

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042091.D
 Acq On : 03 Mar 2025 22:33
 Operator : SY/MD
 Sample : VL0303ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS02

Quant Time: Mar 04 00:25:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	144602	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.952	114	327594	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.878	117	287513	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	227753	10.296	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	185405	12.330	ppbv	98
3) Chlorodifluoromethane	1.473	51	221295	10.530	ppbv	100
4) Chloromethane	1.531	50	64050	11.518	ppbv	100
5) Vinyl Chloride	1.576	62	61909	11.770	ppbv	98
6) Bromomethane	1.664	94	30635	12.232	ppbv	98
7) Chloroethane	1.699	64	24875	11.639	ppbv	96
8) Dichlorotetrafluoroethane	1.551	85	146239	11.831	ppbv	96
9) Propene	1.479	41	94788	11.071	ppbv	97
10) Heptane	4.972	43	270427	10.144	ppbv	96
11) Trichlorofluoromethane	1.874	101	195750	12.992	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	149185	12.413	ppbv	93
13) Ethanol	1.719	45	3192	5.873	ppbv	98
14) Bromoethene	1.777	108	50008	11.783	ppbv	99
15) Acetone	1.832	43	144279	11.298	ppbv	98
16) 1,3-Butadiene	1.606	39	68037	11.449	ppbv	100
17) tert-Butyl alcohol	2.036	59	166910	10.447	ppbv	97
18) 1,1-Dichloroethene	2.030	96	64729	11.920	ppbv	95
19) Isopropyl Alcohol	1.884	45	78957	10.764	ppbv	92
20) Methylene Chloride	2.059	84	53839	11.146	ppbv	93
21) Allyl Chloride	2.091	41	108251	11.732	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	74111	11.707	ppbv	90
23) Vinyl Acetate	2.460	43	56125	6.251	ppbv #	95
24) 1,1-Dichloroethane	2.405	63	142438	12.092	ppbv	99
25) Ethyl Acetate	2.832	43	542611	10.616	ppbv	99
26) Hexane	2.823	57	201527	9.752	ppbv	90
27) Carbon Disulfide	2.146	76	170583	12.178	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	92652	9.006	ppbv	99
29) Chloroform	2.845	83	282799	10.168	ppbv	97
30) Cyclohexane	3.849	84	159104	9.486	ppbv	92
31) cis-1,2-Dichloroethene	2.716	61	192074	9.819	ppbv	95
32) 1,1,1-Trichloroethane	3.363	97	252498	9.359	ppbv	94
34) 2-Butanone	2.554	43	309717	12.136	ppbv	95
35) Carbon Tetrachloride	3.758	117	260309	11.523	ppbv	97
36) Benzene	3.651	78	388754	11.336	ppbv	97
37) 1,2-Dichloroethane	3.214	62	217922	11.461	ppbv	100
38) Trichloroethene	4.541	130	147738	10.550	ppbv	95
39) 1,2-Dichloropropane	4.308	63	146953	11.289	ppbv	98
40) 1,4-Dioxane	4.577	88	62914	10.588	ppbv #	99
41) Tetrahydrofuran	3.049	42	179086	11.876	ppbv	95
42) Bromodichloromethane	4.483	83	291820	11.391	ppbv	100
43) Methyl Methacrylate	4.875	69	150615	11.246	ppbv	93
44) 2,2,4-Trimethylpentane	4.629	57	413746	6.836	ppbv #	57
45) t-1,3-Dichloropropene	6.412	75	132594	9.965	ppbv	97

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

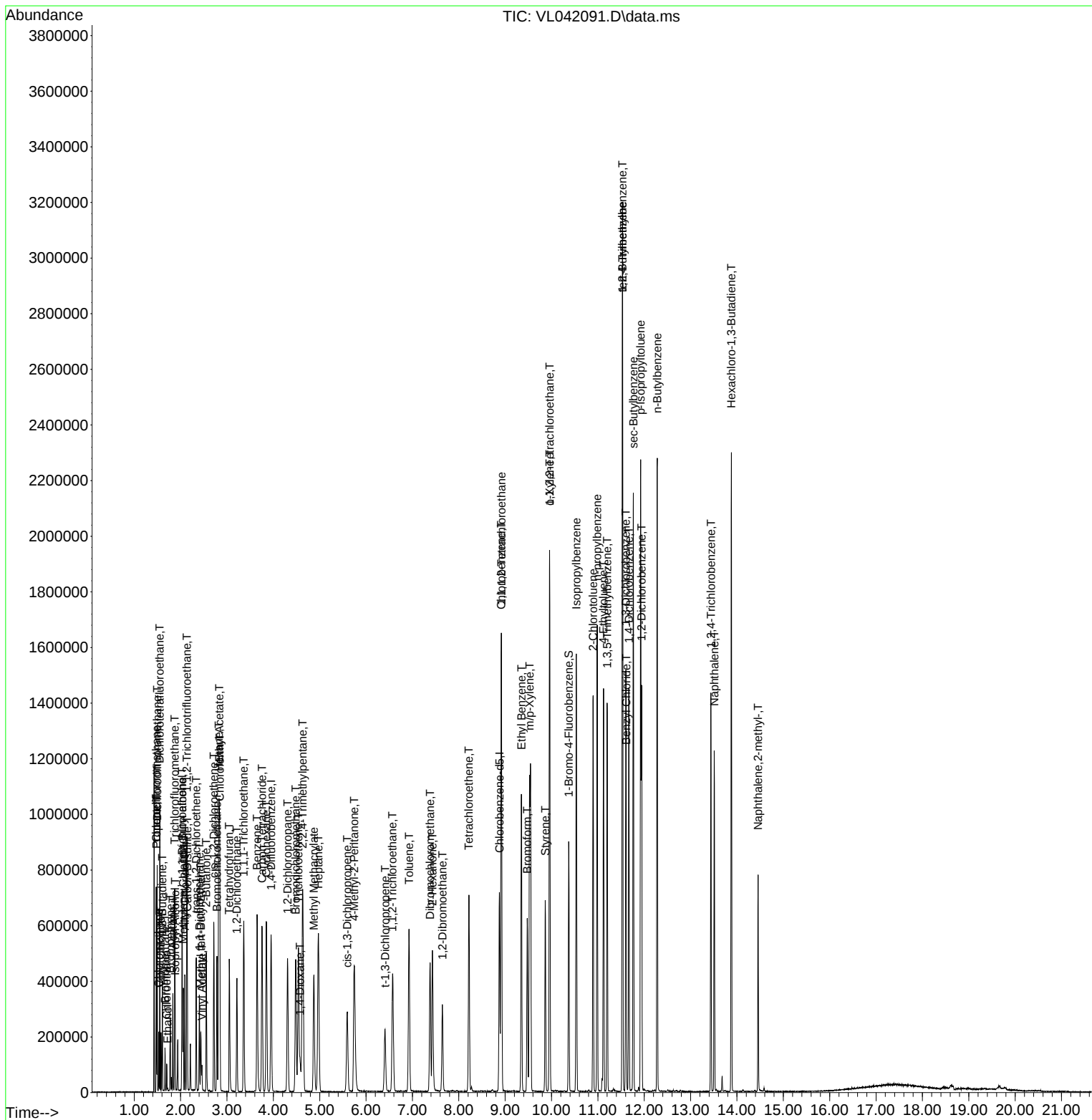
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS02

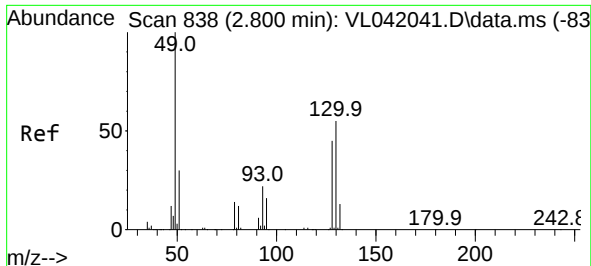
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	184875	10.737	ppbv	98
47) 1,1,2-Trichloroethane	6.571	97	148260	11.219	ppbv	97
48) Dibromochloromethane	7.383	129	233969	11.305	ppbv	100
49) Bromoform	9.477	173	208721	11.613	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	438384	13.282	ppbv	95
51) 2-Hexanone	7.432	43	350416	15.425	ppbv #	98
52) Tetrachloroethene	8.218	164	127330	10.846	ppbv	92
53) Toluene	6.927	91	422840	11.032	ppbv	98
54) 1,2-Dibromoethane	7.645	107	199457	11.164	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.920	131	187001	11.507	ppbv	99
57) Chlorobenzene	8.914	112	339822	11.400	ppbv	98
58) Ethyl Benzene	9.351	91	596488	11.265	ppbv	98
59) m/p-Xylene	9.526	91	492129	11.679	ppbv #	100
60) o-Xylene	9.959	91	498859	11.777	ppbv	100
61) Styrene	9.865	104	225758	11.336	ppbv	100
62) Isopropylbenzene	10.535	105	735310	11.590	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	334918	12.006	ppbv	99
64) n-propylbenzene	10.985	120	199133	11.967	ppbv	99
65) tert-Butylbenzene	11.529	119	669374	11.593	ppbv	99
66) Benzyl Chloride	11.610	91	40012	9.082	ppbv	97
67) sec-Butylbenzene	11.765	105	979518	11.862	ppbv	100
69) p-Isopropyltoluene	11.924	119	800799	12.190	ppbv	99
70) n-Butylbenzene	12.280	91	831218	12.395	ppbv	99
71) 2-Chlorotoluene	10.898	91	560433	11.459	ppbv	100
72) 4-Ethyltoluene	11.121	105	623396	12.053	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	528844	11.788	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	585531	11.590	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	352630	12.128	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	348193	12.062	ppbv	100
77) 1,2-Dichlorobenzene	11.943	146	343011	12.157	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	238009	10.841	ppbv	99
79) Naphthalene	13.510	128	548073	15.822	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	205124	21.639	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	237478	12.302	ppbv	99

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

Quant Time: Mar 04 00:25:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
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QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

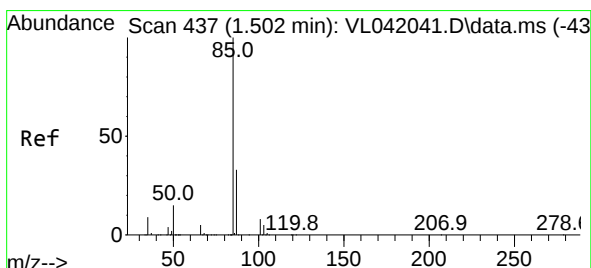
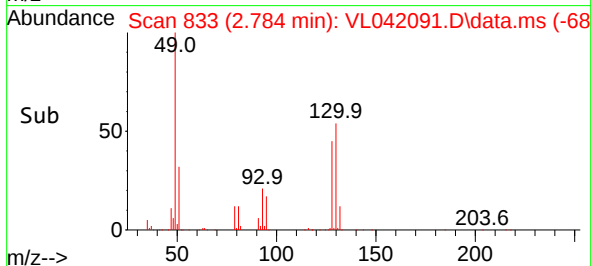
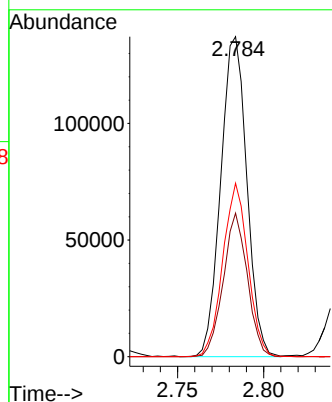
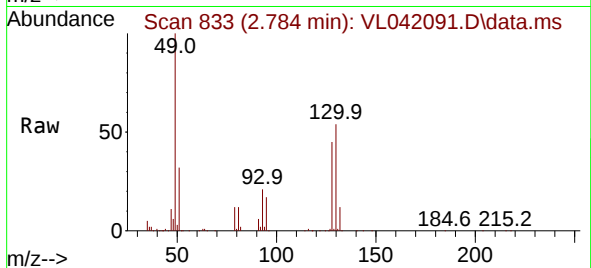




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.016 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

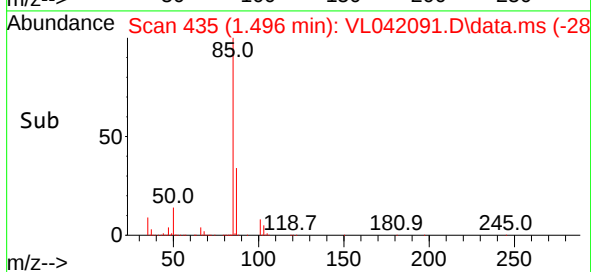
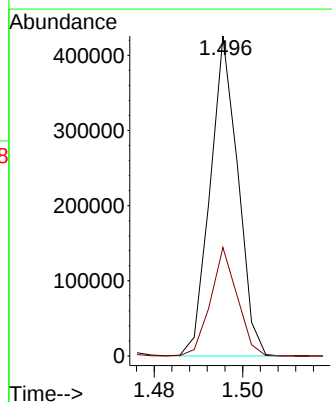
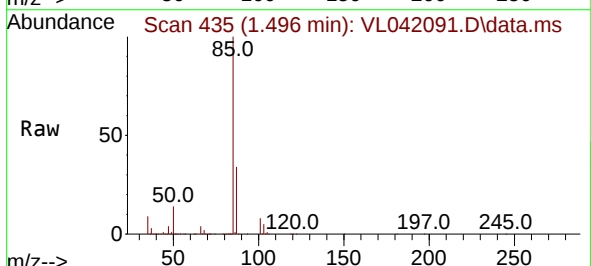
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MSVOA_L
ClientSampleId :
VL0303ABS02

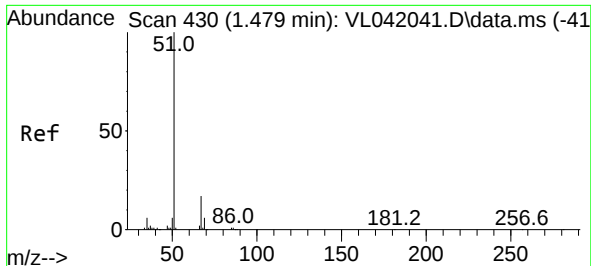
Tgt Ion: 49 Resp: 144602
Ion Ratio Lower Upper
49 100
128 41.4 21.6 64.8
130 52.2 27.8 83.4



#2
Dichlorodifluoromethane
Concen: 12.330 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.007 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 85 Resp: 185405
Ion Ratio Lower Upper
85 100
87 33.9 26.4 39.6

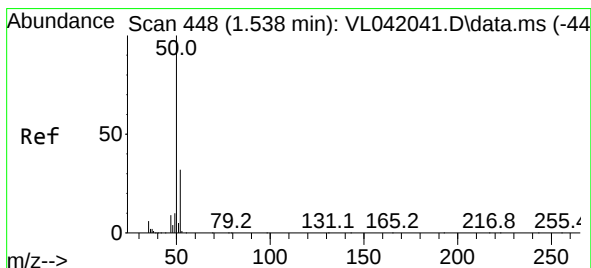
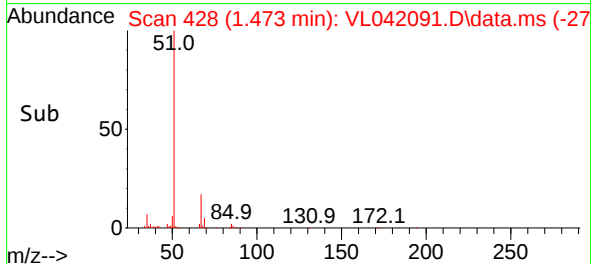
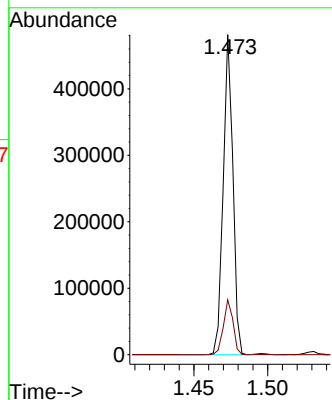
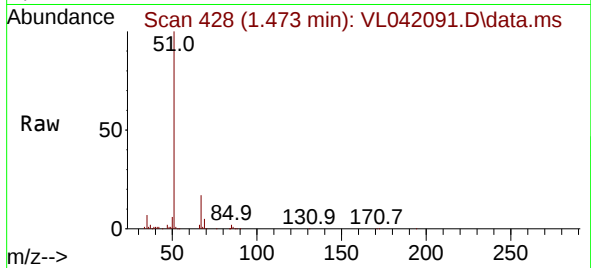




#3
Chlorodifluoromethane
Concen: 10.530 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

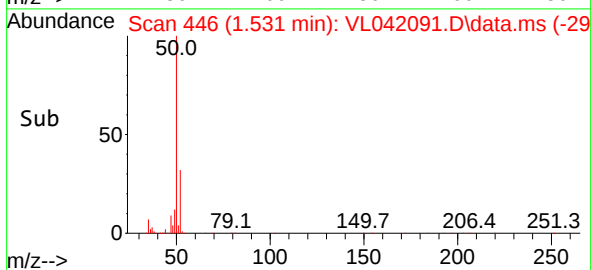
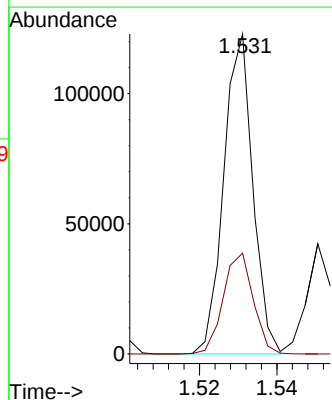
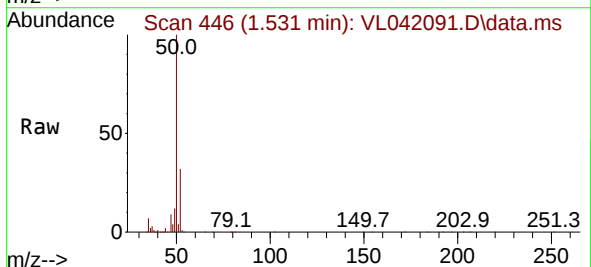
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ClientSampleId :
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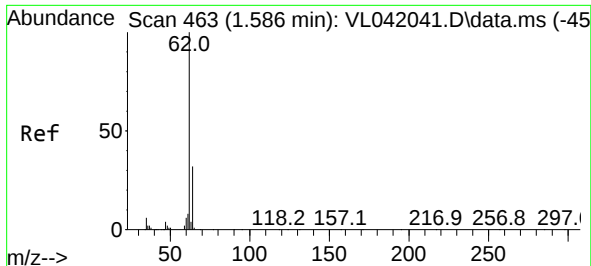
Tgt Ion: 51 Resp: 221295
Ion Ratio Lower Upper
51 100
67 17.2 13.7 20.5



#4
Chloromethane
Concen: 11.518 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.007 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 50 Resp: 64050
Ion Ratio Lower Upper
50 100
52 31.5 25.4 38.0

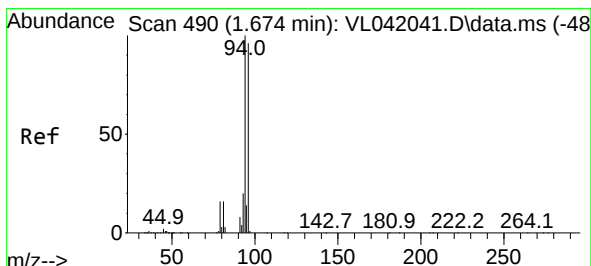
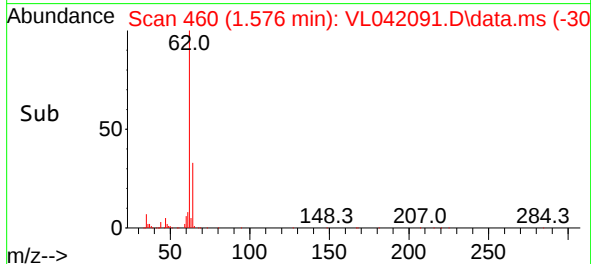
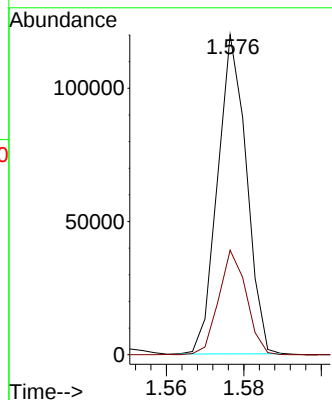
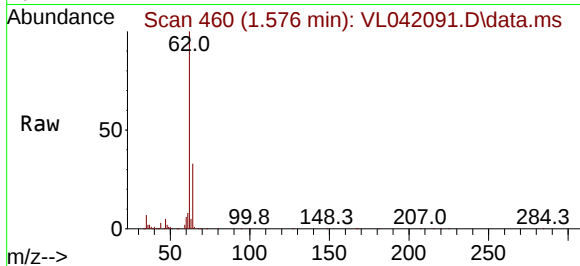




#5
 Vinyl Chloride
 Concen: 11.770 ppbv
 RT: 1.576 min Scan# 410
 Delta R.T. -0.010 min
 Lab File: VL042091.D
 Acq: 03 Mar 2025 22:33

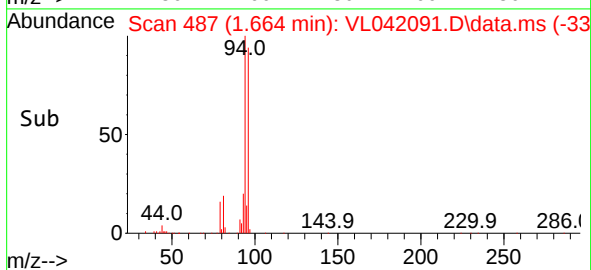
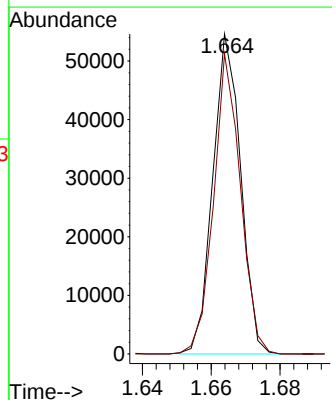
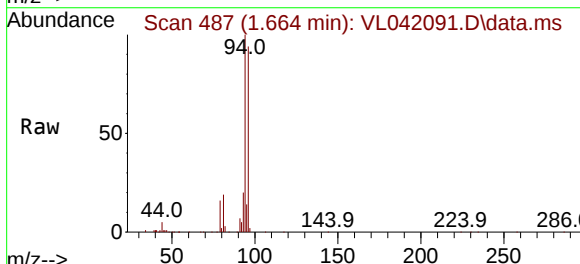
Instrument :
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 ClientSampleId :
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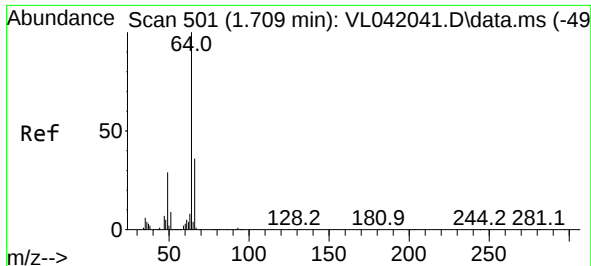
Tgt Ion: 62 Resp: 61909
 Ion Ratio Lower Upper
 62 100
 64 32.8 25.3 37.9



#6
 Bromomethane
 Concen: 12.232 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.010 min
 Lab File: VL042091.D
 Acq: 03 Mar 2025 22:33

Tgt Ion: 94 Resp: 30635
 Ion Ratio Lower Upper
 94 100
 96 93.7 76.5 114.7

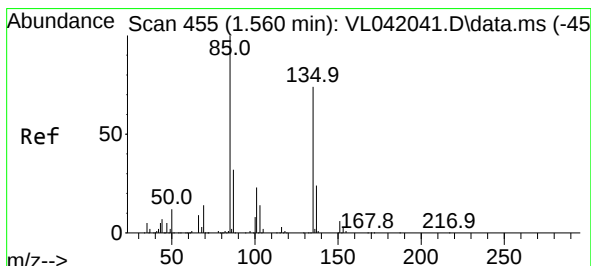
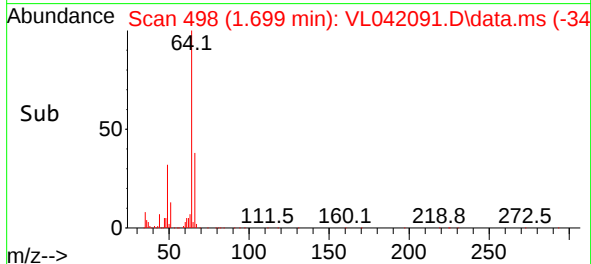
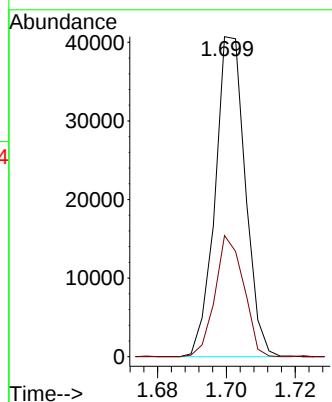
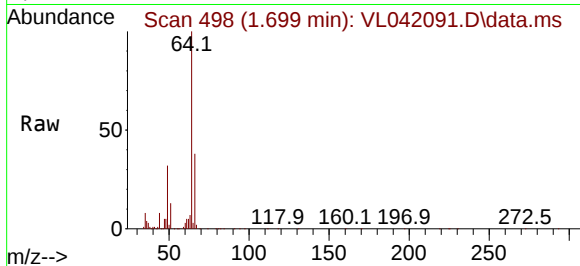




#7
Chloroethane
Concen: 11.639 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.010 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

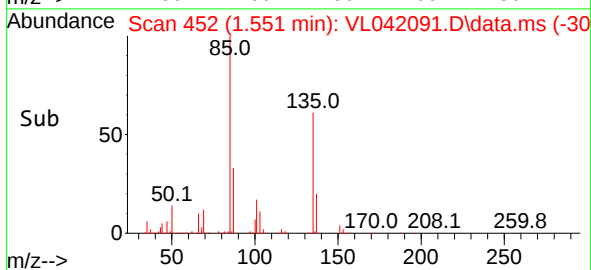
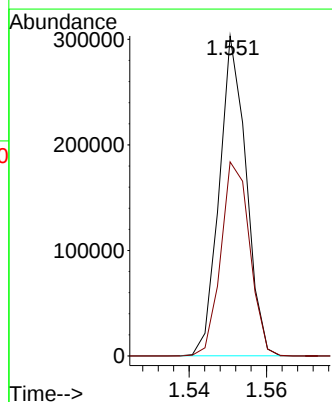
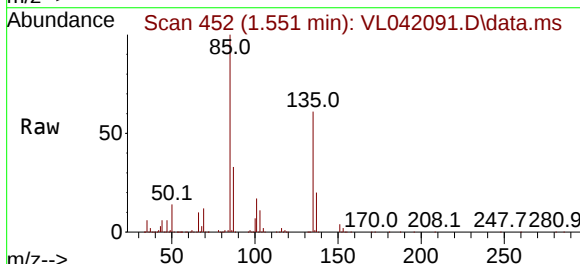
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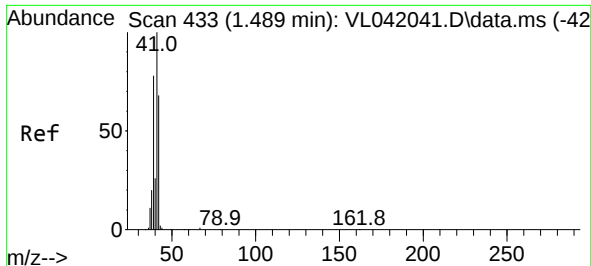
Tgt Ion: 64 Resp: 24875
Ion Ratio Lower Upper
64 100
66 37.9 28.4 42.6



#8
Dichlorotetrafluoroethane
Concen: 11.831 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.010 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 85 Resp: 146239
Ion Ratio Lower Upper
85 100
135 65.3 54.6 81.8

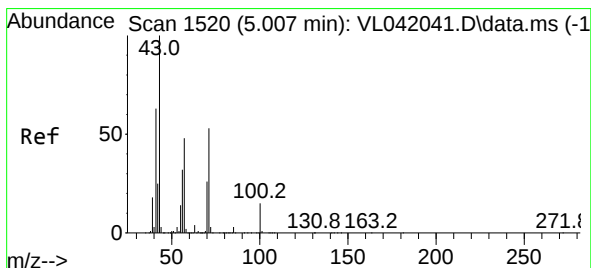
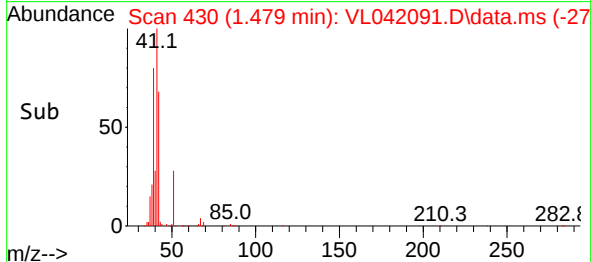
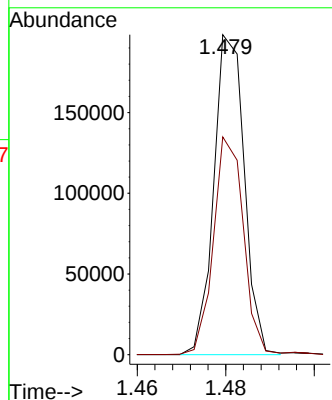
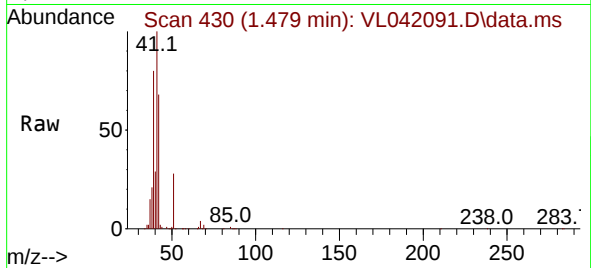




#9
Propene
Concen: 11.071 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

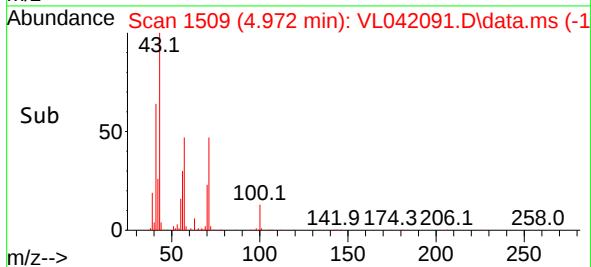
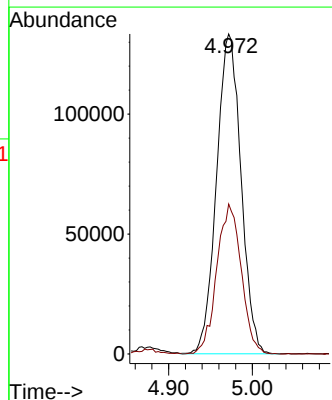
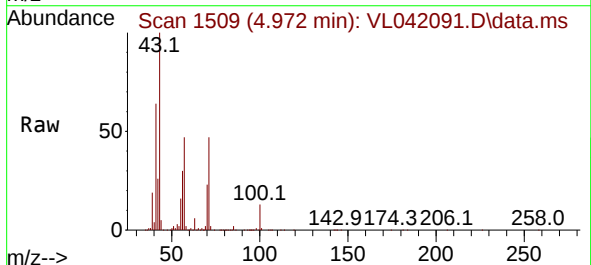
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

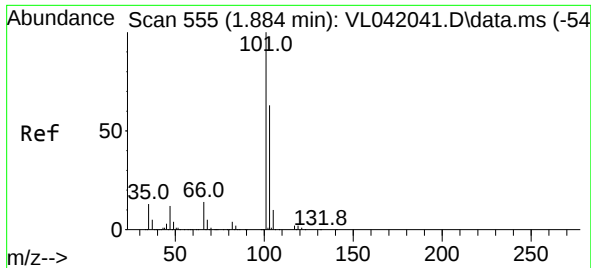
Tgt Ion: 41 Resp: 94788
Ion Ratio Lower Upper
41 100
42 67.6 55.8 83.6



#10
Heptane
Concen: 10.144 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.036 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 43 Resp: 270427
Ion Ratio Lower Upper
43 100
57 46.8 39.4 59.0

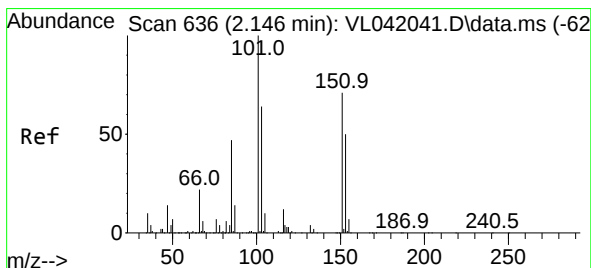
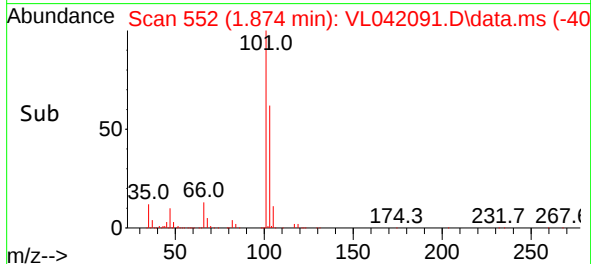
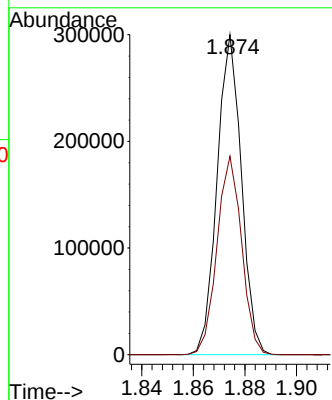
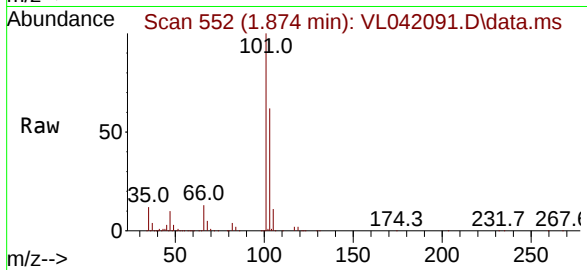




#11
 Trichlorofluoromethane
 Concen: 12.992 ppbv
 RT: 1.874 min Scan# 51
 Delta R.T. -0.010 min
 Lab File: VL042091.D
 Acq: 03 Mar 2025 22:33

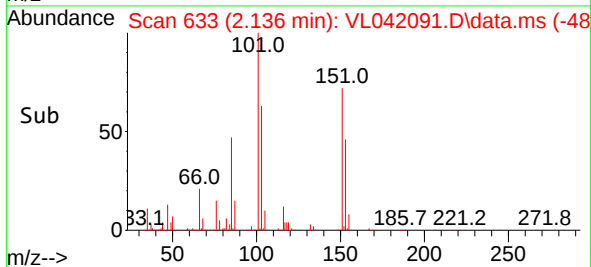
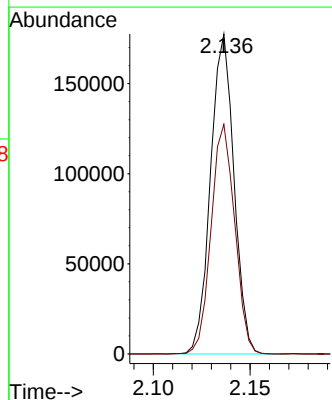
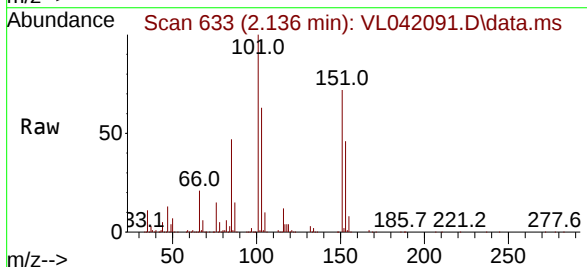
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS02

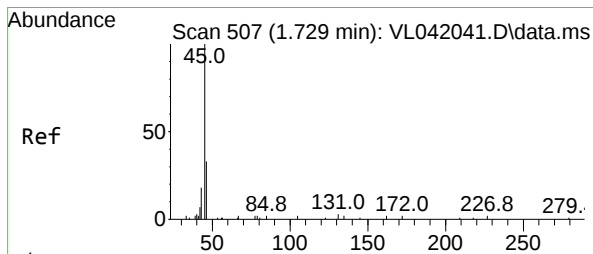
Tgt Ion:101 Resp: 195750
 Ion Ratio Lower Upper
 101 100
 103 62.0 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.413 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.010 min
 Lab File: VL042091.D
 Acq: 03 Mar 2025 22:33

Tgt Ion:101 Resp: 149185
 Ion Ratio Lower Upper
 101 100
 151 72.3 62.6 94.0

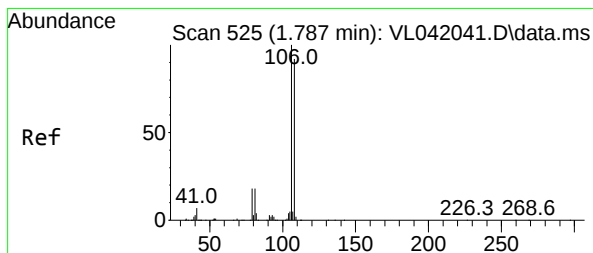
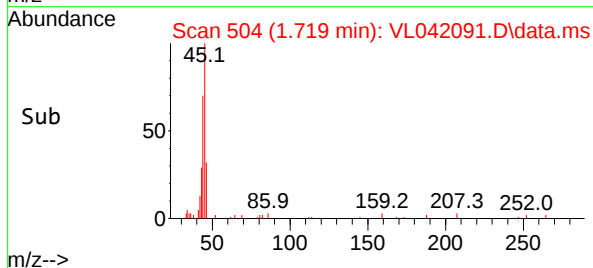
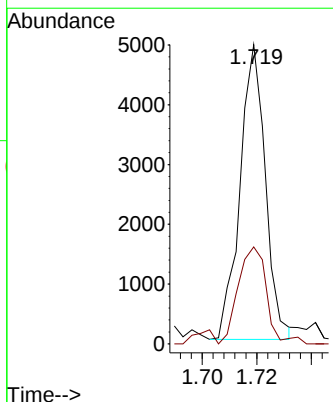
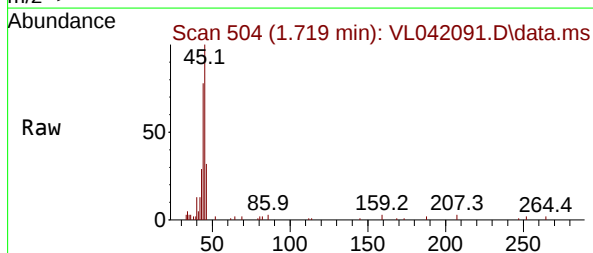




#13
Ethanol
Concen: 5.873 ppbv
RT: 1.719 min Scan# 511
Delta R.T. -0.010 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

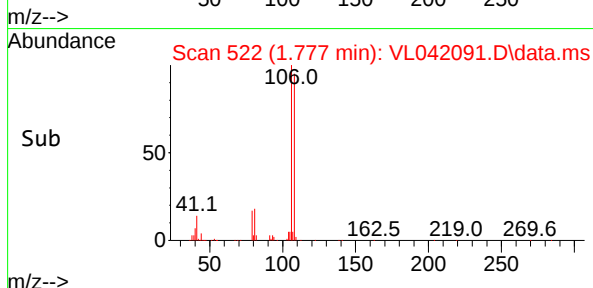
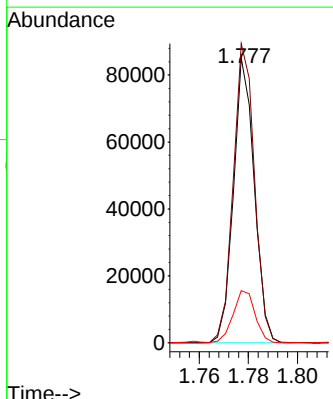
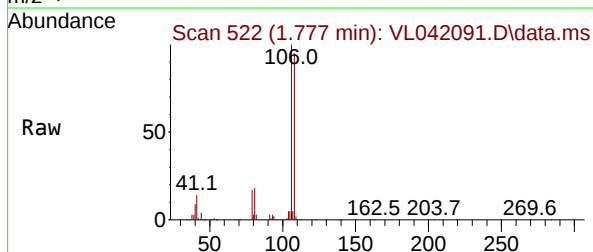
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

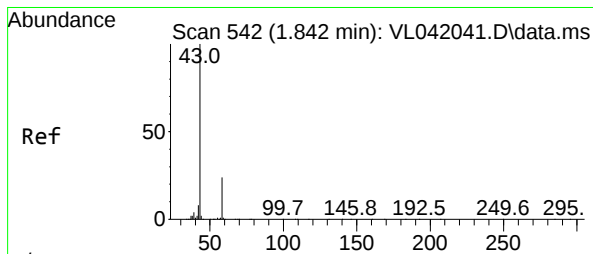
Tgt Ion: 45 Resp: 3192
Ion Ratio Lower Upper
45 100
46 41.1 17.1 68.3



#14
Bromoethene
Concen: 11.783 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.010 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 108 Resp: 50008
Ion Ratio Lower Upper
108 100
106 107.1 85.4 128.0
79 19.8 16.5 24.7

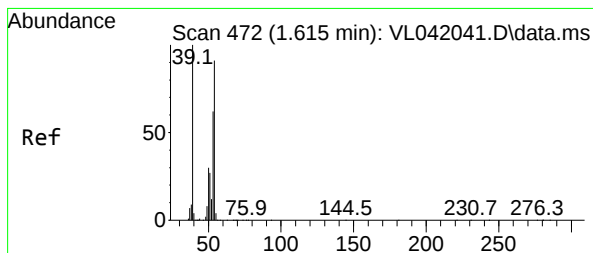
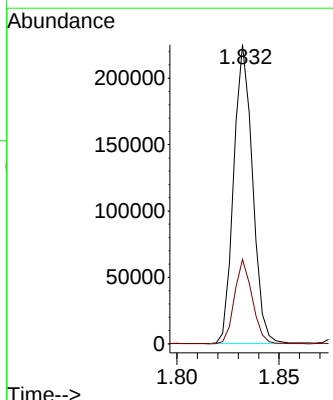
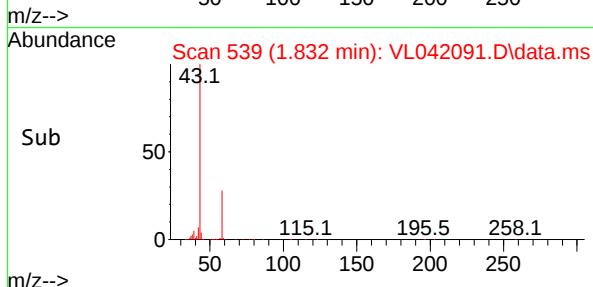
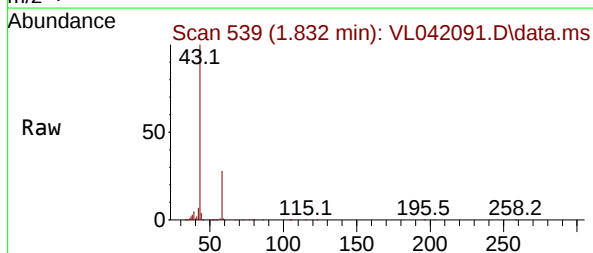




#15
Acetone
Concen: 11.298 ppbv
RT: 1.832 min Scan# 542
Delta R.T. -0.010 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

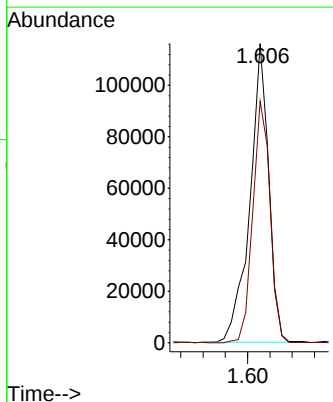
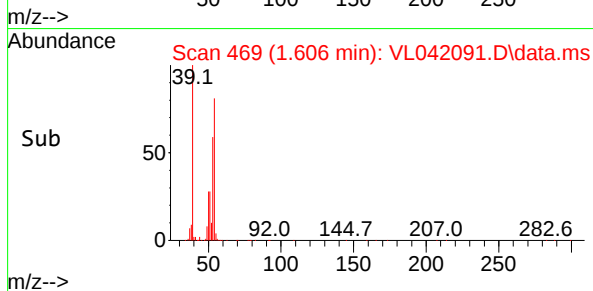
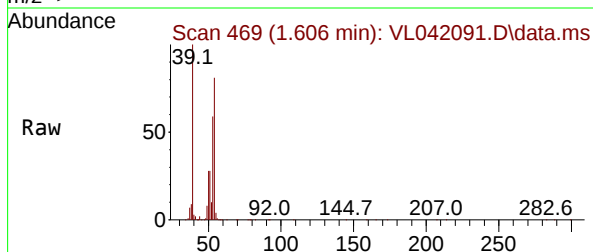
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

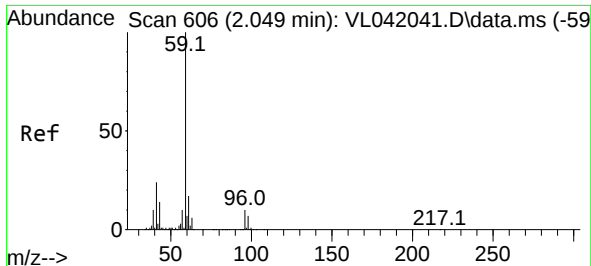
Tgt Ion: 43 Resp: 144279
Ion Ratio Lower Upper
43 100
58 26.9 20.7 31.1



#16
1,3-Butadiene
Concen: 11.449 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.010 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 39 Resp: 68037
Ion Ratio Lower Upper
39 100
54 74.1 59.6 89.4





#17

tert-Butyl alcohol

Concen: 10.447 ppbv

RT: 2.036 min Scan# 606

Delta R.T. -0.013 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

Instrument :

MSVOA_L

ClientSampleId :

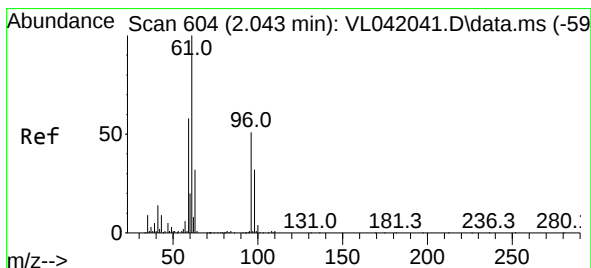
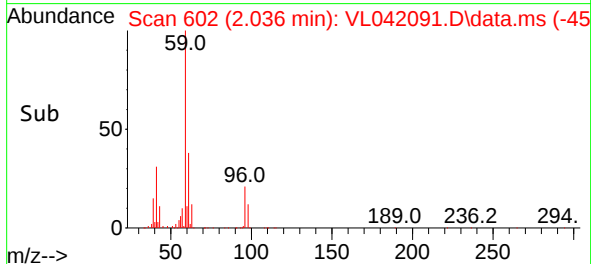
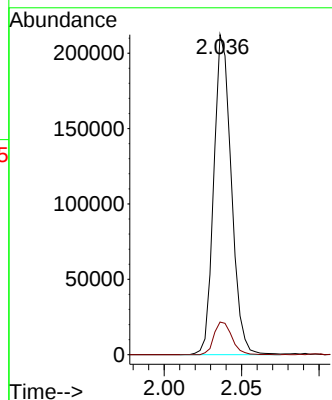
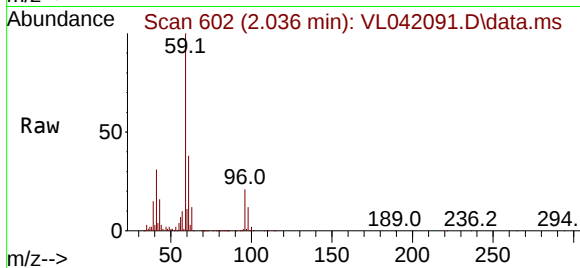
VL0303ABS02

Tgt Ion: 59 Resp: 166910

Ion Ratio Lower Upper

59 100

57 10.4 9.3 13.9



#18

1,1-Dichloroethene

Concen: 11.920 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.013 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

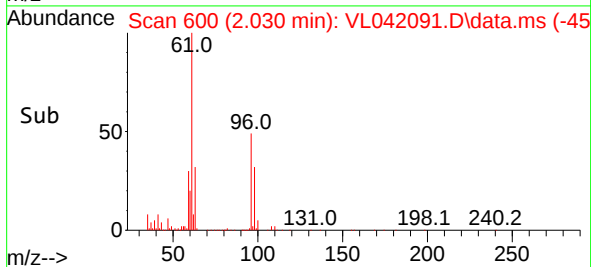
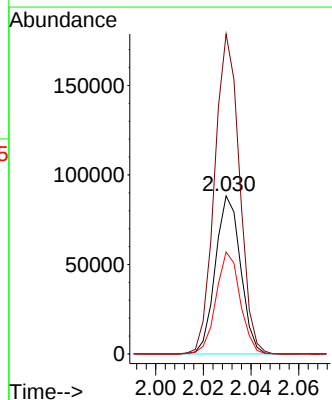
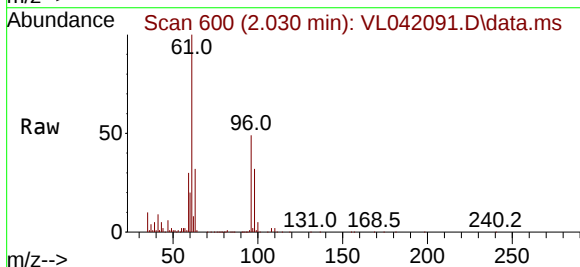
Tgt Ion: 96 Resp: 64729

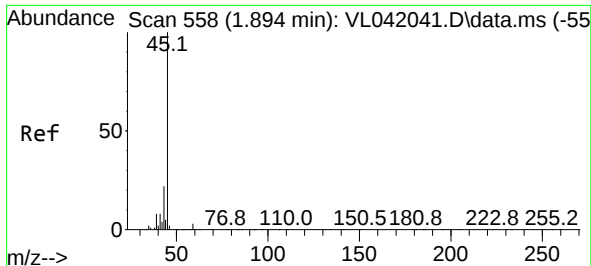
Ion Ratio Lower Upper

96 100

61 202.3 156.0 234.0

98 64.4 49.4 74.2

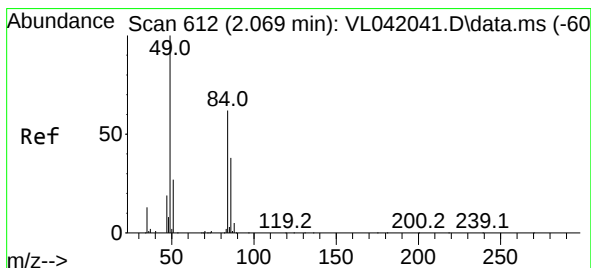
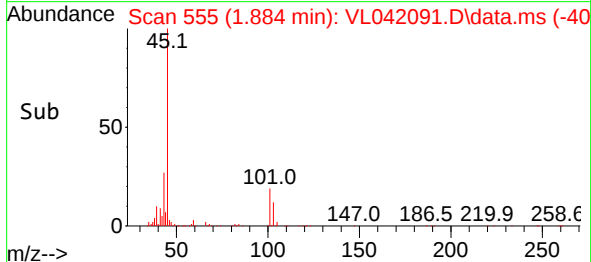
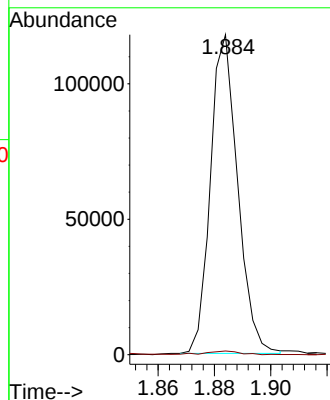
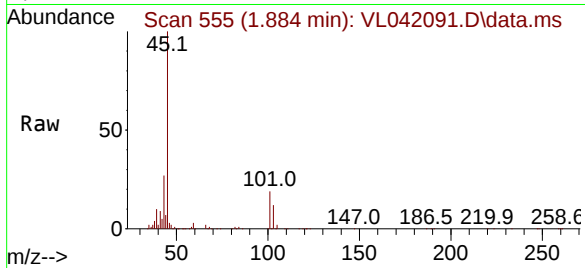




#19
Isopropyl Alcohol
Concen: 10.764 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.010 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

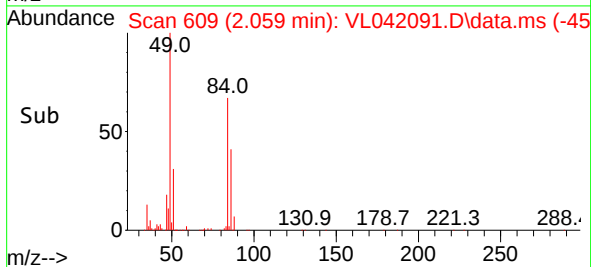
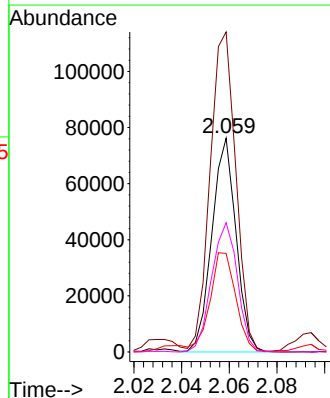
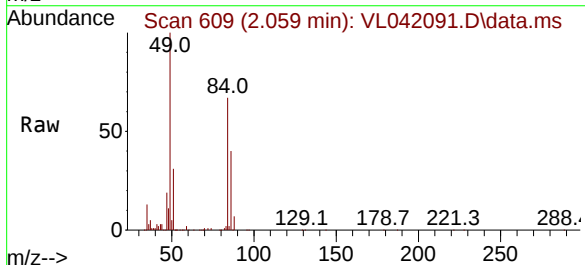
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

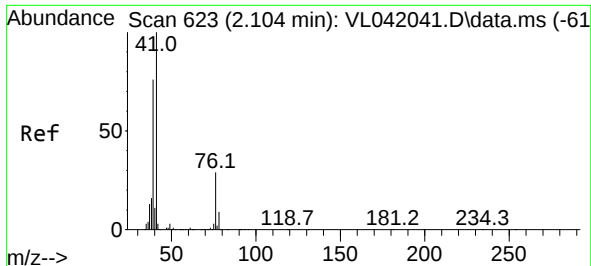
Tgt Ion: 45 Resp: 78957
Ion Ratio Lower Upper
45 100
58 49.2 35.3 52.9



#20
Methylene Chloride
Concen: 11.146 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 84 Resp: 53839
Ion Ratio Lower Upper
84 100
49 148.7 130.0 195.0
51 45.5 37.4 56.0
86 60.5 48.6 72.8





#21

Allyl Chloride

Concen: 11.732 ppbv

RT: 2.091 min Scan# 619

Delta R.T. -0.013 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

Instrument :

MSVOA_L

ClientSampleId :

VL0303ABS02

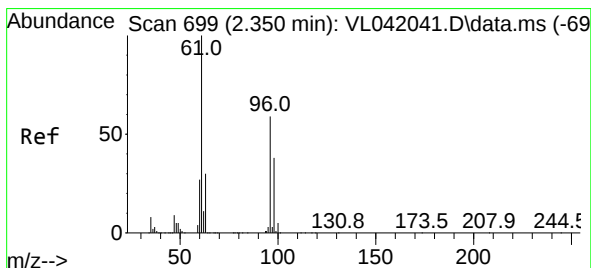
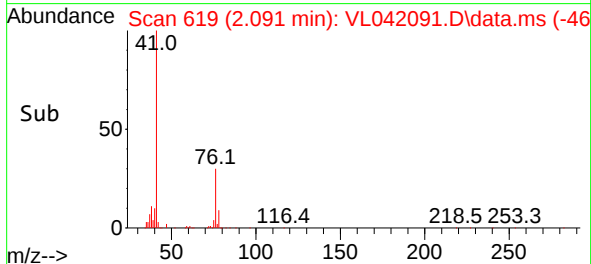
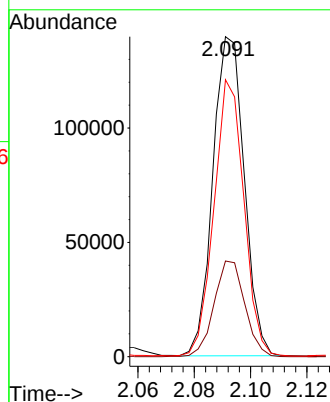
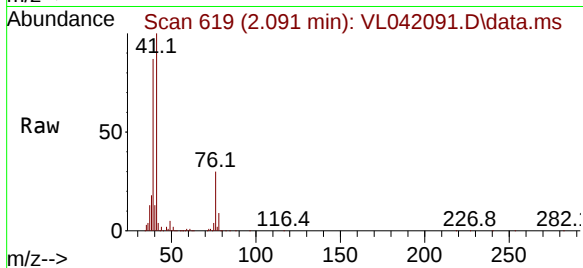
Tgt Ion: 41 Resp: 108251

Ion Ratio Lower Upper

41 100

76 29.4 23.8 35.6

39 82.3 63.8 95.6



#22

trans-1,2-Dichloroethene

Concen: 11.707 ppbv

RT: 2.337 min Scan# 695

Delta R.T. -0.013 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

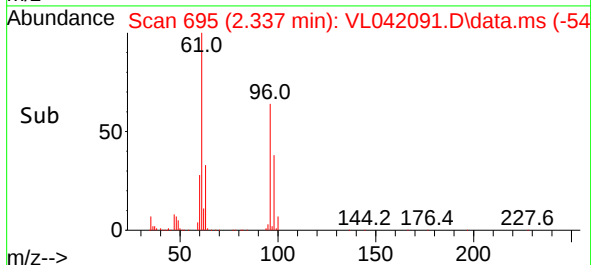
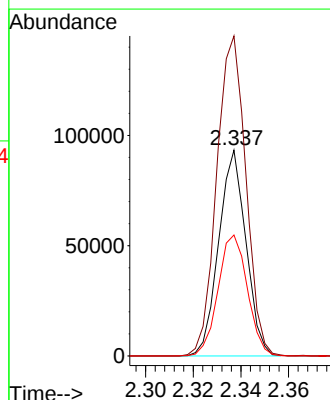
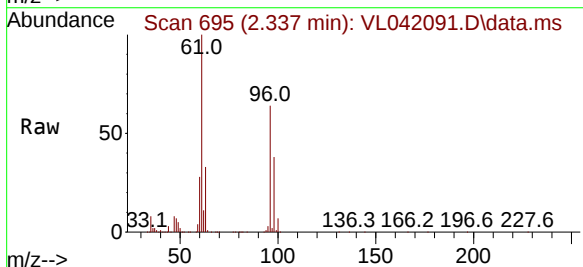
Tgt Ion: 96 Resp: 74111

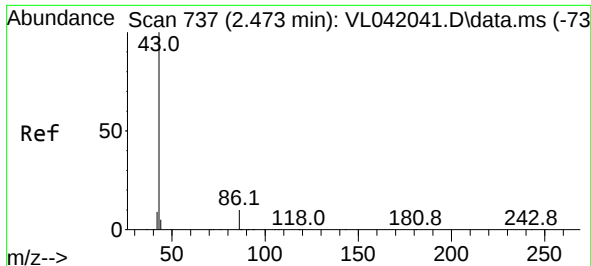
Ion Ratio Lower Upper

96 100

61 155.5 136.6 205.0

98 58.7 51.8 77.6

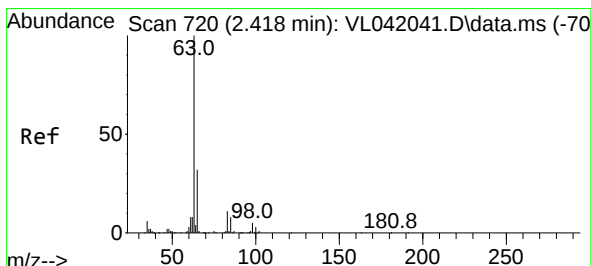
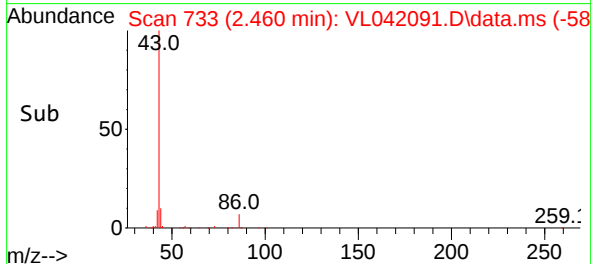
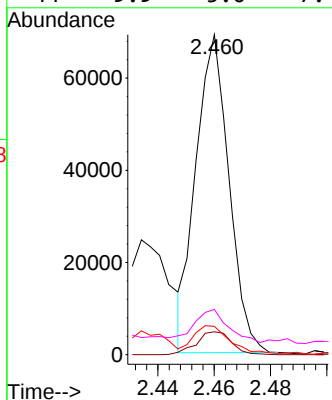
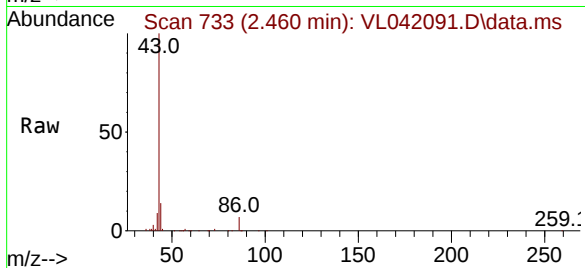




#23
 Vinyl Acetate
 Concen: 6.251 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.013 min
 Lab File: VL042091.D
 Acq: 03 Mar 2025 22:33

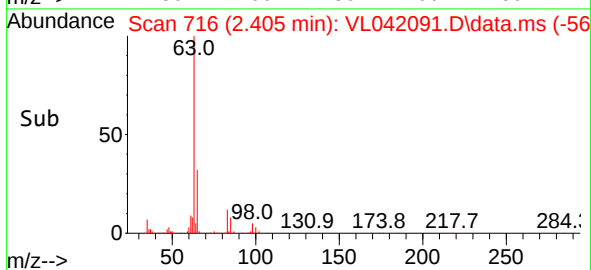
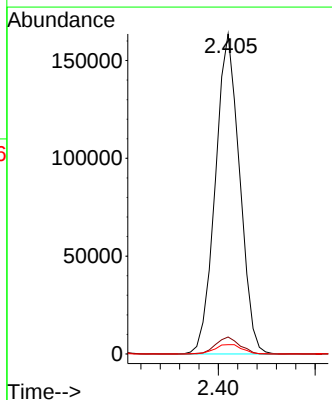
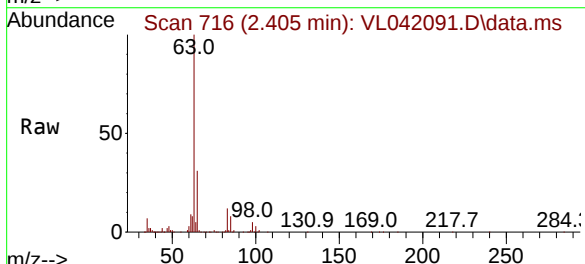
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS02

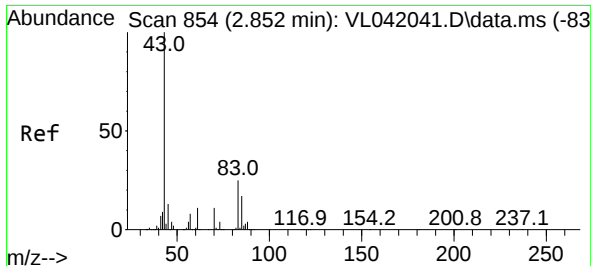
Tgt Ion: 43	Resp: 56125
Ion Ratio	Lower Upper
43 100	
86 7.4	7.0 10.4
42 8.5	7.6 11.4
44 9.9	5.0 7.4#



#24
 1,1-Dichloroethane
 Concen: 12.092 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.013 min
 Lab File: VL042091.D
 Acq: 03 Mar 2025 22:33

Tgt Ion: 63	Resp: 142438
Ion Ratio	Lower Upper
63 100	
98 5.3	2.4 7.2
100 2.9	1.7 5.0

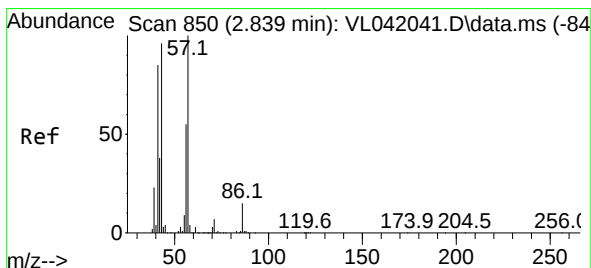
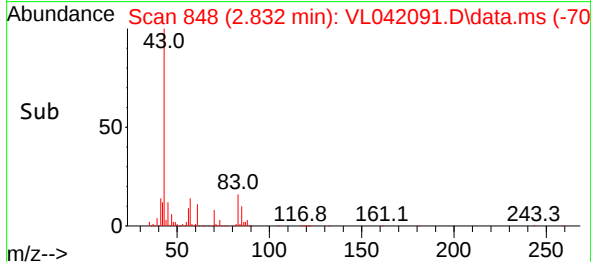
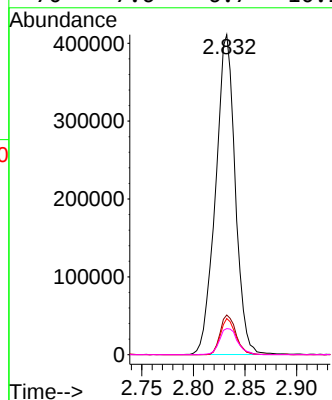
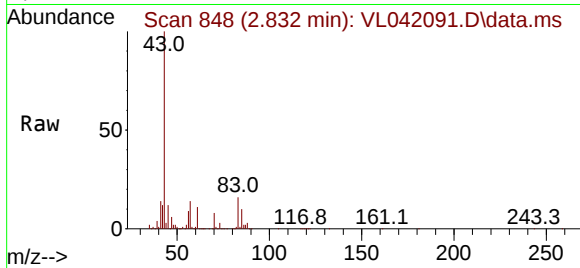




#25
Ethyl Acetate
Concen: 10.616 ppbv
RT: 2.832 min Scan# 845
Delta R.T. -0.020 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

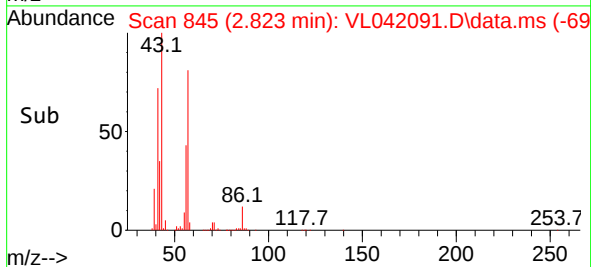
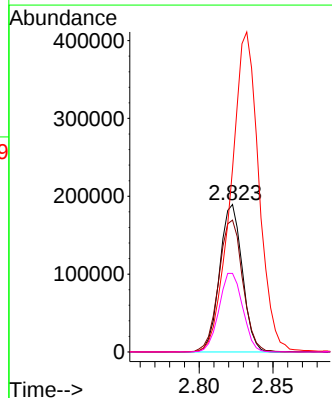
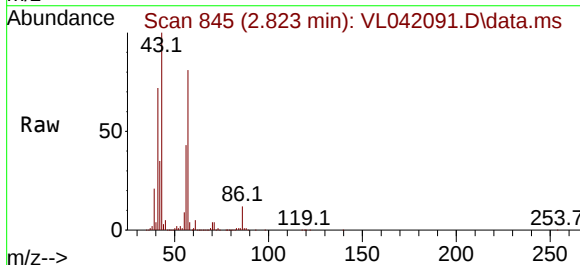
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

Tgt	Ion: 43	Resp:	542611
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.0	7.2	10.8
70	7.6	6.7	10.1



#26
Hexane
Concen: 9.752 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.016 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 57	Resp: 201527
Ion Ratio	Lower Upper
57 100	
41 95.9	70.6 106.0
43 270.4	199.4 299.0
56 56.0	42.6 64.0

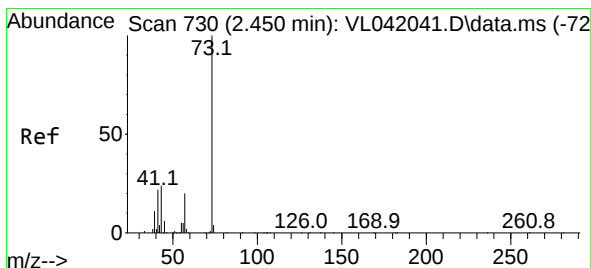
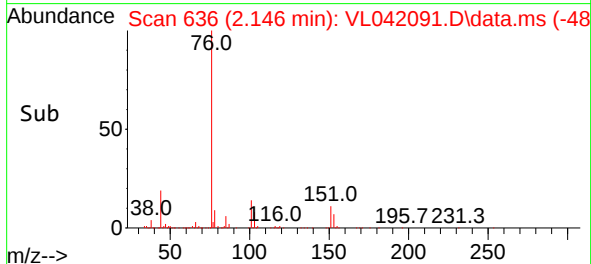
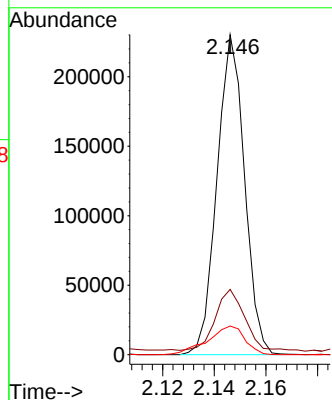
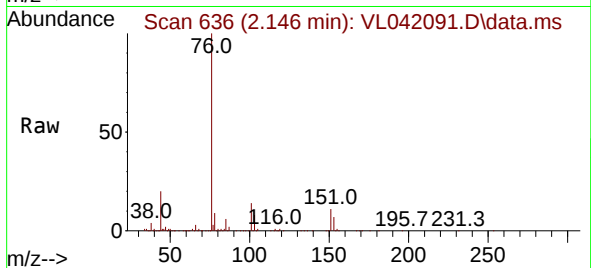




#27
Carbon Disulfide
Concen: 12.178 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

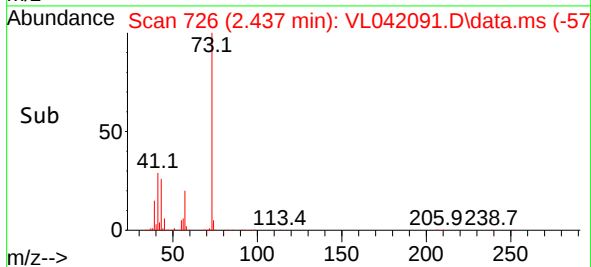
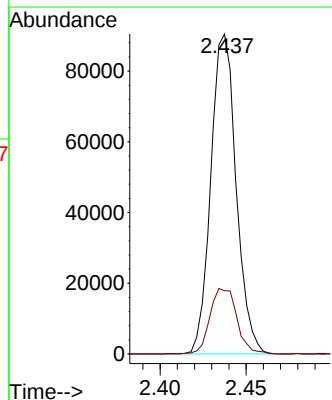
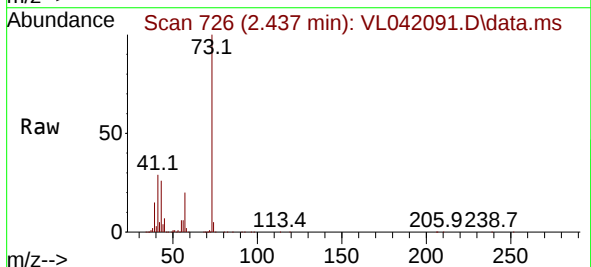
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

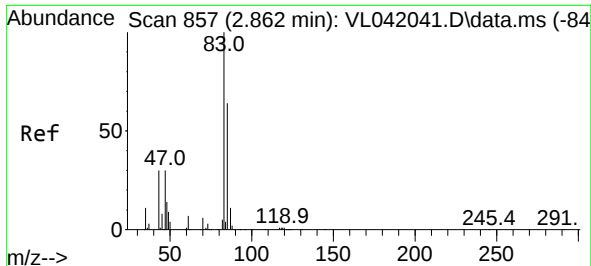
Tgt Ion: 76 Resp: 170583
Ion Ratio Lower Upper
76 100
44 22.1 16.2 24.2
78 12.1 9.4 14.0



#28
Methyl tert-Butyl Ether
Concen: 9.006 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.013 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 73 Resp: 92652
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5





#29

Chloroform

Concen: 10.168 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.016 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

Instrument :

MSVOA_L

ClientSampleId :

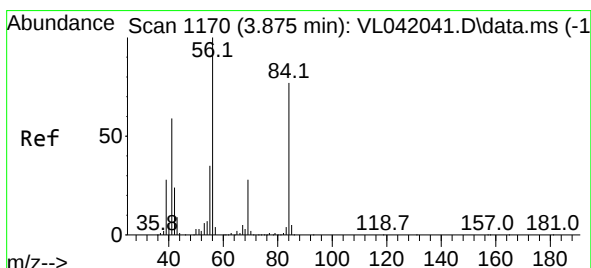
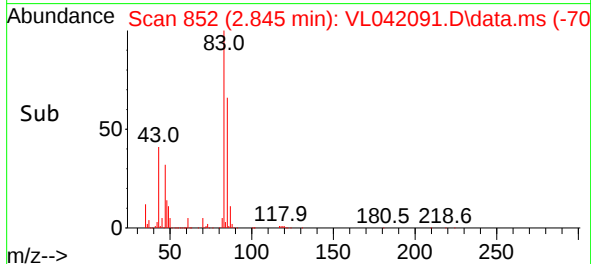
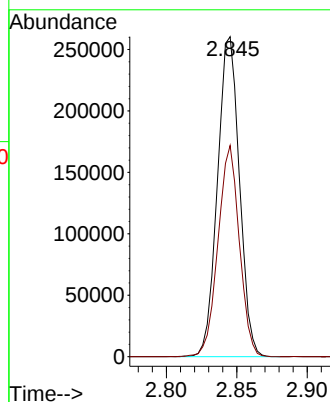
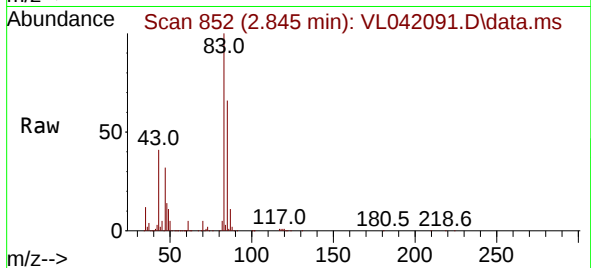
VL0303ABS02

Tgt Ion: 83 Resp: 282799

Ion Ratio Lower Upper

83 100

85 66.0 51.2 76.8



#30

Cyclohexane

Concen: 9.486 ppbv

RT: 3.849 min Scan# 1162

Delta R.T. -0.026 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

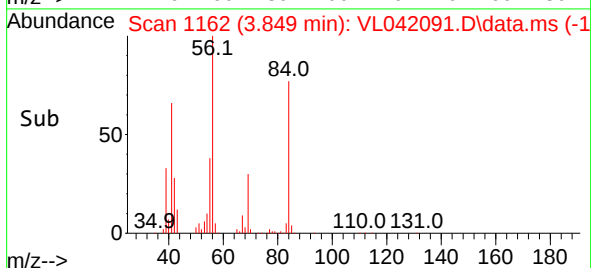
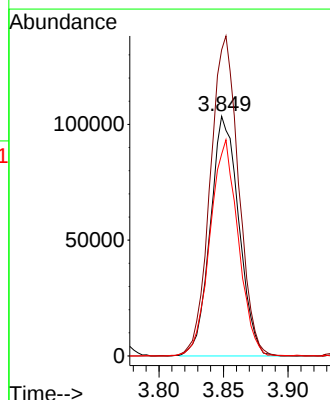
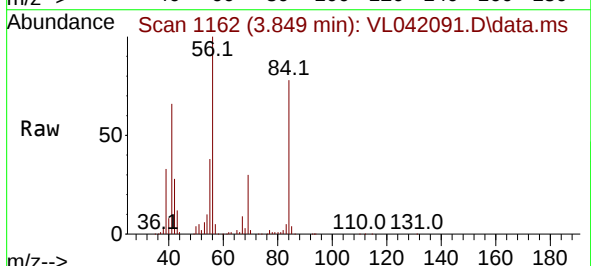
Tgt Ion: 84 Resp: 159104

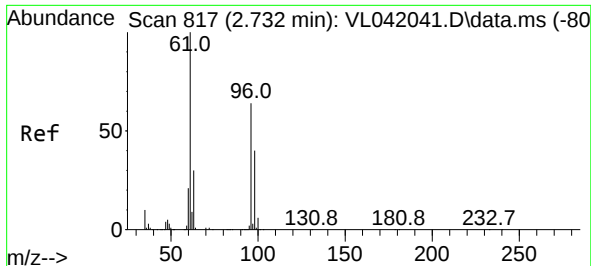
Ion Ratio Lower Upper

84 100

56 132.6 101.5 152.3

41 89.1 62.6 93.8

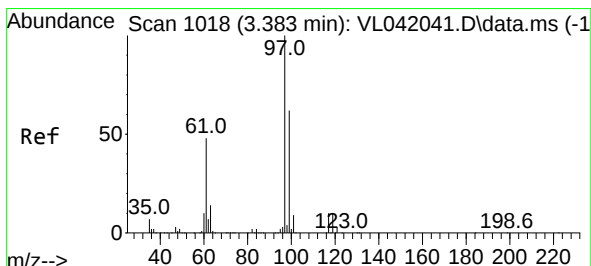
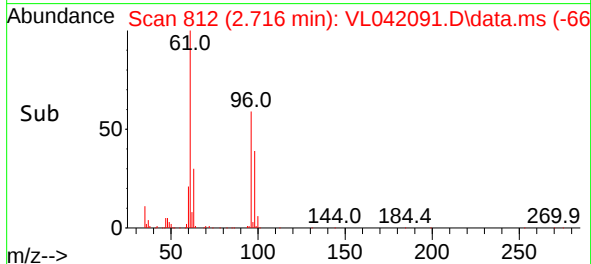
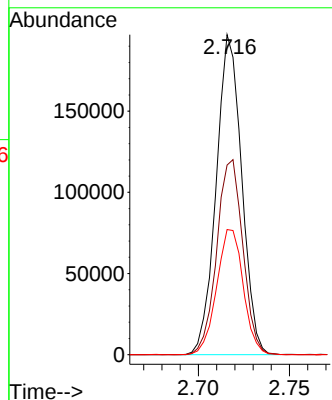
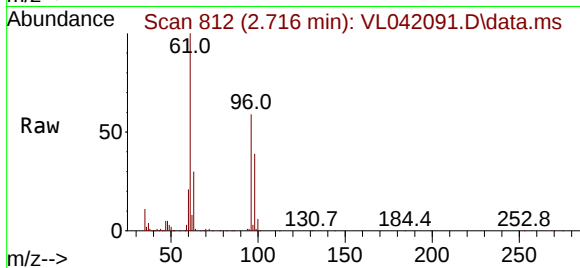




#31
 cis-1,2-Dichloroethene
 Concen: 9.819 ppbv
 RT: 2.716 min Scan# 817
 Delta R.T. -0.016 min
 Lab File: VL042091.D
 Acq: 03 Mar 2025 22:33

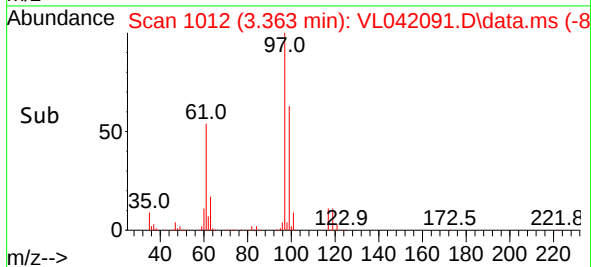
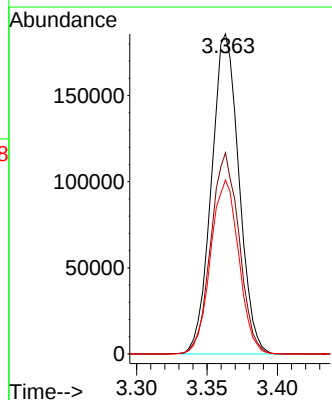
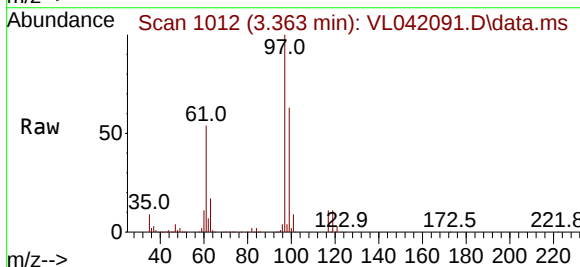
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS02

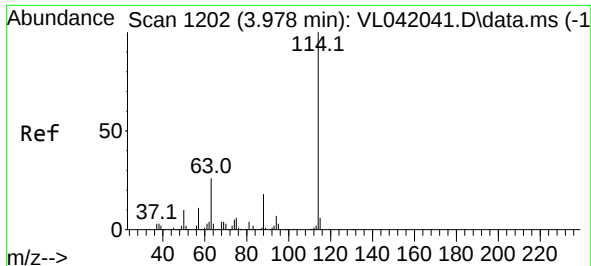
Tgt Ion: 61 Resp: 192074
 Ion Ratio Lower Upper
 61 100
 96 59.3 51.5 77.3
 98 39.1 32.0 48.0



#32
 1,1,1-Trichloroethane
 Concen: 9.359 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.020 min
 Lab File: VL042091.D
 Acq: 03 Mar 2025 22:33

Tgt Ion: 97 Resp: 252498
 Ion Ratio Lower Upper
 97 100
 99 64.3 49.8 74.6
 61 55.7 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.026 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

Instrument :

MSVOA_L

ClientSampleId :

VL0303ABS02

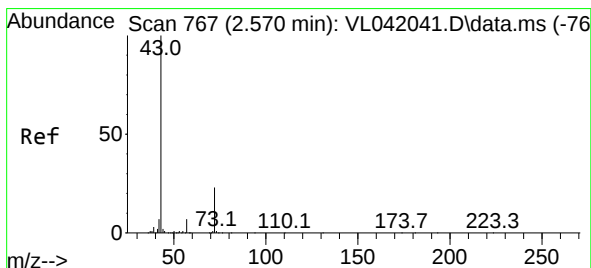
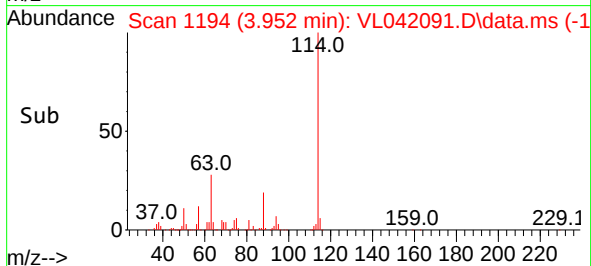
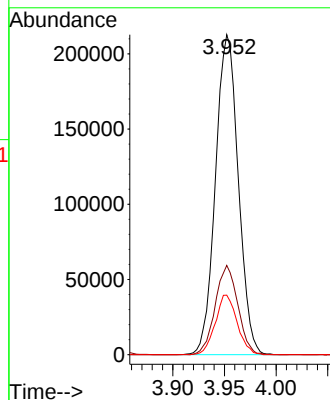
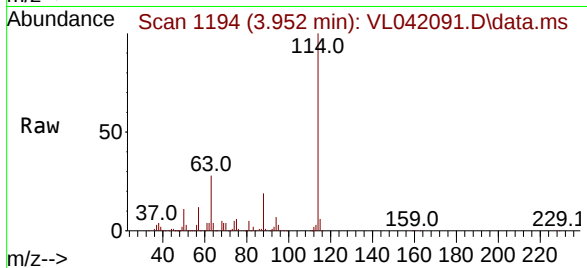
Tgt Ion:114 Resp: 327594

Ion Ratio Lower Upper

114 100

63 27.6 20.1 30.1

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 12.136 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.016 min

Lab File: VL042091.D

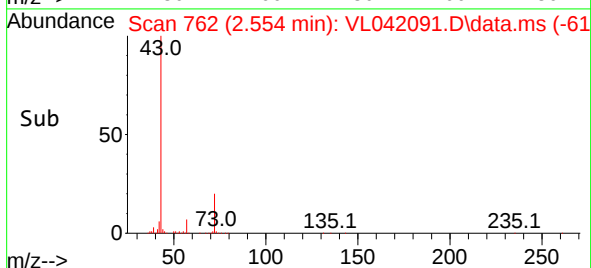
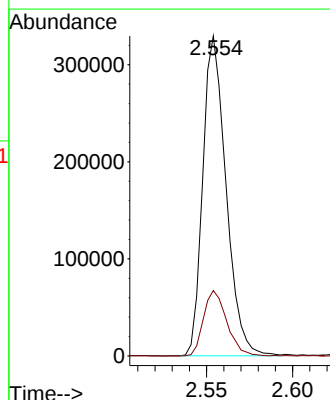
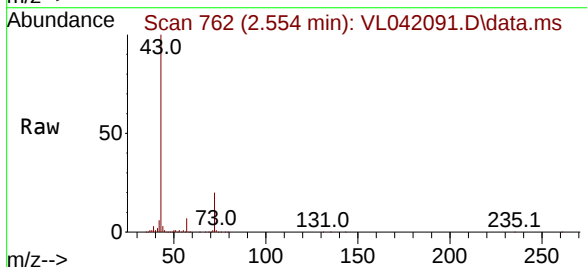
Acq: 03 Mar 2025 22:33

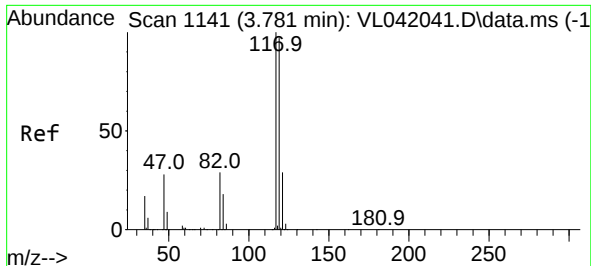
Tgt Ion: 43 Resp: 309717

Ion Ratio Lower Upper

43 100

72 20.6 18.5 27.7

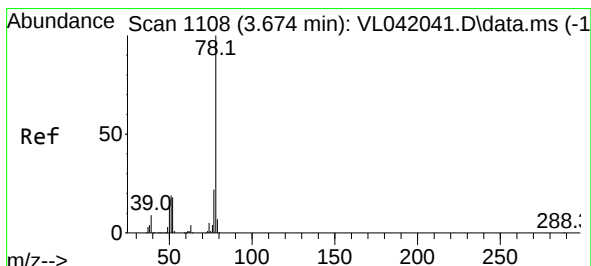
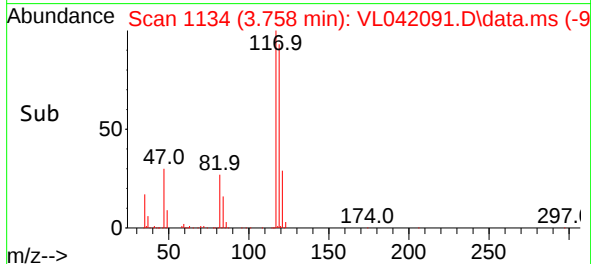
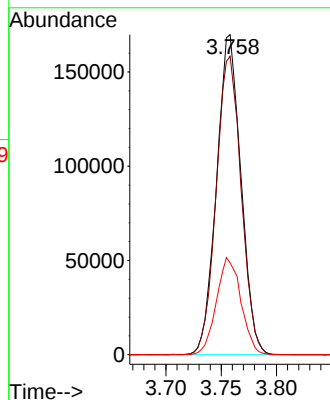
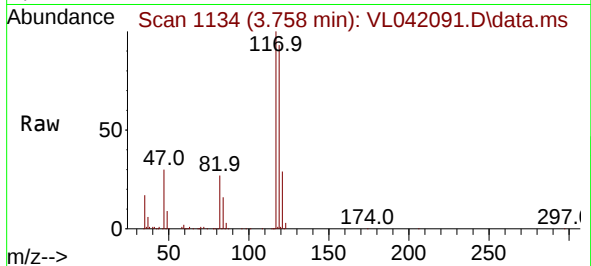




#35
Carbon Tetrachloride
Concen: 11.523 ppbv
RT: 3.758 min Scan# 111
Delta R.T. -0.023 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

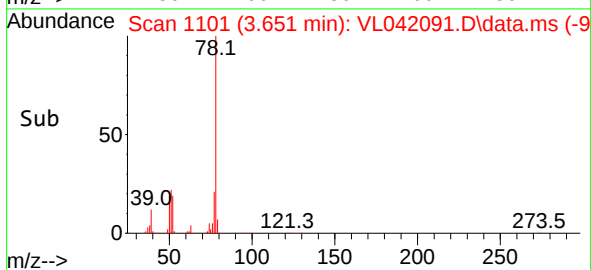
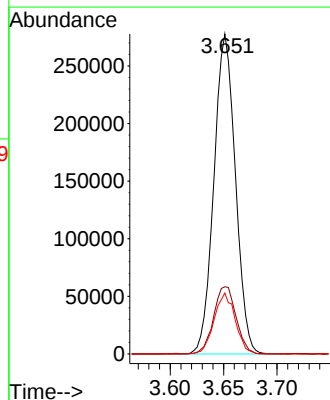
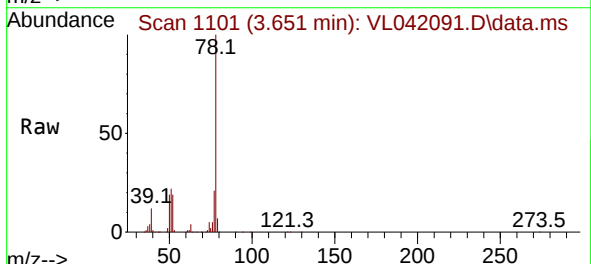
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

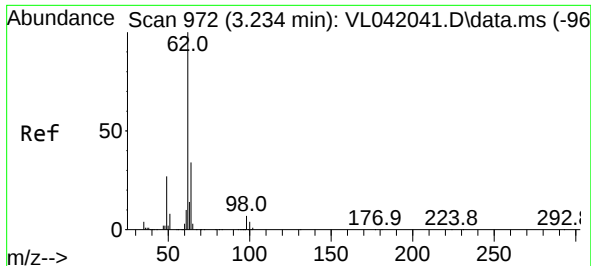
Tgt Ion:117 Resp: 260309
Ion Ratio Lower Upper
117 100
119 93.2 77.8 116.8
121 28.7 23.4 35.0



#36
Benzene
Concen: 11.336 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.023 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 78 Resp: 388754
Ion Ratio Lower Upper
78 100
77 21.0 17.7 26.5
50 19.1 13.9 20.9





#37

1,2-Dichloroethane

Concen: 11.461 ppbv

RT: 3.214 min Scan# 91

Delta R.T. -0.020 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

Instrument :

MSVOA_L

ClientSampleId :

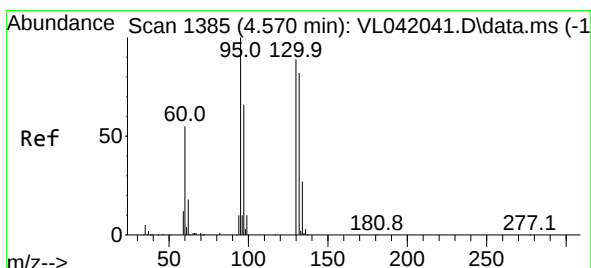
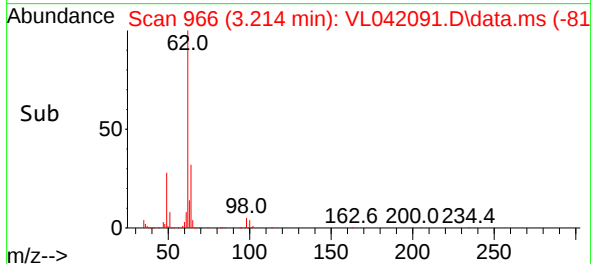
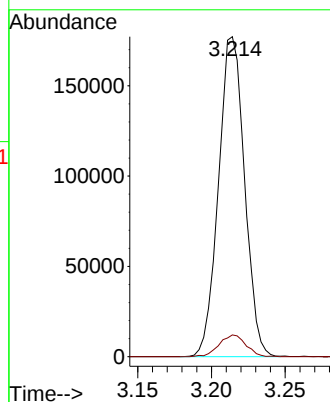
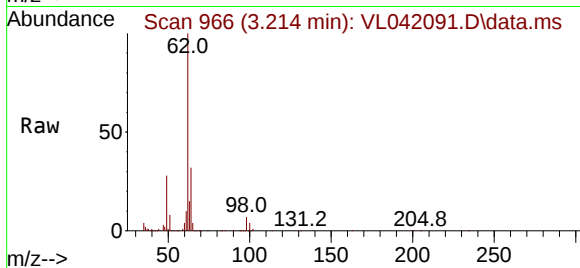
VL0303ABS02

Tgt Ion: 62 Resp: 217922

Ion Ratio Lower Upper

62 100

98 7.0 5.7 8.5



#38

Trichloroethene

Concen: 10.550 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. -0.029 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

Tgt Ion:130 Resp: 147738

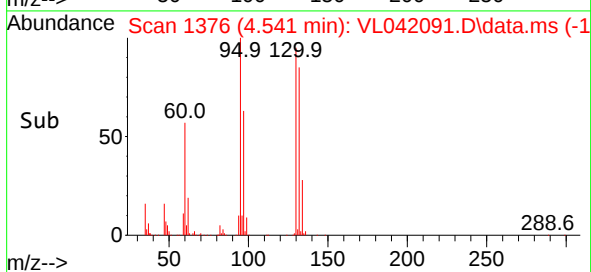
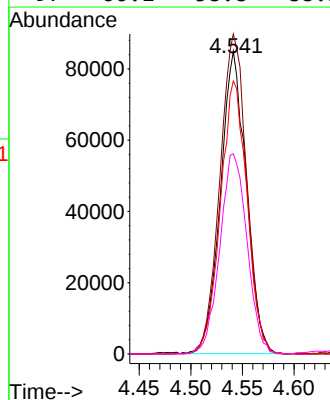
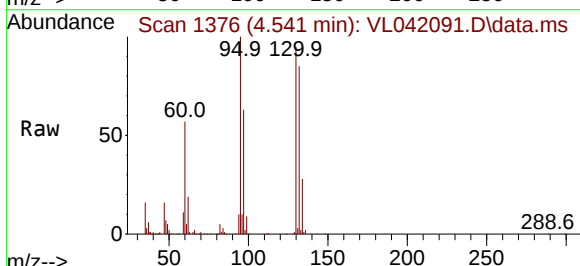
Ion Ratio Lower Upper

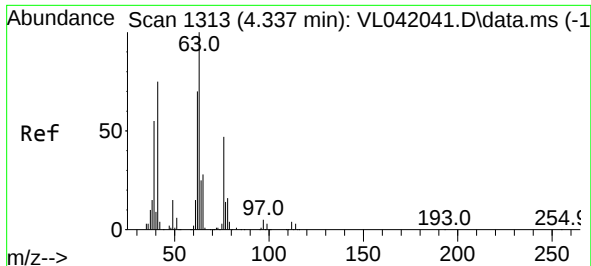
130 100

95 105.6 89.5 134.3

132 90.2 73.8 110.6

97 66.1 58.8 88.2





#39

1,2-Dichloropropane

Concen: 11.289 ppbv

RT: 4.308 min Scan# 11

Delta R.T. -0.029 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

Instrument :

MSVOA_L

ClientSampleId :

VL0303ABS02

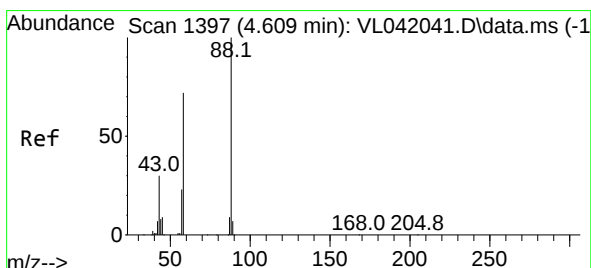
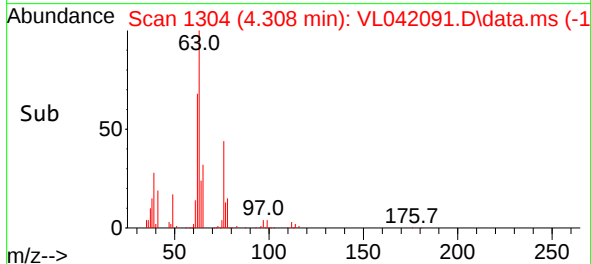
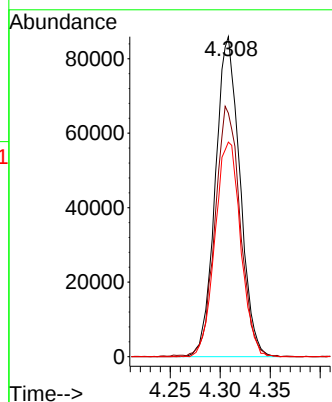
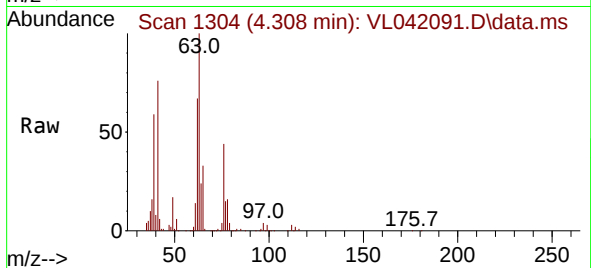
Tgt Ion: 63 Resp: 146953

Ion Ratio Lower Upper

63 100

41 76.0 60.1 90.1

62 67.1 55.8 83.8



#40

1,4-Dioxane

Concen: 10.588 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. -0.033 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

Tgt Ion: 88 Resp: 62914

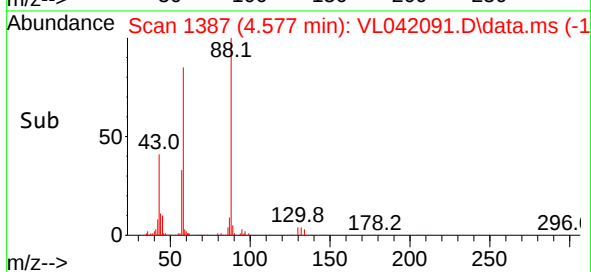
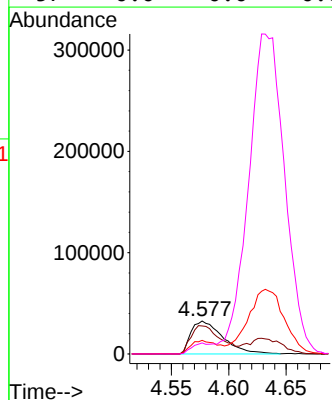
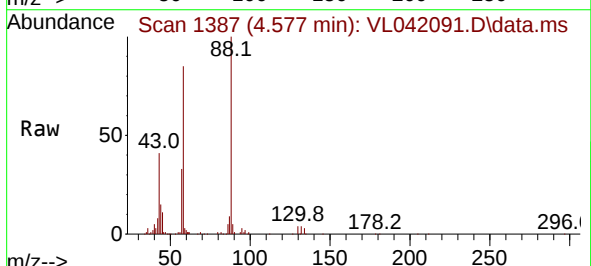
Ion Ratio Lower Upper

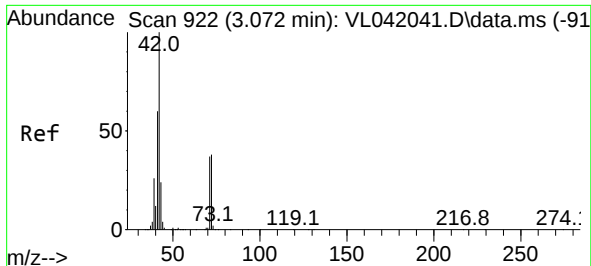
88 100

58 79.2 62.6 94.0

43 35.1 0.0 0.0#

57 0.0 0.0 0.0

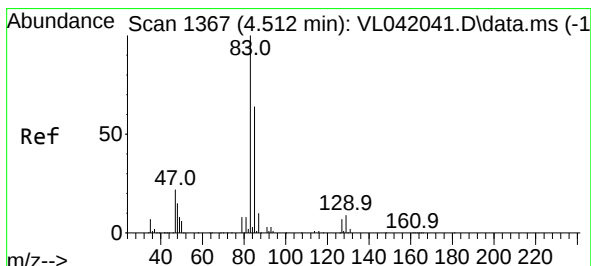
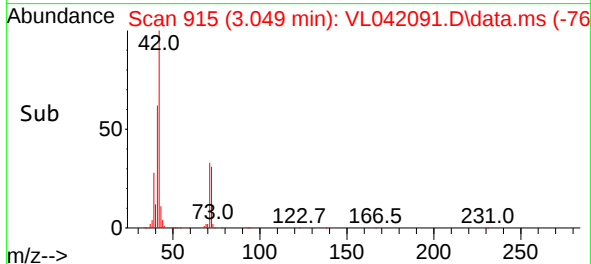
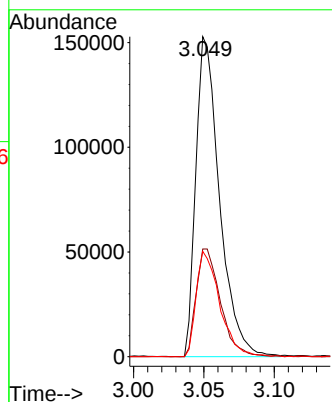
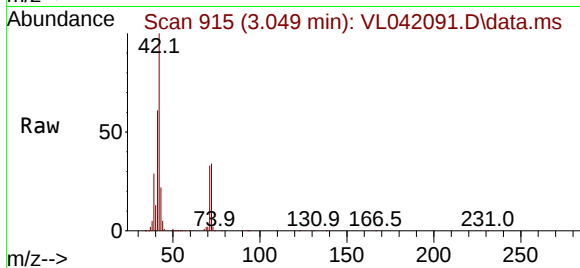




#41
Tetrahydrofuran
Concen: 11.876 ppbv
RT: 3.049 min Scan# 915
Delta R.T. -0.023 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

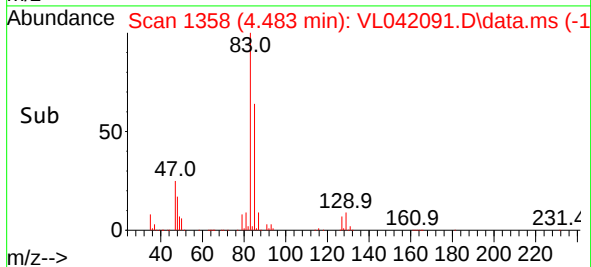
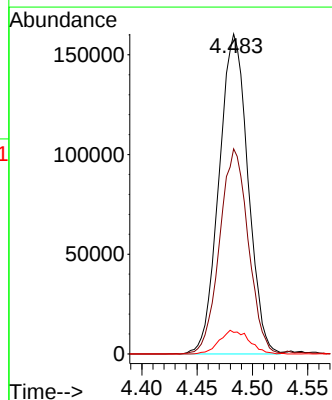
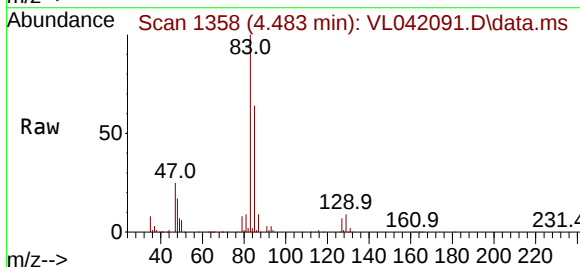
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

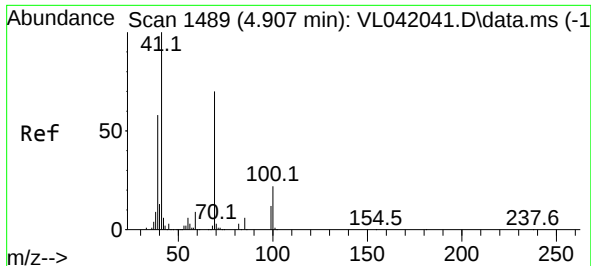
Tgt Ion: 42 Resp: 179086
Ion Ratio Lower Upper
42 100
72 34.4 30.2 45.2
71 32.6 28.2 42.4



#42
Bromodichloromethane
Concen: 11.391 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.029 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 83 Resp: 291820
Ion Ratio Lower Upper
83 100
85 64.1 51.4 77.2
127 6.8 5.8 8.6

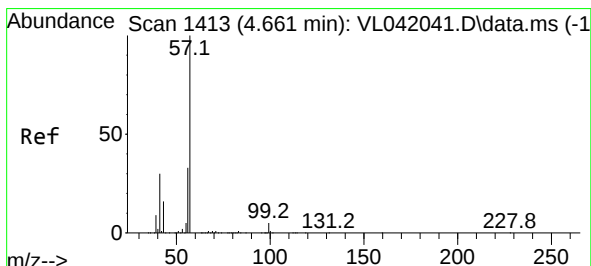
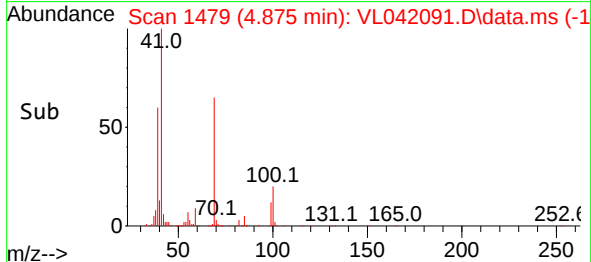
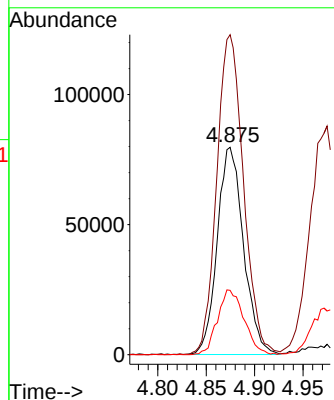
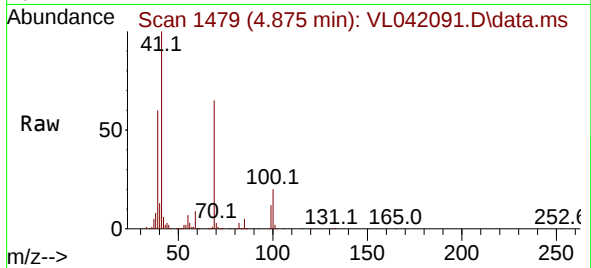




#43
Methyl Methacrylate
Concen: 11.246 ppbv
RT: 4.875 min Scan# 1489
Delta R.T. -0.033 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

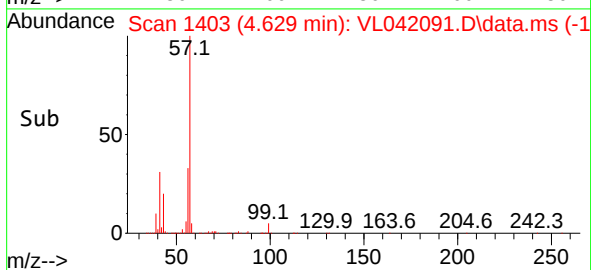
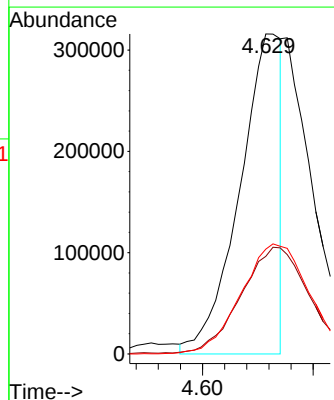
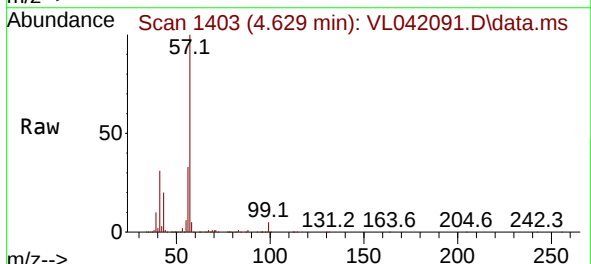
Instrument :
MSVOA_1
ClientSampleId :
VL0303ABS02

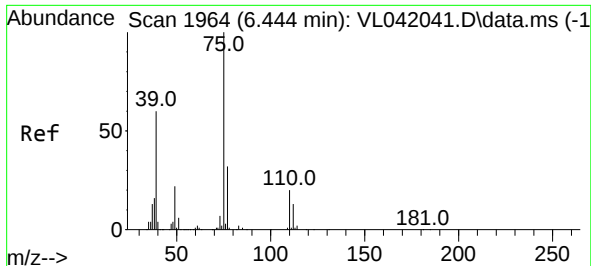
Tgt Ion: 69 Resp: 150615
Ion Ratio Lower Upper
69 100
41 156.9 118.2 177.4
100 31.5 27.0 40.4



#44
2,2,4-Trimethylpentane
Concen: 6.836 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.033 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 57 Resp: 413746
Ion Ratio Lower Upper
57 100
41 55.1 24.4 36.6#
56 56.3 26.5 39.7#

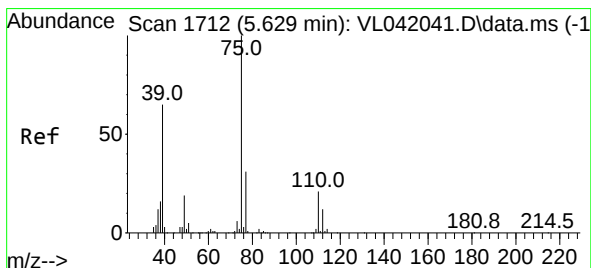
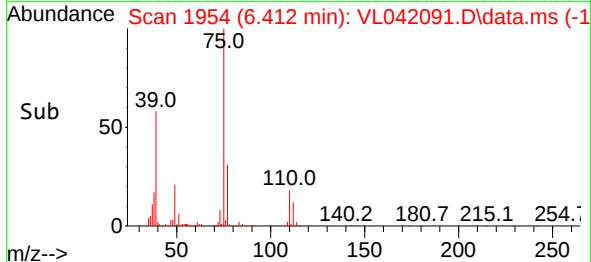
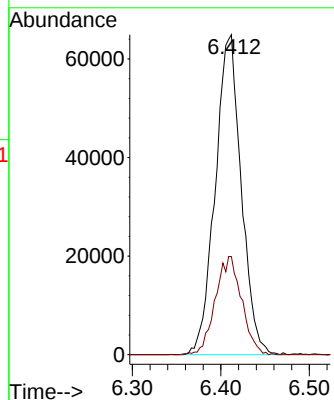
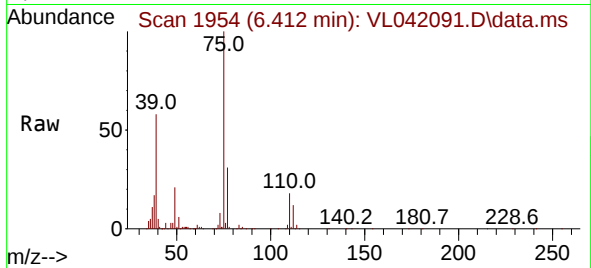




#45
t-1,3-Dichloropropene
Concen: 9.965 ppbv
RT: 6.412 min Scan# 1964
Delta R.T. -0.033 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

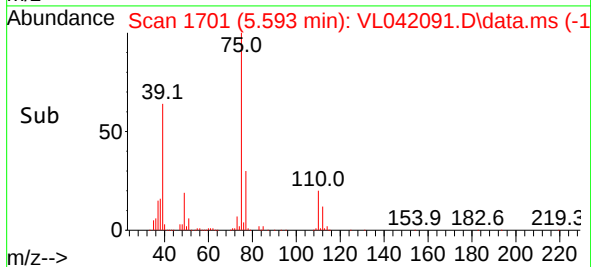
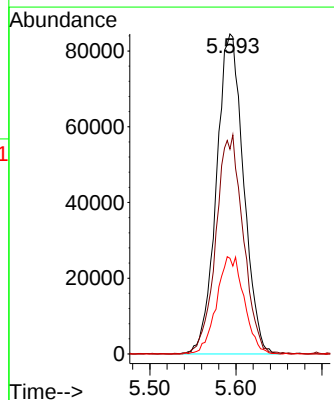
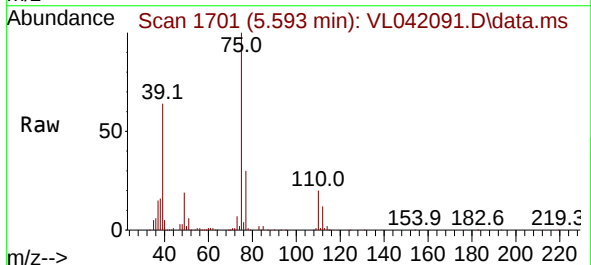
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

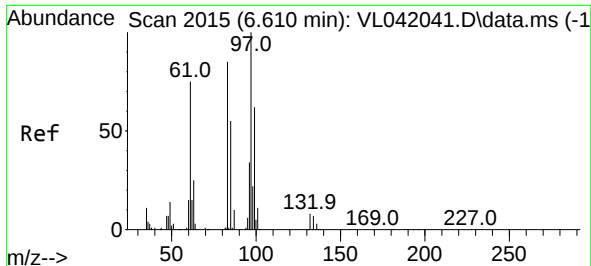
Tgt Ion: 75 Resp: 132594
Ion Ratio Lower Upper
75 100
77 30.7 25.9 38.9



#46
cis-1,3-Dichloropropene
Concen: 10.737 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.036 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 75 Resp: 184875
Ion Ratio Lower Upper
75 100
39 63.9 51.9 77.9
77 29.9 24.9 37.3

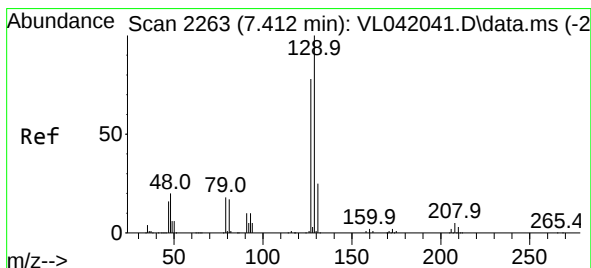
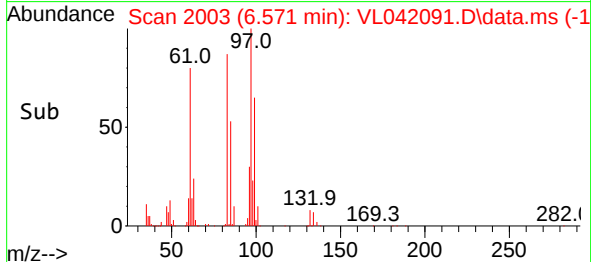
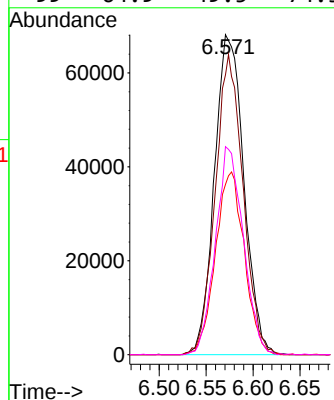
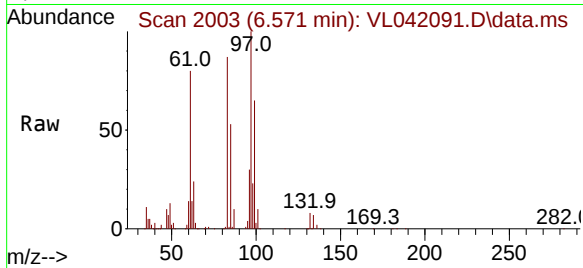




#47
 1,1,2-Trichloroethane
 Concen: 11.219 ppbv
 RT: 6.571 min Scan# 2015
 Delta R.T. -0.039 min
 Lab File: VL042091.D
 Acq: 03 Mar 2025 22:33

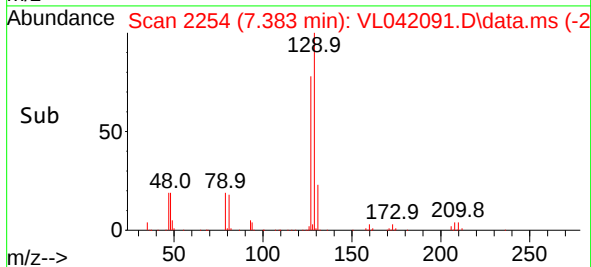
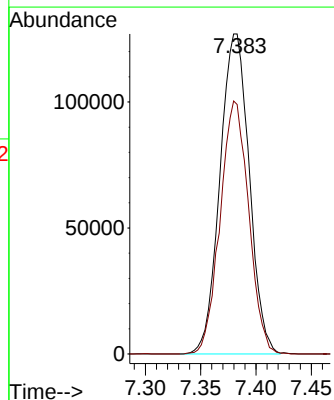
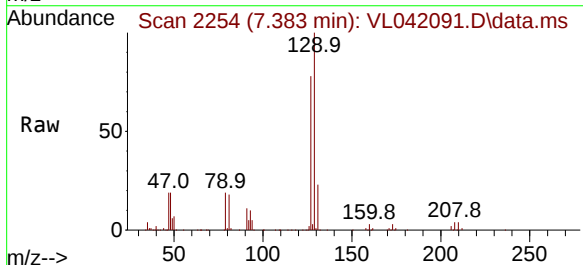
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS02

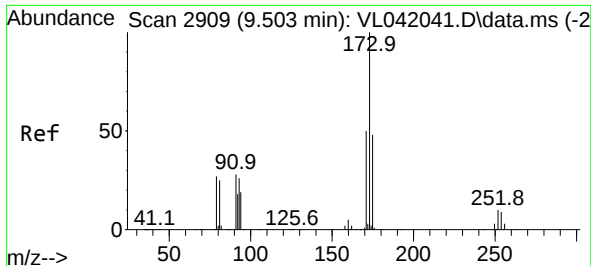
Tgt Ion: 97 Resp: 148260
 Ion Ratio Lower Upper
 97 100
 83 87.4 68.1 102.1
 85 53.2 44.0 66.0
 99 64.9 49.5 74.3



#48
 Dibromochloromethane
 Concen: 11.305 ppbv
 RT: 7.383 min Scan# 2254
 Delta R.T. -0.029 min
 Lab File: VL042091.D
 Acq: 03 Mar 2025 22:33

Tgt Ion: 129 Resp: 233969
 Ion Ratio Lower Upper
 129 100
 127 77.0 38.6 115.8

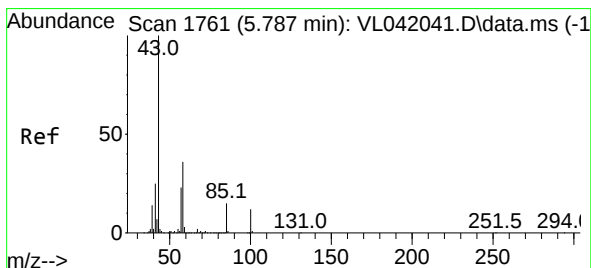
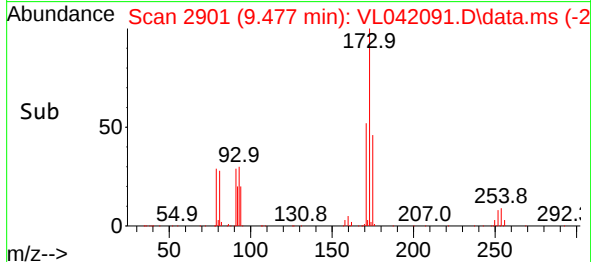
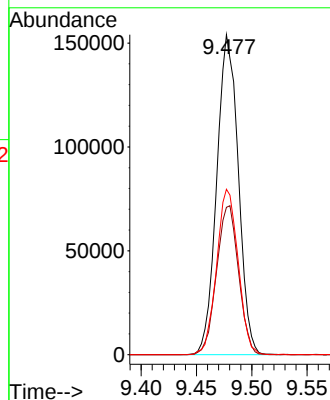
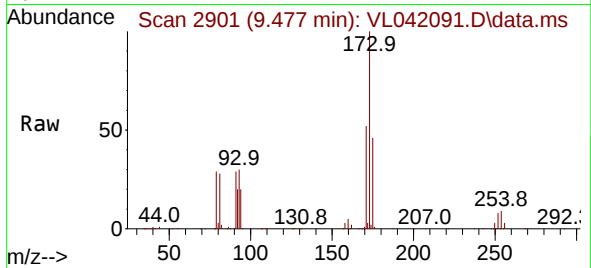




#49
Bromoform
Concen: 11.613 ppbv
RT: 9.477 min Scan# 2909
Delta R.T. -0.026 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

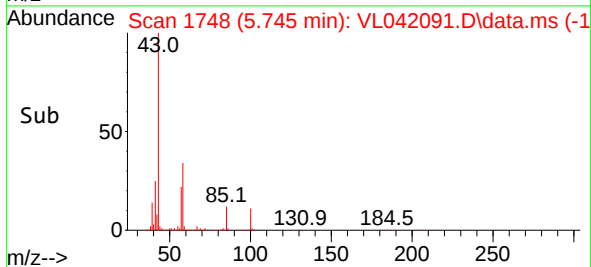
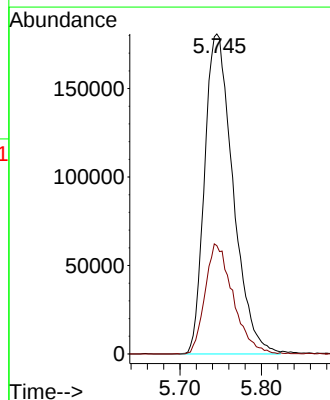
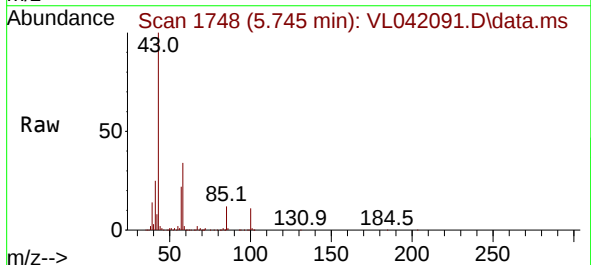
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

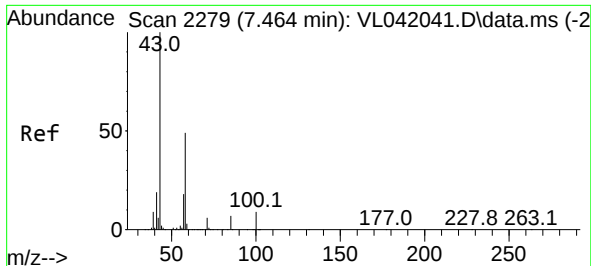
Tgt Ion:173 Resp: 208721
Ion Ratio Lower Upper
173 100
175 47.5 38.3 57.5
171 51.6 40.2 60.2



#50
4-Methyl-2-Pentanone
Concen: 13.282 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.042 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 43 Resp: 438384
Ion Ratio Lower Upper
43 100
58 33.9 29.3 43.9

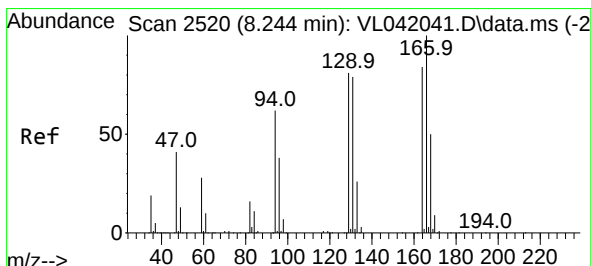
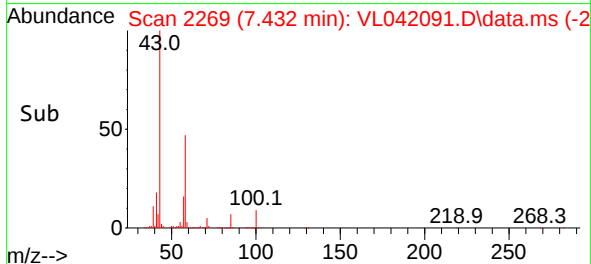
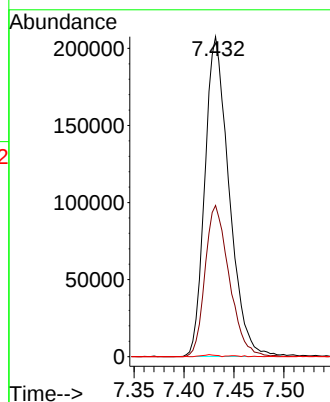
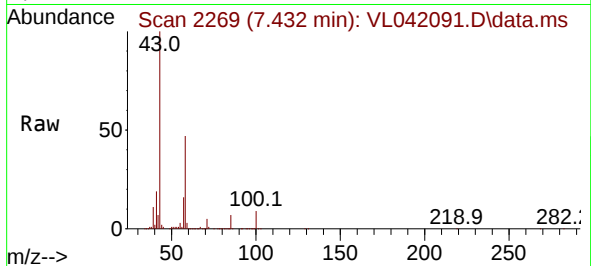




#51
2-Hexanone
Concen: 15.425 ppbv
RT: 7.432 min Scan# 21
Delta R.T. -0.033 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

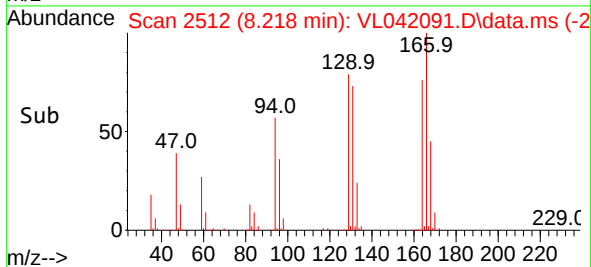
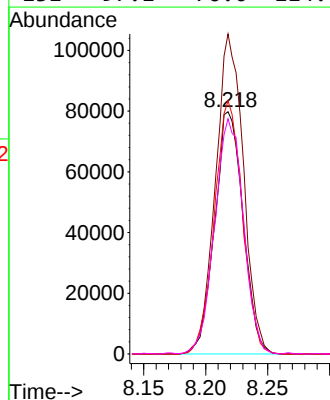
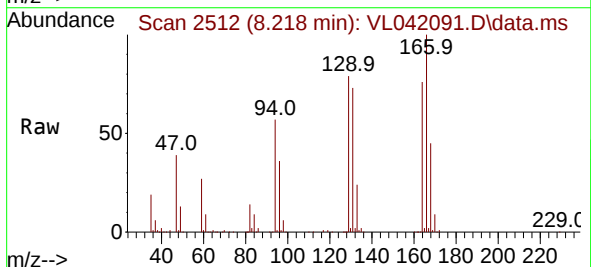
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

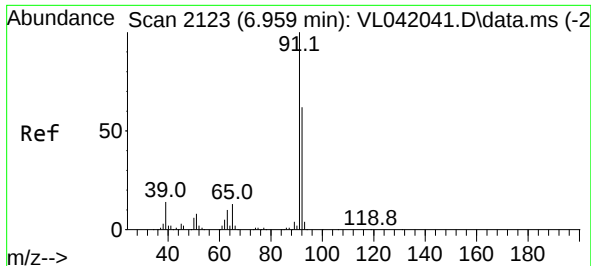
Tgt Ion: 43 Resp: 350416
Ion Ratio Lower Upper
43 100
58 47.4 39.0 58.6
98 0.6 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.846 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.026 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 164 Resp: 127330
Ion Ratio Lower Upper
164 100
166 132.1 95.7 143.5
129 104.4 77.1 115.7
131 97.1 76.0 114.0

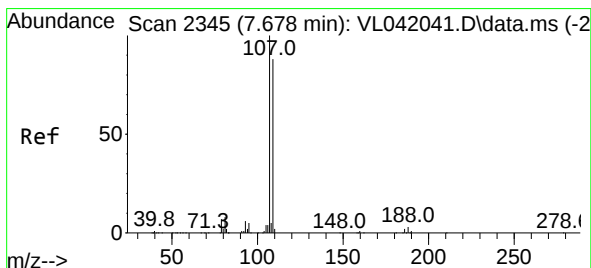
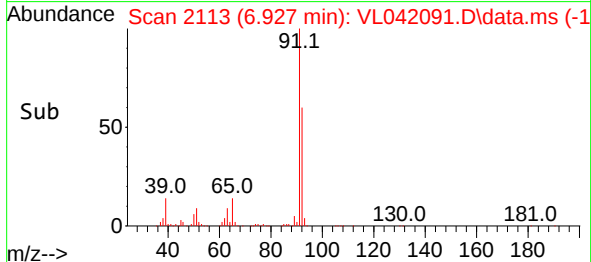
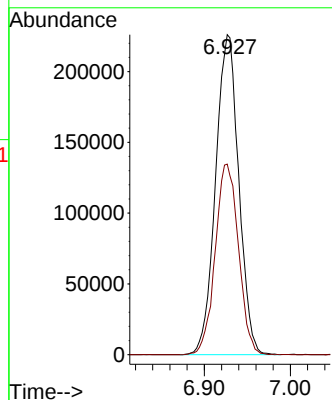
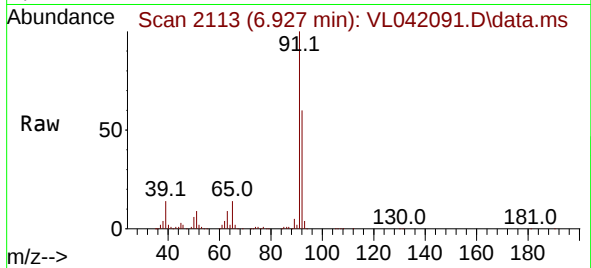




#53
Toluene
Concen: 11.032 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.033 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

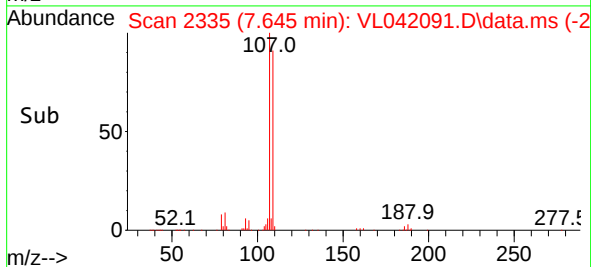
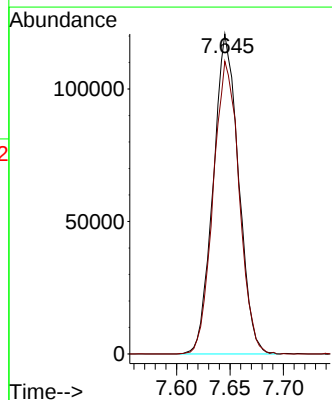
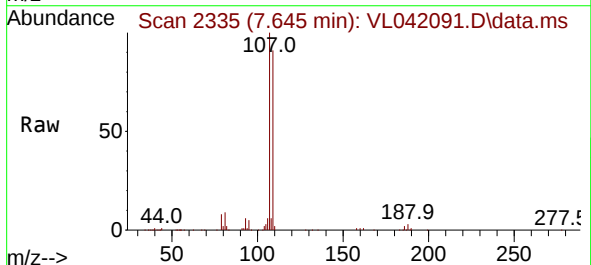
Instrument :
MSVOA_1
ClientSampleId :
VL0303ABS02

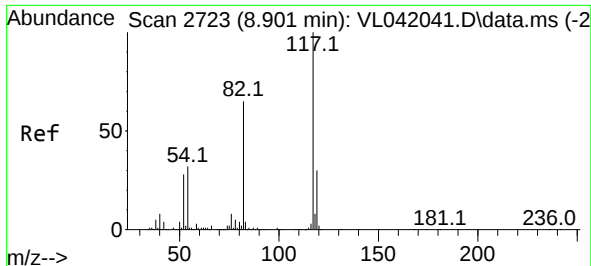
Tgt Ion: 91 Resp: 422840
Ion Ratio Lower Upper
91 100
92 59.8 49.0 73.6



#54
1,2-Dibromoethane
Concen: 11.164 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.033 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 107 Resp: 199457
Ion Ratio Lower Upper
107 100
109 91.4 70.2 105.4

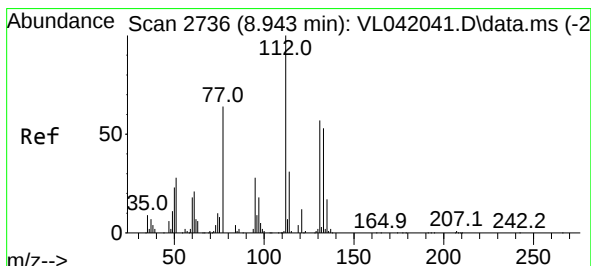
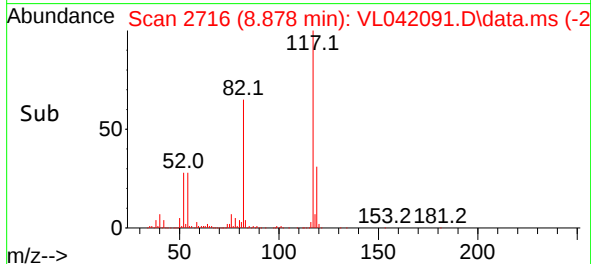
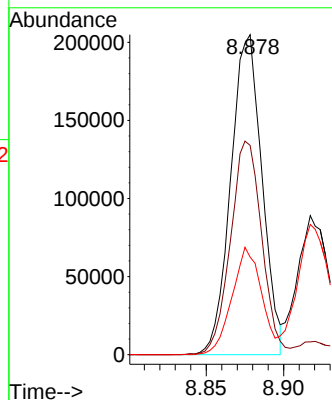
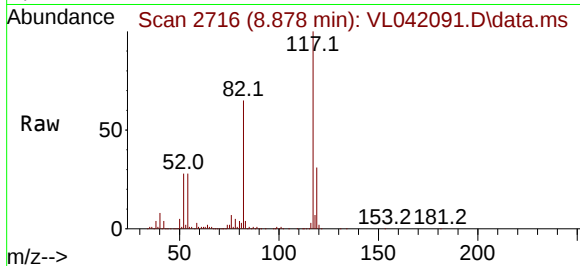




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.023 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

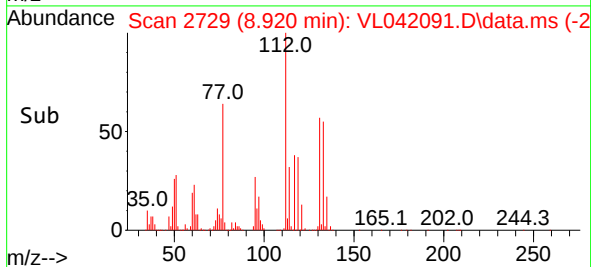
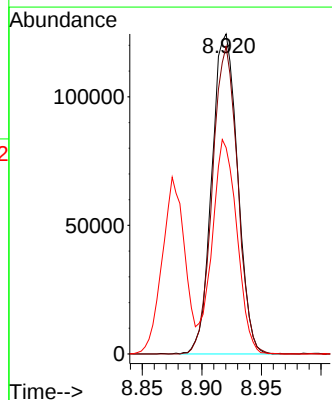
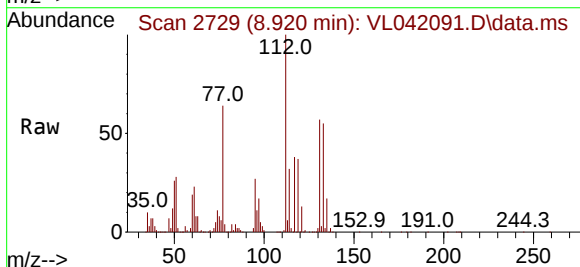
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

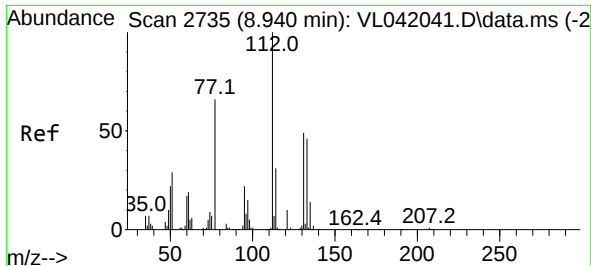
Tgt Ion:117 Resp: 287513
Ion Ratio Lower Upper
117 100
82 67.8 55.0 82.6
119 33.5 25.9 38.9



#56
1,1,1,2-Tetrachloroethane
Concen: 11.507 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.023 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion:131 Resp: 187001
Ion Ratio Lower Upper
131 100
133 94.4 75.8 113.8
119 63.5 52.1 78.1

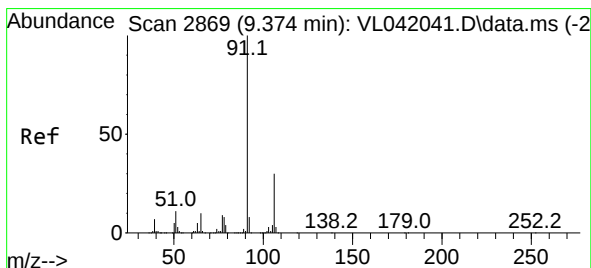
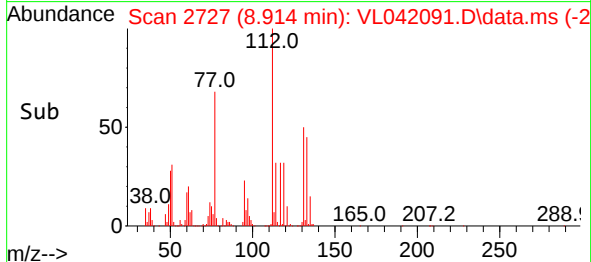
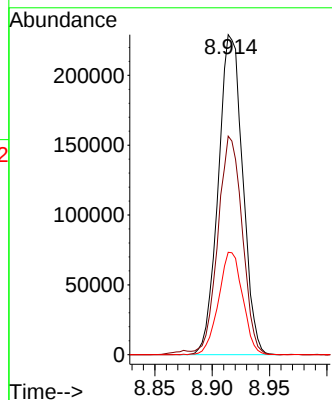
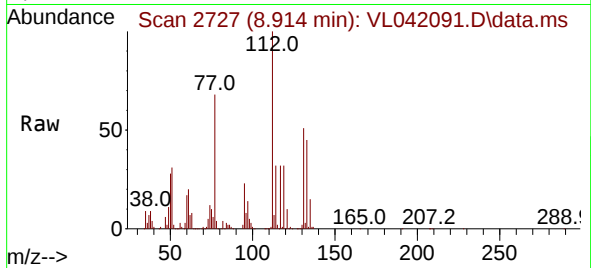




#57
Chlorobenzene
Concen: 11.400 ppbv
RT: 8.914 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

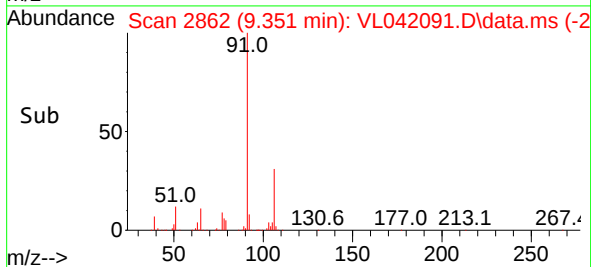
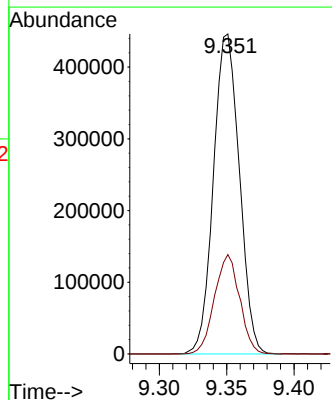
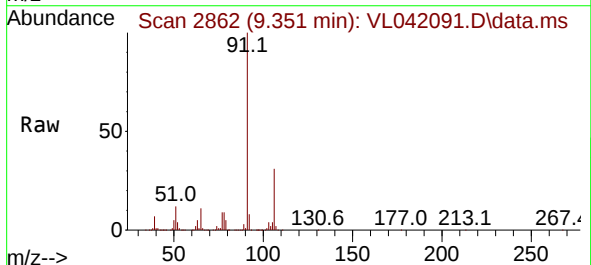
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

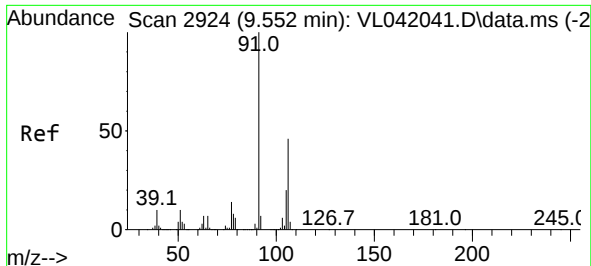
Tgt Ion:112 Resp: 339822
Ion Ratio Lower Upper
112 100
77 68.3 53.4 80.2
114 32.0 28.3 34.5



#58
Ethyl Benzene
Concen: 11.265 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.023 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 91 Resp: 596488
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.2





#59

m/p-Xylene

Concen: 11.679 ppbv

RT: 9.526 min Scan# 2916

Delta R.T. -0.026 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

Instrument :

MSVOA_1

ClientSampleId :

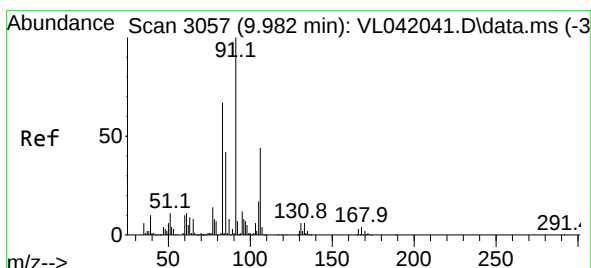
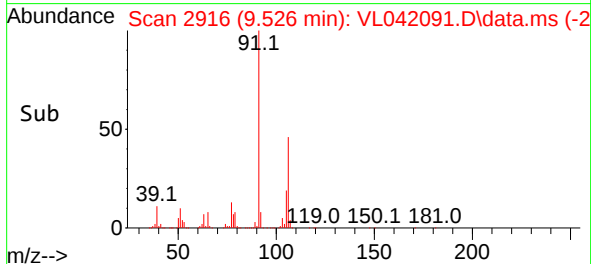
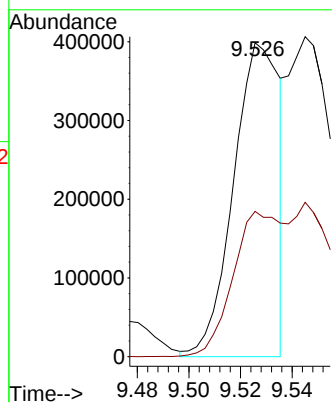
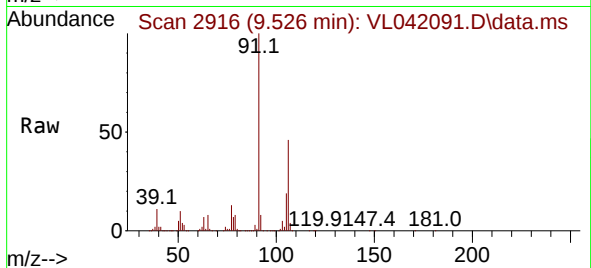
VL0303ABS02

Tgt Ion: 91 Resp: 492129

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 11.777 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.023 min

Lab File: VL042091.D

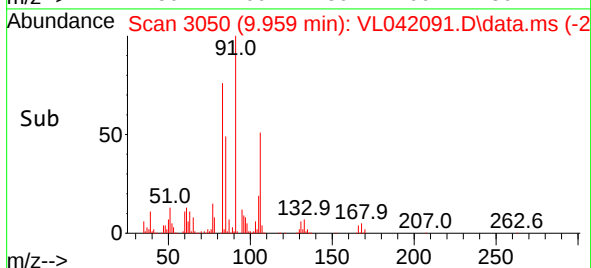
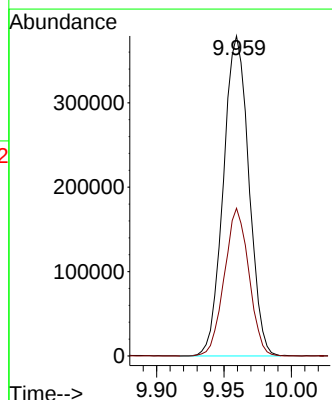
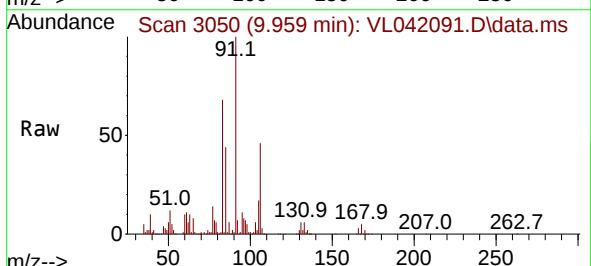
Acq: 03 Mar 2025 22:33

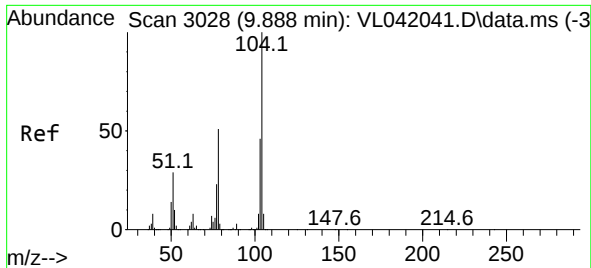
Tgt Ion: 91 Resp: 498859

Ion Ratio Lower Upper

91 100

106 44.4 22.3 66.8

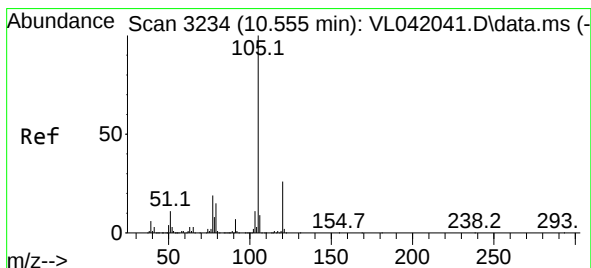
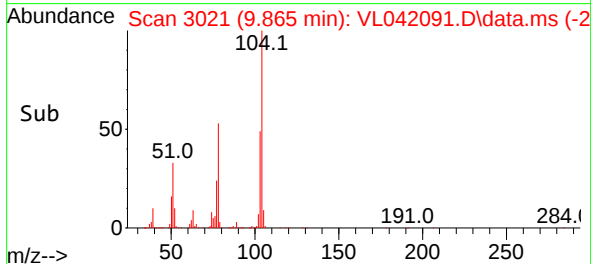
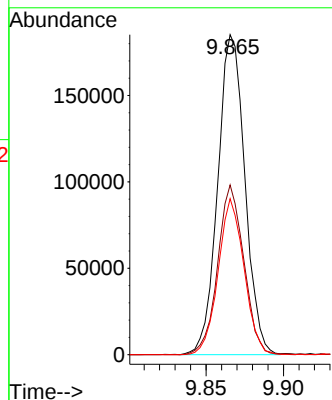
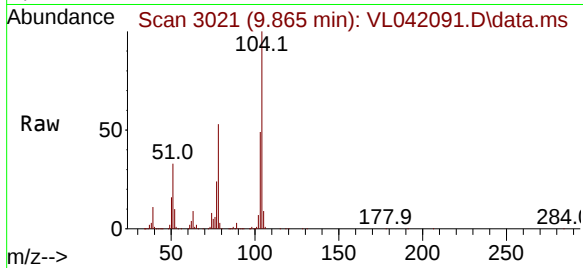




#61
Styrene
Concen: 11.336 ppbv
RT: 9.865 min Scan# 3028
Delta R.T. -0.023 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

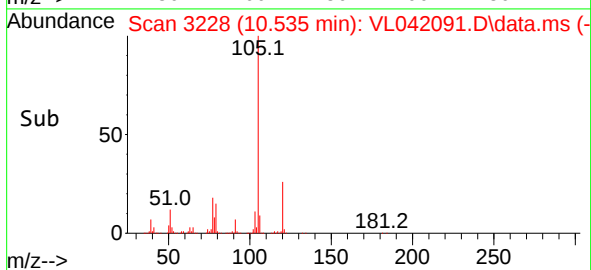
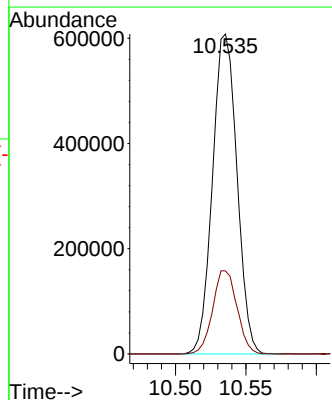
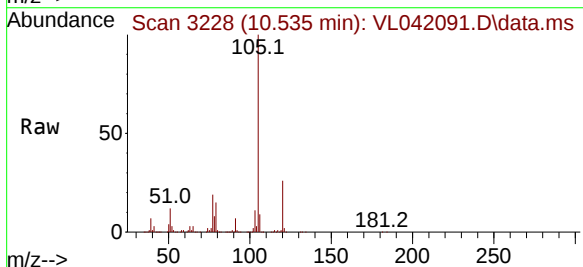
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

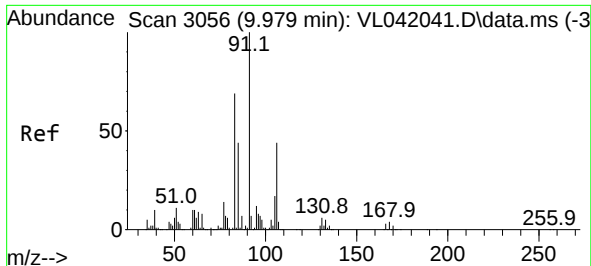
Tgt Ion:104 Resp: 225758
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.4
103 46.4 37.0 55.6



#62
Isopropylbenzene
Concen: 11.590 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.020 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion:105 Resp: 735310
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1

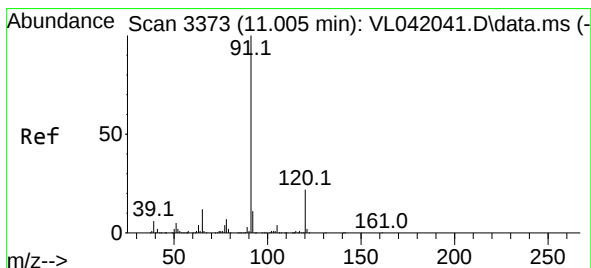
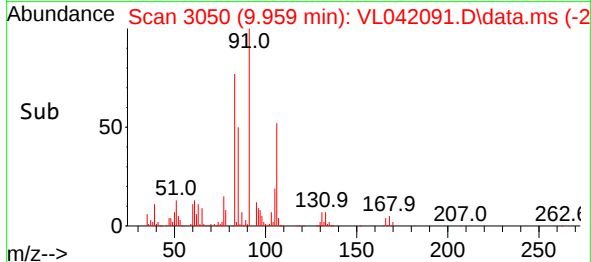
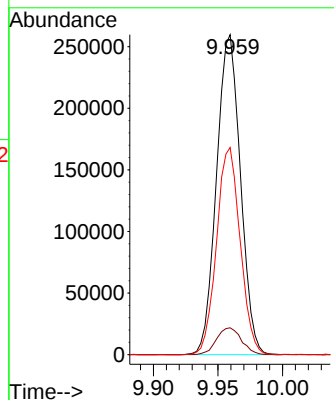
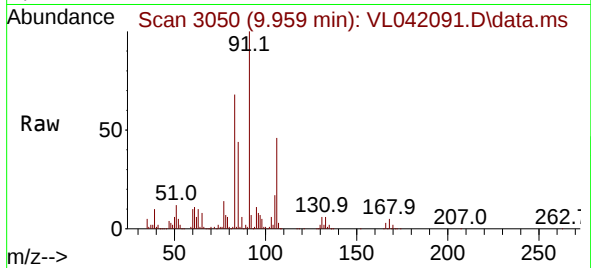




#63
1,1,2,2-Tetrachloroethane
Concen: 12.006 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.020 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

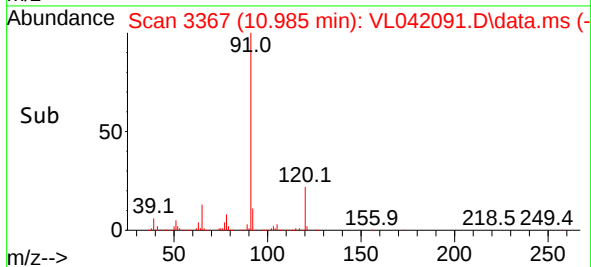
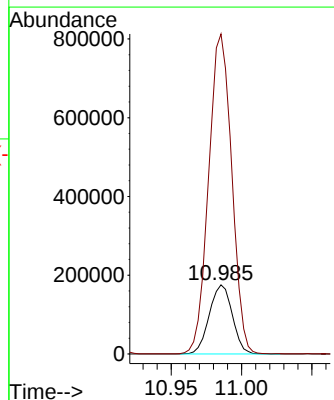
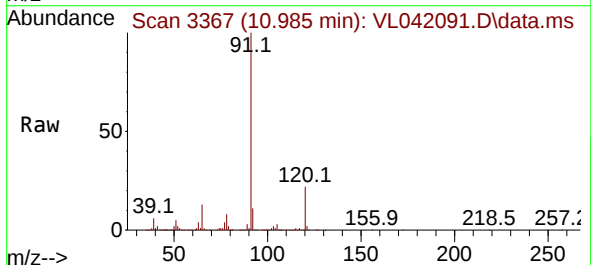
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

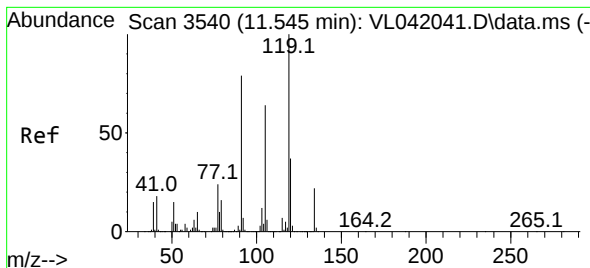
Tgt Ion: 83 Resp: 334918
Ion Ratio Lower Upper
83 100
131 8.8 4.5 13.7
85 63.7 32.1 96.3



#64
n-propylbenzene
Concen: 11.967 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.020 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 120 Resp: 199133
Ion Ratio Lower Upper
120 100
91 466.1 370.6 556.0

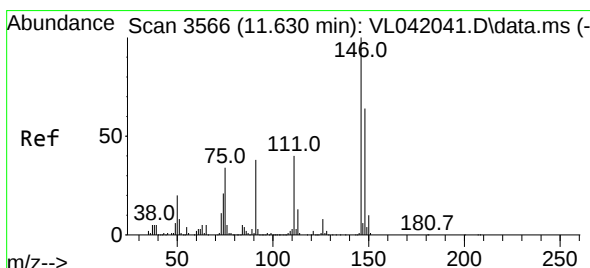
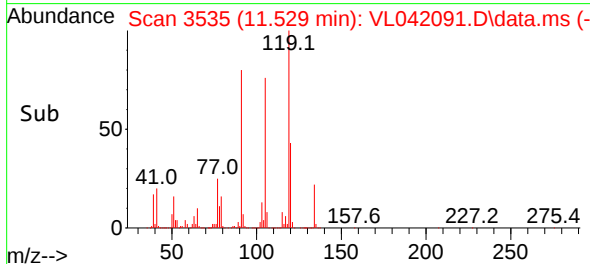
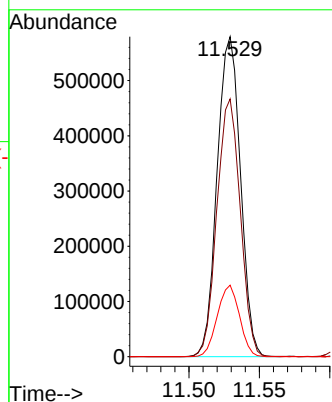
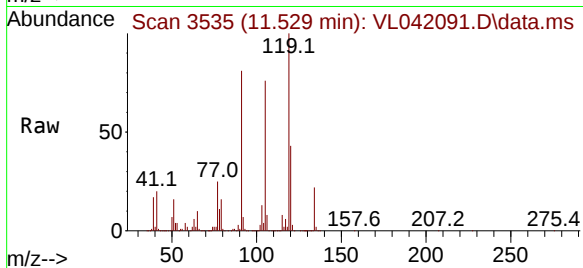




#65
tert-Butylbenzene
Concen: 11.593 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.016 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

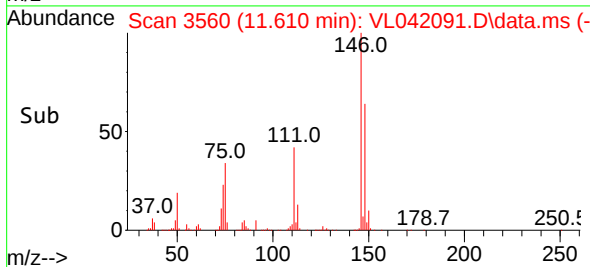
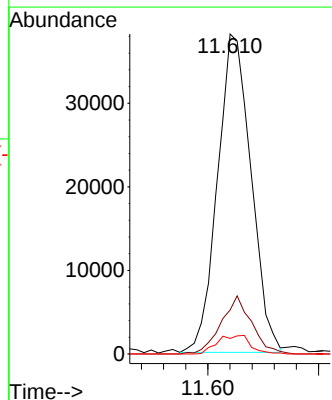
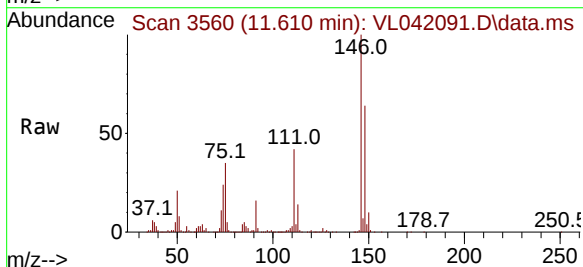
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

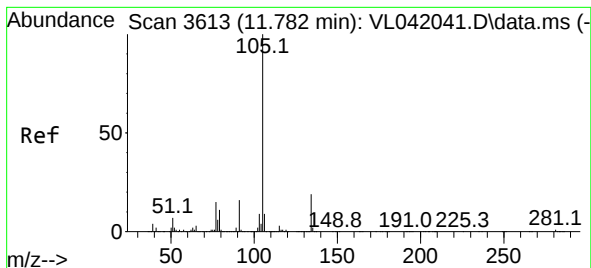
Tgt Ion:119 Resp: 669374
Ion Ratio Lower Upper
119 100
91 80.6 64.2 96.2
134 21.3 17.4 26.2



#66
Benzyl Chloride
Concen: 9.082 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.020 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 91 Resp: 40012
Ion Ratio Lower Upper
91 100
126 16.6 14.5 21.7
128 5.8 5.4 8.2

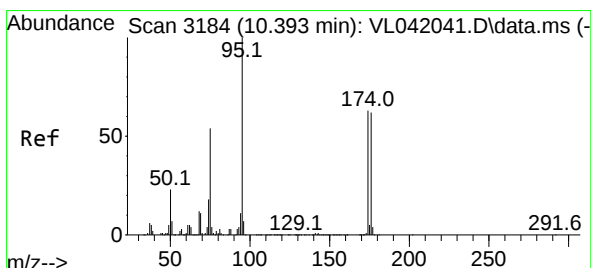
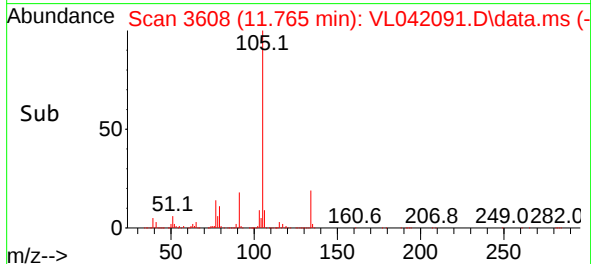
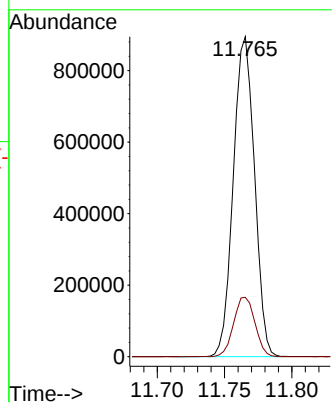
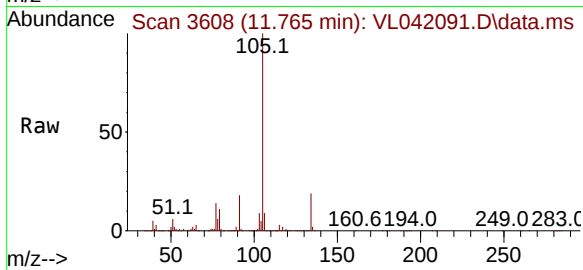




#67
 sec-Butylbenzene
 Concen: 11.862 ppbv
 RT: 11.765 min Scan# 3177
 Delta R.T. -0.016 min
 Lab File: VL042091.D
 Acq: 03 Mar 2025 22:33

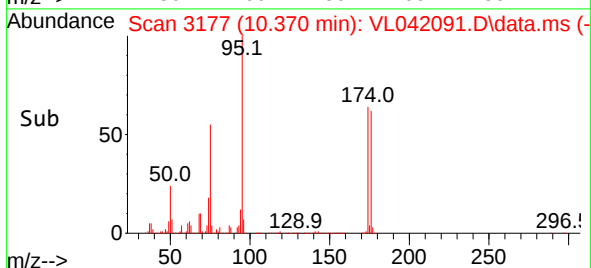
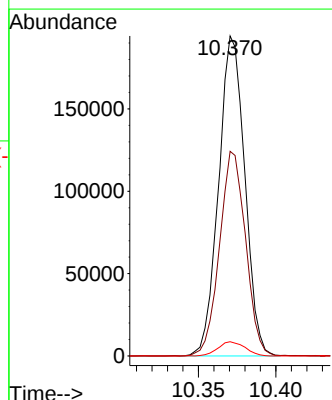
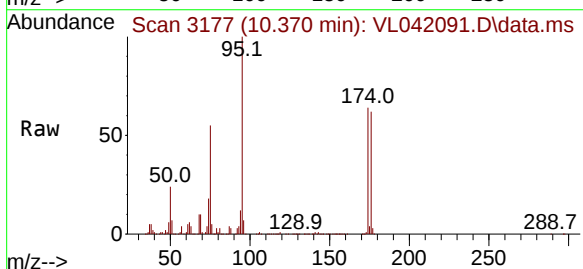
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0303ABS02

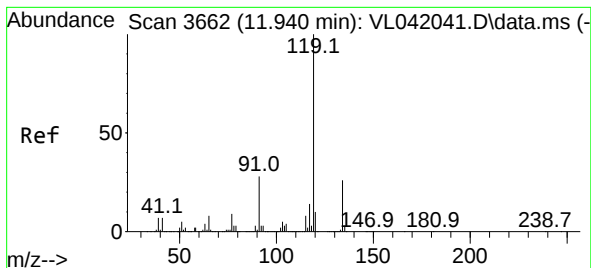
Tgt Ion:105 Resp: 979518
 Ion Ratio Lower Upper
 105 100
 134 18.7 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.296 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.023 min
 Lab File: VL042091.D
 Acq: 03 Mar 2025 22:33

Tgt Ion: 95 Resp: 227753
 Ion Ratio Lower Upper
 95 100
 174 63.9 51.8 77.6
 175 4.6 3.9 5.9

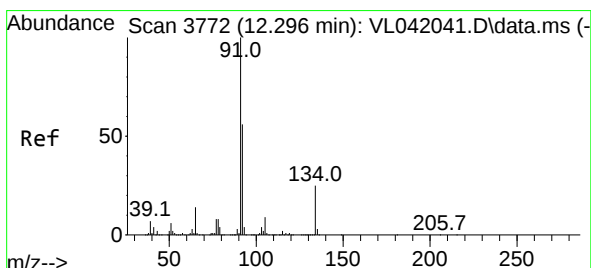
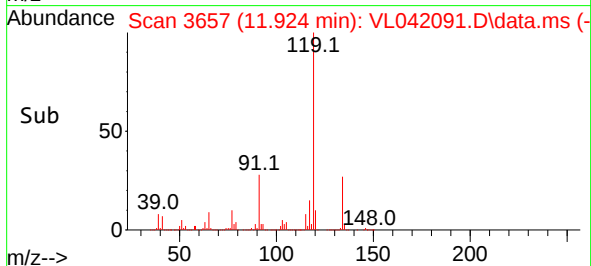
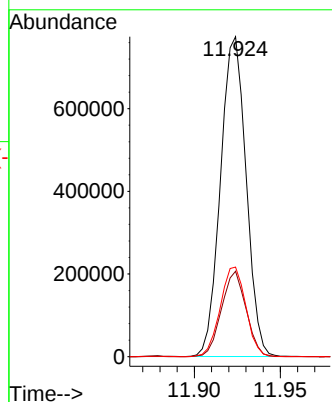
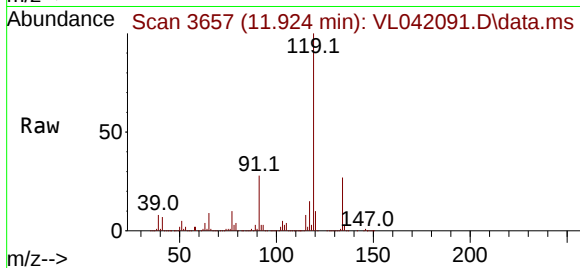




#69
p-Isopropyltoluene
Concen: 12.190 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.016 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

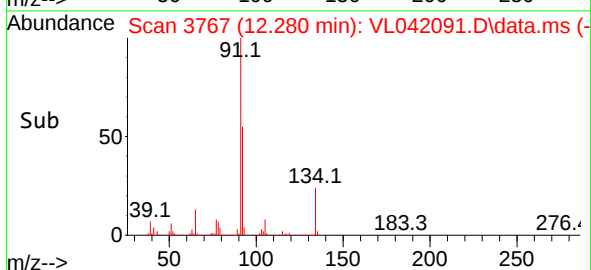
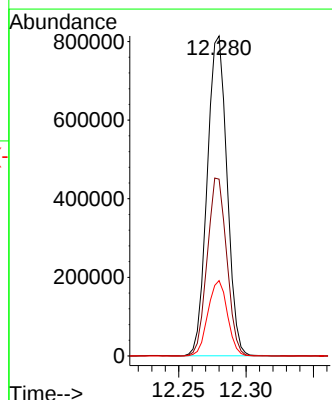
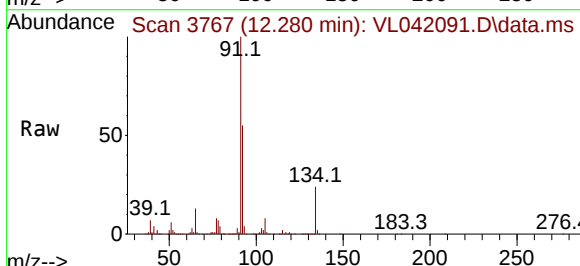
Instrument :
MSVOA_1
ClientSampleId :
VL0303ABS02

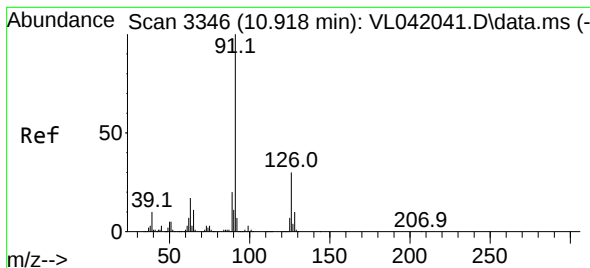
Tgt Ion:119 Resp: 800799
Ion Ratio Lower Upper
119 100
134 25.8 20.9 31.3
91 28.2 23.1 34.7



#70
n-Butylbenzene
Concen: 12.395 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.016 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion: 91 Resp: 831218
Ion Ratio Lower Upper
91 100
92 55.1 44.7 67.1
134 23.2 18.9 28.3

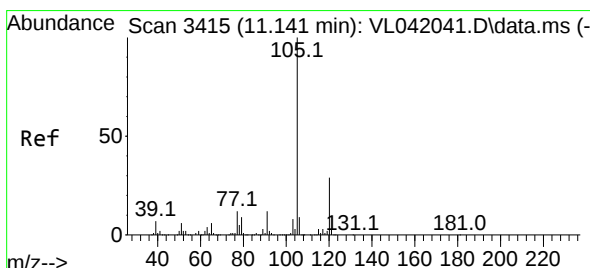
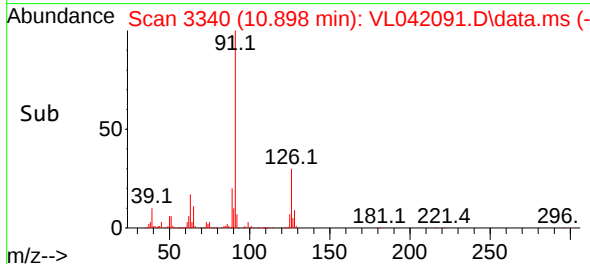
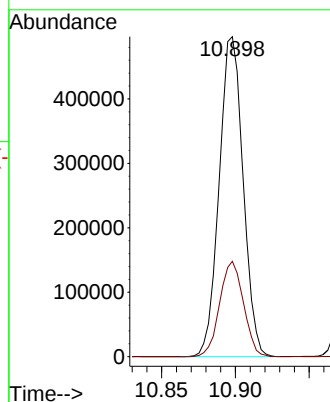
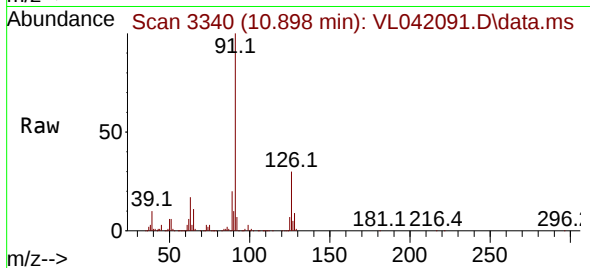




#71
2-Chlorotoluene
Concen: 11.459 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.020 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

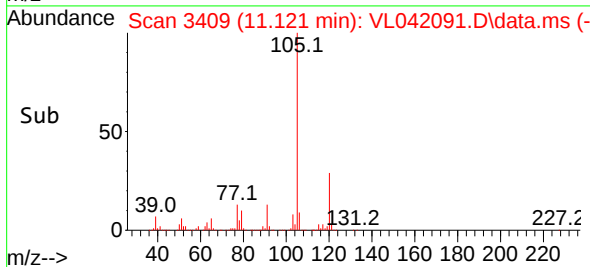
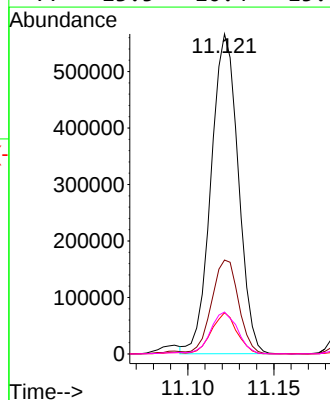
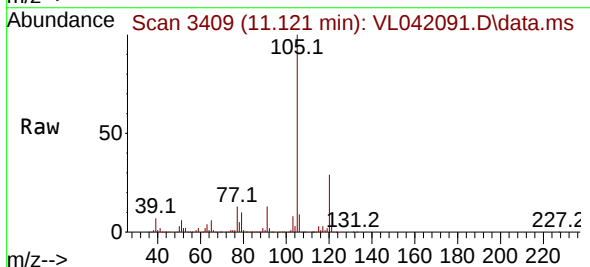
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

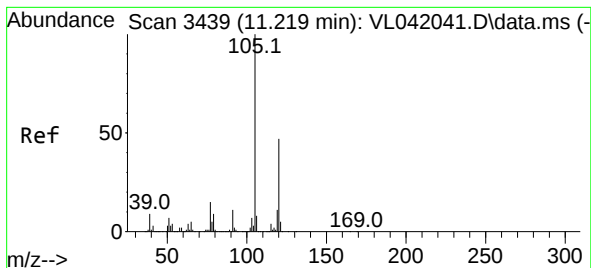
Tgt Ion: 91 Resp: 560433
Ion Ratio Lower Upper
91 100
126 29.6 11.9 47.5



#72
4-Ethyltoluene
Concen: 12.053 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.020 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion:105 Resp: 623396
Ion Ratio Lower Upper
105 100
120 29.9 24.1 36.1
91 12.4 10.2 15.4
77 13.5 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 11.788 ppbv

RT: 11.202 min Scan# 3439

Delta R.T. -0.016 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

Instrument :

MSVOA_L

ClientSampleId :

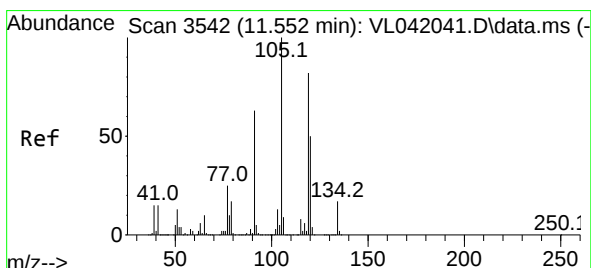
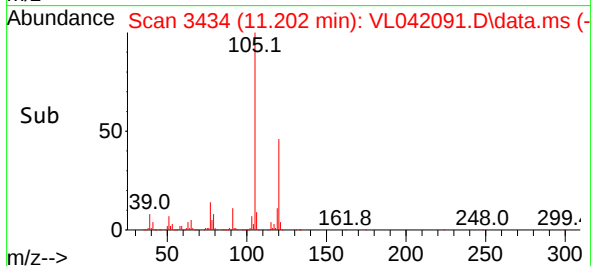
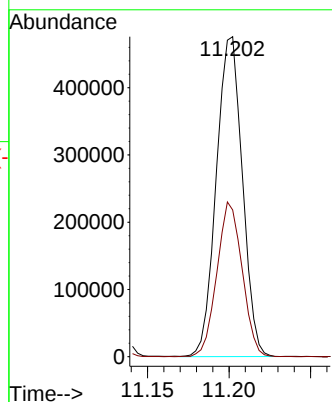
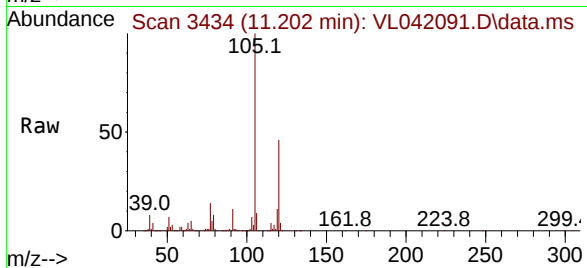
VL0303ABS02

Tgt Ion:105 Resp: 528844

Ion Ratio Lower Upper

105 100

120 45.8 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 11.590 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.020 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

Tgt Ion:105 Resp: 585531

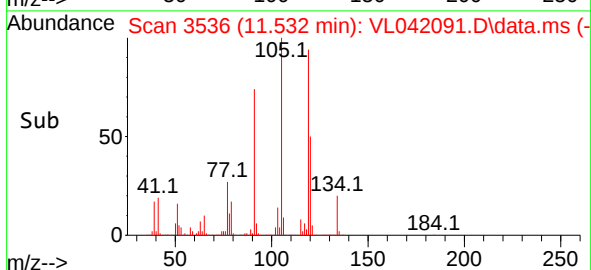
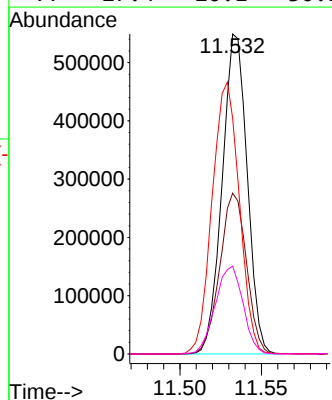
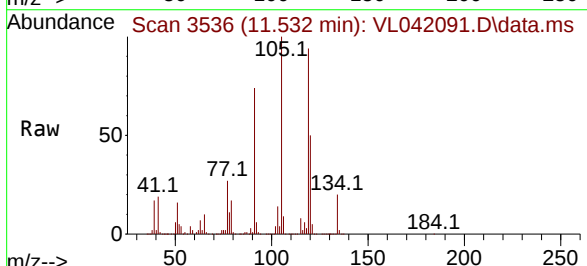
Ion Ratio Lower Upper

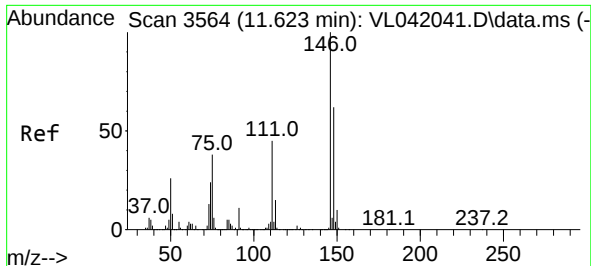
105 100

120 50.2 40.2 60.2

91 73.5 51.4 77.2

77 27.4 20.1 30.1

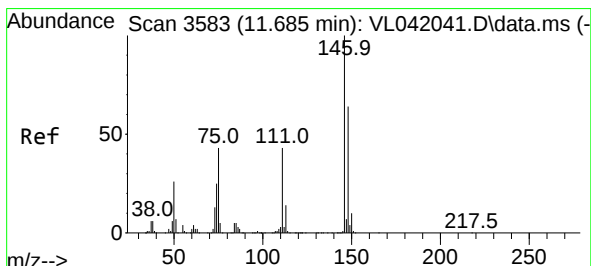
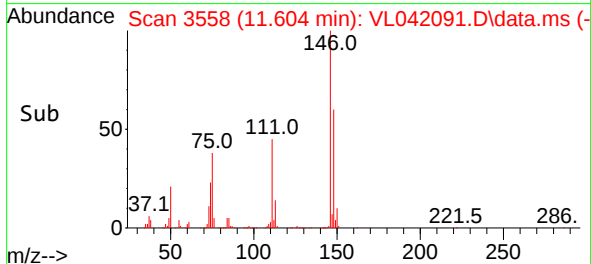
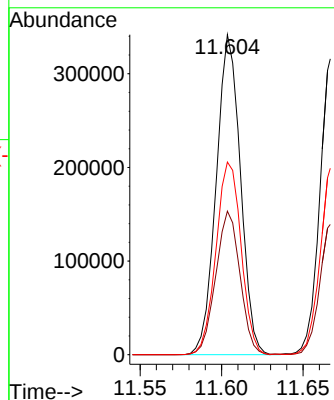
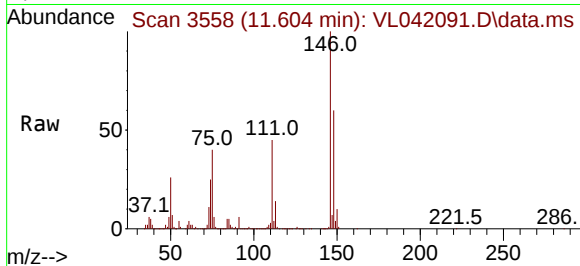




#75
1,3-Dichlorobenzene
Concen: 12.128 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.020 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

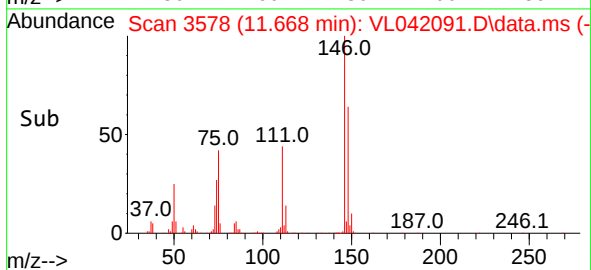
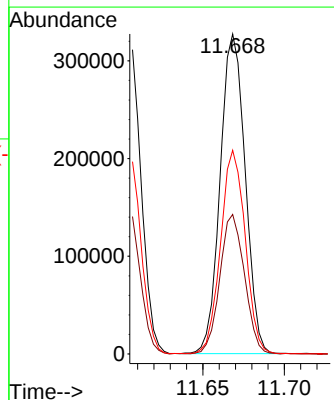
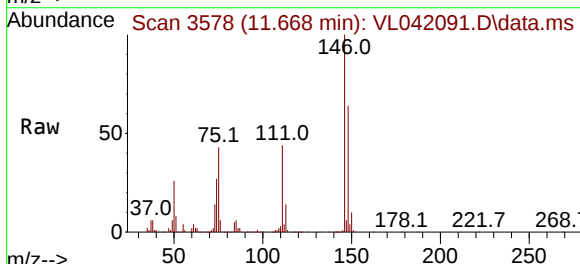
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

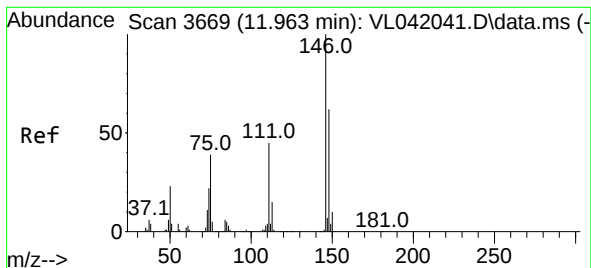
Tgt Ion:146 Resp: 352630
Ion Ratio Lower Upper
146 100
111 44.9 22.4 67.2
148 62.4 32.3 96.8



#76
1,4-Dichlorobenzene
Concen: 12.062 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.016 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion:146 Resp: 348193
Ion Ratio Lower Upper
146 100
111 43.2 21.5 64.5
148 63.2 31.6 95.0





#77

1,2-Dichlorobenzene

Concen: 12.157 ppbv

RT: 11.943 min Scan# 3

Delta R.T. -0.020 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

Instrument :

MSVOA_L

ClientSampleId :

VL0303ABS02

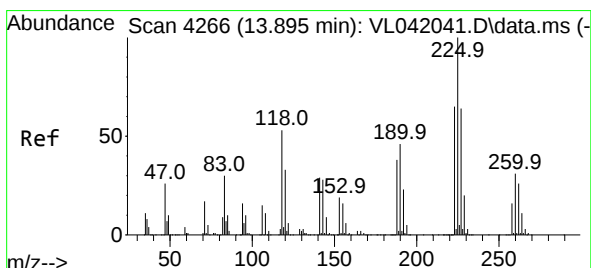
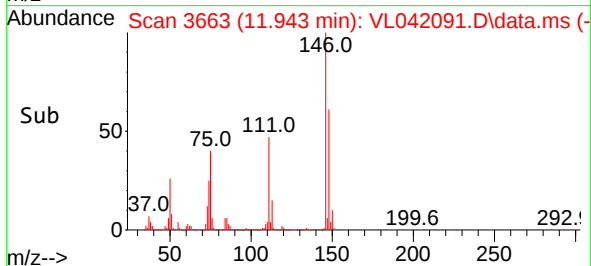
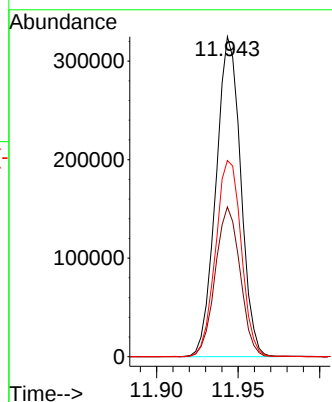
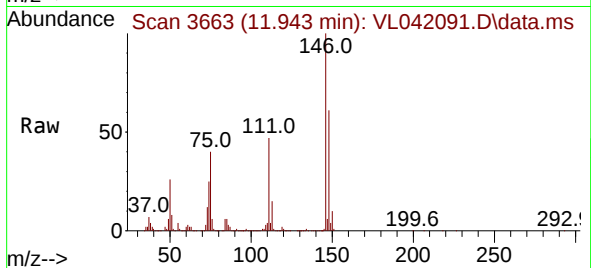
Tgt Ion:146 Resp: 343011

Ion Ratio Lower Upper

146 100

111 47.0 23.2 69.6

148 63.6 31.4 94.2



#78

Hexachloro-1,3-Butadiene

Concen: 10.841 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.016 min

Lab File: VL042091.D

Acq: 03 Mar 2025 22:33

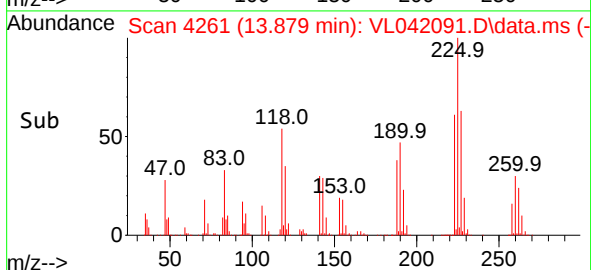
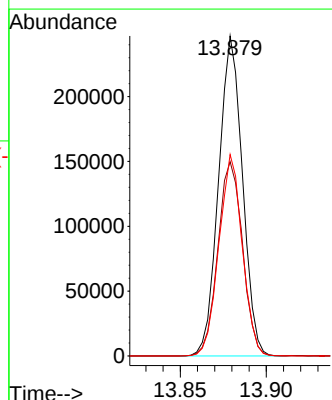
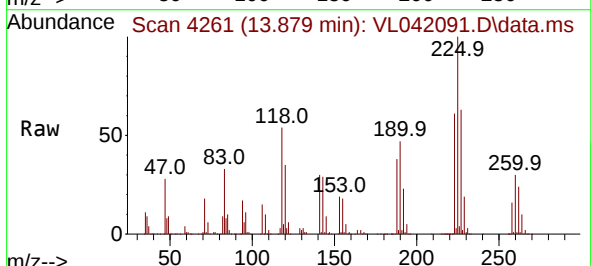
Tgt Ion:225 Resp: 238009

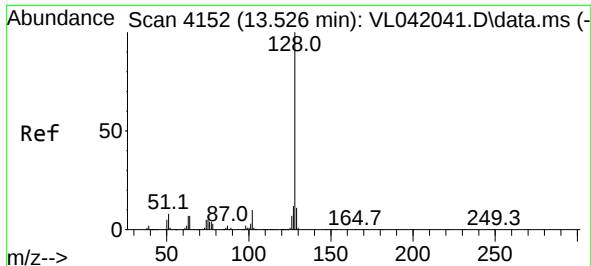
Ion Ratio Lower Upper

225 100

223 62.7 50.2 75.2

227 61.7 50.8 76.2

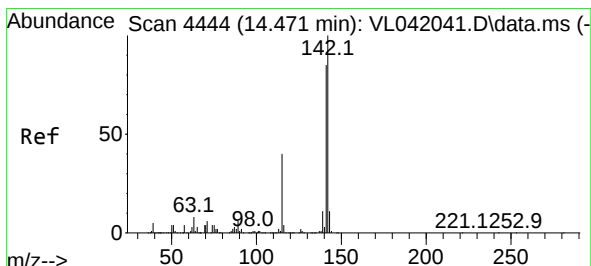
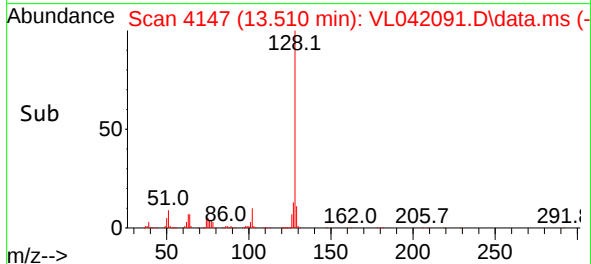
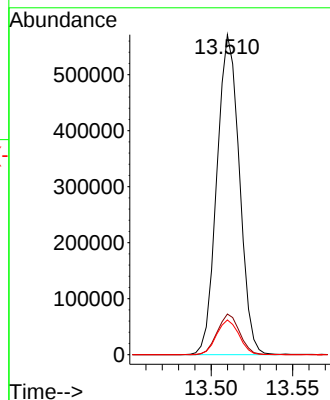
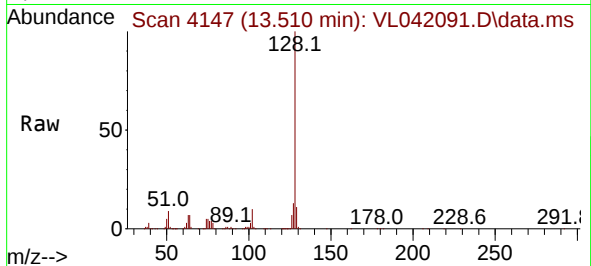




#79
Naphthalene
Concen: 15.822 ppbv
RT: 13.510 min Scan# 4152
Delta R.T. -0.016 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

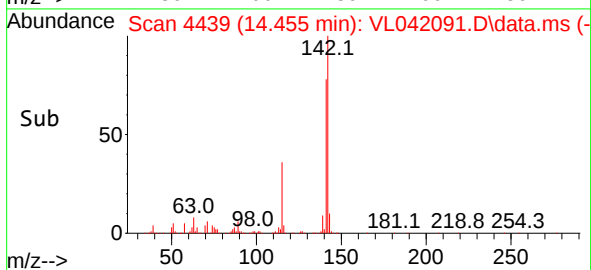
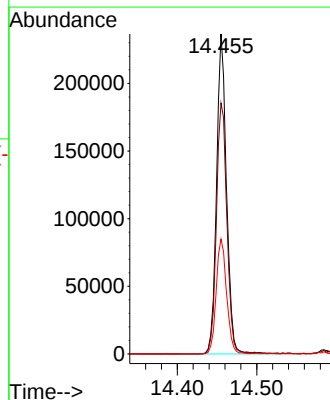
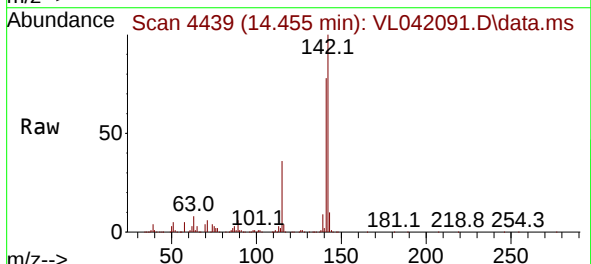
Instrument :
MSVOA_L
ClientSampleId :
VL0303ABS02

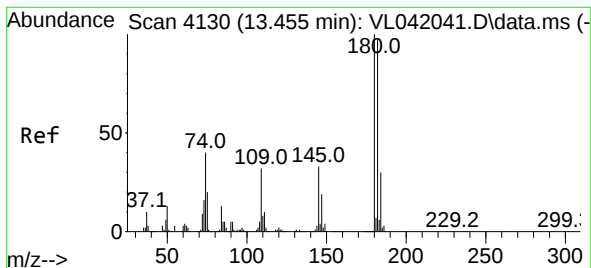
Tgt Ion:128 Resp: 548073
Ion Ratio Lower Upper
128 100
127 12.7 9.8 14.6
129 10.9 8.6 12.8



#80
Naphthalene,2-methyl-
Concen: 21.639 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.016 min
Lab File: VL042091.D
Acq: 03 Mar 2025 22:33

Tgt Ion:142 Resp: 205124
Ion Ratio Lower Upper
142 100
141 83.1 65.8 98.6
115 38.0 29.5 44.3





#81

1,2,4-Trichlorobenzene

Concen: 12.302 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.016 min

Lab File: VL042091.D

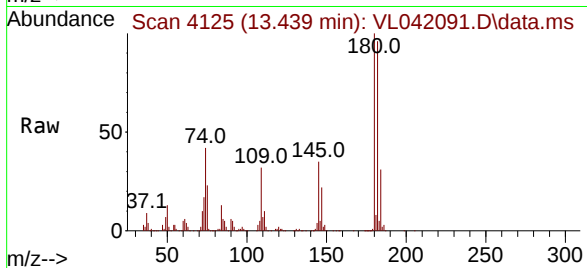
Acq: 03 Mar 2025 22:33

Instrument :

MSVOA_L

ClientSampleId :

VL0303ABS02



Tgt Ion:180 Resp: 237478

Ion Ratio Lower Upper

180 100

182 95.5 75.1 112.7

184 30.0 23.8 35.6

