

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042302.D
 Acq On : 10 Apr 2025 11:05
 Operator : SY/MD
 Sample : VL0410ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

Quant Time: Apr 11 01:55:57 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	2.780	49	181992	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	454728	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	404669	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	327827	9.865	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	251268	9.351	ppbv	100
3) Chlorodifluoromethane	1.473	51	281024	10.237	ppbv	100
4) Chloromethane	1.531	50	108261	9.858	ppbv	96
5) Vinyl Chloride	1.576	62	98639	8.476	ppbv	99
6) Bromomethane	1.664	94	45101	9.063	ppbv	98
7) Chloroethane	1.699	64	39048	8.858	ppbv	100
8) Dichlorotetrafluoroethane	1.550	85	217598	9.509	ppbv	96
9) Propene	1.479	41	109142	8.674	ppbv	98
10) Heptane	4.965	43	316659	9.462	ppbv	100
11) Trichlorofluoromethane	1.874	101	245155	9.376	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.133	101	188616	8.776	ppbv	98
13) Ethanol	1.719	45	6073	5.106	ppbv	83
14) Bromoethene	1.777	108	70885	8.610	ppbv	99
15) Acetone	1.832	43	224780	8.831	ppbv	97
16) 1,3-Butadiene	1.605	39	108045	8.692	ppbv	99
17) tert-Butyl alcohol	2.036	59	241572	7.620	ppbv	99
18) 1,1-Dichloroethene	2.029	96	84303	8.391	ppbv	99
19) Isopropyl Alcohol	1.881	45	121689	8.474	ppbv	93
20) Methylene Chloride	2.055	84	75086	7.921	ppbv	90
21) Allyl Chloride	2.091	41	159249	8.872	ppbv	97
22) trans-1,2-Dichloroethene	2.334	96	98486	8.482	ppbv	99
23) Vinyl Acetate	2.457	43	84988	7.715	ppbv	98
24) 1,1-Dichloroethane	2.402	63	202298	9.398	ppbv	99
25) Ethyl Acetate	2.829	43	654276	9.904	ppbv	99
26) Hexane	2.819	57	244625	9.587	ppbv	96
27) Carbon Disulfide	2.146	76	237591	8.683	ppbv #	95
28) Methyl tert-Butyl Ether	2.434	73	122255	7.696	ppbv	96
29) Chloroform	2.842	83	385486	10.323	ppbv	100
30) Cyclohexane	3.845	84	196837	8.884	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	233042	8.996	ppbv	96
32) 1,1,1-Trichloroethane	3.360	97	375253	8.777	ppbv	98
34) 2-Butanone	2.551	43	367560	11.147	ppbv	97
35) Carbon Tetrachloride	3.755	117	392214	11.041	ppbv	100
36) Benzene	3.648	78	484758	10.753	ppbv	98
37) 1,2-Dichloroethane	3.211	62	290241	11.246	ppbv	99
38) Trichloroethene	4.538	130	193516	10.288	ppbv	99
39) 1,2-Dichloropropane	4.305	63	178422	10.868	ppbv	92
40) 1,4-Dioxane	4.570	88	81717	9.378	ppbv #	96
41) Tetrahydrofuran	3.049	42	201299	10.601	ppbv	95
42) Bromodichloromethane	4.480	83	406194	11.416	ppbv	100
43) Methyl Methacrylate	4.871	69	177759	9.315	ppbv	99
44) 2,2,4-Trimethylpentane	4.628	57	844094	11.080	ppbv	97
45) t-1,3-Dichloropropene	6.402	75	168205	8.215	ppbv	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
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 Sample : VL0410ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

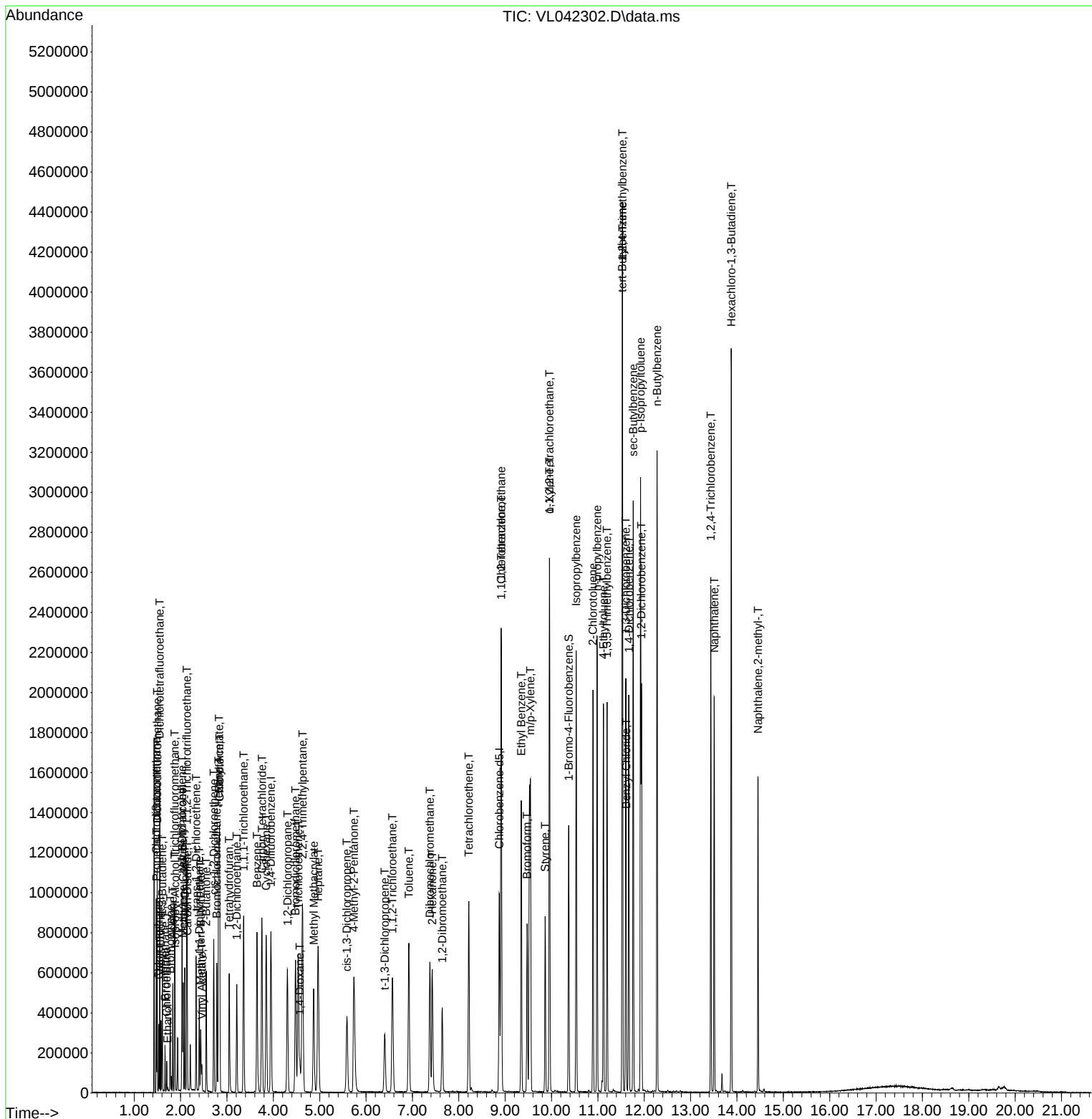
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 ClientSampleId :
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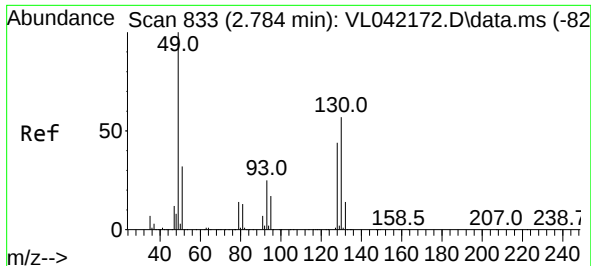
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	226293	9.016	ppbv	98
47) 1,1,2-Trichloroethane	6.570	97	198266	11.424	ppbv	97
48) Dibromochloromethane	7.376	129	318857	10.841	ppbv	100
49) Bromoform	9.474	173	288223	10.915	ppbv	99
50) 4-Methyl-2-Pentanone	5.739	43	518035	9.913	ppbv	96
51) 2-Hexanone	7.428	43	414703	9.664	ppbv #	94
52) Tetrachloroethene	8.215	164	165334	9.248	ppbv	97
53) Toluene	6.923	91	527837	9.877	ppbv	100
54) 1,2-Dibromoethane	7.642	107	265105	10.958	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.917	131	269261	12.088	ppbv	99
57) Chlorobenzene	8.914	112	453135	11.805	ppbv	97
58) Ethyl Benzene	9.348	91	773516	10.761	ppbv	99
59) m/p-Xylene	9.542	91	594221	10.353	ppbv #	13
60) o-Xylene	9.956	91	656144	11.404	ppbv	96
61) Styrene	9.862	104	283752	9.968	ppbv	99
62) Isopropylbenzene	10.532	105	968339	11.254	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	437804	12.523	ppbv	99
64) n-propylbenzene	10.982	120	260101	11.743	ppbv	98
65) tert-Butylbenzene	11.526	119	891006	11.197	ppbv	99
66) Benzyl Chloride	11.610	91	67064	7.943	ppbv	98
67) sec-Butylbenzene	11.762	105	1266690	11.452	ppbv	99
69) p-Isopropyltoluene	11.921	119	1065111	11.183	ppbv	99
70) n-Butylbenzene	12.277	91	1117359	11.471	ppbv	99
71) 2-Chlorotoluene	10.895	91	738389	11.057	ppbv	98
72) 4-Ethyltoluene	11.118	105	818929	11.431	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	705360	11.273	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	800991	11.112	ppbv	97
75) 1,3-Dichlorobenzene	11.603	146	481728	12.185	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	479693	12.192	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	477721	12.411	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	380053	9.700	ppbv	99
79) Naphthalene	13.510	128	905270	11.482	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	422199	10.919	ppbv	99
81) 1,2,4-Trichlorobenzene	13.435	180	402319	11.063	ppbv	99

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

Quant Time: Apr 11 01:55:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
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Response via : Initial Calibration

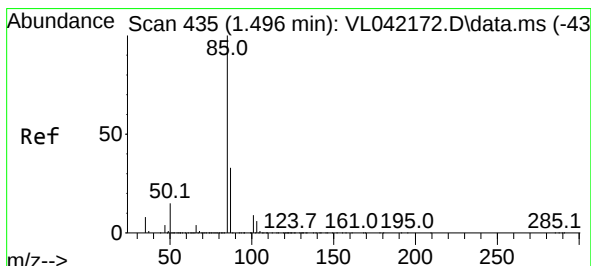
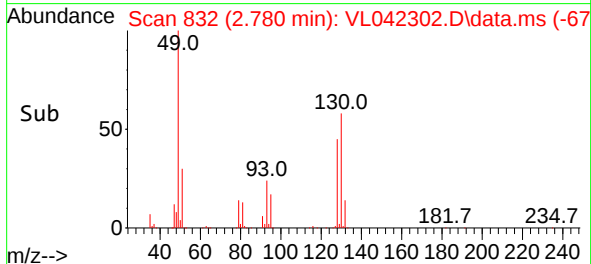
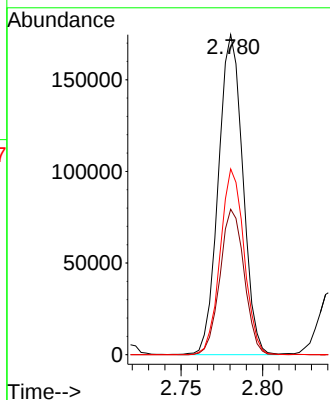
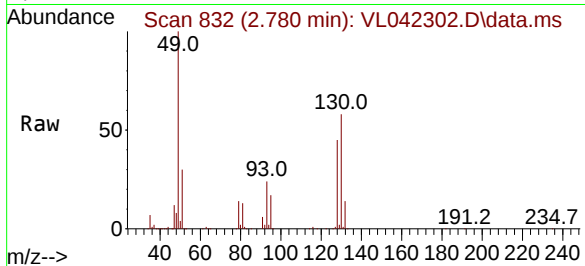




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.780 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

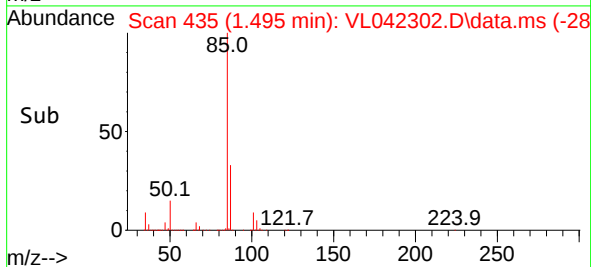
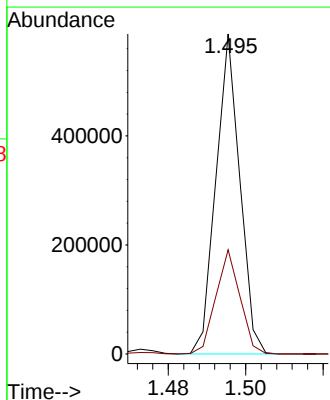
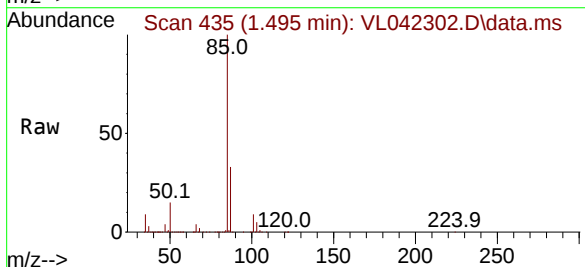
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

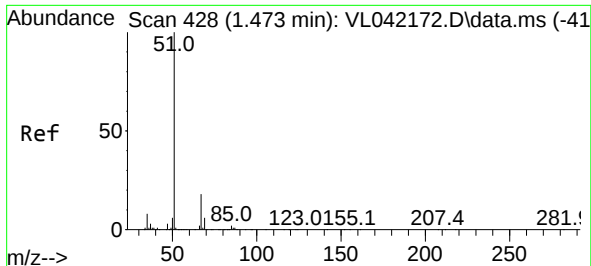
Tgt Ion: 49 Resp: 181992
 Ion Ratio Lower Upper
 49 100
 128 44.9 22.9 68.5
 130 56.6 28.8 86.4



#2
 Dichlorodifluoromethane
 Concen: 9.351 ppbv
 RT: 1.495 min Scan# 435
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Tgt Ion: 85 Resp: 251268
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.1 39.1

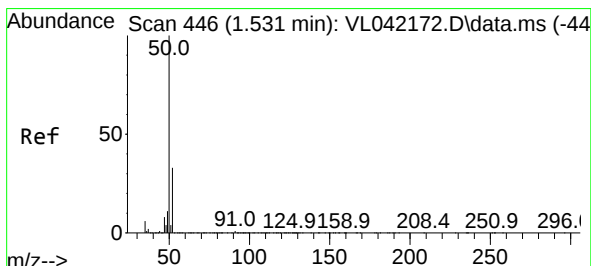
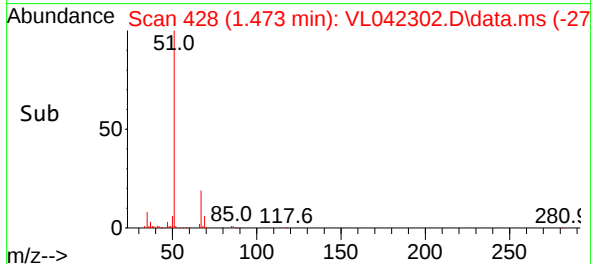
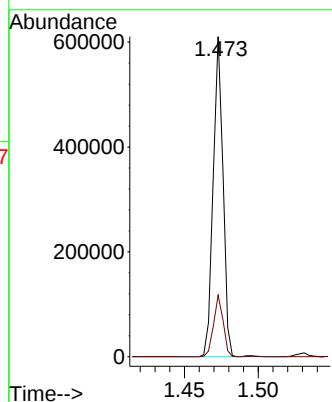
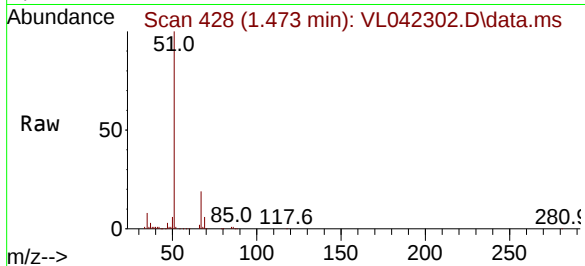




#3
Chlorodifluoromethane
Concen: 10.237 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

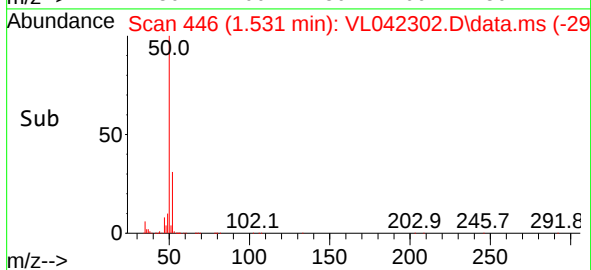
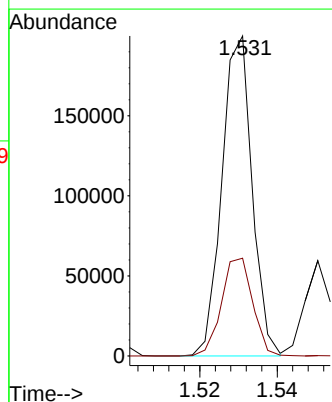
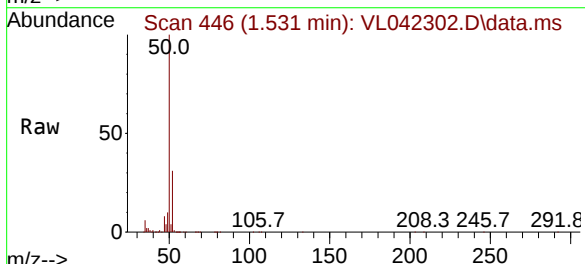
Instrument :
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ClientSampleId :
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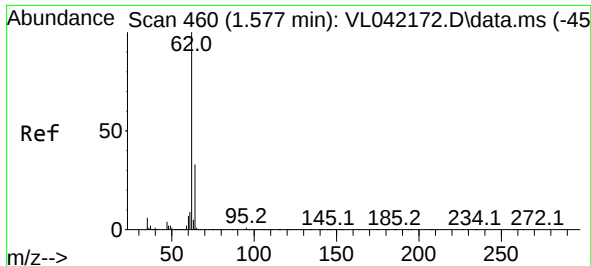
Tgt Ion: 51 Resp: 281024
Ion Ratio Lower Upper
51 100
67 18.8 15.0 22.6



#4
Chloromethane
Concen: 9.858 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 50 Resp: 108261
Ion Ratio Lower Upper
50 100
52 30.6 26.1 39.1

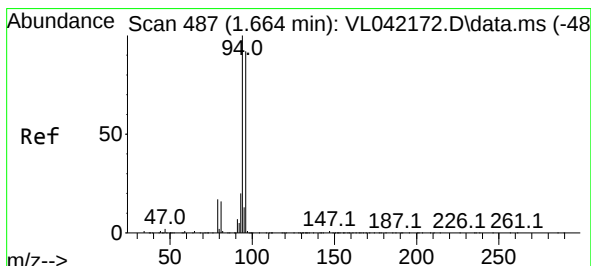
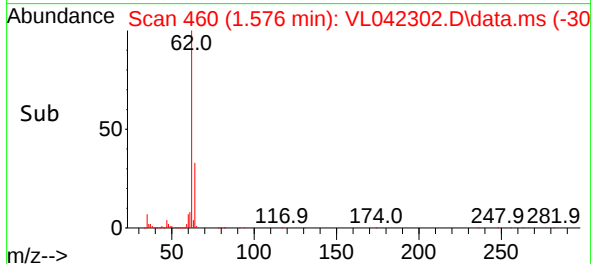
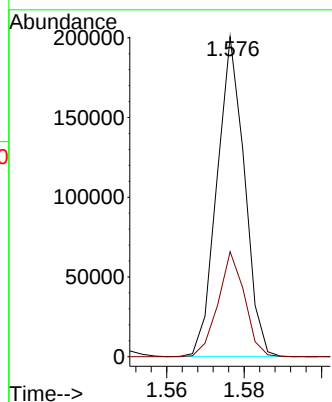
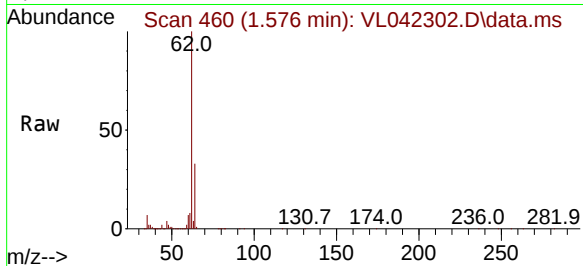




#5
 Vinyl Chloride
 Concen: 8.476 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

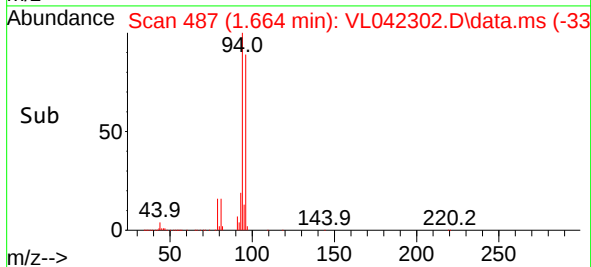
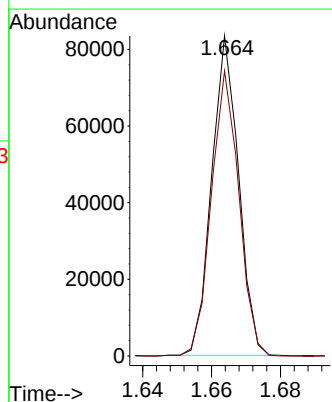
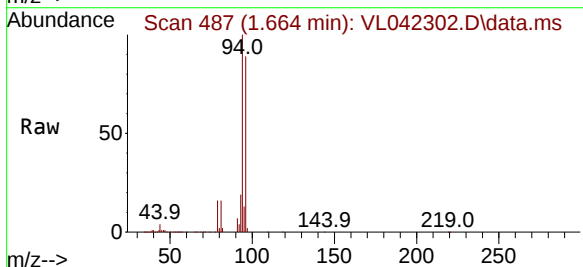
Instrument :
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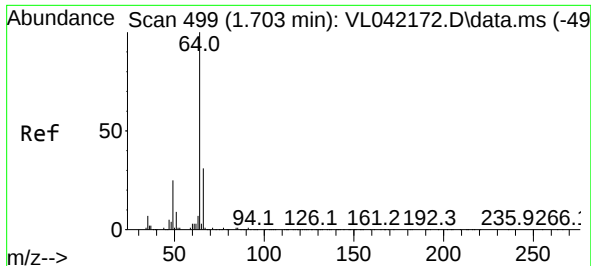
Tgt Ion: 62 Resp: 98639
 Ion Ratio Lower Upper
 62 100
 64 32.9 26.6 40.0



#6
 Bromomethane
 Concen: 9.063 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Tgt Ion: 94 Resp: 45101
 Ion Ratio Lower Upper
 94 100
 96 89.3 73.1 109.7

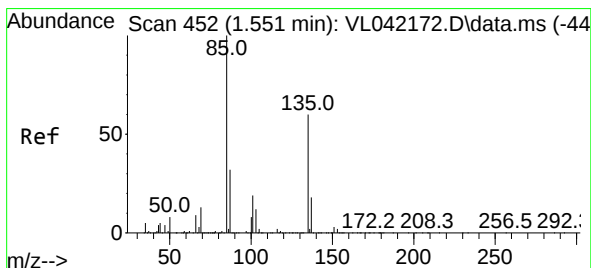
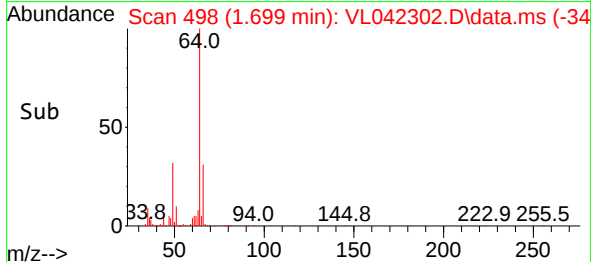
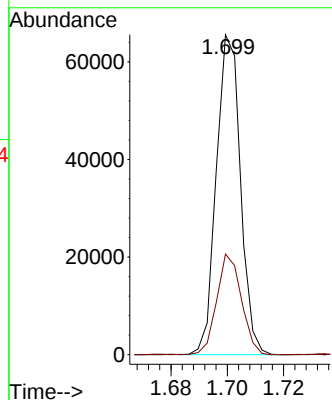
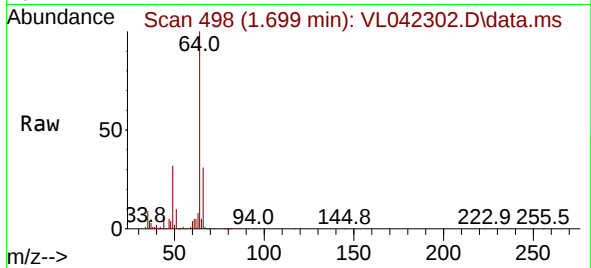




#7
Chloroethane
Concen: 8.858 ppbv
RT: 1.699 min Scan# 499
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

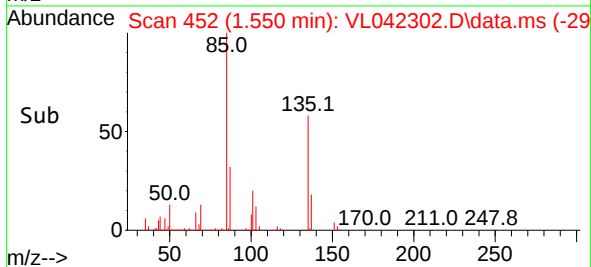
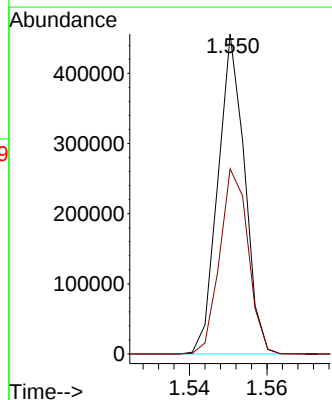
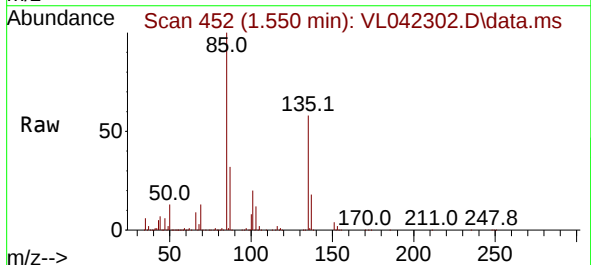
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ClientSampleId :
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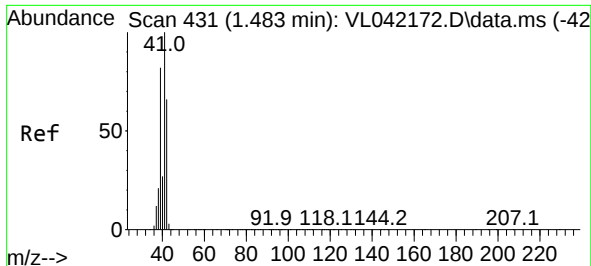
Tgt Ion: 64 Resp: 39048
Ion Ratio Lower Upper
64 100
66 31.4 25.2 37.8



#8
Dichlorotetrafluoroethane
Concen: 9.509 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 85 Resp: 217598
Ion Ratio Lower Upper
85 100
135 61.9 52.4 78.6





#9

Propene

Concen: 8.674 ppbv

RT: 1.479 min Scan# 41

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

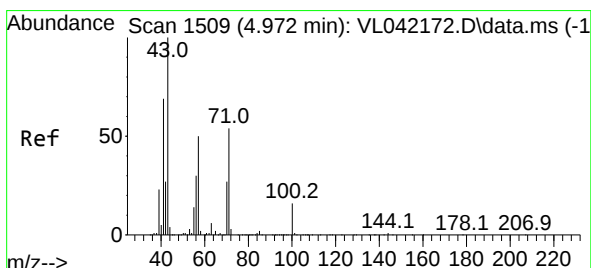
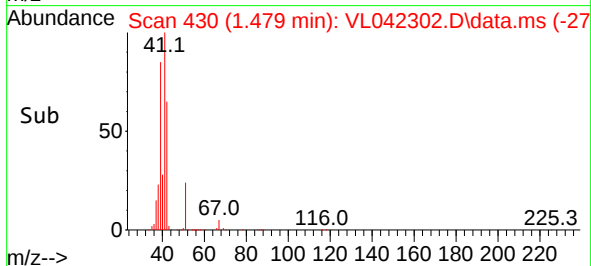
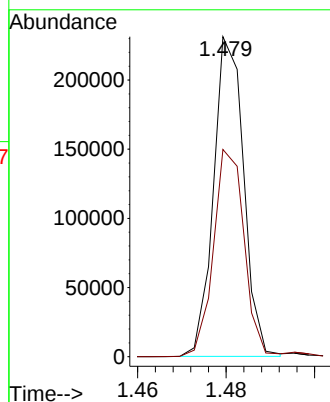
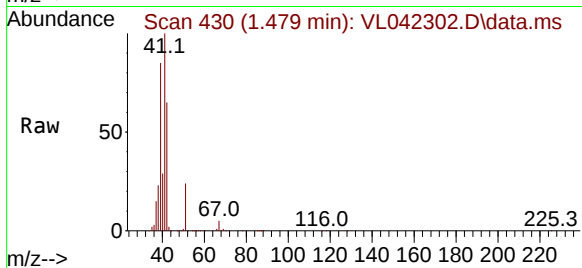
VL0410ABS01

Tgt Ion: 41 Resp: 109142

Ion Ratio Lower Upper

41 100

42 67.7 55.4 83.2



#10

Heptane

Concen: 9.462 ppbv

RT: 4.965 min Scan# 1507

Delta R.T. -0.007 min

Lab File: VL042302.D

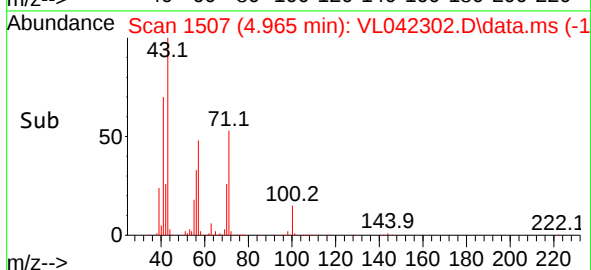
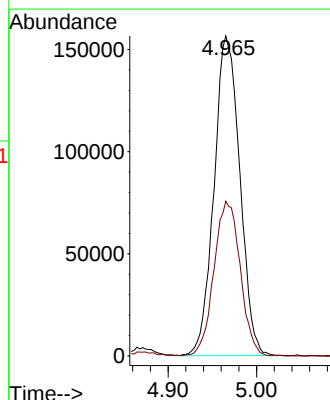
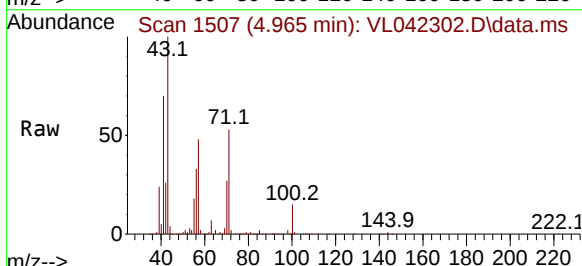
Acq: 10 Apr 2025 11:05

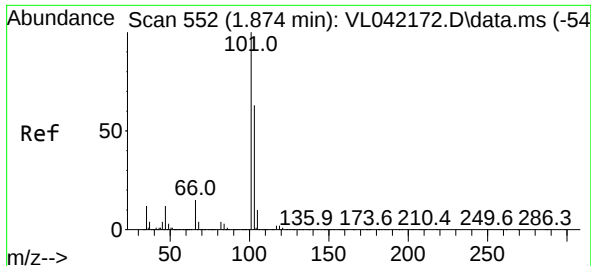
Tgt Ion: 43 Resp: 316659

Ion Ratio Lower Upper

43 100

57 49.3 39.4 59.2

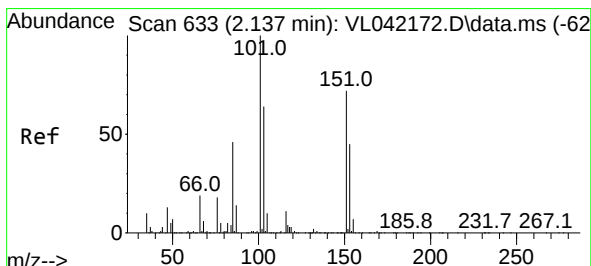
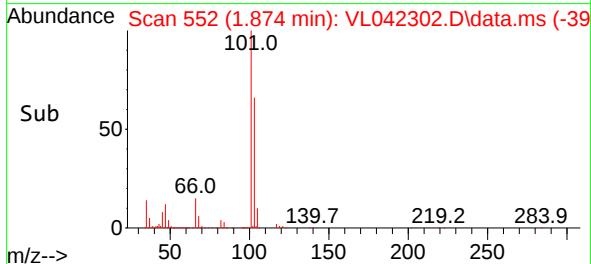
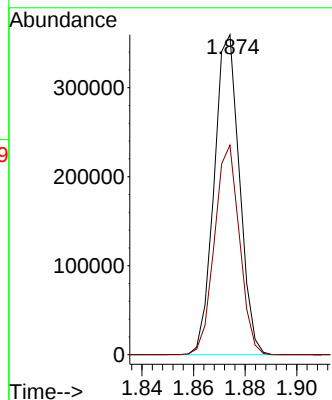
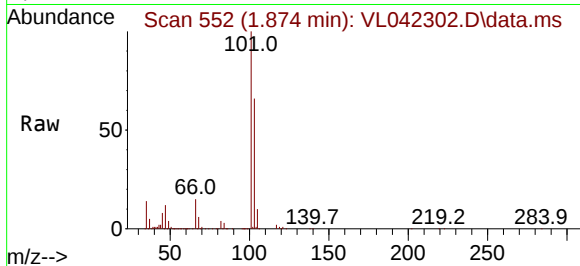




#11
 Trichlorofluoromethane
 Concen: 9.376 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

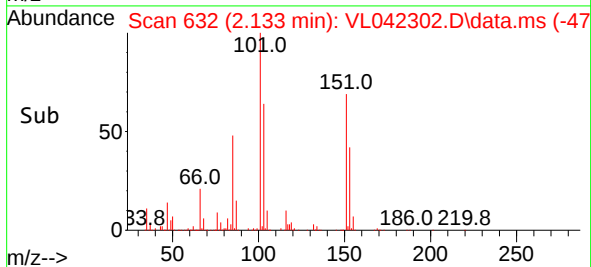
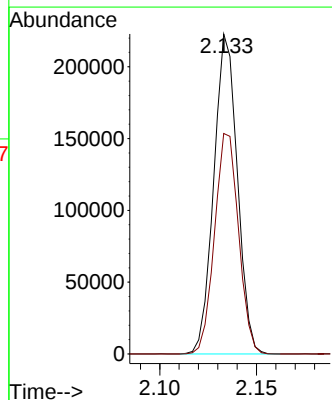
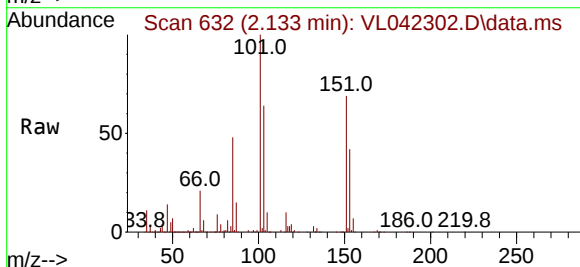
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

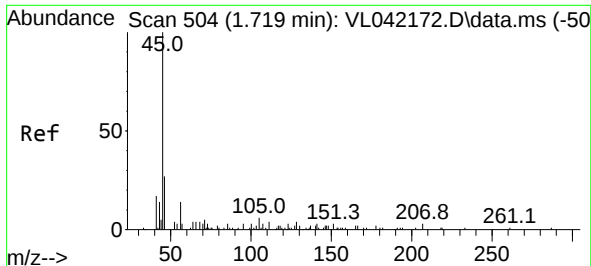
Tgt Ion:101 Resp: 245155
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.776 ppbv
 RT: 2.133 min Scan# 632
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Tgt Ion:101 Resp: 188616
 Ion Ratio Lower Upper
 101 100
 151 70.1 57.1 85.7





#13

Ethanol

Concen: 5.106 ppbv

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

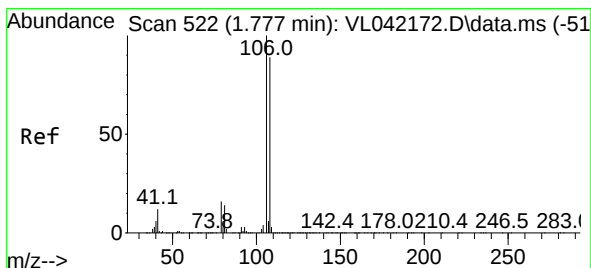
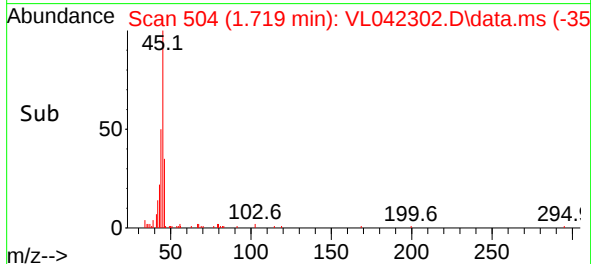
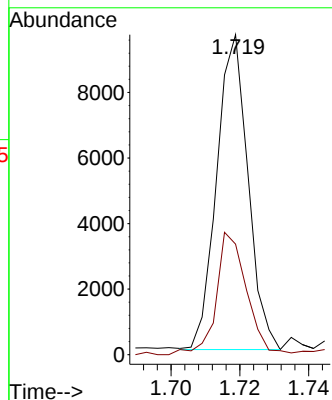
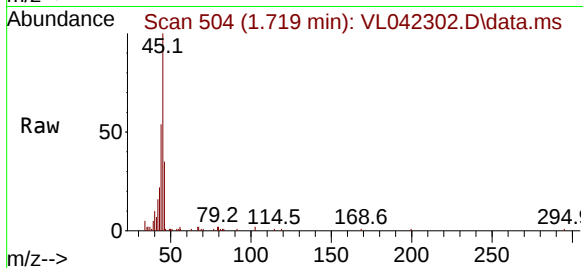
VL0410ABS01

Tgt Ion: 45 Resp: 6073

Ion Ratio Lower Upper

45 100

46 39.1 20.2 80.8



#14

Bromoethene

Concen: 8.610 ppbv

RT: 1.777 min Scan# 522

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

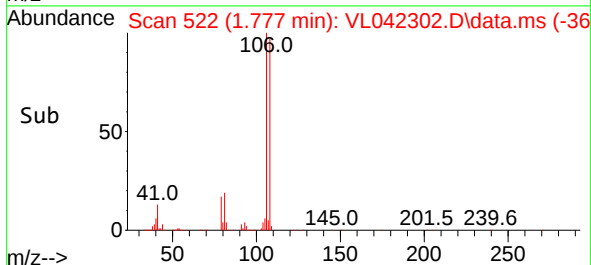
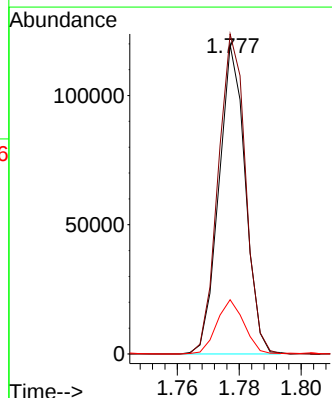
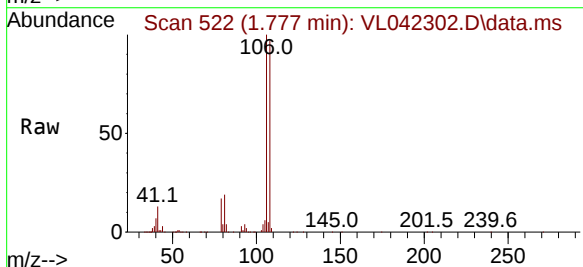
Tgt Ion: 108 Resp: 70885

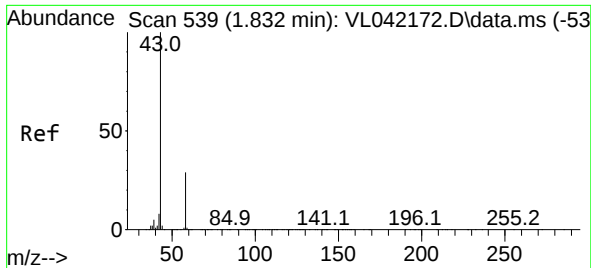
Ion Ratio Lower Upper

108 100

106 107.1 86.8 130.2

79 18.4 15.0 22.6





#15

Acetone

Concen: 8.831 ppbv

RT: 1.832 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

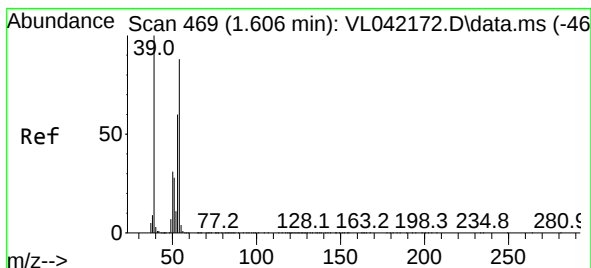
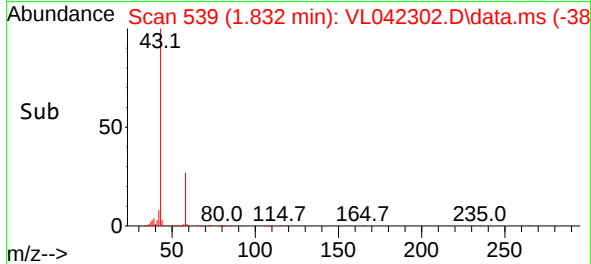
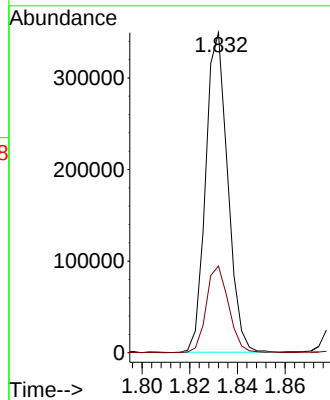
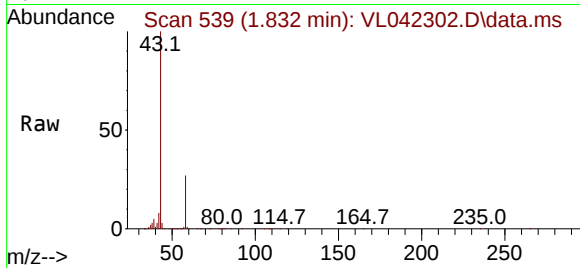
VL0410ABS01

Tgt Ion: 43 Resp: 224780

Ion Ratio Lower Upper

43 100

58 27.6 23.2 34.8



#16

1,3-Butadiene

Concen: 8.692 ppbv

RT: 1.605 min Scan# 469

Delta R.T. -0.000 min

Lab File: VL042302.D

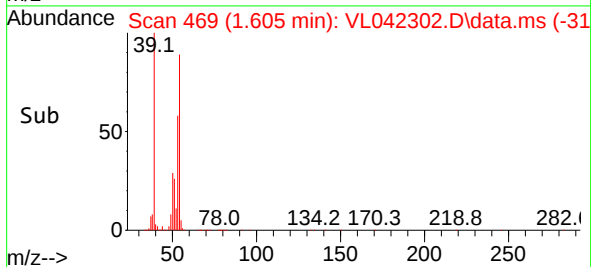
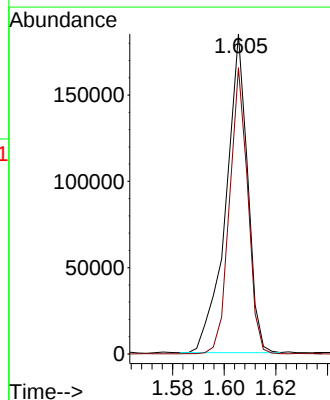
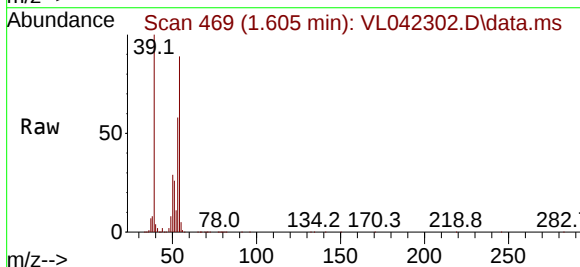
Acq: 10 Apr 2025 11:05

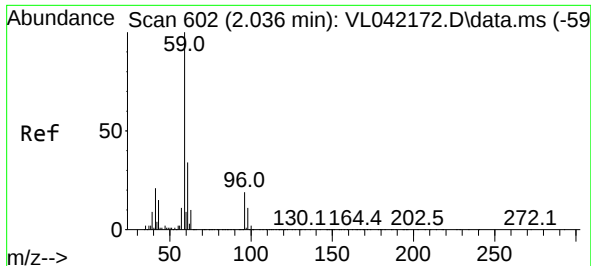
Tgt Ion: 39 Resp: 108045

Ion Ratio Lower Upper

39 100

54 75.1 60.7 91.1





#17

tert-Butyl alcohol

Concen: 7.620 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

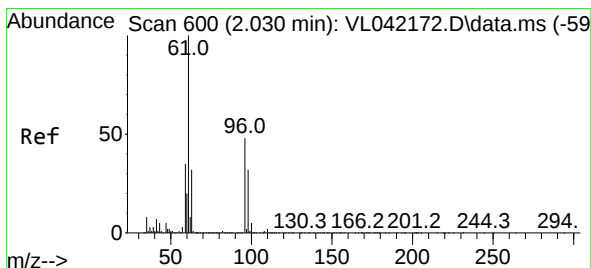
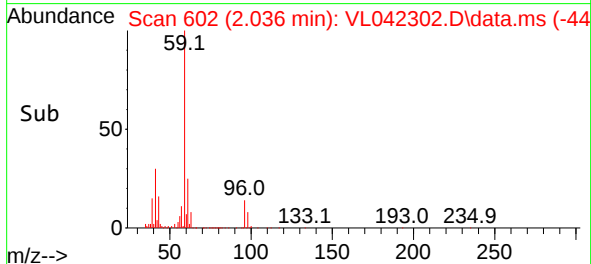
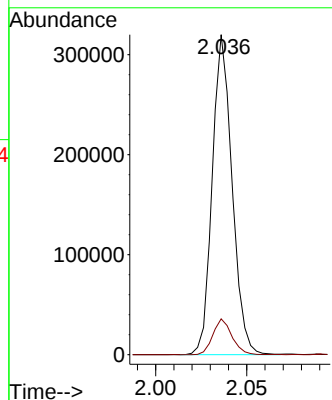
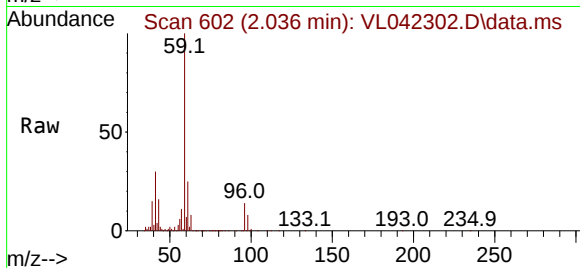
VL0410ABS01

Tgt Ion: 59 Resp: 241572

Ion Ratio Lower Upper

59 100

57 10.8 8.9 13.3



#18

1,1-Dichloroethene

Concen: 8.391 ppbv

RT: 2.029 min Scan# 600

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

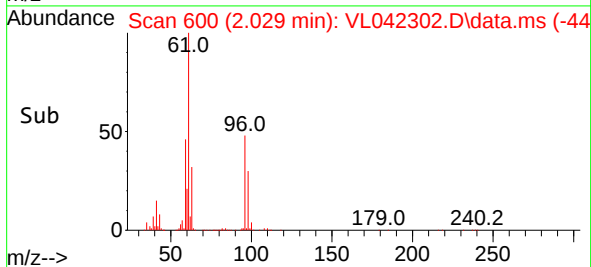
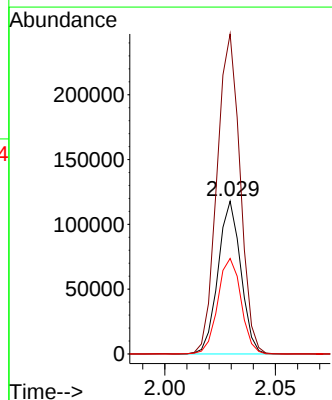
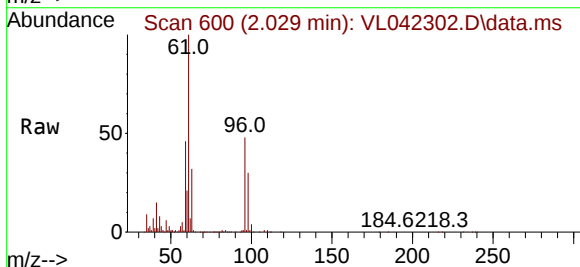
Tgt Ion: 96 Resp: 84303

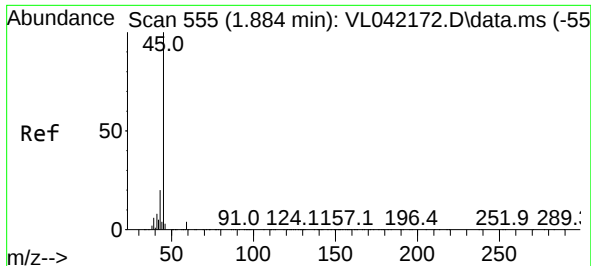
Ion Ratio Lower Upper

96 100

61 209.4 167.6 251.4

98 62.5 53.5 80.3

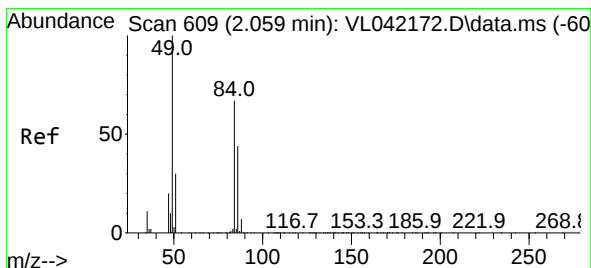
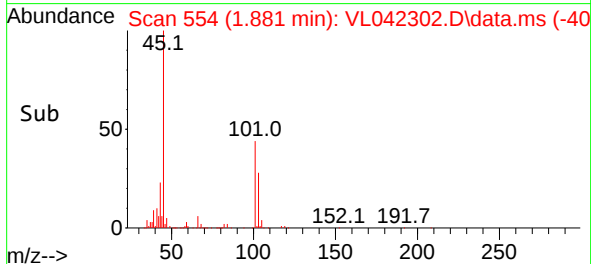
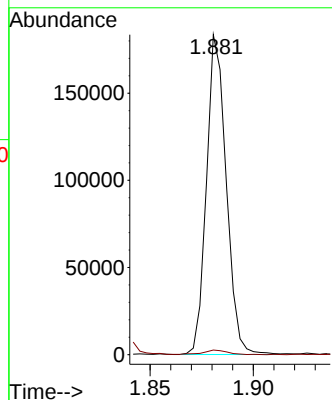
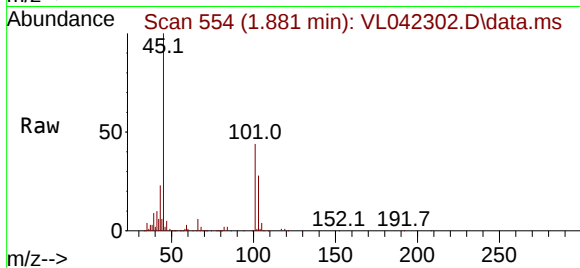




#19
Isopropyl Alcohol
Concen: 8.474 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

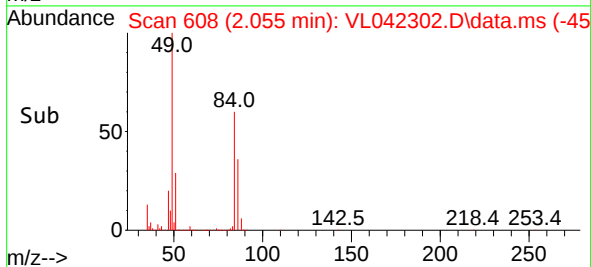
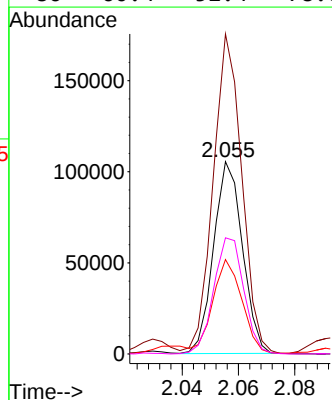
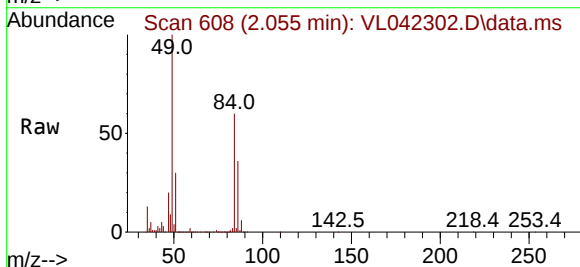
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

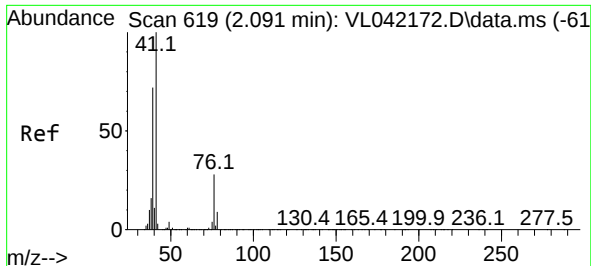
Tgt Ion: 45 Resp: 121689
Ion Ratio Lower Upper
45 100
58 50.9 36.9 55.3



#20
Methylene Chloride
Concen: 7.921 ppbv
RT: 2.055 min Scan# 608
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 84 Resp: 75086
Ion Ratio Lower Upper
84 100
49 166.6 120.2 180.4
51 48.8 37.4 56.0
86 60.4 52.4 78.6

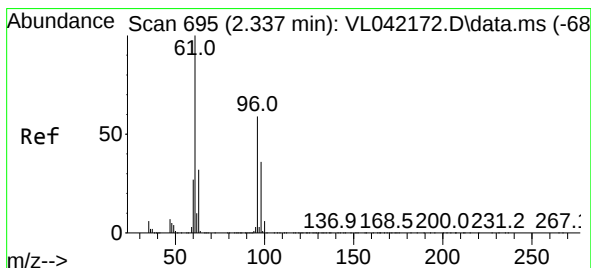
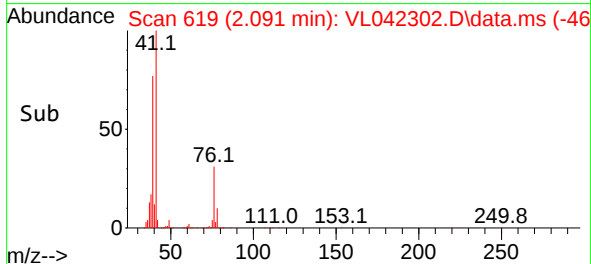
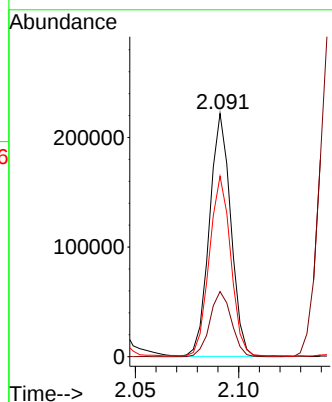
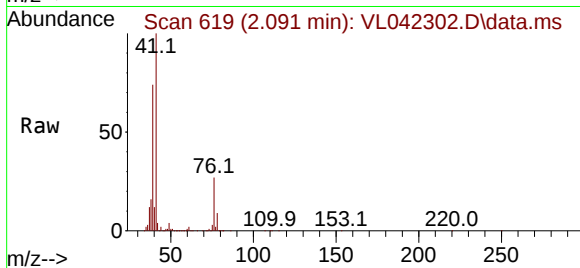




#21
 Allyl Chloride
 Concen: 8.872 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

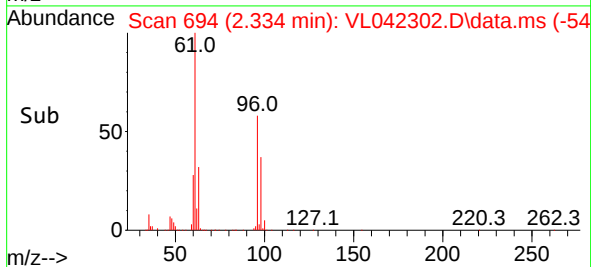
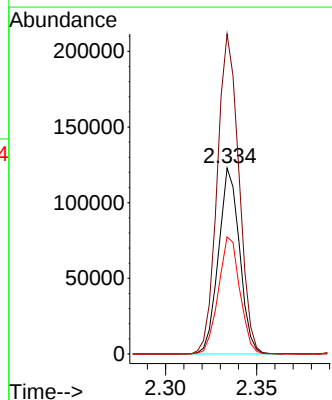
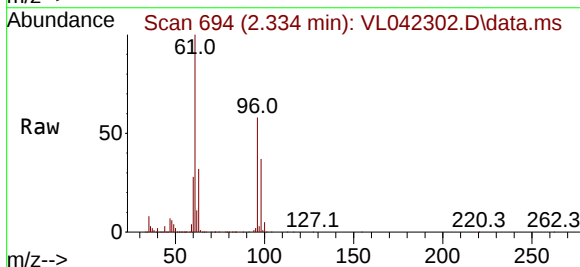
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0410ABS01

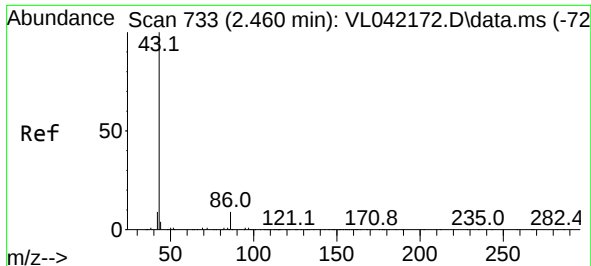
Tgt Ion: 41 Resp: 159249
 Ion Ratio Lower Upper
 41 100
 76 27.0 24.1 36.1
 39 74.3 61.1 91.7



#22
 trans-1,2-Dichloroethene
 Concen: 8.482 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Tgt Ion: 96 Resp: 98486
 Ion Ratio Lower Upper
 96 100
 61 172.1 136.6 204.8
 98 63.0 49.4 74.2

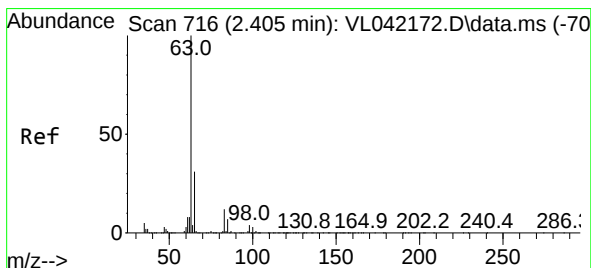
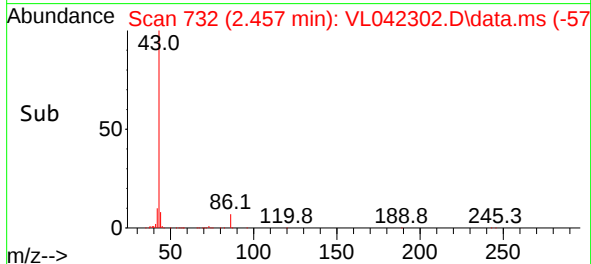
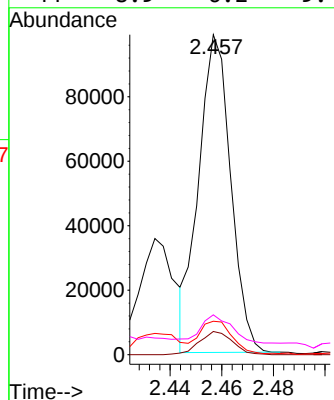
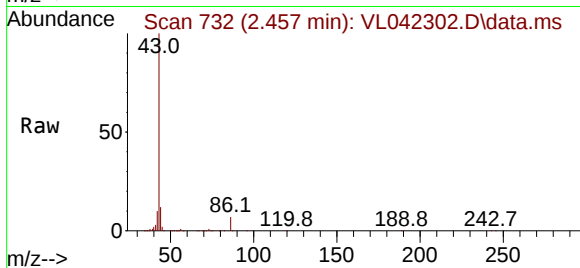




#23
Vinyl Acetate
Concen: 7.715 ppbv
RT: 2.457 min Scan# 715
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

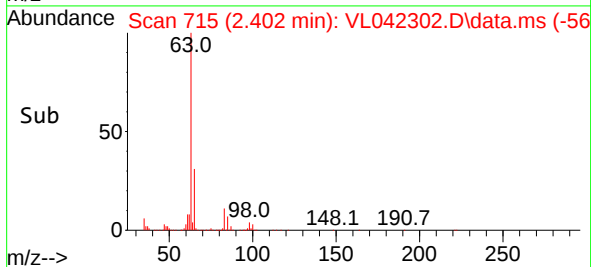
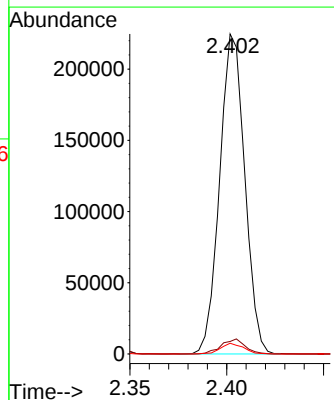
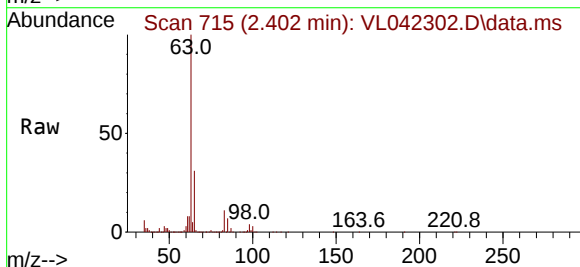
Instrument :
MSVOA_1
ClientSampleId :
VL0410ABS01

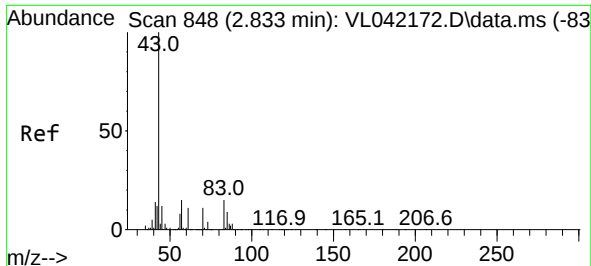
Tgt Ion:	43	Resp:	84988
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.5	8.3
42	10.2	8.6	13.0
44	8.9	6.2	9.4



#24
1,1-Dichloroethane
Concen: 9.398 ppbv
RT: 2.402 min Scan# 715
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion:	63	Resp:	202298
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.3	6.8
100	3.4	1.6	4.7





#25

Ethyl Acetate

Concen: 9.904 ppbv

RT: 2.829 min Scan# 84

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

Tgt Ion: 43 Resp: 654276

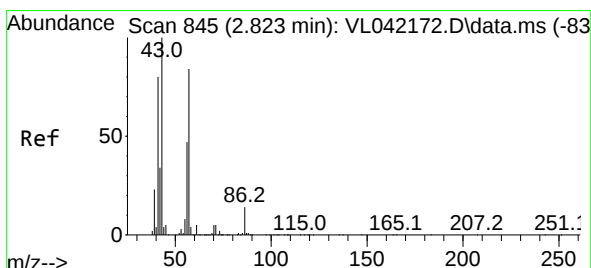
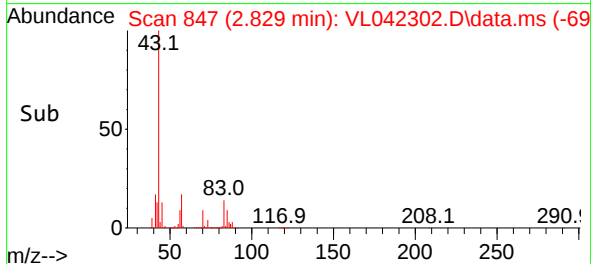
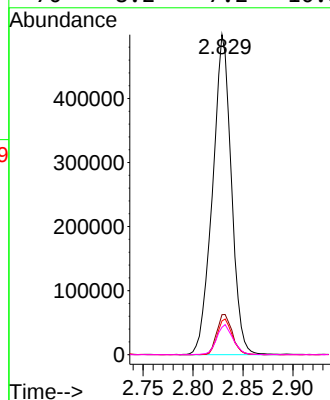
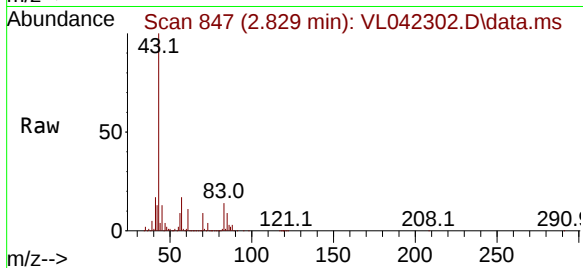
Ion Ratio Lower Upper

43 100

45 10.4 8.2 12.2

61 9.0 7.3 10.9

70 8.2 7.2 10.8



#26

Hexane

Concen: 9.587 ppbv

RT: 2.819 min Scan# 844

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Tgt Ion: 57 Resp: 244625

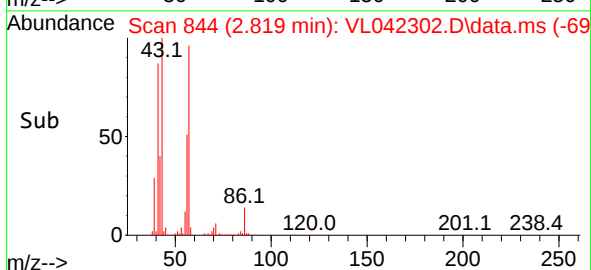
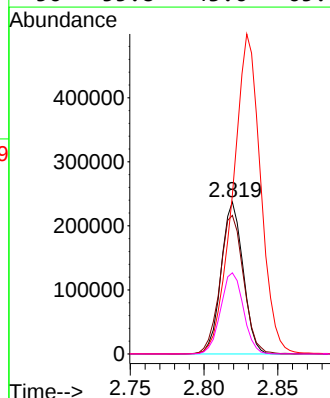
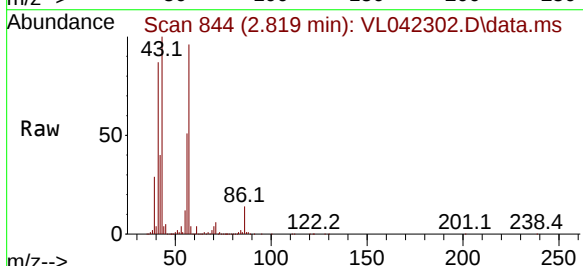
Ion Ratio Lower Upper

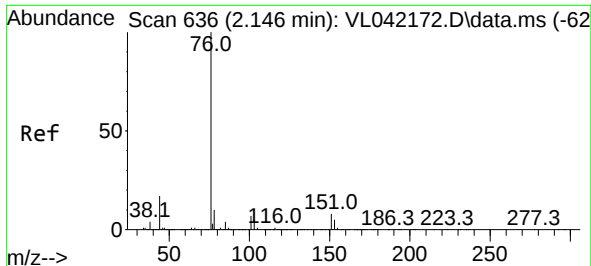
57 100

41 99.7 76.6 114.8

43 267.7 207.8 311.8

56 55.8 43.6 65.4

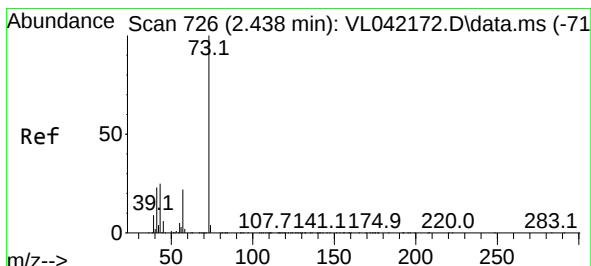
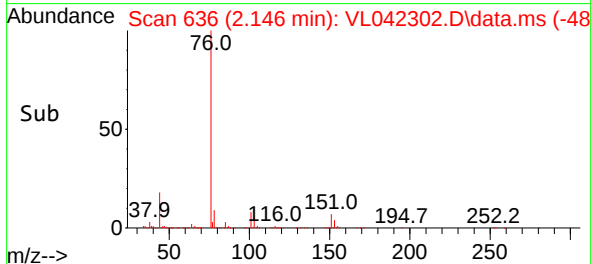
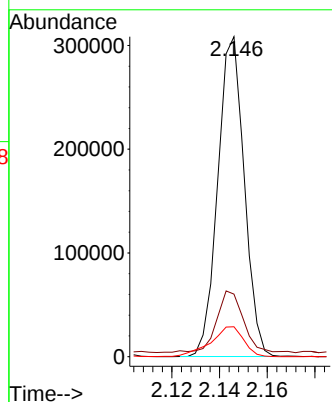
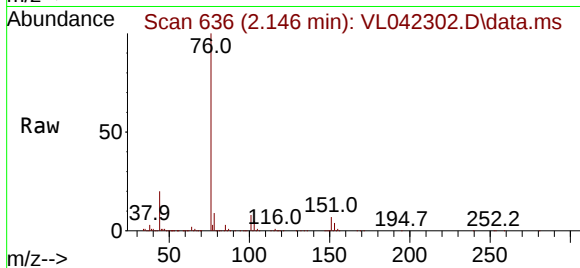




#27
Carbon Disulfide
Concen: 8.683 ppbv
RT: 2.146 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

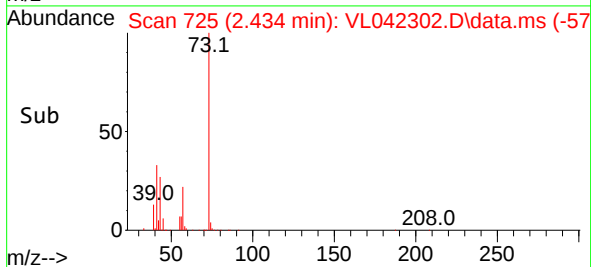
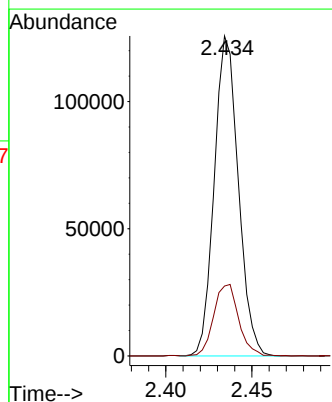
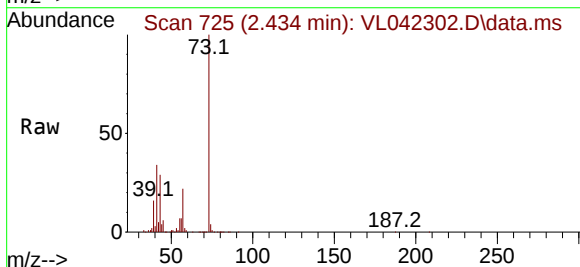
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

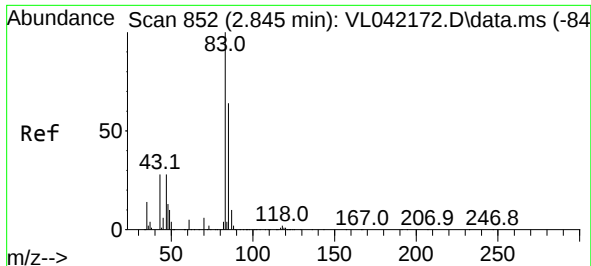
Tgt Ion: 76 Resp: 237591
Ion Ratio Lower Upper
76 100
44 22.3 14.7 22.1#
78 11.7 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 7.696 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 73 Resp: 122255
Ion Ratio Lower Upper
73 100
57 23.4 20.5 30.7





#29

Chloroform

Concen: 10.323 ppbv

RT: 2.842 min Scan# 81

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

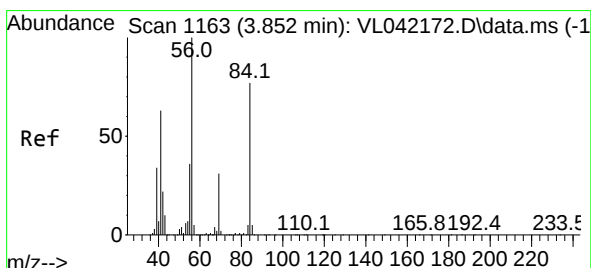
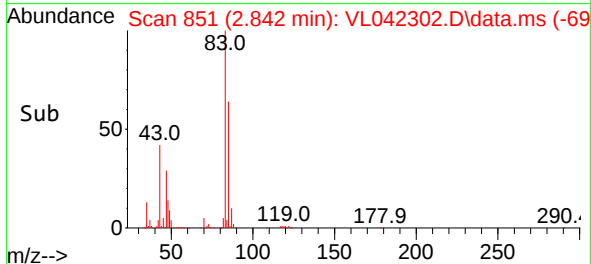
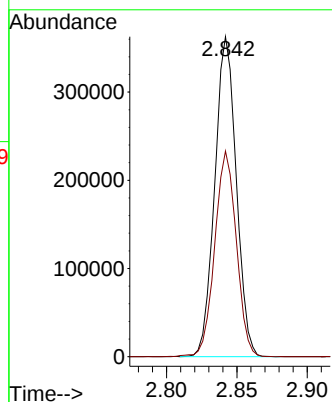
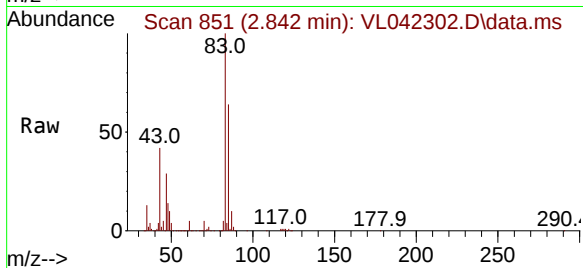
VL0410ABS01

Tgt Ion: 83 Resp: 385486

Ion Ratio Lower Upper

83 100

85 64.2 51.4 77.2



#30

Cyclohexane

Concen: 8.884 ppbv

RT: 3.845 min Scan# 1161

Delta R.T. -0.007 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

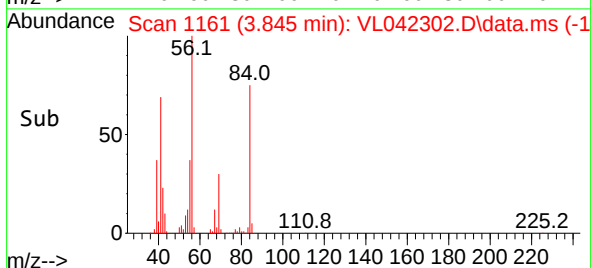
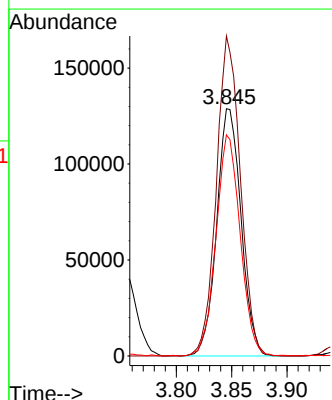
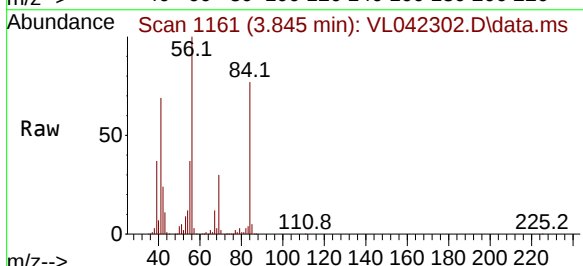
Tgt Ion: 84 Resp: 196837

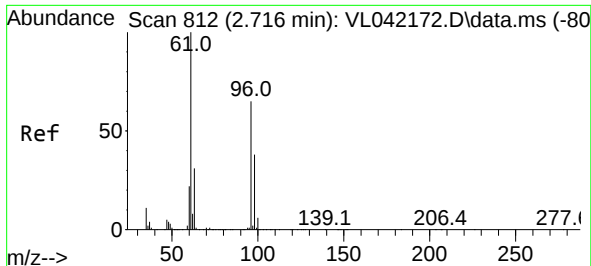
Ion Ratio Lower Upper

84 100

56 127.9 102.8 154.2

41 89.1 66.5 99.7

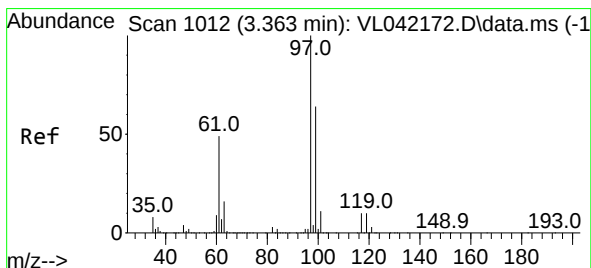
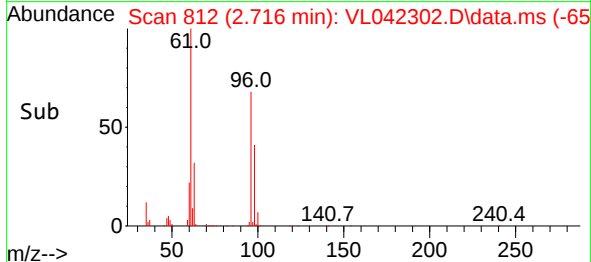
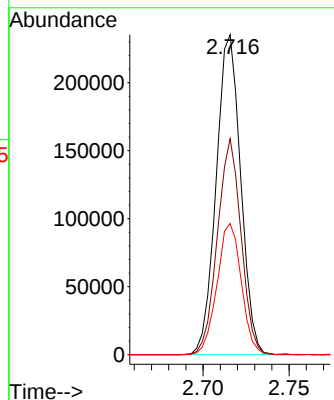
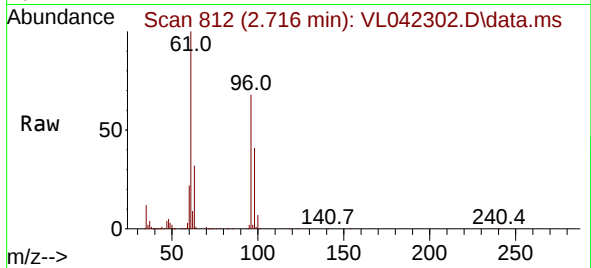




#31
 cis-1,2-Dichloroethene
 Concen: 8.996 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

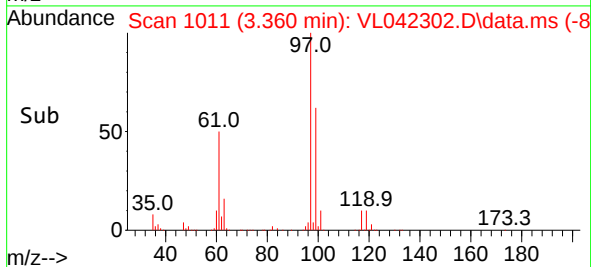
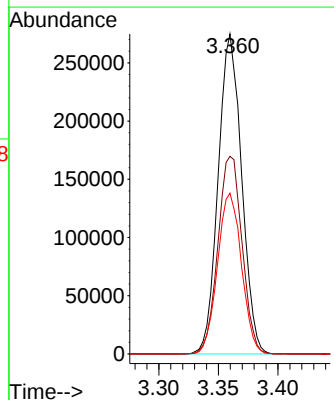
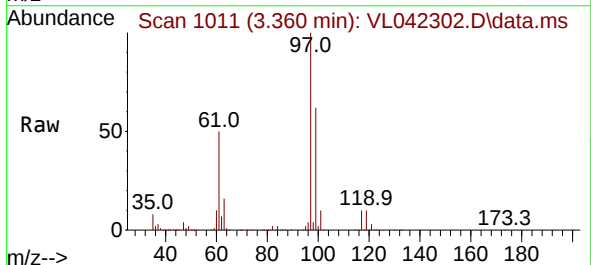
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

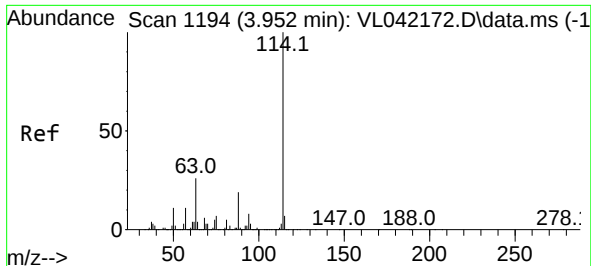
Tgt Ion: 61 Resp: 233042
 Ion Ratio Lower Upper
 61 100
 96 67.5 51.8 77.8
 98 41.0 30.6 46.0



#32
 1,1,1-Trichloroethane
 Concen: 8.777 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Tgt Ion: 97 Resp: 375253
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.5 77.3
 61 51.5 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

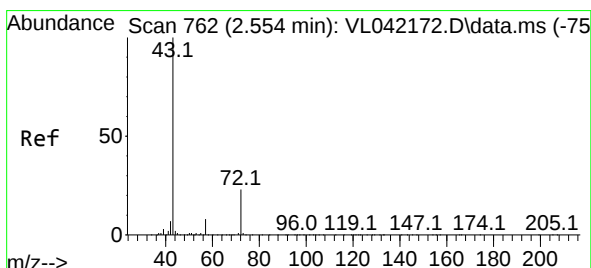
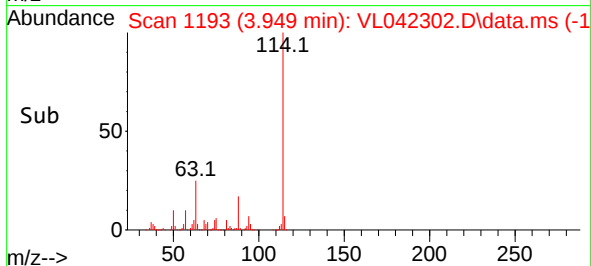
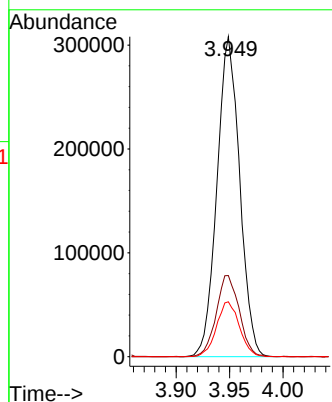
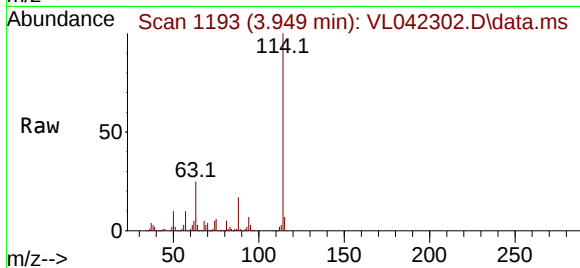
Tgt Ion:114 Resp: 454728

Ion Ratio Lower Upper

114 100

63 25.9 20.7 31.1

88 17.3 15.0 22.4



#34

2-Butanone

Concen: 11.147 ppbv

RT: 2.551 min Scan# 761

Delta R.T. -0.004 min

Lab File: VL042302.D

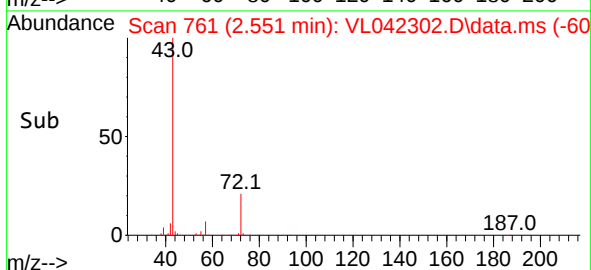
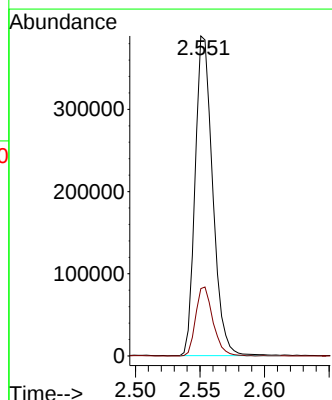
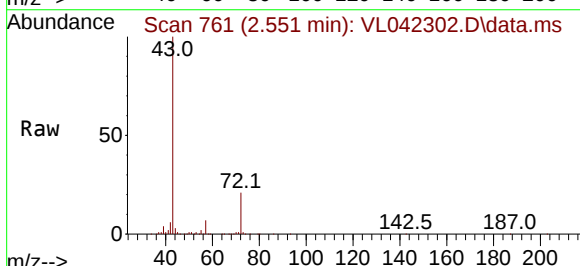
Acq: 10 Apr 2025 11:05

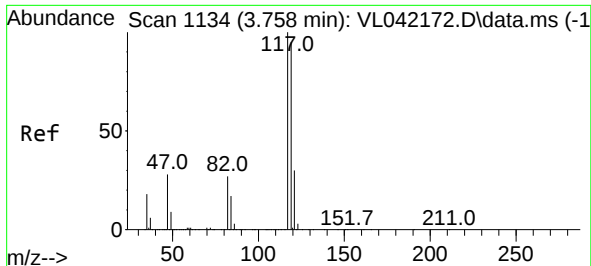
Tgt Ion: 43 Resp: 367560

Ion Ratio Lower Upper

43 100

72 21.3 18.2 27.2

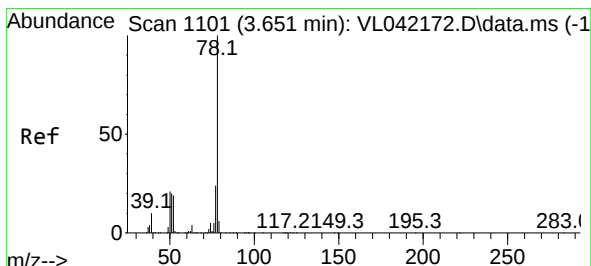
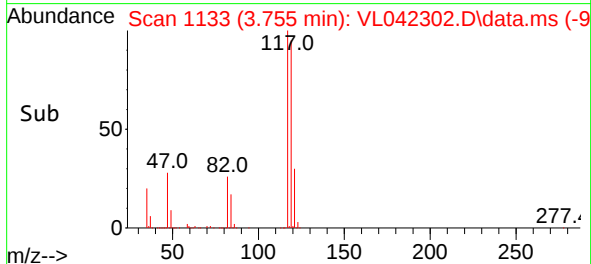
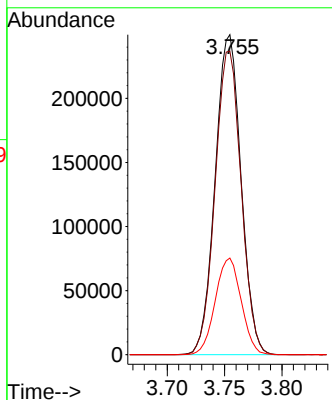
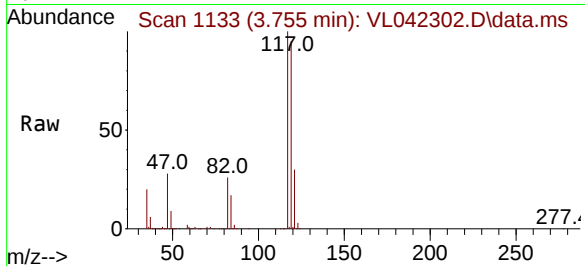




#35
Carbon Tetrachloride
Concen: 11.041 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

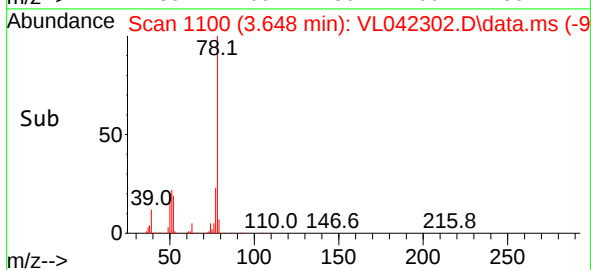
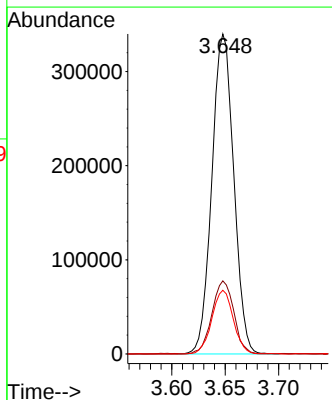
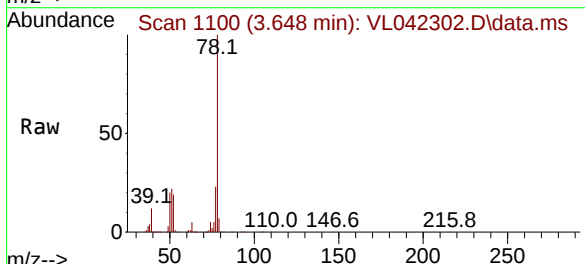
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

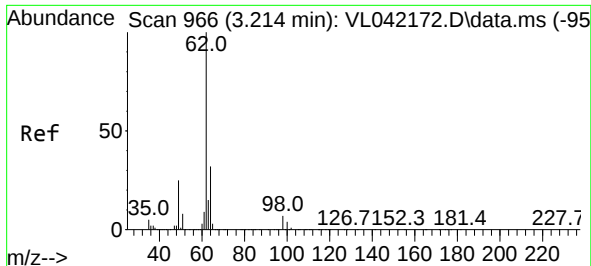
Tgt Ion:117 Resp: 392214
Ion Ratio Lower Upper
117 100
119 94.8 76.2 114.2
121 30.2 24.2 36.4



#36
Benzene
Concen: 10.753 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 78 Resp: 484758
Ion Ratio Lower Upper
78 100
77 22.8 19.1 28.7
50 19.9 16.6 24.8

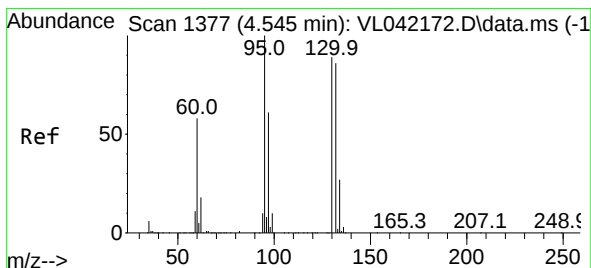
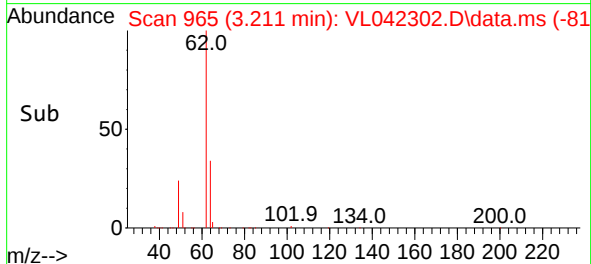
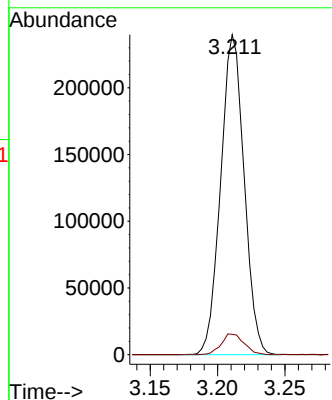
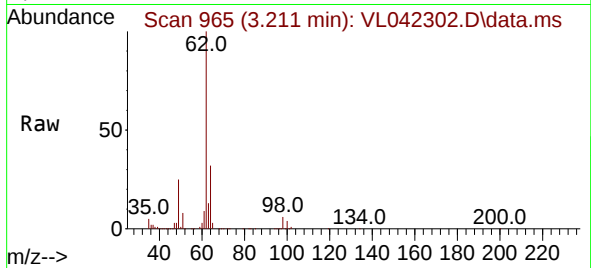




#37
1,2-Dichloroethane
Concen: 11.246 ppbv
RT: 3.211 min Scan# 965
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

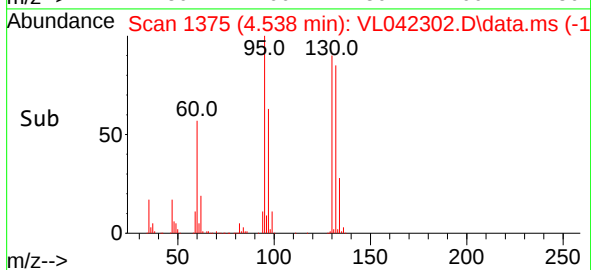
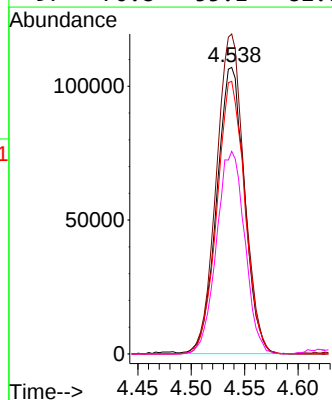
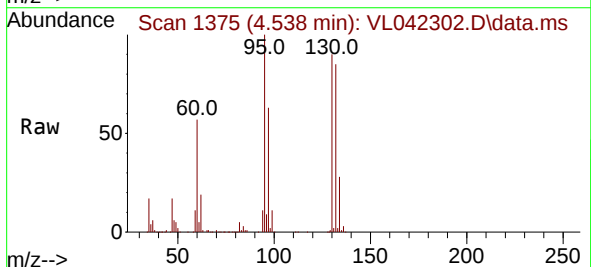
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

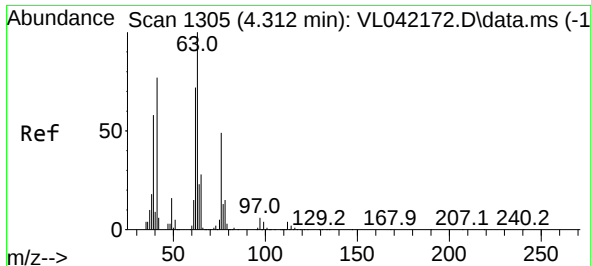
Tgt Ion: 62 Resp: 290241
Ion Ratio Lower Upper
62 100
98 6.4 5.4 8.2



#38
Trichloroethene
Concen: 10.288 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion:130 Resp: 193516
Ion Ratio Lower Upper
130 100
95 111.5 89.8 134.8
132 95.2 77.4 116.2
97 70.8 55.1 82.7





#39

1,2-Dichloropropane

Concen: 10.868 ppbv

RT: 4.305 min Scan# 1

Delta R.T. -0.007 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

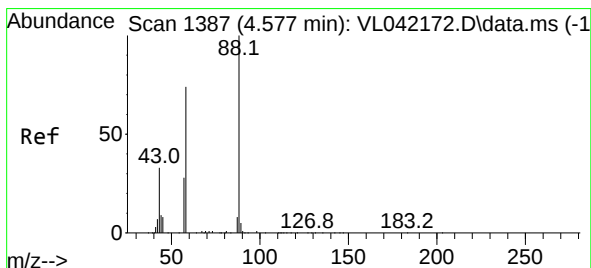
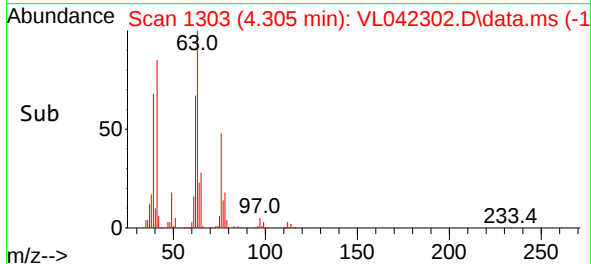
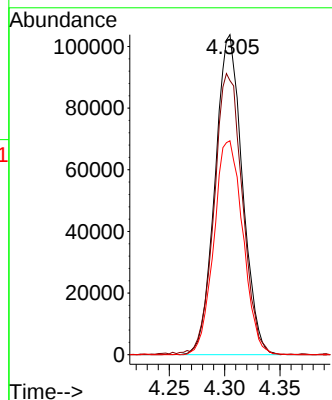
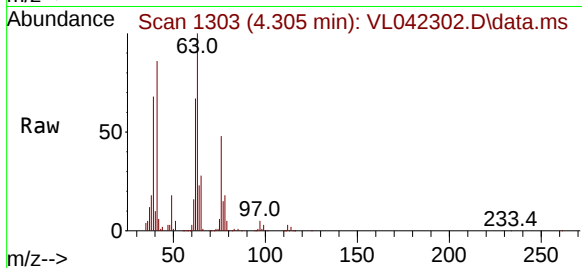
Tgt Ion: 63 Resp: 178422

Ion Ratio Lower Upper

63 100

41 85.5 61.7 92.5

62 66.8 57.6 86.4



#40

1,4-Dioxane

Concen: 9.378 ppbv

RT: 4.570 min Scan# 1385

Delta R.T. -0.007 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Tgt Ion: 88 Resp: 81717

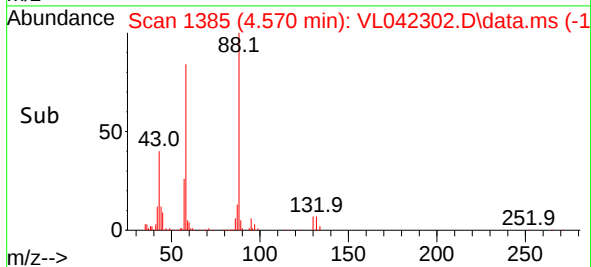
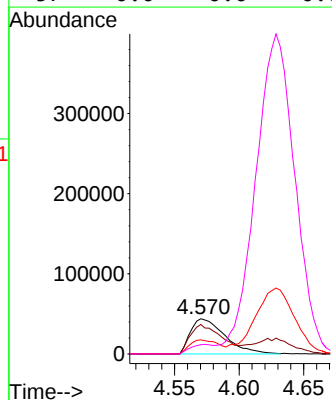
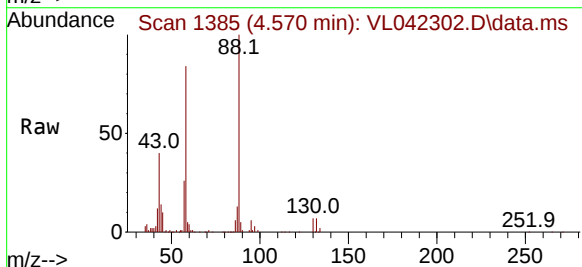
Ion Ratio Lower Upper

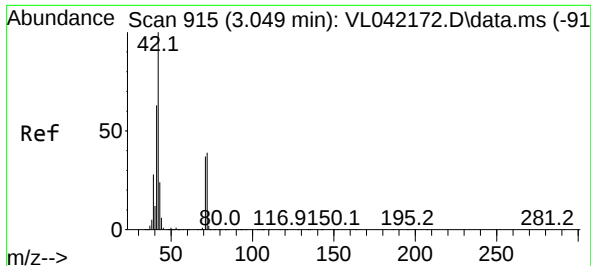
88 100

58 81.4 62.7 94.1

43 31.4 23.0 34.4

57 0.0 0.0 0.0

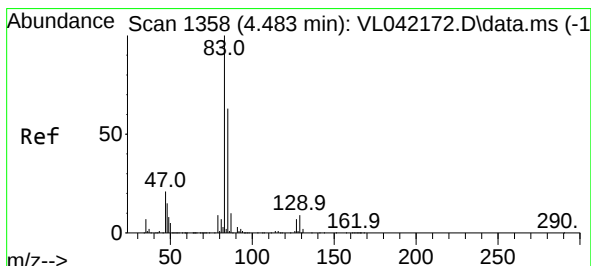
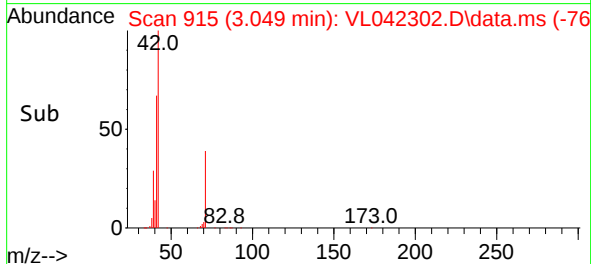
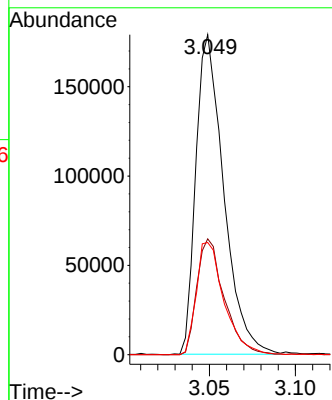
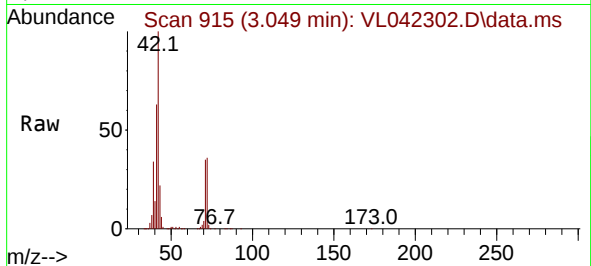




#41
Tetrahydrofuran
Concen: 10.601 ppbv
RT: 3.049 min Scan# 915
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

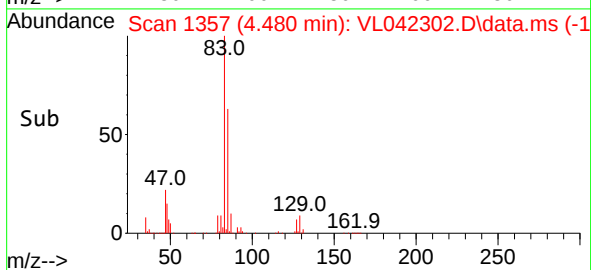
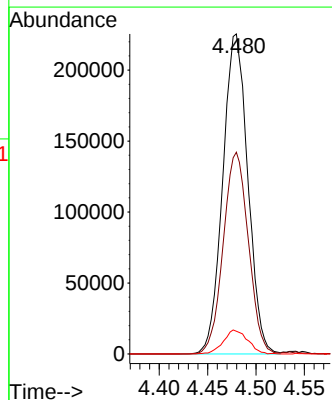
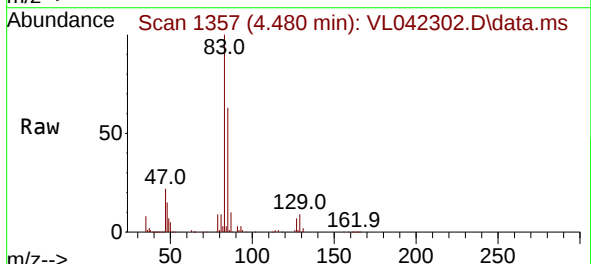
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

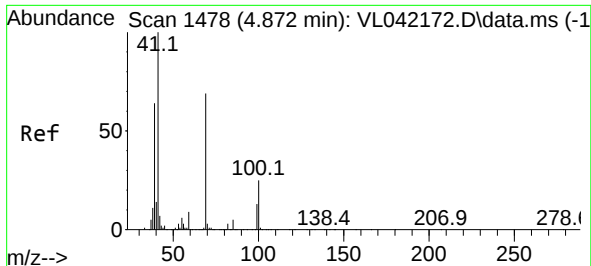
Tgt Ion: 42 Resp: 201299
Ion Ratio Lower Upper
42 100
72 35.7 31.4 47.0
71 35.1 30.2 45.4



#42
Bromodichloromethane
Concen: 11.416 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 83 Resp: 406194
Ion Ratio Lower Upper
83 100
85 63.1 50.5 75.7
127 7.1 5.9 8.9

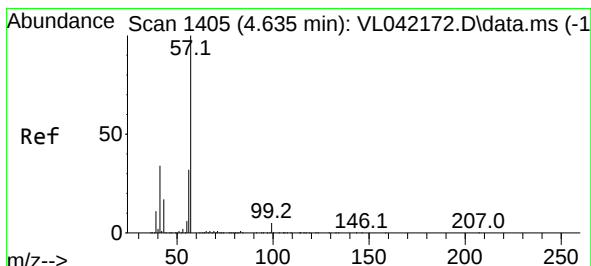
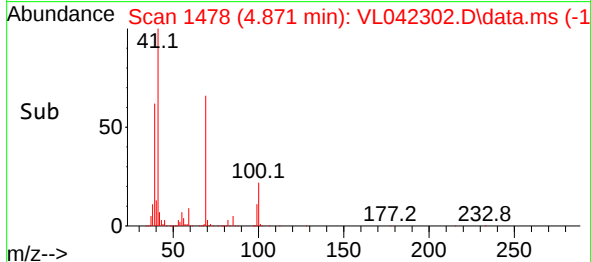
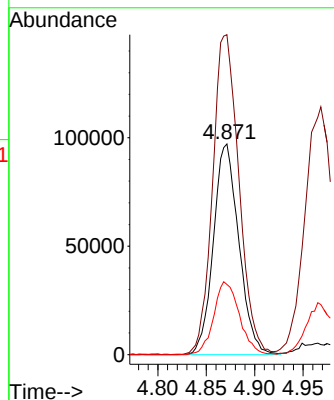
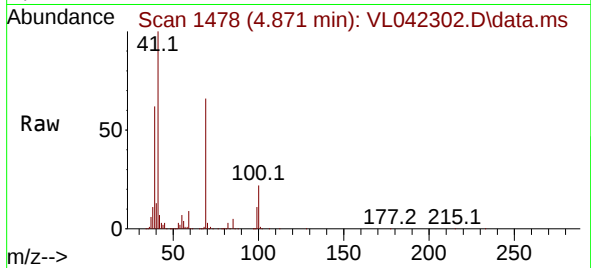




#43
Methyl Methacrylate
Concen: 9.315 ppbv
RT: 4.871 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

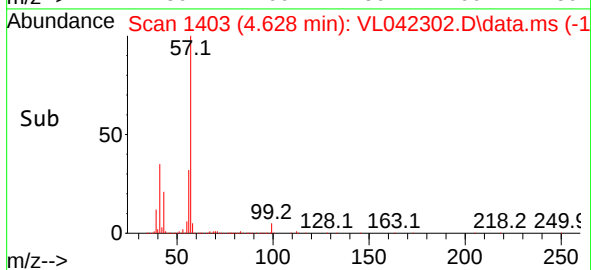
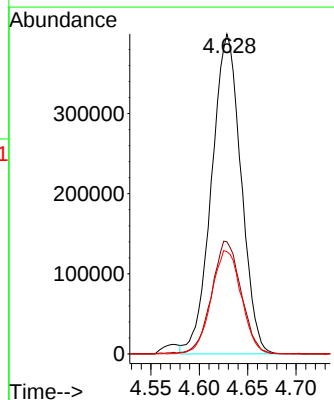
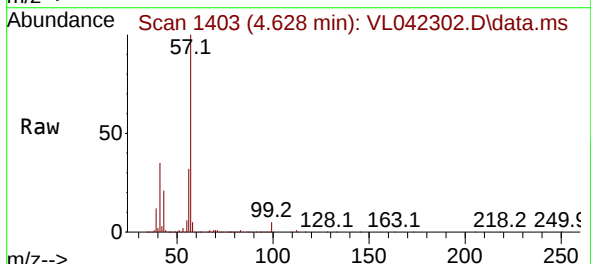
Instrument :
MSVOA_1
ClientSampleId :
VL0410ABS01

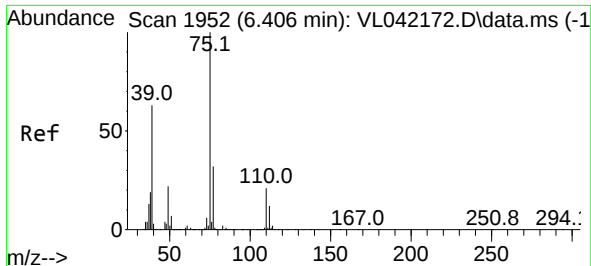
Tgt Ion: 69 Resp: 177759
Ion Ratio Lower Upper
69 100
41 156.8 123.8 185.6
100 34.9 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 11.080 ppbv
RT: 4.628 min Scan# 1403
Delta R.T. -0.007 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 57 Resp: 844094
Ion Ratio Lower Upper
57 100
41 35.3 26.8 40.2
56 33.1 25.6 38.4

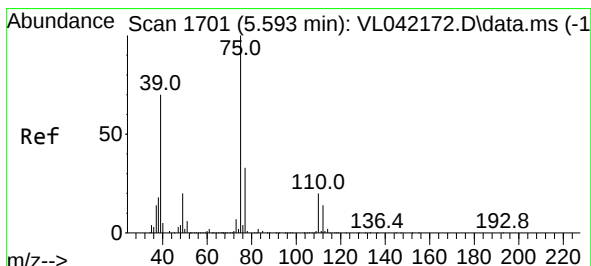
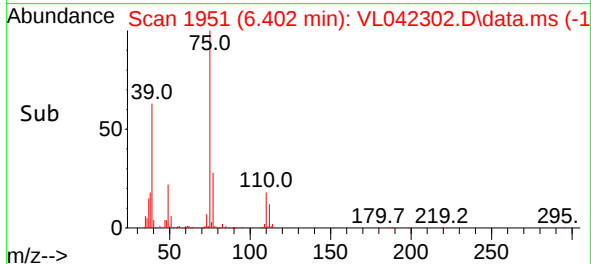
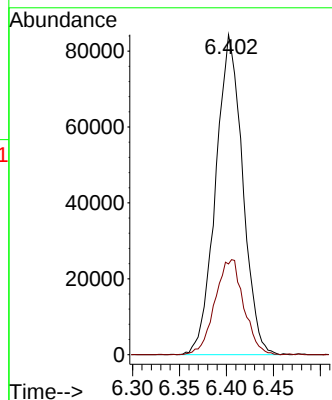
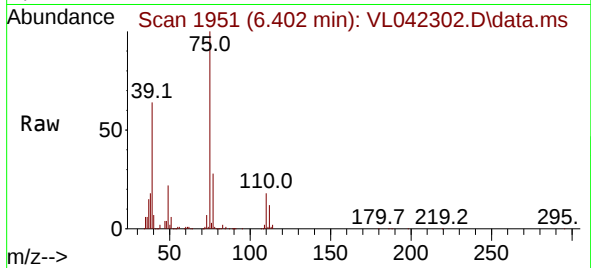




#45
 t-1,3-Dichloropropene
 Concen: 8.215 ppbv
 RT: 6.402 min Scan# 1699
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

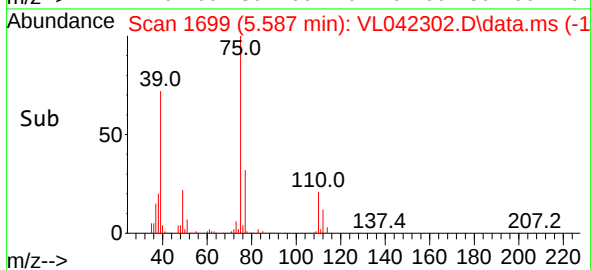
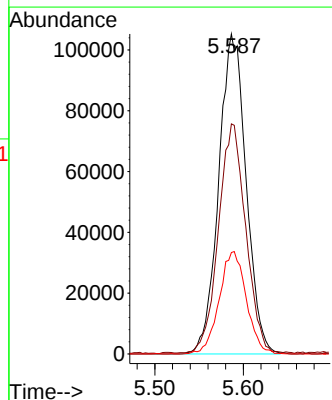
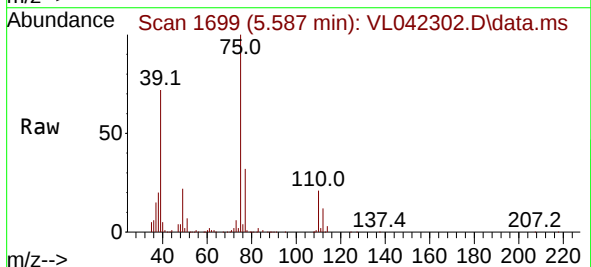
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

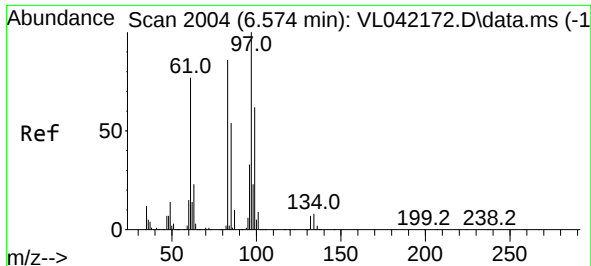
Tgt Ion: 75 Resp: 168205
 Ion Ratio Lower Upper
 75 100
 77 28.4 26.0 39.0



#46
 cis-1,3-Dichloropropene
 Concen: 9.016 ppbv
 RT: 5.587 min Scan# 1699
 Delta R.T. -0.007 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Tgt Ion: 75 Resp: 226293
 Ion Ratio Lower Upper
 75 100
 39 71.5 55.8 83.6
 77 31.7 26.0 39.0

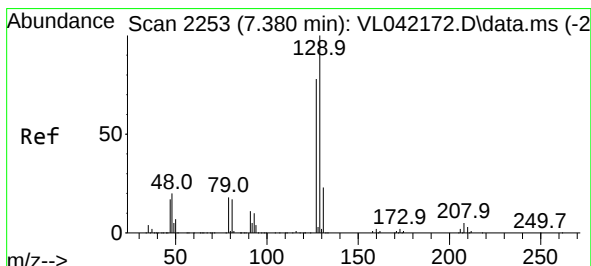
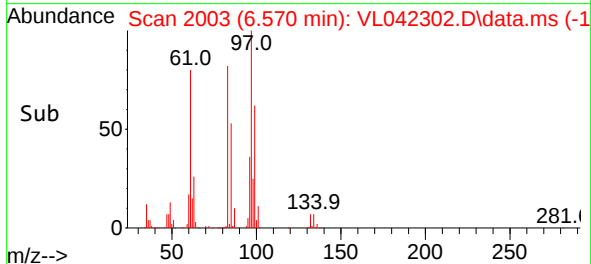
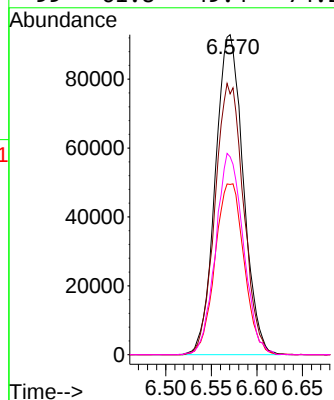
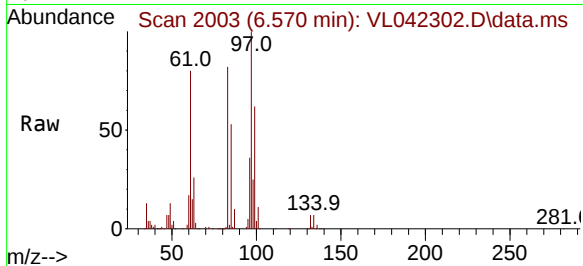




#47
1,1,2-Trichloroethane
Concen: 11.424 ppbv
RT: 6.570 min Scan# 2004
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

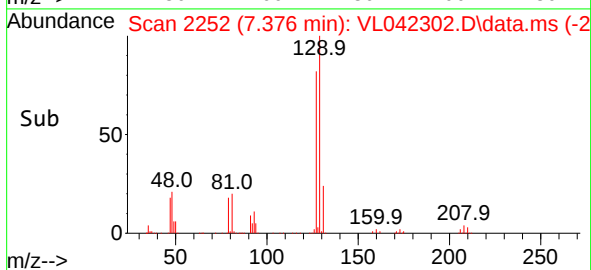
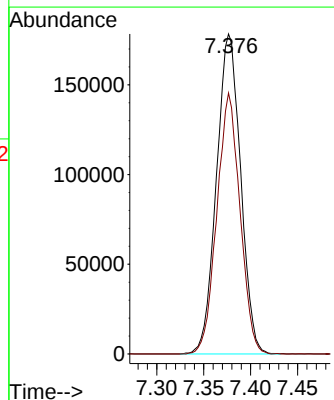
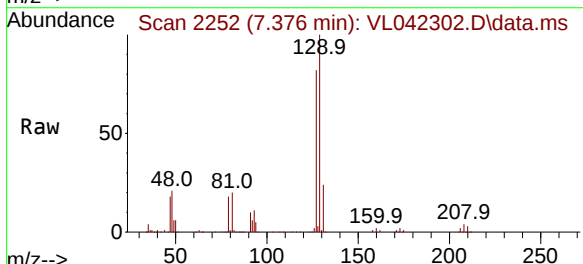
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

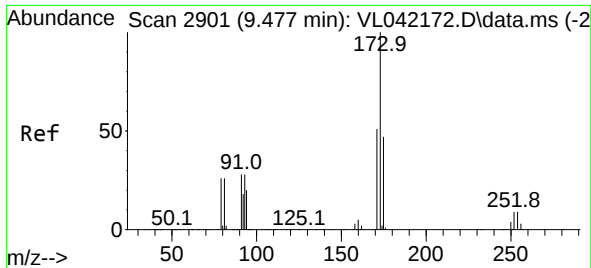
Tgt Ion: 97 Resp: 198266
Ion Ratio Lower Upper
97 100
83 81.5 69.2 103.8
85 53.2 43.1 64.7
99 61.8 49.4 74.2



#48
Dibromochloromethane
Concen: 10.841 ppbv
RT: 7.376 min Scan# 2252
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 129 Resp: 318857
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#49

Bromoform

Concen: 10.915 ppbv

RT: 9.474 min Scan# 2901

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

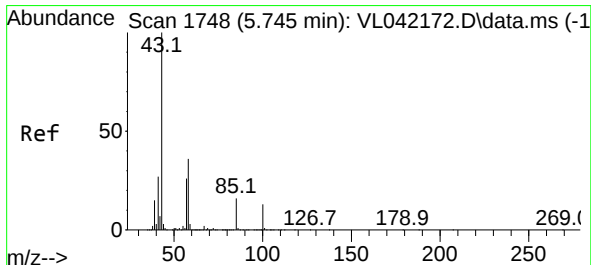
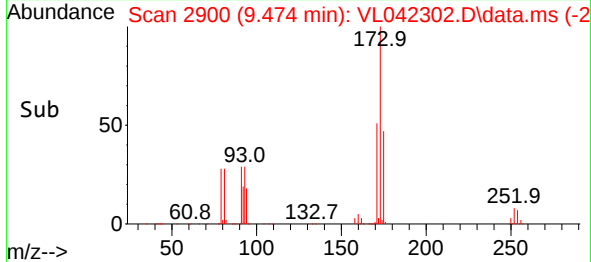
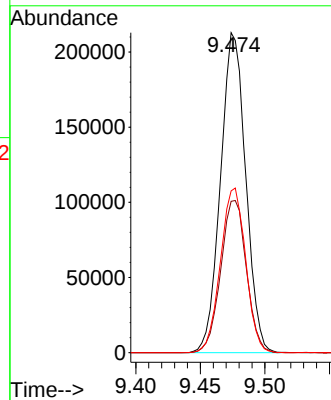
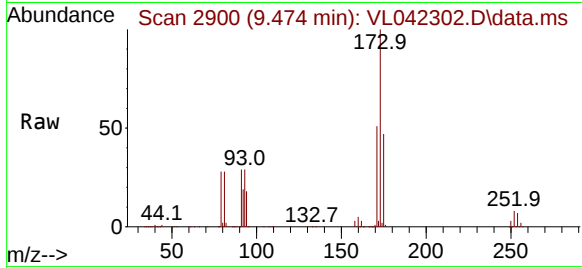
Tgt Ion:173 Resp: 288223

Ion Ratio Lower Upper

173 100

175 48.5 38.6 57.8

171 51.5 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 9.913 ppbv

RT: 5.739 min Scan# 1746

Delta R.T. -0.007 min

Lab File: VL042302.D

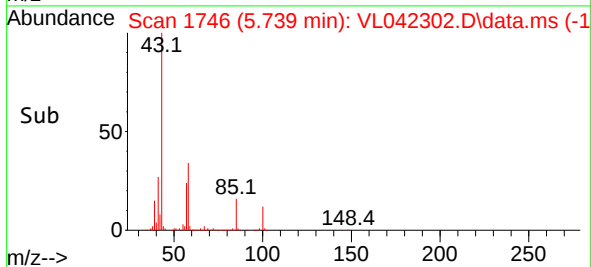
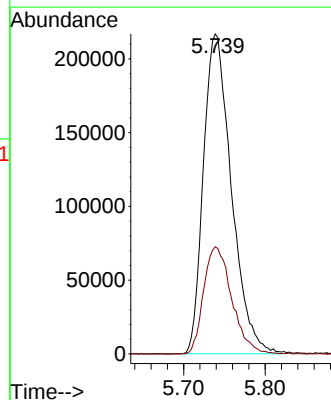
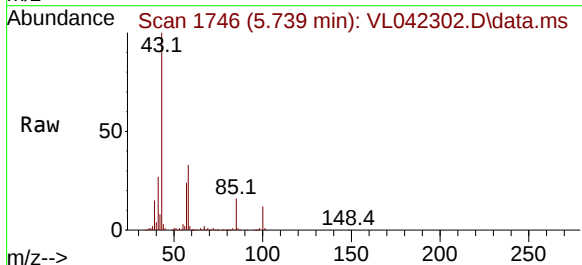
Acq: 10 Apr 2025 11:05

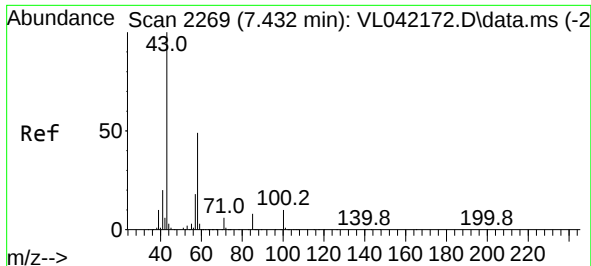
Tgt Ion: 43 Resp: 518035

Ion Ratio Lower Upper

43 100

58 33.7 29.0 43.6

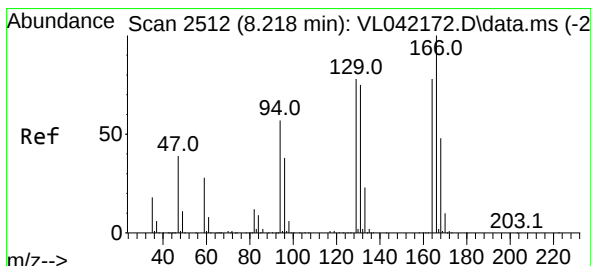
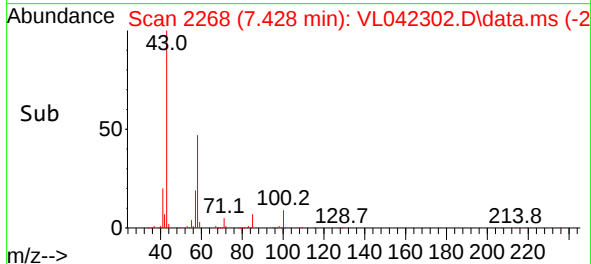
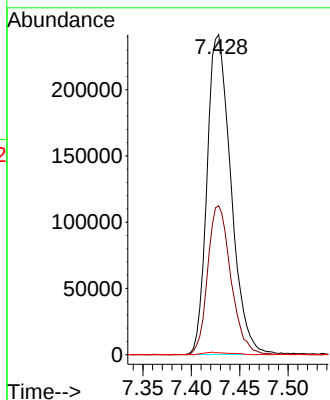
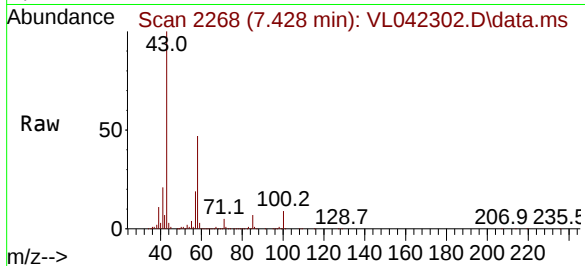




#51
2-Hexanone
Concen: 9.664 ppbv
RT: 7.428 min Scan# 211
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

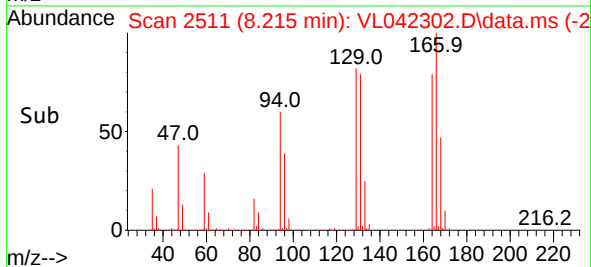
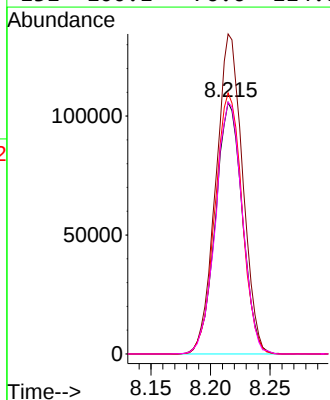
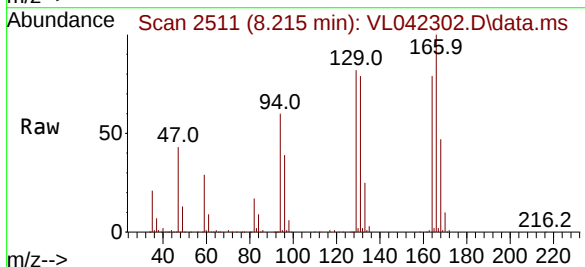
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

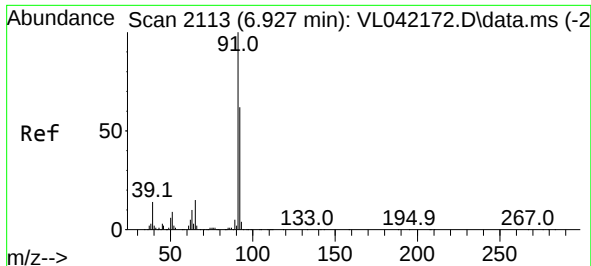
Tgt Ion: 43 Resp: 414703
Ion Ratio Lower Upper
43 100
58 45.4 39.7 59.5
98 0.9 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.248 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 164 Resp: 165334
Ion Ratio Lower Upper
164 100
166 127.2 102.5 153.7
129 103.8 79.8 119.8
131 100.1 76.6 114.8

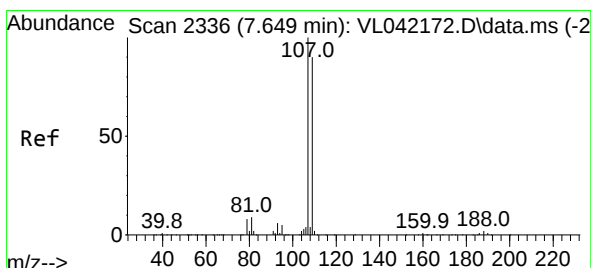
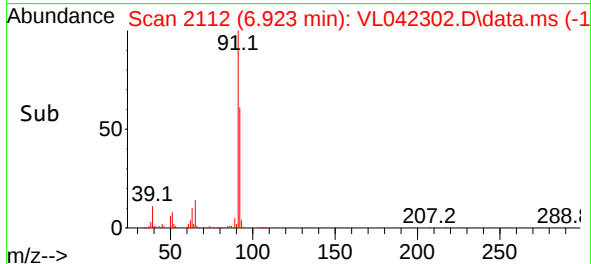
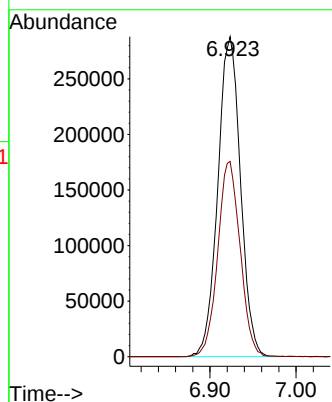
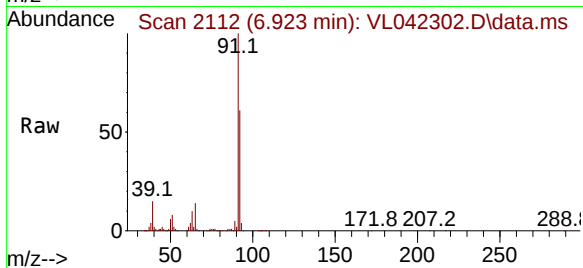




#53
Toluene
Concen: 9.877 ppbv
RT: 6.923 min Scan# 2113
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

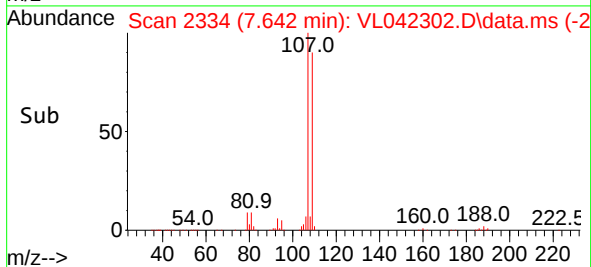
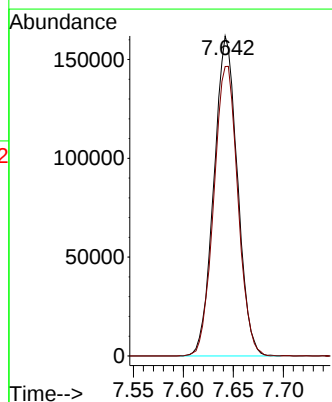
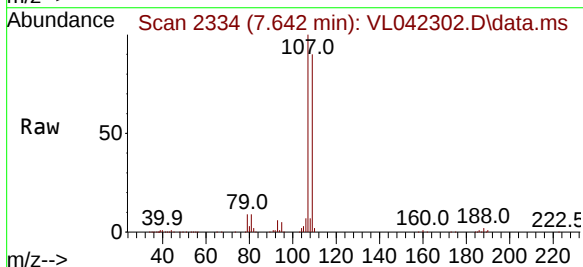
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

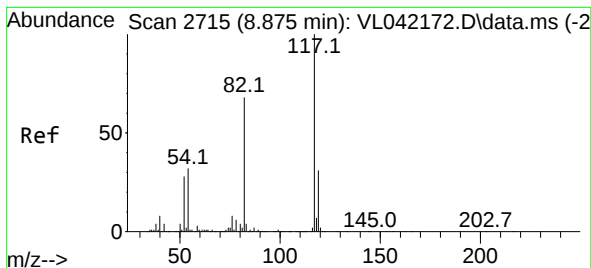
Tgt Ion: 91 Resp: 527837
Ion Ratio Lower Upper
91 100
92 60.3 48.4 72.6



#54
1,2-Dibromoethane
Concen: 10.958 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.007 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 107 Resp: 265105
Ion Ratio Lower Upper
107 100
109 90.4 72.2 108.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.872 min Scan# 2715

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

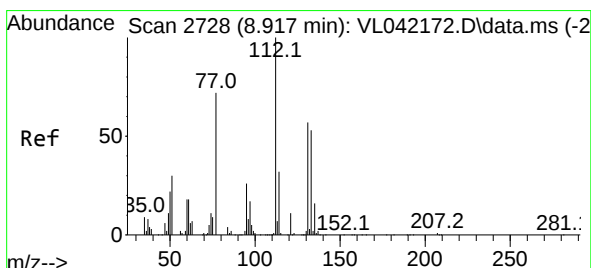
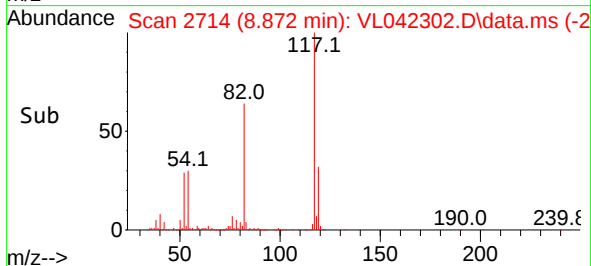
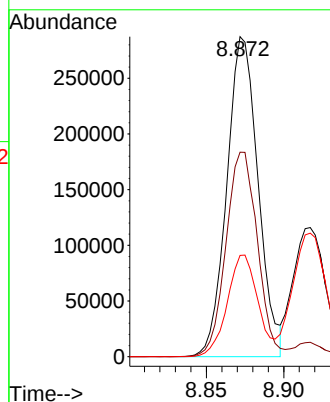
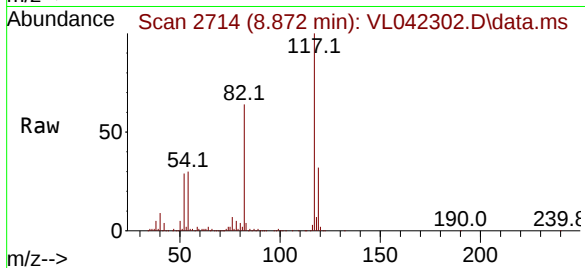
Tgt Ion:117 Resp: 404669

Ion Ratio Lower Upper

117 100

82 68.4 55.8 83.6

119 30.5 25.5 38.3



#56

1,1,1,2-Tetrachloroethane

Concen: 12.088 ppbv

RT: 8.917 min Scan# 2728

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

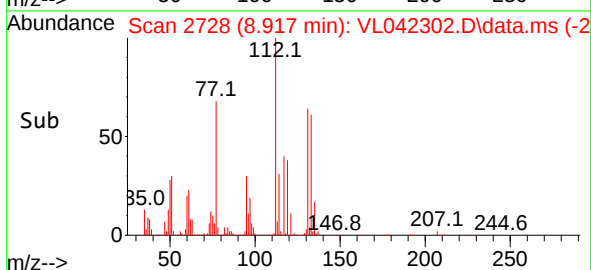
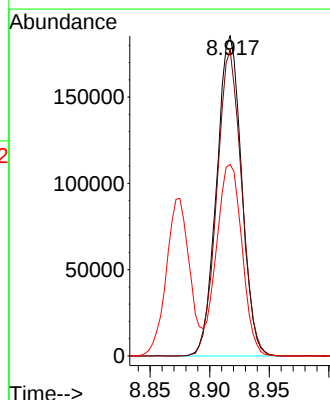
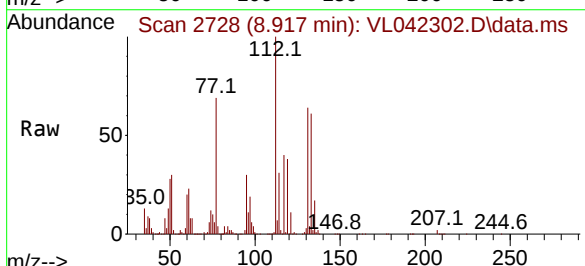
Tgt Ion:131 Resp: 269261

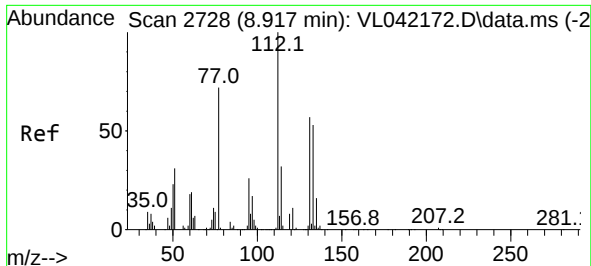
Ion Ratio Lower Upper

131 100

133 94.7 76.6 114.8

119 62.3 49.8 74.6

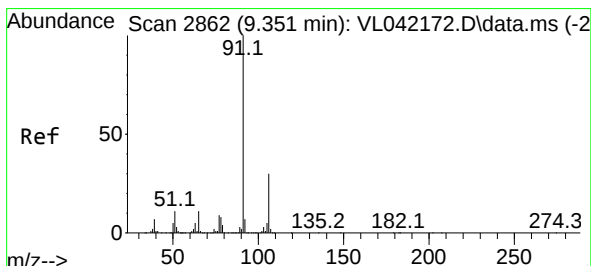
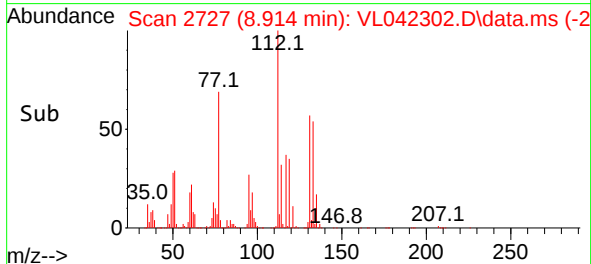
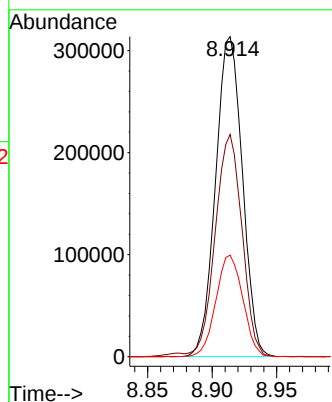
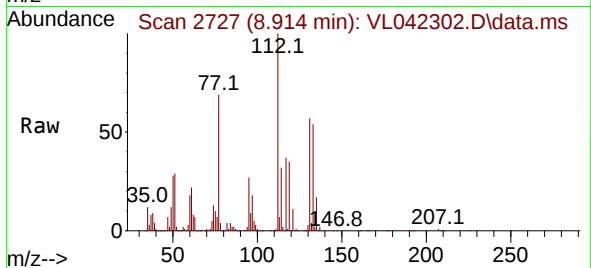




#57
Chlorobenzene
Concen: 11.805 ppbv
RT: 8.914 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

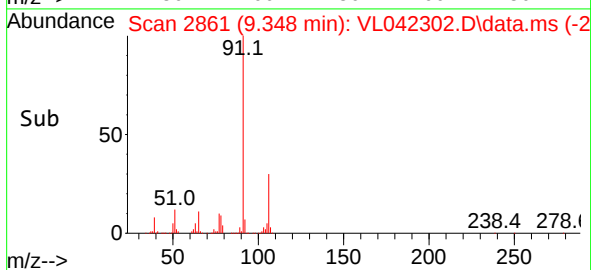
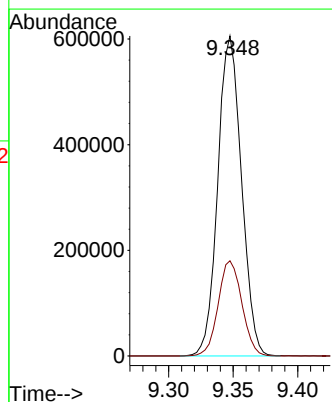
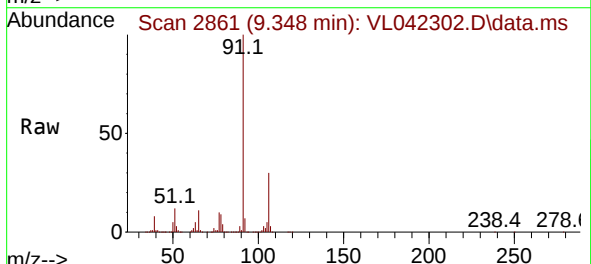
Instrument :
MSVOA_1
ClientSampleId :
VL0410ABS01

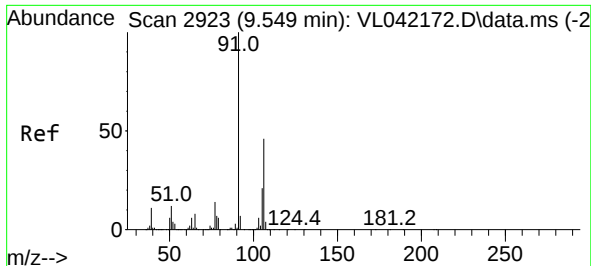
Tgt Ion:112 Resp: 453135
Ion Ratio Lower Upper
112 100
77 69.5 58.2 87.2
114 31.7 29.1 35.5



#58
Ethyl Benzene
Concen: 10.761 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 91 Resp: 773516
Ion Ratio Lower Upper
91 100
106 29.8 24.2 36.2





#59

m/p-Xylene

Concen: 10.353 ppbv

RT: 9.542 min Scan# 2923

Delta R.T. -0.007 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

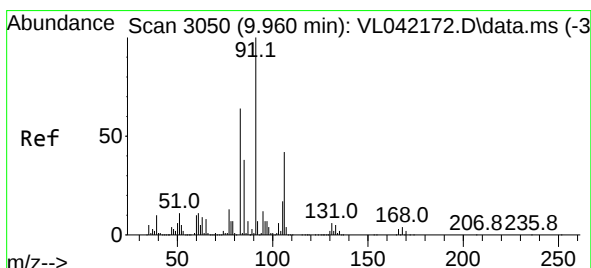
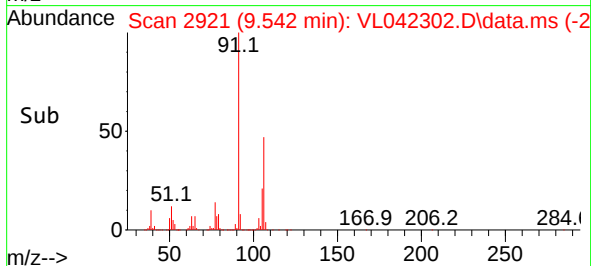
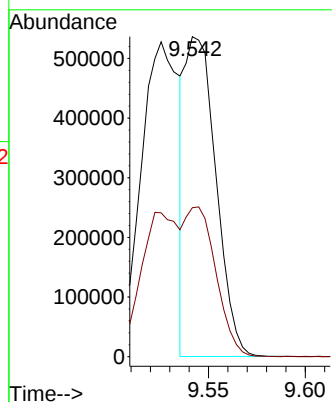
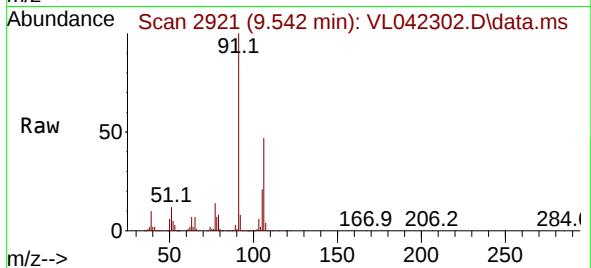
VL0410ABS01

Tgt Ion: 91 Resp: 594221

Ion Ratio Lower Upper

91 100

106 102.9 36.4 54.6#



#60

o-Xylene

Concen: 11.404 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.004 min

Lab File: VL042302.D

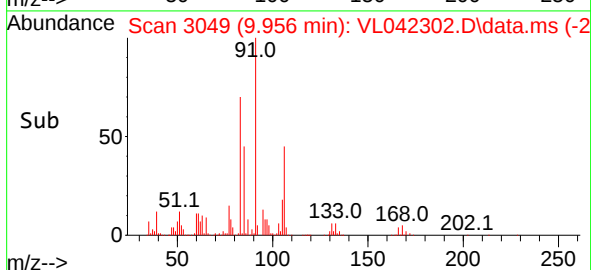
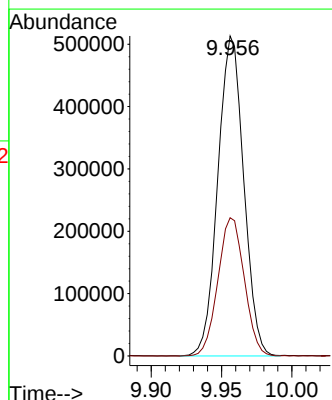
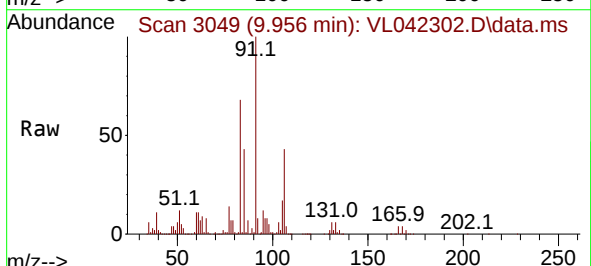
Acq: 10 Apr 2025 11:05

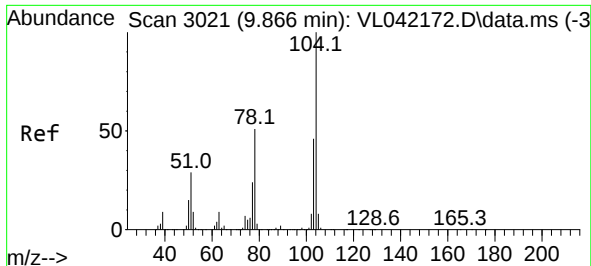
Tgt Ion: 91 Resp: 656144

Ion Ratio Lower Upper

91 100

106 44.0 20.8 62.5

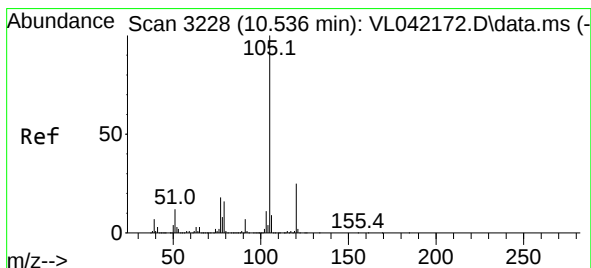
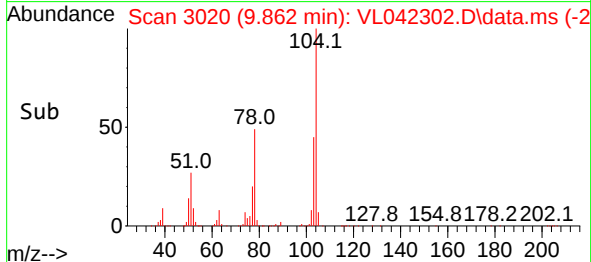
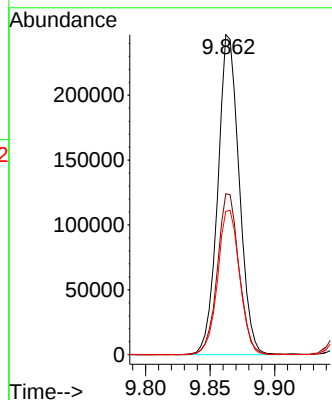
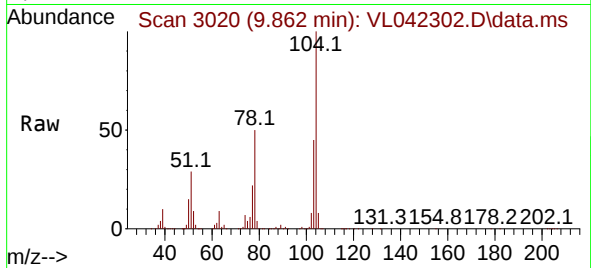




#61
Styrene
Concen: 9.968 ppbv
RT: 9.862 min Scan# 3021
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

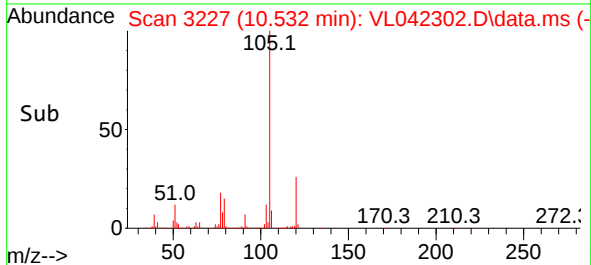
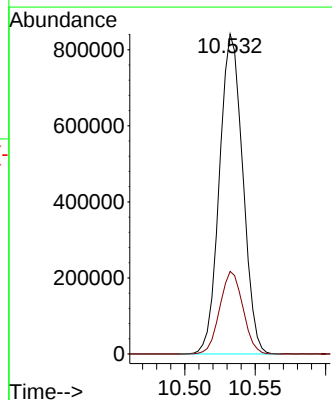
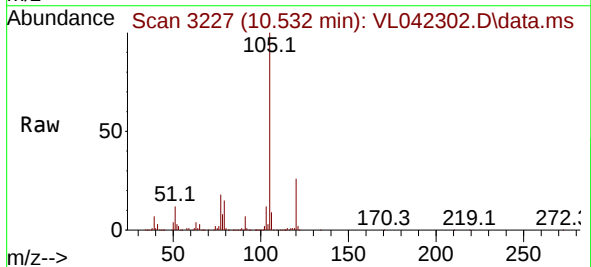
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

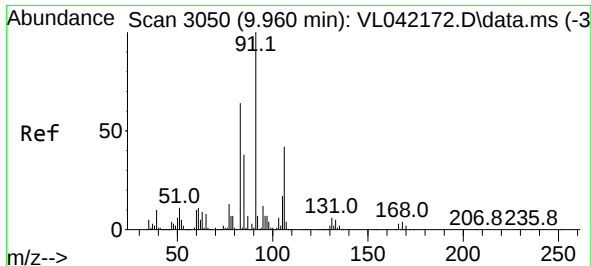
Tgt Ion:104 Resp: 283752
Ion Ratio Lower Upper
104 100
78 51.0 41.8 62.6
103 46.7 37.0 55.4



#62
Isopropylbenzene
Concen: 11.254 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion:105 Resp: 968339
Ion Ratio Lower Upper
105 100
120 25.6 19.9 29.9

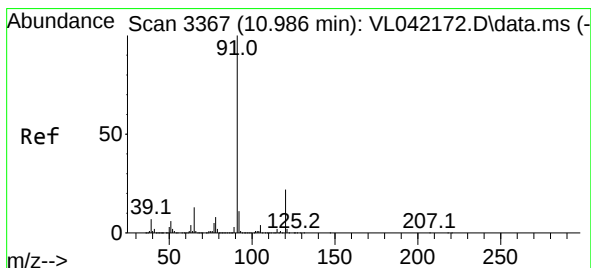
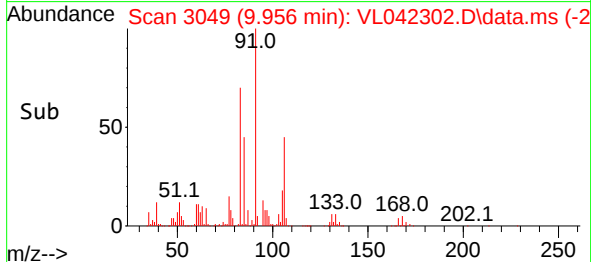
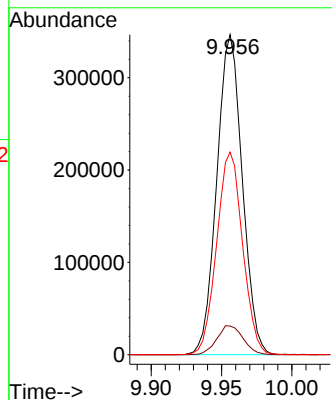
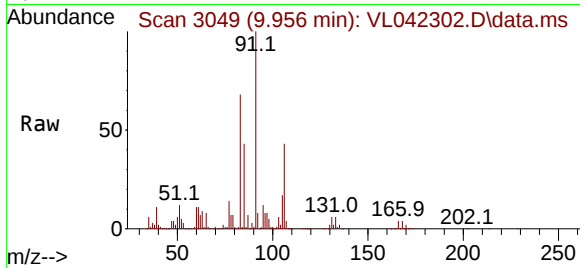




#63
1,1,2,2-Tetrachloroethane
Concen: 12.523 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

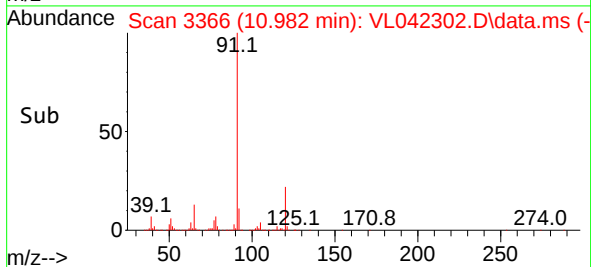
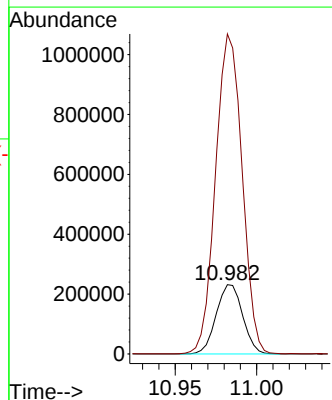
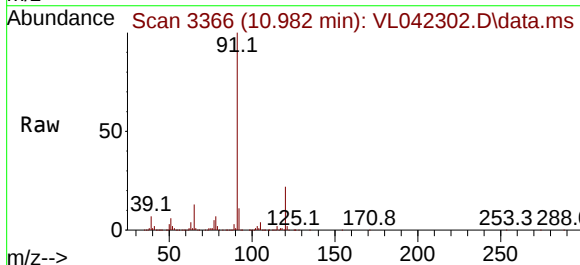
Instrument :
MSVOA_1
ClientSampleId :
VL0410ABS01

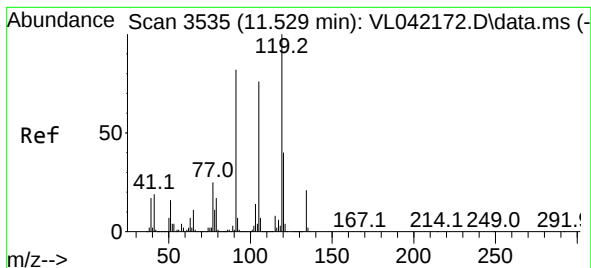
Tgt Ion: 83 Resp: 437804
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.4
85 64.3 32.5 97.5



#64
n-propylbenzene
Concen: 11.743 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 120 Resp: 260101
Ion Ratio Lower Upper
120 100
91 466.4 376.9 565.3

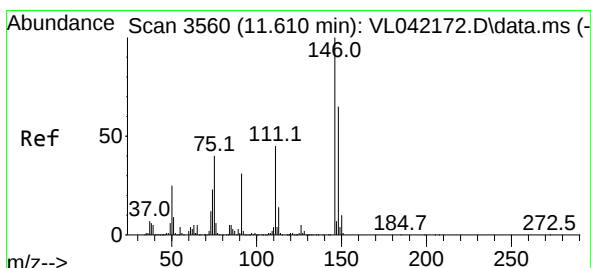
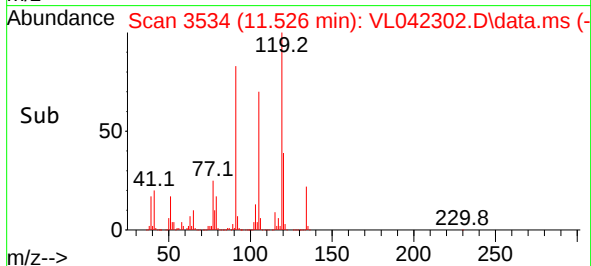
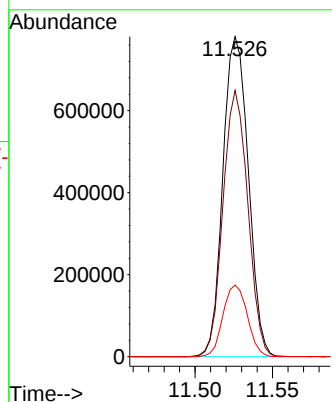
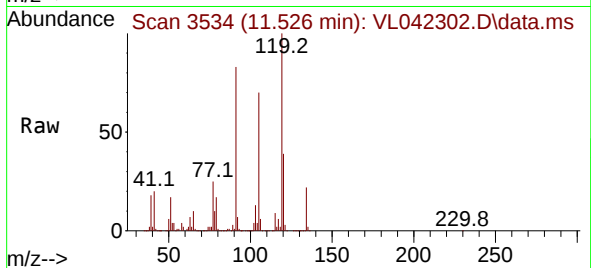




#65
tert-Butylbenzene
Concen: 11.197 ppbv
RT: 11.526 min Scan# 3535
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

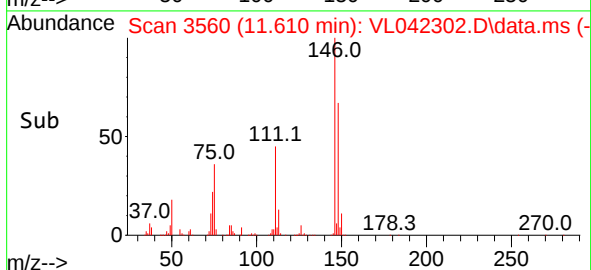
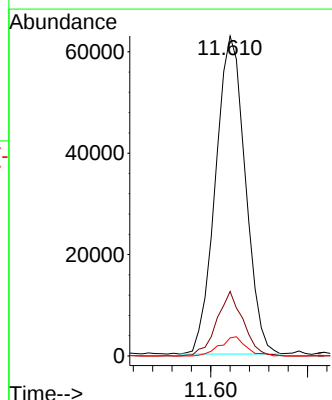
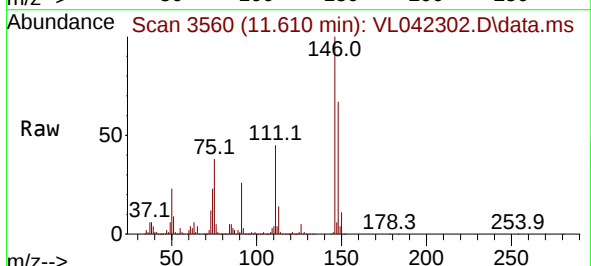
Instrument :
MSVOA_1
ClientSampleId :
VL0410ABS01

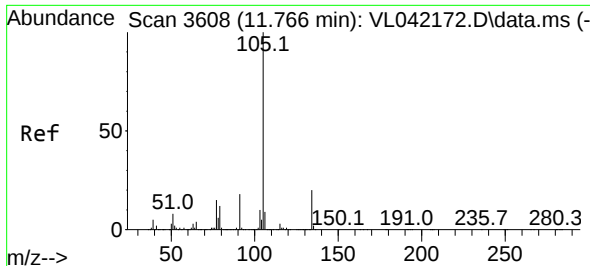
Tgt Ion:119 Resp: 891006
Ion Ratio Lower Upper
119 100
91 81.4 66.0 99.0
134 21.4 16.7 25.1



#66
Benzyl Chloride
Concen: 7.943 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 91 Resp: 67064
Ion Ratio Lower Upper
91 100
126 18.0 13.8 20.6
128 5.3 4.5 6.7

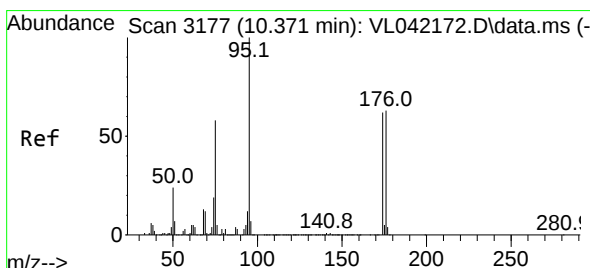
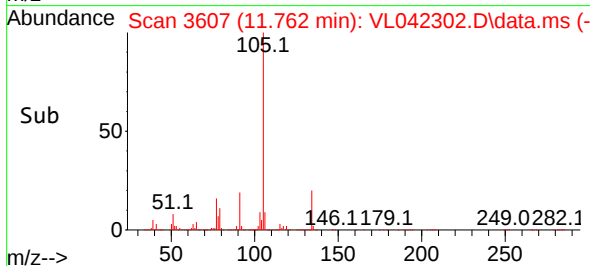
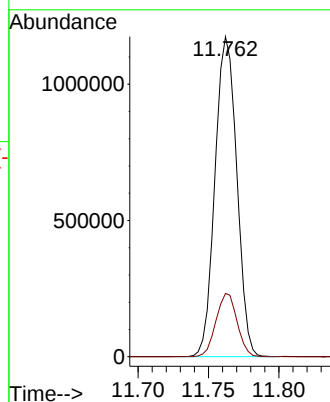
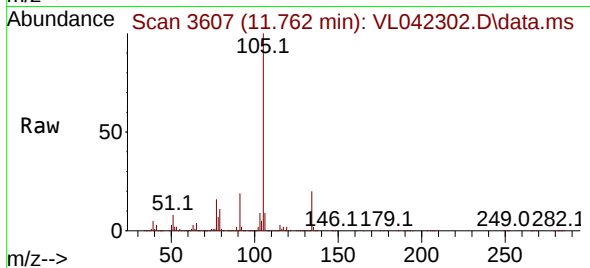




#67
 sec-Butylbenzene
 Concen: 11.452 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

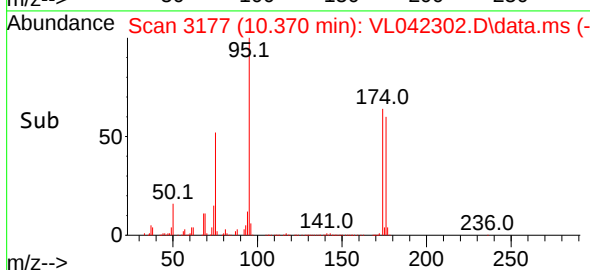
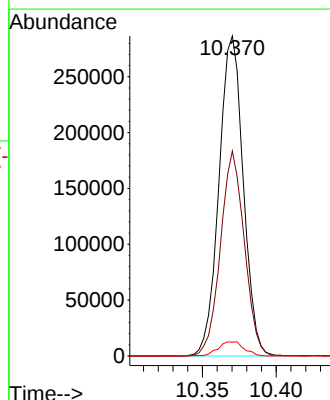
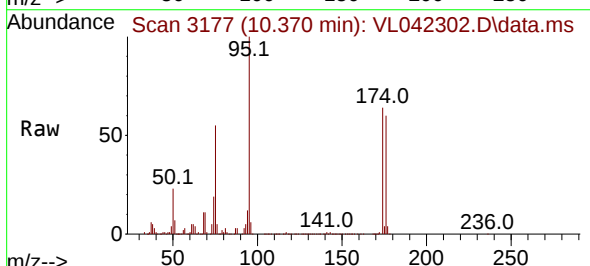
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0410ABS01

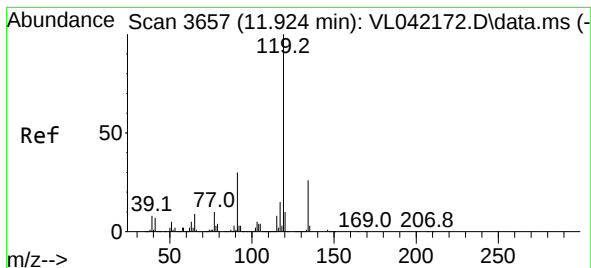
Tgt Ion:105 Resp: 1266690
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.865 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Tgt Ion: 95 Resp: 327827
 Ion Ratio Lower Upper
 95 100
 174 63.2 50.6 76.0
 175 4.8 3.8 5.6

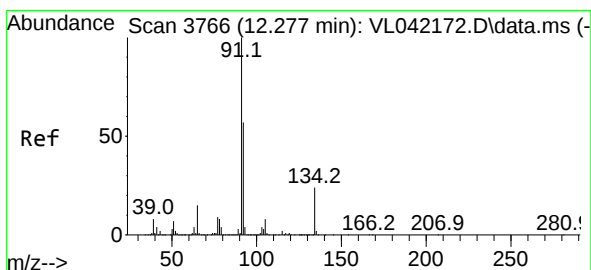
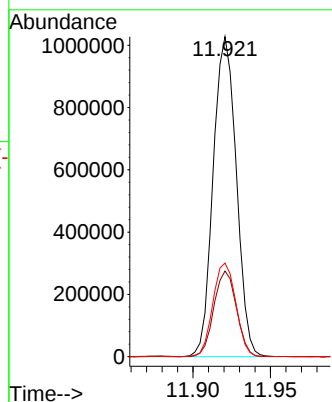
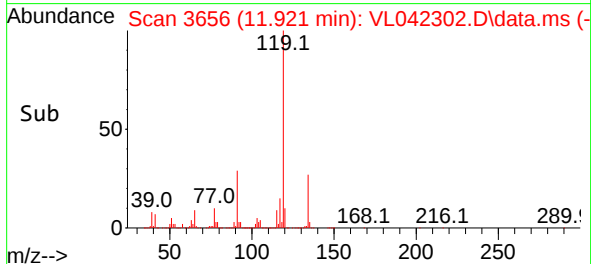
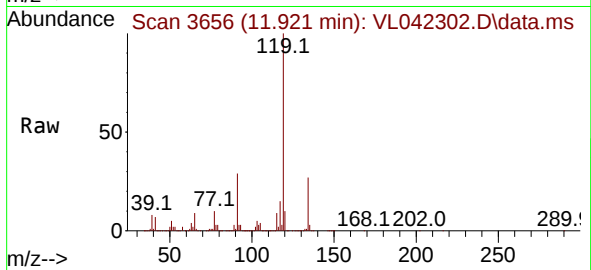




#69
 p-Isopropyltoluene
 Concen: 11.183 ppbv
 RT: 11.921 min Scan# 3656
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

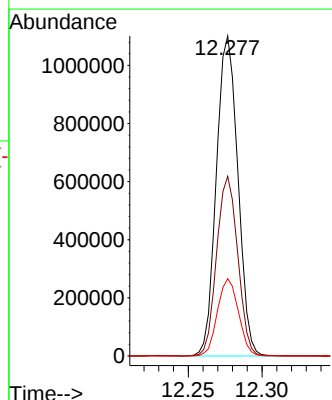
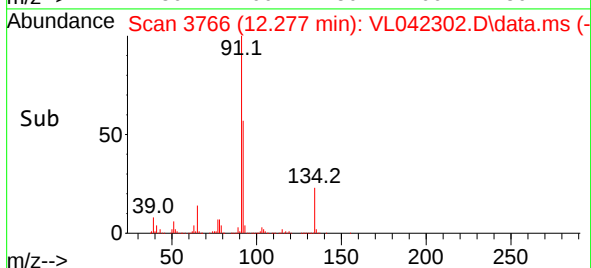
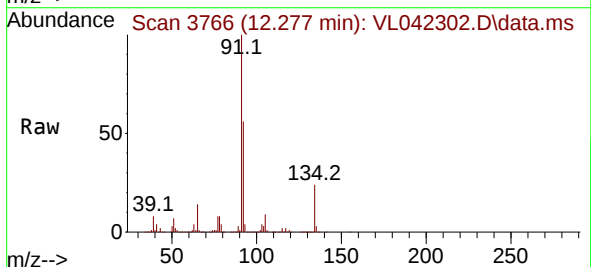
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

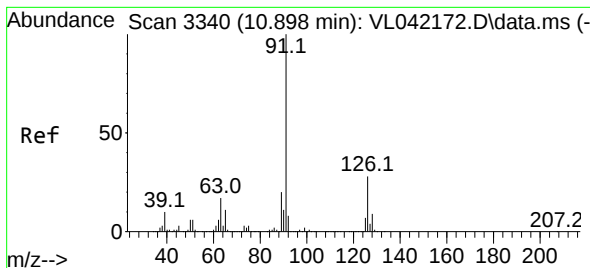
Tgt Ion:119 Resp: 1065111
 Ion Ratio Lower Upper
 119 100
 134 26.3 20.4 30.6
 91 29.2 23.7 35.5



#70
 n-Butylbenzene
 Concen: 11.471 ppbv
 RT: 12.277 min Scan# 3766
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Tgt Ion: 91 Resp: 1117359
 Ion Ratio Lower Upper
 91 100
 92 55.2 44.9 67.3
 134 23.6 19.2 28.8

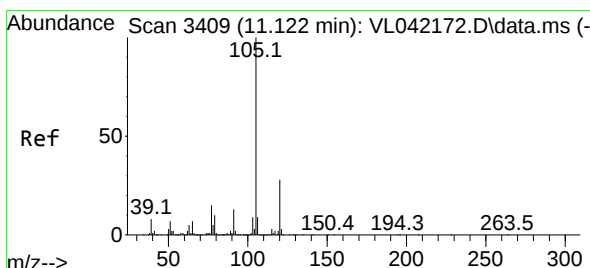
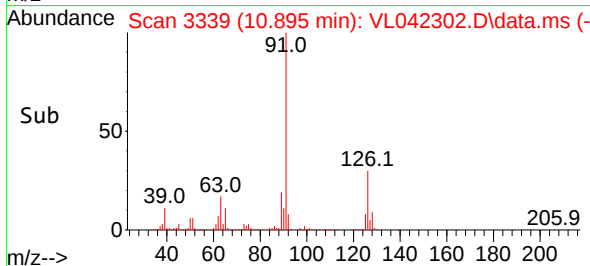
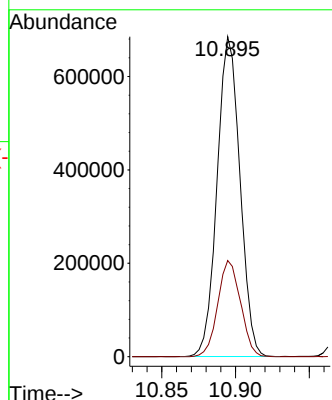
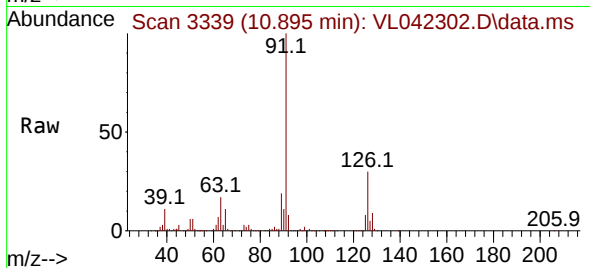




#71
2-Chlorotoluene
Concen: 11.057 ppbv
RT: 10.895 min Scan# 31
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

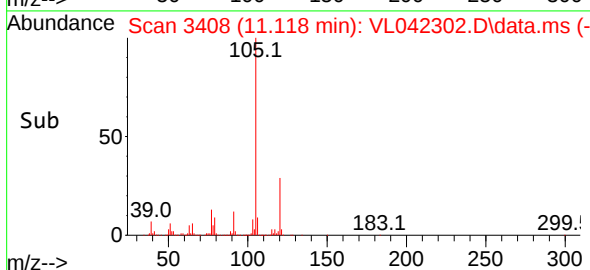
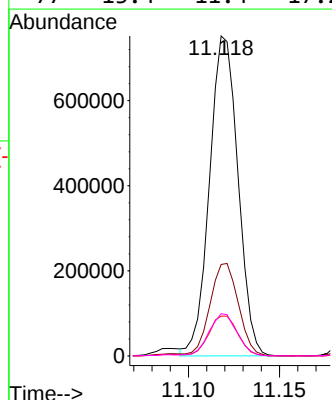
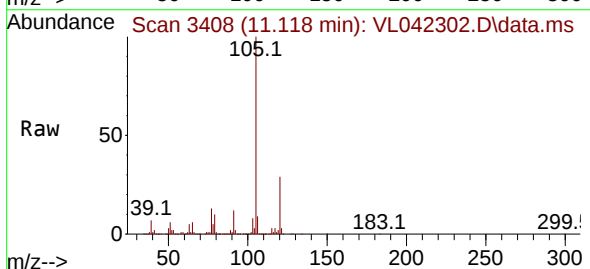
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

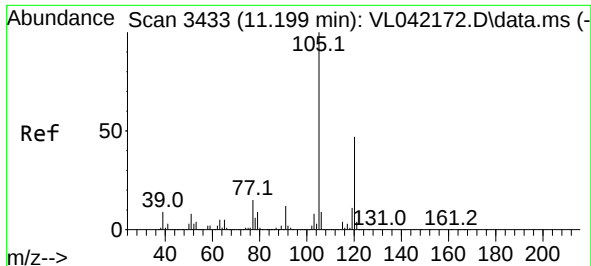
Tgt Ion: 91 Resp: 738389
Ion Ratio Lower Upper
91 100
126 29.9 11.6 46.4



#72
4-Ethyltoluene
Concen: 11.431 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 105 Resp: 818929
Ion Ratio Lower Upper
105 100
120 29.5 23.4 35.0
91 13.3 10.3 15.5
77 13.4 11.4 17.2

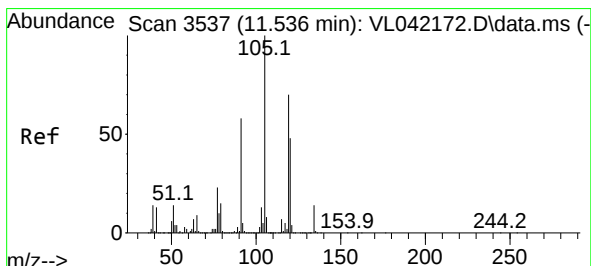
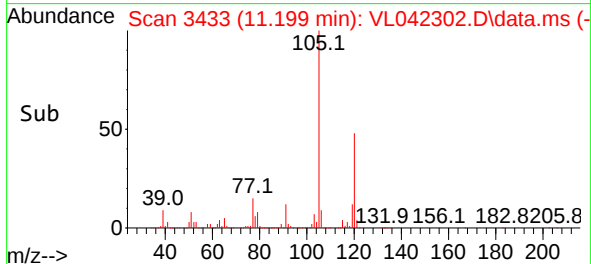
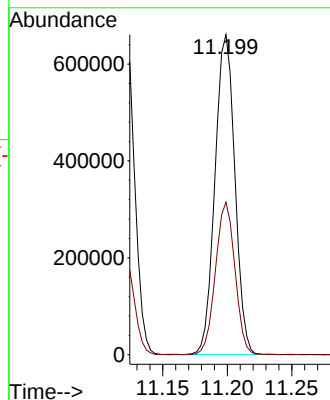
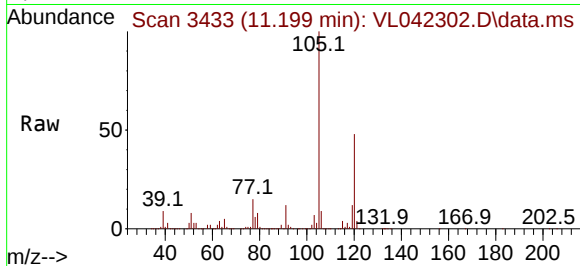




#73
 1,3,5-Trimethylbenzene
 Concen: 11.273 ppbv
 RT: 11.199 min Scan# 3433
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

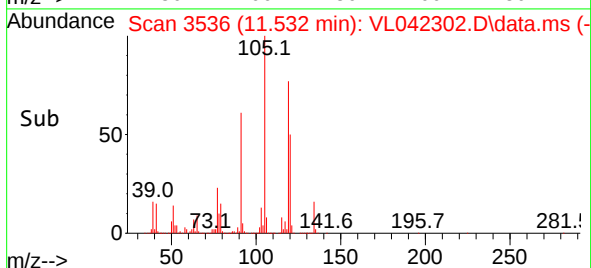
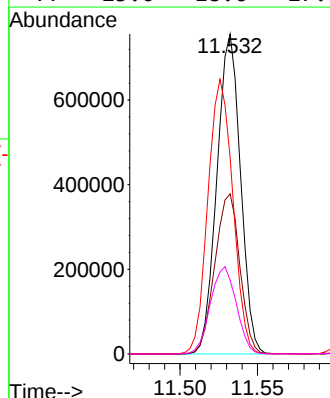
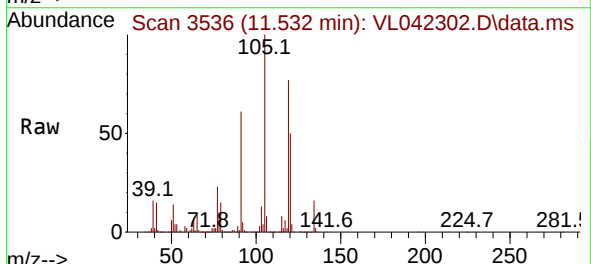
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0410ABS01

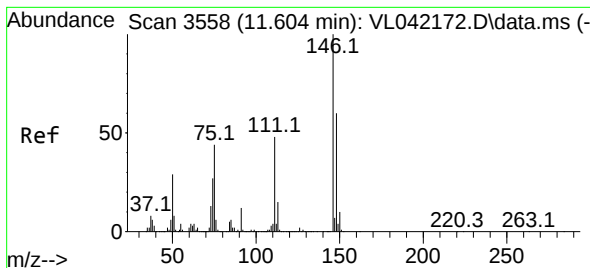
Tgt Ion:105 Resp: 705360
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.4 56.0



#74
 1,2,4-Trimethylbenzene
 Concen: 11.112 ppbv
 RT: 11.532 min Scan# 3536
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Tgt Ion:105 Resp: 800991
 Ion Ratio Lower Upper
 105 100
 120 50.1 38.6 58.0
 91 61.4 46.2 69.2
 77 23.0 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 12.185 ppbv

RT: 11.603 min Scan# 3558

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

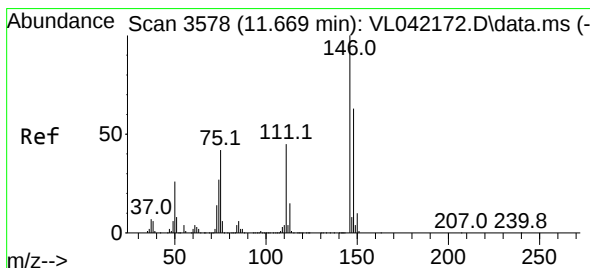
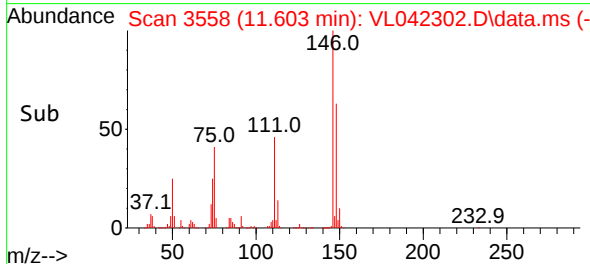
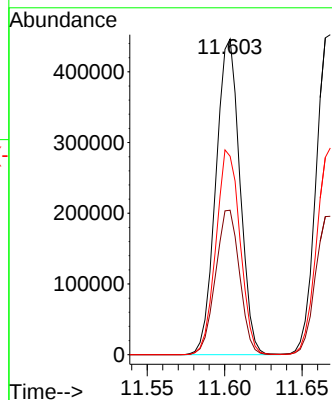
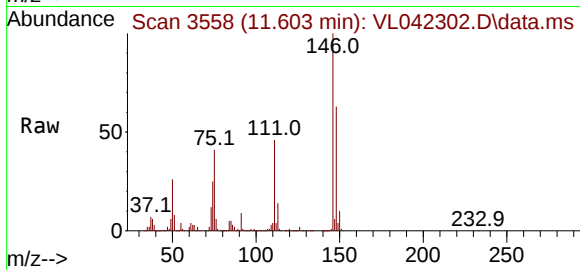
Tgt Ion:146 Resp: 481728

Ion Ratio Lower Upper

146 100

111 45.8 23.8 71.2

148 64.9 31.9 95.9



#76

1,4-Dichlorobenzene

Concen: 12.192 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

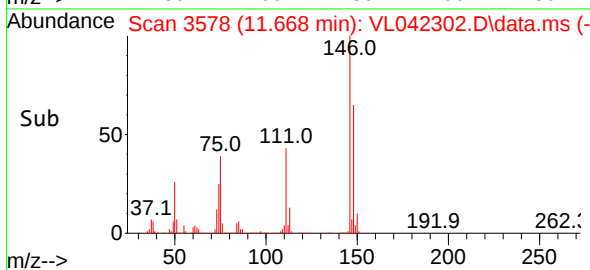
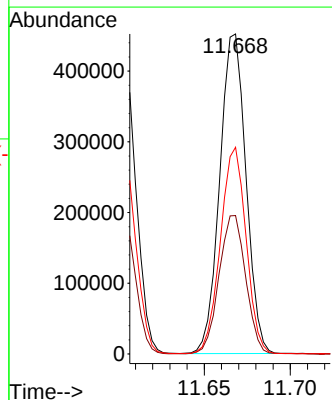
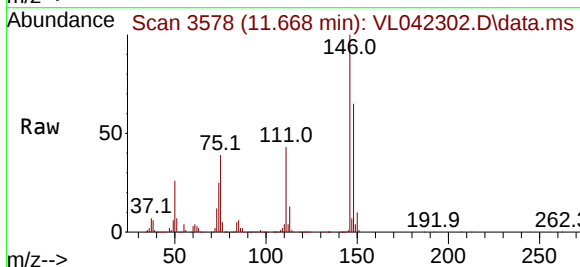
Tgt Ion:146 Resp: 479693

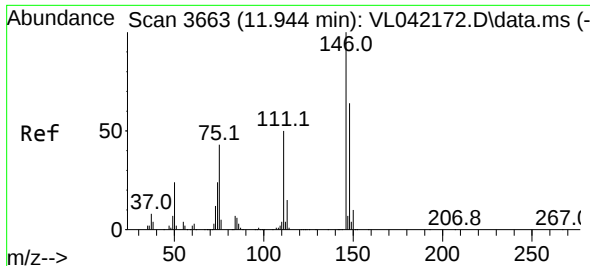
Ion Ratio Lower Upper

146 100

111 44.1 23.0 69.0

148 63.5 31.9 95.7

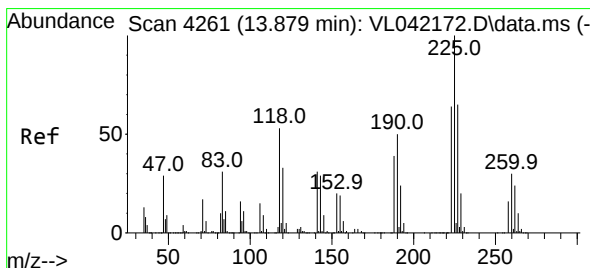
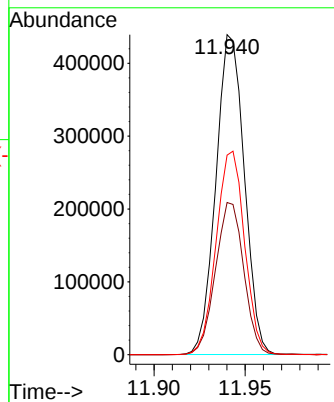
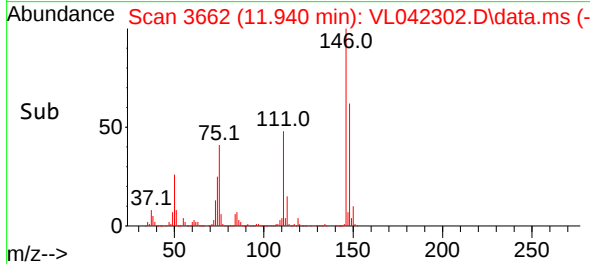
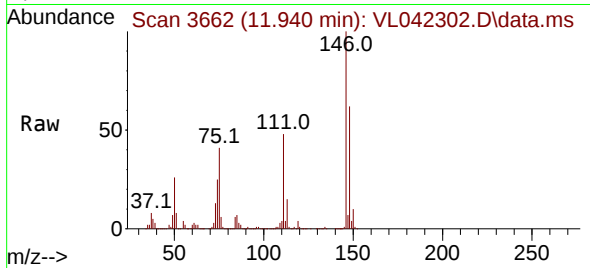




#77
 1,2-Dichlorobenzene
 Concen: 12.411 ppbv
 RT: 11.940 min Scan# 3663
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

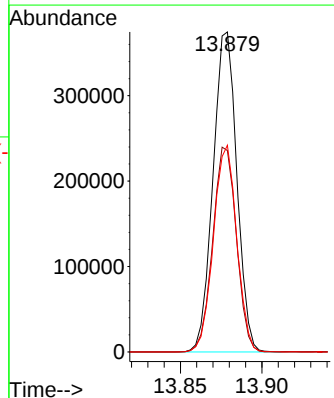
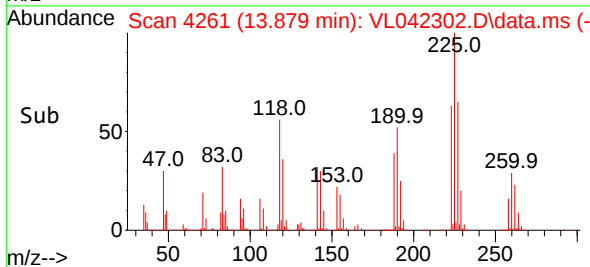
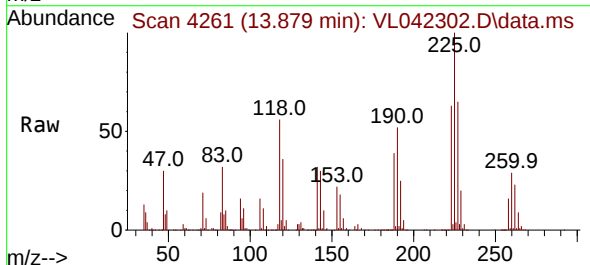
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

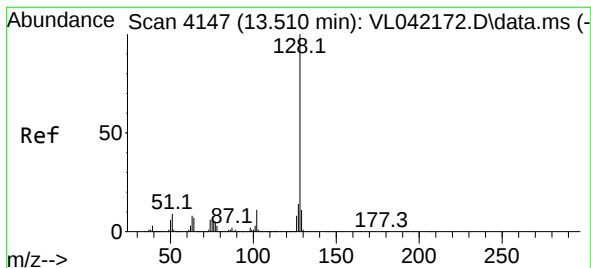
Tgt Ion:146 Resp: 477721
 Ion Ratio Lower Upper
 146 100
 111 47.4 24.8 74.3
 148 63.6 31.6 94.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.700 ppbv
 RT: 13.879 min Scan# 4261
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Tgt Ion:225 Resp: 380053
 Ion Ratio Lower Upper
 225 100
 223 63.7 50.6 76.0
 227 63.3 51.2 76.8





#79

Naphthalene

Concen: 11.482 ppbv

RT: 13.510 min Scan# 4147

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

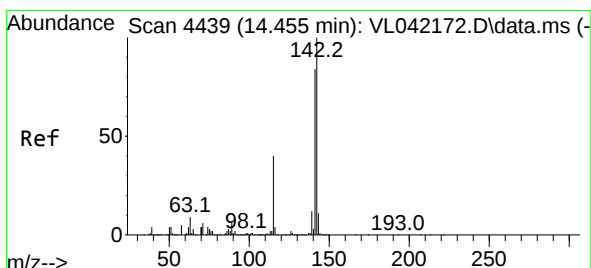
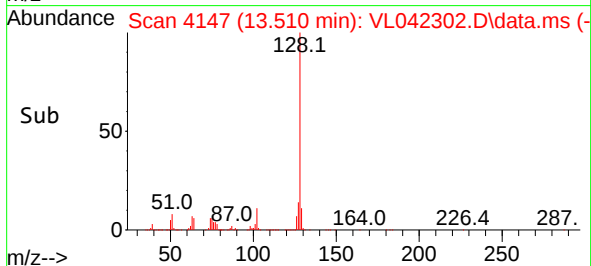
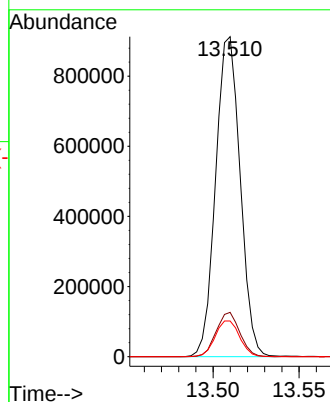
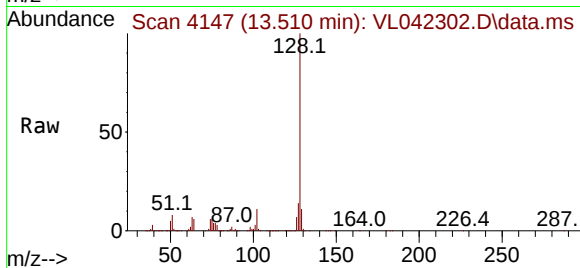
Tgt Ion:128 Resp: 905270

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

129 11.1 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 10.919 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

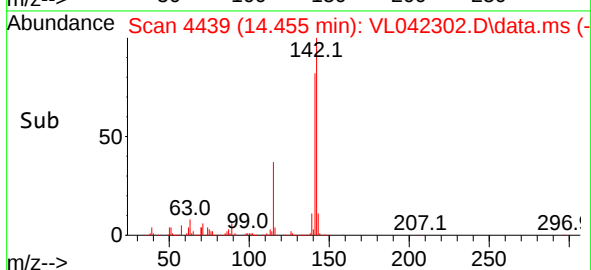
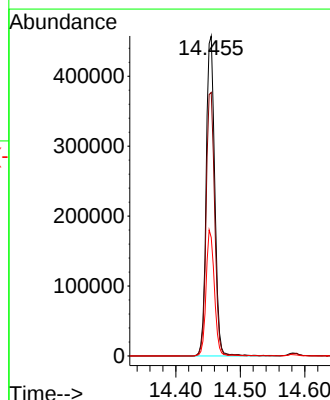
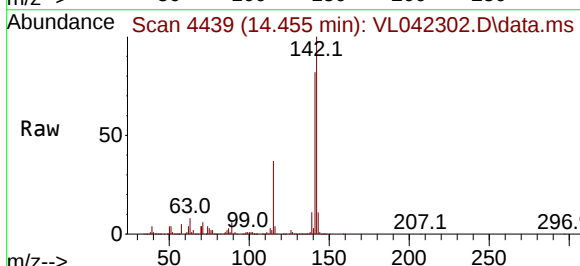
Tgt Ion:142 Resp: 422199

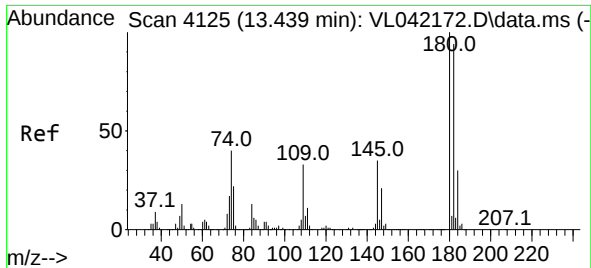
Ion Ratio Lower Upper

142 100

141 83.0 66.3 99.5

115 38.5 31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 11.063 ppbv
 RT: 13.435 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

Tgt Ion:180 Resp: 402319
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.1 112.7
 184 30.0 24.4 36.6

