

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042471.D
 Acq On : 05 May 2025 10:07
 Operator : SY/MD
 Sample : VL0505ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0505ABS01

Quant Time: May 06 01:39:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	73094	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	206118	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	177063	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	168649	10.273	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	124629	10.303	ppbv	97
3) Chlorodifluoromethane	1.476	51	121193	9.477	ppbv	100
4) Chloromethane	1.531	50	48459	9.585	ppbv	97
5) Vinyl Chloride	1.580	62	48263	9.482	ppbv	97
6) Bromomethane	1.667	94	24122	10.030	ppbv	89
7) Chloroethane	1.703	64	19046	10.134	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	103007	10.330	ppbv	99
9) Propene	1.483	41	38988	9.321	ppbv	99
10) Heptane	4.985	43	44026	4.058	ppbv #	1
11) Trichlorofluoromethane	1.878	101	115696	10.365	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	90819	10.191	ppbv	99
13) Ethanol	1.722	45	5973	7.037	ppbv	99
14) Bromoethene	1.780	108	33388	10.148	ppbv	98
15) Acetone	1.835	43	106709	7.997	ppbv	99
16) 1,3-Butadiene	1.609	39	57359	9.746	ppbv	99
17) tert-Butyl alcohol	2.039	59	117319	9.980	ppbv	98
18) 1,1-Dichloroethene	2.033	96	41229	9.907	ppbv	98
19) Isopropyl Alcohol	1.887	45	70522	9.550	ppbv	100
20) Methylene Chloride	2.062	84	35706	8.901	ppbv	94
21) Allyl Chloride	2.094	41	84722	9.873	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	46305	9.528	ppbv	95
23) Vinyl Acetate	2.463	43	130023	10.210	ppbv #	97
24) 1,1-Dichloroethane	2.408	63	98989	9.984	ppbv	99
25) Ethyl Acetate	2.836	43	207844	9.728	ppbv	100
26) Hexane	2.826	57	90030	9.673	ppbv	98
27) Carbon Disulfide	2.149	76	115286	10.614	ppbv	94
28) Methyl tert-Butyl Ether	2.441	73	58319	10.429	ppbv	100
29) Chloroform	2.849	83	168484	9.660	ppbv	98
30) Cyclohexane	3.858	84	78428	10.078	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	104191	9.595	ppbv	97
32) 1,1,1-Trichloroethane	3.370	97	182273	9.632	ppbv	99
34) 2-Butanone	2.557	43	133597	8.961	ppbv	95
35) Carbon Tetrachloride	3.761	117	188916	10.090	ppbv	95
36) Benzene	3.661	78	188320	9.682	ppbv	97
37) 1,2-Dichloroethane	3.221	62	145347	9.695	ppbv	100
38) Trichloroethene	4.548	130	44769	6.035	ppbv	96
39) 1,2-Dichloropropane	4.315	63	66905	9.188	ppbv	88
40) 1,4-Dioxane	4.580	88	31401	9.209	ppbv #	100
41) Tetrahydrofuran	3.056	42	66257	9.351	ppbv	97
42) Bromodichloromethane	4.489	83	189214	10.330	ppbv	93
43) Methyl Methacrylate	4.881	69	74953	10.326	ppbv	97
44) 2,2,4-Trimethylpentane	4.642	57	307008	9.737	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	103231	10.841	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042471.D
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 Sample : VL0505ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0505ABS01

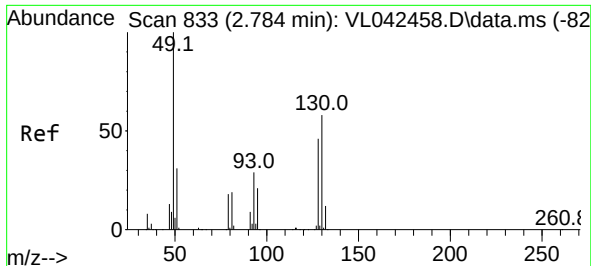
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	116725	10.313	ppbv	95
47) 1,1,2-Trichloroethane	6.584	97	77049	9.648	ppbv #	92
48) Dibromochloromethane	7.390	129	138518	10.274	ppbv	97
49) Bromoform	9.487	173	114364	10.115	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	177898	9.433	ppbv	99
51) 2-Hexanone	7.438	43	145213	9.631	ppbv	98
52) Tetrachloroethene	8.228	164	67191	9.076	ppbv	86
53) Toluene	6.936	91	214815	10.434	ppbv	98
54) 1,2-Dibromoethane	7.655	107	117449	9.619	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.927	131	103494	9.897	ppbv	98
57) Chlorobenzene	8.924	112	168941	9.495	ppbv	94
58) Ethyl Benzene	9.357	91	312698	10.568	ppbv	96
59) m/p-Xylene	9.539	91	247023	9.958	ppbv #	33
60) o-Xylene	9.966	91	267198	10.758	ppbv	100
61) Styrene	9.875	104	103232	11.138	ppbv	97
62) Isopropylbenzene	10.542	105	380840	10.630	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	155457	9.079	ppbv	100
64) n-propylbenzene	10.992	120	93814	10.714	ppbv	94
65) tert-Butylbenzene	11.532	119	342014	10.697	ppbv	97
66) Benzyl Chloride	11.620	91	45711	12.370	ppbv	98
67) sec-Butylbenzene	11.769	105	480000	10.565	ppbv	99
69) p-Isopropyltoluene	11.927	119	412889	10.786	ppbv	99
70) n-Butylbenzene	12.283	91	425652	10.756	ppbv	98
71) 2-Chlorotoluene	10.905	91	301813	10.741	ppbv	100
72) 4-Ethyltoluene	11.128	105	326835	11.161	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	280716	10.900	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	316052	10.143	ppbv	99
75) 1,3-Dichlorobenzene	11.610	146	174274	10.046	ppbv	97
76) 1,4-Dichlorobenzene	11.675	146	174860	10.651	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	166423	9.801	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	153156	9.032	ppbv	99
79) Naphthalene	13.513	128	286218	10.911	ppbv	97
80) Naphthalene,2-methyl-	14.458	142	232641	11.932	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	147081	10.513	ppbv	99

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

Quant Time: May 06 01:39:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
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QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

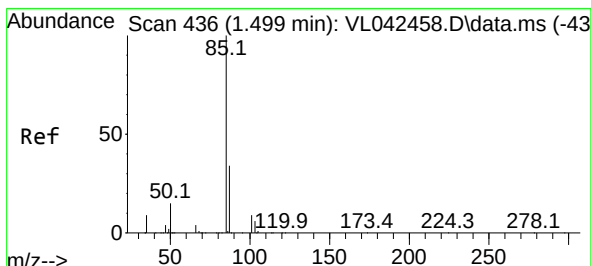
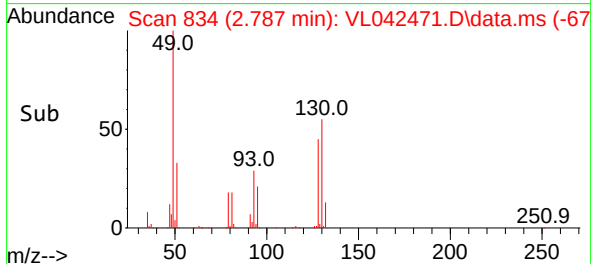
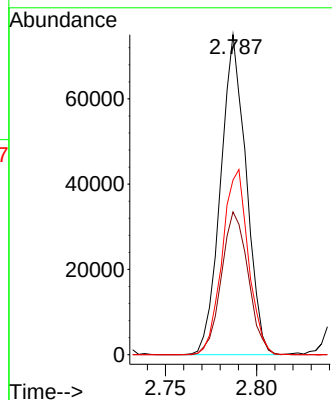
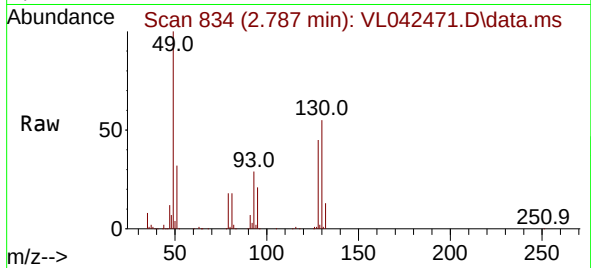




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

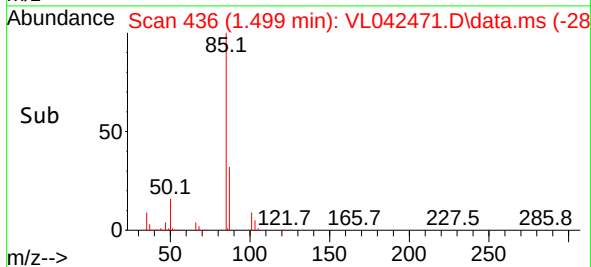
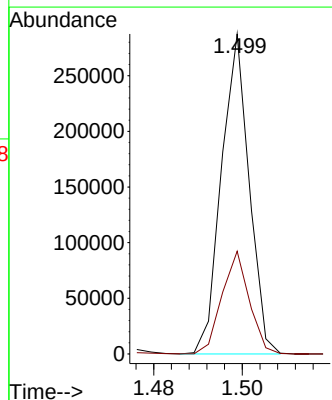
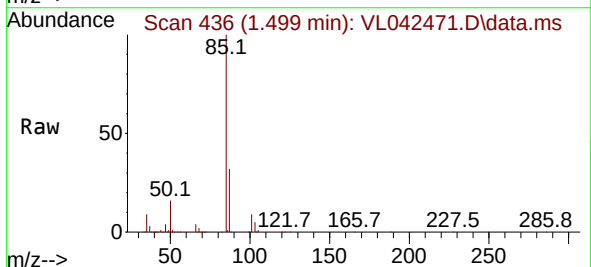
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MSVOA_1
ClientSampleId :
VL0505ABS01

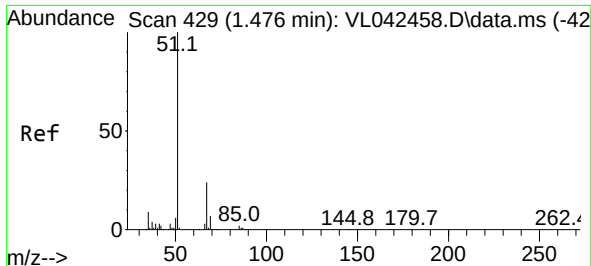
Tgt Ion: 49 Resp: 73094
Ion Ratio Lower Upper
49 100
128 46.9 23.3 69.9
130 59.3 29.5 88.6



#2
Dichlorodifluoromethane
Concen: 10.303 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 85 Resp: 124629
Ion Ratio Lower Upper
85 100
87 32.1 26.9 40.3

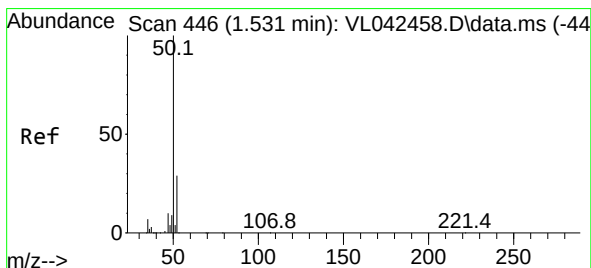
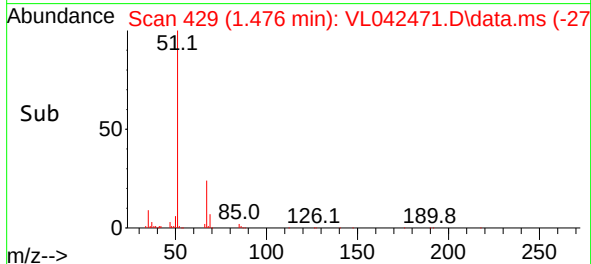
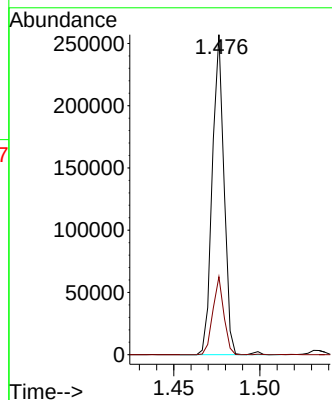
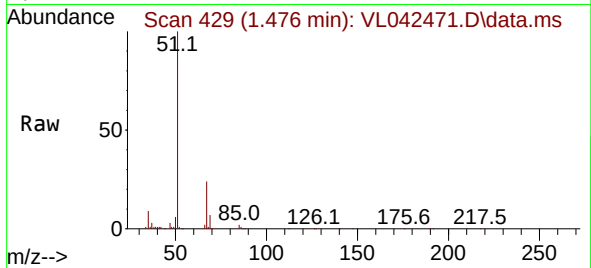




#3
Chlorodifluoromethane
Concen: 9.477 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

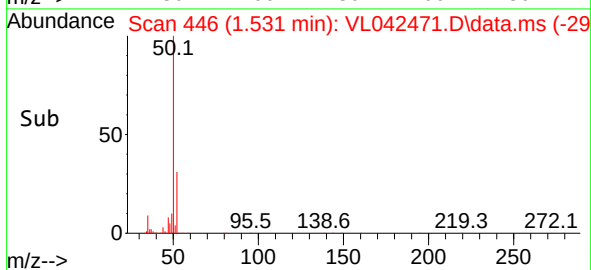
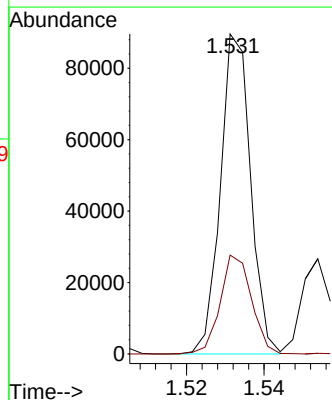
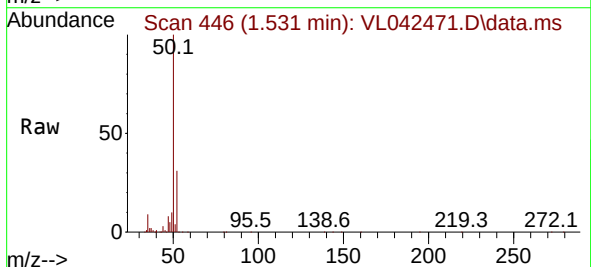
Instrument :
MSVOA_1
ClientSampleId :
VL0505ABS01

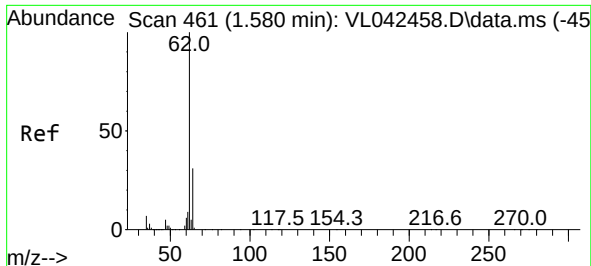
Tgt Ion: 51 Resp: 121193
Ion Ratio Lower Upper
51 100
67 23.1 18.4 27.6



#4
Chloromethane
Concen: 9.585 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 50 Resp: 48459
Ion Ratio Lower Upper
50 100
52 30.8 23.5 35.3

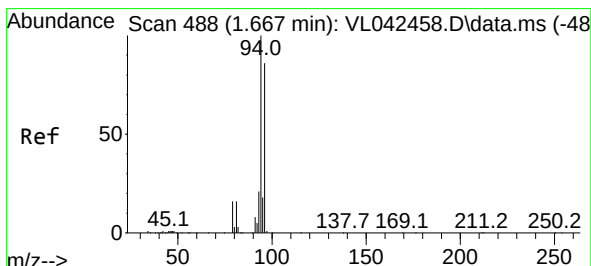
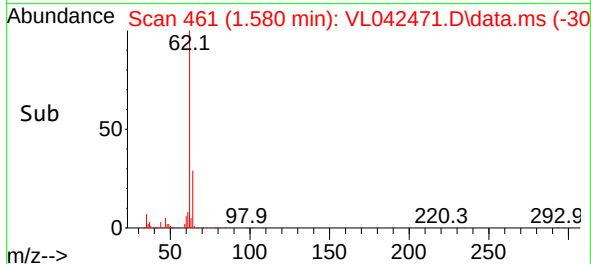
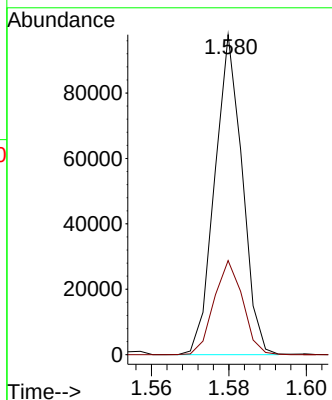
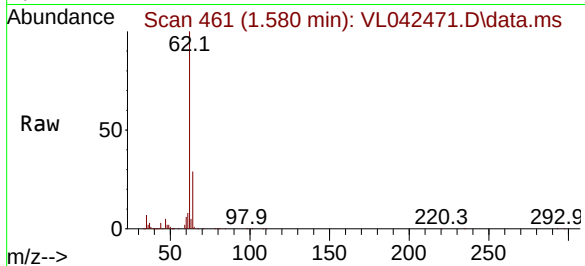




#5
 Vinyl Chloride
 Concen: 9.482 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042471.D
 Acq: 05 May 2025 10:07

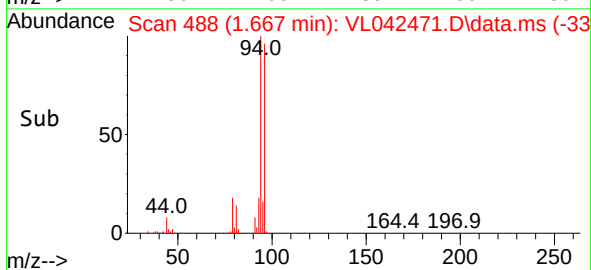
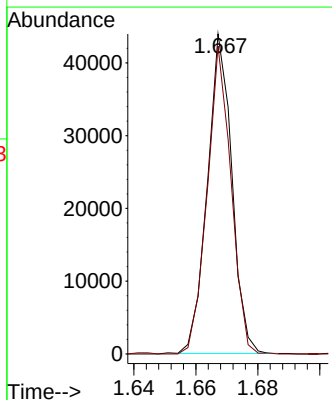
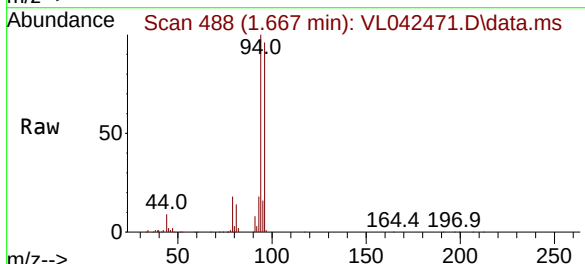
Instrument :
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 ClientSampleId :
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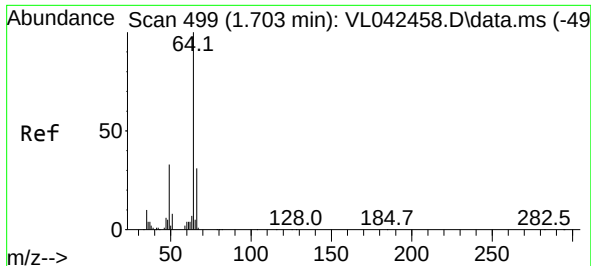
Tgt Ion: 62 Resp: 48263
 Ion Ratio Lower Upper
 62 100
 64 29.3 24.9 37.3



#6
 Bromomethane
 Concen: 10.030 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042471.D
 Acq: 05 May 2025 10:07

Tgt Ion: 94 Resp: 24122
 Ion Ratio Lower Upper
 94 100
 96 96.4 68.8 103.2

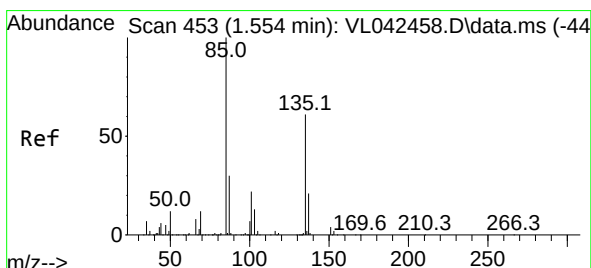
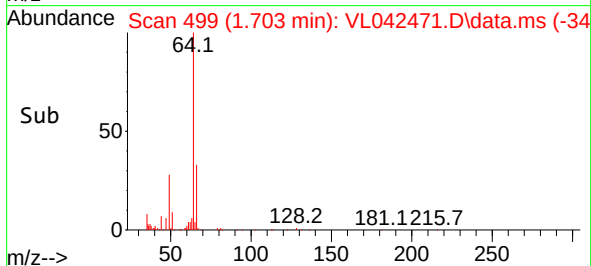
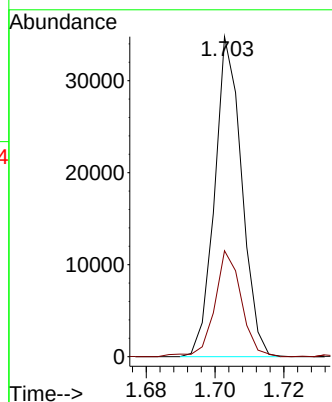
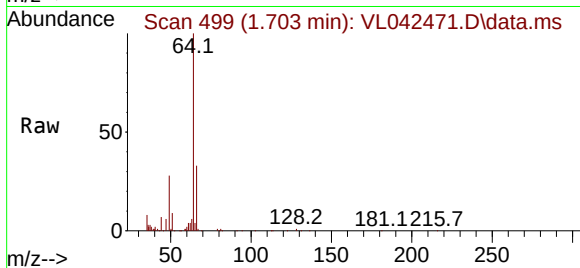




#7
Chloroethane
Concen: 10.134 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

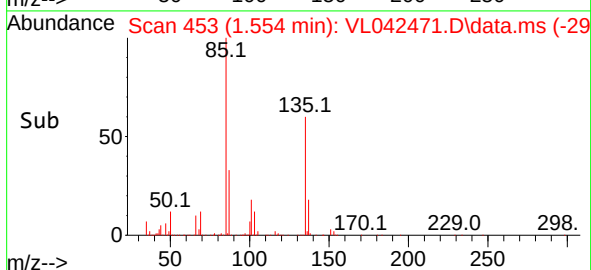
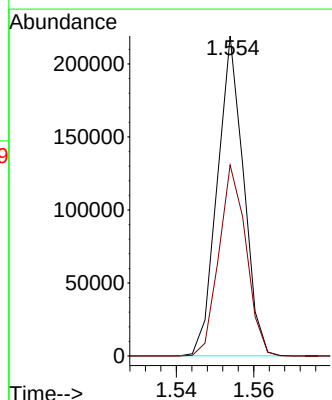
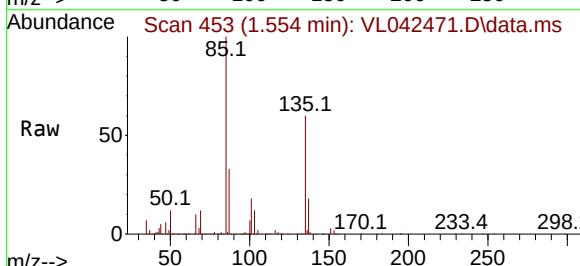
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MSVOA_1
ClientSampleId :
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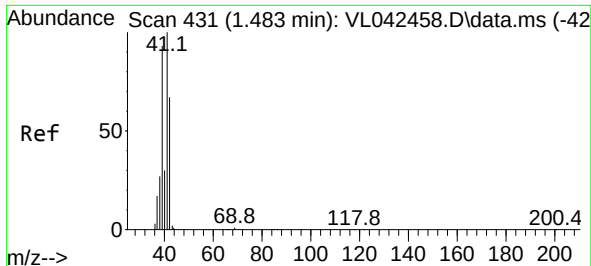
Tgt Ion: 64 Resp: 19046
Ion Ratio Lower Upper
64 100
66 33.1 25.0 37.4



#8
Dichlorotetrafluoroethane
Concen: 10.330 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 85 Resp: 103007
Ion Ratio Lower Upper
85 100
135 61.9 49.8 74.8





#9

Propene

Concen: 9.321 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

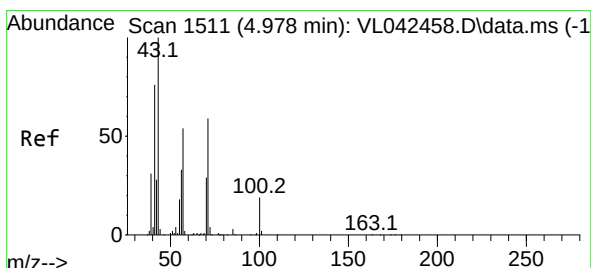
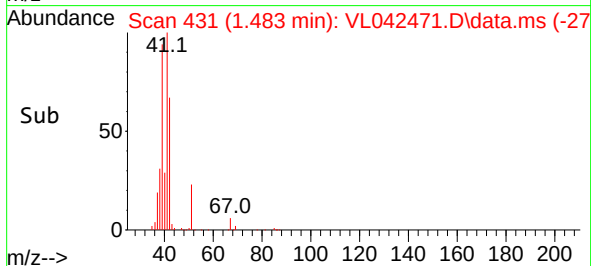
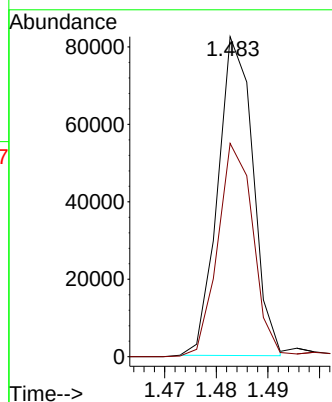
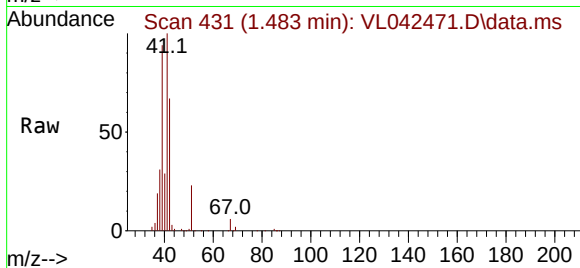
VL0505ABS01

Tgt Ion: 41 Resp: 38988

Ion Ratio Lower Upper

41 100

42 69.1 54.3 81.5



#10

Heptane

Concen: 4.058 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.007 min

Lab File: VL042471.D

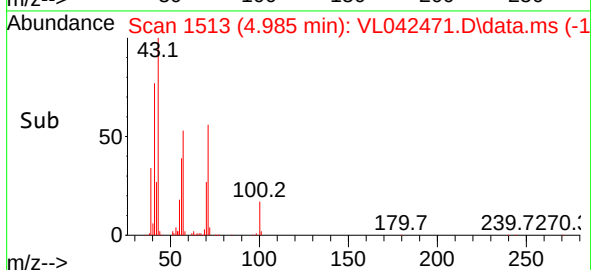
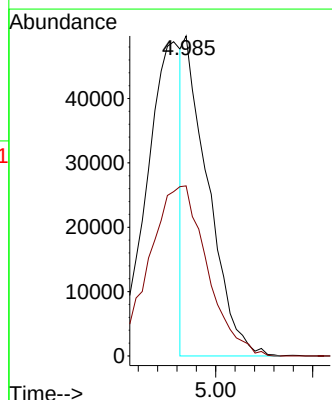
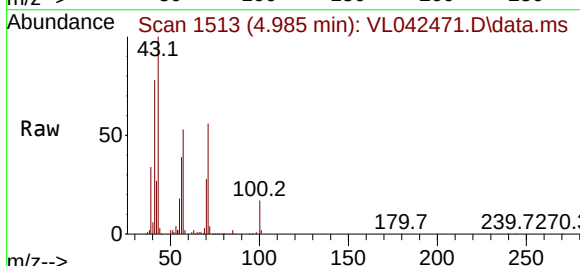
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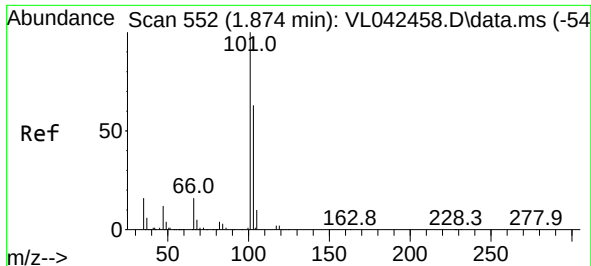
Tgt Ion: 43 Resp: 44026

Ion Ratio Lower Upper

43 100

57 125.1 41.8 62.8#

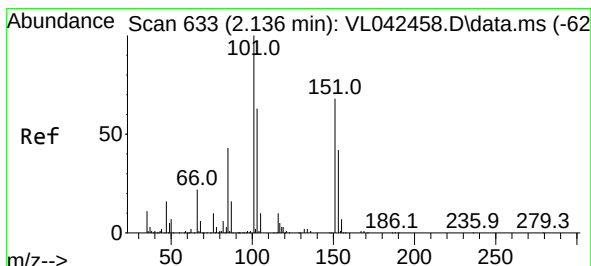
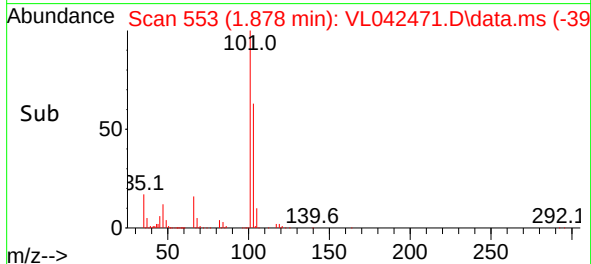
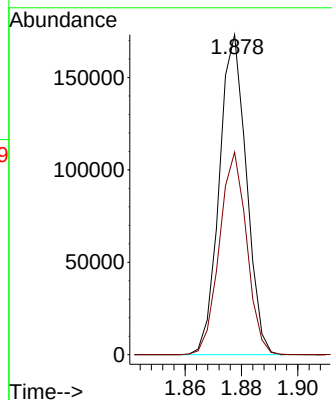
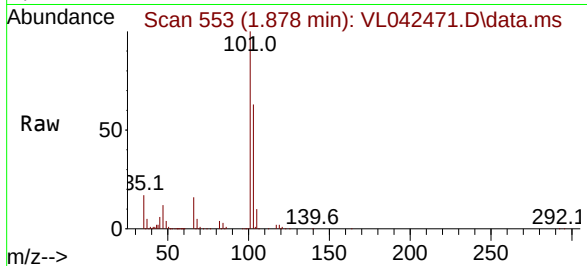




#11
 Trichlorofluoromethane
 Concen: 10.365 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042471.D
 Acq: 05 May 2025 10:07

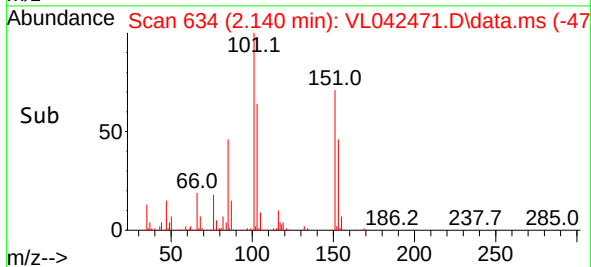
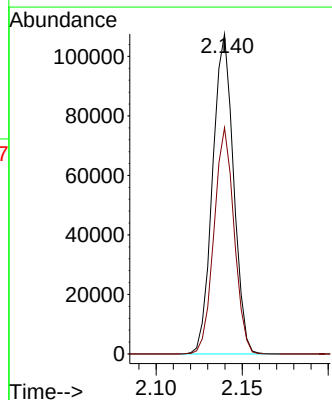
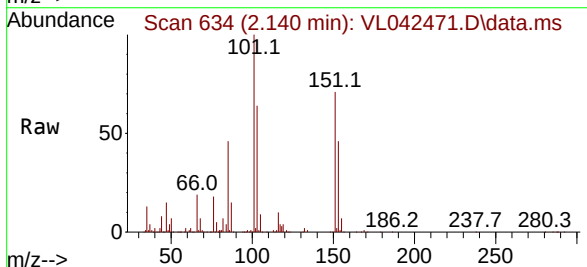
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0505ABS01

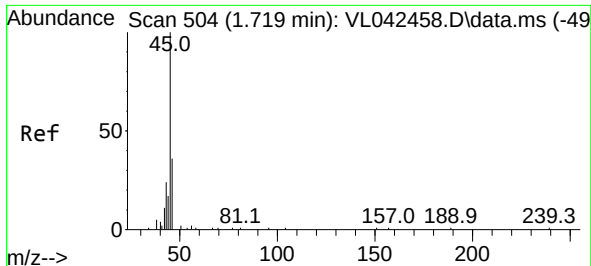
Tgt Ion:101 Resp: 115696
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.191 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL042471.D
 Acq: 05 May 2025 10:07

Tgt Ion:101 Resp: 90819
 Ion Ratio Lower Upper
 101 100
 151 67.9 54.6 82.0

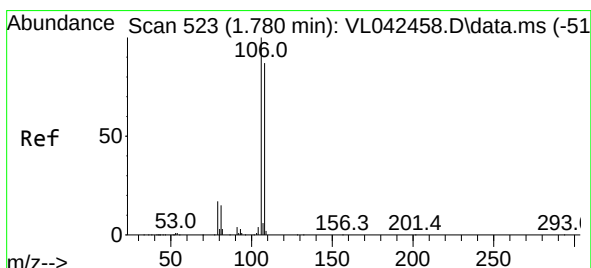
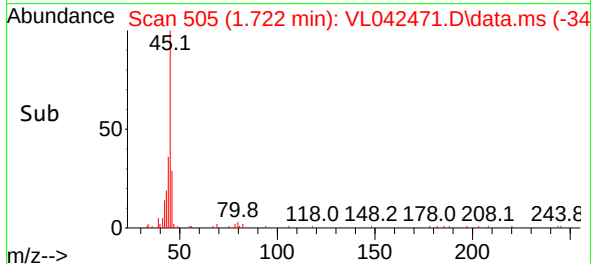
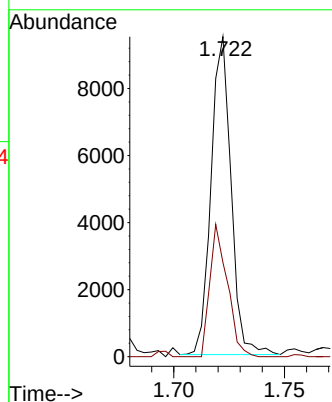
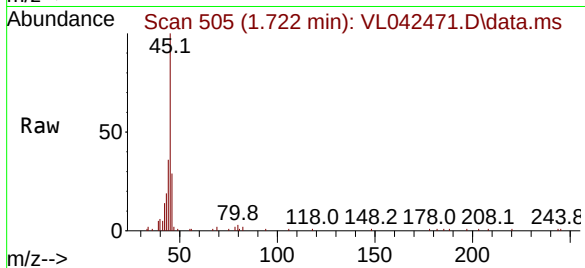




#13
Ethanol
Concen: 7.037 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

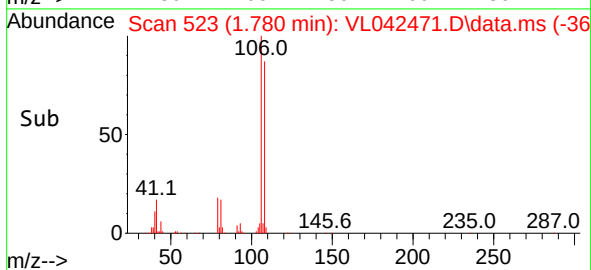
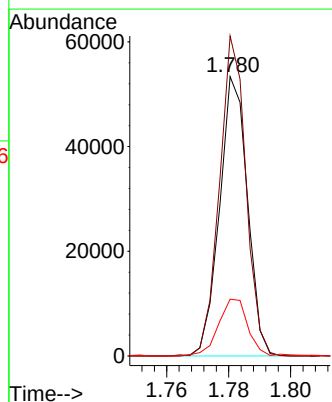
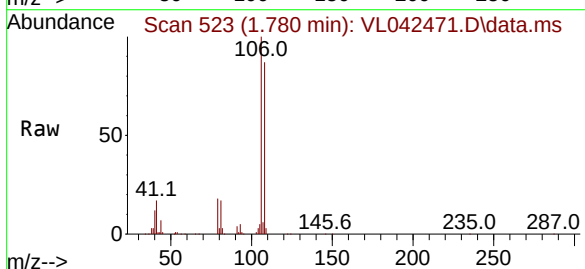
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

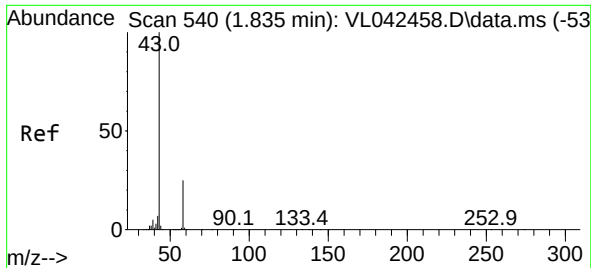
Tgt Ion: 45 Resp: 5973
Ion Ratio Lower Upper
45 100
46 37.9 15.3 61.1



#14
Bromoethene
Concen: 10.148 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 108 Resp: 33388
Ion Ratio Lower Upper
108 100
106 108.6 88.8 133.2
79 21.8 17.1 25.7

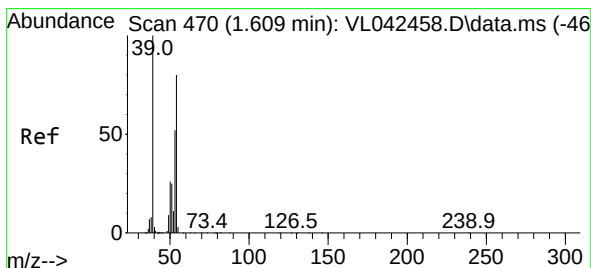
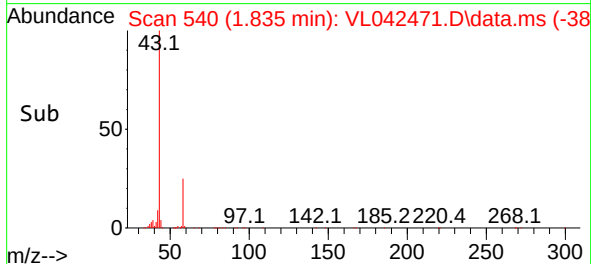
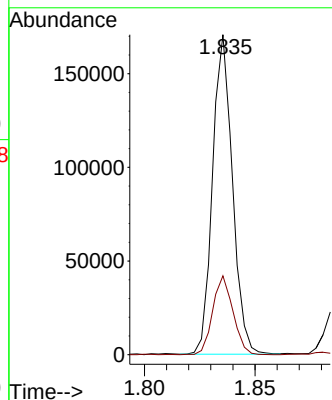
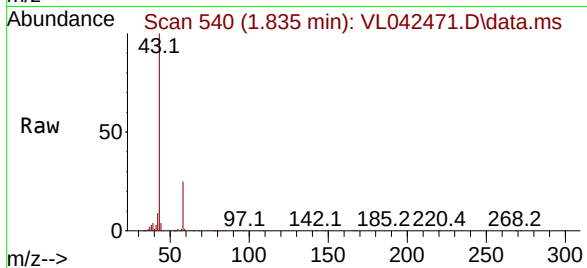




#15
Acetone
Concen: 7.997 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

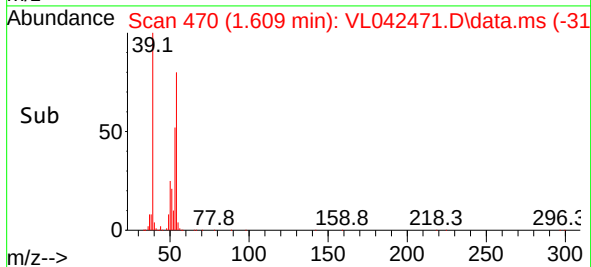
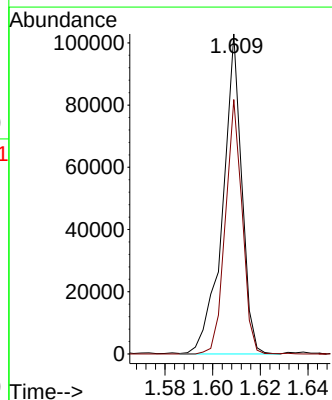
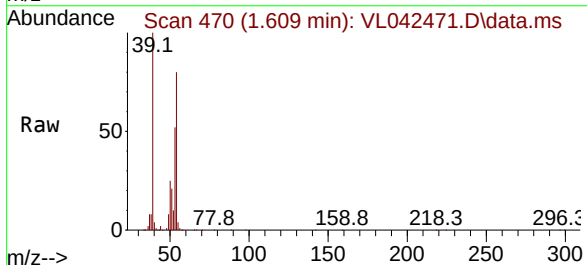
Instrument :
MSVOA_1
ClientSampleId :
VL0505ABS01

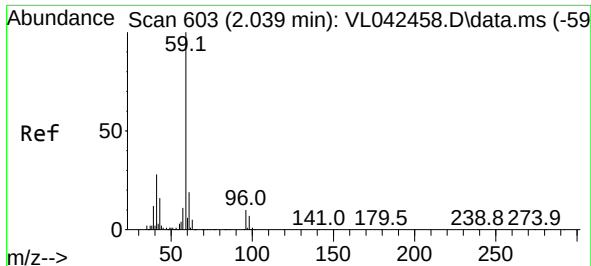
Tgt Ion: 43 Resp: 106709
Ion Ratio Lower Upper
43 100
58 25.2 19.8 29.8



#16
1,3-Butadiene
Concen: 9.746 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 39 Resp: 57359
Ion Ratio Lower Upper
39 100
54 69.5 55.2 82.8





#17

tert-Butyl alcohol

Concen: 9.980 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_1

ClientSampleId :

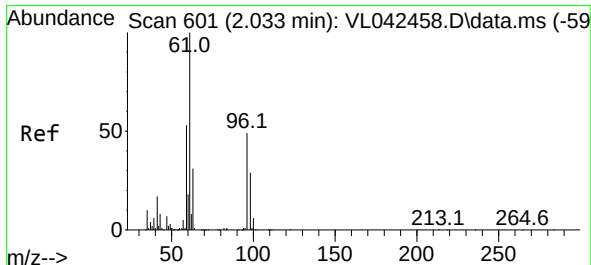
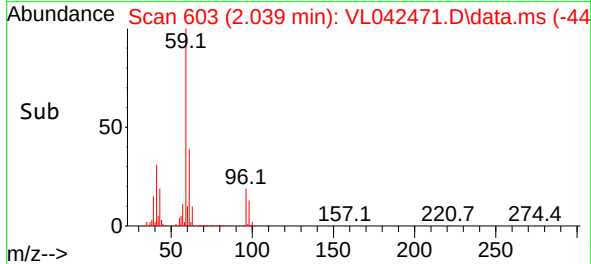
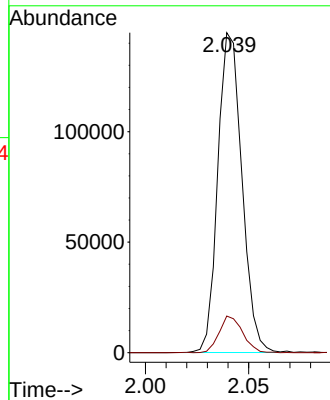
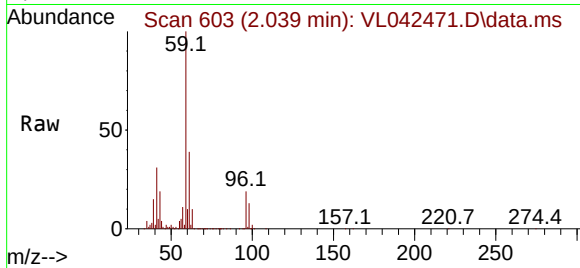
VL0505ABS01

Tgt Ion: 59 Resp: 117319

Ion Ratio Lower Upper

59 100

57 11.2 8.3 12.5



#18

1,1-Dichloroethene

Concen: 9.907 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

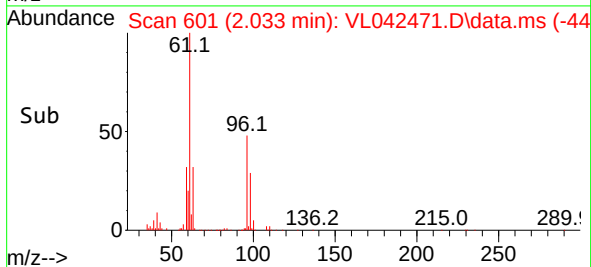
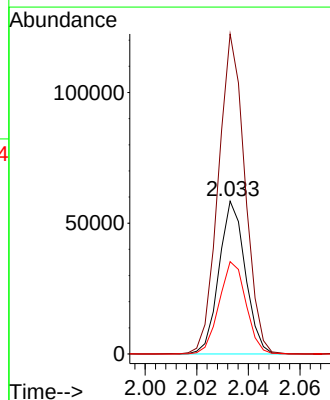
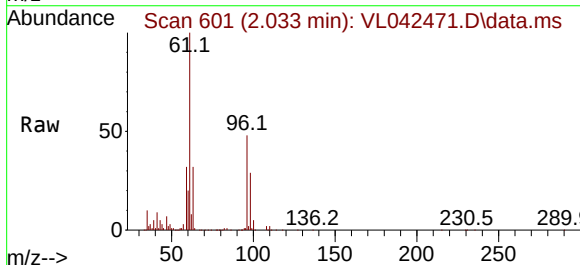
Tgt Ion: 96 Resp: 41229

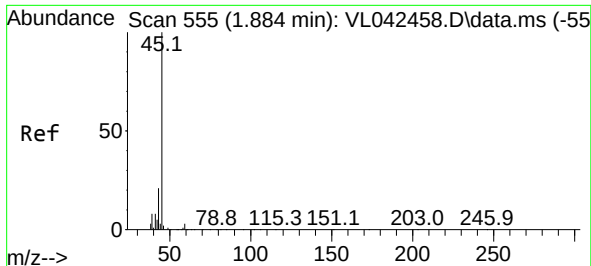
Ion Ratio Lower Upper

96 100

61 209.2 164.9 247.3

98 60.3 48.2 72.2

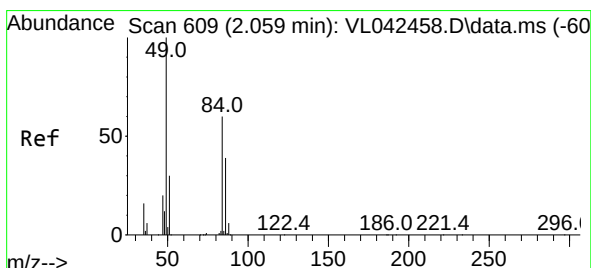
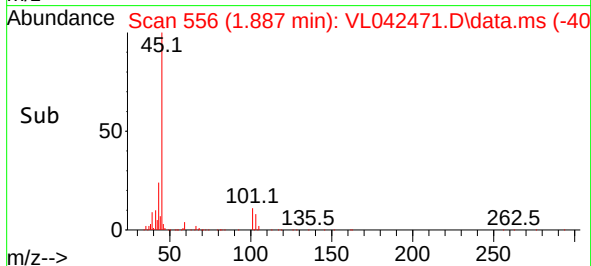
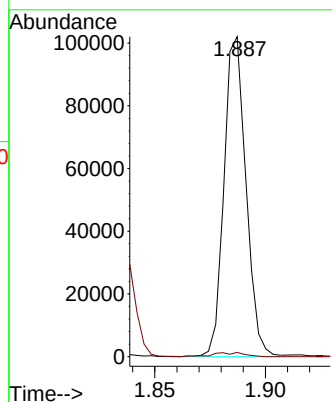
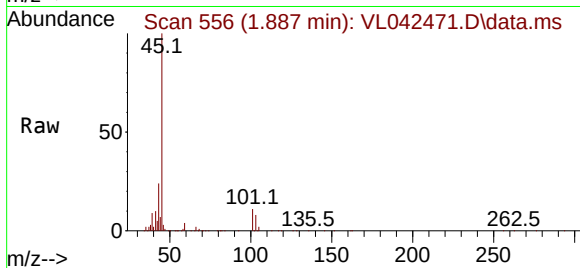




#19
Isopropyl Alcohol
Concen: 9.550 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

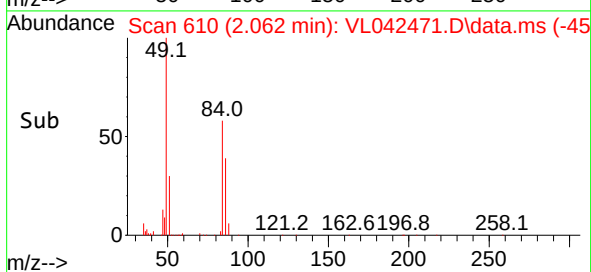
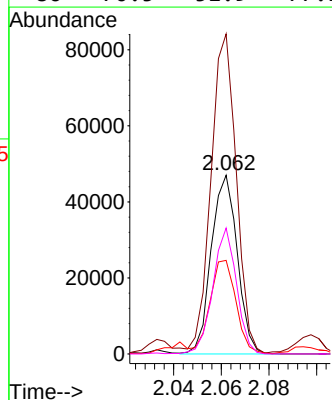
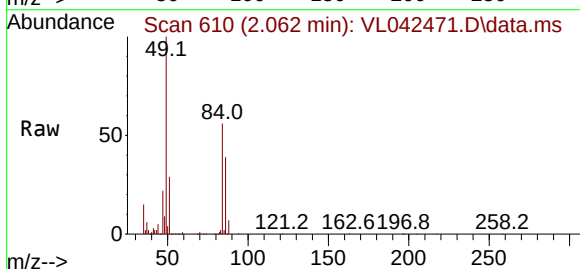
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

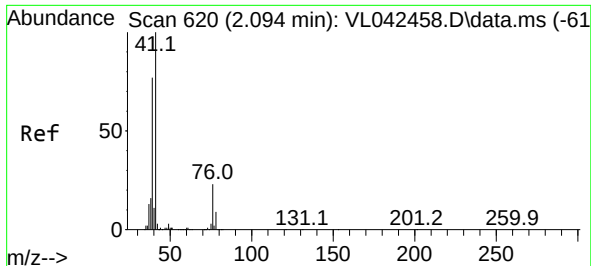
Tgt Ion: 45 Resp: 70522
Ion Ratio Lower Upper
45 100
58 1.8 1.6 2.4



#20
Methylene Chloride
Concen: 8.901 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 84 Resp: 35706
Ion Ratio Lower Upper
84 100
49 177.8 133.9 200.9
51 51.4 41.0 61.6
86 70.5 51.9 77.9

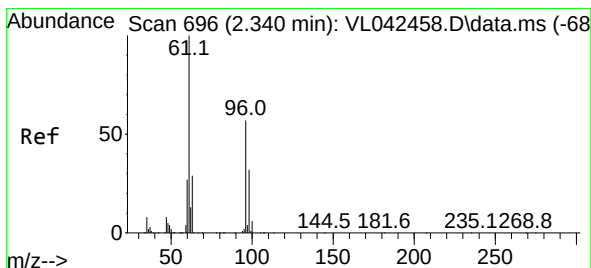
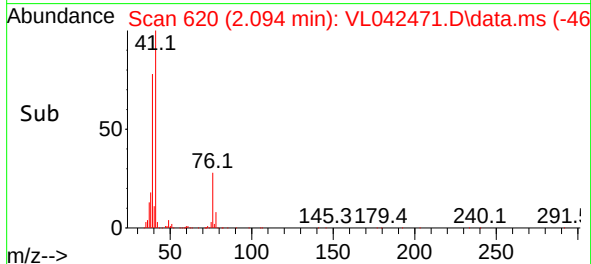
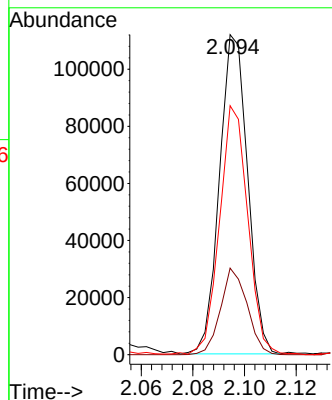
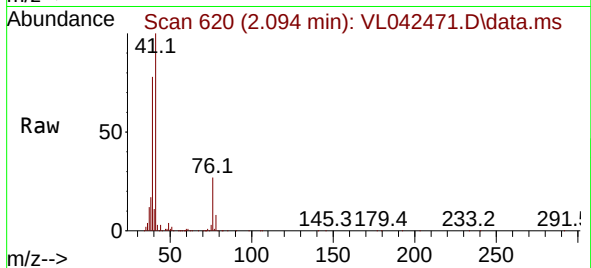




#21
 Allyl Chloride
 Concen: 9.873 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042471.D
 Acq: 05 May 2025 10:07

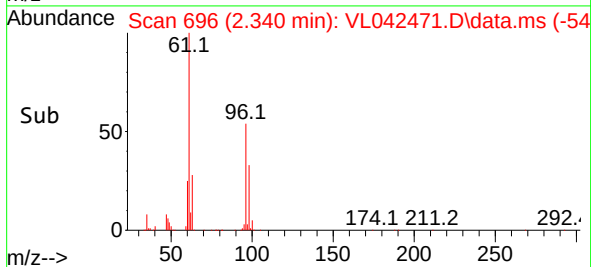
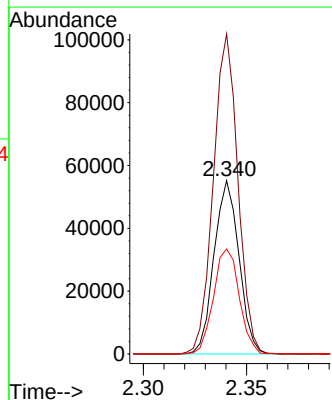
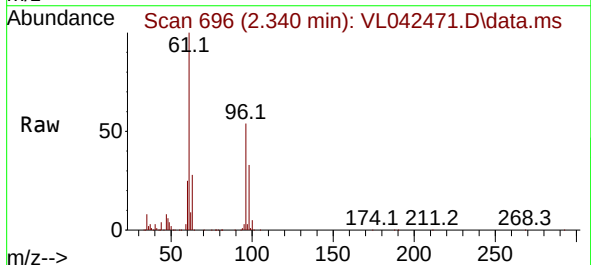
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0505ABS01

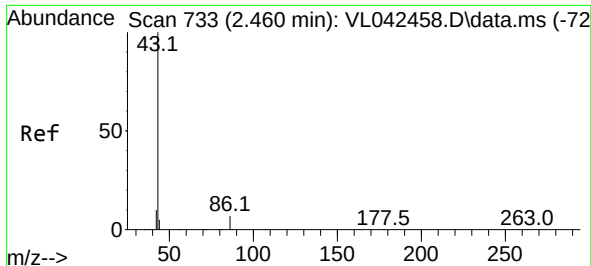
Tgt Ion: 41 Resp: 84722
 Ion Ratio Lower Upper
 41 100
 76 25.6 19.6 29.4
 39 77.7 61.0 91.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.528 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042471.D
 Acq: 05 May 2025 10:07

Tgt Ion: 96 Resp: 46305
 Ion Ratio Lower Upper
 96 100
 61 184.7 141.8 212.6
 98 60.6 45.0 67.6



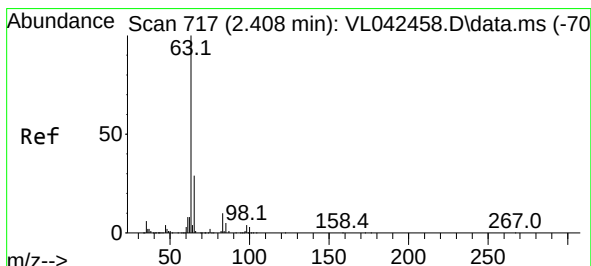
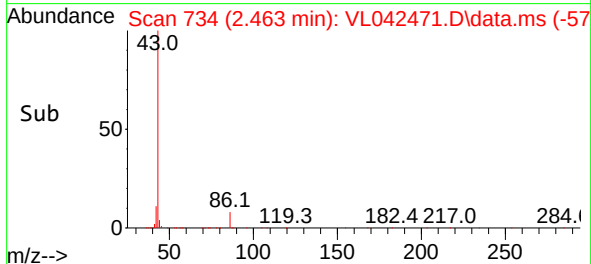
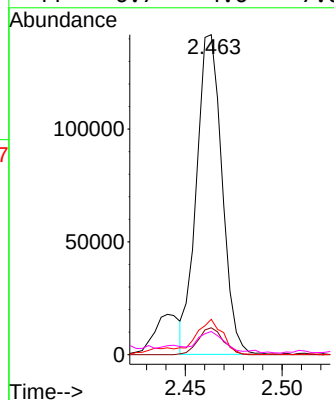
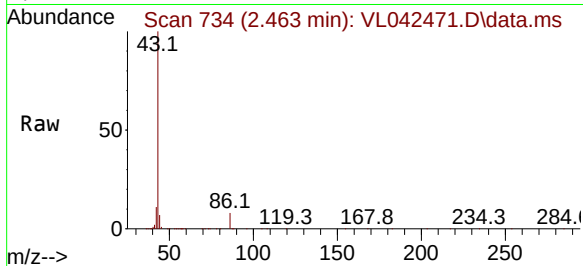


#23
 Vinyl Acetate
 Concen: 10.210 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042471.D
 Acq: 05 May 2025 10:07

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0505ABS01

Tgt Ion: 43 Resp: 130023

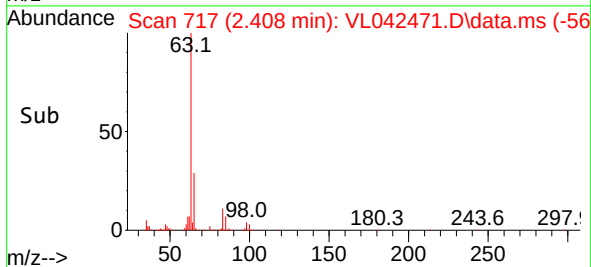
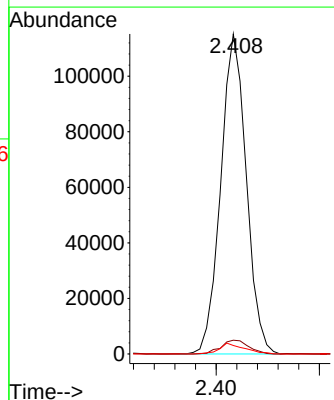
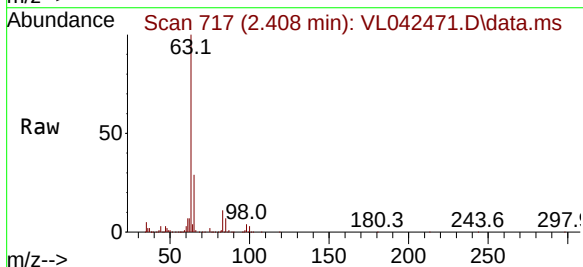
Ion	Ratio	Lower	Upper
43	100		
86	8.4	5.5	8.3#
42	11.0	8.3	12.5
44	6.7	4.6	7.0

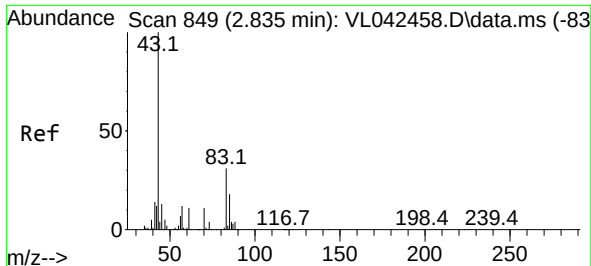


#24
 1,1-Dichloroethane
 Concen: 9.984 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042471.D
 Acq: 05 May 2025 10:07

Tgt Ion: 63 Resp: 98989

Ion	Ratio	Lower	Upper
63	100		
98	4.3	1.8	5.5
100	2.7	1.4	4.2





#25

Ethyl Acetate

Concen: 9.728 ppbv

RT: 2.836 min Scan# 849

Delta R.T. 0.000 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0505ABS01

Tgt Ion: 43 Resp: 207844

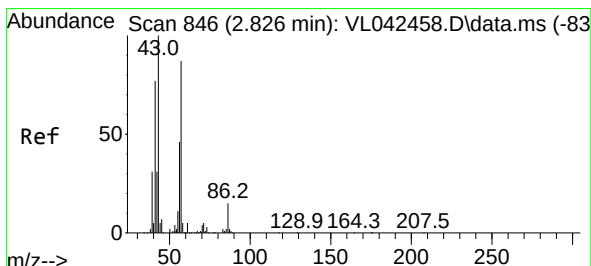
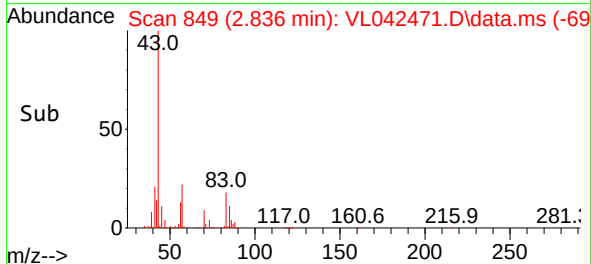
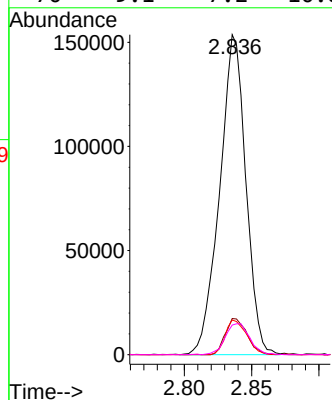
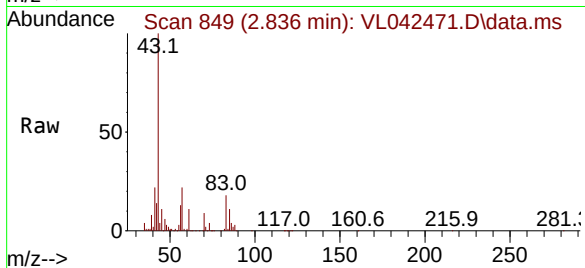
Ion Ratio Lower Upper

43 100

45 9.4 7.8 11.6

61 8.9 7.2 10.8

70 9.1 7.2 10.8



#26

Hexane

Concen: 9.673 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.000 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Tgt Ion: 57 Resp: 90030

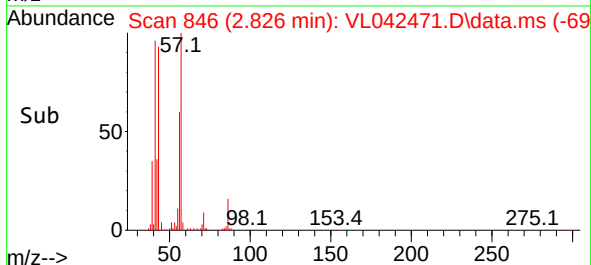
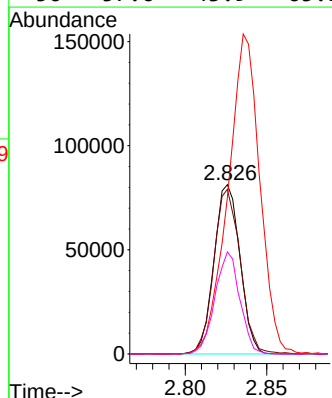
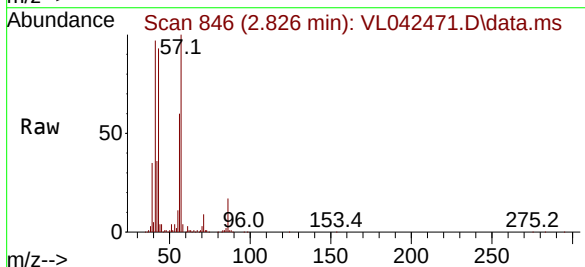
Ion Ratio Lower Upper

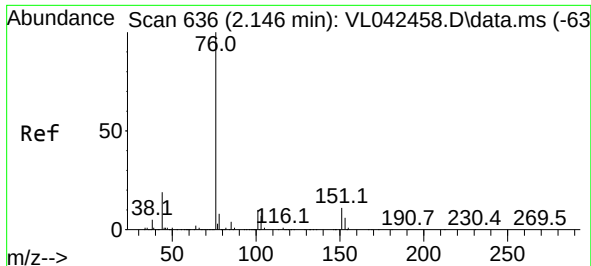
57 100

41 99.4 77.8 116.8

43 232.3 187.0 280.6

56 57.6 43.9 65.9

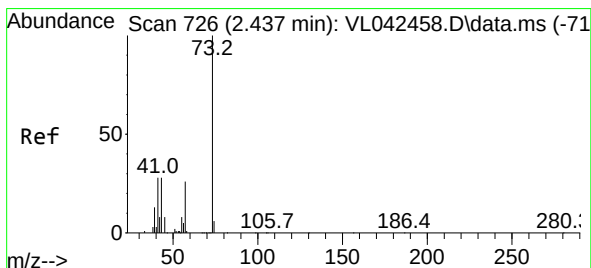
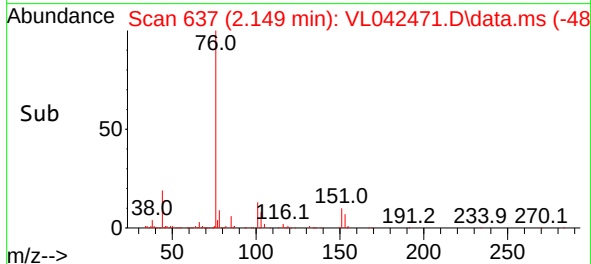
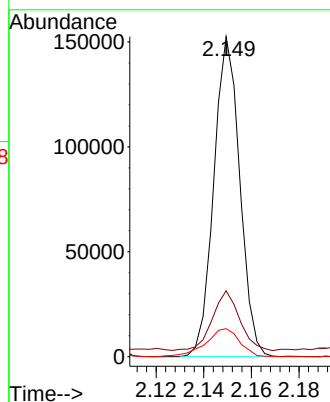
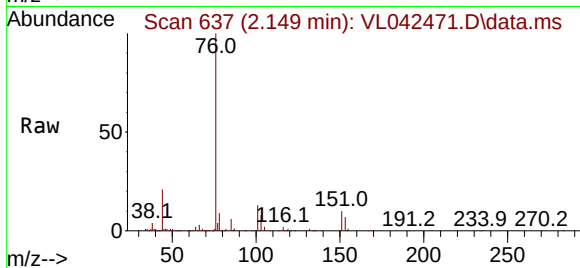




#27
Carbon Disulfide
Concen: 10.614 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

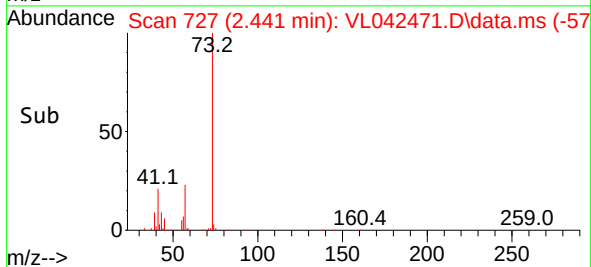
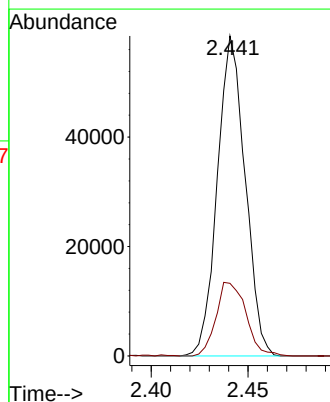
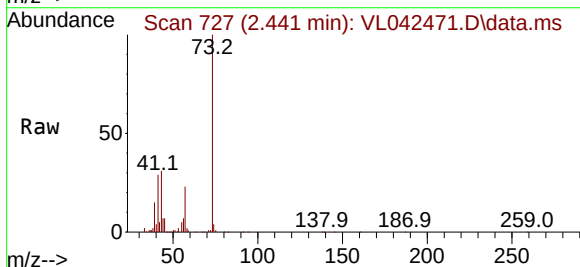
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

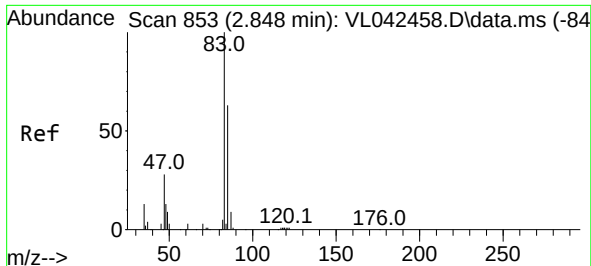
Tgt Ion: 76 Resp: 115286
Ion Ratio Lower Upper
76 100
44 22.5 21.0 31.6
78 11.4 8.6 13.0



#28
Methyl tert-Butyl Ether
Concen: 10.429 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 73 Resp: 58319
Ion Ratio Lower Upper
73 100
57 25.1 19.9 29.9





#29

Chloroform

Concen: 9.660 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

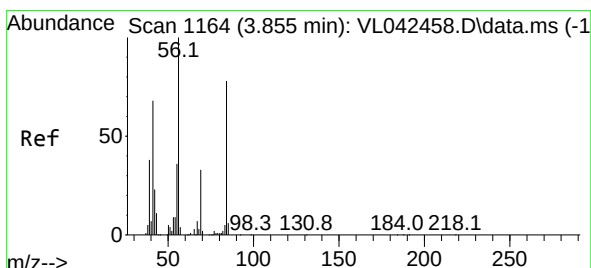
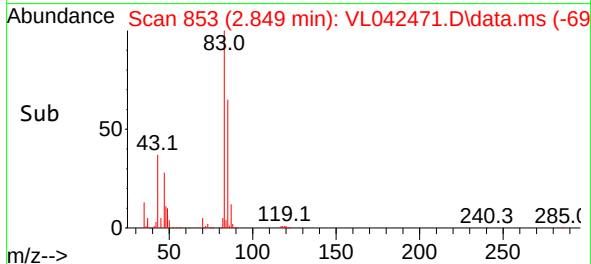
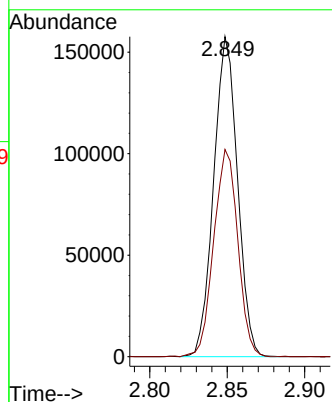
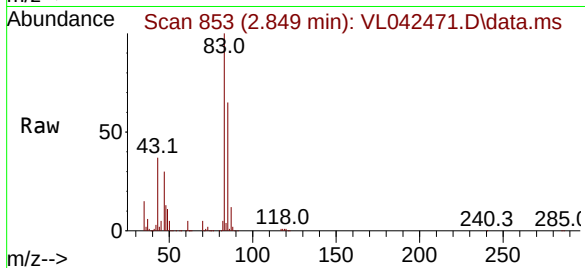
VL0505ABS01

Tgt Ion: 83 Resp: 168484

Ion Ratio Lower Upper

83 100

85 64.8 50.4 75.6



#30

Cyclohexane

Concen: 10.078 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

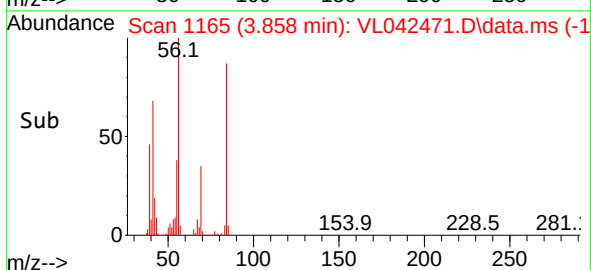
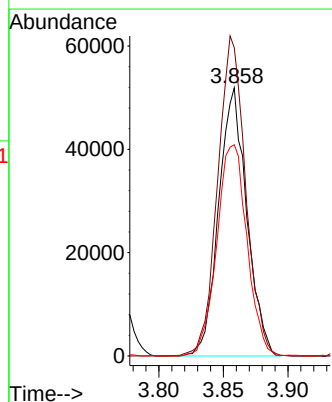
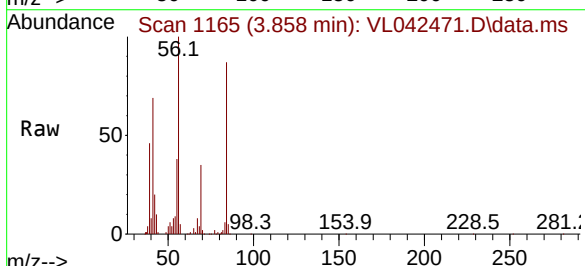
Tgt Ion: 84 Resp: 78428

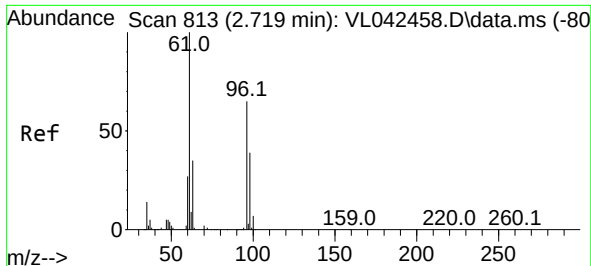
Ion Ratio Lower Upper

84 100

56 118.7 98.1 147.1

41 84.7 65.8 98.8

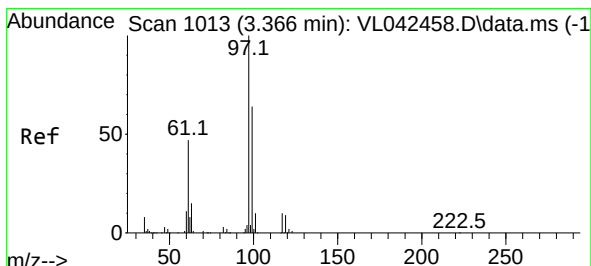
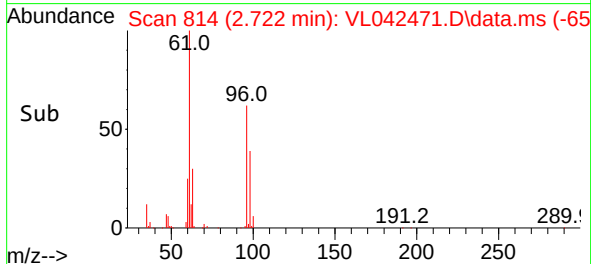
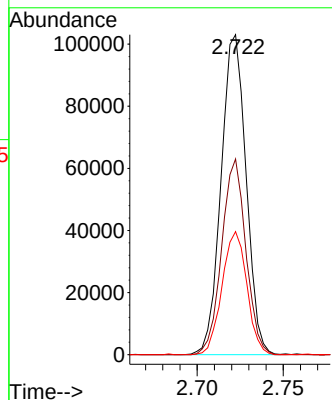
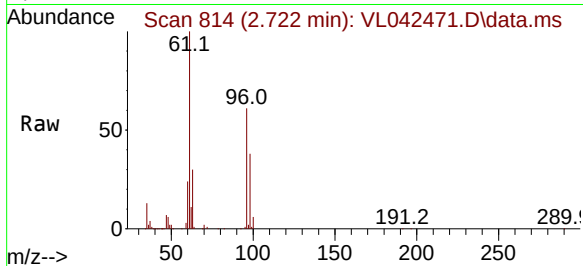




#31
 cis-1,2-Dichloroethene
 Concen: 9.595 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042471.D
 Acq: 05 May 2025 10:07

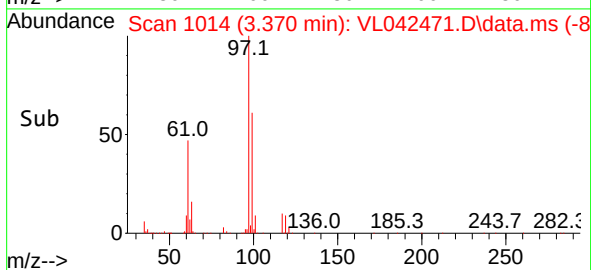
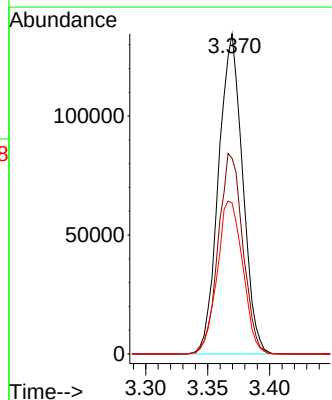
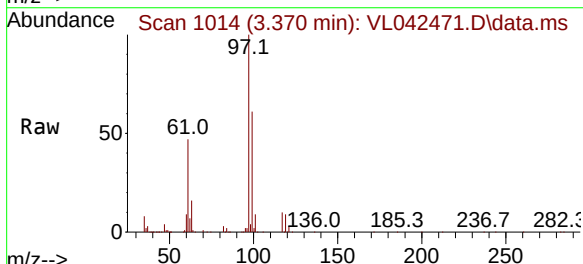
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0505ABS01

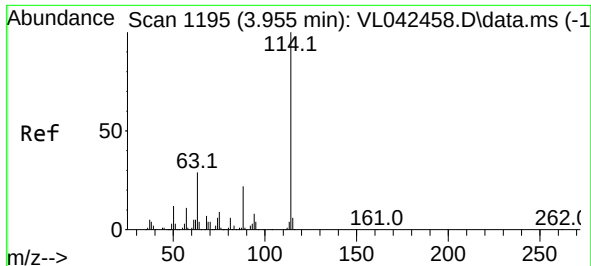
Tgt Ion: 61 Resp: 104191
 Ion Ratio Lower Upper
 61 100
 96 61.2 52.0 78.0
 98 38.4 31.0 46.6



#32
 1,1,1-Trichloroethane
 Concen: 9.632 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042471.D
 Acq: 05 May 2025 10:07

Tgt Ion: 97 Resp: 182273
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.7 76.1
 61 50.8 40.9 61.3

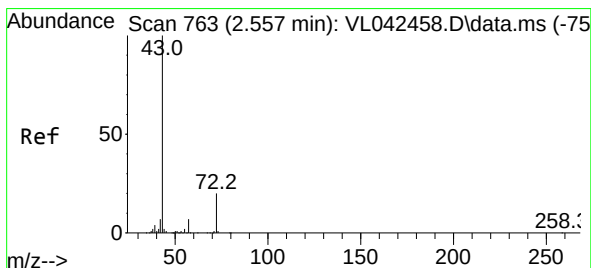
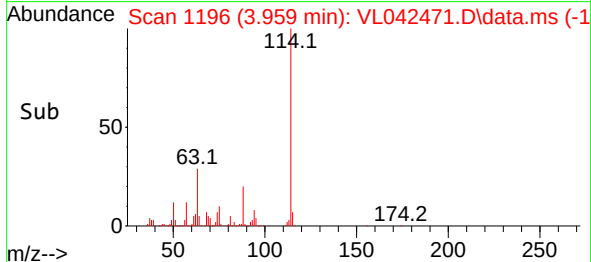
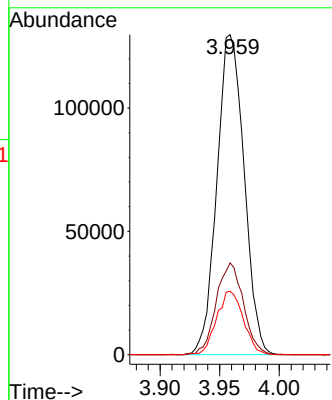
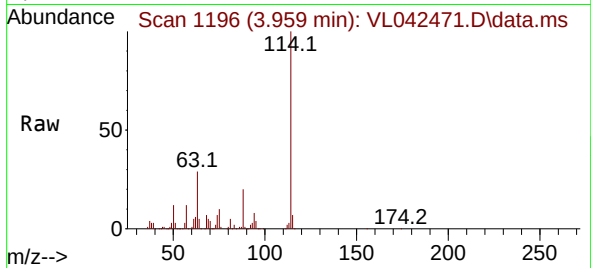




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

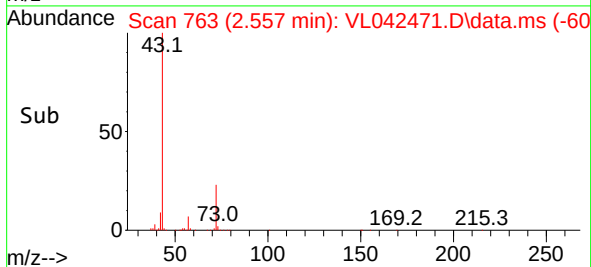
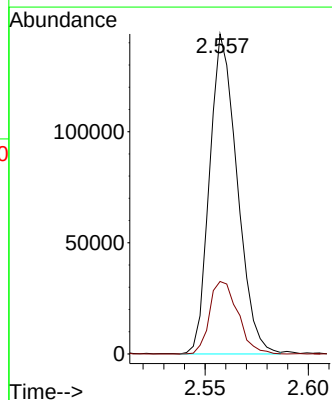
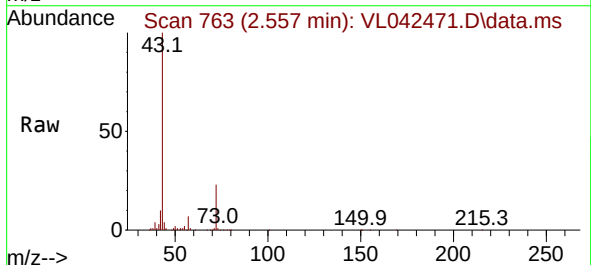
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

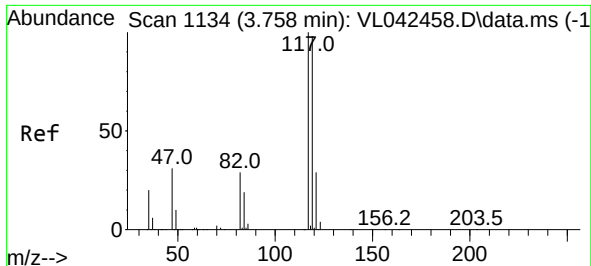
Tgt Ion:114 Resp: 206118
Ion Ratio Lower Upper
114 100
63 28.7 23.1 34.7
88 19.5 16.1 24.1



#34
2-Butanone
Concen: 8.961 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.000 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 43 Resp: 133597
Ion Ratio Lower Upper
43 100
72 23.3 16.7 25.1

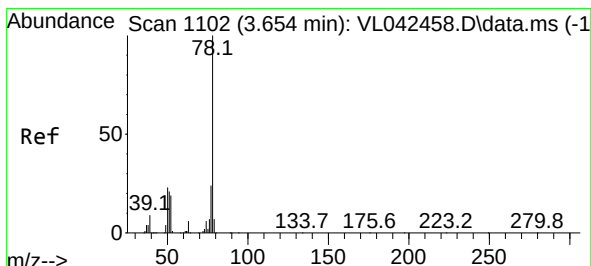
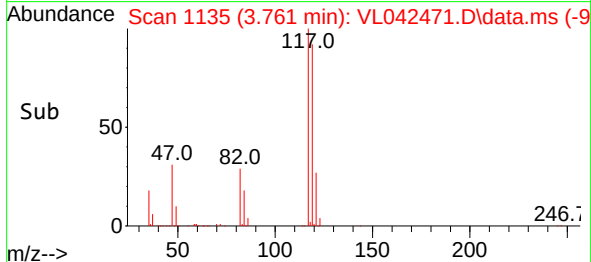
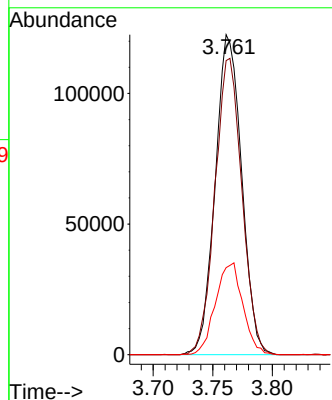
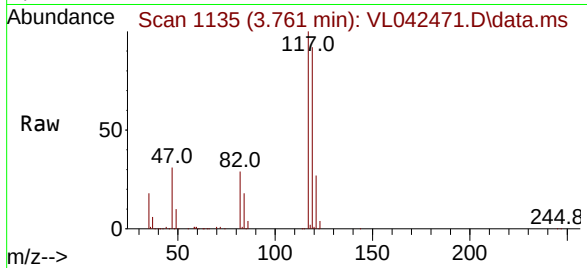




#35
Carbon Tetrachloride
Concen: 10.090 ppbv
RT: 3.761 min Scan# 1110
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

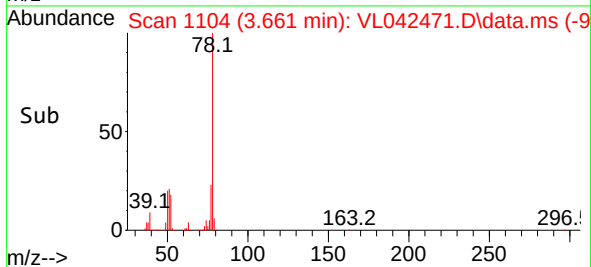
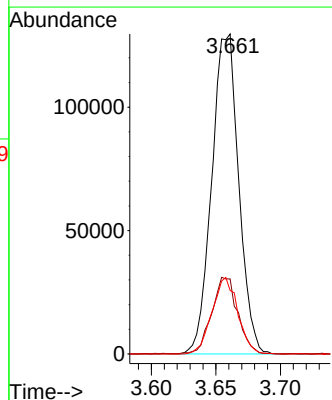
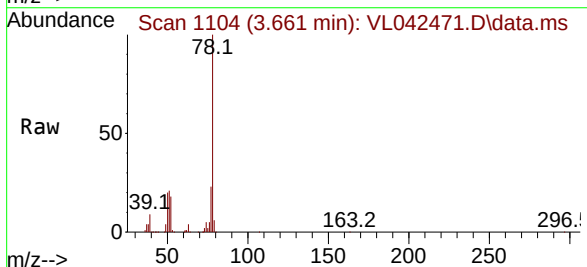
Instrument :
MSVOA_1
ClientSampleId :
VL0505ABS01

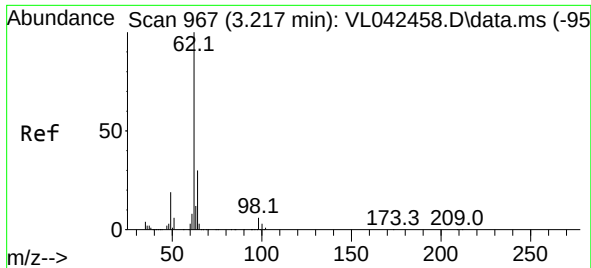
Tgt Ion:117 Resp: 188916
Ion Ratio Lower Upper
117 100
119 91.9 78.1 117.1
121 27.2 23.0 34.6



#36
Benzene
Concen: 9.682 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.007 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 78 Resp: 188320
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3
50 19.8 18.4 27.6





#37

1,2-Dichloroethane

Concen: 9.695 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_1

ClientSampleId :

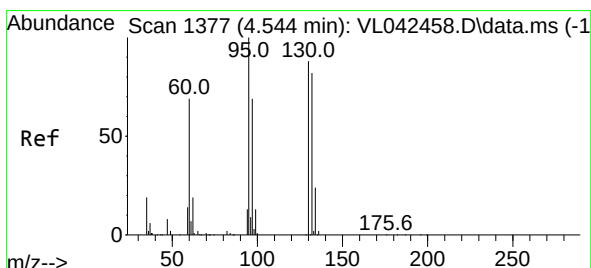
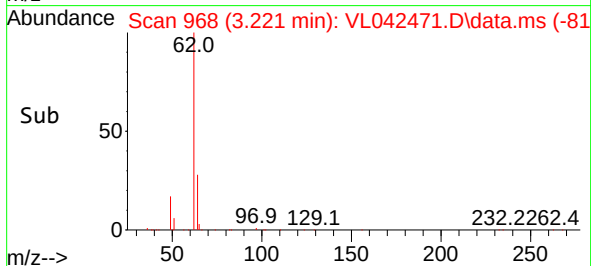
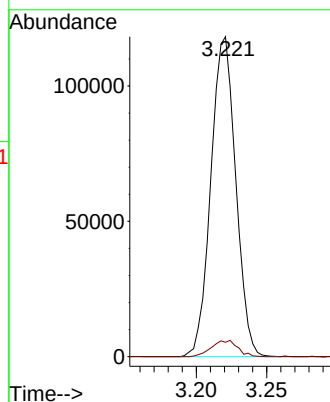
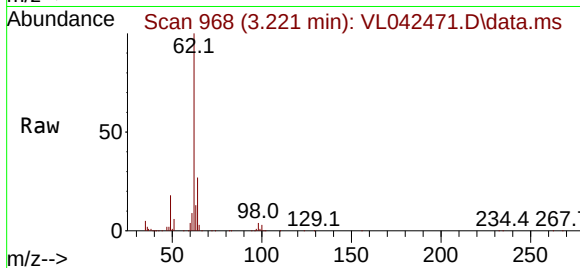
VL0505ABS01

Tgt Ion: 62 Resp: 145347

Ion Ratio Lower Upper

62 100

98 5.4 4.3 6.5



#38

Trichloroethene

Concen: 6.035 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Tgt Ion:130 Resp: 44769

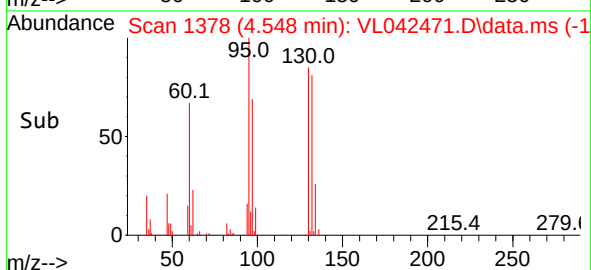
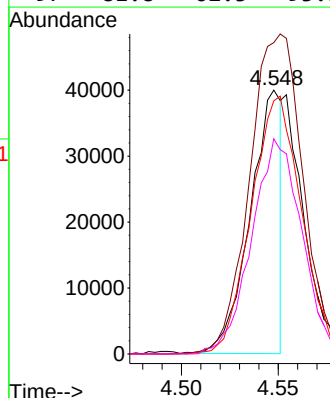
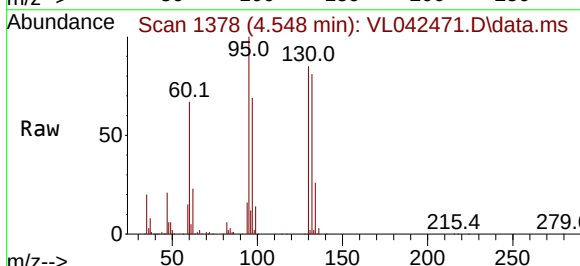
Ion Ratio Lower Upper

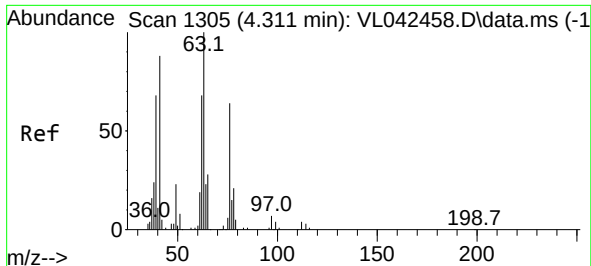
130 100

95 118.3 91.0 136.4

132 96.1 74.2 111.4

97 81.8 62.3 93.5





#39

1,2-Dichloropropane

Concen: 9.188 ppbv

RT: 4.315 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0505ABS01

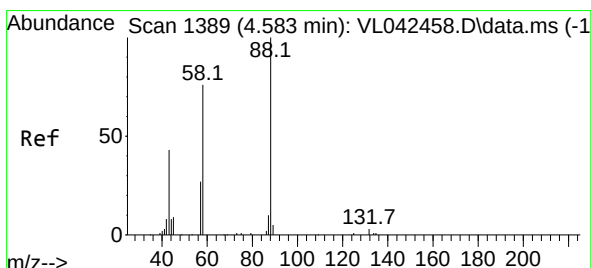
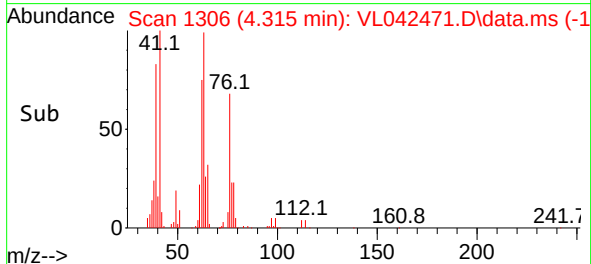
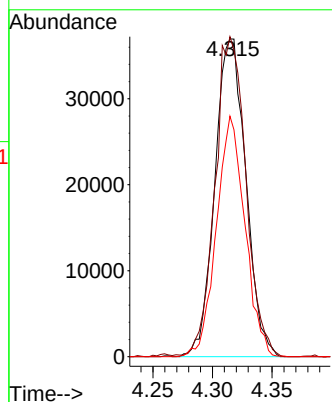
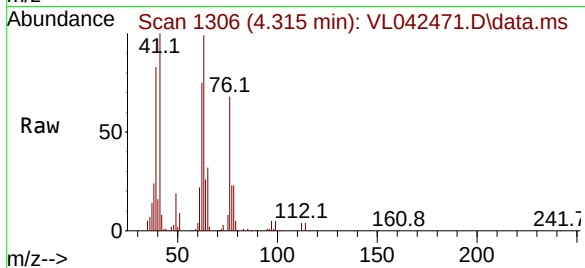
Tgt Ion: 63 Resp: 66905

Ion Ratio Lower Upper

63 100

41 100.3 69.8 104.6

62 75.5 54.3 81.5



#40

1,4-Dioxane

Concen: 9.209 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. -0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Tgt Ion: 88 Resp: 31401

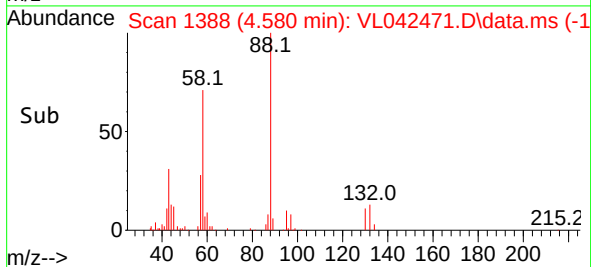
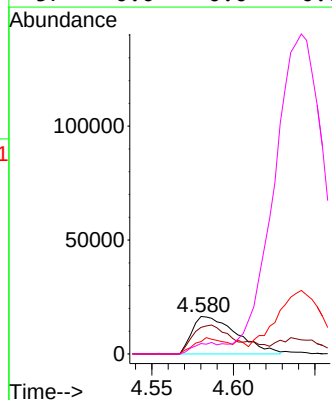
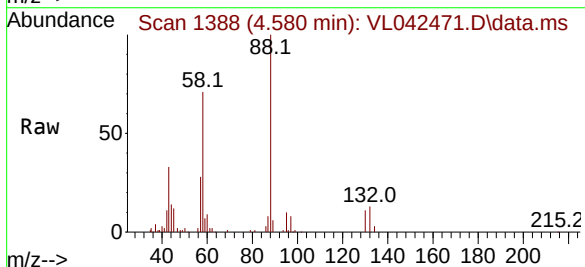
Ion Ratio Lower Upper

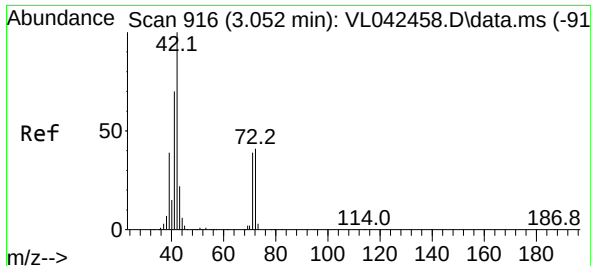
88 100

58 78.2 0.0 0.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

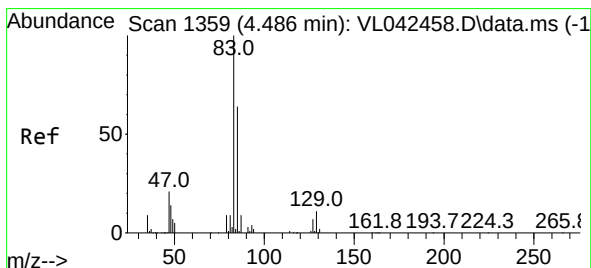
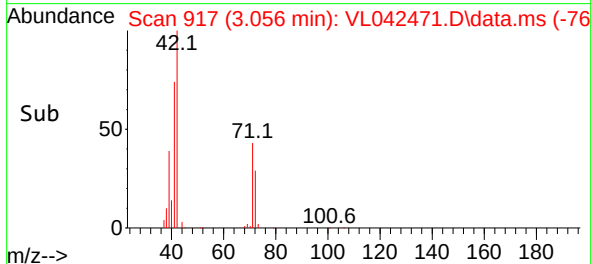
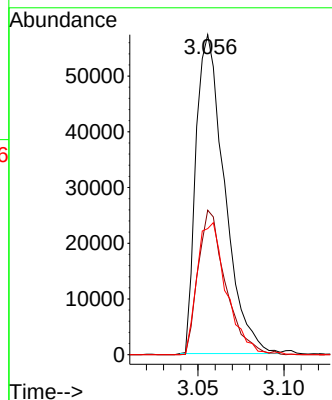
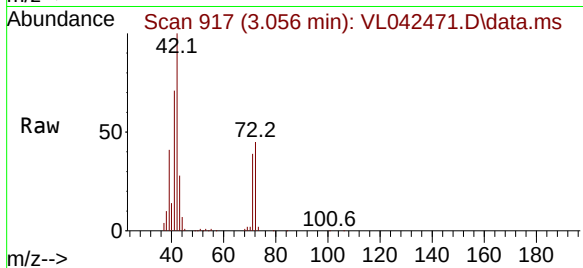




#41
Tetrahydrofuran
Concen: 9.351 ppbv
RT: 3.056 min Scan# 916
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

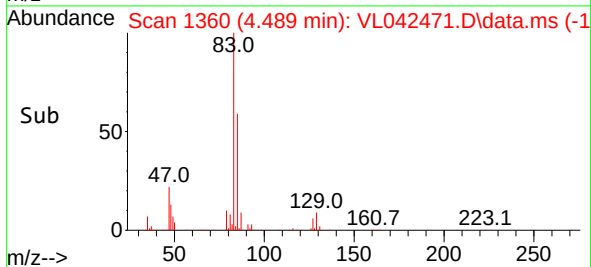
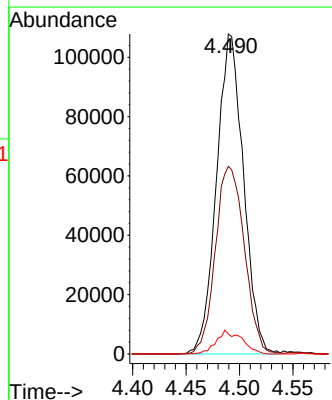
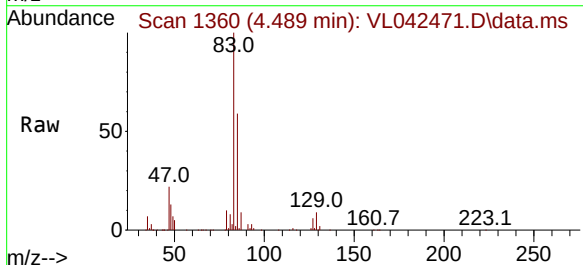
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

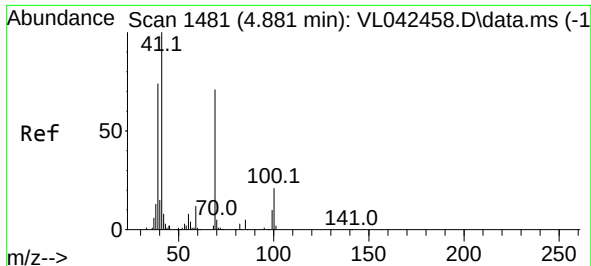
Tgt Ion: 42 Resp: 66257
Ion Ratio Lower Upper
42 100
72 43.7 33.5 50.3
71 42.5 32.6 49.0



#42
Bromodichloromethane
Concen: 10.330 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 83 Resp: 189214
Ion Ratio Lower Upper
83 100
85 58.6 51.5 77.3
127 6.2 5.4 8.2

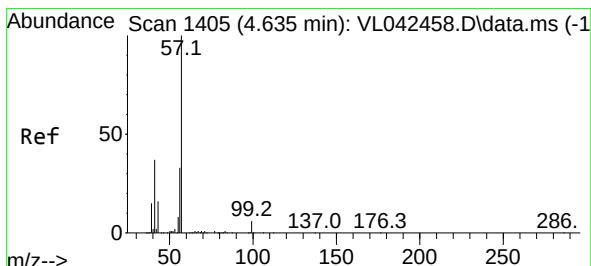
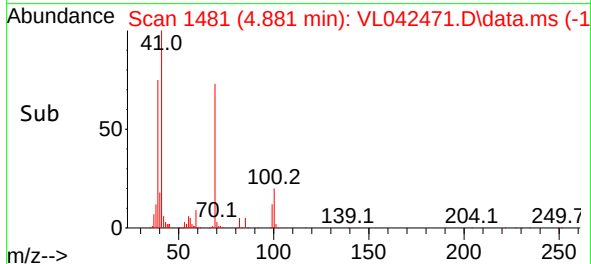
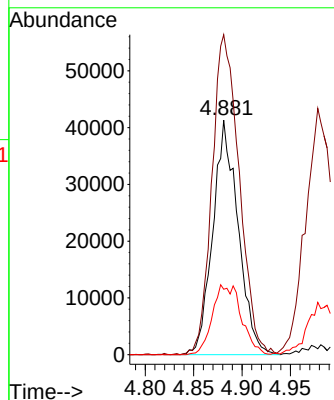
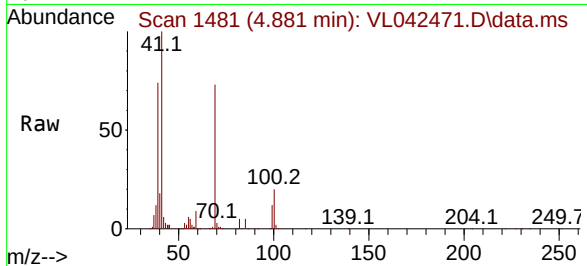




#43
Methyl Methacrylate
Concen: 10.326 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.000 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

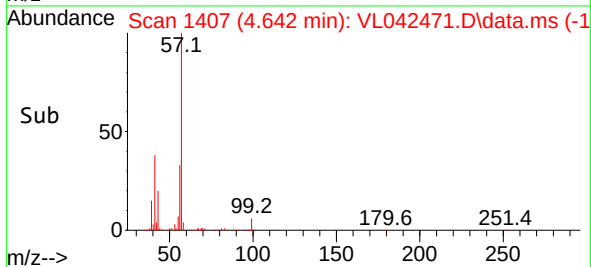
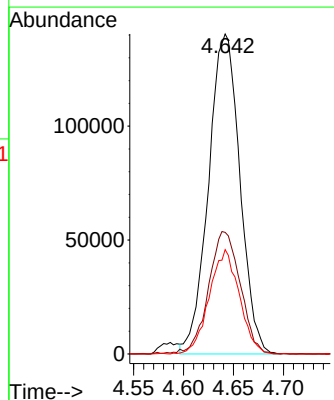
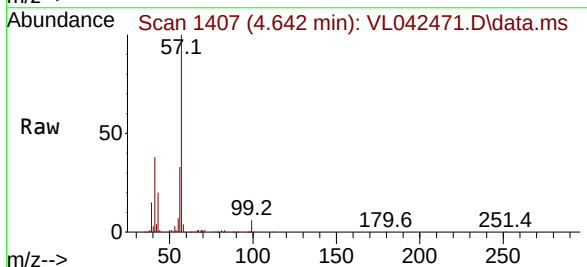
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

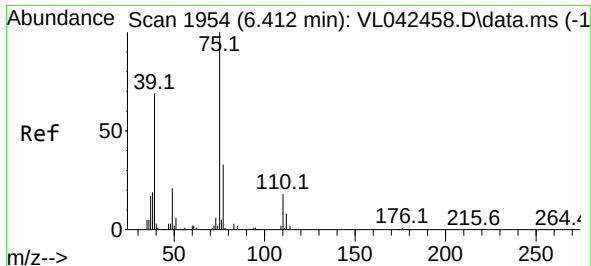
Tgt Ion: 69 Resp: 74953
Ion Ratio Lower Upper
69 100
41 147.3 120.8 181.2
100 34.1 26.7 40.1



#44
2,2,4-Trimethylpentane
Concen: 9.737 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.007 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 57 Resp: 307008
Ion Ratio Lower Upper
57 100
41 39.0 30.6 45.8
56 31.2 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 10.841 ppbv

RT: 6.415 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_1

ClientSampleId :

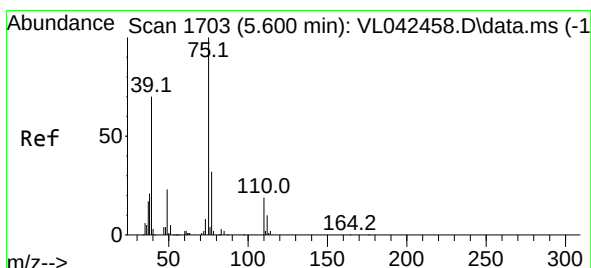
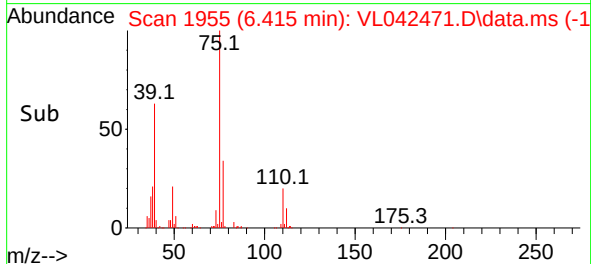
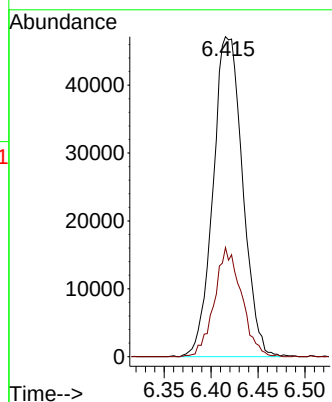
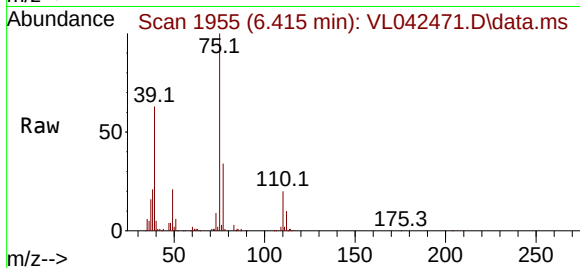
VL0505ABS01

Tgt Ion: 75 Resp: 103231

Ion Ratio Lower Upper

75 100

77 34.1 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 10.313 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

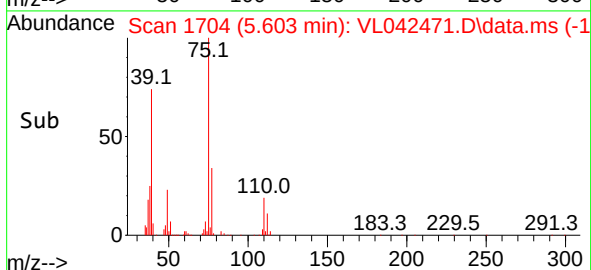
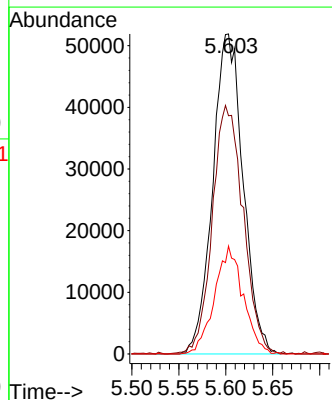
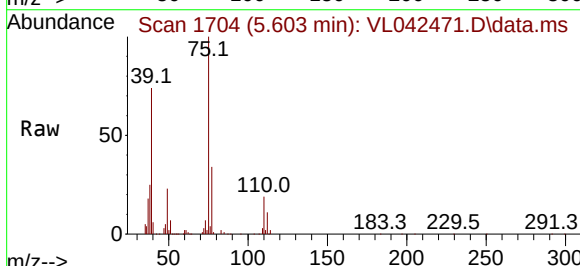
Tgt Ion: 75 Resp: 116725

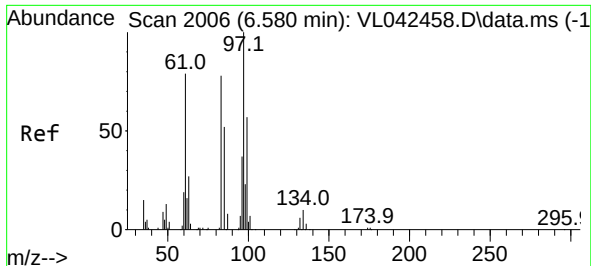
Ion Ratio Lower Upper

75 100

39 74.1 55.7 83.5

77 33.7 25.8 38.8

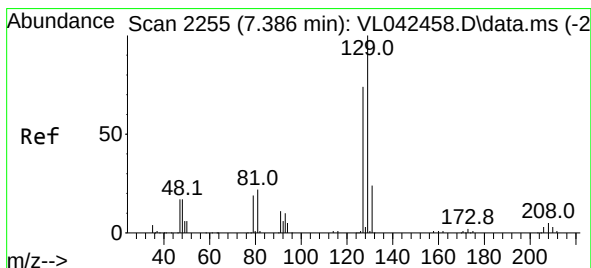
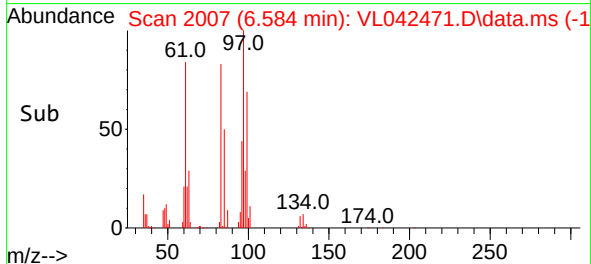
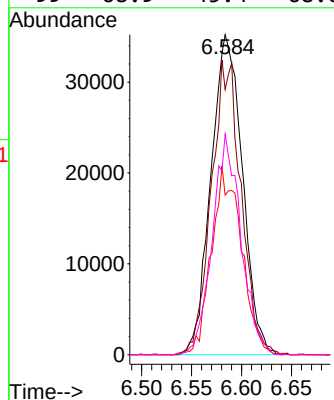
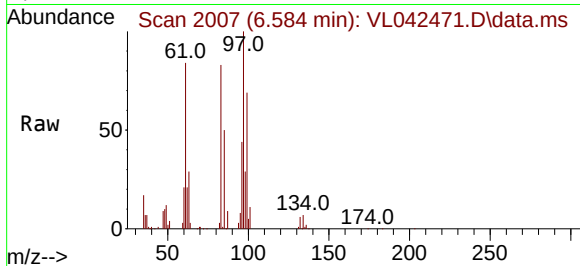




#47
1,1,2-Trichloroethane
Concen: 9.648 ppbv
RT: 6.584 min Scan# 2006
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

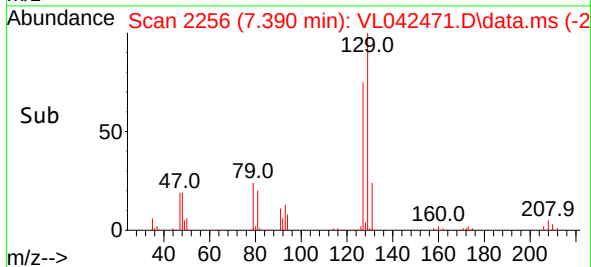
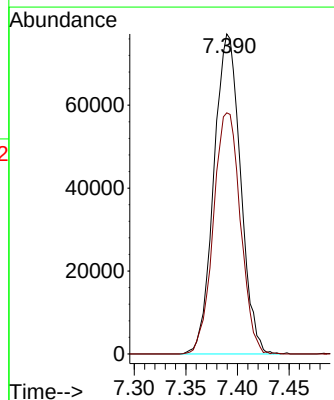
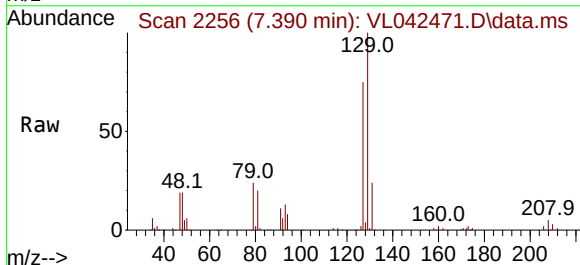
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

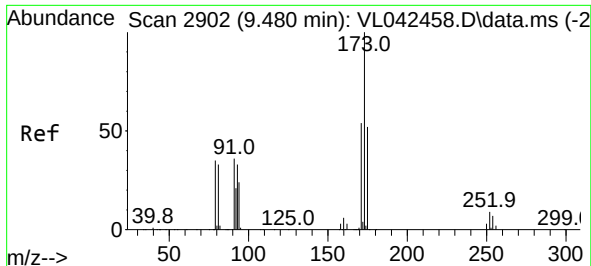
Tgt Ion:	97	Resp:	77049
Ion	Ratio	Lower	Upper
97	100		
83	82.7	62.2	93.2
85	49.7	41.5	62.3
99	68.9	45.4	68.0



#48
Dibromochloromethane
Concen: 10.274 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion:	129	Resp:	138518
Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.5	118.5

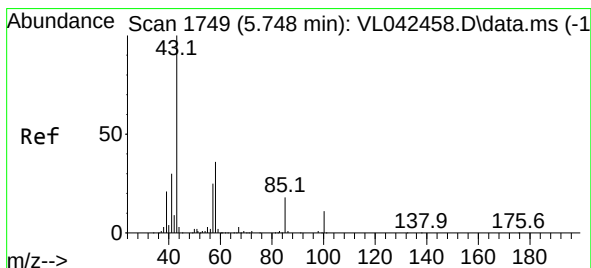
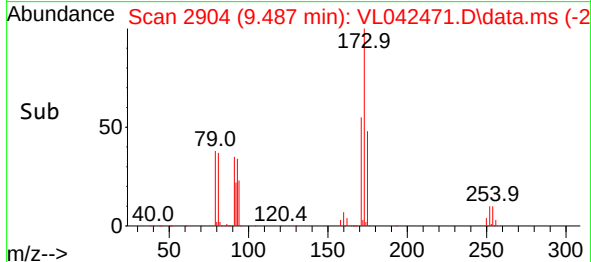
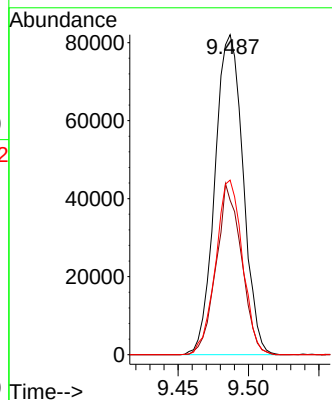
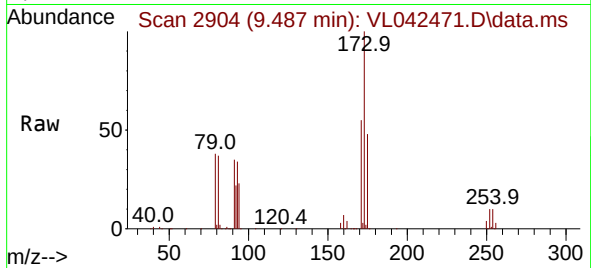




#49
Bromoform
Concen: 10.115 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. 0.007 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

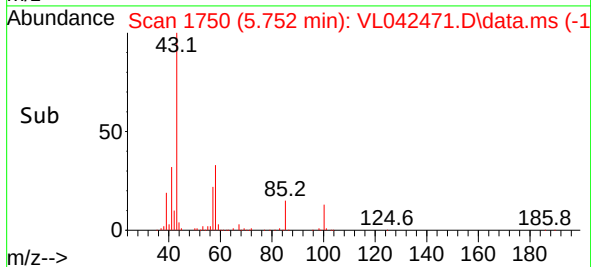
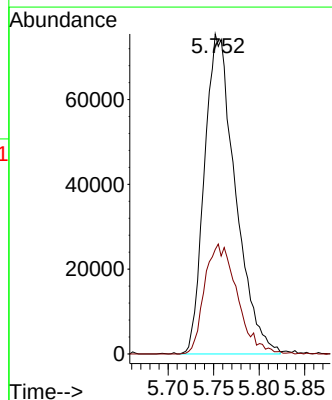
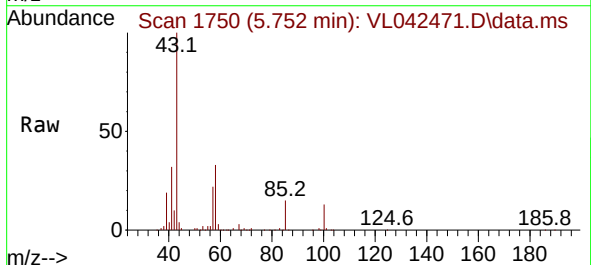
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

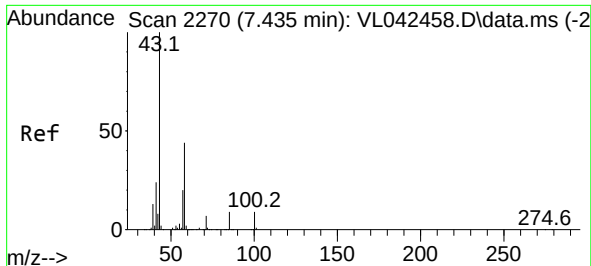
Tgt Ion:173 Resp: 114364
Ion Ratio Lower Upper
173 100
175 48.0 38.9 58.3
171 52.0 40.6 60.8



#50
4-Methyl-2-Pentanone
Concen: 9.433 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 43 Resp: 177898
Ion Ratio Lower Upper
43 100
58 36.4 29.5 44.3

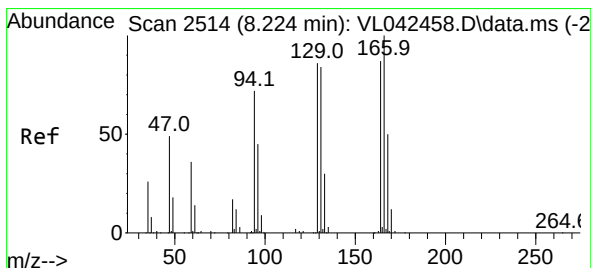
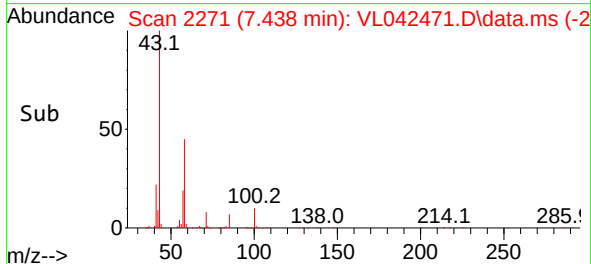
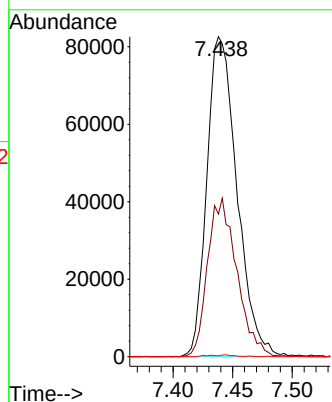
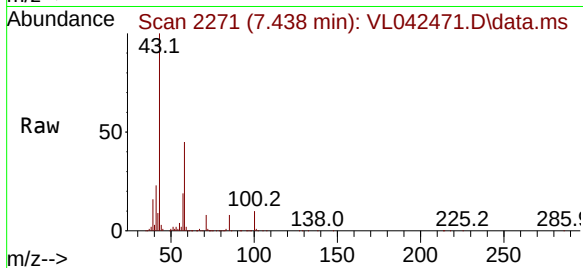




#51
2-Hexanone
Concen: 9.631 ppbv
RT: 7.438 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

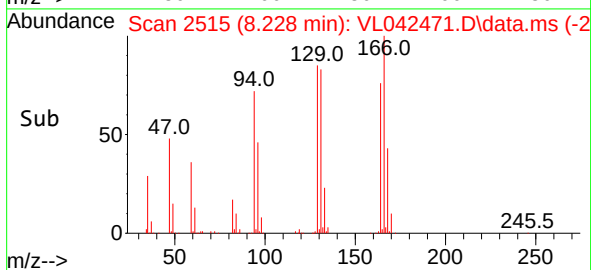
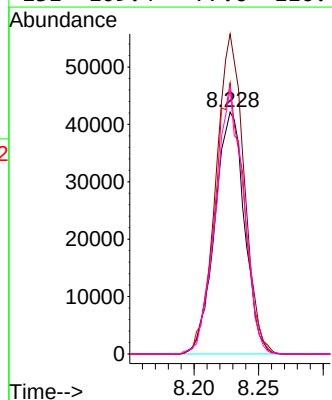
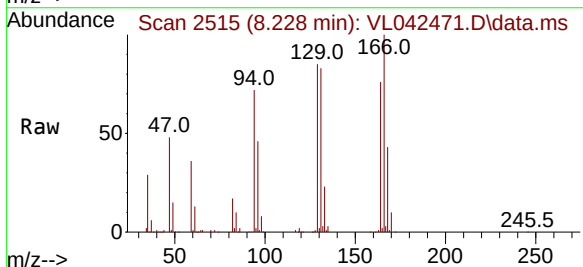
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

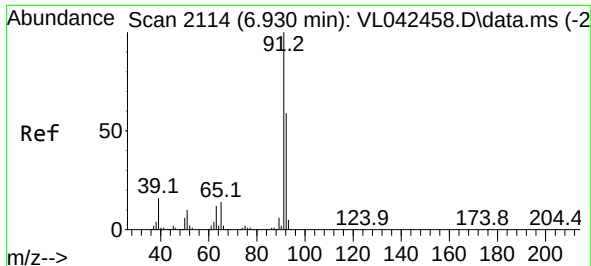
Tgt Ion: 43 Resp: 145213
Ion Ratio Lower Upper
43 100
58 48.1 37.2 55.8
98 0.5 0.4 0.6



#52
Tetrachloroethene
Concen: 9.076 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 164 Resp: 67191
Ion Ratio Lower Upper
164 100
166 132.3 91.6 137.4
129 112.1 79.0 118.4
131 109.4 77.6 116.4

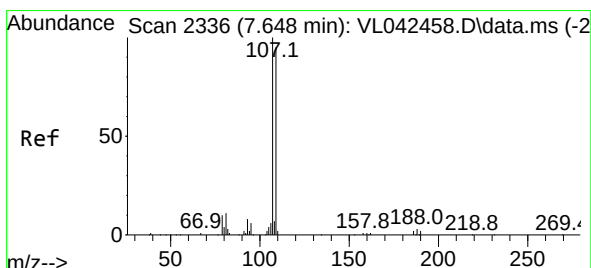
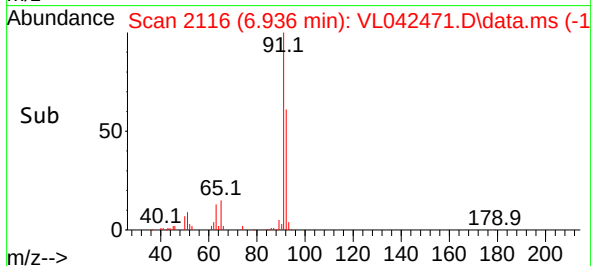
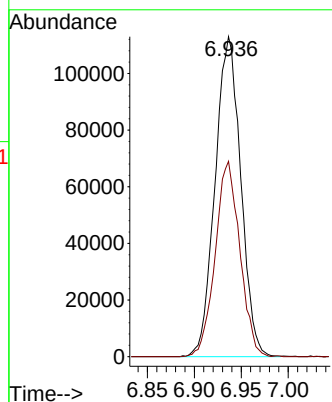
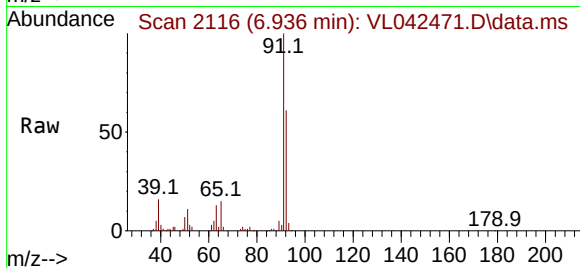




#53
Toluene
Concen: 10.434 ppbv
RT: 6.936 min Scan# 2114
Delta R.T. 0.007 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

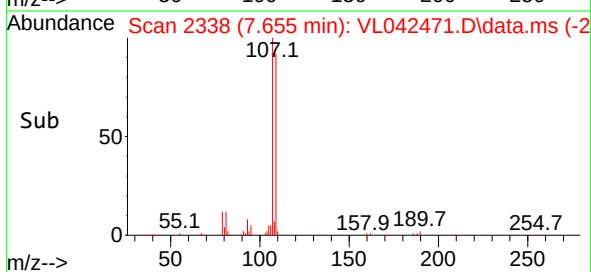
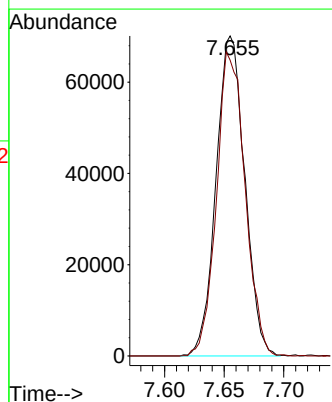
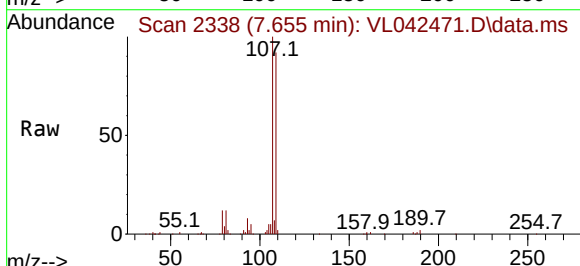
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

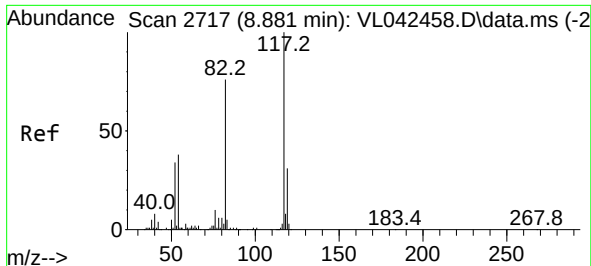
Tgt Ion: 91 Resp: 214815
Ion Ratio Lower Upper
91 100
92 58.6 47.9 71.9



#54
1,2-Dibromoethane
Concen: 9.619 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.007 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 107 Resp: 117449
Ion Ratio Lower Upper
107 100
109 92.4 76.0 114.0

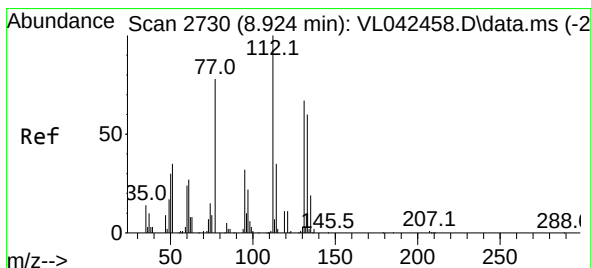
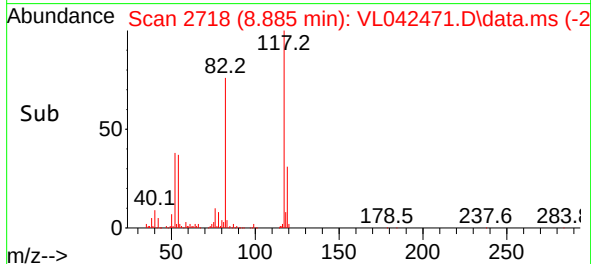
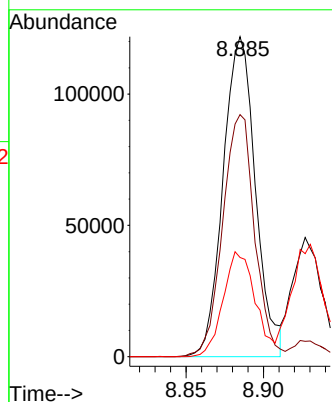
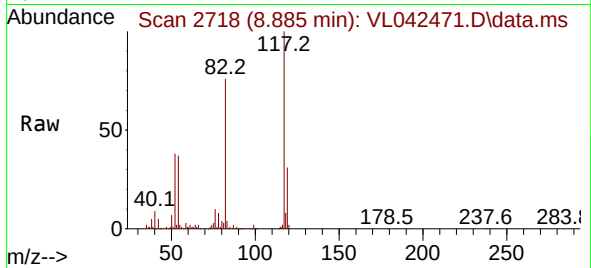




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2717
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

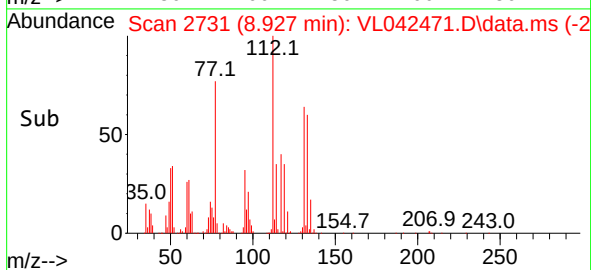
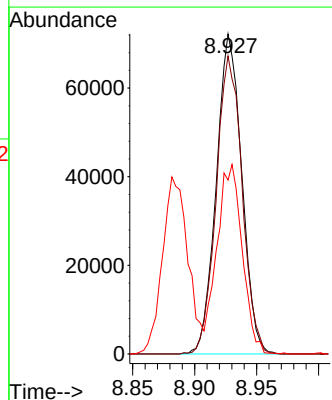
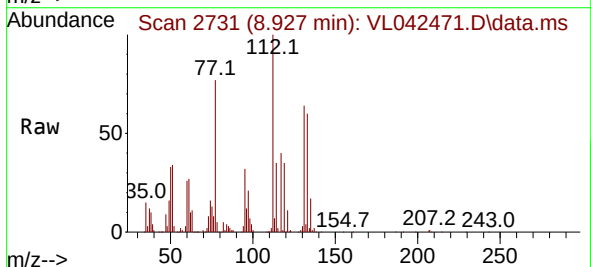
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

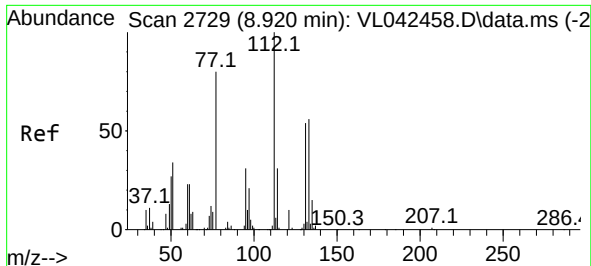
Tgt Ion:117 Resp: 177063
Ion Ratio Lower Upper
117 100
82 79.0 63.5 95.3
119 32.0 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 9.897 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion:131 Resp: 103494
Ion Ratio Lower Upper
131 100
133 94.7 76.0 114.0
119 60.9 46.1 69.1

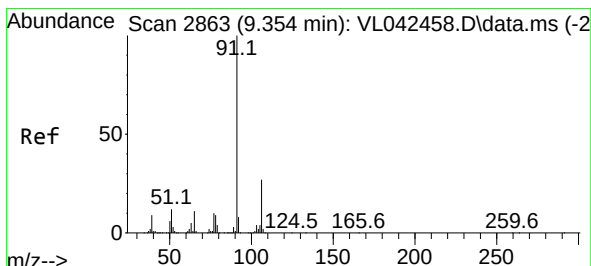
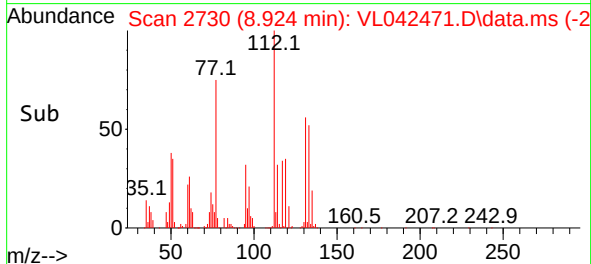
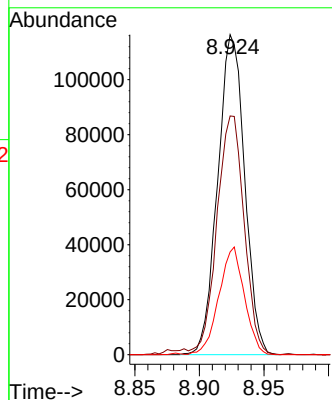
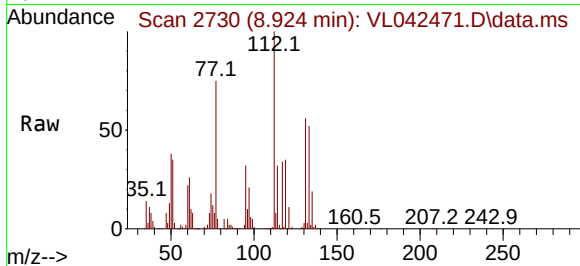




#57
Chlorobenzene
Concen: 9.495 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

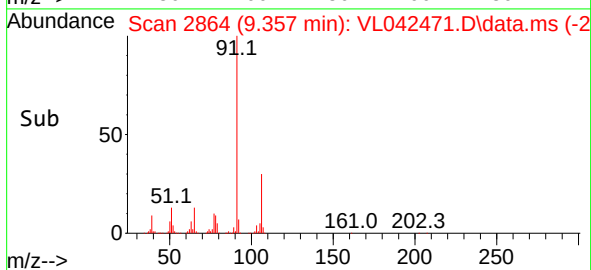
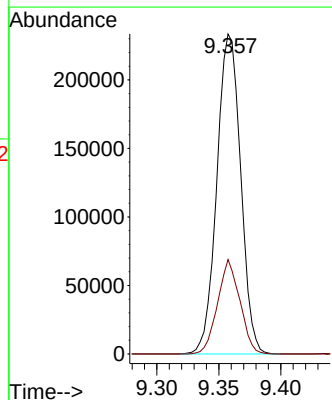
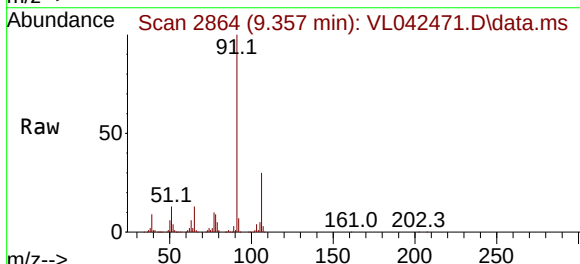
Instrument :
MSVOA_1
ClientSampleId :
VL0505ABS01

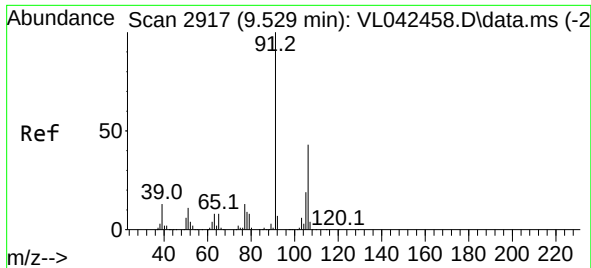
Tgt Ion:112 Resp: 168941
Ion Ratio Lower Upper
112 100
77 74.5 65.0 97.4
114 32.1 27.5 33.7



#58
Ethyl Benzene
Concen: 10.568 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 91 Resp: 312698
Ion Ratio Lower Upper
91 100
106 29.5 21.9 32.9

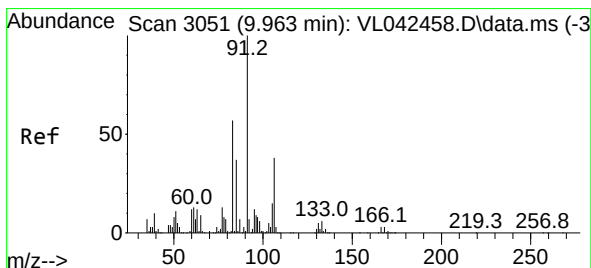
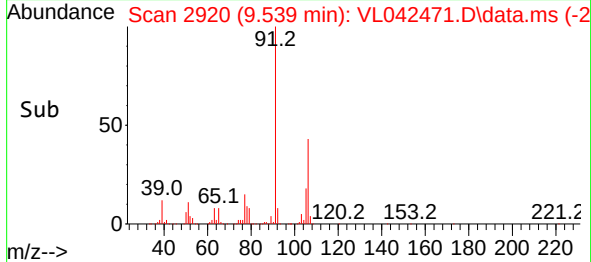
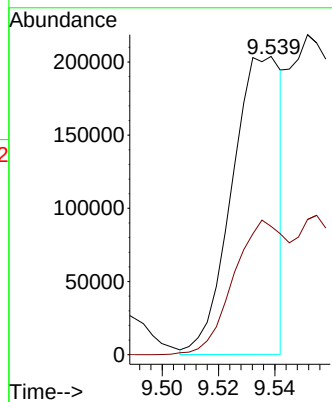
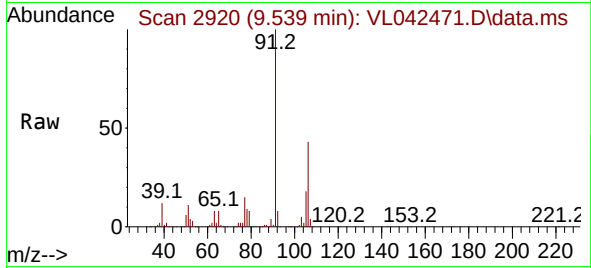




#59
m/p-Xylene
Concen: 9.958 ppbv
RT: 9.539 min Scan# 2917
Delta R.T. 0.010 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

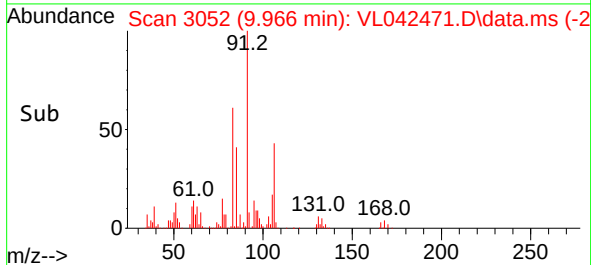
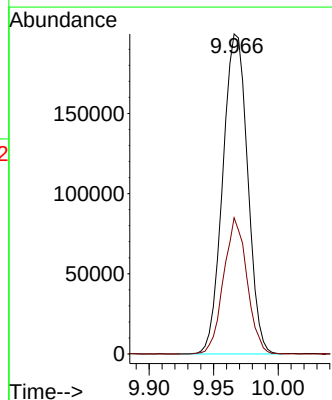
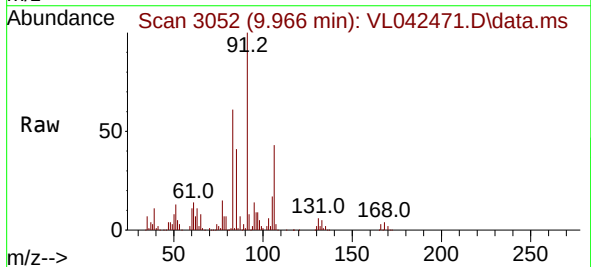
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

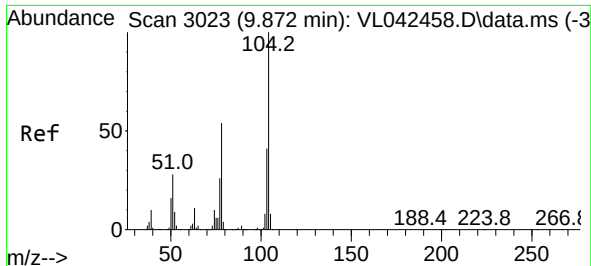
Tgt Ion: 91 Resp: 247023
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#



#60
o-Xylene
Concen: 10.758 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion: 91 Resp: 267198
Ion Ratio Lower Upper
91 100
106 40.1 20.1 60.2

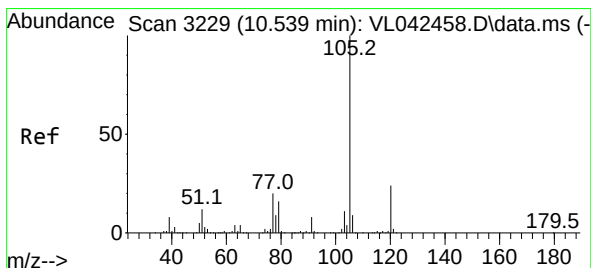
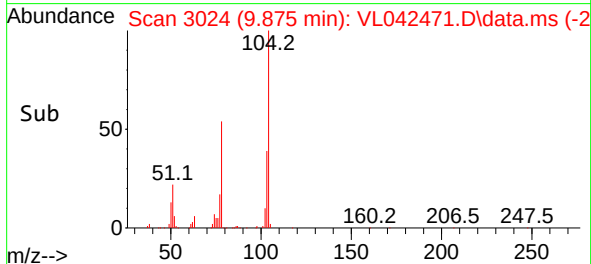
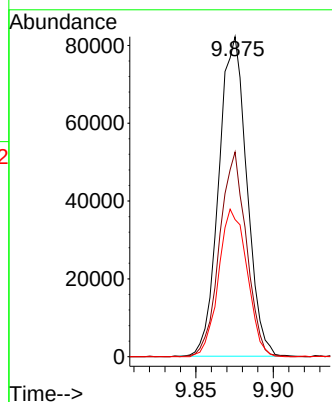
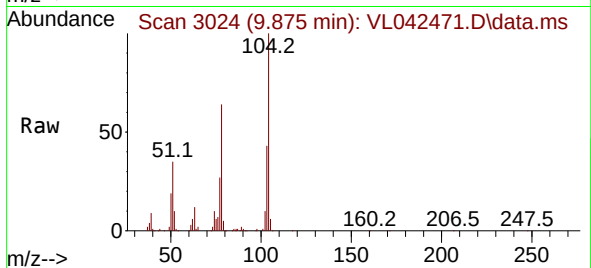




#61
Styrene
Concen: 11.138 ppbv
RT: 9.875 min Scan# 3023
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

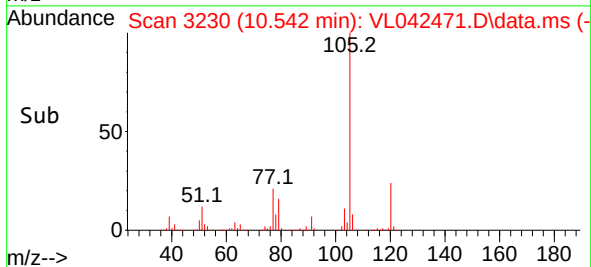
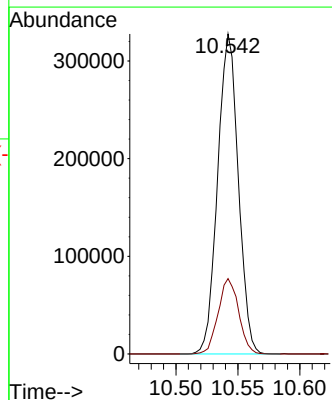
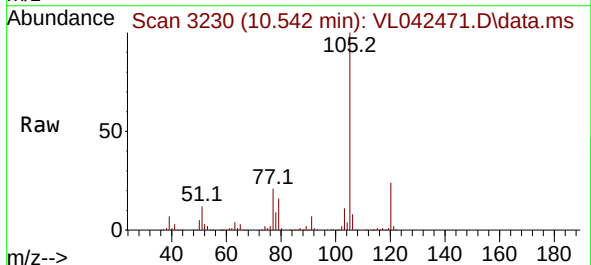
Instrument :
MSVOA_L
ClientSampleId :
VL0505ABS01

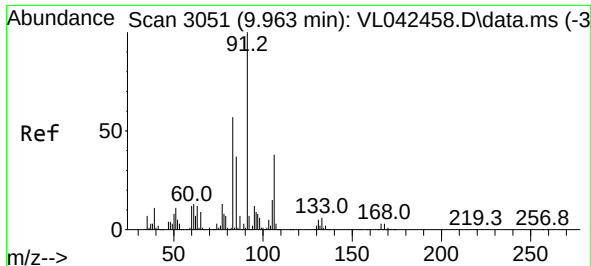
Tgt Ion:104 Resp: 103232
Ion Ratio Lower Upper
104 100
78 61.4 46.9 70.3
103 47.1 36.6 55.0



#62
Isopropylbenzene
Concen: 10.630 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion:105 Resp: 380840
Ion Ratio Lower Upper
105 100
120 23.4 18.8 28.2





#63

1,1,2,2-Tetrachloroethane

Concen: 9.079 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0505ABS01

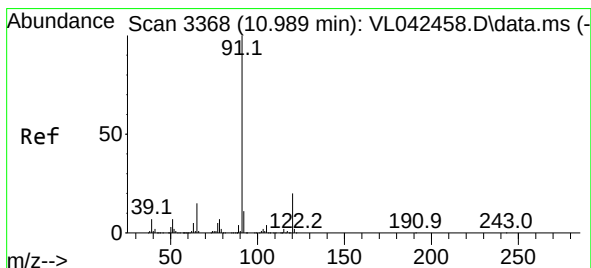
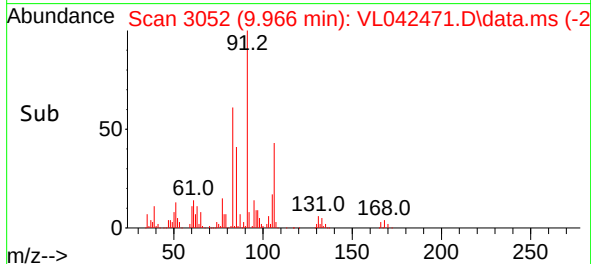
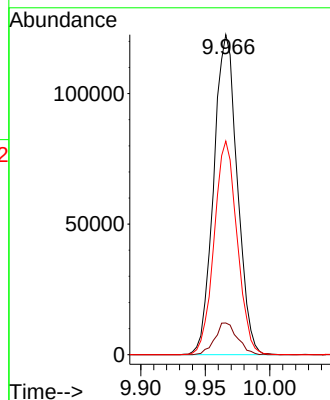
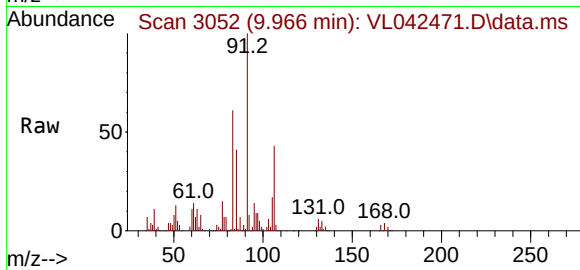
Tgt Ion: 83 Resp: 155457

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.1

85 65.1 32.5 97.4



#64

n-propylbenzene

Concen: 10.714 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.003 min

Lab File: VL042471.D

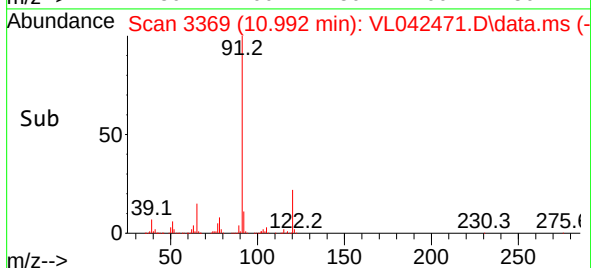
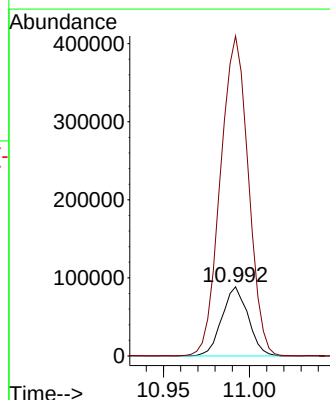
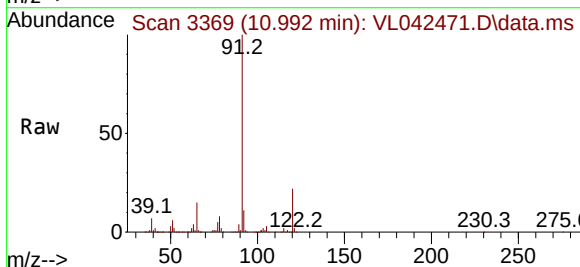
Acq: 05 May 2025 10:07

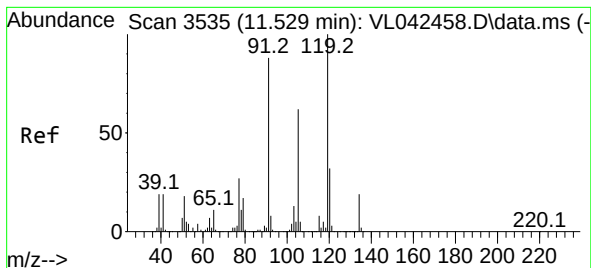
Tgt Ion: 120 Resp: 93814

Ion Ratio Lower Upper

120 100

91 495.0 408.6 612.8





#65

tert-Butylbenzene

Concen: 10.697 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0505ABS01

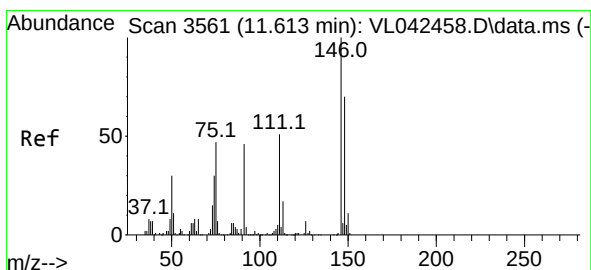
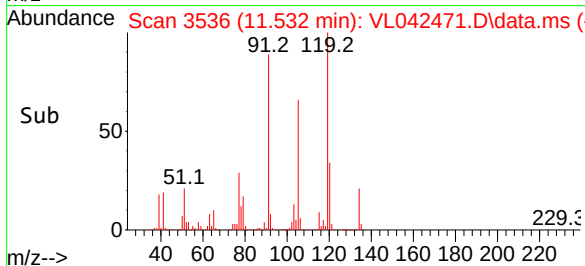
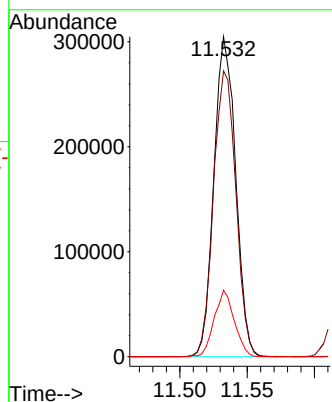
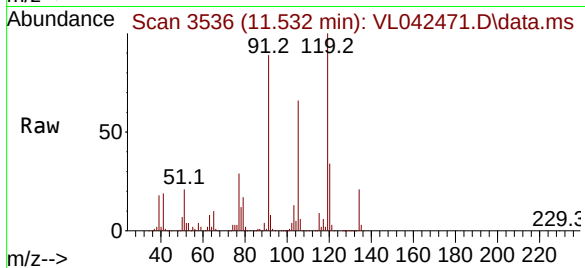
Tgt Ion:119 Resp: 342014

Ion Ratio Lower Upper

119 100

91 92.3 71.6 107.4

134 19.3 15.0 22.4



#66

Benzyl Chloride

Concen: 12.370 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.007 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

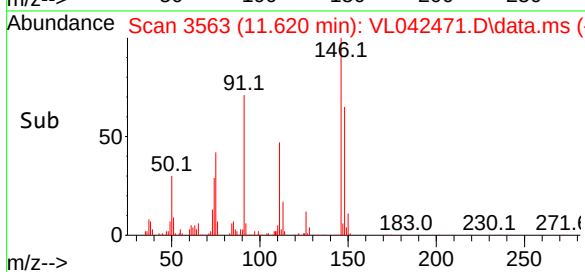
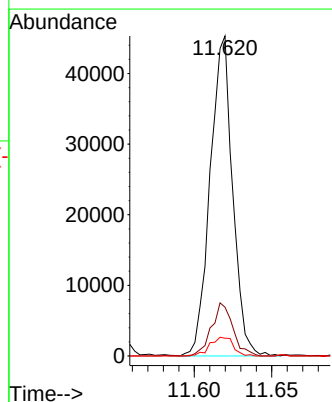
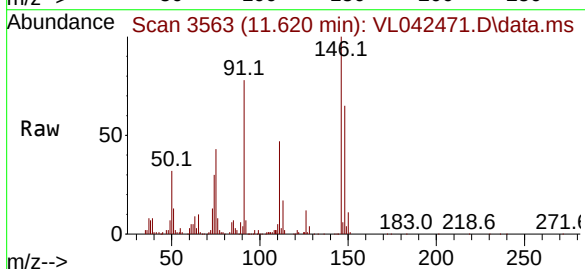
Tgt Ion: 91 Resp: 45711

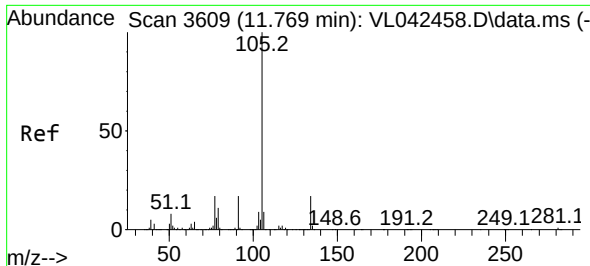
Ion Ratio Lower Upper

91 100

126 15.7 13.3 19.9

128 6.1 4.2 6.4

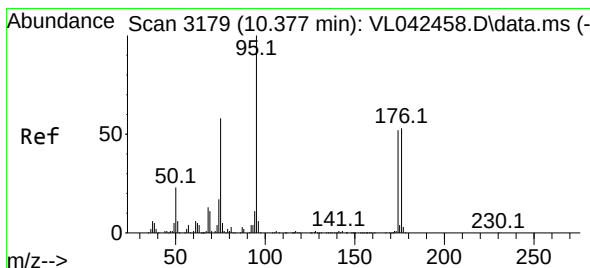
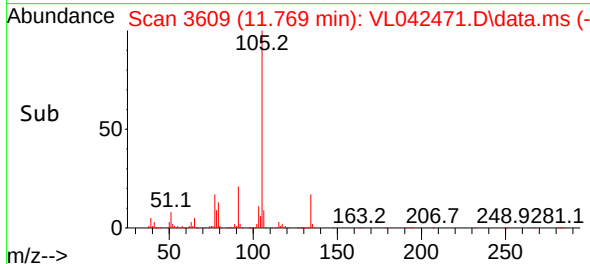
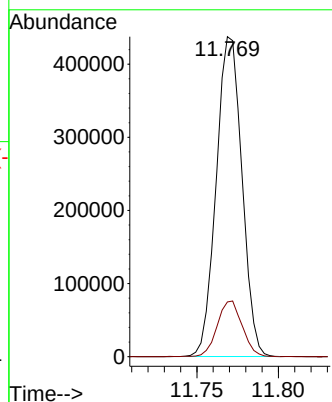
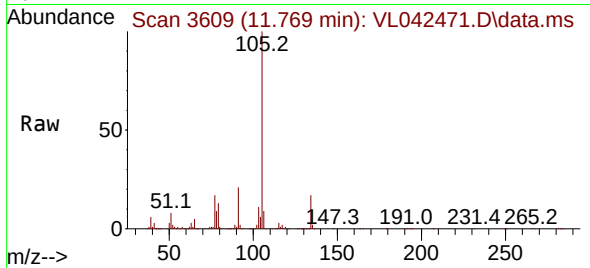




#67
 sec-Butylbenzene
 Concen: 10.565 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VL042471.D
 Acq: 05 May 2025 10:07

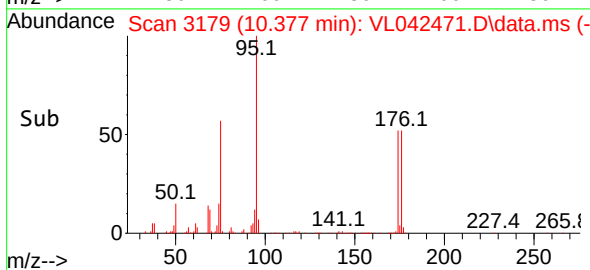
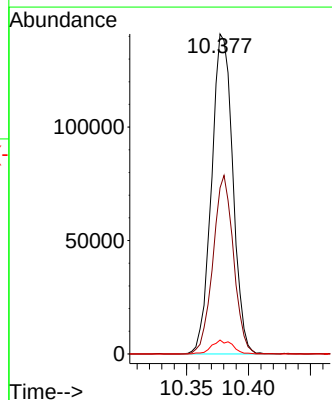
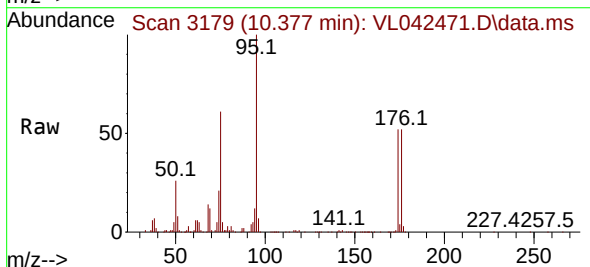
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0505ABS01

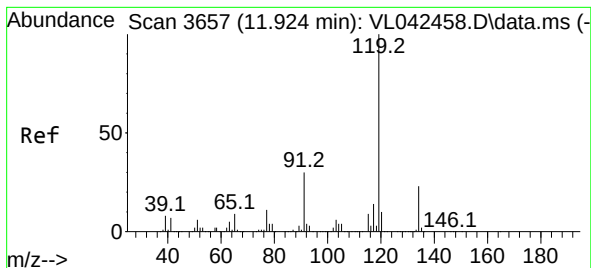
Tgt Ion:105 Resp: 480000
 Ion Ratio Lower Upper
 105 100
 134 17.0 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.273 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: VL042471.D
 Acq: 05 May 2025 10:07

Tgt Ion: 95 Resp: 168649
 Ion Ratio Lower Upper
 95 100
 174 54.0 42.7 64.1
 175 4.3 3.6 5.4





#69

p-Isopropyltoluene

Concen: 10.786 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0505ABS01

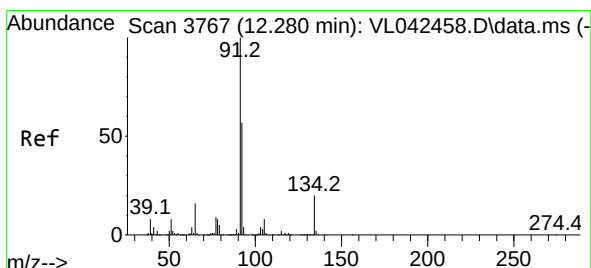
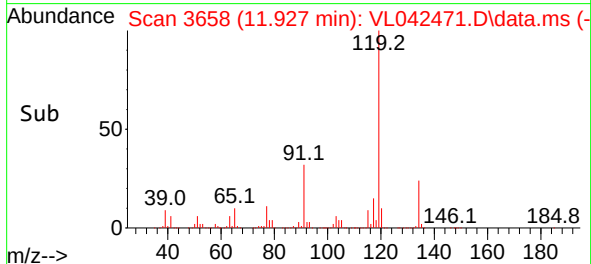
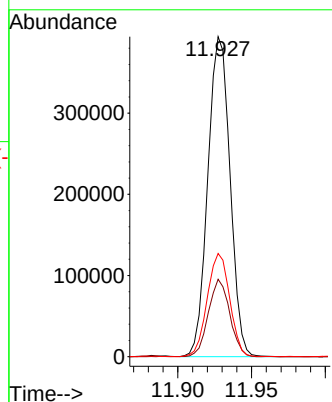
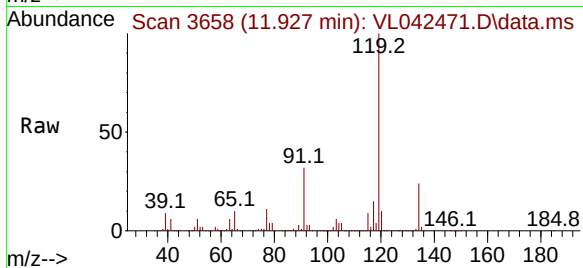
Tgt Ion:119 Resp: 412889

Ion Ratio Lower Upper

119 100

134 23.4 19.0 28.4

91 32.8 25.5 38.3



#70

n-Butylbenzene

Concen: 10.756 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

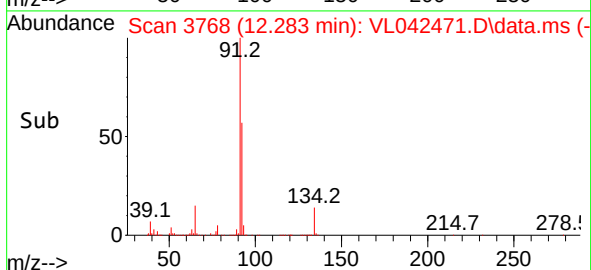
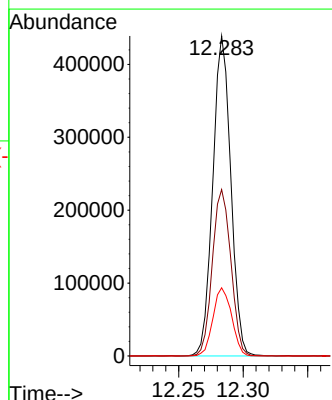
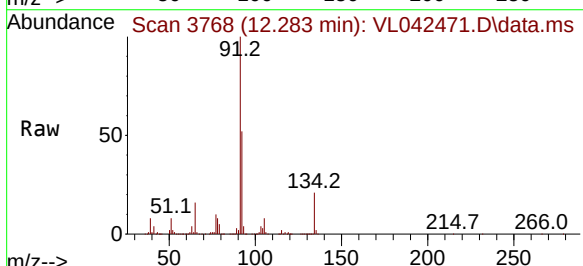
Tgt Ion: 91 Resp: 425652

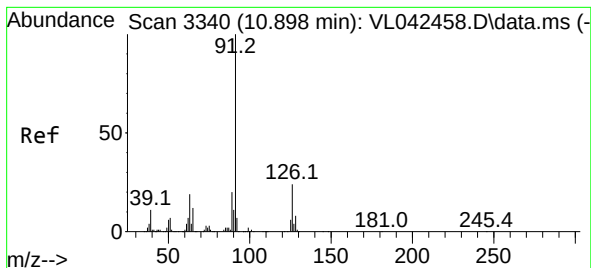
Ion Ratio Lower Upper

91 100

92 53.5 44.0 66.0

134 22.1 16.8 25.2





#71

2-Chlorotoluene

Concen: 10.741 ppbv

RT: 10.905 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

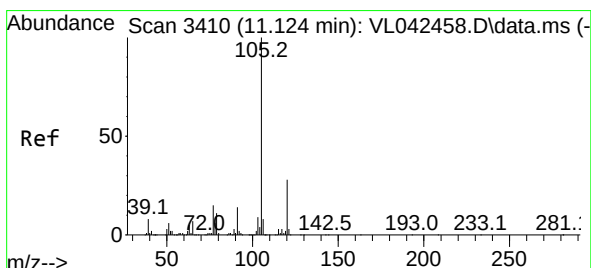
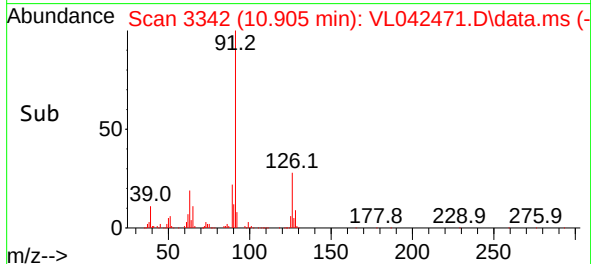
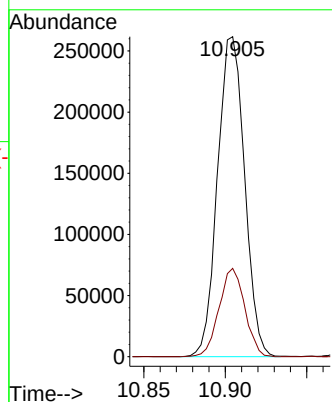
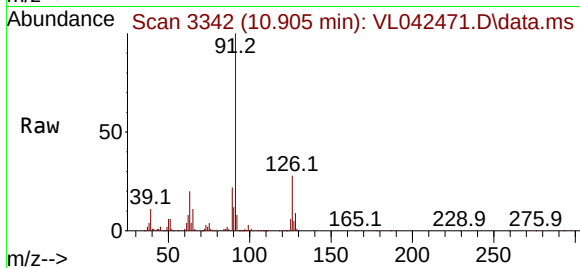
VL0505ABS01

Tgt Ion: 91 Resp: 301813

Ion Ratio Lower Upper

91 100

126 26.2 10.6 42.2



#72

4-Ethyltoluene

Concen: 11.161 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Tgt Ion: 105 Resp: 326835

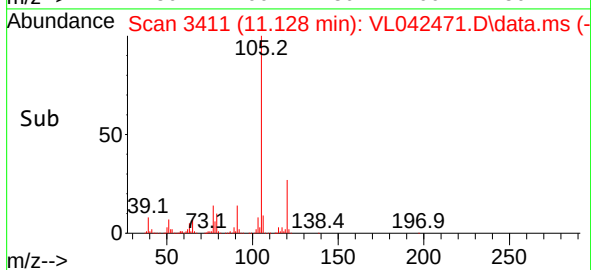
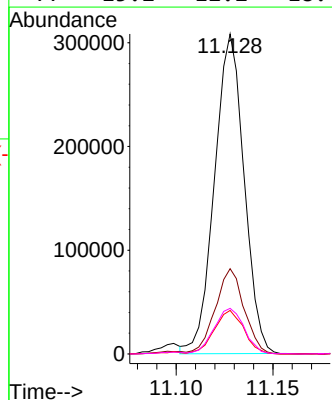
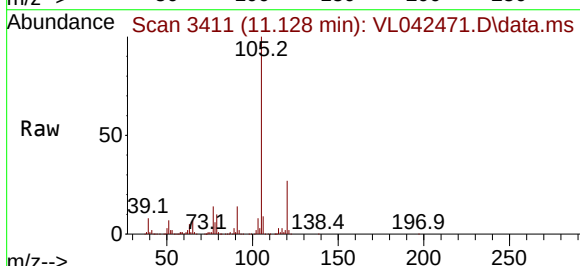
Ion Ratio Lower Upper

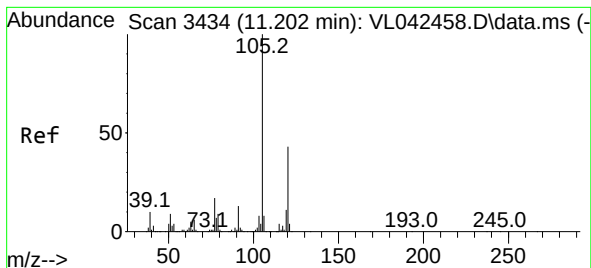
105 100

120 26.8 22.0 33.0

91 14.2 11.2 16.8

77 15.2 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 10.900 ppbv

RT: 11.206 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

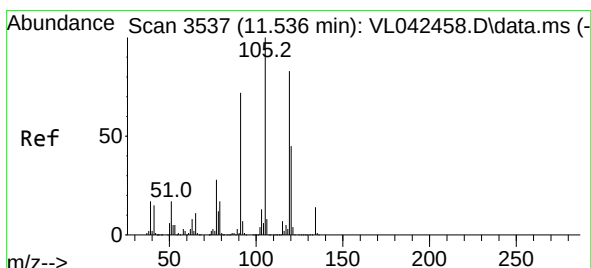
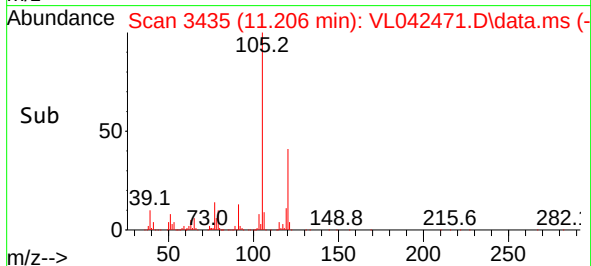
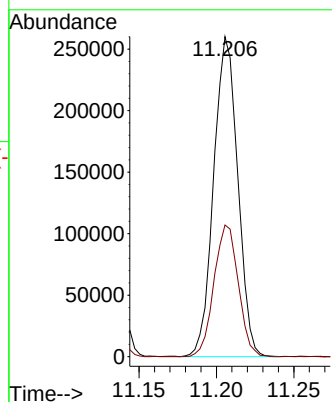
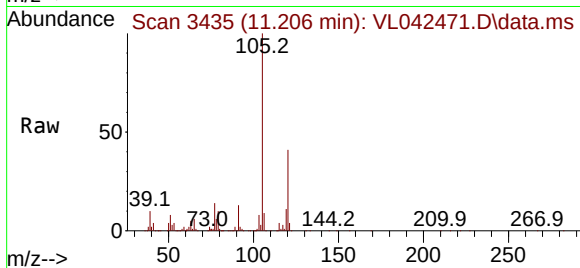
VL0505ABS01

Tgt Ion:105 Resp: 280716

Ion Ratio Lower Upper

105 100

120 41.2 34.4 51.6



#74

1,2,4-Trimethylbenzene

Concen: 10.143 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Tgt Ion:105 Resp: 316052

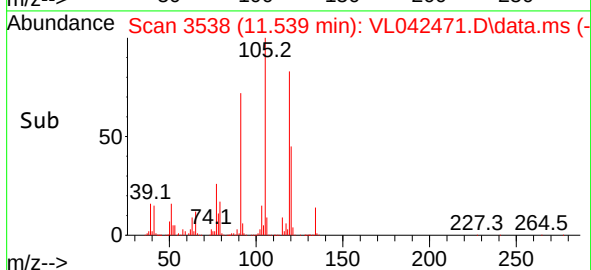
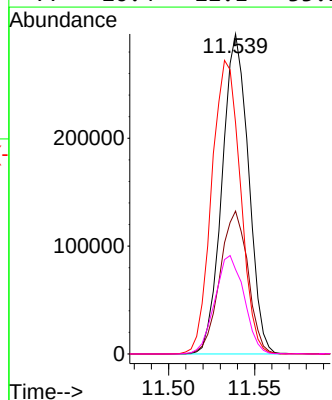
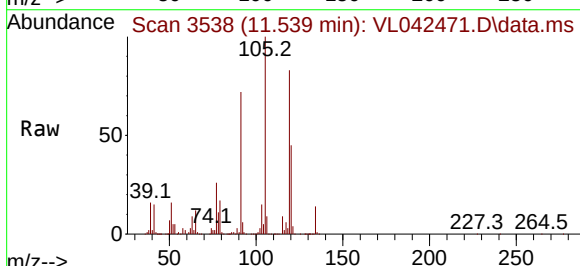
Ion Ratio Lower Upper

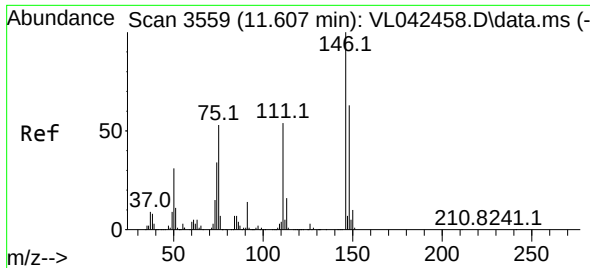
105 100

120 44.6 36.1 54.1

91 72.2 57.6 86.4

77 26.4 22.1 33.1

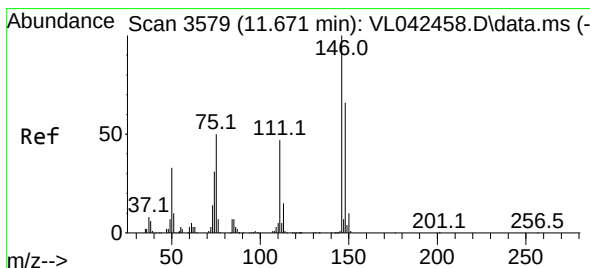
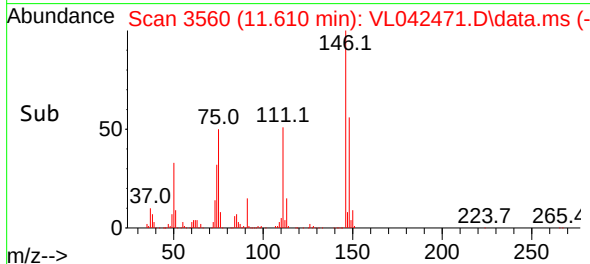
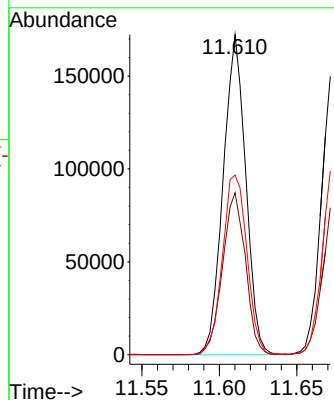
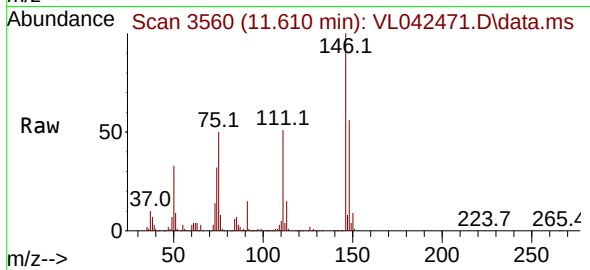




#75
1,3-Dichlorobenzene
Concen: 10.046 ppbv
RT: 11.610 min Scan# 3559
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

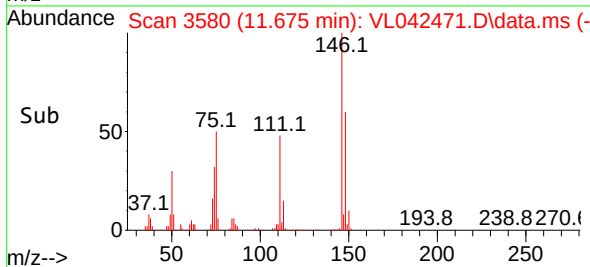
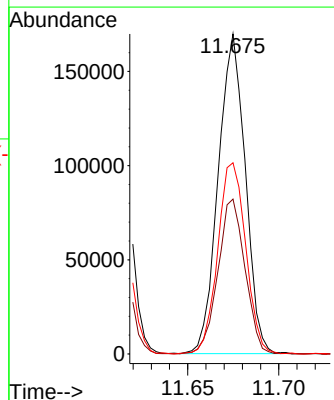
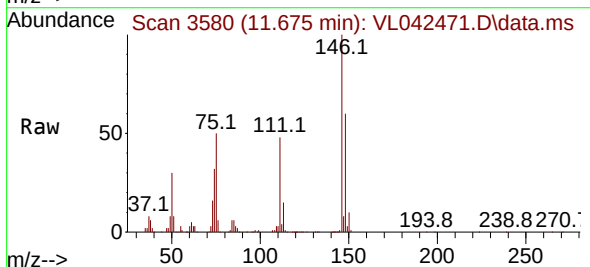
Instrument :
MSVOA_1
ClientSampleId :
VL0505ABS01

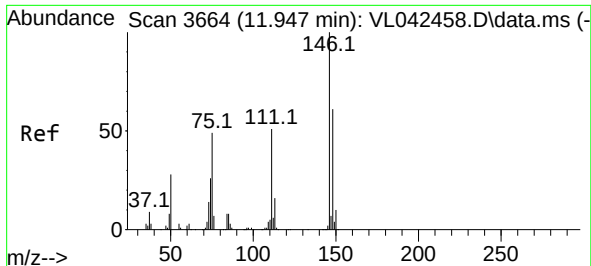
Tgt Ion:146 Resp: 174274
Ion Ratio Lower Upper
146 100
111 51.5 26.1 78.3
148 61.0 32.0 96.0



#76
1,4-Dichlorobenzene
Concen: 10.651 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion:146 Resp: 174860
Ion Ratio Lower Upper
146 100
111 48.7 24.4 73.2
148 62.1 32.0 96.2

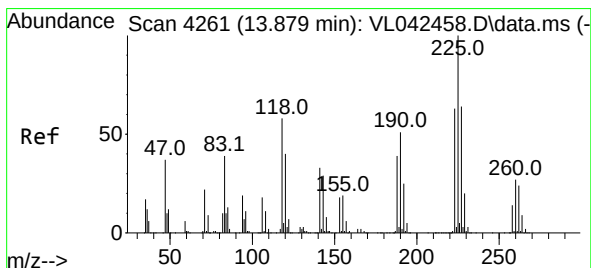
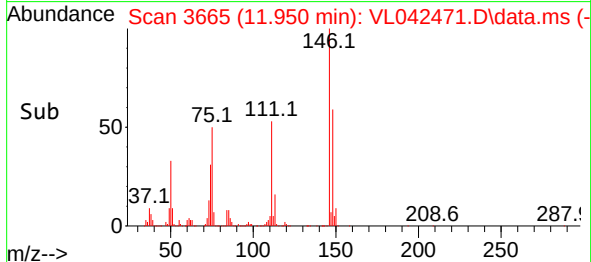
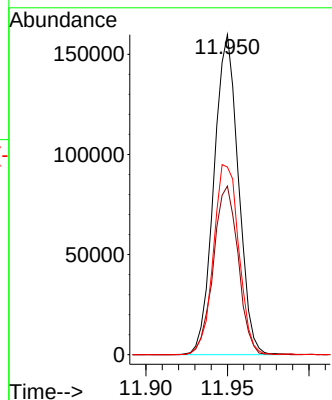
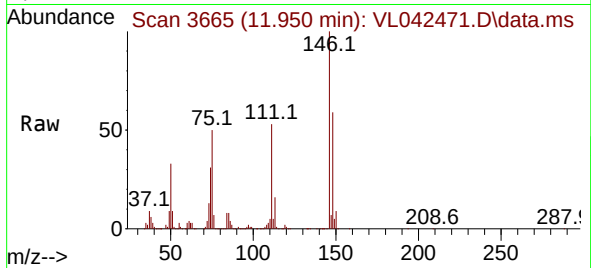




#77
1,2-Dichlorobenzene
Concen: 9.801 ppbv
RT: 11.950 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

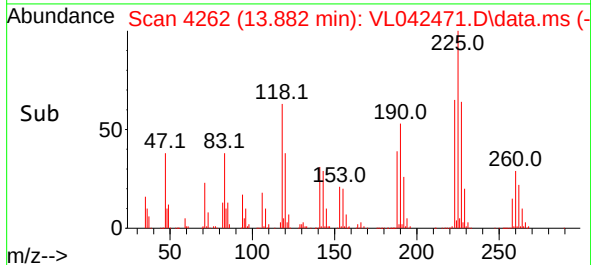
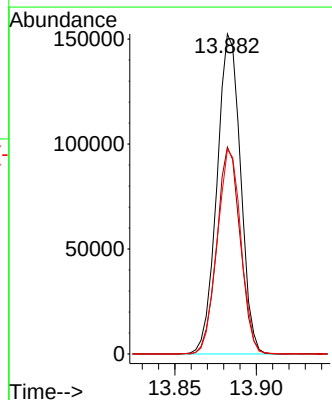
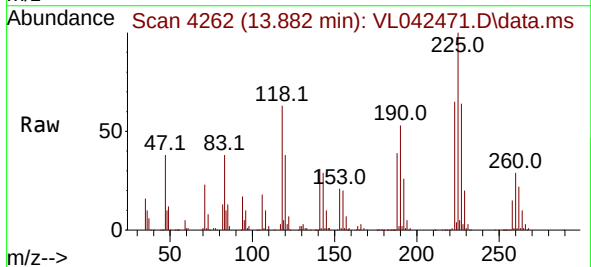
Instrument :
MSVOA_1
ClientSampleId :
VL0505ABS01

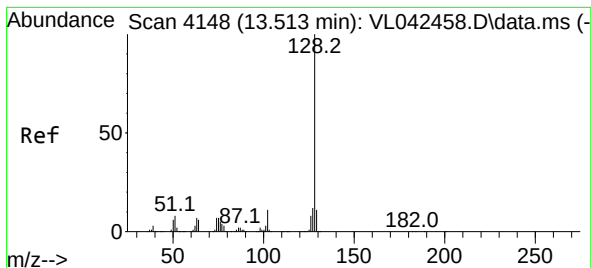
Tgt Ion:146 Resp: 166423
Ion Ratio Lower Upper
146 100
111 53.6 26.5 79.5
148 61.7 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 9.032 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.003 min
Lab File: VL042471.D
Acq: 05 May 2025 10:07

Tgt Ion:225 Resp: 153156
Ion Ratio Lower Upper
225 100
223 63.9 50.2 75.4
227 64.5 51.2 76.8





#79

Naphthalene

Concen: 10.911 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0505ABS01

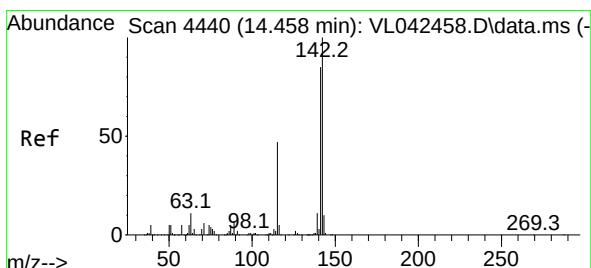
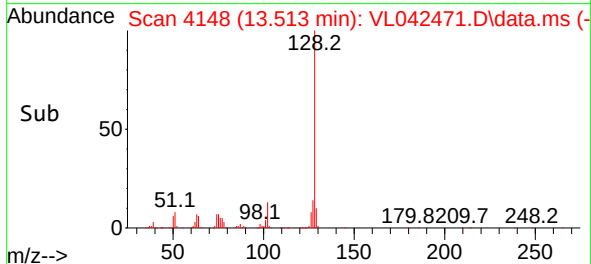
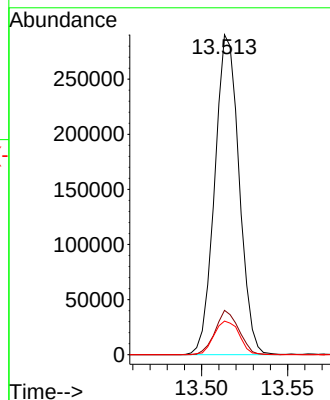
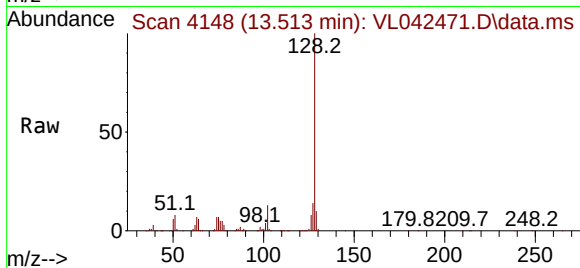
Tgt Ion:128 Resp: 286218

Ion Ratio Lower Upper

128 100

127 13.9 9.7 14.5

129 10.5 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 11.932 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.000 min

Lab File: VL042471.D

Acq: 05 May 2025 10:07

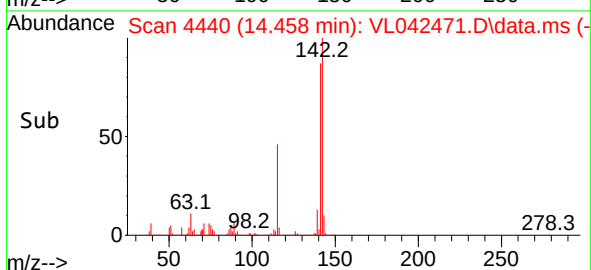
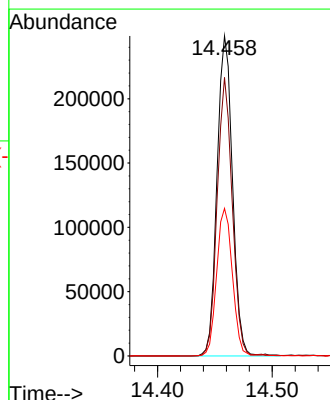
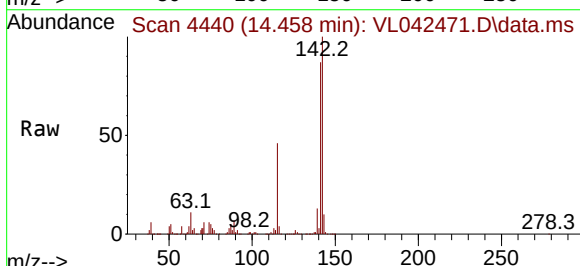
Tgt Ion:142 Resp: 232641

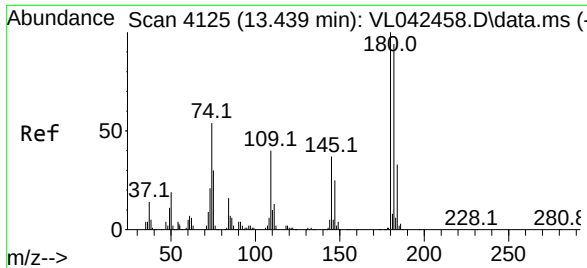
Ion Ratio Lower Upper

142 100

141 85.1 67.4 101.0

115 47.3 36.9 55.3





#81

1,2,4-Trichlorobenzene

Concen: 10.513 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042471.D

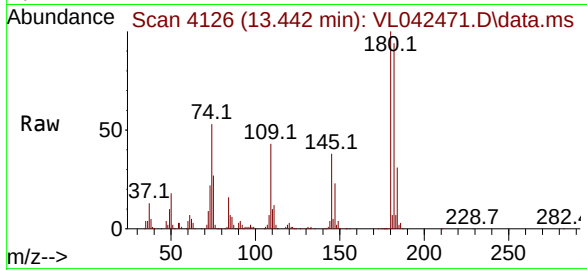
Acq: 05 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0505ABS01



Tgt Ion:180 Resp: 147081

Ion Ratio Lower Upper

180 100

182 94.3 74.6 111.8

184 31.0 24.9 37.3

