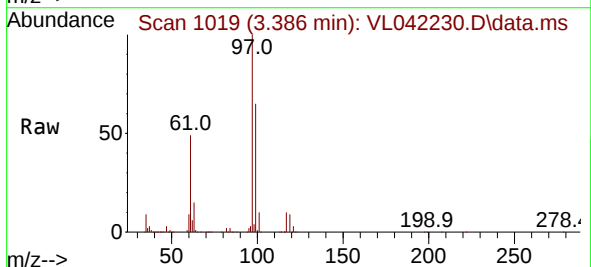
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

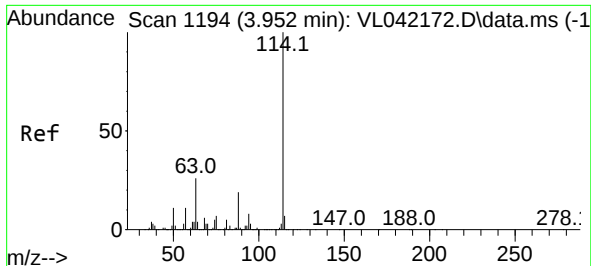
Tgt Ion: 61 Resp: 249591
Ion Ratio Lower Upper
61 100
96 62.7 51.8 77.8
98 38.8 30.6 46.0



#32
1,1,1-Trichloroethane
Concen: 8.739 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 97 Resp: 406124
Ion Ratio Lower Upper
97 100
99 64.0 51.5 77.3
61 50.7 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 11

Delta R.T. 0.026 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_1

ClientSampleId :

VL0407ABS01

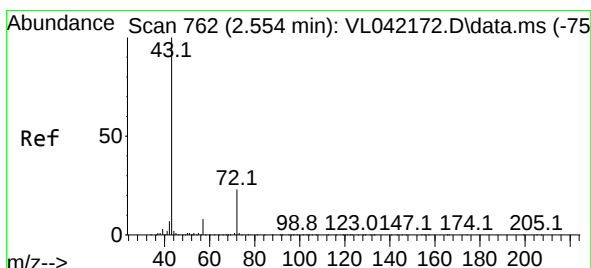
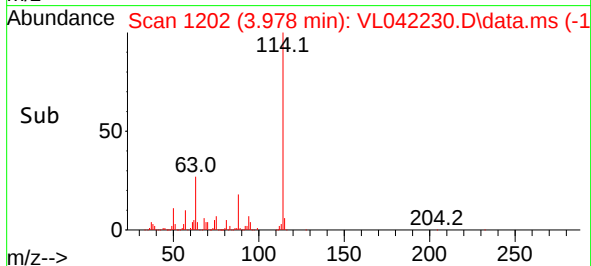
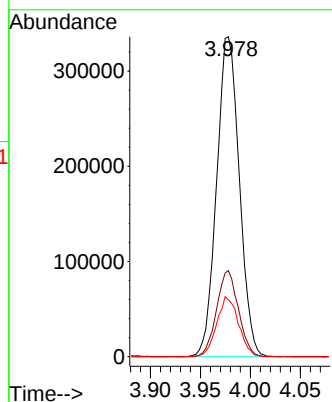
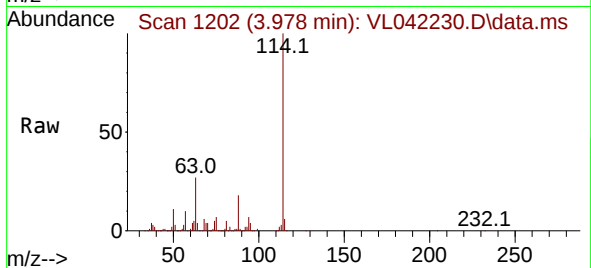
Tgt Ion:114 Resp: 531347

Ion Ratio Lower Upper

114 100

63 25.9 20.7 31.1

88 18.0 15.0 22.4



#34

2-Butanone

Concen: 9.420 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.016 min

Lab File: VL042230.D

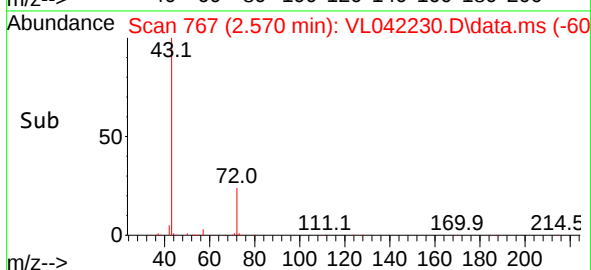
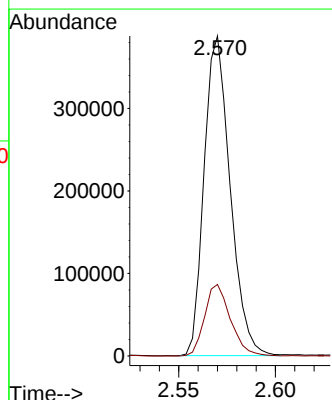
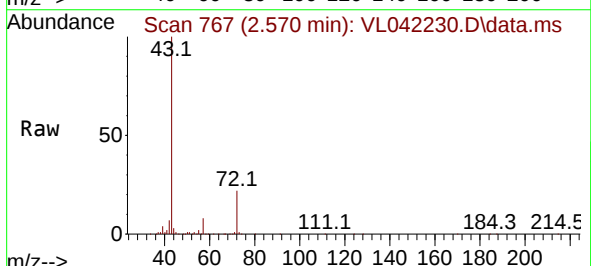
Acq: 07 Apr 2025 11:09

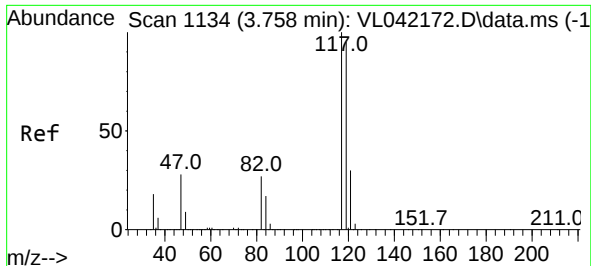
Tgt Ion: 43 Resp: 362939

Ion Ratio Lower Upper

43 100

72 22.3 18.2 27.2

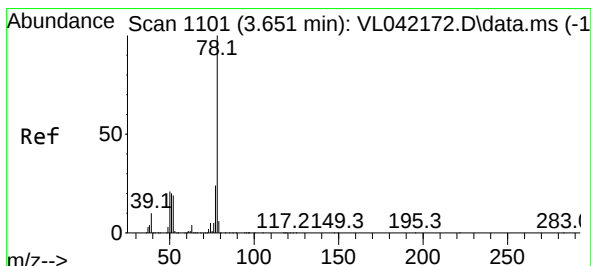
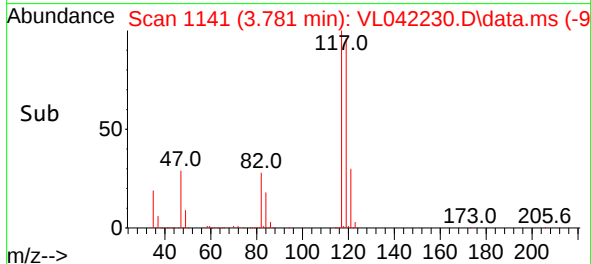
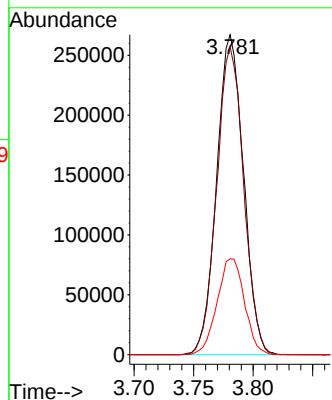
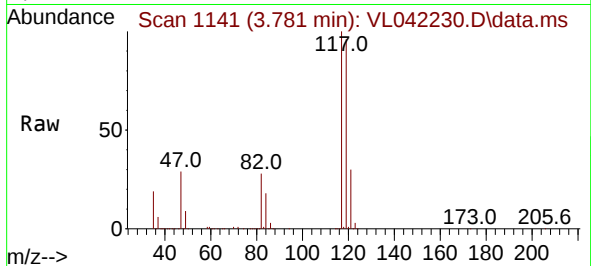




#35
Carbon Tetrachloride
Concen: 10.079 ppbv
RT: 3.781 min Scan# 1141
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

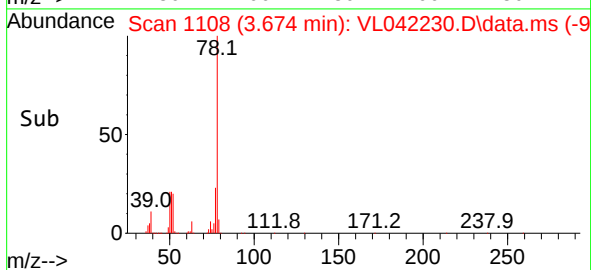
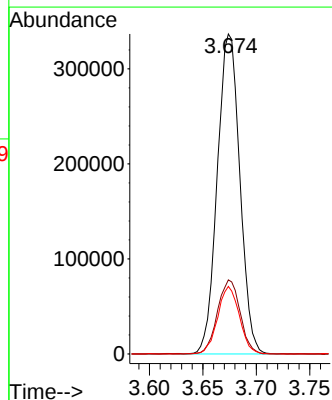
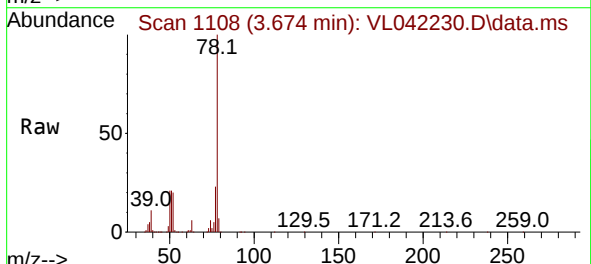
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

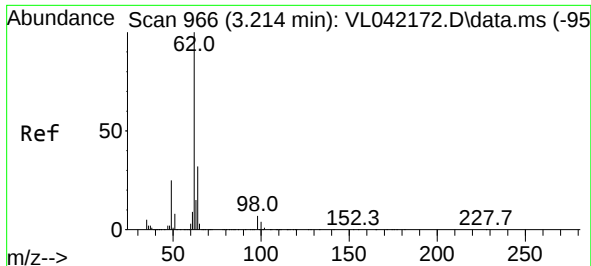
Tgt Ion:117 Resp: 418362
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.2
121 29.9 24.2 36.4



#36
Benzene
Concen: 9.382 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 78 Resp: 494216
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7
50 21.1 16.6 24.8





#37

1,2-Dichloroethane

Concen: 10.424 ppbv

RT: 3.234 min Scan# 91

Delta R.T. 0.019 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

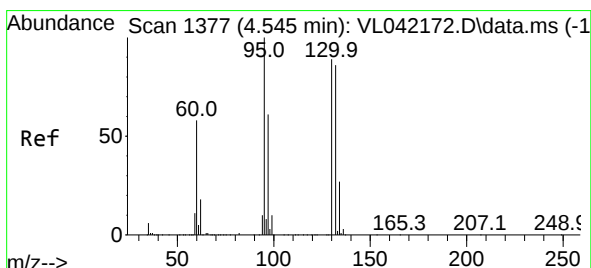
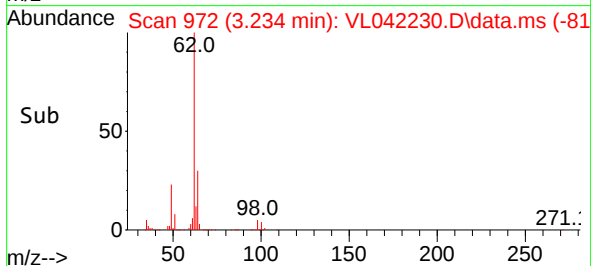
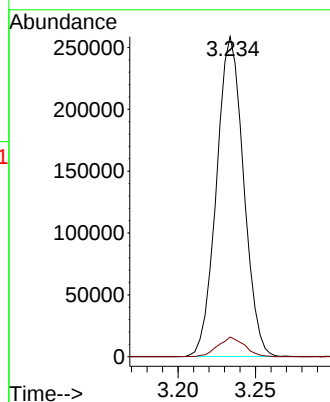
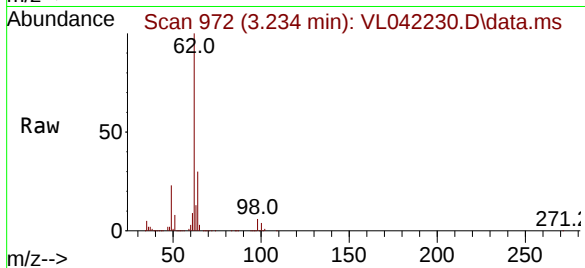
VL0407ABS01

Tgt Ion: 62 Resp: 314377

Ion Ratio Lower Upper

62 100

98 6.0 5.4 8.2



#38

Trichloroethene

Concen: 9.217 ppbv

RT: 4.570 min Scan# 1385

Delta R.T. 0.026 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Tgt Ion:130 Resp: 202575

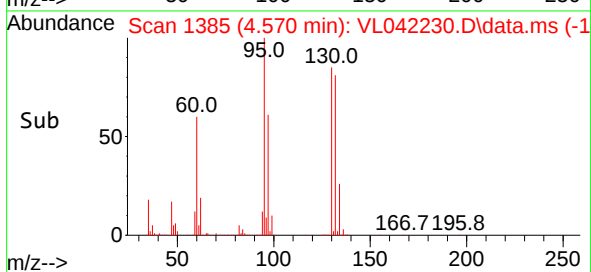
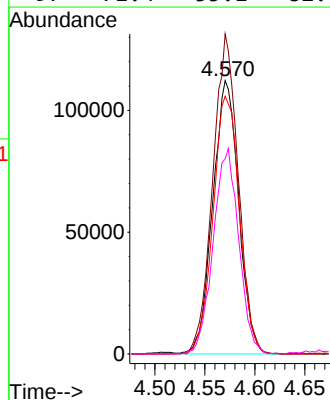
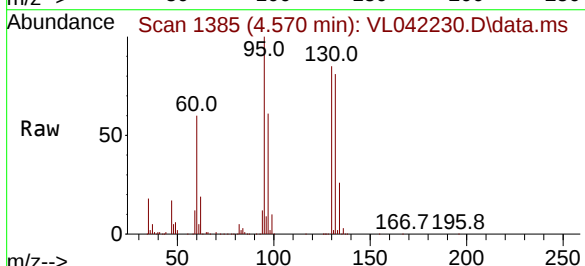
Ion Ratio Lower Upper

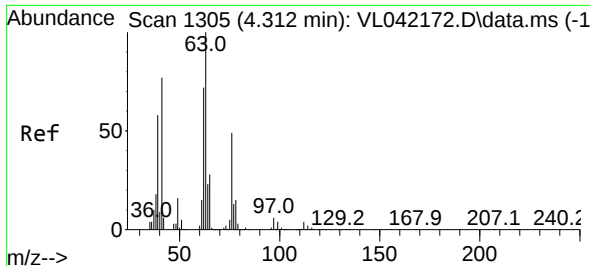
130 100

95 117.1 89.8 134.8

132 94.3 77.4 116.2

97 71.4 55.1 82.7





#39

1,2-Dichloropropane

Concen: 9.356 ppbv

RT: 4.334 min Scan# 11

Delta R.T. 0.022 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

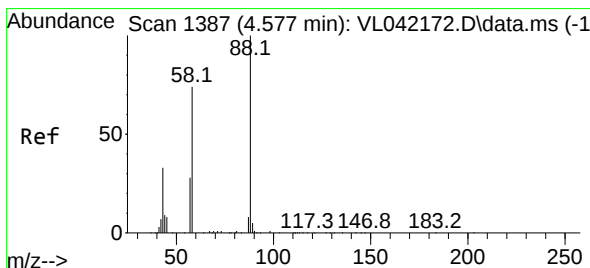
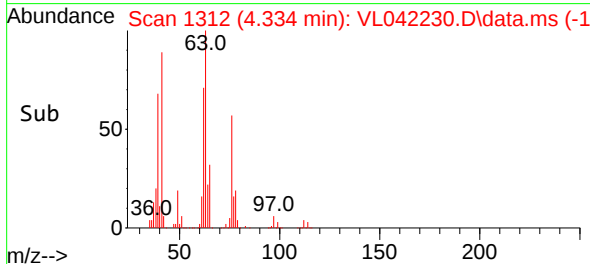
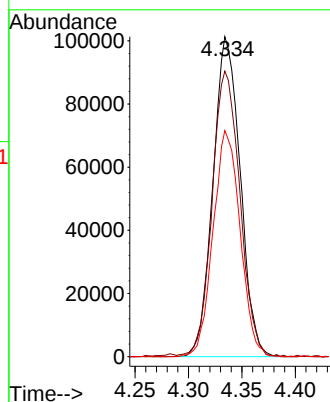
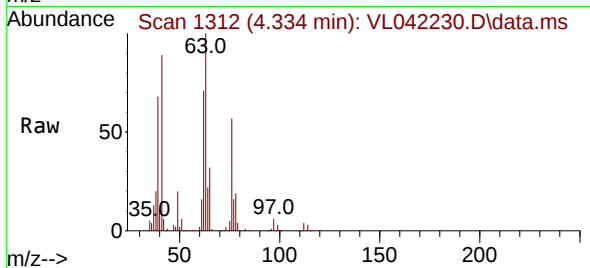
Tgt Ion: 63 Resp: 179485

Ion Ratio Lower Upper

63 100

41 89.1 61.7 92.5

62 70.5 57.6 86.4



#40

1,4-Dioxane

Concen: 8.358 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.029 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Tgt Ion: 88 Resp: 85103

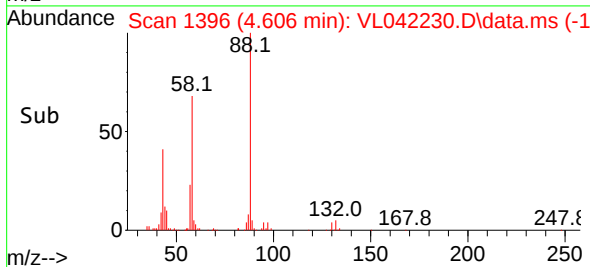
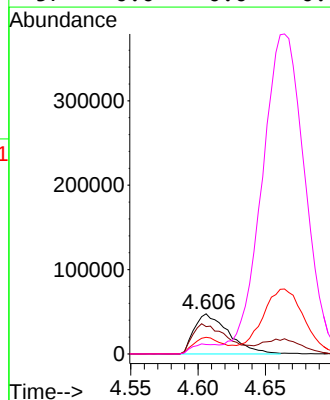
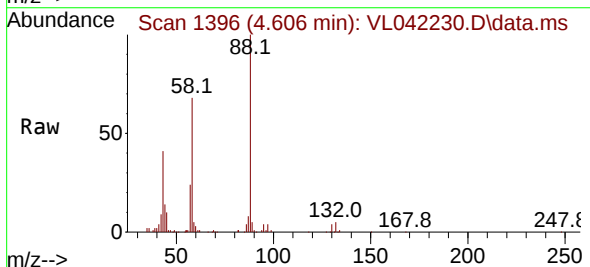
Ion Ratio Lower Upper

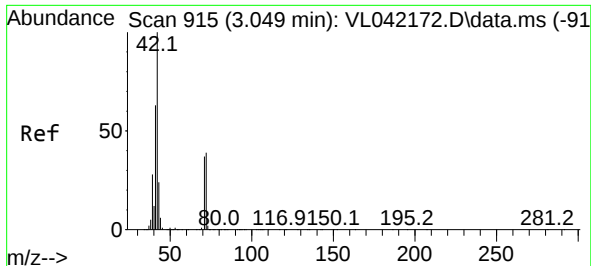
88 100

58 75.6 62.7 94.1

43 37.4 23.0 34.4#

57 0.0 0.0 0.0

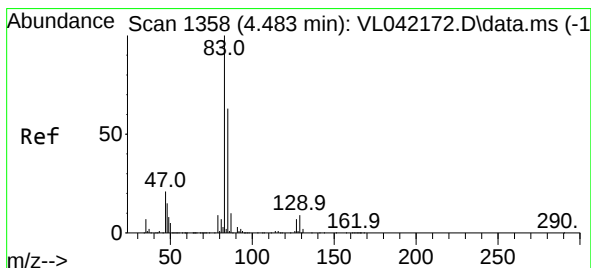
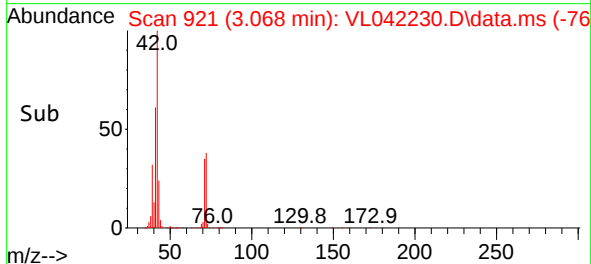
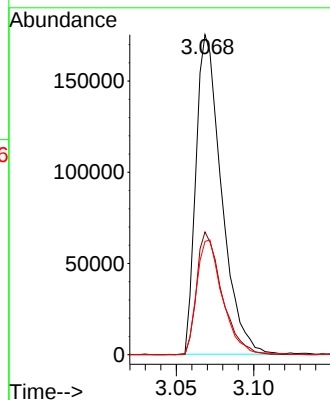
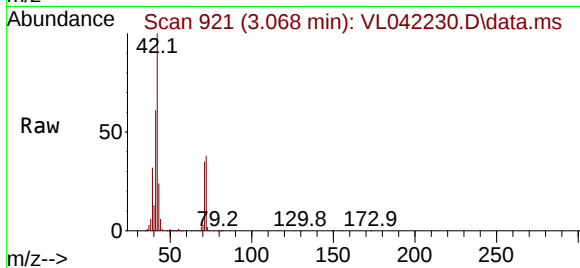




#41
Tetrahydrofuran
Concen: 9.071 ppbv
RT: 3.068 min Scan# 915
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

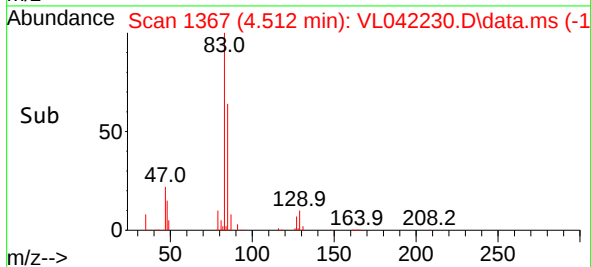
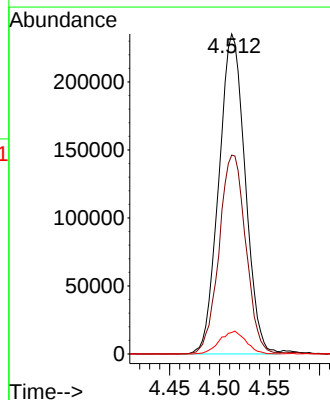
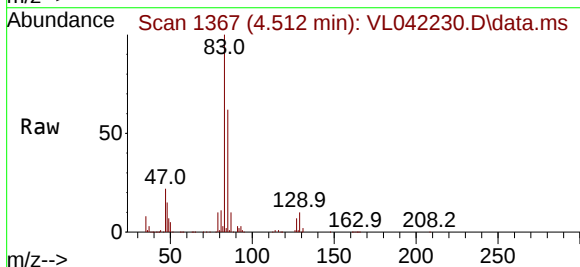
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

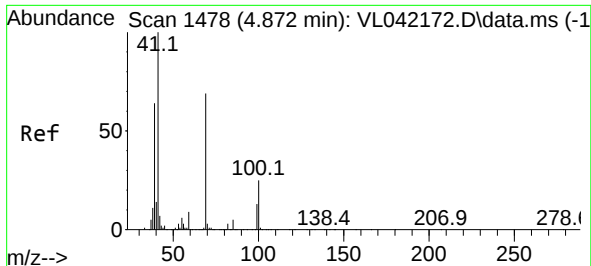
Tgt Ion: 42 Resp: 201260
Ion Ratio Lower Upper
42 100
72 37.8 31.4 47.0
71 36.3 30.2 45.4



#42
Bromodichloromethane
Concen: 10.361 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 83 Resp: 430763
Ion Ratio Lower Upper
83 100
85 62.1 50.5 75.7
127 6.7 5.9 8.9

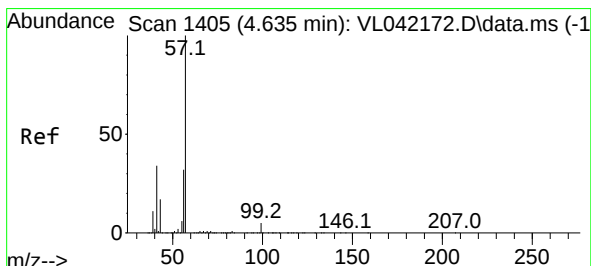
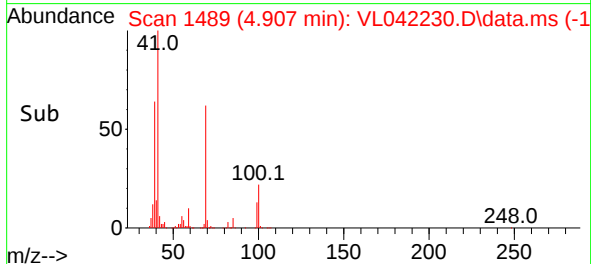
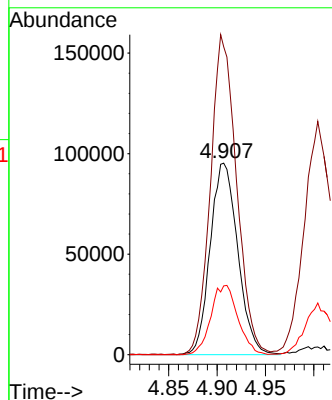
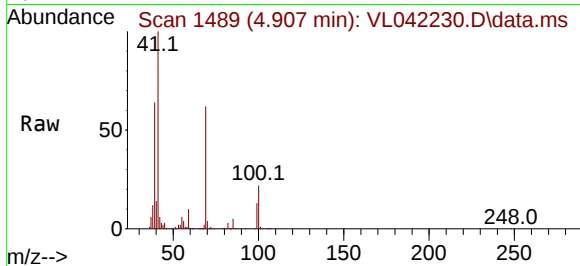




#43
Methyl Methacrylate
Concen: 8.470 ppbv
RT: 4.907 min Scan# 1414
Delta R.T. 0.035 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

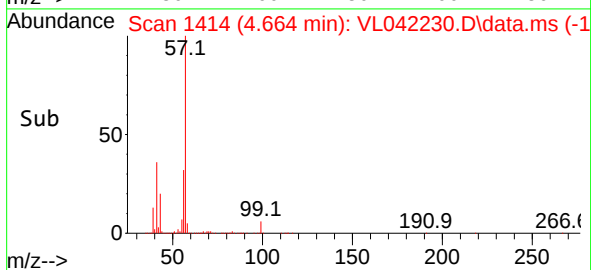
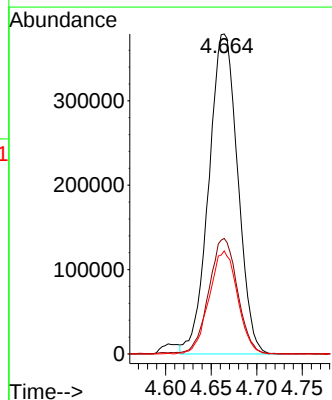
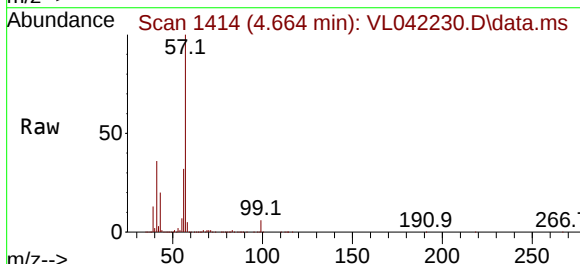
Instrument :
MSVOA_1
ClientSampleId :
VL0407ABS01

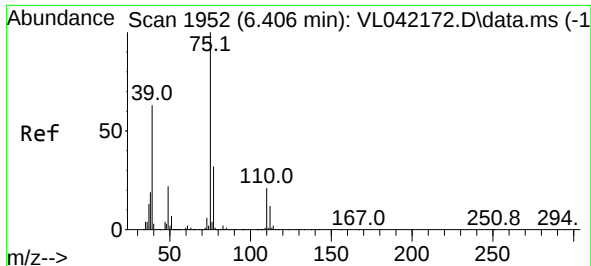
Tgt Ion: 69 Resp: 188872
Ion Ratio Lower Upper
69 100
41 158.5 123.8 185.6
100 35.6 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 9.414 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 57 Resp: 838005
Ion Ratio Lower Upper
57 100
41 36.2 26.8 40.2
56 31.7 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 8.130 ppbv

RT: 6.444 min Scan# 1952

Delta R.T. 0.039 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

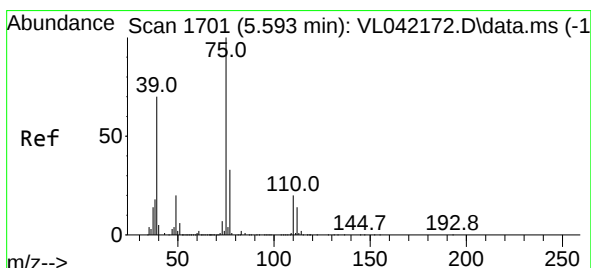
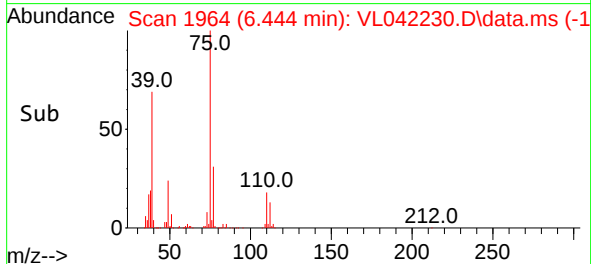
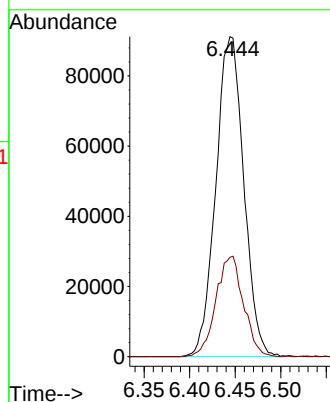
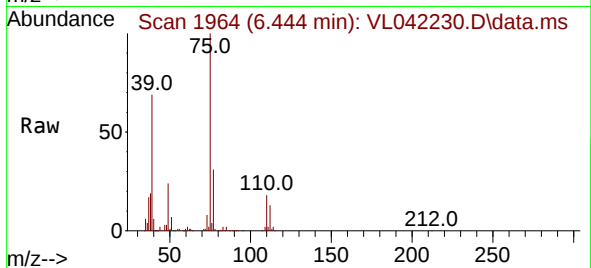
VL0407ABS01

Tgt Ion: 75 Resp: 194507

Ion Ratio Lower Upper

75 100

77 31.1 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 8.601 ppbv

RT: 5.632 min Scan# 1713

Delta R.T. 0.039 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

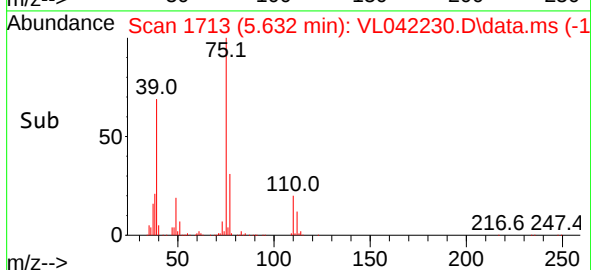
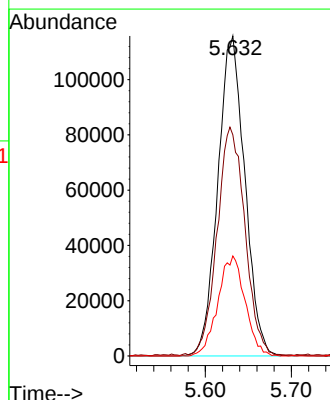
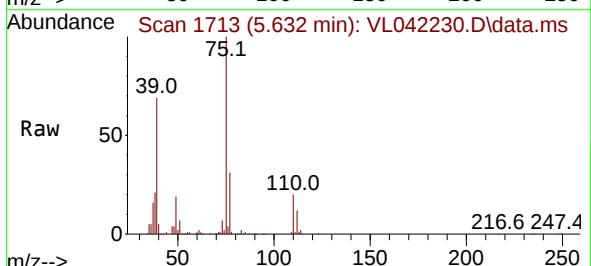
Tgt Ion: 75 Resp: 252229

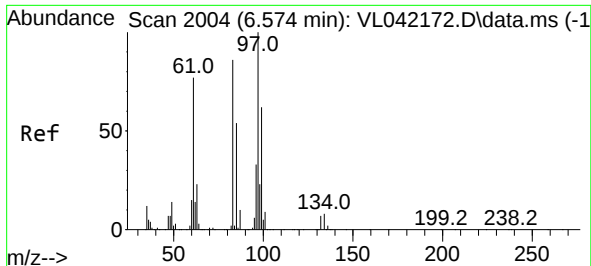
Ion Ratio Lower Upper

75 100

39 69.0 55.8 83.6

77 31.3 26.0 39.0

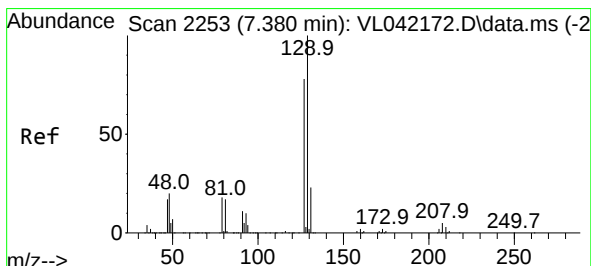
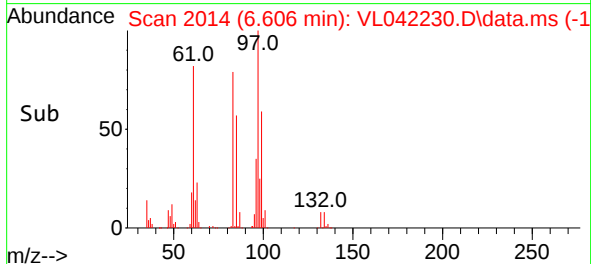
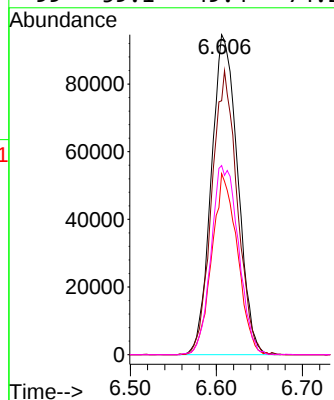
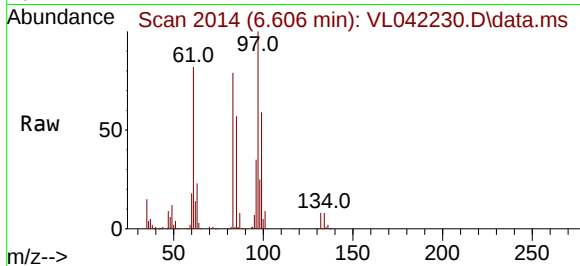




#47
1,1,2-Trichloroethane
Concen: 9.959 ppbv
RT: 6.606 min Scan# 2014
Delta R.T. 0.032 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

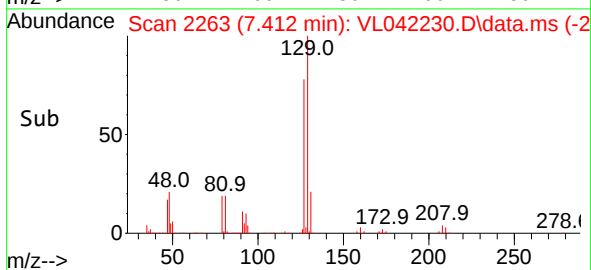
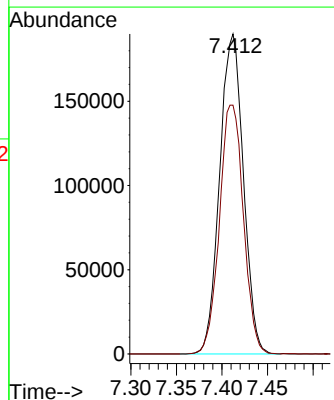
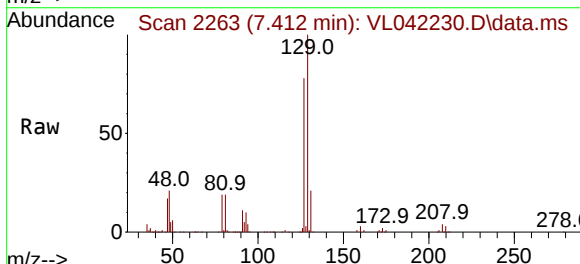
Instrument :
MSVOA_1
ClientSampleId :
VL0407ABS01

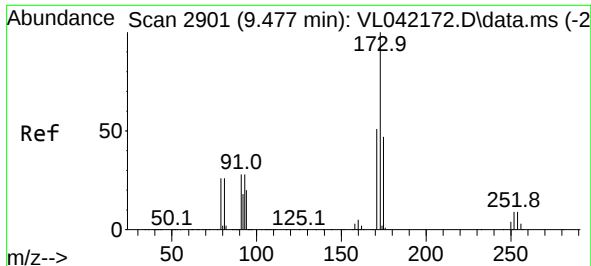
Tgt Ion: 97 Resp: 201960
Ion Ratio Lower Upper
97 100
83 79.2 69.2 103.8
85 56.5 43.1 64.7
99 59.1 49.4 74.2



#48
Dibromochloromethane
Concen: 10.007 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.032 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 129 Resp: 343914
Ion Ratio Lower Upper
129 100
127 78.6 39.1 117.2

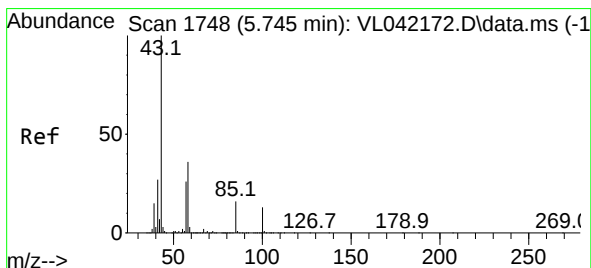
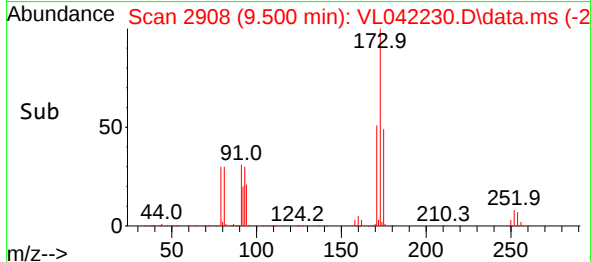
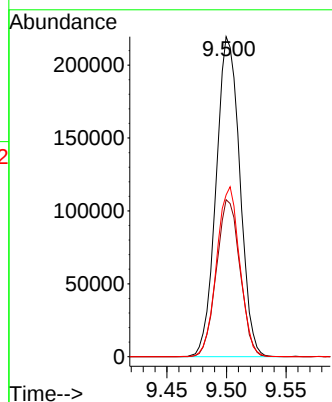
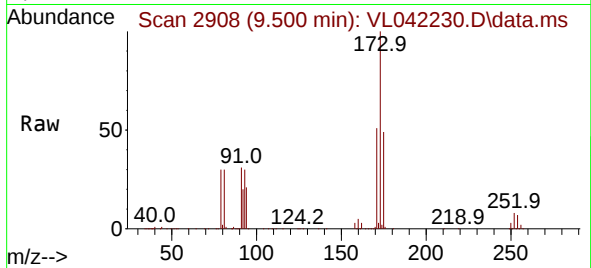




#49
Bromoform
Concen: 9.817 ppbv
RT: 9.500 min Scan# 2901
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

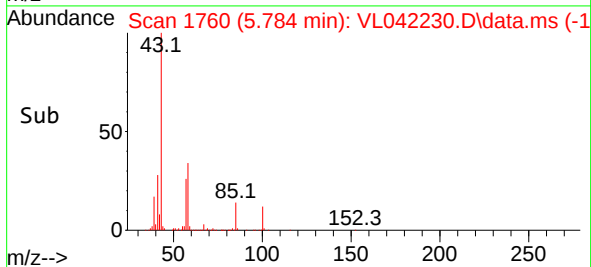
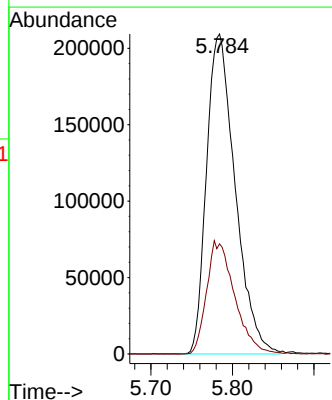
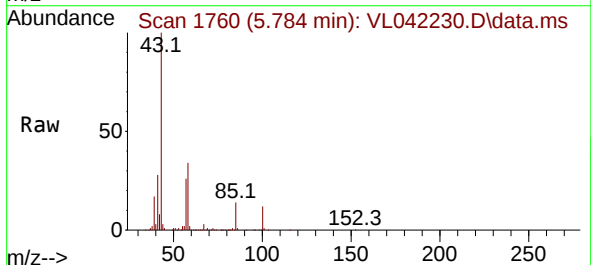
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

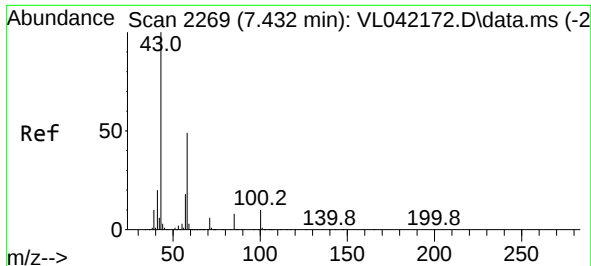
Tgt Ion:173 Resp: 302914
Ion Ratio Lower Upper
173 100
175 48.8 38.6 57.8
171 52.0 41.8 62.6



#50
4-Methyl-2-Pentanone
Concen: 8.368 ppbv
RT: 5.784 min Scan# 1760
Delta R.T. 0.039 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 43 Resp: 510960
Ion Ratio Lower Upper
43 100
58 34.6 29.0 43.6

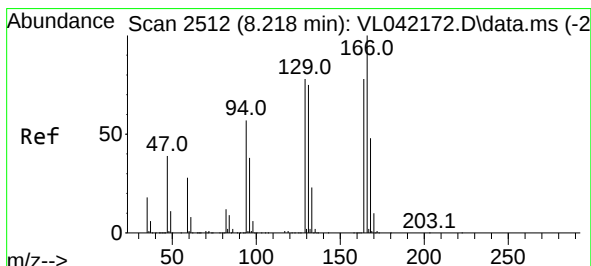
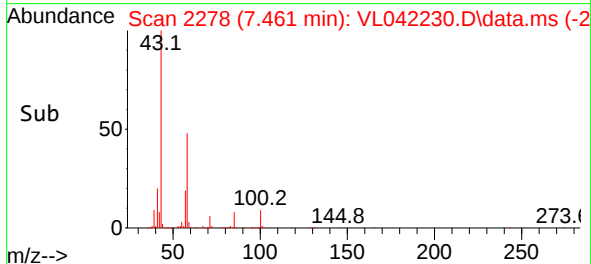
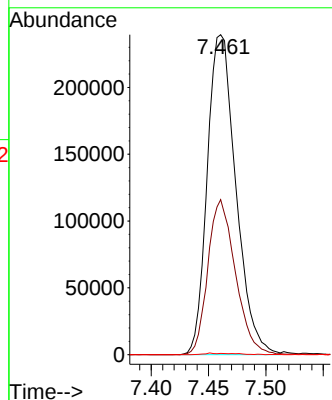
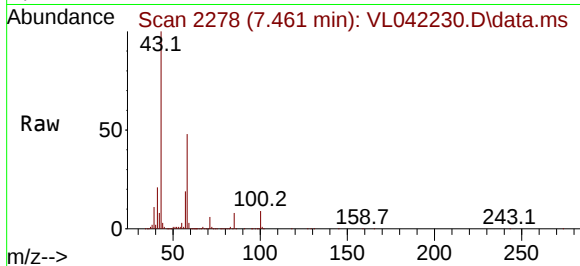




#51
2-Hexanone
Concen: 8.294 ppbv
RT: 7.461 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

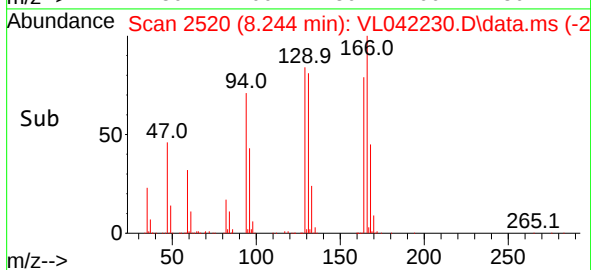
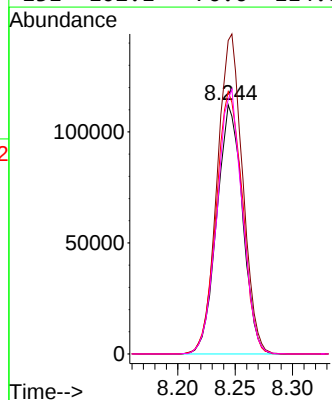
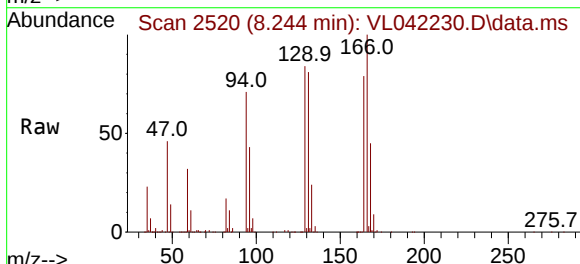
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

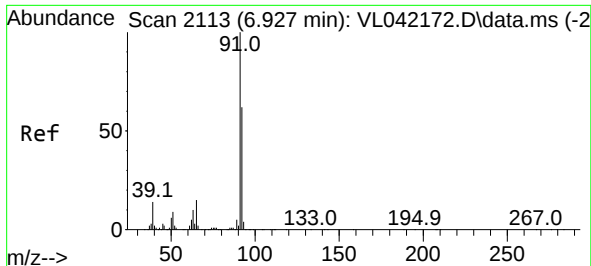
Tgt Ion: 43 Resp: 415858
Ion Ratio Lower Upper
43 100
58 46.8 39.7 59.5
98 0.6 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.359 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 164 Resp: 174622
Ion Ratio Lower Upper
164 100
166 125.9 102.5 153.7
129 105.3 79.8 119.8
131 102.1 76.6 114.8

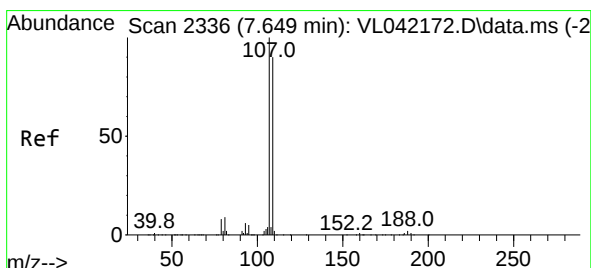
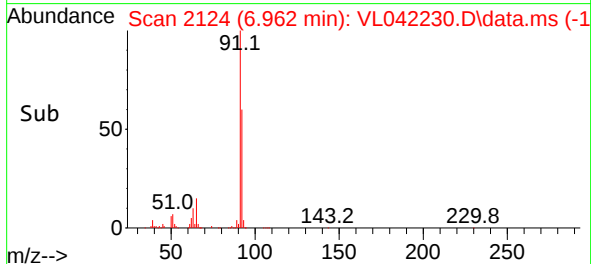
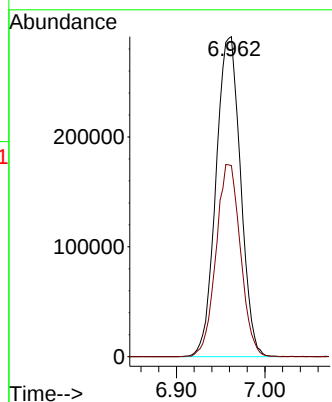
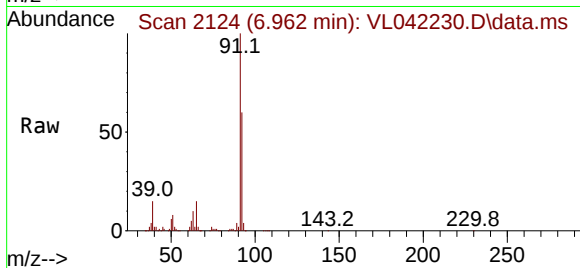




#53
Toluene
Concen: 9.007 ppbv
RT: 6.962 min Scan# 2113
Delta R.T. 0.035 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

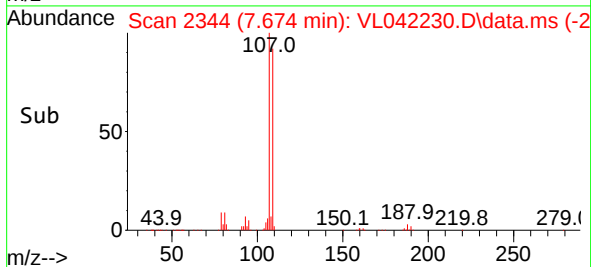
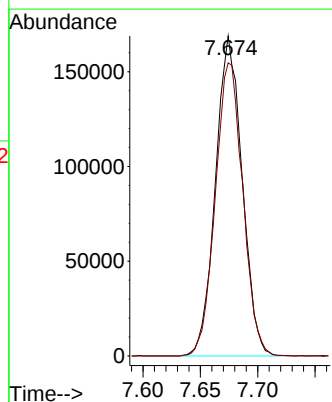
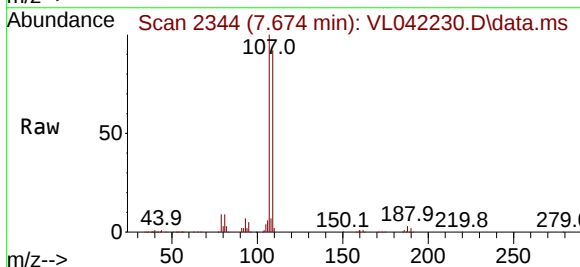
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

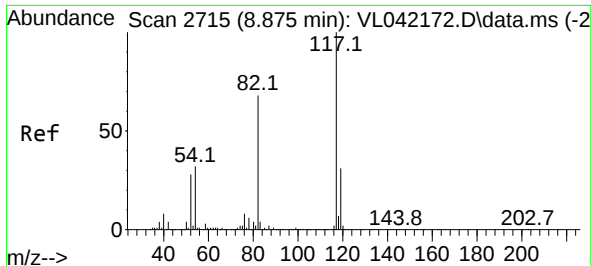
Tgt Ion: 91 Resp: 562424
Ion Ratio Lower Upper
91 100
92 59.9 48.4 72.6



#54
1,2-Dibromoethane
Concen: 9.646 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 107 Resp: 272683
Ion Ratio Lower Upper
107 100
109 91.6 72.2 108.4

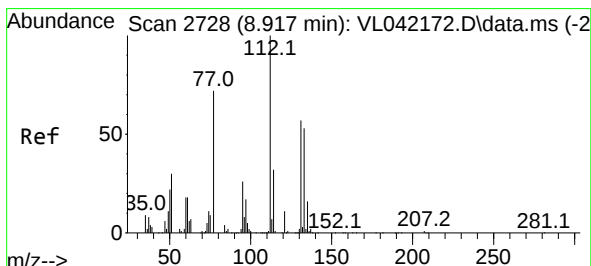
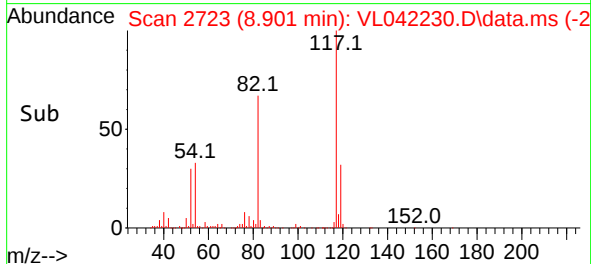
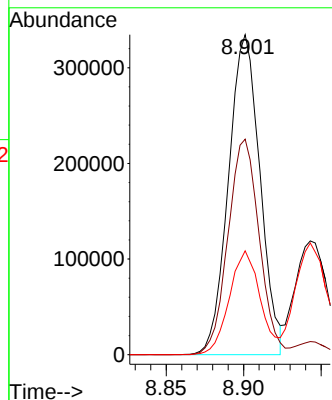
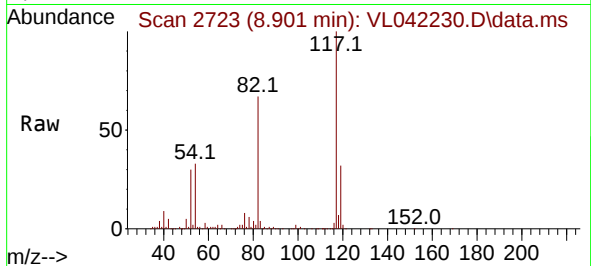




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

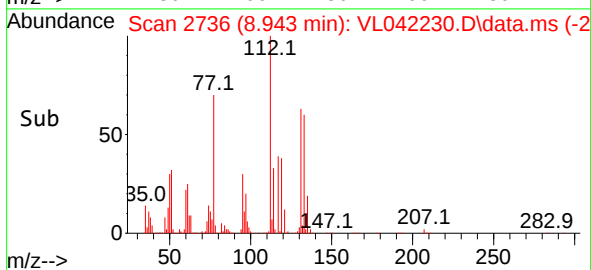
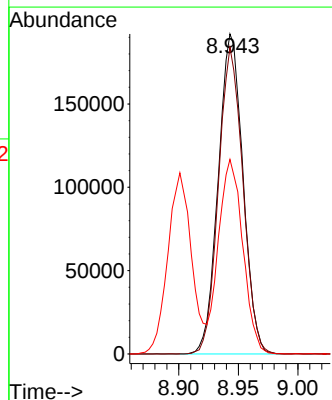
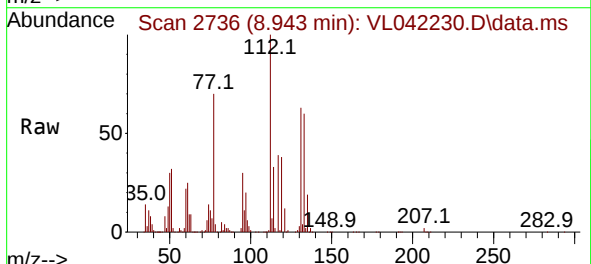
Instrument :
MSVOA_1
ClientSampleId :
VL0407ABS01

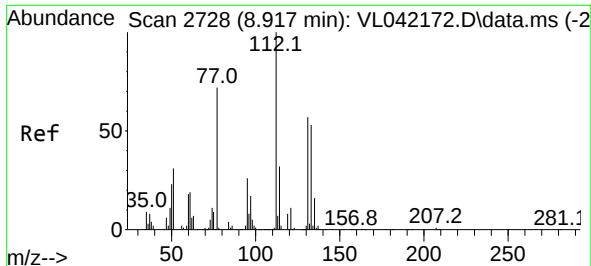
Tgt Ion:117 Resp: 473981
Ion Ratio Lower Upper
117 100
82 70.8 55.8 83.6
119 32.2 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 10.608 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:131 Resp: 276768
Ion Ratio Lower Upper
131 100
133 94.4 76.6 114.8
119 62.0 49.8 74.6

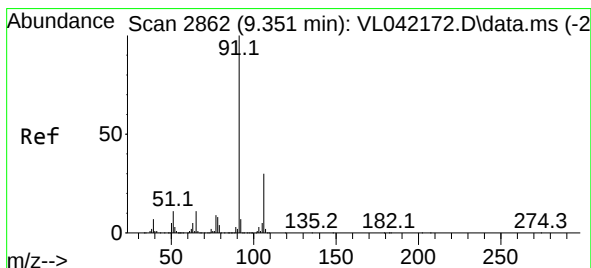
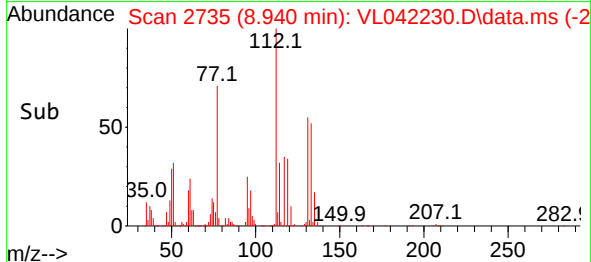
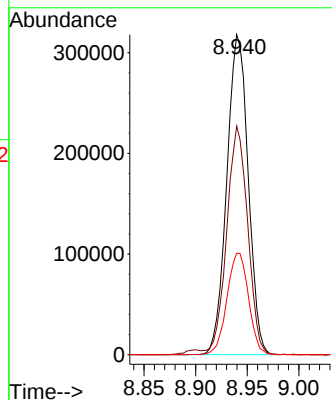
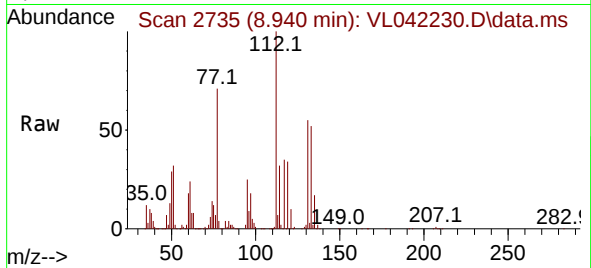




#57
Chlorobenzene
Concen: 10.204 ppbv
RT: 8.940 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

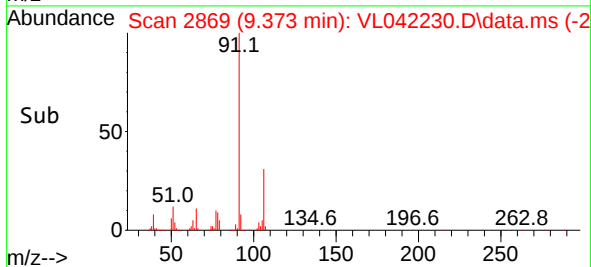
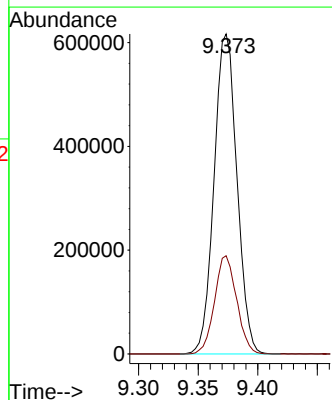
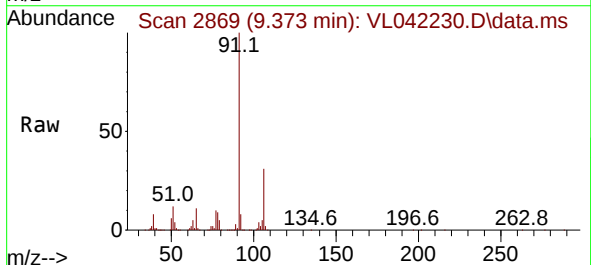
Instrument :
MSVOA_1
ClientSampleId :
VL0407ABS01

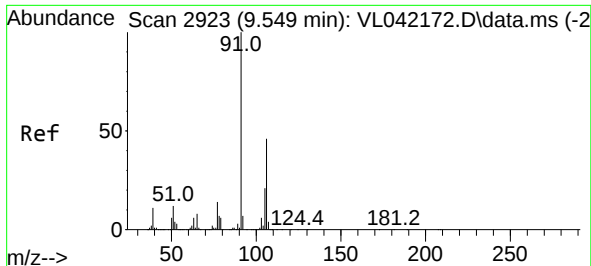
Tgt Ion:112 Resp: 458748
Ion Ratio Lower Upper
112 100
77 71.4 58.2 87.2
114 31.7 29.1 35.5



#58
Ethyl Benzene
Concen: 9.754 ppbv
RT: 9.373 min Scan# 2869
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 821248
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2





#59

m/p-Xylene

Concen: 8.837 ppbv

RT: 9.568 min Scan# 2923

Delta R.T. 0.019 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

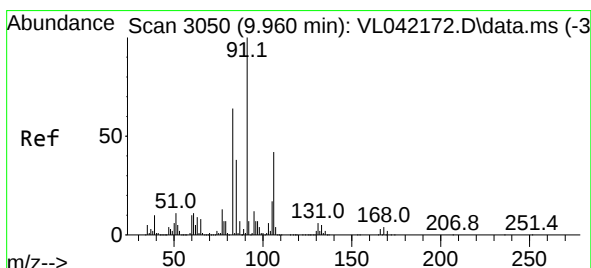
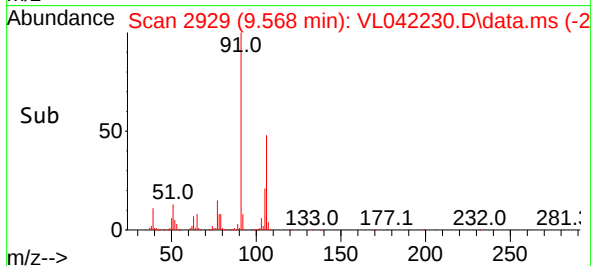
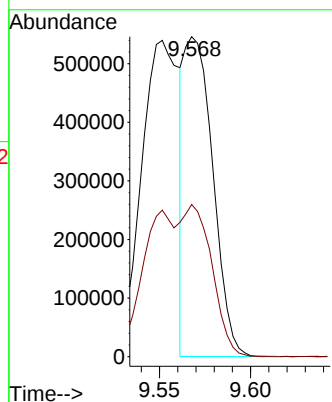
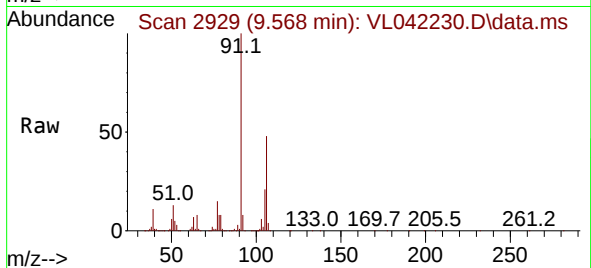
VL0407ABS01

Tgt Ion: 91 Resp: 594110

Ion Ratio Lower Upper

91 100

106 105.5 36.4 54.6#



#60

o-Xylene

Concen: 10.160 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. 0.022 min

Lab File: VL042230.D

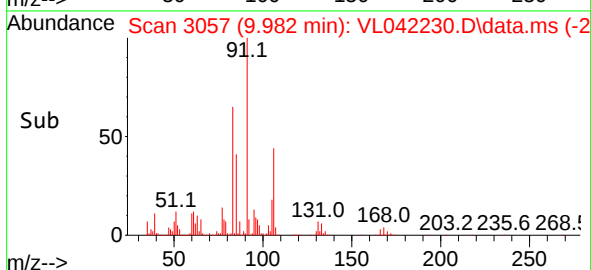
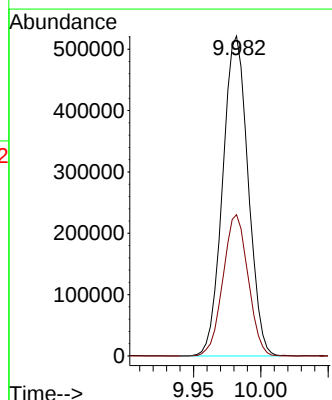
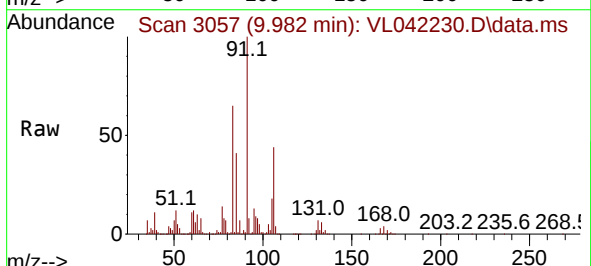
Acq: 07 Apr 2025 11:09

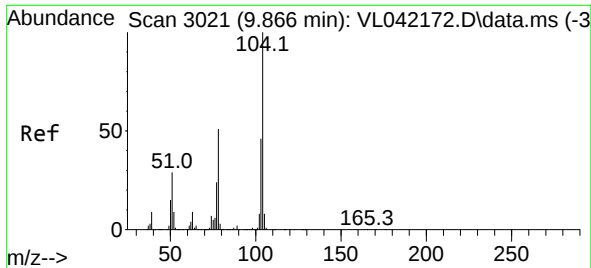
Tgt Ion: 91 Resp: 684704

Ion Ratio Lower Upper

91 100

106 43.6 20.8 62.5





#61

Styrene

Concen: 9.564 ppbv

RT: 9.888 min Scan# 3021

Delta R.T. 0.022 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

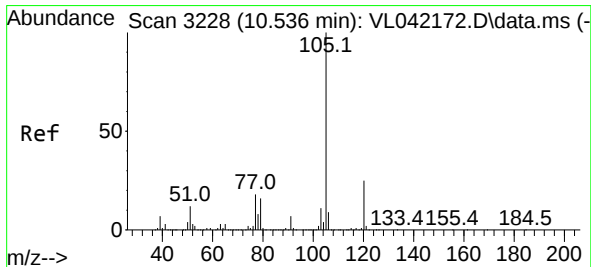
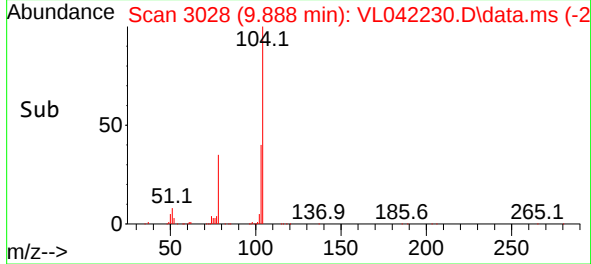
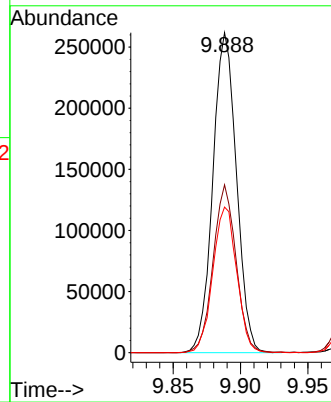
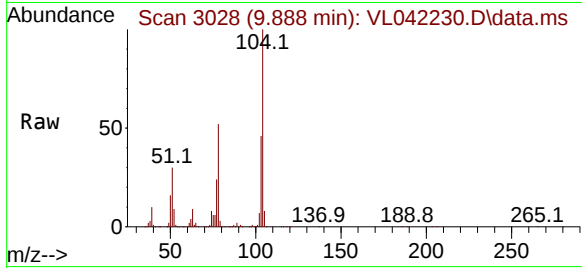
Tgt Ion:104 Resp: 318889

Ion Ratio Lower Upper

104 100

78 51.1 41.8 62.6

103 46.2 37.0 55.4



#62

Isopropylbenzene

Concen: 10.274 ppbv

RT: 10.555 min Scan# 3234

Delta R.T. 0.019 min

Lab File: VL042230.D

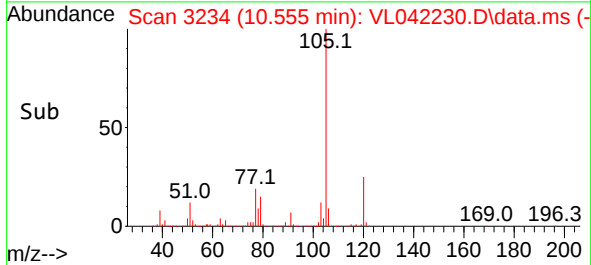
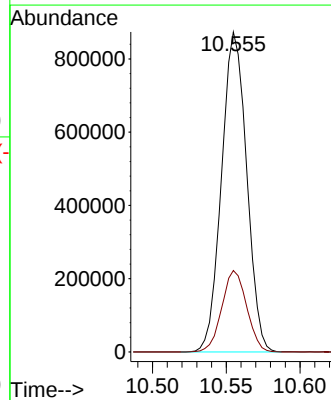
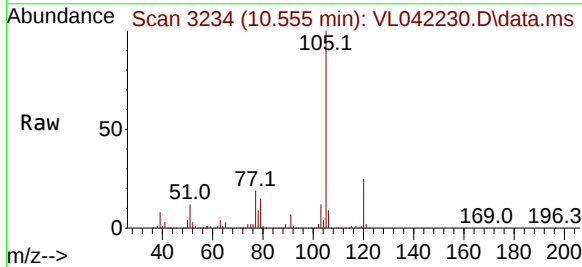
Acq: 07 Apr 2025 11:09

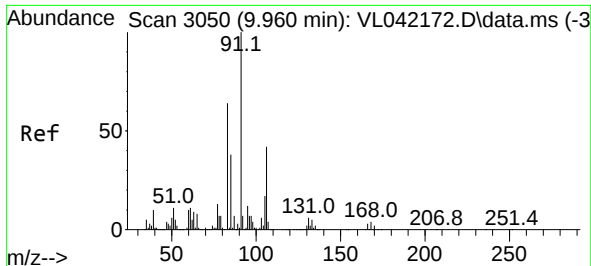
Tgt Ion:105 Resp: 1035385

Ion Ratio Lower Upper

105 100

120 25.2 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 10.816 ppbv

RT: 9.979 min Scan# 3050

Delta R.T. 0.019 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

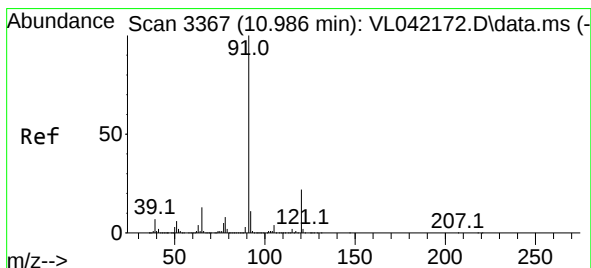
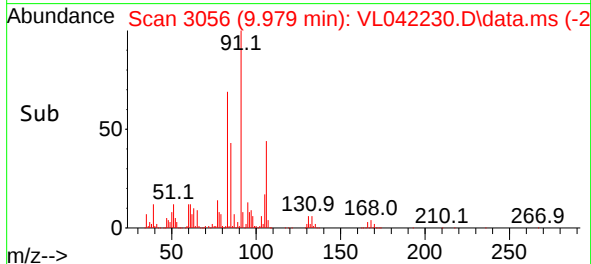
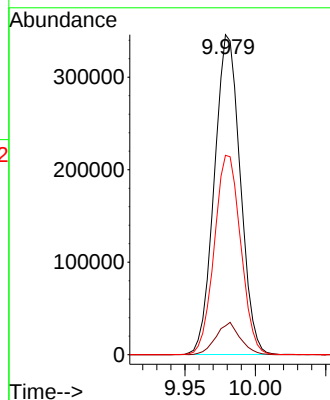
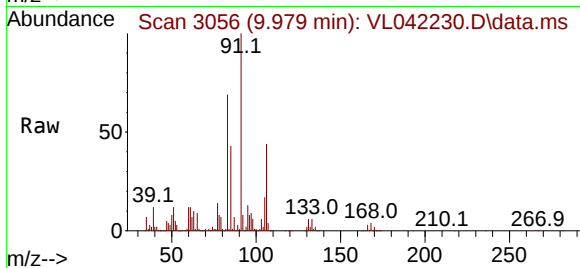
Tgt Ion: 83 Resp: 442871

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

85 63.6 32.5 97.5



#64

n-propylbenzene

Concen: 10.422 ppbv

RT: 11.005 min Scan# 3373

Delta R.T. 0.019 min

Lab File: VL042230.D

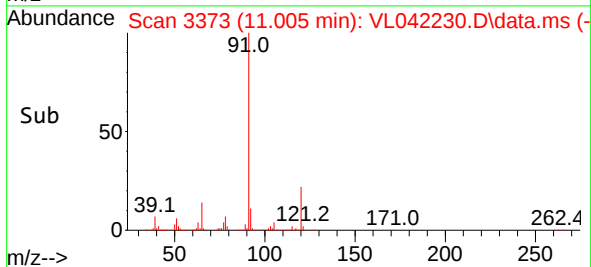
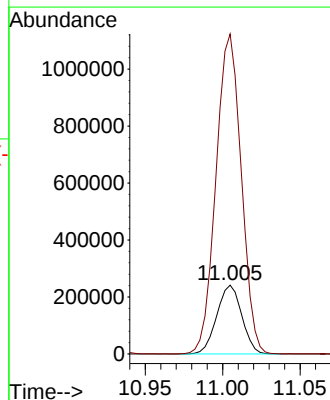
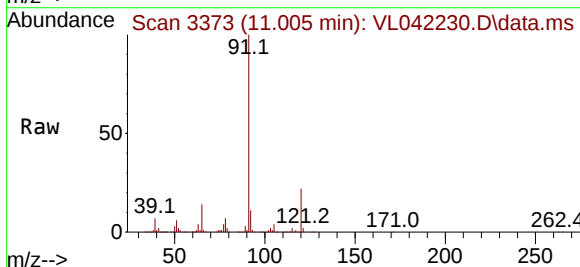
Acq: 07 Apr 2025 11:09

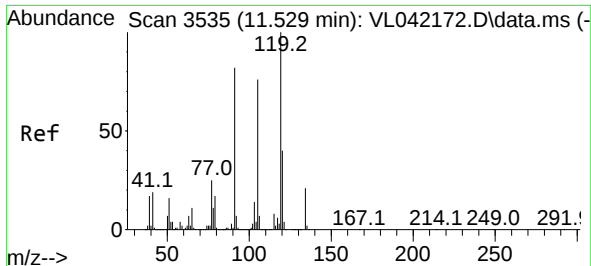
Tgt Ion: 120 Resp: 270373

Ion Ratio Lower Upper

120 100

91 472.5 376.9 565.3

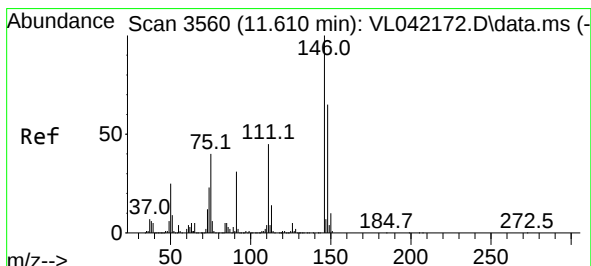
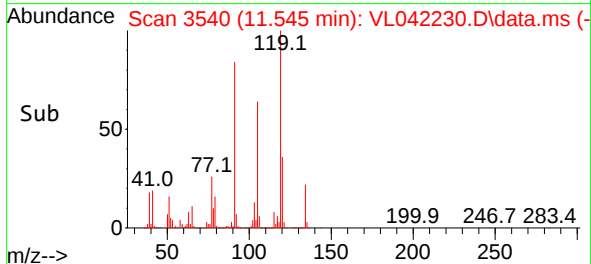
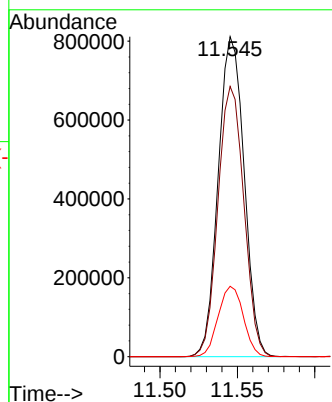
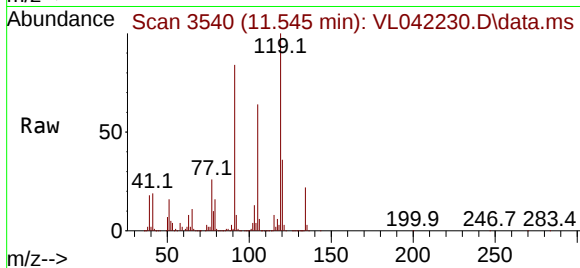




#65
tert-Butylbenzene
Concen: 10.135 ppbv
RT: 11.545 min Scan# 3535
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

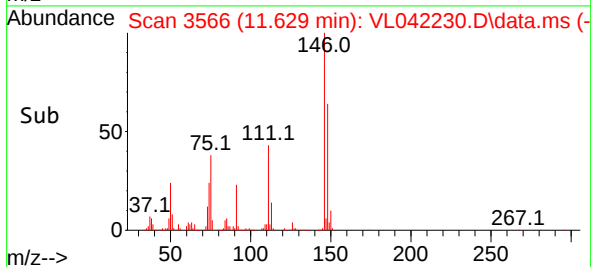
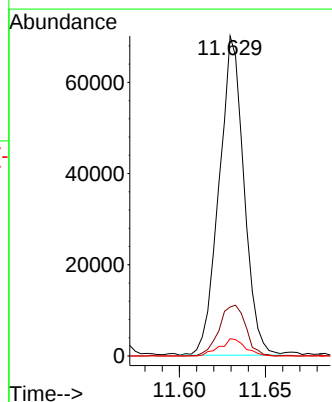
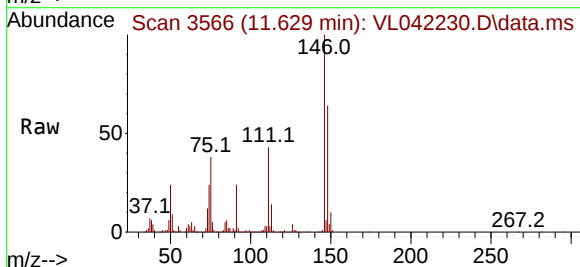
Instrument :
MSVOA_1
ClientSampleId :
VL0407ABS01

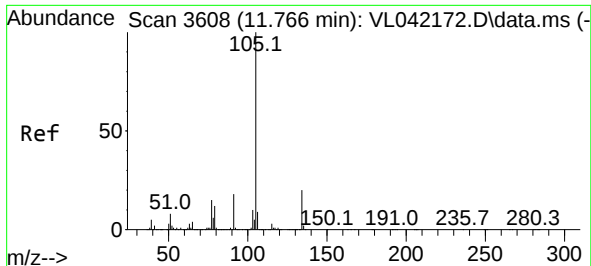
Tgt Ion:119 Resp: 944630
Ion Ratio Lower Upper
119 100
91 84.4 66.0 99.0
134 21.3 16.7 25.1



#66
Benzyl Chloride
Concen: 7.123 ppbv
RT: 11.629 min Scan# 3566
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 70444
Ion Ratio Lower Upper
91 100
126 17.2 13.8 20.6
128 5.5 4.5 6.7

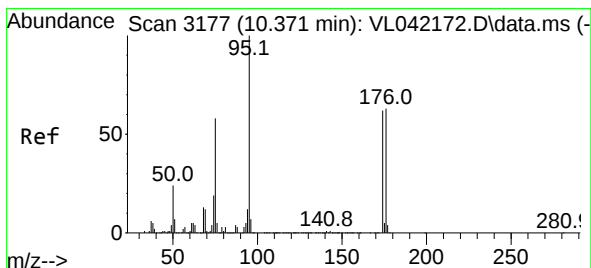
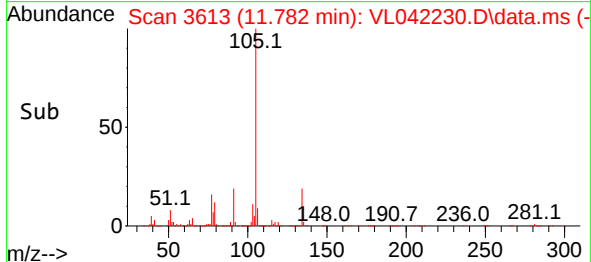
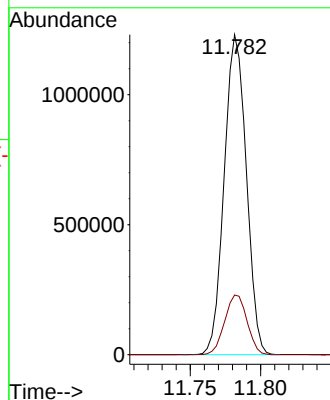
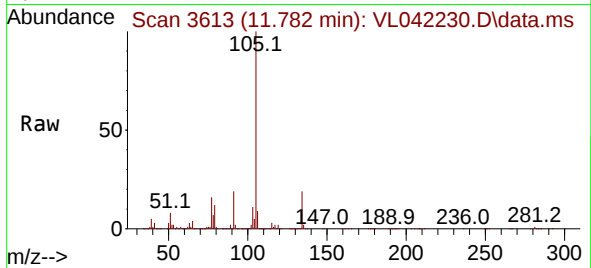




#67
 sec-Butylbenzene
 Concen: 10.395 ppbv
 RT: 11.782 min Scan# 3613
 Delta R.T. 0.016 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

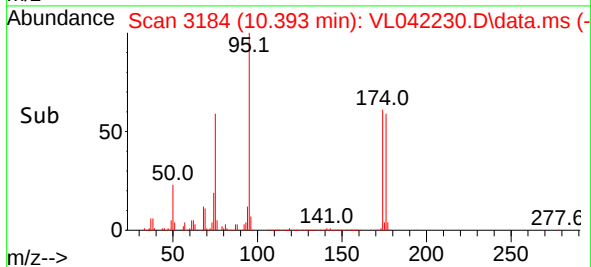
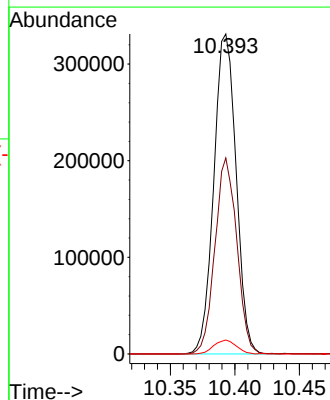
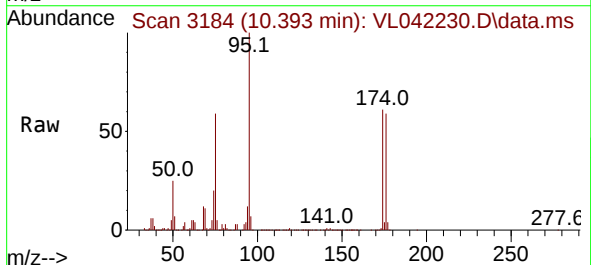
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01

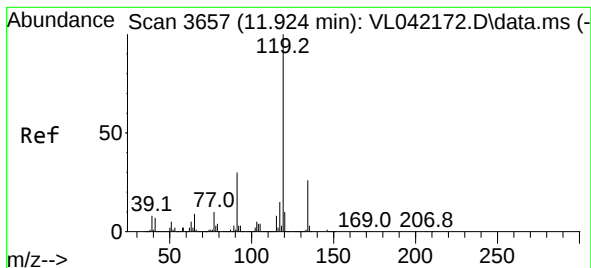
Tgt Ion:105 Resp: 1346681
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.233 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.022 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

Tgt Ion: 95 Resp: 398322
 Ion Ratio Lower Upper
 95 100
 174 60.0 50.6 76.0
 175 4.4 3.8 5.6

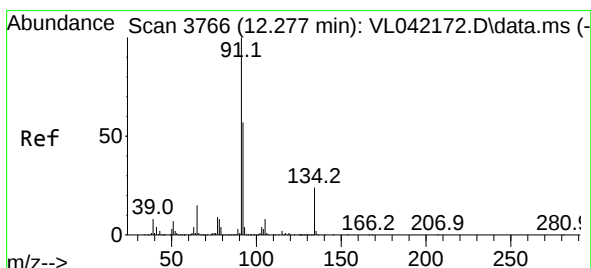
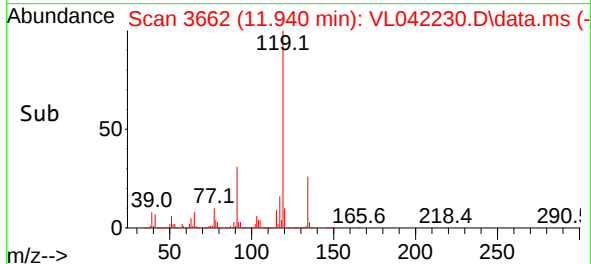
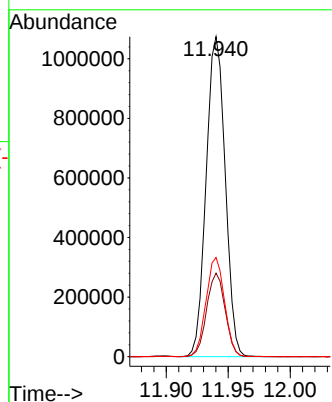
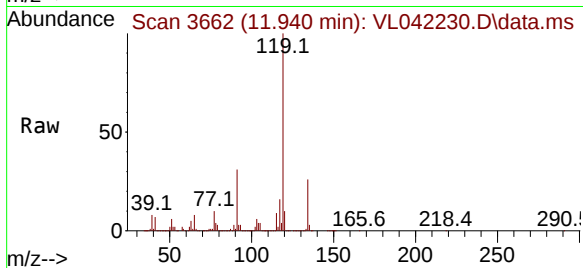




#69
p-Isopropyltoluene
Concen: 10.321 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

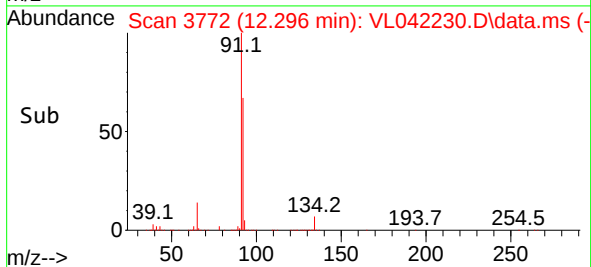
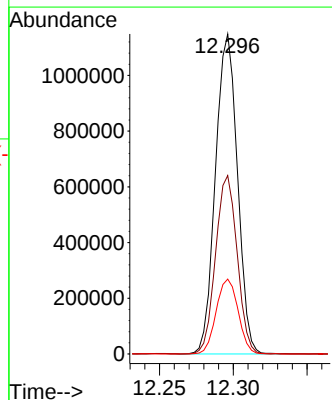
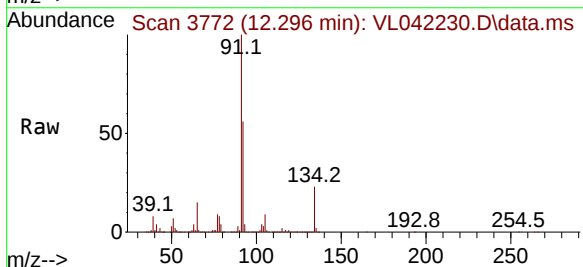
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

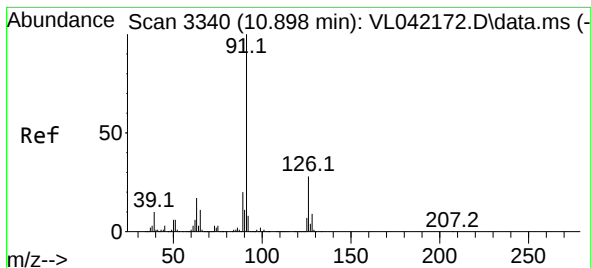
Tgt Ion:119 Resp: 1151394
Ion Ratio Lower Upper
119 100
134 25.4 20.4 30.6
91 30.3 23.7 35.5



#70
n-Butylbenzene
Concen: 10.437 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 1190709
Ion Ratio Lower Upper
91 100
92 54.9 44.9 67.3
134 23.4 19.2 28.8

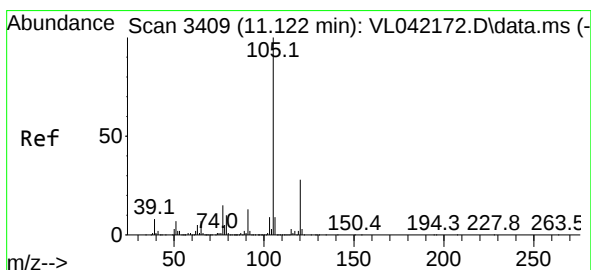
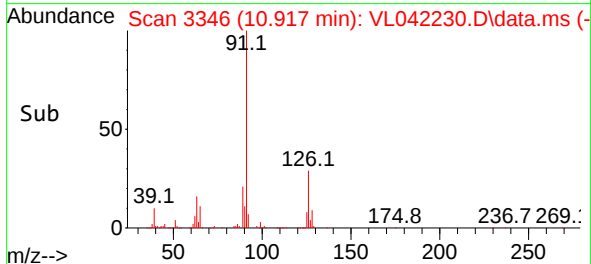
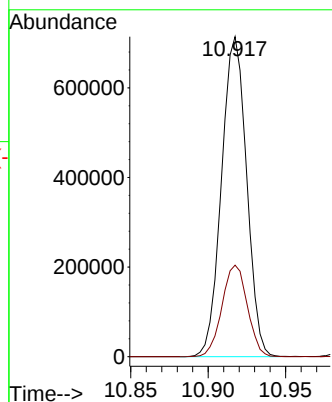
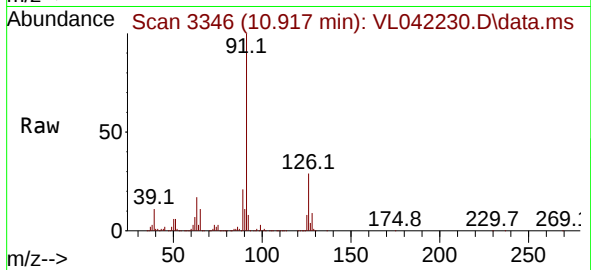




#71
2-Chlorotoluene
Concen: 10.276 ppbv
RT: 10.917 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

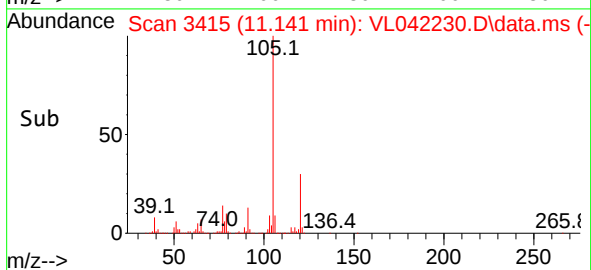
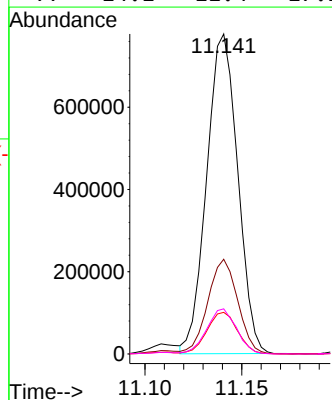
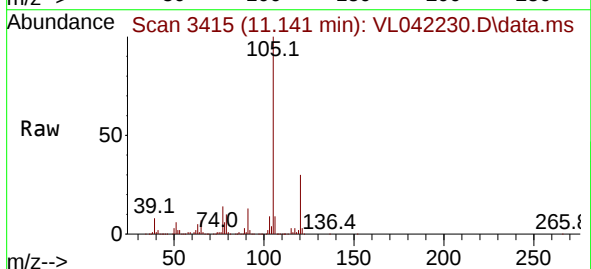
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

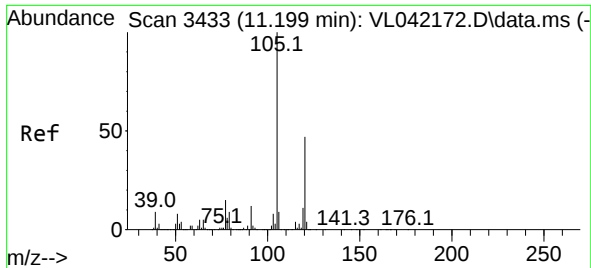
Tgt Ion: 91 Resp: 803764
Ion Ratio Lower Upper
91 100
126 28.9 11.6 46.4



#72
4-Ethyltoluene
Concen: 10.341 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 105 Resp: 867726
Ion Ratio Lower Upper
105 100
120 29.6 23.4 35.0
91 13.5 10.3 15.5
77 14.1 11.4 17.2

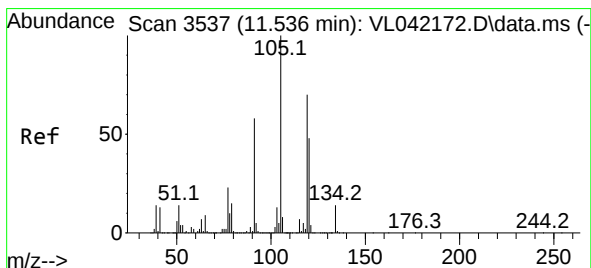
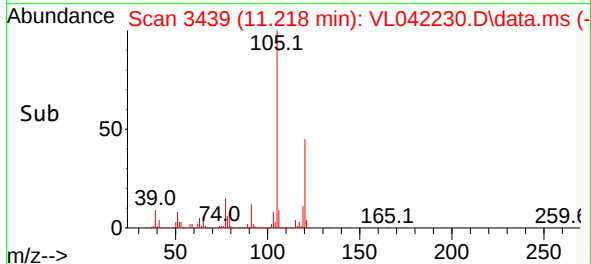
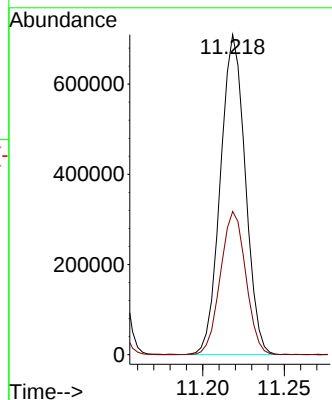
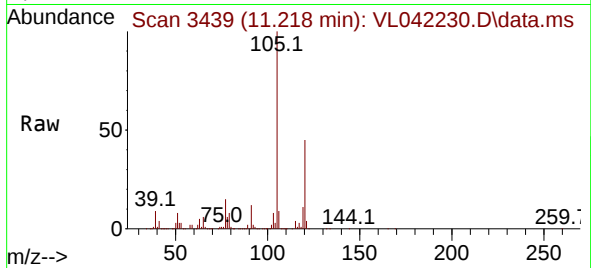




#73
 1,3,5-Trimethylbenzene
 Concen: 10.246 ppbv
 RT: 11.218 min Scan# 3439
 Delta R.T. 0.019 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

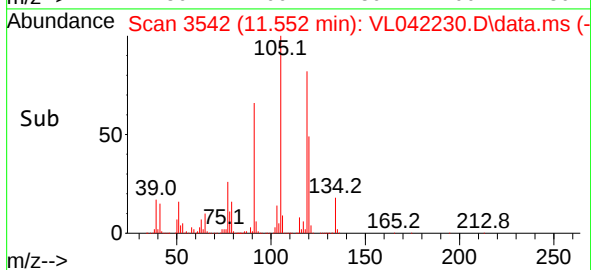
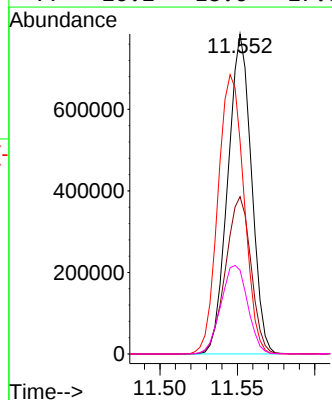
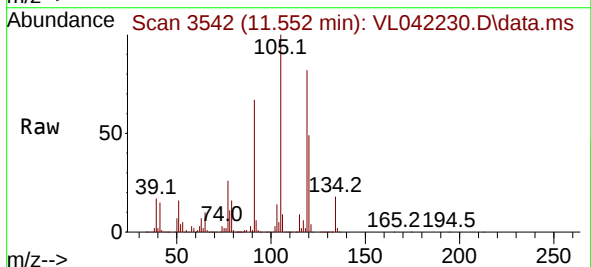
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0407ABS01

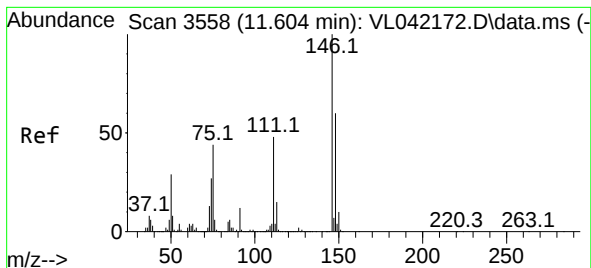
Tgt Ion:105 Resp: 750866
 Ion Ratio Lower Upper
 105 100
 120 44.7 37.4 56.0



#74
 1,2,4-Trimethylbenzene
 Concen: 9.856 ppbv
 RT: 11.552 min Scan# 3542
 Delta R.T. 0.016 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

Tgt Ion:105 Resp: 832142
 Ion Ratio Lower Upper
 105 100
 120 49.2 38.6 58.0
 91 66.6 46.2 69.2
 77 26.2 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 10.618 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.019 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_1

ClientSampleId :

VL0407ABS01

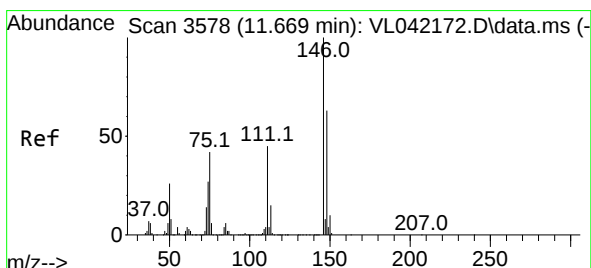
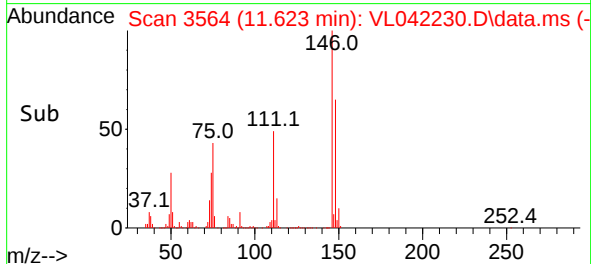
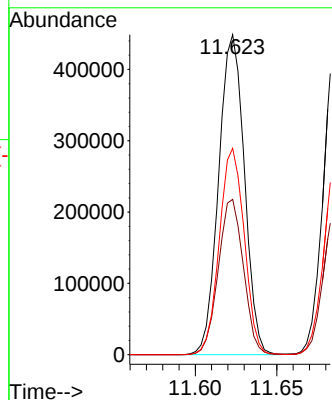
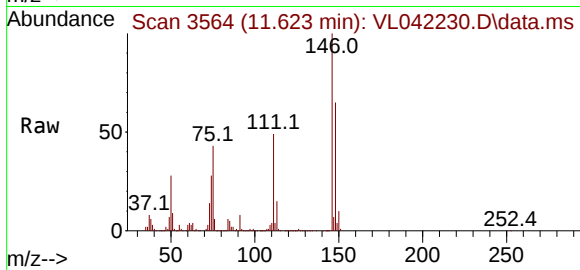
Tgt Ion:146 Resp: 491666

Ion Ratio Lower Upper

146 100

111 47.5 23.8 71.2

148 62.7 31.9 95.9



#76

1,4-Dichlorobenzene

Concen: 10.563 ppbv

RT: 11.688 min Scan# 3584

Delta R.T. 0.019 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

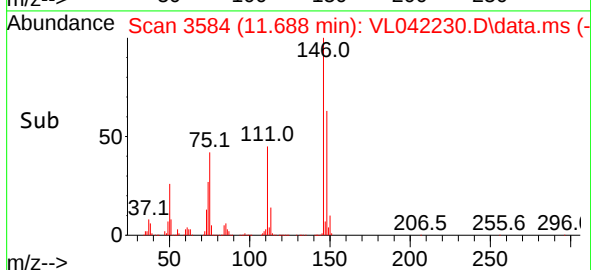
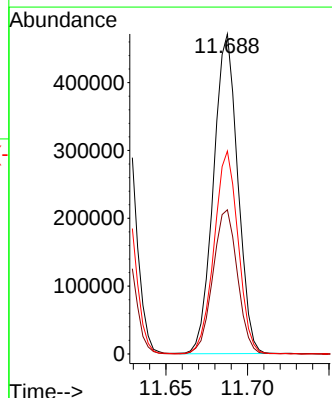
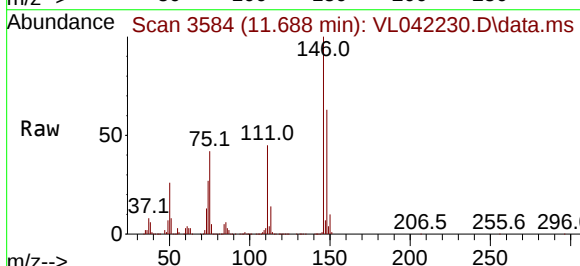
Tgt Ion:146 Resp: 486784

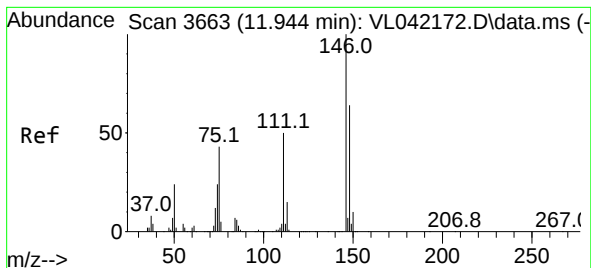
Ion Ratio Lower Upper

146 100

111 45.8 23.0 69.0

148 63.1 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 10.656 ppbv

RT: 11.963 min Scan# 3

Delta R.T. 0.019 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

VL0407ABS01

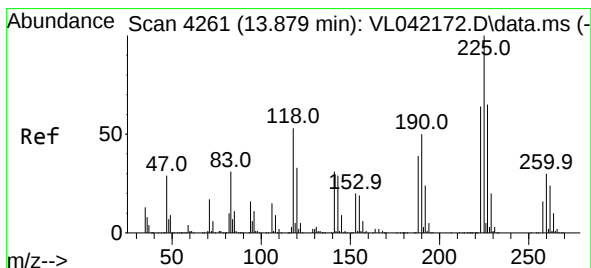
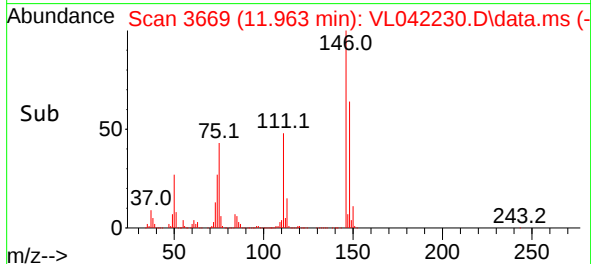
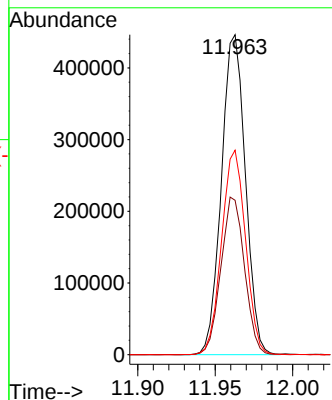
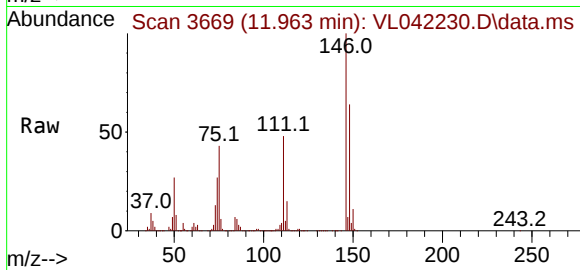
Tgt Ion:146 Resp: 480453

Ion Ratio Lower Upper

146 100

111 48.6 24.8 74.3

148 63.9 31.6 94.8



#78

Hexachloro-1,3-Butadiene

Concen: 8.189 ppbv

RT: 13.895 min Scan# 4266

Delta R.T. 0.016 min

Lab File: VL042230.D

Acq: 07 Apr 2025 11:09

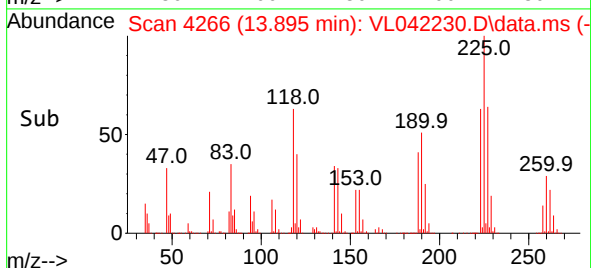
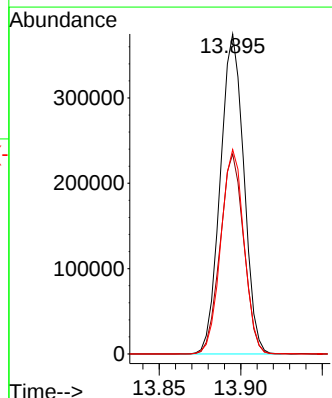
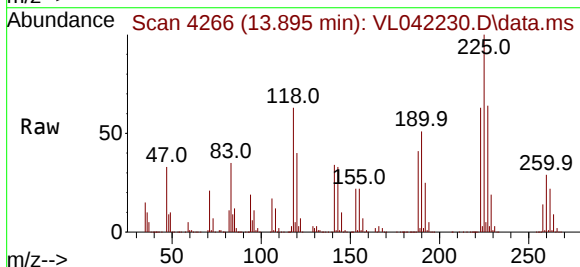
Tgt Ion:225 Resp: 375805

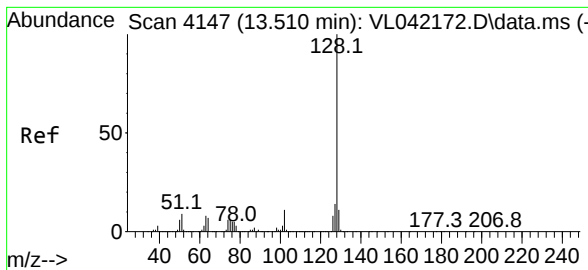
Ion Ratio Lower Upper

225 100

223 62.5 50.6 76.0

227 62.8 51.2 76.8

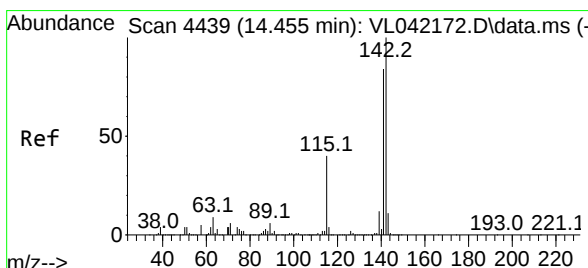
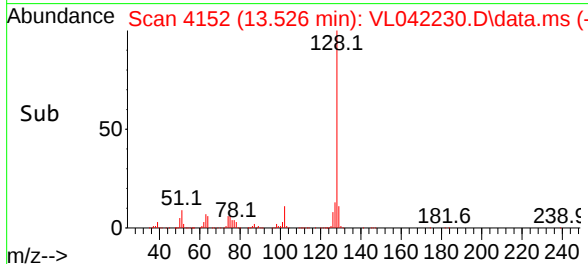
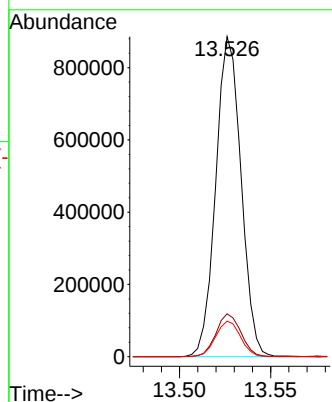
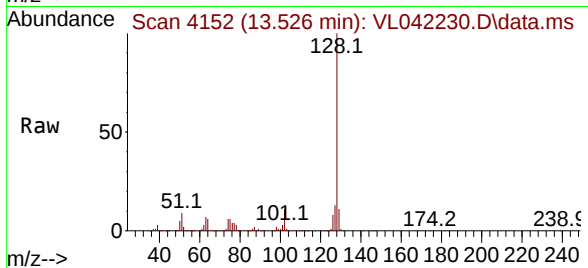




#79
Naphthalene
Concen: 9.262 ppbv
RT: 13.526 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

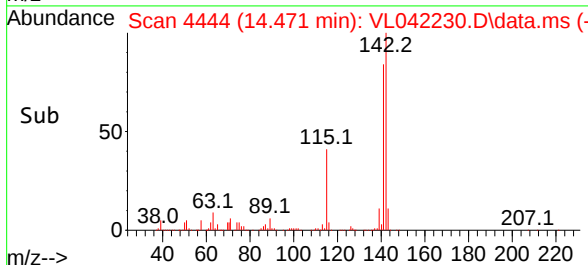
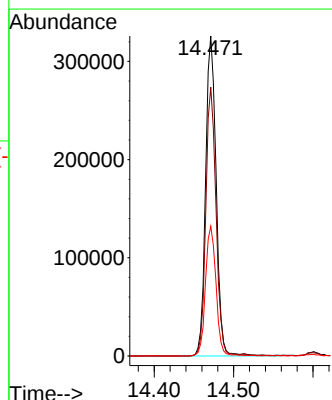
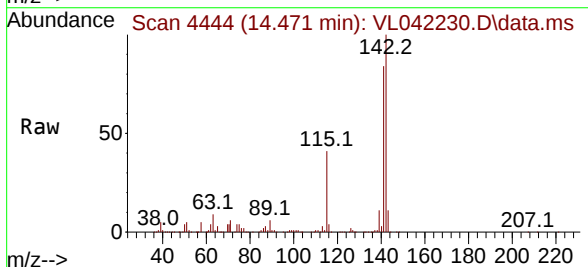
Instrument :
MSVOA_1
ClientSampleId :
VL0407ABS01

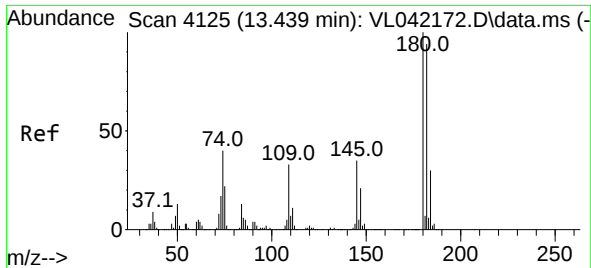
Tgt Ion:128 Resp: 855353
Ion Ratio Lower Upper
128 100
127 13.4 10.8 16.2
129 11.1 9.0 13.4



#80
Naphthalene,2-methyl-
Concen: 6.665 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

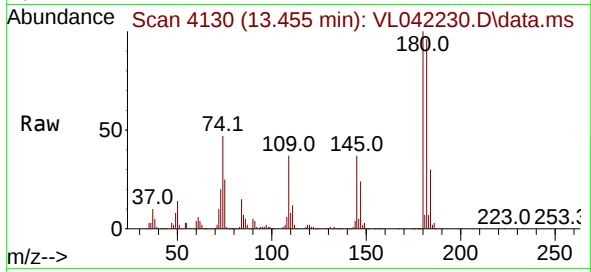
Tgt Ion:142 Resp: 301864
Ion Ratio Lower Upper
142 100
141 82.3 66.3 99.5
115 40.8 31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.994 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL042230.D
 Acq: 07 Apr 2025 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0407ABS01



Tgt Ion:180 Resp: 383097

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.1	112.7
184	30.0	24.4	36.6

