

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042725.D
 Acq On : 22 Jul 2025 10:04
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Jul 23 01:31:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jul 23 01:27:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	103555	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	310806	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	278751	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	222231	9.864	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	16902	1.046	ppbv	94
3) Chlorodifluoromethane	1.476	51	19069	1.042	ppbv	100
4) Chloromethane	1.534	50	6628	1.001	ppbv	90
5) Vinyl Chloride	1.580	62	5802	0.887	ppbv	95
6) Bromomethane	1.670	94	2716	1.026	ppbv	91
7) Chloroethane	1.706	64	2679	1.077	ppbv #	65
8) Dichlorotetrafluoroethane	1.554	85	14368	1.054	ppbv	93
9) Propene	1.887	41	1371	0.211	ppbv	85
10) Heptane	4.981	43	18122	1.000	ppbv	96
11) Trichlorofluoromethane	1.877	101	17489	1.051	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.143	101	13205	1.014	ppbv	93
13) Ethanol	1.722	45	1397	1.335	ppbv	95
14) Bromoethene	1.784	108	4818	1.038	ppbv #	96
15) Acetone	1.835	43	20087	1.158	ppbv	98
16) 1,3-Butadiene	1.609	39	8053	1.084	ppbv	91
17) tert-Butyl alcohol	2.042	59	16566	1.006	ppbv	97
18) 1,1-Dichloroethene	2.036	96	5692	1.028	ppbv	88
19) Isopropyl Alcohol	1.887	45	9777	1.064	ppbv #	47
20) Methylene Chloride	2.062	84	5808	1.066	ppbv	91
21) Allyl Chloride	2.098	41	10949	0.985	ppbv	97
22) trans-1,2-Dichloroethene	2.036	96	5692	0.893	ppbv	96
23) Vinyl Acetate	2.463	43	20075	1.016	ppbv #	94
24) 1,1-Dichloroethane	2.411	63	12694	0.999	ppbv #	92
25) Ethyl Acetate	2.835	43	32671	1.021	ppbv	96
26) Hexane	2.829	57	14402	1.026	ppbv	97
27) Carbon Disulfide	2.149	76	14863	0.991	ppbv #	32
28) Methyl tert-Butyl Ether	2.441	73	8723	1.069	ppbv	91
29) Chloroform	2.848	83	24340	1.050	ppbv	95
30) Cyclohexane	3.855	84	12078	0.986	ppbv	88
31) cis-1,2-Dichloroethene	2.340	61	11356	0.751	ppbv	95
32) 1,1,1-Trichloroethane	3.366	97	24377	0.999	ppbv	97
34) 2-Butanone	2.557	43	21976	1.027	ppbv	93
35) Carbon Tetrachloride	3.764	117	24918	0.978	ppbv	96
36) Benzene	3.654	78	30476	1.055	ppbv #	92
37) 1,2-Dichloroethane	3.217	62	19799	1.075	ppbv	99
38) Trichloroethene	4.544	130	8887	0.632	ppbv	90
39) 1,2-Dichloropropane	4.318	63	11159	1.038	ppbv	95
40) 1,4-Dioxane	4.593	88	3323	0.671	ppbv #	20
41) Tetrahydrofuran	3.062	42	10967	1.003	ppbv	94
42) Bromodichloromethane	4.493	83	15008	0.623	ppbv	90
43) Methyl Methacrylate	4.881	69	6362	0.574	ppbv #	8
44) 2,2,4-Trimethylpentane	4.645	57	23433	0.492	ppbv #	32
45) t-1,3-Dichloropropene	6.415	75	14507	1.065	ppbv	100

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

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Jul 23 01:31:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jul 23 01:27:20 2025
 Response via : Initial Calibration

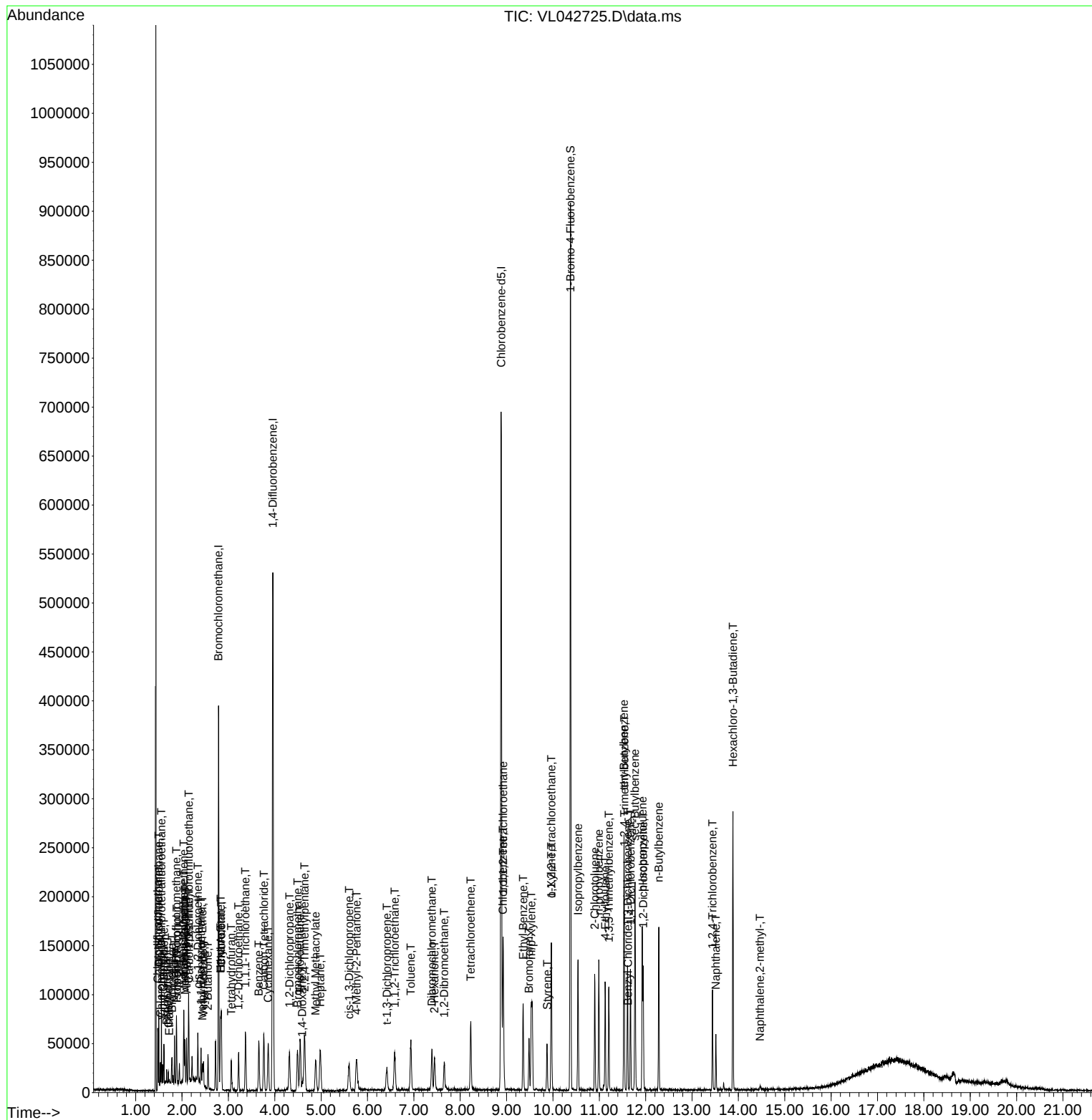
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	9527	0.589	ppbv	90
47) 1,1,2-Trichloroethane	6.587	97	7789	0.661	ppbv #	82
48) Dibromochloromethane	7.386	129	20308	1.037	ppbv	99
49) Bromoform	9.483	173	17210	1.013	ppbv	98
50) 4-Methyl-2-Pentanone	5.765	43	12866	0.457	ppbv #	23
51) 2-Hexanone	7.441	43	22958	1.019	ppbv #	99
52) Tetrachloroethene	8.224	164	12230	1.051	ppbv	92
53) Toluene	6.936	91	19959	0.613	ppbv #	41
54) 1,2-Dibromoethane	7.655	107	18051	1.025	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.924	131	15275	1.017	ppbv	94
57) Chlorobenzene	8.920	112	28147	1.059	ppbv #	92
58) Ethyl Benzene	9.357	91	47989	1.031	ppbv	99
59) m/p-Xylene	9.532	91	26488	0.710	ppbv #	30
60) o-Xylene	9.966	91	39281	1.044	ppbv	96
61) Styrene	9.878	104	7946	0.490	ppbv #	23
62) Isopropylbenzene	10.542	105	58251	1.042	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	21288	0.990	ppbv	99
64) n-propylbenzene	10.989	120	14662	1.040	ppbv	100
65) tert-Butylbenzene	11.532	119	52792	1.055	ppbv	99
66) Benzyl Chloride	11.620	91	4588	0.965	ppbv #	91
67) sec-Butylbenzene	11.769	105	71871	1.046	ppbv	97
69) p-Isopropyltoluene	11.930	119	60634	1.053	ppbv	99
70) n-Butylbenzene	12.283	91	56605	1.029	ppbv	99
71) 2-Chlorotoluene	10.901	91	43753	1.032	ppbv	100
72) 4-Ethyltoluene	11.128	105	45501	1.014	ppbv	96
73) 1,3,5-Trimethylbenzene	11.205	105	37503	1.011	ppbv	91
74) 1,2,4-Trimethylbenzene	11.539	105	41241	1.013	ppbv	89
75) 1,3-Dichlorobenzene	11.610	146	28504	1.047	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	27656	1.050	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	28594	1.096	ppbv	97
78) Hexachloro-1,3-Butadiene	13.882	225	29228	1.151	ppbv	98
79) Naphthalene	13.513	128	24671	0.813	ppbv #	96
80) Naphthalene,2-methyl-	14.468	142	1815	0.182	ppbv	95
81) 1,2,4-Trichlorobenzene	13.439	180	16773	0.903	ppbv	98

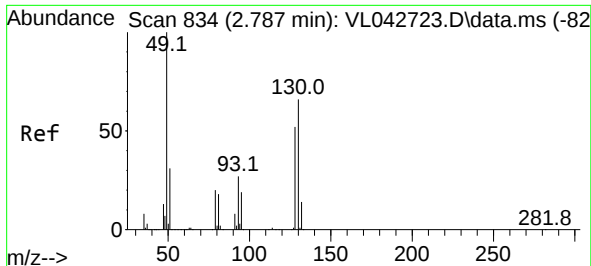
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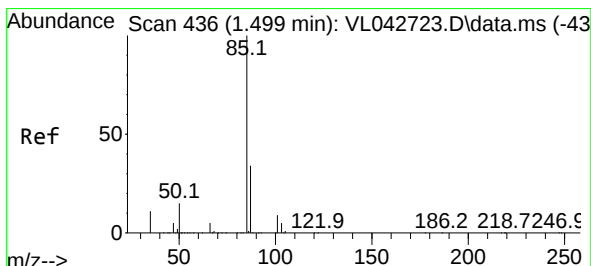
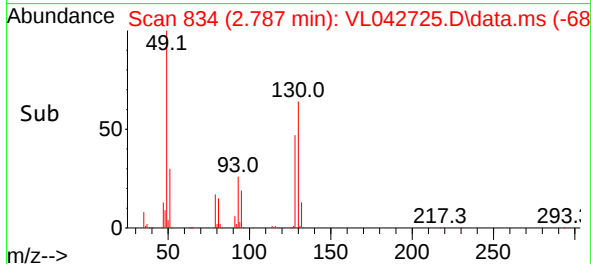
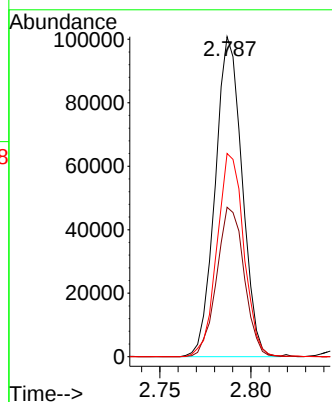
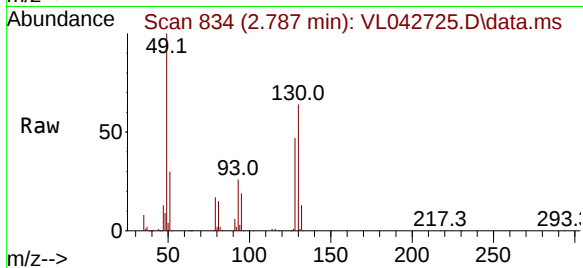




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

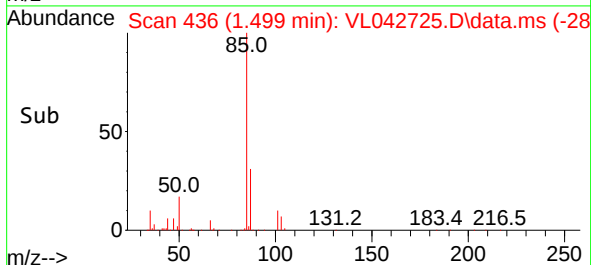
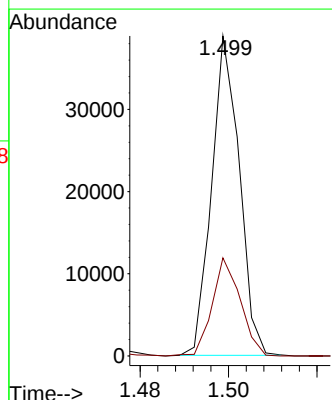
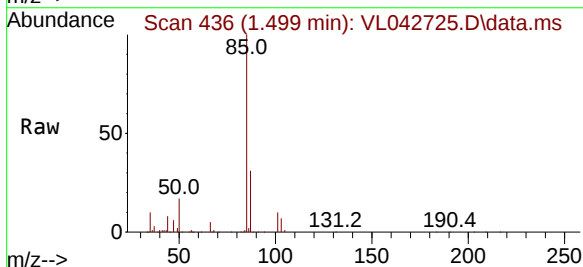
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

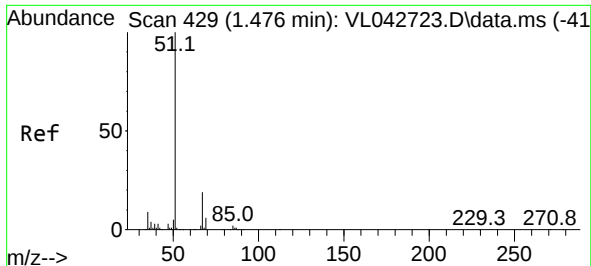
Tgt Ion: 49 Resp: 103555
Ion Ratio Lower Upper
49 100
128 47.7 24.5 73.5
130 63.4 31.7 95.1



#2
Dichlorodifluoromethane
Concen: 1.046 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 85 Resp: 16902
Ion Ratio Lower Upper
85 100
87 30.7 27.5 41.3

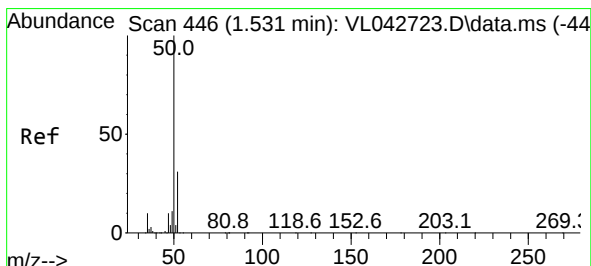
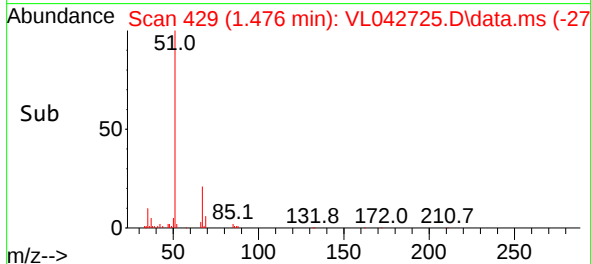
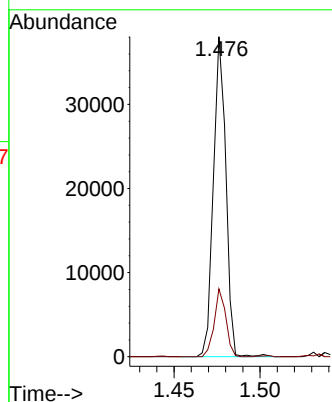
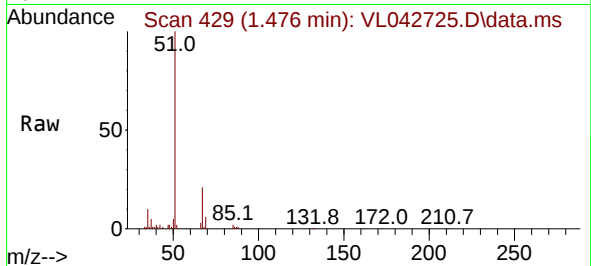




#3
Chlorodifluoromethane
Concen: 1.042 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

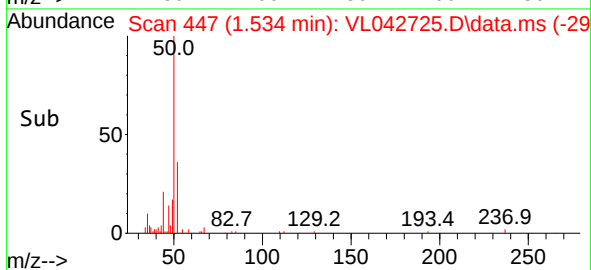
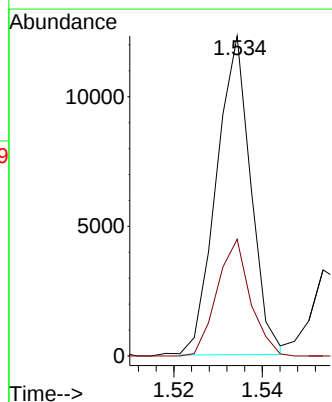
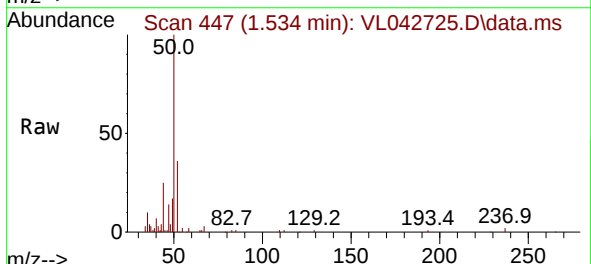
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

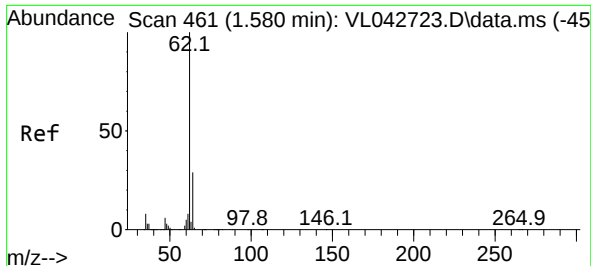
Tgt Ion: 51 Resp: 19069
Ion Ratio Lower Upper
51 100
67 20.1 16.0 24.0



#4
Chloromethane
Concen: 1.001 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 50 Resp: 6628
Ion Ratio Lower Upper
50 100
52 36.7 24.9 37.3

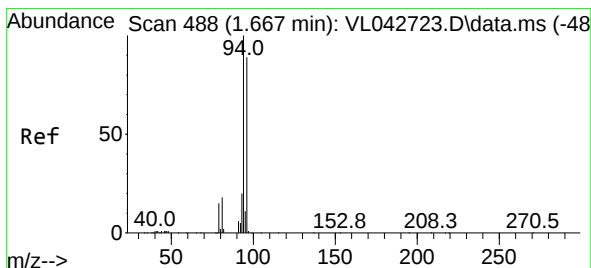
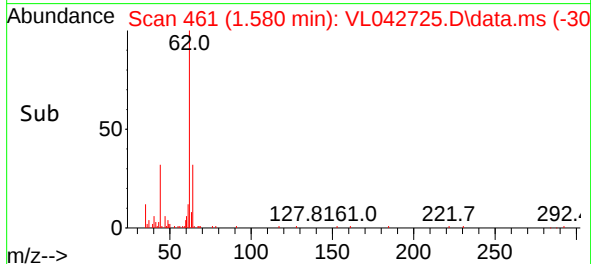
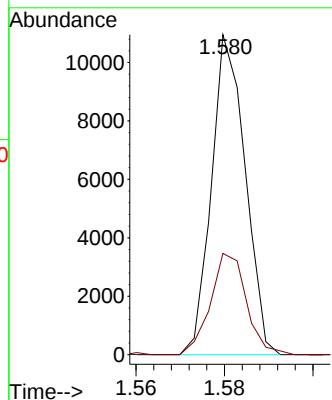
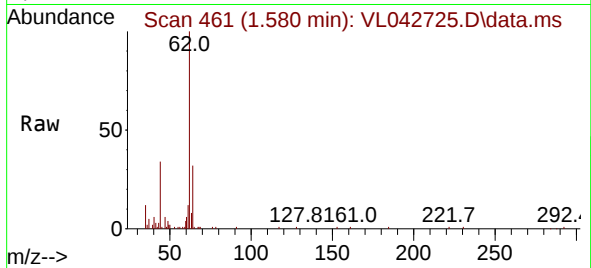




#5
 Vinyl Chloride
 Concen: 0.887 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

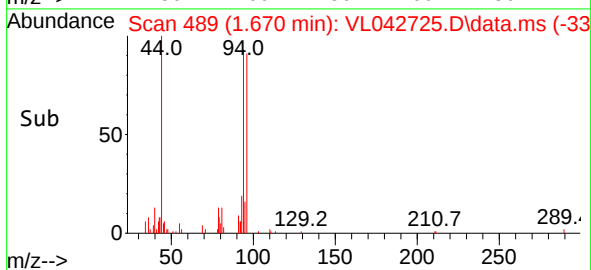
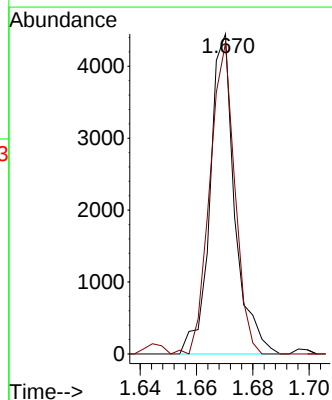
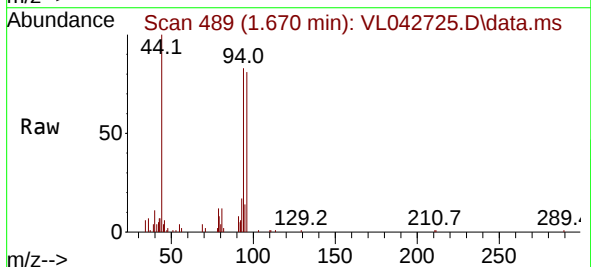
Instrument :
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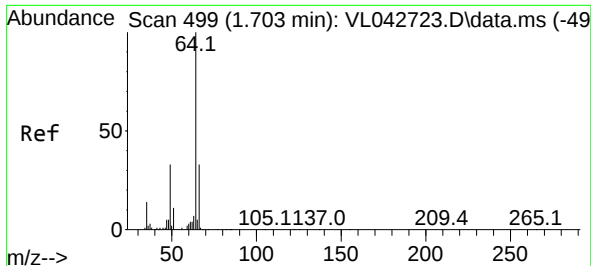
Tgt Ion: 62 Resp: 5802
 Ion Ratio Lower Upper
 62 100
 64 31.6 23.0 34.6



#6
 Bromomethane
 Concen: 1.026 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Tgt Ion: 94 Resp: 2716
 Ion Ratio Lower Upper
 94 100
 96 97.1 71.1 106.7

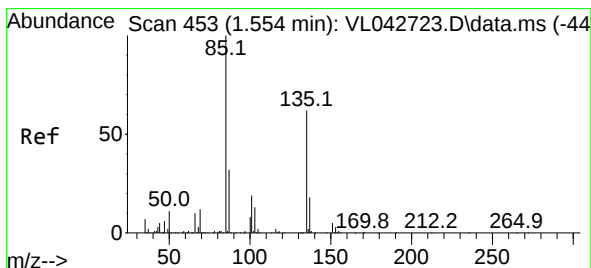
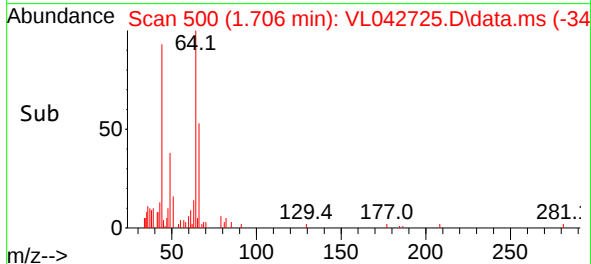
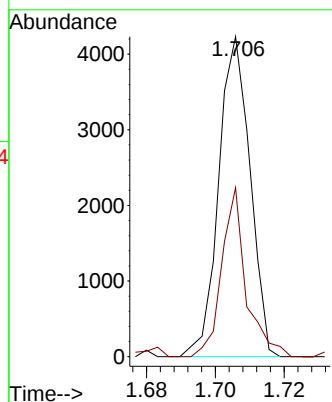
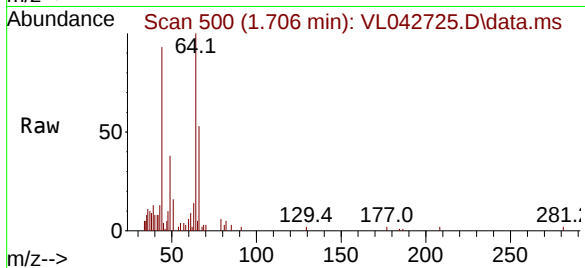




#7
Chloroethane
Concen: 1.077 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

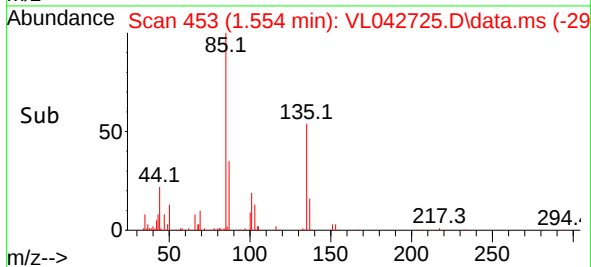
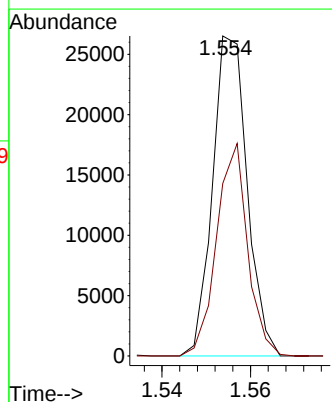
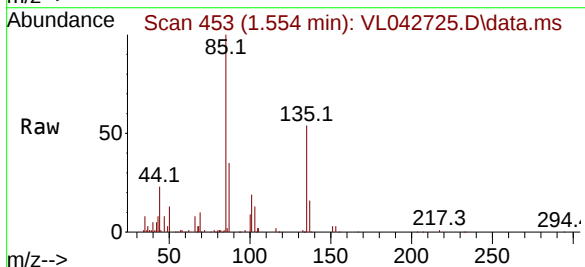
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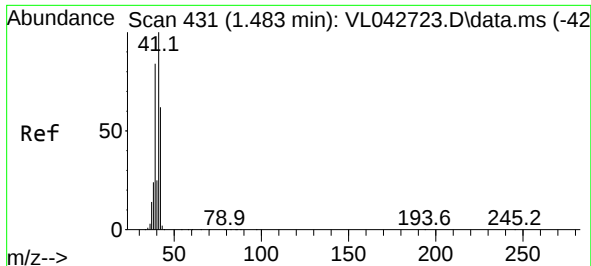
Tgt Ion: 64 Resp: 2679
Ion Ratio Lower Upper
64 100
66 52.8 26.4 39.6#



#8
Dichlorotetrafluoroethane
Concen: 1.054 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 85 Resp: 14368
Ion Ratio Lower Upper
85 100
135 59.5 52.0 78.0

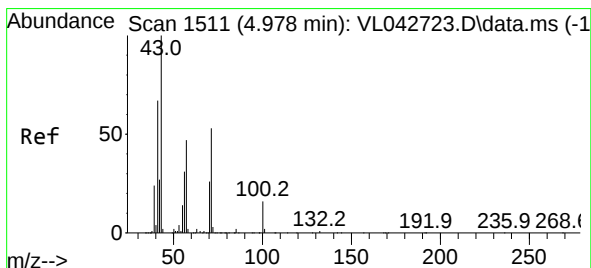
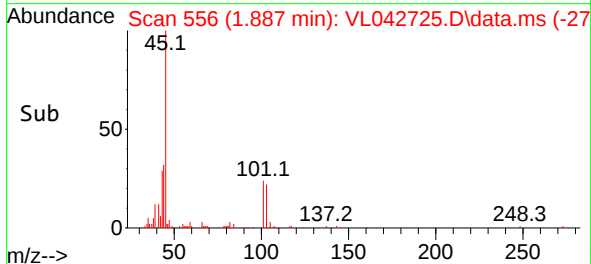
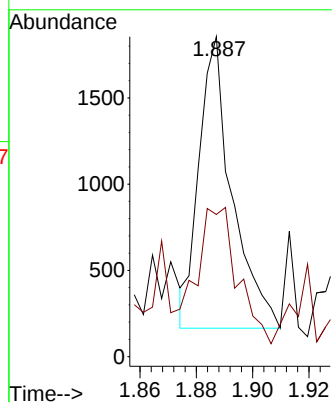
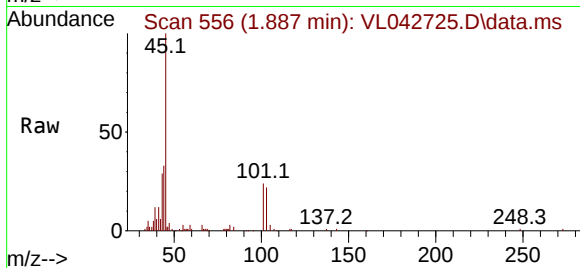




#9
Propene
Concen: 0.211 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.405 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

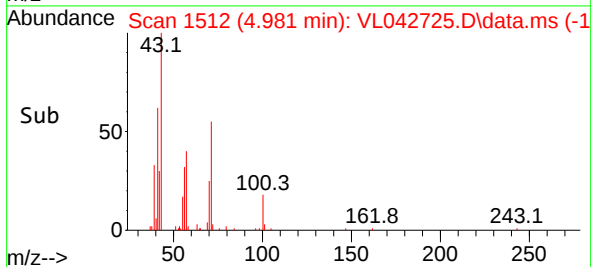
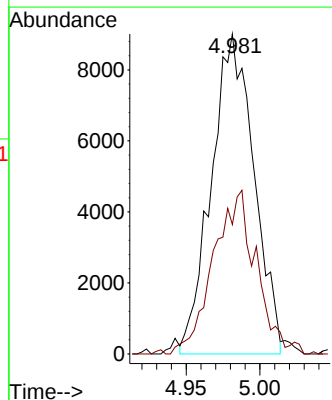
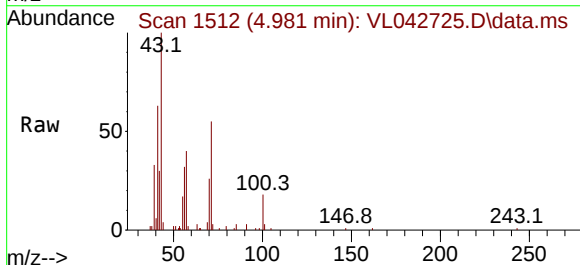
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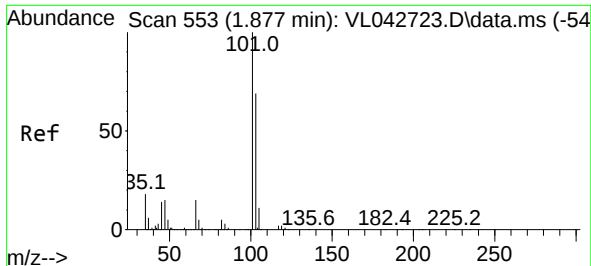
Tgt Ion: 41 Resp: 1371
Ion Ratio Lower Upper
41 100
42 76.7 52.0 78.0



#10
Heptane
Concen: 1.000 ppbv
RT: 4.981 min Scan# 1512
Delta R.T. 0.003 min
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Tgt Ion: 43 Resp: 18122
Ion Ratio Lower Upper
43 100
57 51.6 39.1 58.7

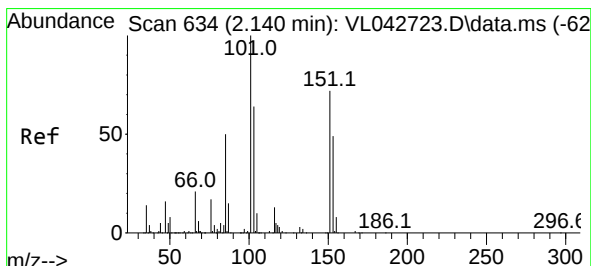
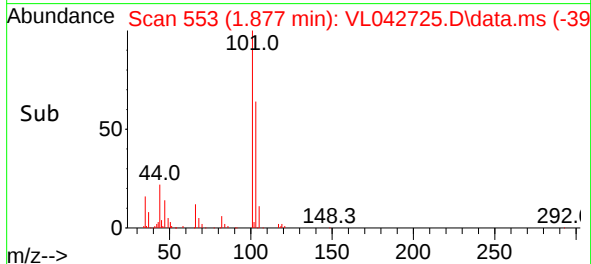
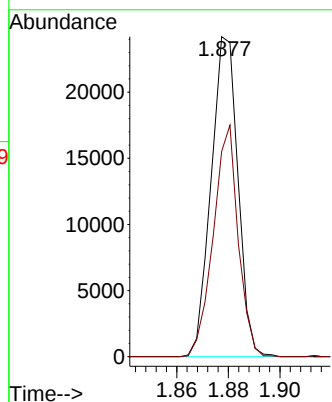
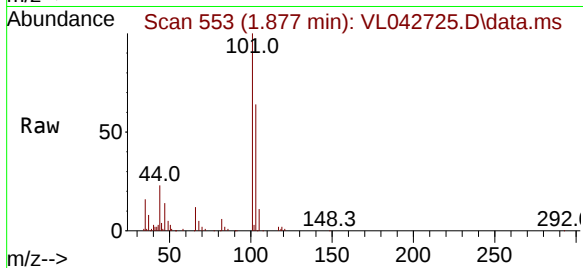




#11
 Trichlorofluoromethane
 Concen: 1.051 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

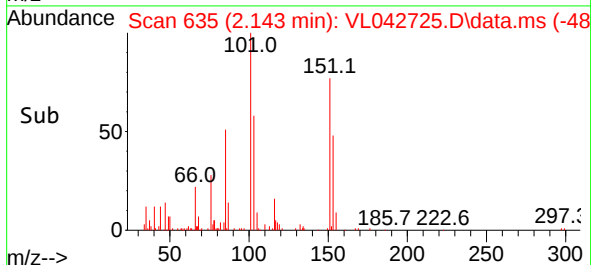
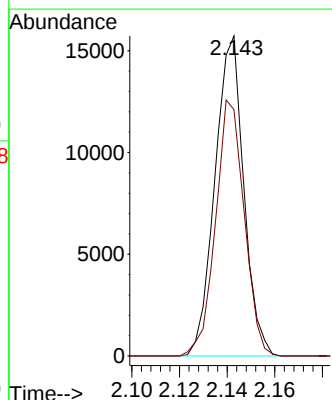
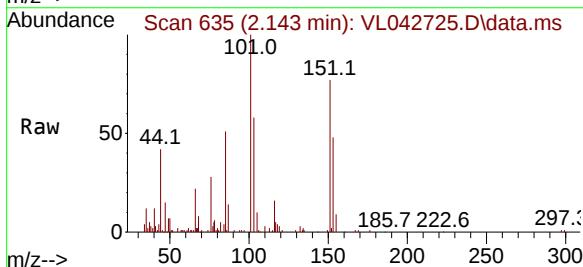
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

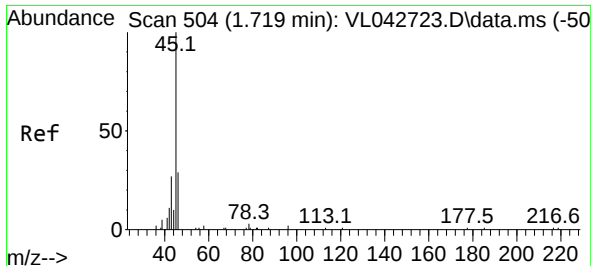
Tgt Ion:101 Resp: 17489
 Ion Ratio Lower Upper
 101 100
 103 64.2 55.2 82.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.014 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Tgt Ion:101 Resp: 13205
 Ion Ratio Lower Upper
 101 100
 151 79.6 59.1 88.7

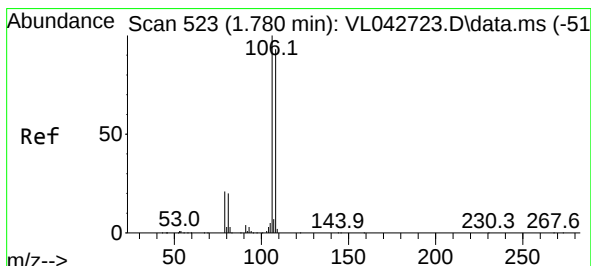
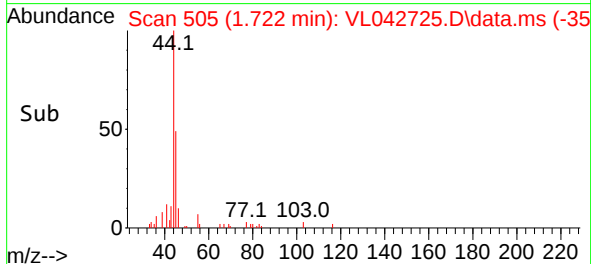
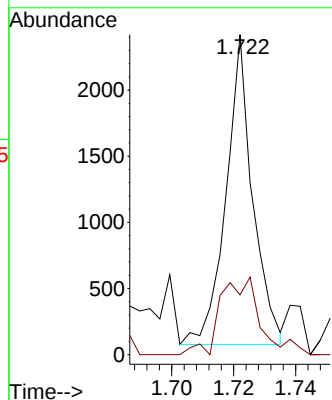
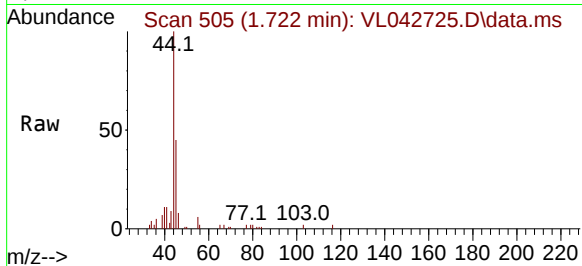




#13
 Ethanol
 Concen: 1.335 ppbv
 RT: 1.722 min Scan# 504
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

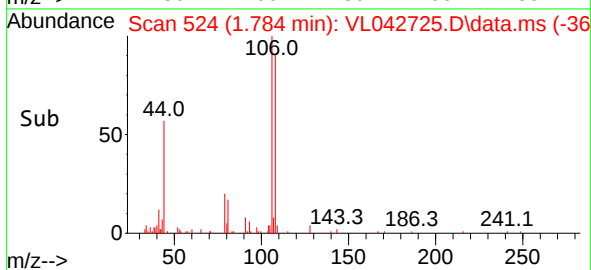
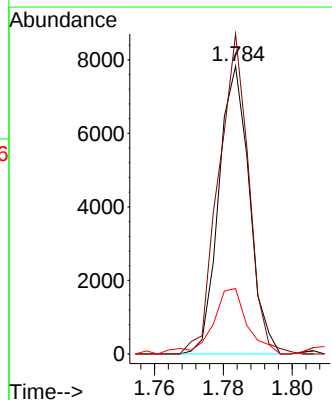
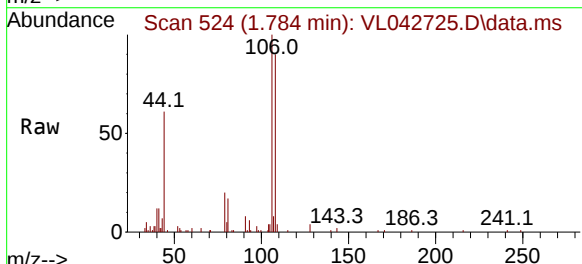
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

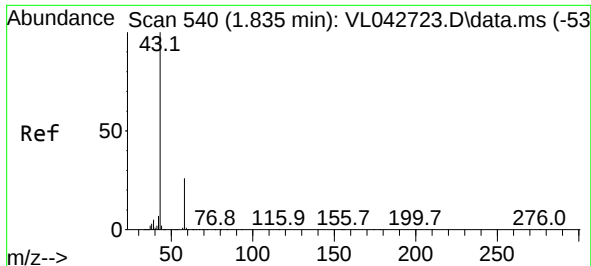
Tgt Ion: 45 Resp: 1397
 Ion Ratio Lower Upper
 45 100
 46 43.5 16.3 65.1



#14
 Bromoethene
 Concen: 1.038 ppbv
 RT: 1.784 min Scan# 524
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Tgt Ion: 108 Resp: 4818
 Ion Ratio Lower Upper
 108 100
 106 109.6 85.4 128.0
 79 27.8 17.4 26.2#

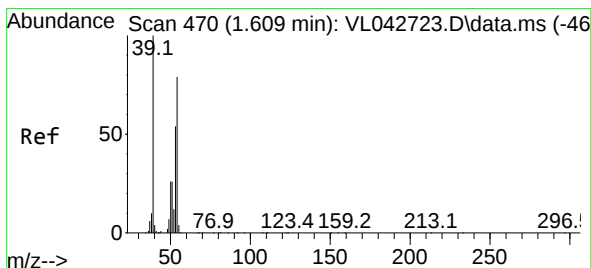
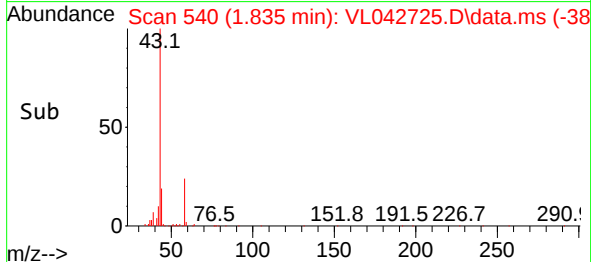
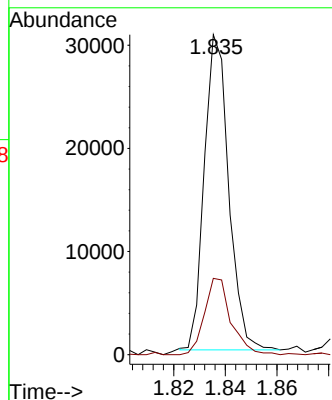
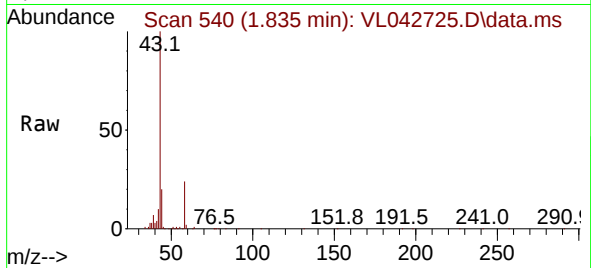




#15
Acetone
Concen: 1.158 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

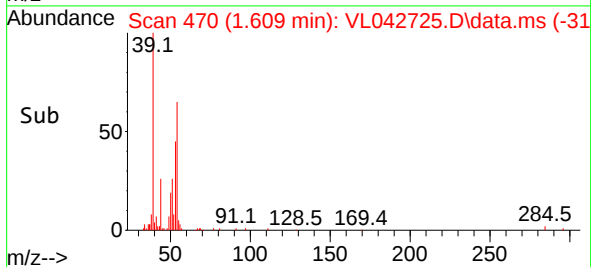
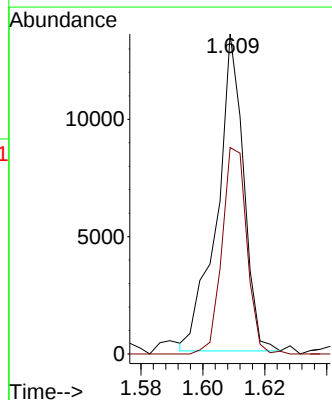
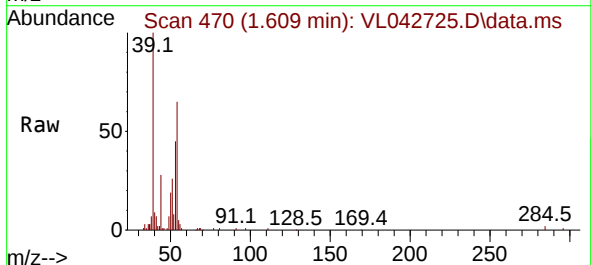
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

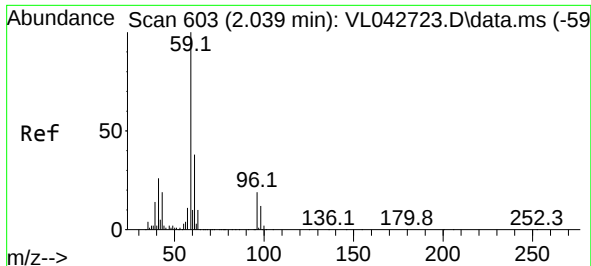
Tgt Ion: 43 Resp: 20087
Ion Ratio Lower Upper
43 100
58 26.5 20.5 30.7



#16
1,3-Butadiene
Concen: 1.084 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 39 Resp: 8053
Ion Ratio Lower Upper
39 100
54 61.0 54.6 82.0

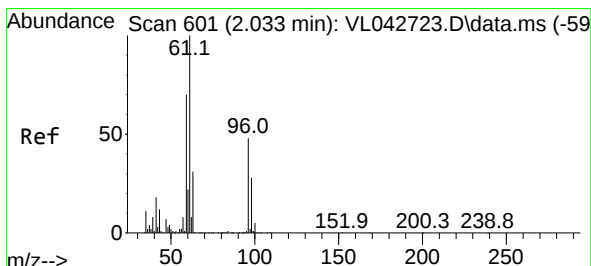
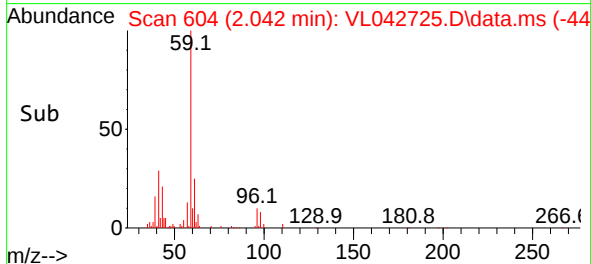
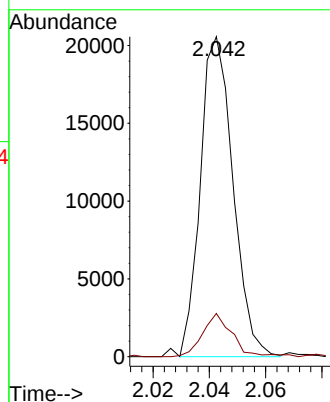
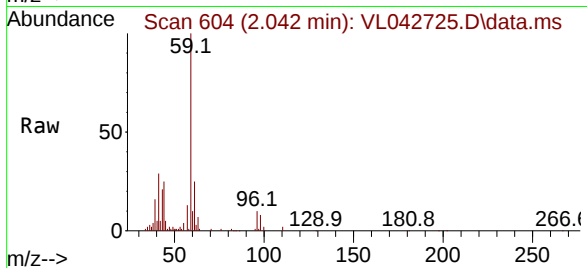




#17
tert-Butyl alcohol
Concen: 1.006 ppbv
RT: 2.042 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

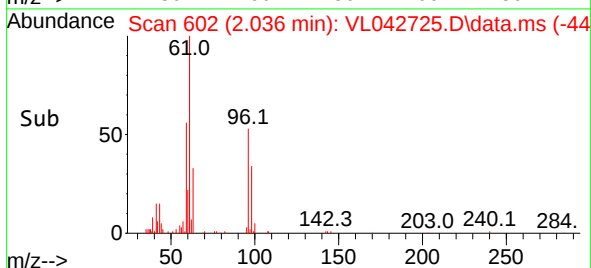
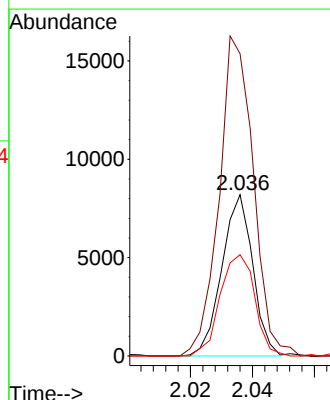
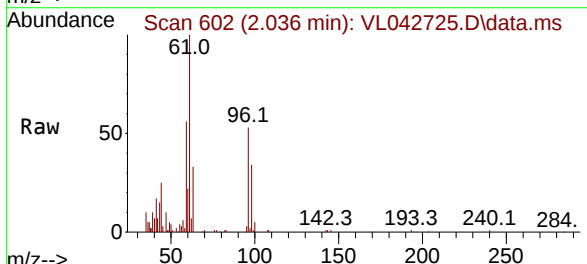
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

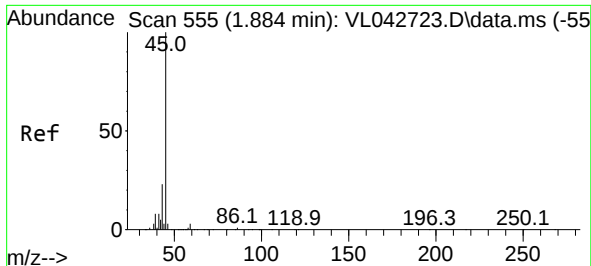
Tgt Ion: 59 Resp: 16566
Ion Ratio Lower Upper
59 100
57 12.7 9.1 13.7



#18
1,1-Dichloroethene
Concen: 1.028 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 96 Resp: 5692
Ion Ratio Lower Upper
96 100
61 187.3 166.2 249.4
98 62.8 46.1 69.1

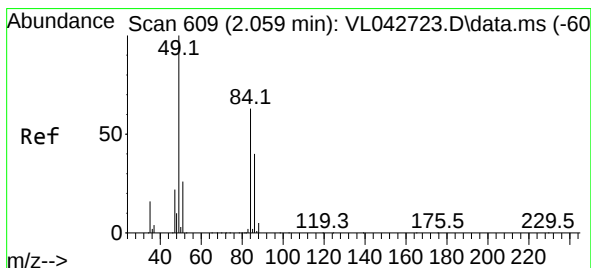
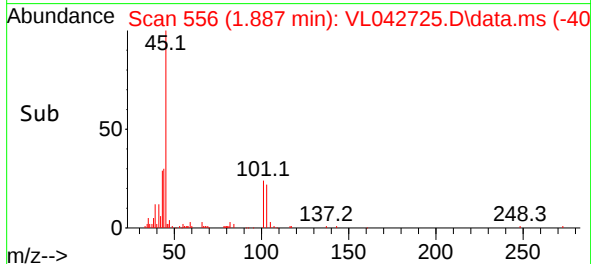
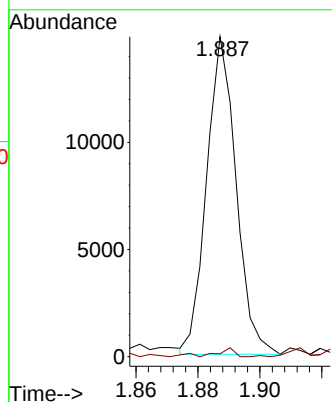
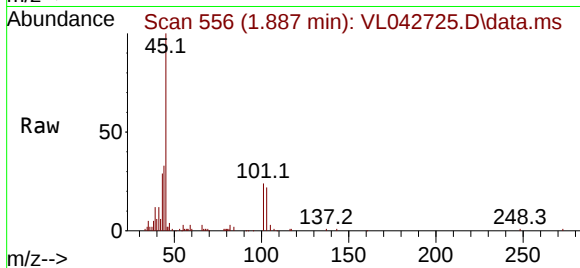




#19
Isopropyl Alcohol
Concen: 1.064 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

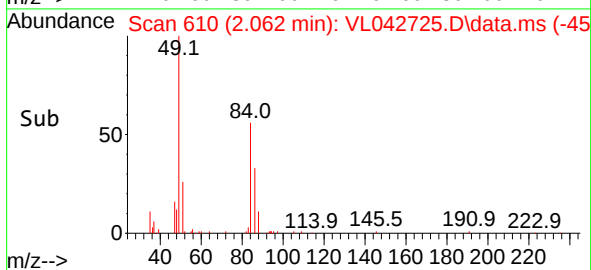
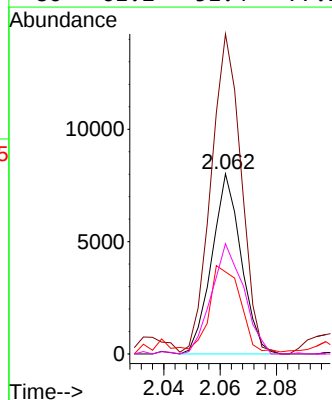
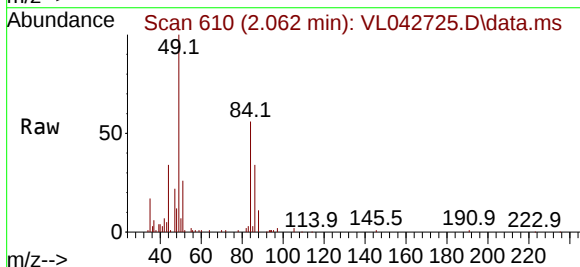
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

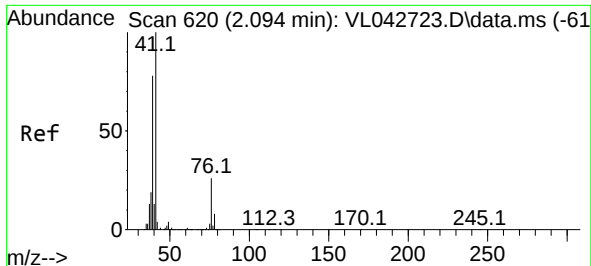
Tgt Ion: 45 Resp: 9777
Ion Ratio Lower Upper
45 100
58 6.3 30.6 46.0#



#20
Methylene Chloride
Concen: 1.066 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 84 Resp: 5808
Ion Ratio Lower Upper
84 100
49 177.6 128.2 192.4
51 44.4 34.5 51.7
86 61.2 51.4 77.2





#21

Allyl Chloride

Concen: 0.985 ppbv

RT: 2.098 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

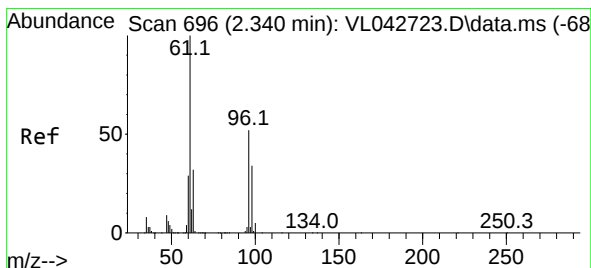
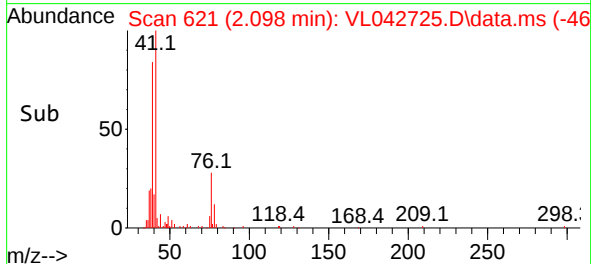
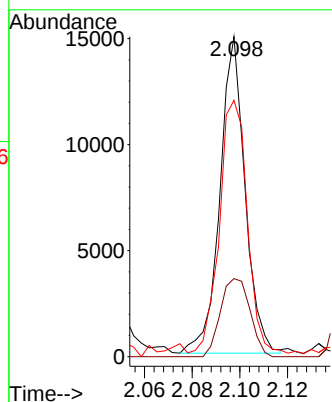
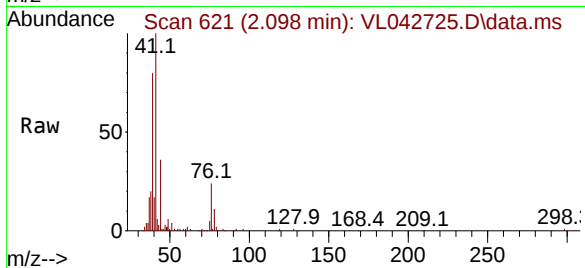
Tgt Ion: 41 Resp: 10949

Ion Ratio Lower Upper

41 100

76 28.9 22.1 33.1

39 83.8 64.7 97.1



#22

trans-1,2-Dichloroethene

Concen: 0.893 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.304 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

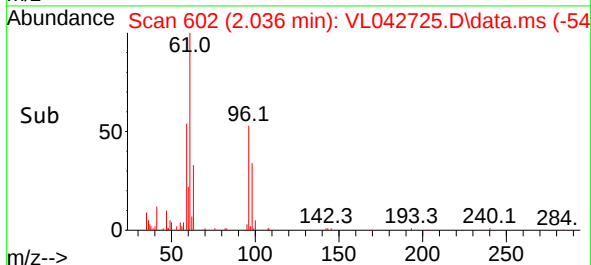
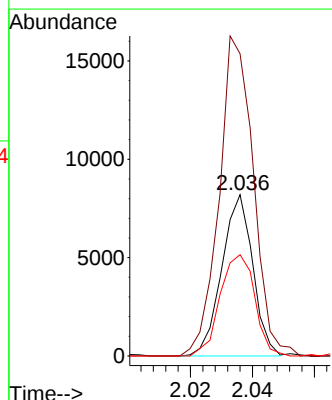
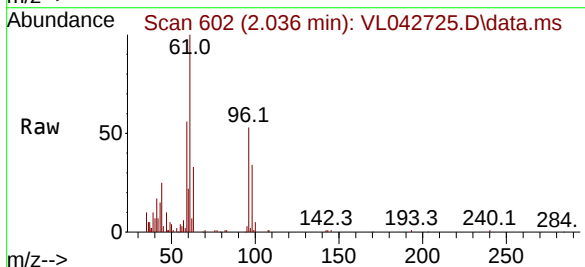
Tgt Ion: 96 Resp: 5692

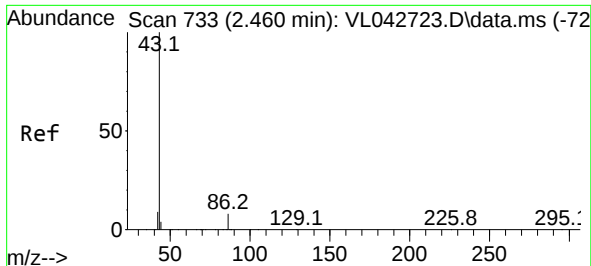
Ion Ratio Lower Upper

96 100

61 187.3 154.6 232.0

98 62.8 53.1 79.7

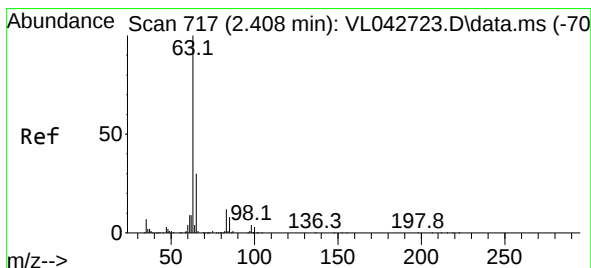
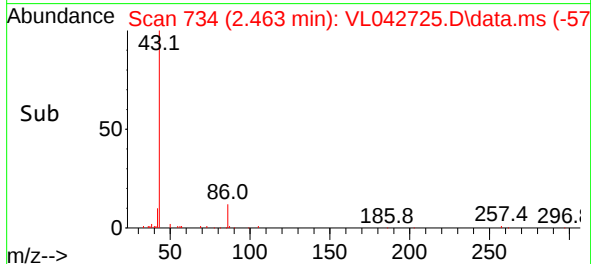
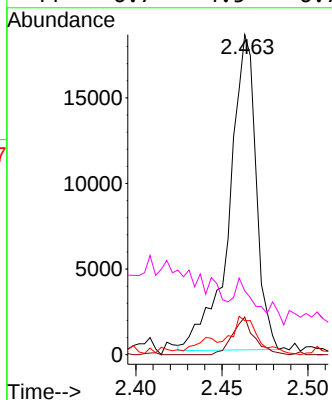
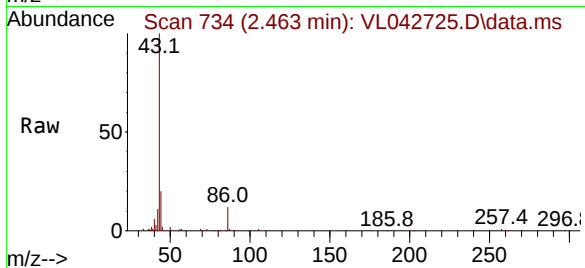




#23
 Vinyl Acetate
 Concen: 1.016 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

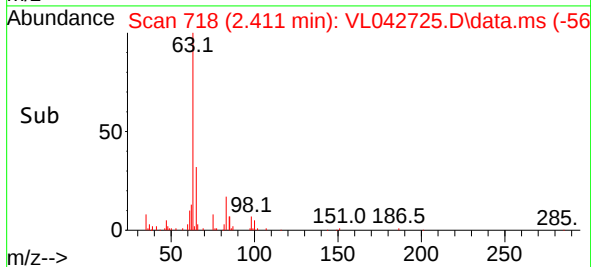
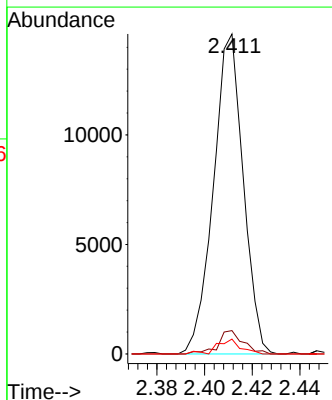
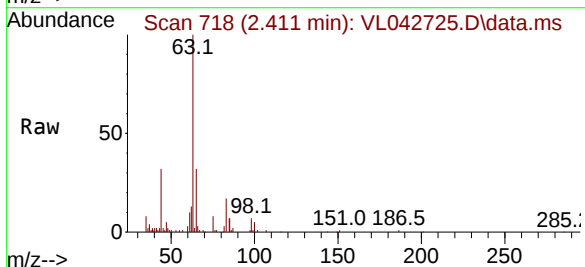
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

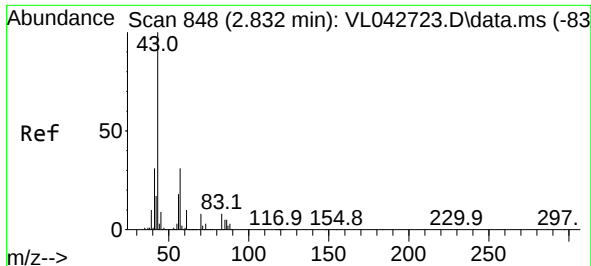
Tgt Ion:	43	Resp:	20075
Ion	Ratio	Lower	Upper
43	100		
86	11.9	5.7	8.5#
42	9.2	7.9	11.9
44	6.7	4.5	6.7



#24
 1,1-Dichloroethane
 Concen: 0.999 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Tgt Ion:	63	Resp:	12694
Ion	Ratio	Lower	Upper
63	100		
98	7.3	2.0	5.8#
100	4.6	1.6	4.7

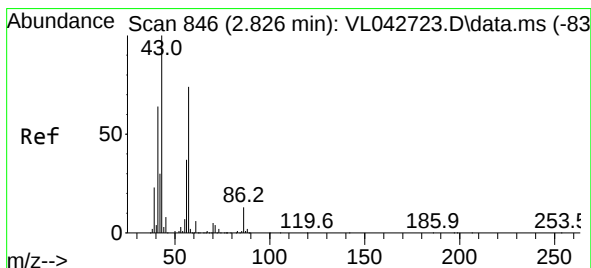
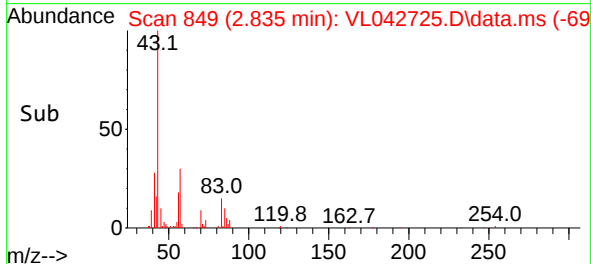
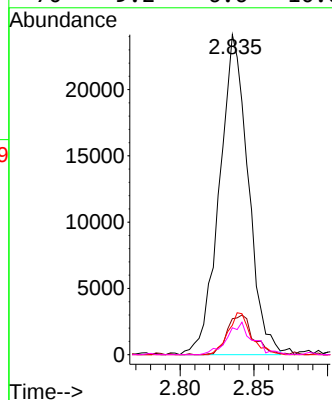
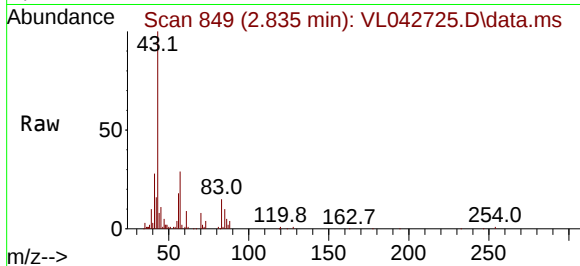




#25
Ethyl Acetate
Concen: 1.021 ppbv
RT: 2.835 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

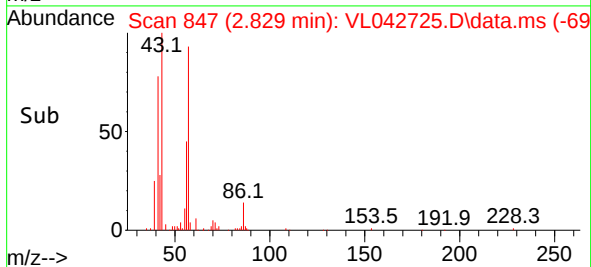
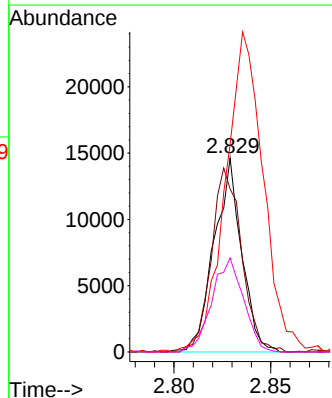
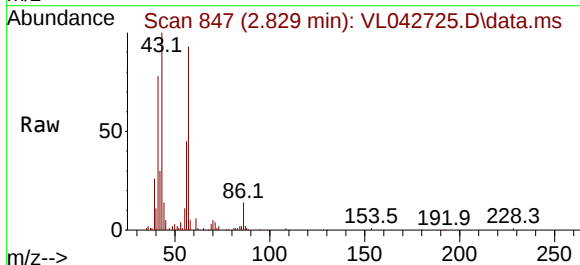
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

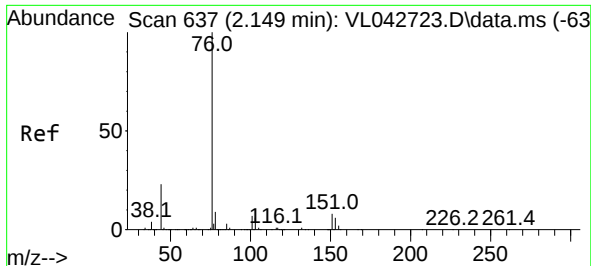
Tgt Ion: 43	Resp: 32671
Ion Ratio	Lower Upper
43 100	
45 11.6	7.8 11.6
61 10.5	7.0 10.6
70 9.2	6.6 10.0



#26
Hexane
Concen: 1.026 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 57	Resp: 14402		
Ion	Ratio	Lower	Upper
57	100		
41	104.5	77.3	115.9
43	228.3	182.3	273.5
56	55.9	42.5	63.7

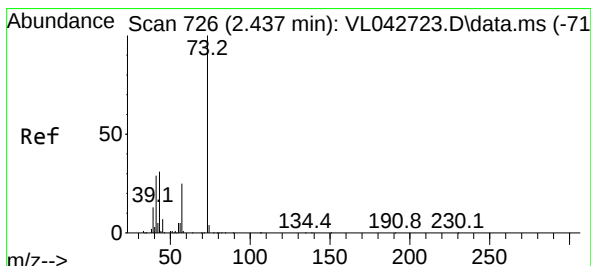
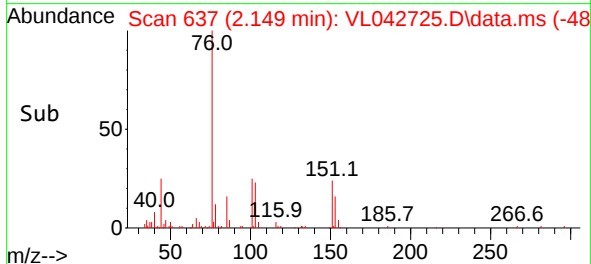
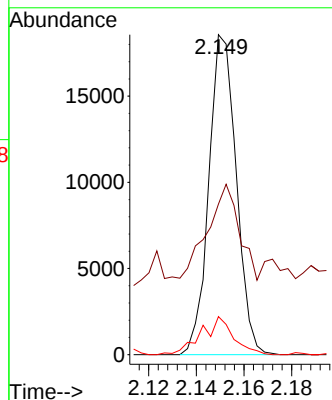
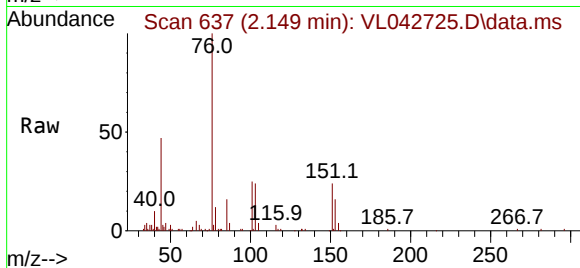




#27
Carbon Disulfide
Concen: 0.991 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

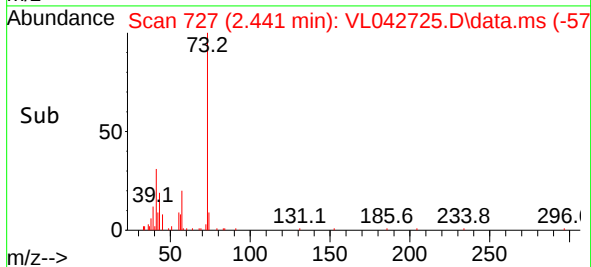
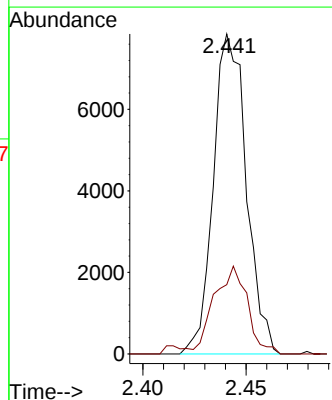
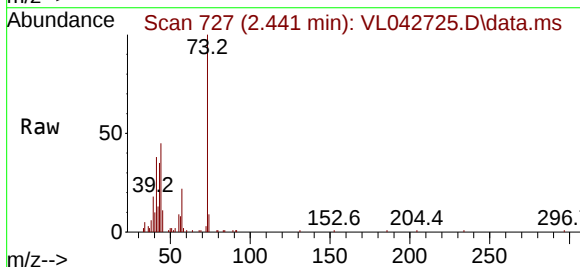
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

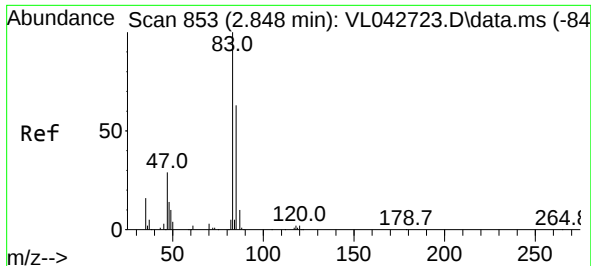
Tgt Ion: 76 Resp: 14863
Ion Ratio Lower Upper
76 100
44 72.0 18.8 28.2#
78 13.9 9.5 14.3



#28
Methyl tert-Butyl Ether
Concen: 1.069 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 73 Resp: 8723
Ion Ratio Lower Upper
73 100
57 29.2 19.8 29.8





#29

Chloroform

Concen: 1.050 ppbv

RT: 2.848 min Scan# 853

Delta R.T. -0.000 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

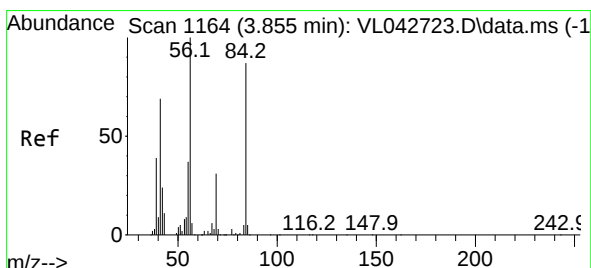
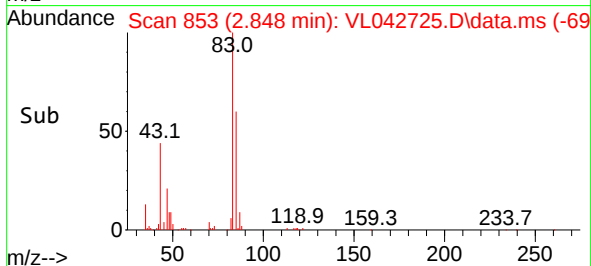
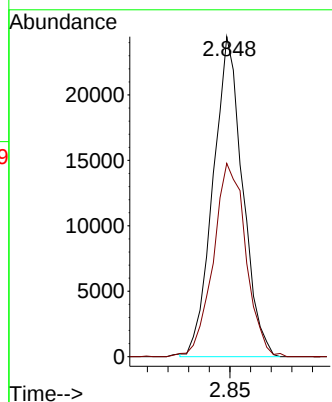
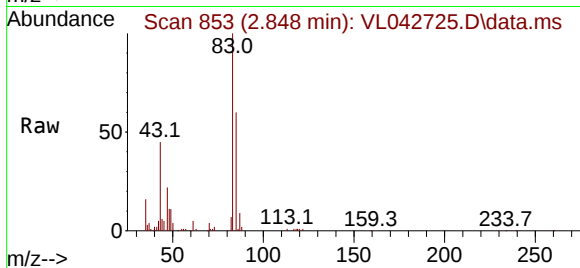
VSTDIC001

Tgt Ion: 83 Resp: 24340

Ion Ratio Lower Upper

83 100

85 59.4 50.9 76.3



#30

Cyclohexane

Concen: 0.986 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

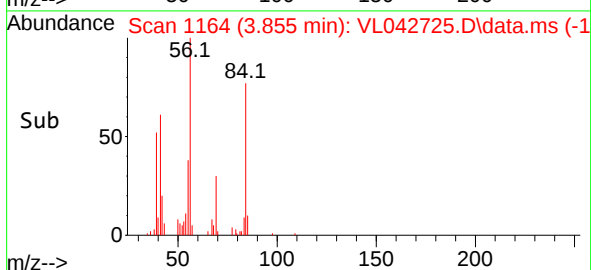
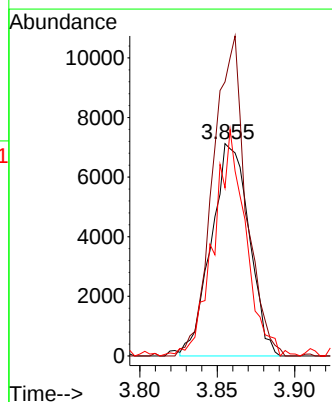
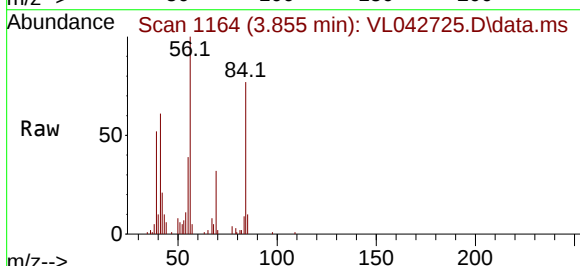
Tgt Ion: 84 Resp: 12078

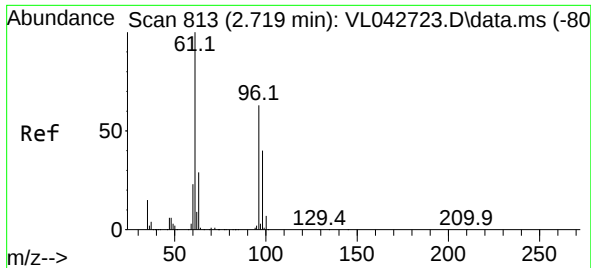
Ion Ratio Lower Upper

84 100

56 132.7 94.2 141.4

41 92.9 66.4 99.6

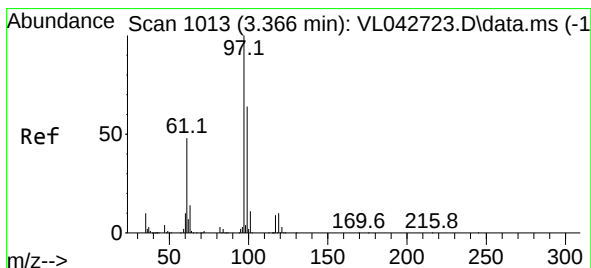
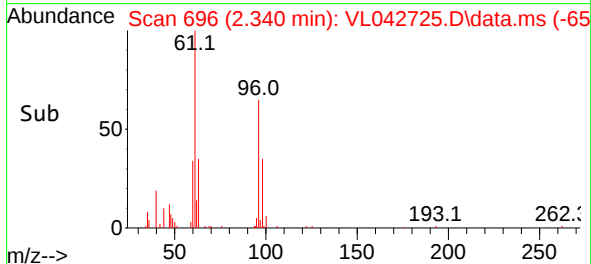
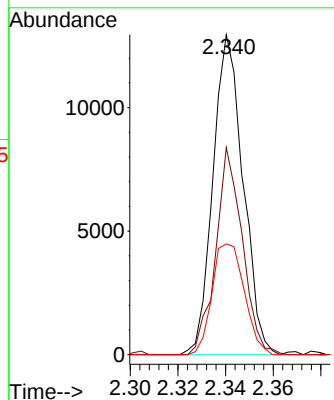
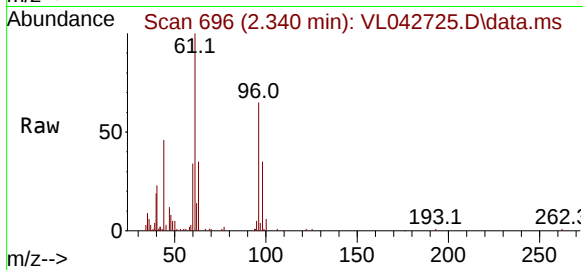




#31
 cis-1,2-Dichloroethene
 Concen: 0.751 ppbv
 RT: 2.340 min Scan# 61
 Delta R.T. -0.379 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

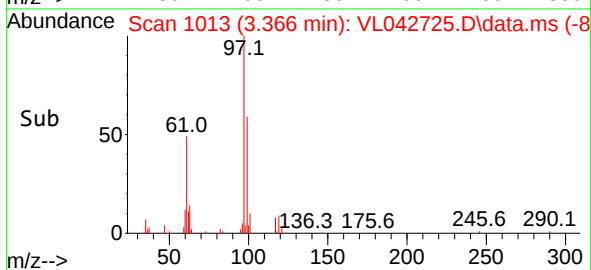
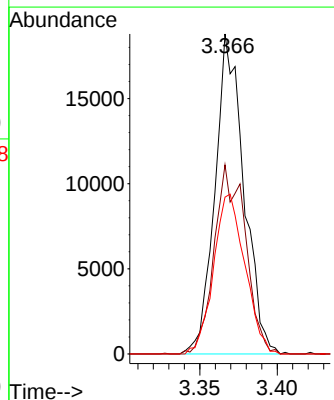
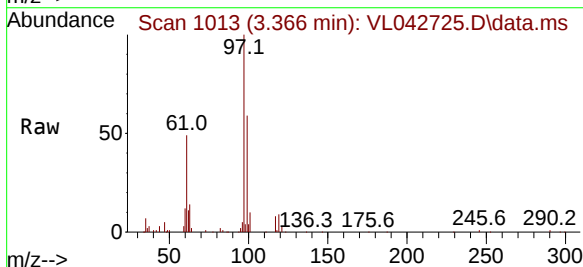
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

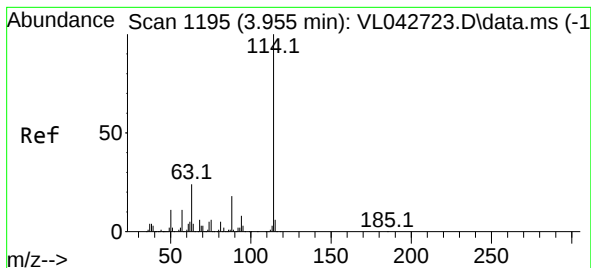
Tgt Ion:	61	Resp:	11356
Ion	Ratio	Lower	Upper
61	100		
96	64.8	50.6	75.8
98	34.6	32.2	48.2



#32
 1,1,1-Trichloroethane
 Concen: 0.999 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.000 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Tgt Ion:	97	Resp:	24377
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	54.2	39.6	59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

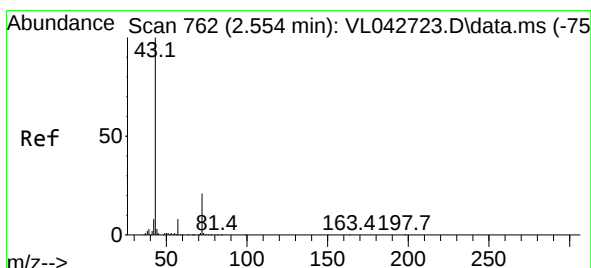
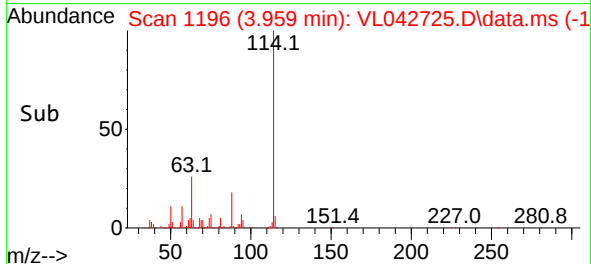
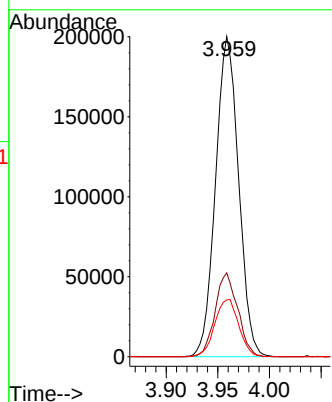
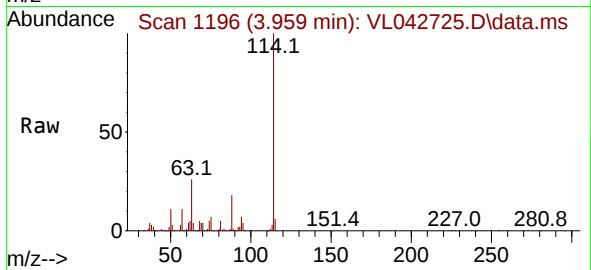
Tgt Ion:114 Resp: 310806

Ion Ratio Lower Upper

114 100

63 25.6 20.4 30.6

88 18.6 14.5 21.7



#34

2-Butanone

Concen: 1.027 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL042725.D

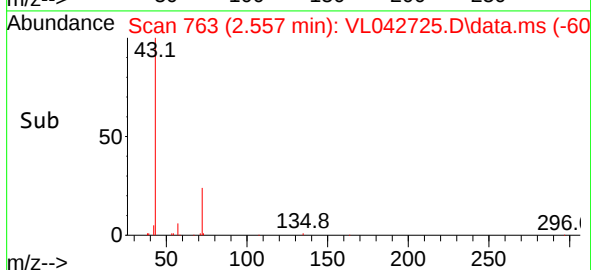
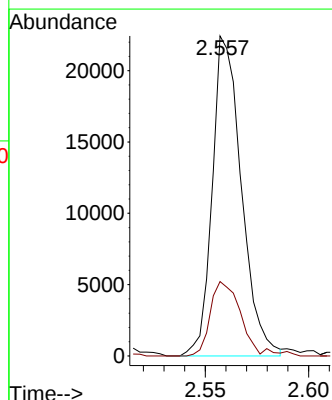
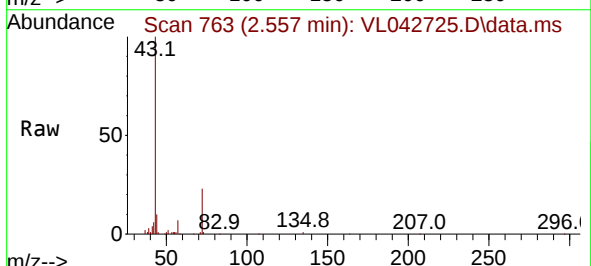
Acq: 22 Jul 2025 10:04

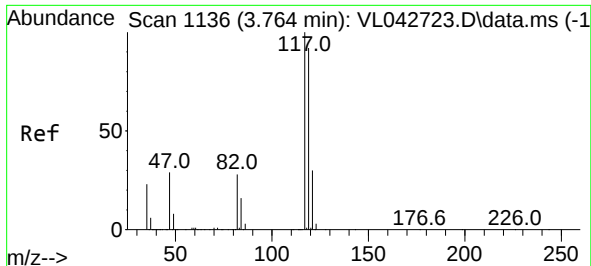
Tgt Ion: 43 Resp: 21976

Ion Ratio Lower Upper

43 100

72 24.7 17.0 25.6

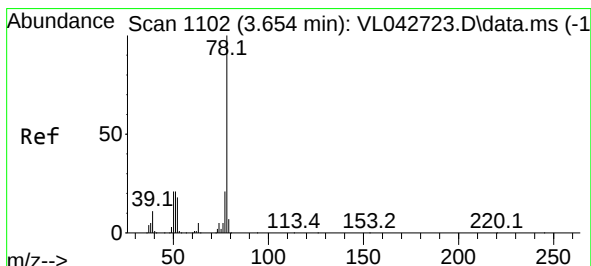
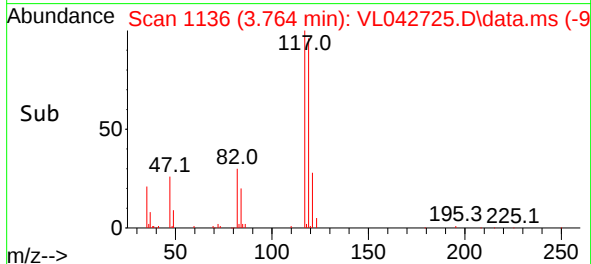
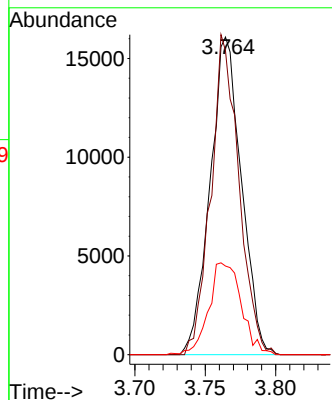
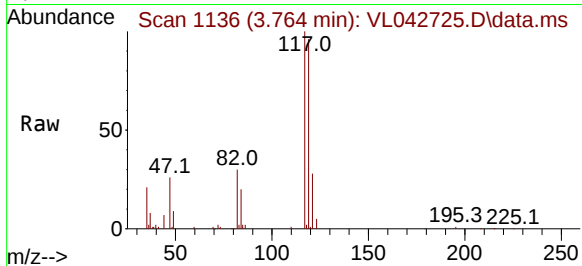




#35
Carbon Tetrachloride
Concen: 0.978 ppbv
RT: 3.764 min Scan# 1136
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

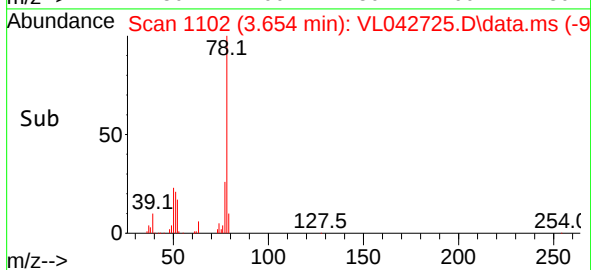
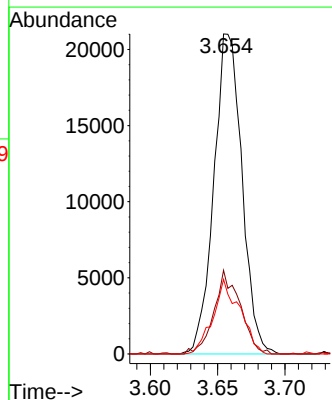
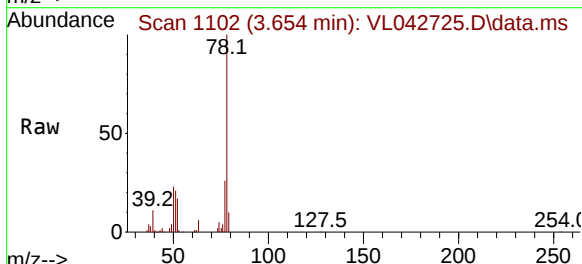
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

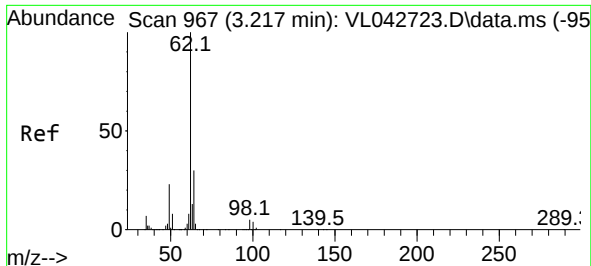
Tgt Ion:117 Resp: 24918
Ion Ratio Lower Upper
117 100
119 95.7 73.7 110.5
121 27.9 23.8 35.8



#36
Benzene
Concen: 1.055 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 78 Resp: 30476
Ion Ratio Lower Upper
78 100
77 26.2 17.0 25.4#
50 23.3 16.9 25.3

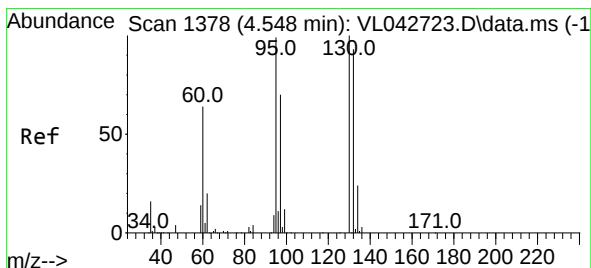
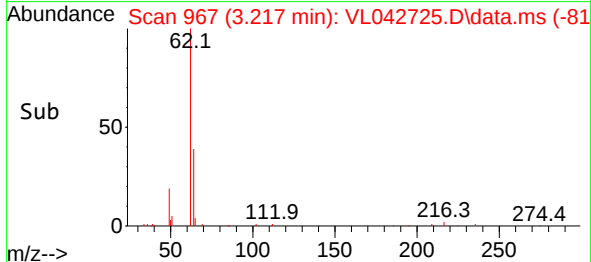
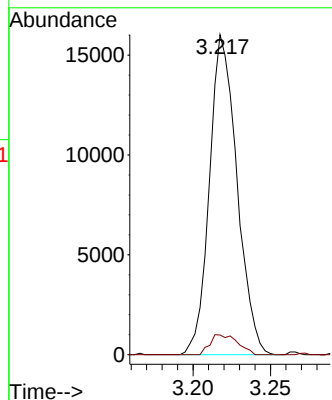
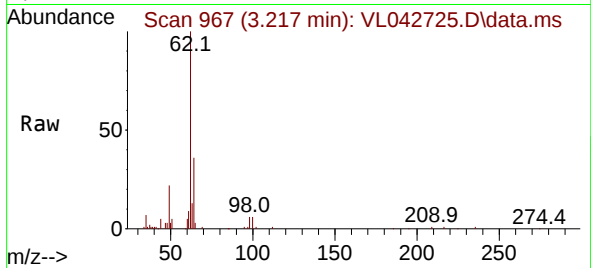




#37
1,2-Dichloroethane
Concen: 1.075 ppbv
RT: 3.217 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

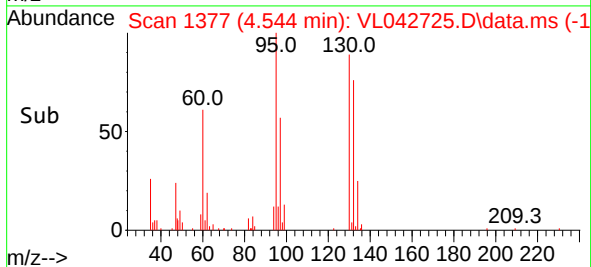
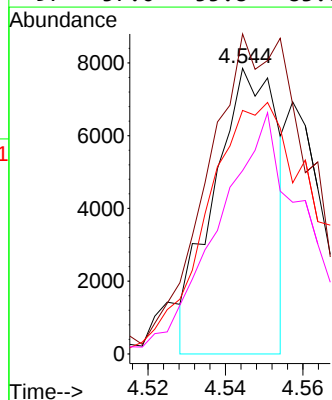
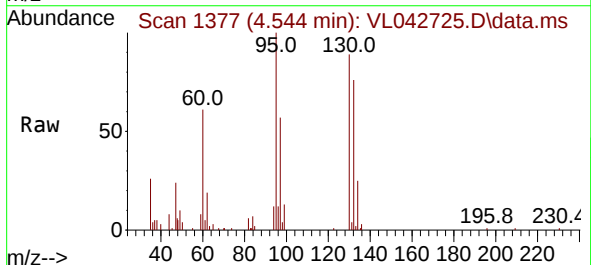
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

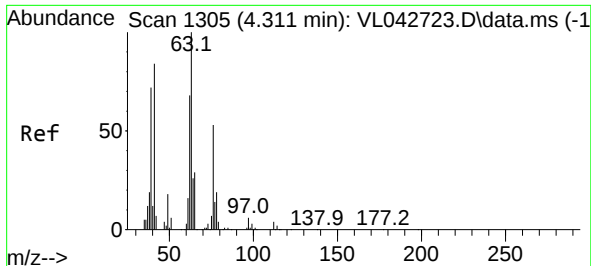
Tgt Ion: 62 Resp: 19799
Ion Ratio Lower Upper
62 100
98 6.3 4.8 7.2



#38
Trichloroethene
Concen: 0.632 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion:130 Resp: 8887
Ion Ratio Lower Upper
130 100
95 102.5 79.2 118.8
132 80.0 74.1 111.1
97 57.0 55.8 83.6





#39

1,2-Dichloropropane

Concen: 1.038 ppbv

RT: 4.318 min Scan# 11159

Delta R.T. 0.006 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

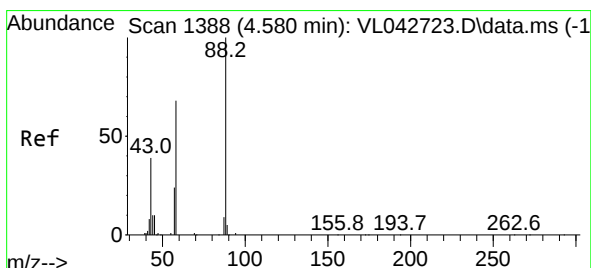
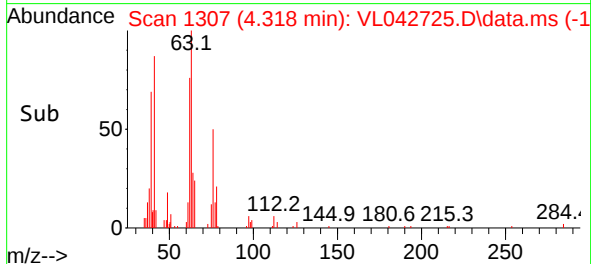
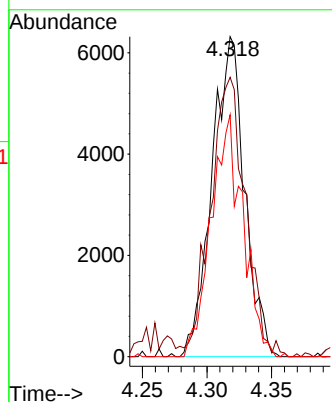
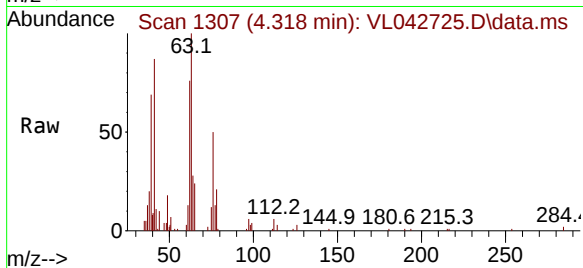
Tgt Ion: 63 Resp: 11159

Ion Ratio Lower Upper

63 100

41 85.8 67.7 101.5

62 75.6 54.1 81.1



#40

1,4-Dioxane

Concen: 0.671 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.013 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Tgt Ion: 88 Resp: 3323

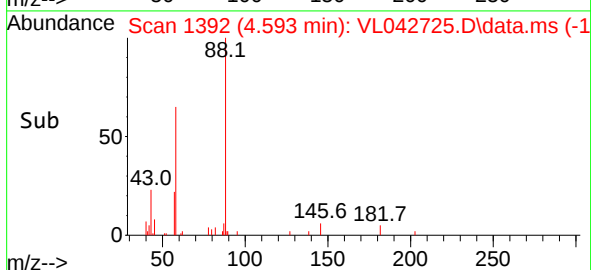
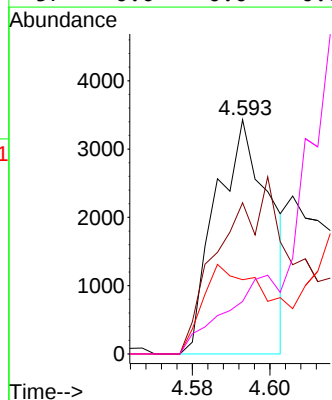
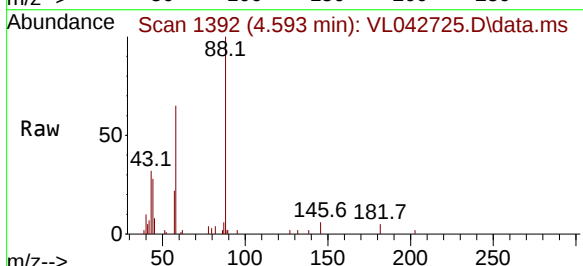
Ion Ratio Lower Upper

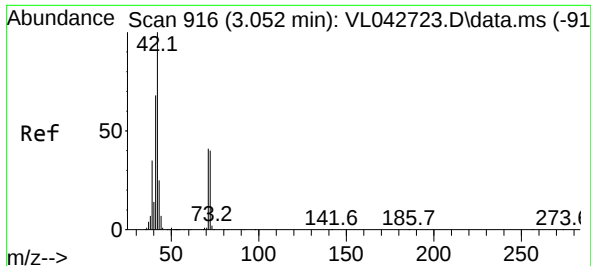
88 100

58 0.0 59.8 89.8#

43 0.0 32.6 48.8#

57 0.0 0.0 0.0

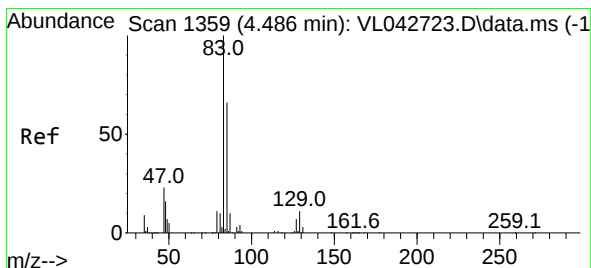
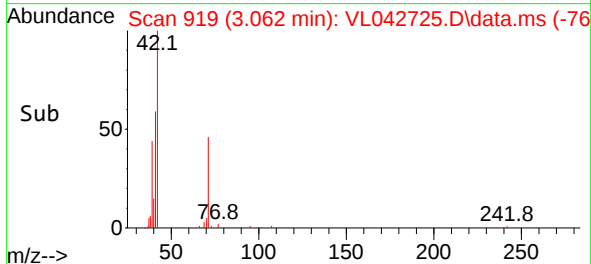
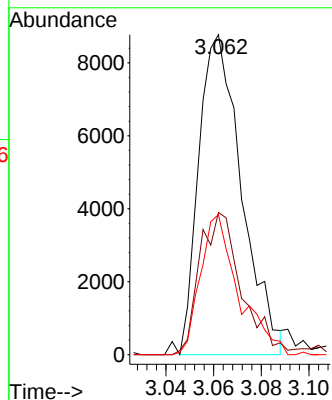
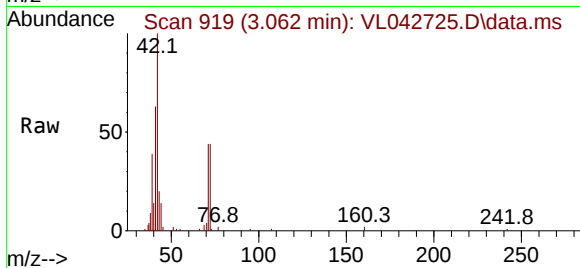




#41
Tetrahydrofuran
Concen: 1.003 ppbv
RT: 3.062 min Scan# 916
Delta R.T. 0.010 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

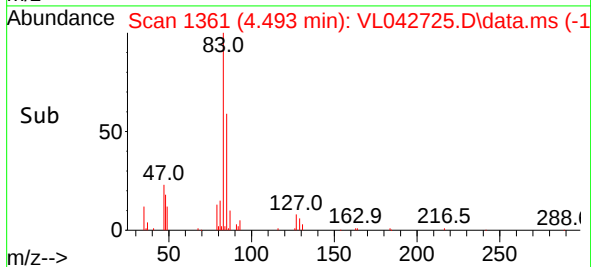
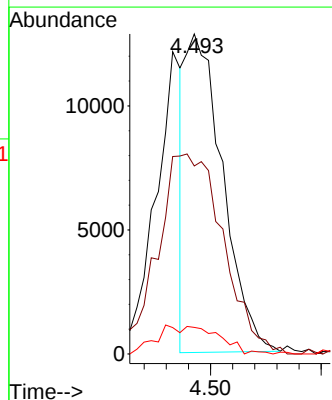
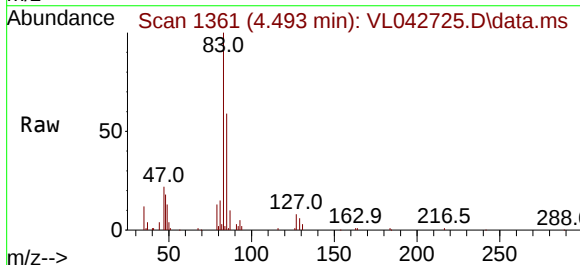
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

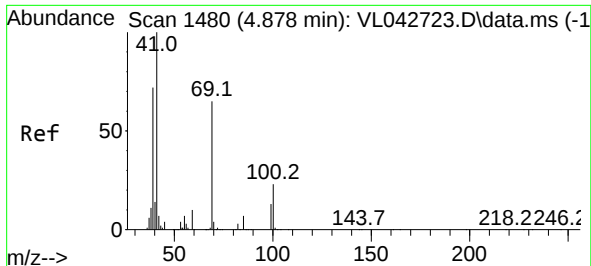
Tgt Ion:	42	Resp:	10967
Ion Ratio	Lower	Upper	
42	100		
72	44.7	32.2	48.2
71	39.8	29.8	44.6



#42
Bromodichloromethane
Concen: 0.623 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.006 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion:	83	Resp:	15008
Ion Ratio	Lower	Upper	
83	100		
85	57.2	52.6	78.8
127	7.8	6.0	9.0

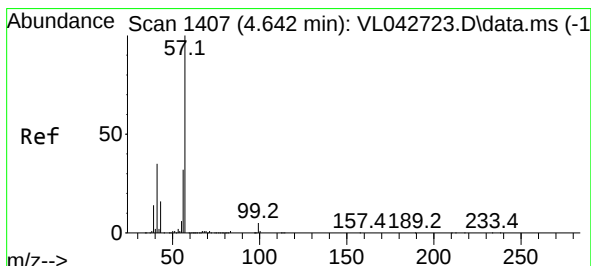
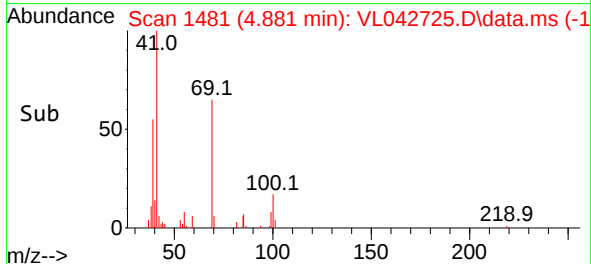
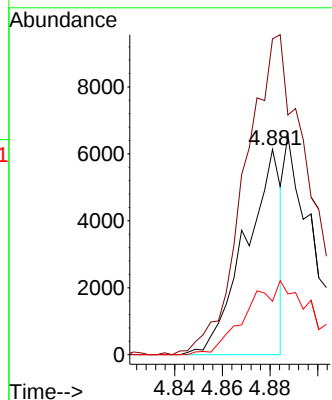
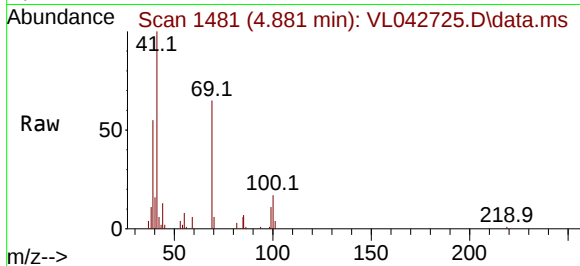




#43
Methyl Methacrylate
Concen: 0.574 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

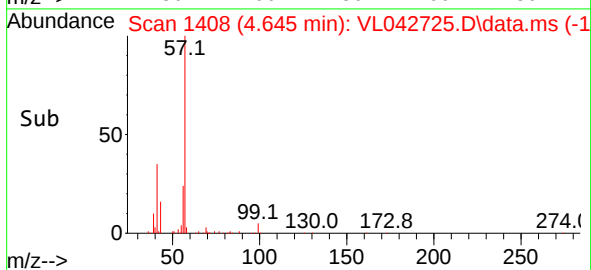
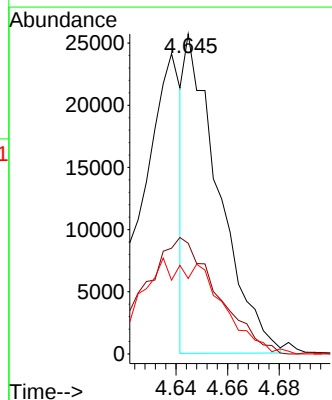
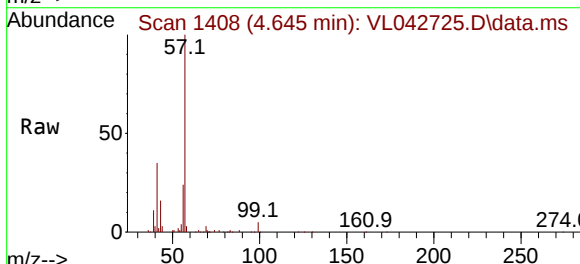
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

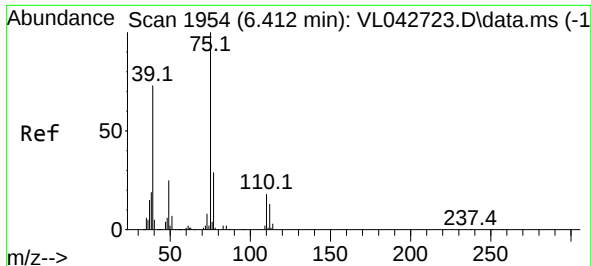
Tgt Ion: 69 Resp: 6362
Ion Ratio Lower Upper
69 100
41 290.4 125.8 188.6#
100 66.6 29.9 44.9#



#44
2,2,4-Trimethylpentane
Concen: 0.492 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 57 Resp: 23433
Ion Ratio Lower Upper
57 100
41 82.0 29.4 44.0#
56 0.0 26.1 39.1#





#45

t-1,3-Dichloropropene

Concen: 1.065 ppbv

RT: 6.415 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_1

ClientSampleId :

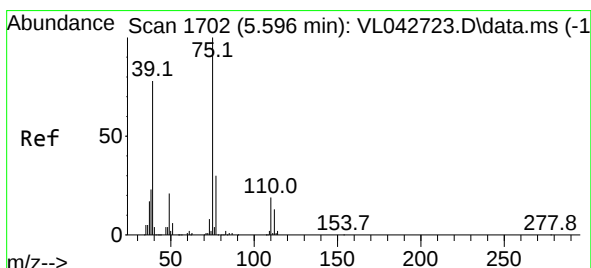
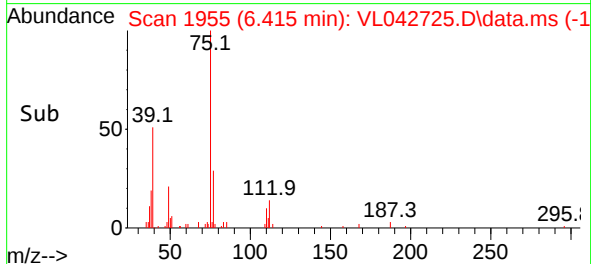
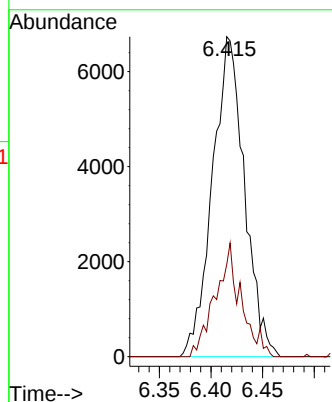
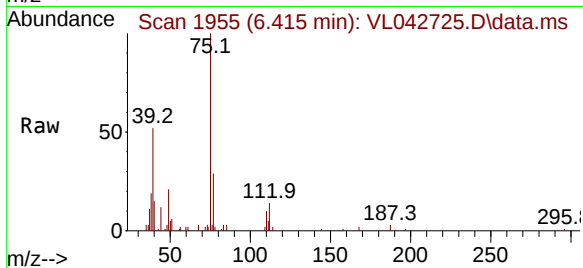
VSTDIC001

Tgt Ion: 75 Resp: 14507

Ion Ratio Lower Upper

75 100

77 28.9 23.0 34.6



#46

cis-1,3-Dichloropropene

Concen: 0.589 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. 0.010 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

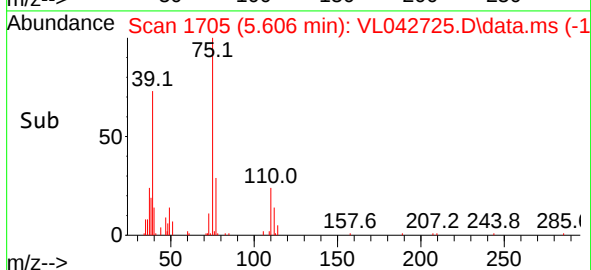
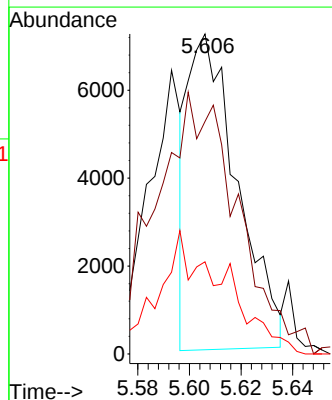
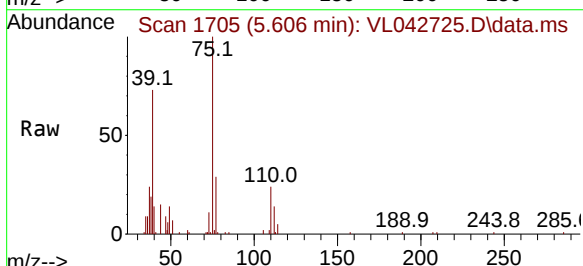
Tgt Ion: 75 Resp: 9527

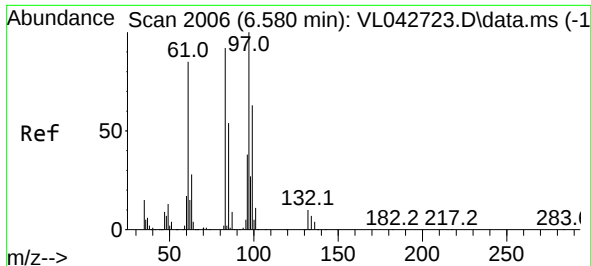
Ion Ratio Lower Upper

75 100

39 67.3 62.1 93.1

77 27.0 24.0 36.0





#47

1,1,2-Trichloroethane

Concen: 0.661 ppbv

RT: 6.587 min Scan# 2006

Delta R.T. 0.006 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 7789

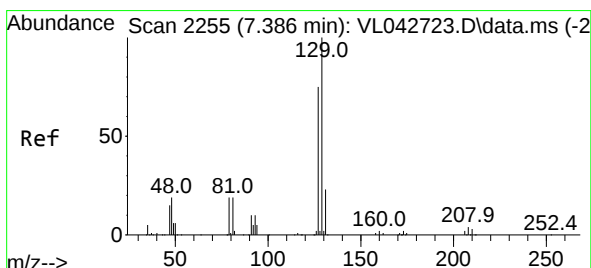
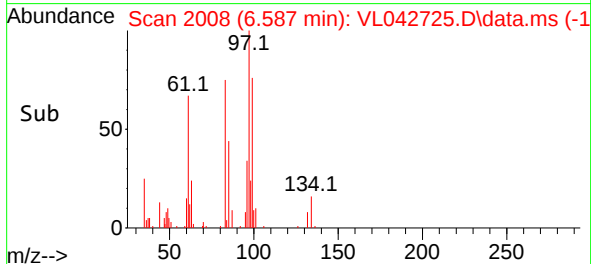
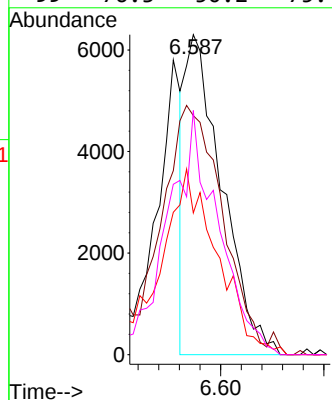
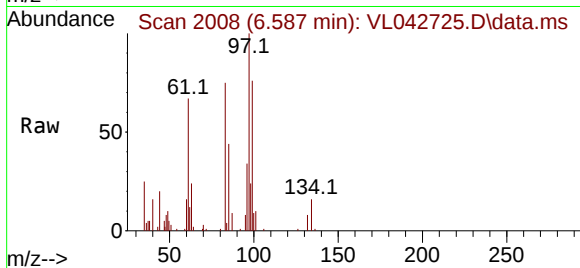
Ion Ratio Lower Upper

97 100

83 72.2 73.2 109.8#

85 41.9 42.7 64.1#

99 76.3 50.2 75.4#



#48

Dibromochloromethane

Concen: 1.037 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. -0.000 min

Lab File: VL042725.D

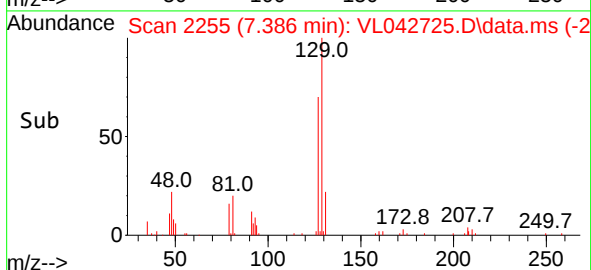
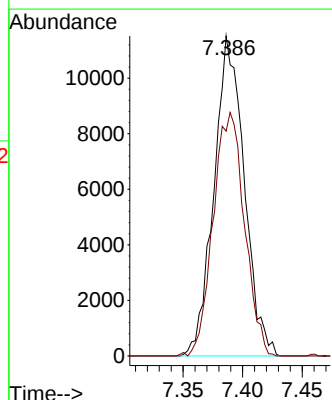
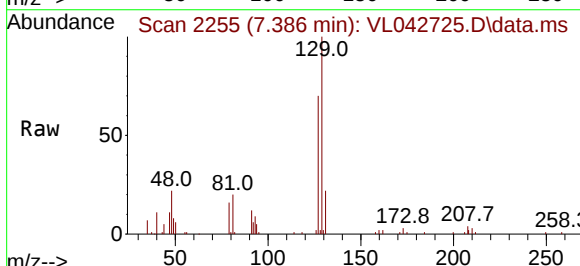
Acq: 22 Jul 2025 10:04

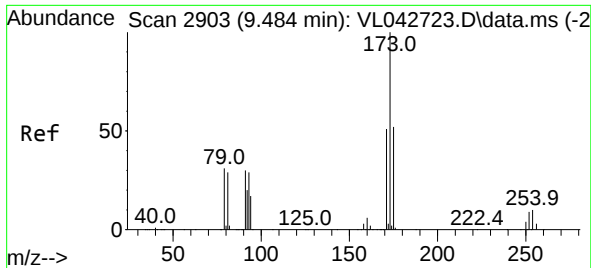
Tgt Ion: 129 Resp: 20308

Ion Ratio Lower Upper

129 100

127 78.7 39.1 117.3





#49

Bromoform

Concen: 1.013 ppbv

RT: 9.483 min Scan# 2903

Delta R.T. -0.000 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

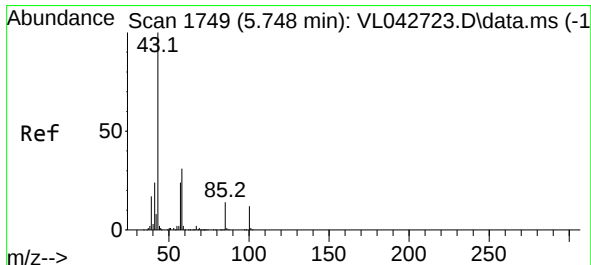
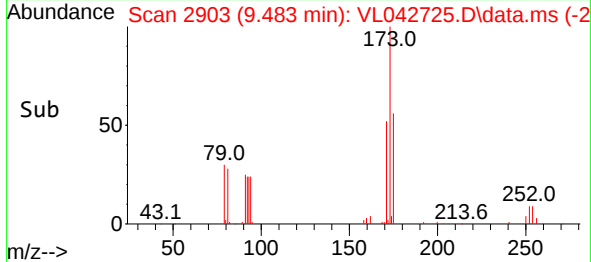
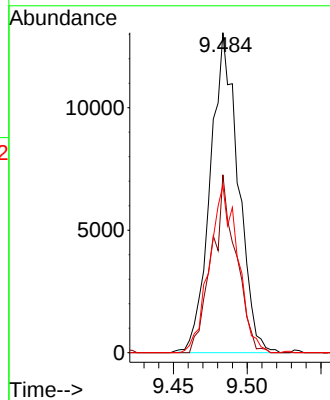
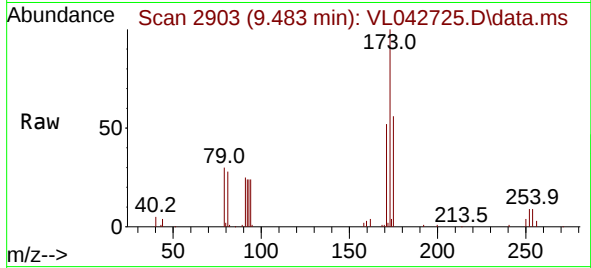
Tgt Ion:173 Resp: 17210

Ion Ratio Lower Upper

173 100

175 48.3 38.9 58.3

171 53.3 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 0.457 ppbv

RT: 5.765 min Scan# 1754

Delta R.T. 0.016 min

Lab File: VL042725.D

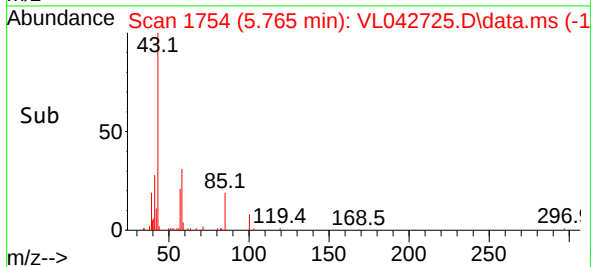
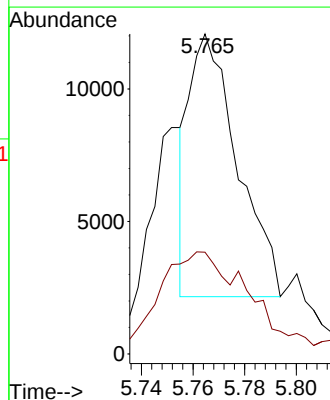
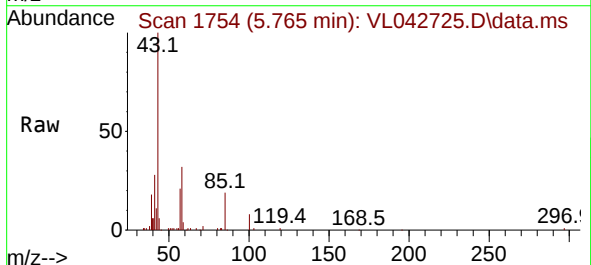
Acq: 22 Jul 2025 10:04

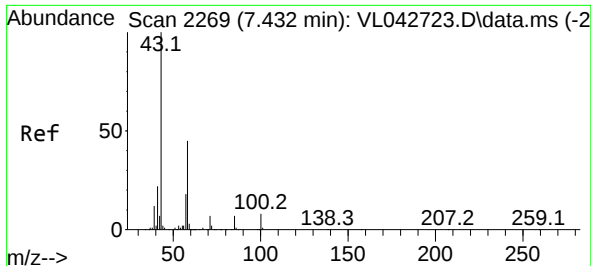
Tgt Ion: 43 Resp: 12866

Ion Ratio Lower Upper

43 100

58 79.0 27.6 41.4#

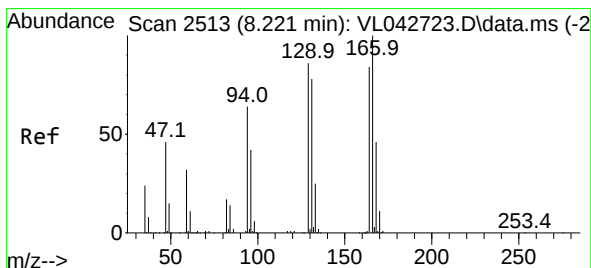
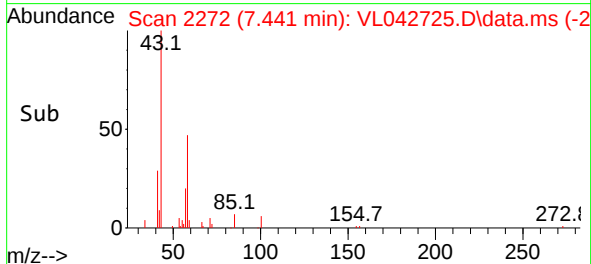
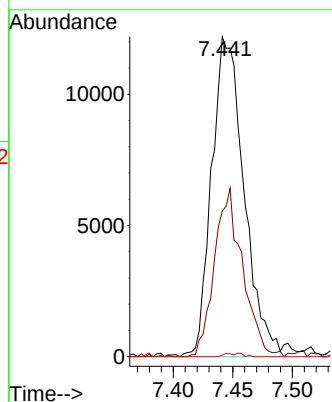
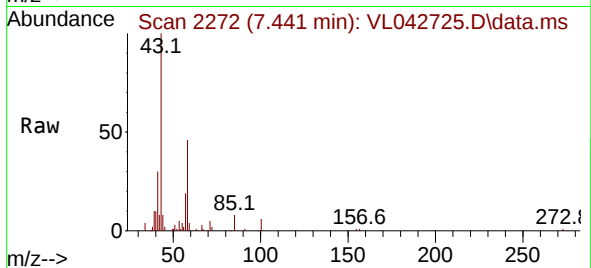




#51
2-Hexanone
Concen: 1.019 ppbv
RT: 7.441 min Scan# 2114
Delta R.T. 0.010 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

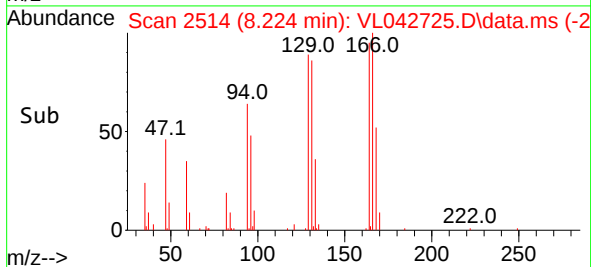
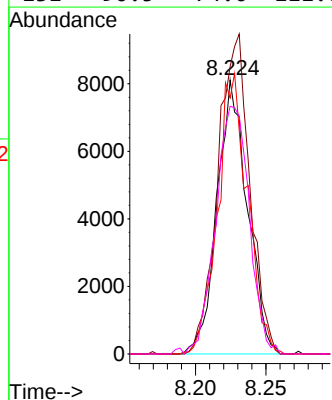
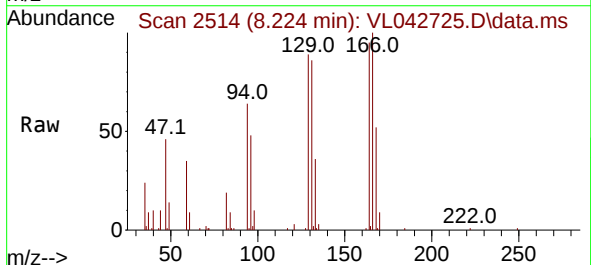
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

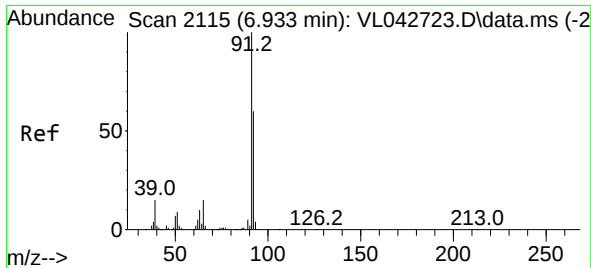
Tgt Ion: 43 Resp: 22958
Ion Ratio Lower Upper
43 100
58 46.9 37.9 56.9
98 0.6 0.2 0.2#



#52
Tetrachloroethene
Concen: 1.051 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 164 Resp: 12230
Ion Ratio Lower Upper
164 100
166 105.0 95.1 142.7
129 93.5 81.9 122.9
131 90.5 74.0 111.0

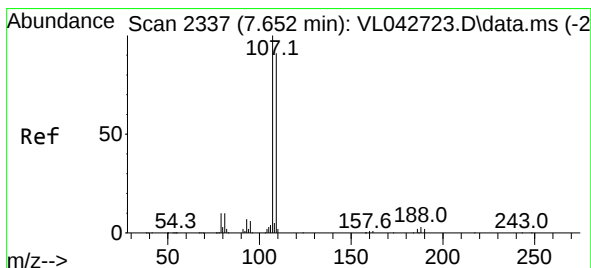
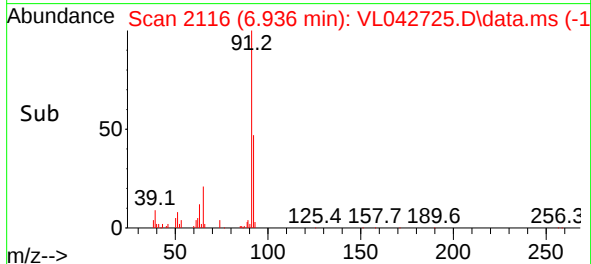
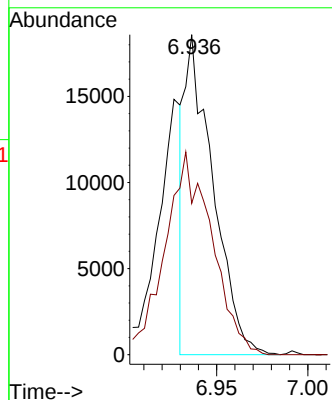
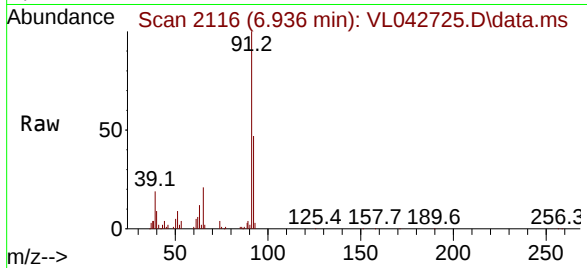




#53
Toluene
Concen: 0.613 ppbv
RT: 6.936 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

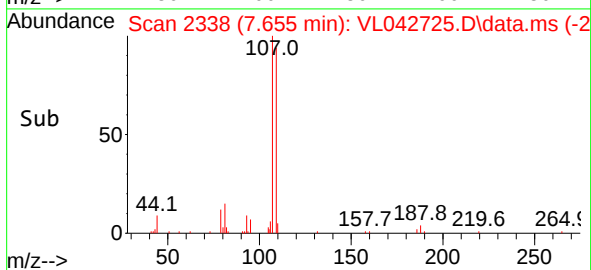
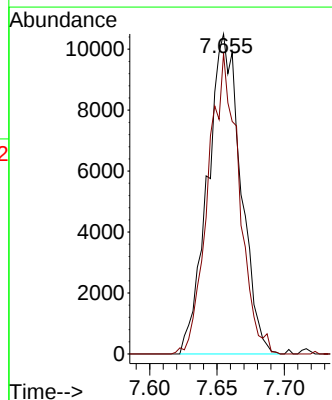
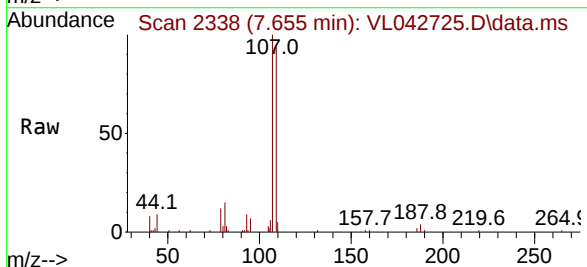
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

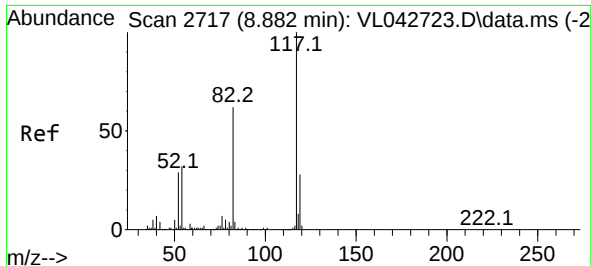
Tgt Ion: 91 Resp: 19959
Ion Ratio Lower Upper
91 100
92 105.0 48.2 72.4#



#54
1,2-Dibromoethane
Concen: 1.025 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 107 Resp: 18051
Ion Ratio Lower Upper
107 100
109 94.0 72.5 108.7

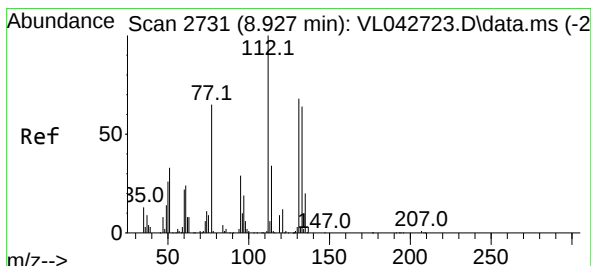
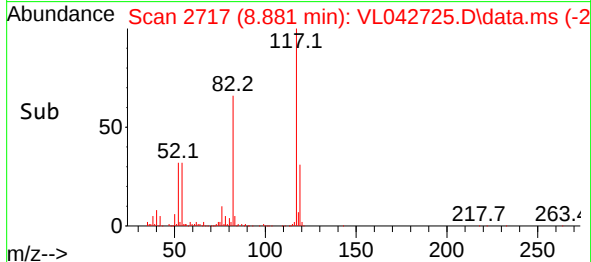
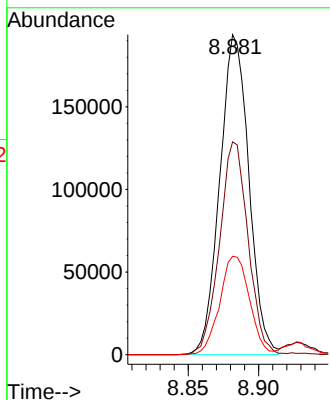
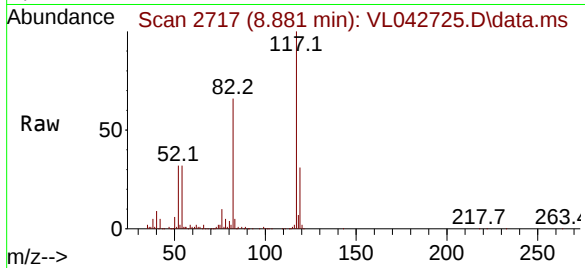




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

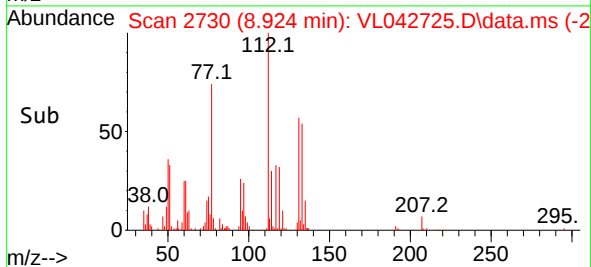
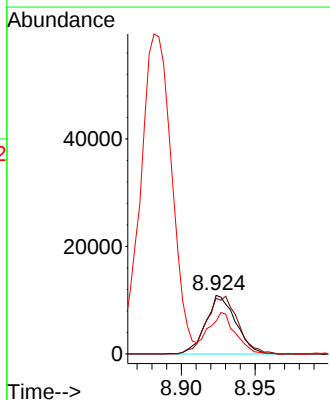
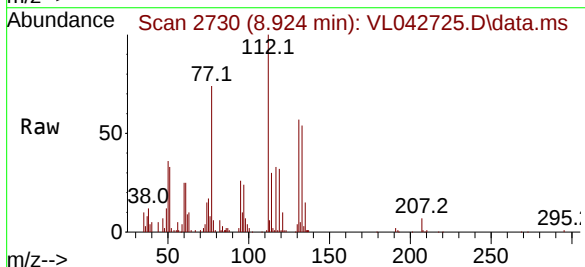
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

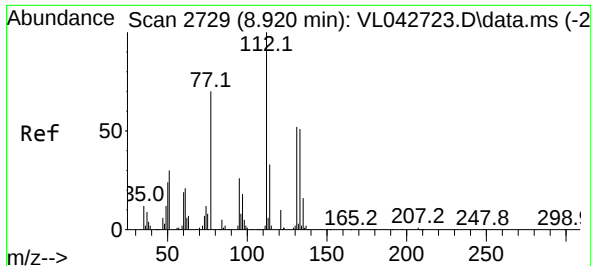
Tgt Ion:117 Resp: 278751
Ion Ratio Lower Upper
117 100
82 65.6 54.6 81.8
119 31.7 25.3 37.9



#56
1,1,1,2-Tetrachloroethane
Concen: 1.017 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. -0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion:131 Resp: 15275
Ion Ratio Lower Upper
131 100
133 104.8 77.4 116.0
119 59.6 48.6 73.0

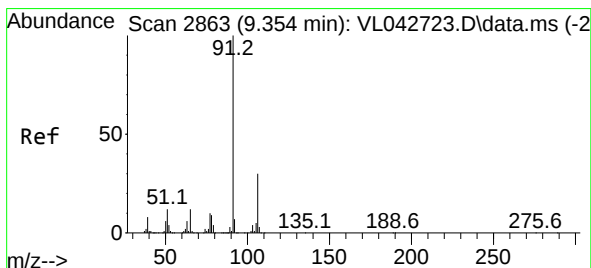
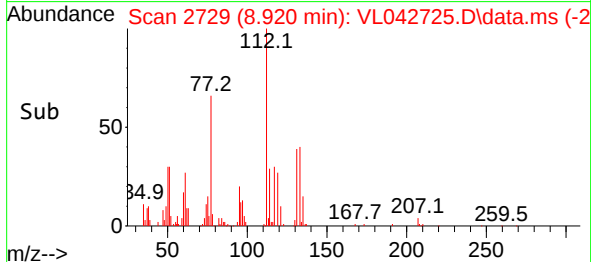
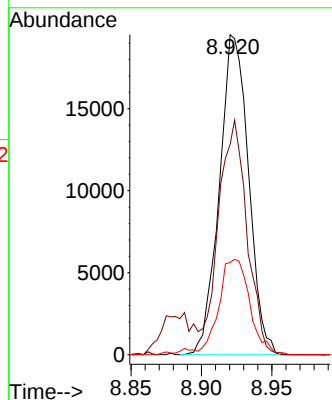
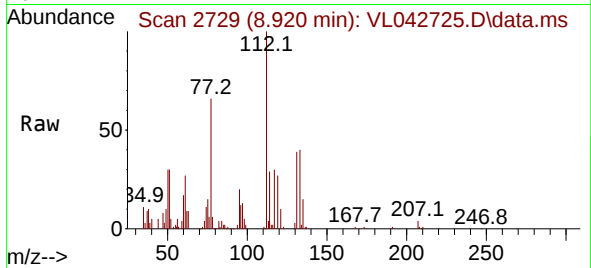




#57
Chlorobenzene
Concen: 1.059 ppbv
RT: 8.920 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

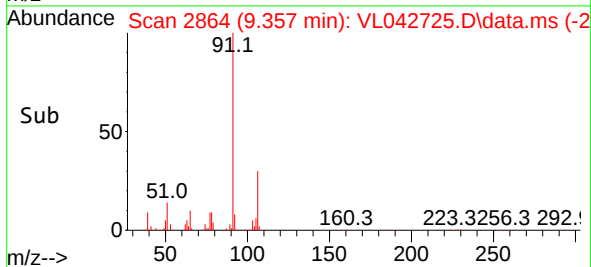
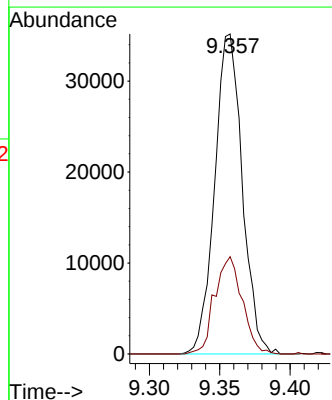
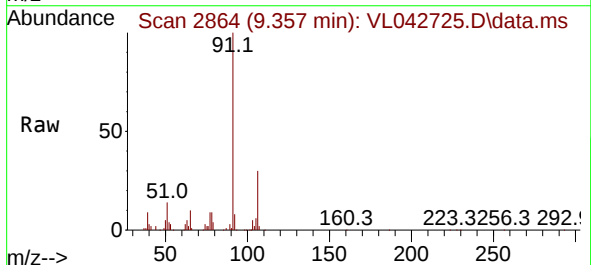
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

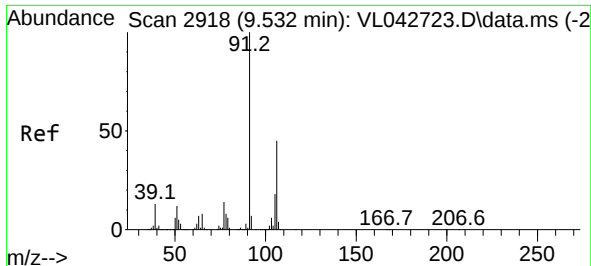
Tgt Ion:112 Resp: 28147
Ion Ratio Lower Upper
112 100
77 65.0 57.2 85.8
114 27.9 29.8 36.4#



#58
Ethyl Benzene
Concen: 1.031 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 91 Resp: 47989
Ion Ratio Lower Upper
91 100
106 30.4 23.7 35.5





#59

m/p-Xylene

Concen: 0.710 ppbv

RT: 9.532 min Scan# 2918

Delta R.T. -0.000 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

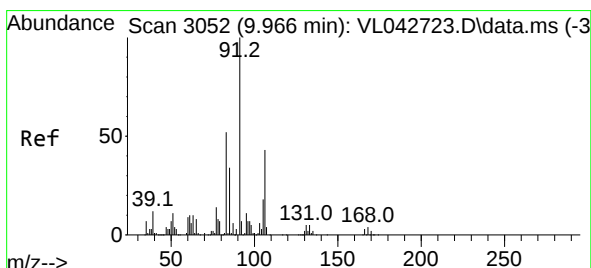
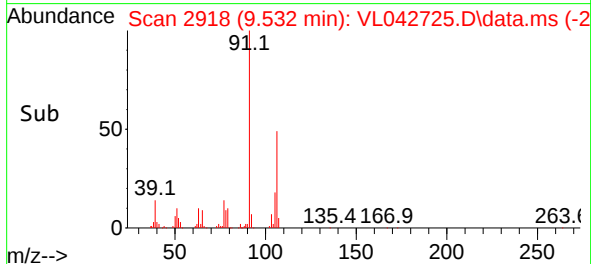
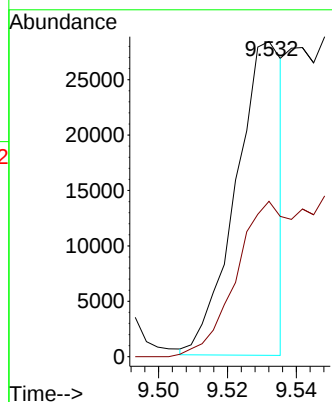
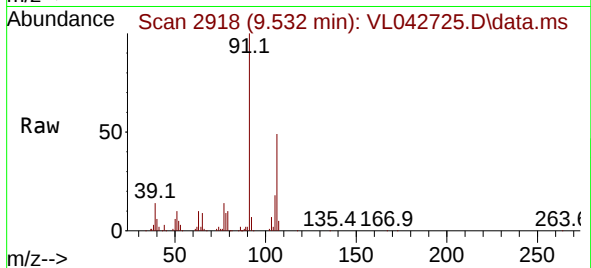
VSTDIC001

Tgt Ion: 91 Resp: 26488

Ion Ratio Lower Upper

91 100

106 0.0 37.3 55.9#



#60

o-Xylene

Concen: 1.044 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VL042725.D

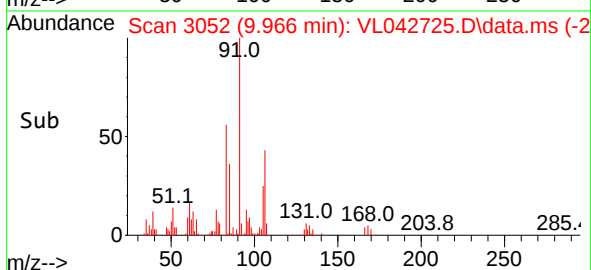
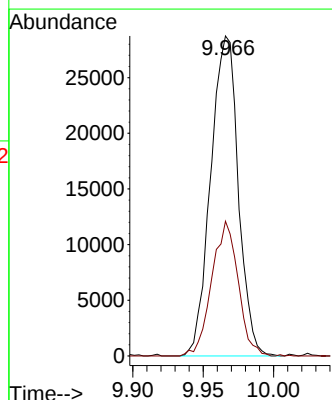
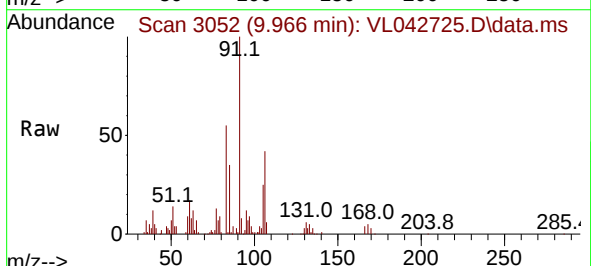
Acq: 22 Jul 2025 10:04

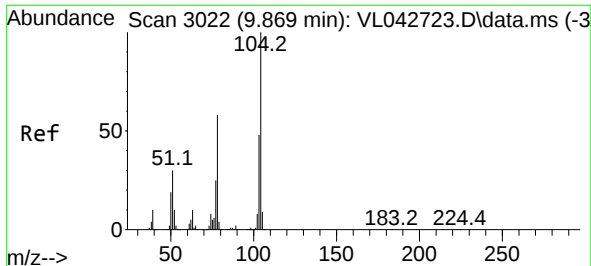
Tgt Ion: 91 Resp: 39281

Ion Ratio Lower Upper

91 100

106 40.2 21.4 64.3





#61

Styrene

Concen: 0.490 ppbv

RT: 9.878 min Scan# 30

Delta R.T. 0.010 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

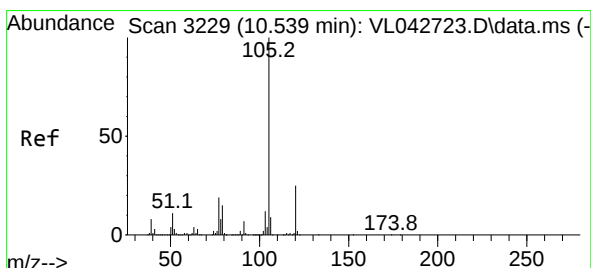
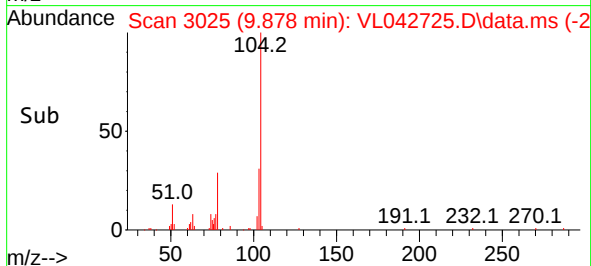
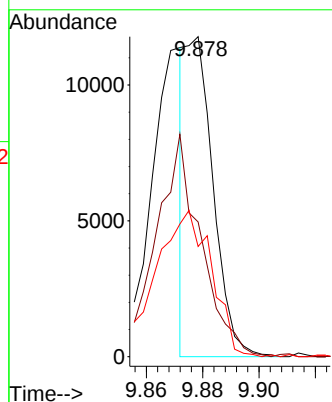
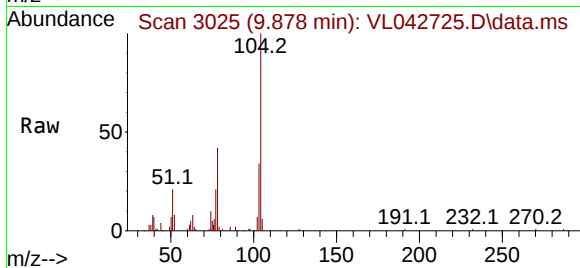
Tgt Ion:104 Resp: 7946

Ion Ratio Lower Upper

104 100

78 113.5 43.4 65.2#

103 94.1 37.8 56.6#



#62

Isopropylbenzene

Concen: 1.042 ppbv

RT: 10.542 min Scan# 3230

Delta R.T. 0.003 min

Lab File: VL042725.D

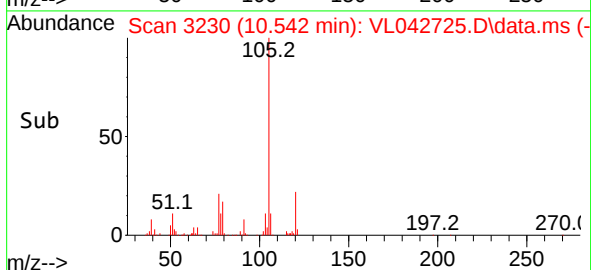
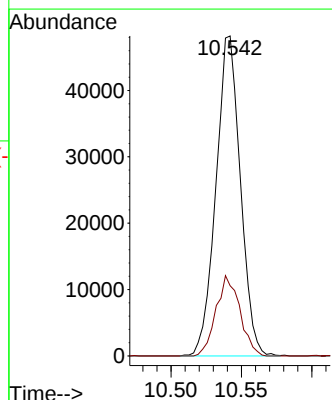
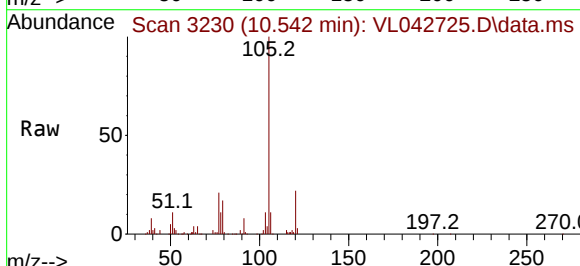
Acq: 22 Jul 2025 10:04

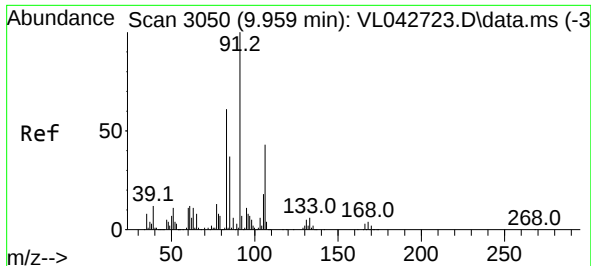
Tgt Ion:105 Resp: 58251

Ion Ratio Lower Upper

105 100

120 24.5 20.2 30.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.990 ppbv

RT: 9.966 min Scan# 3050

Delta R.T. 0.006 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

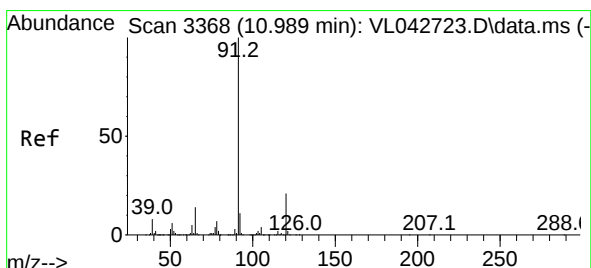
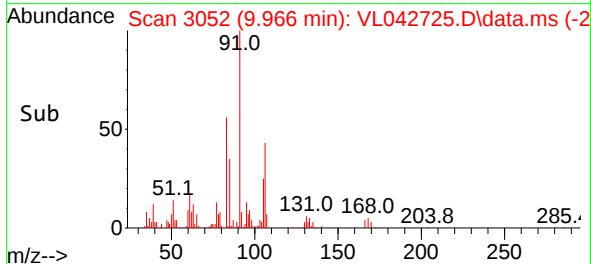
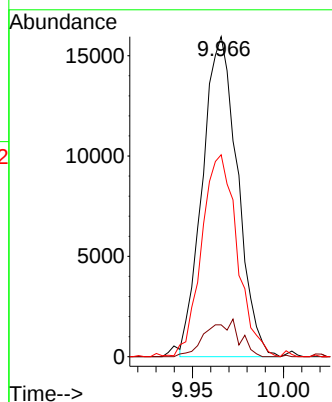
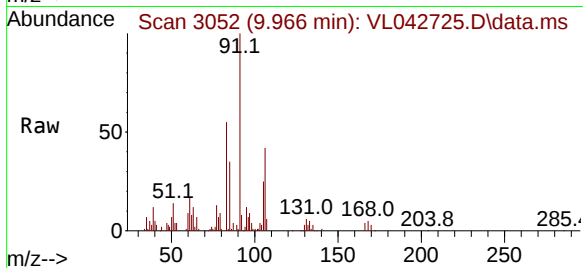
Tgt Ion: 83 Resp: 21288

Ion Ratio Lower Upper

83 100

131 11.2 5.2 15.6

85 64.7 32.1 96.5



#64

n-propylbenzene

Concen: 1.040 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. -0.000 min

Lab File: VL042725.D

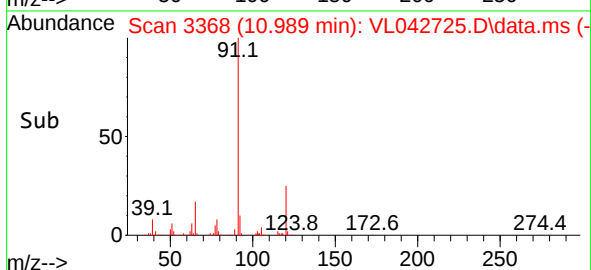
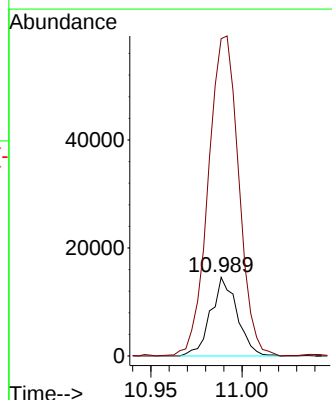
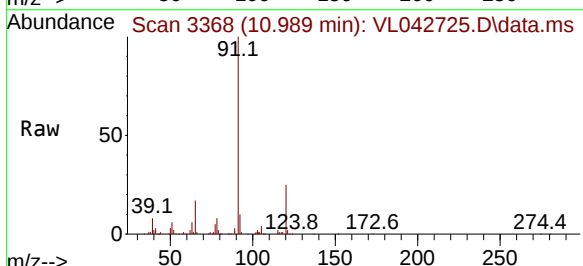
Acq: 22 Jul 2025 10:04

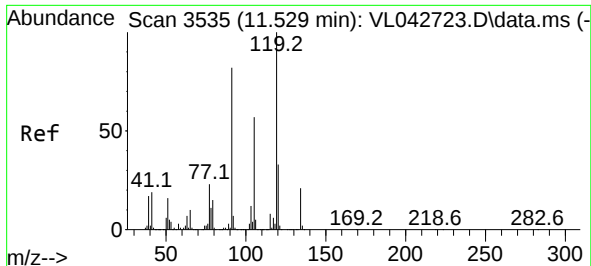
Tgt Ion: 120 Resp: 14662

Ion Ratio Lower Upper

120 100

91 471.9 377.4 566.0

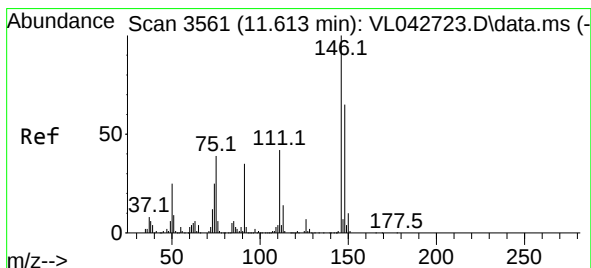
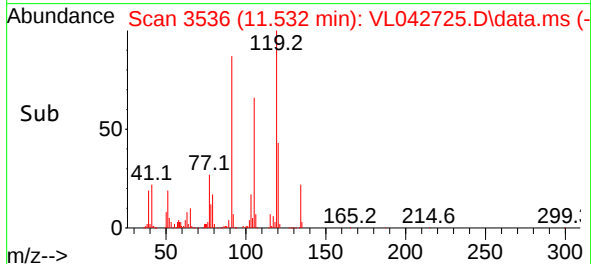
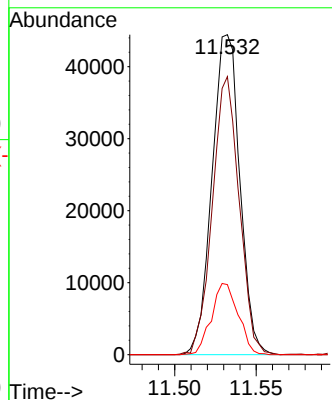
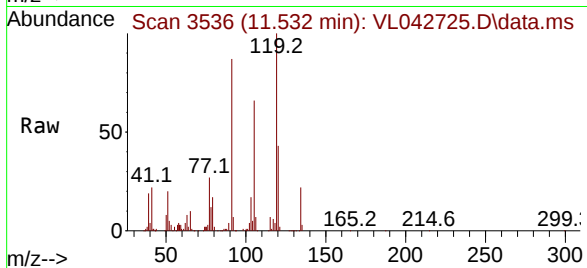




#65
tert-Butylbenzene
Concen: 1.055 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

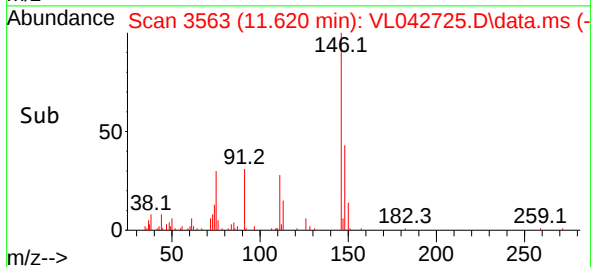
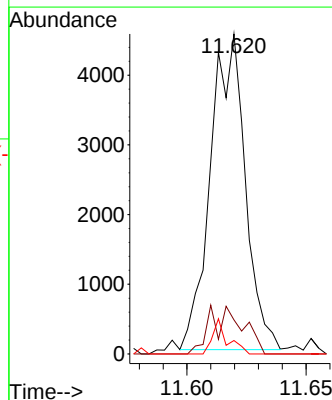
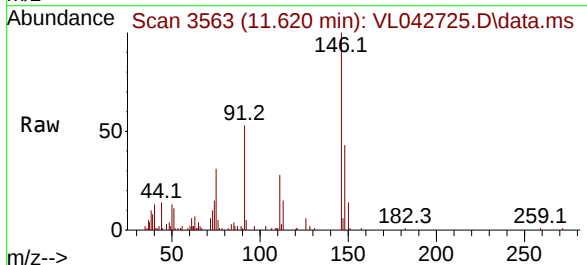
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

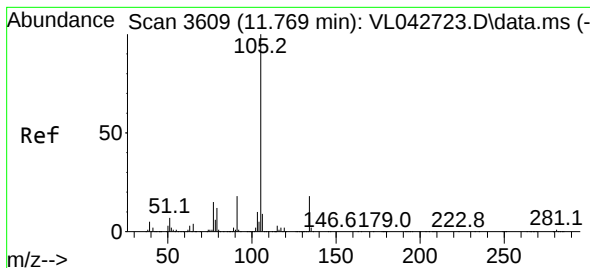
Tgt Ion:119 Resp: 52792
Ion Ratio Lower Upper
119 100
91 83.5 66.5 99.7
134 21.4 16.7 25.1



#66
Benzyl Chloride
Concen: 0.965 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.006 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 91 Resp: 4588
Ion Ratio Lower Upper
91 100
126 14.2 15.0 22.4#
128 4.7 5.0 7.6#

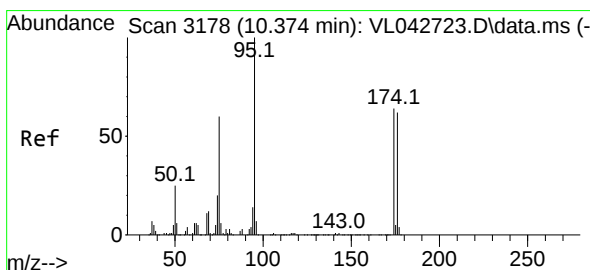
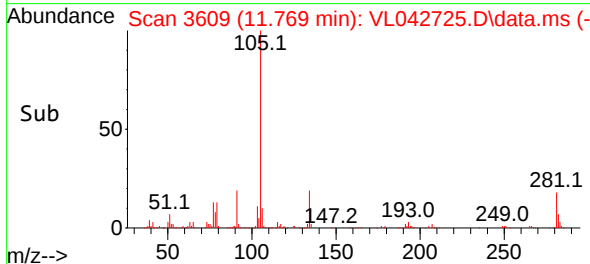
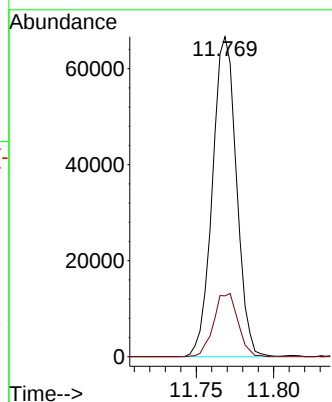
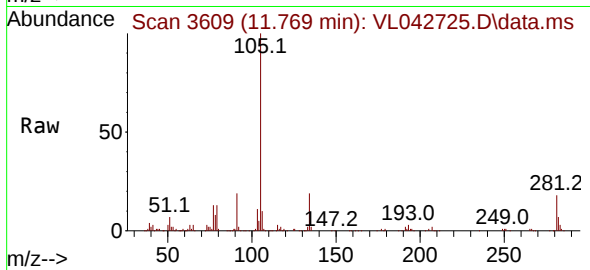




#67
 sec-Butylbenzene
 Concen: 1.046 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

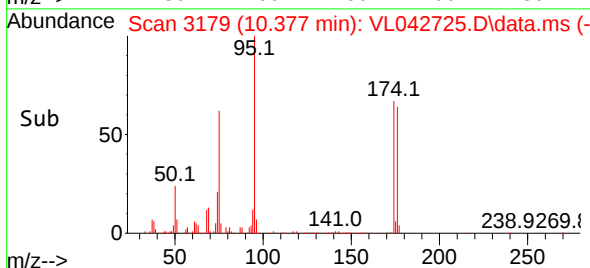
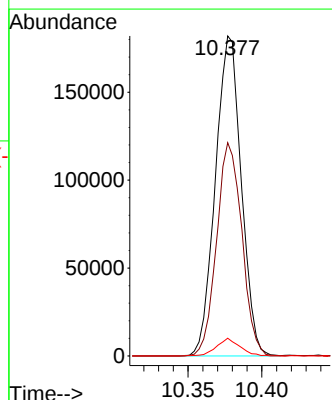
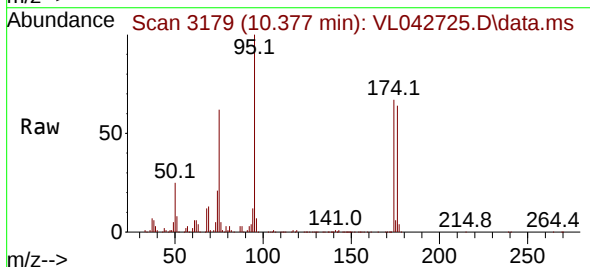
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

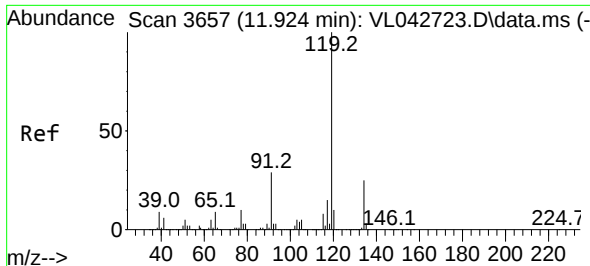
Tgt Ion:105 Resp: 71871
 Ion Ratio Lower Upper
 105 100
 134 20.1 15.0 22.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.864 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.003 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Tgt Ion: 95 Resp: 222231
 Ion Ratio Lower Upper
 95 100
 174 65.1 51.4 77.2
 175 5.0 4.2 6.4

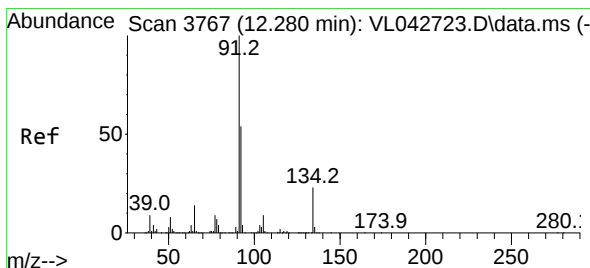
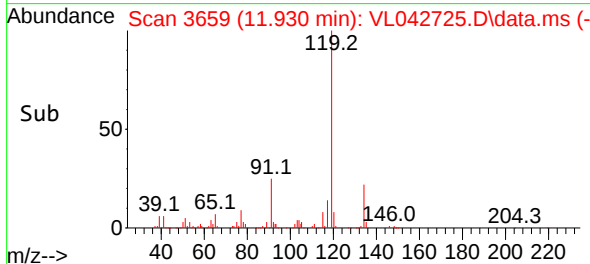
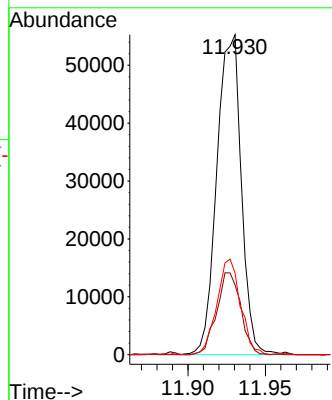
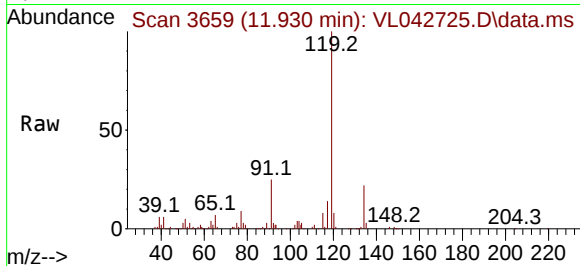




#69
p-Isopropyltoluene
Concen: 1.053 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.006 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

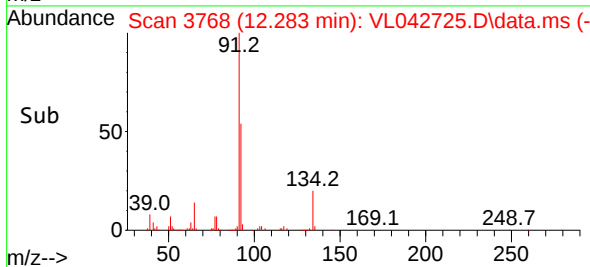
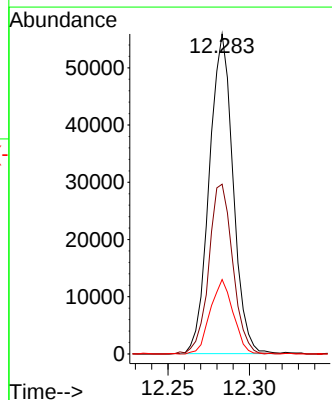
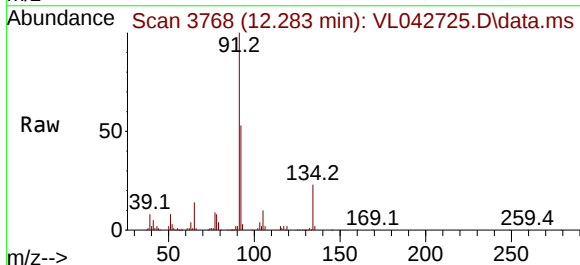
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

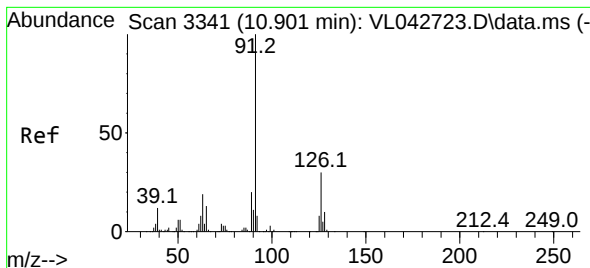
Tgt Ion:119 Resp: 60634
Ion Ratio Lower Upper
119 100
134 25.4 19.8 29.6
91 29.2 23.9 35.9



#70
n-Butylbenzene
Concen: 1.029 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 91 Resp: 56605
Ion Ratio Lower Upper
91 100
92 53.8 43.2 64.8
134 22.7 19.0 28.6

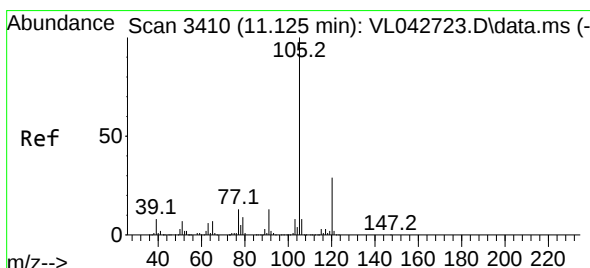
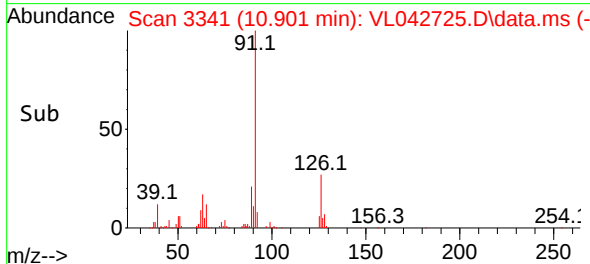
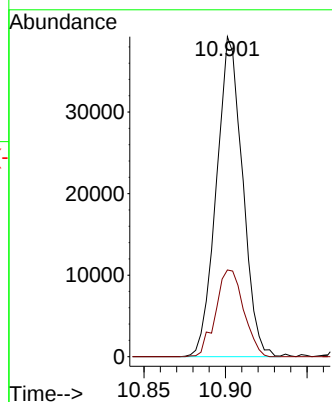
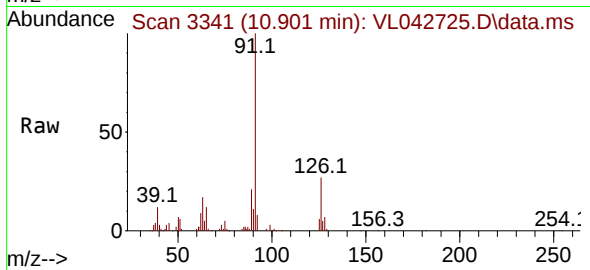




#71
2-Chlorotoluene
Concen: 1.032 ppbv
RT: 10.901 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

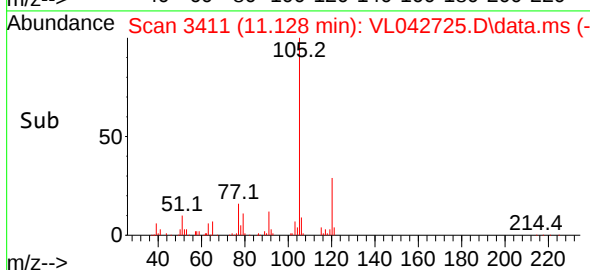
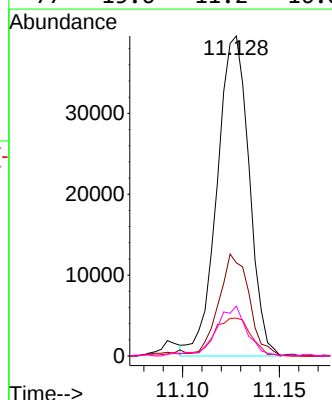
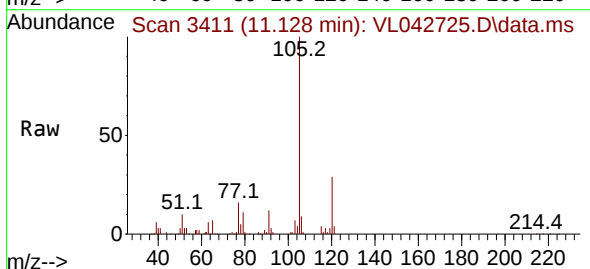
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

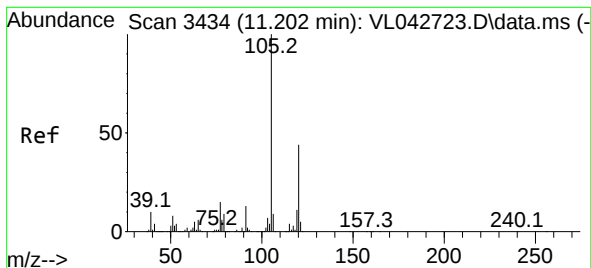
Tgt Ion: 91 Resp: 43753
Ion Ratio Lower Upper
91 100
126 28.8 11.6 46.4



#72
4-Ethyltoluene
Concen: 1.014 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion: 105 Resp: 45501
Ion Ratio Lower Upper
105 100
120 31.6 23.4 35.0
91 14.4 10.6 15.8
77 15.6 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 1.011 ppbv

RT: 11.205 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

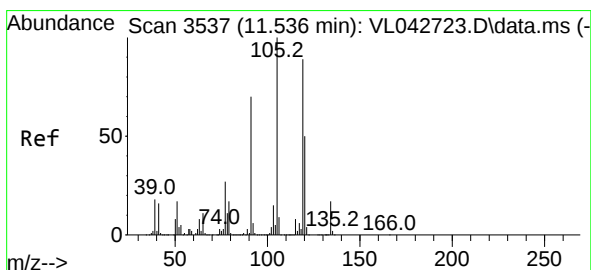
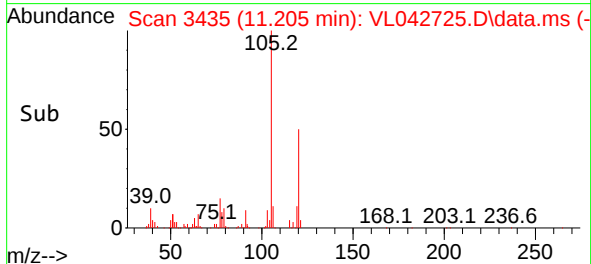
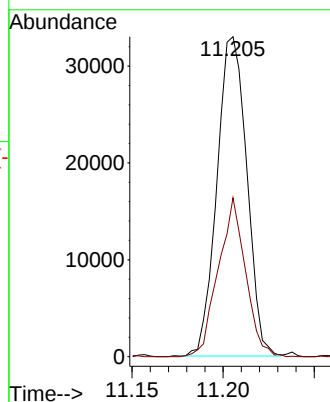
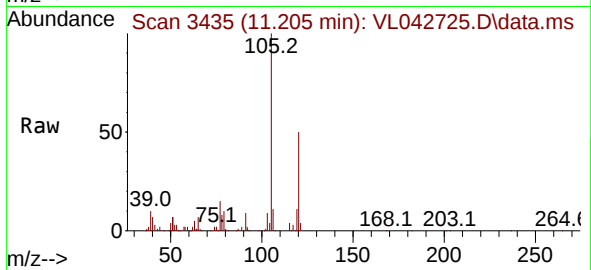
VSTDIC001

Tgt Ion:105 Resp: 37503

Ion Ratio Lower Upper

105 100

120 49.8 35.2 52.8



#74

1,2,4-Trimethylbenzene

Concen: 1.013 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Tgt Ion:105 Resp: 41241

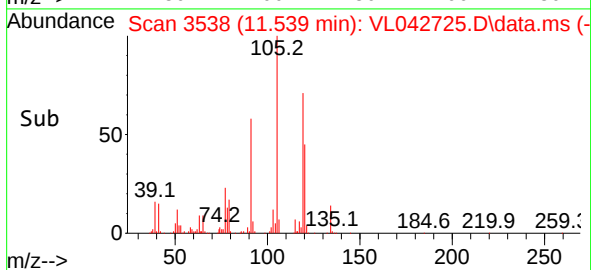
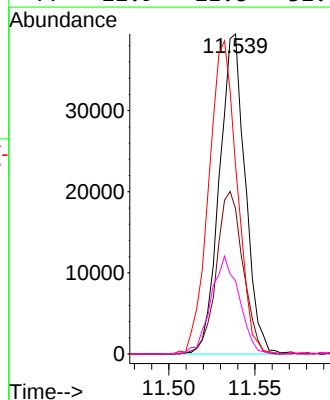
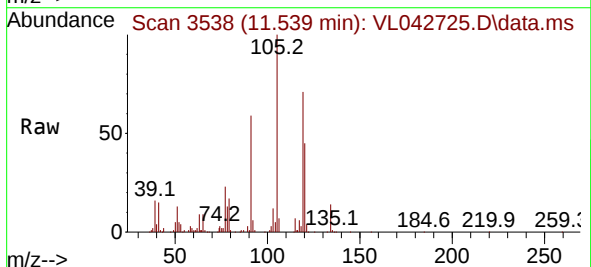
Ion Ratio Lower Upper

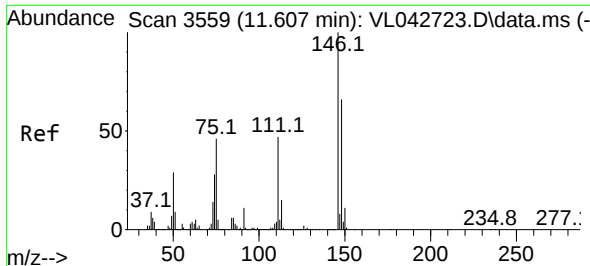
105 100

120 45.4 39.9 59.9

91 58.8 56.5 84.7

77 22.9 21.8 32.6

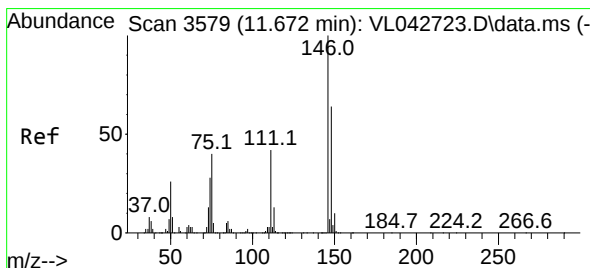
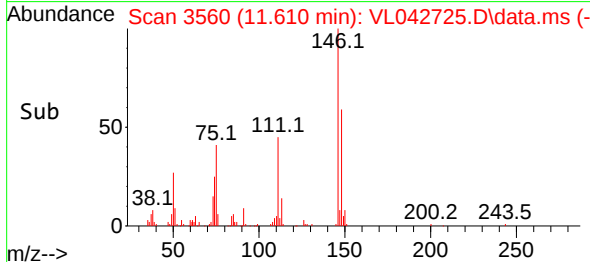
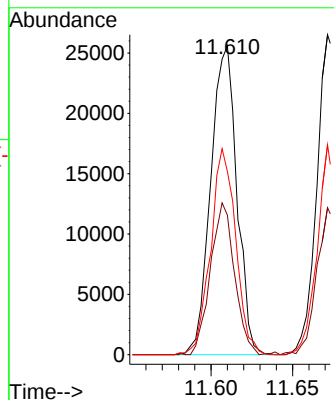
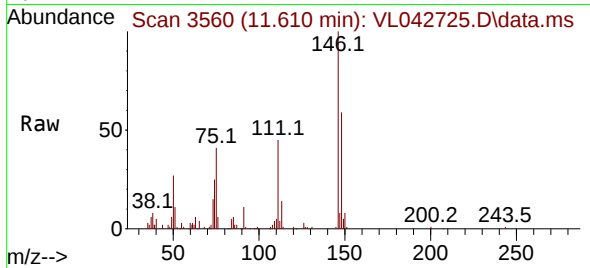




#75
1,3-Dichlorobenzene
Concen: 1.047 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

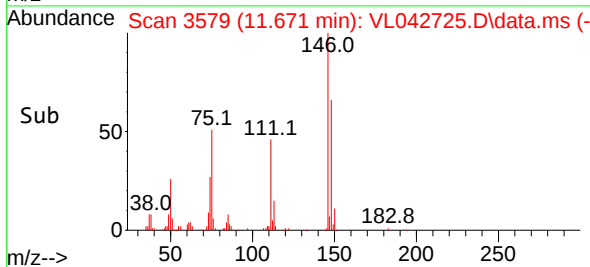
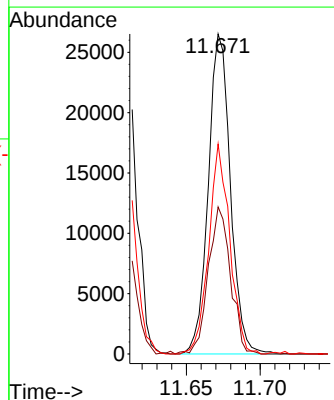
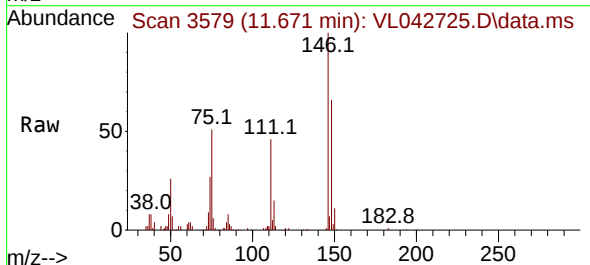
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

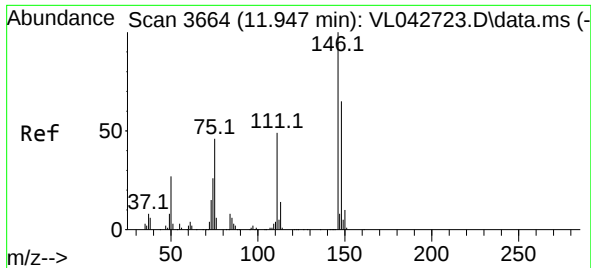
Tgt Ion:146 Resp: 28504
Ion Ratio Lower Upper
146 100
111 45.8 23.5 70.5
148 64.2 32.6 98.0



#76
1,4-Dichlorobenzene
Concen: 1.050 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042725.D
Acq: 22 Jul 2025 10:04

Tgt Ion:146 Resp: 27656
Ion Ratio Lower Upper
146 100
111 45.9 22.1 66.1
148 62.8 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 1.096 ppbv

RT: 11.950 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

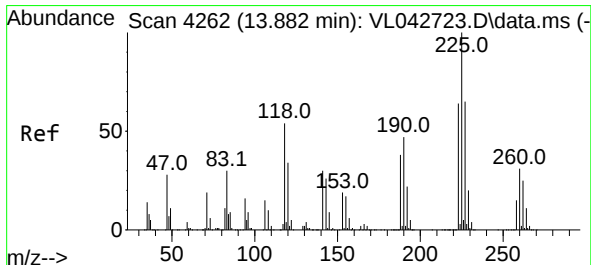
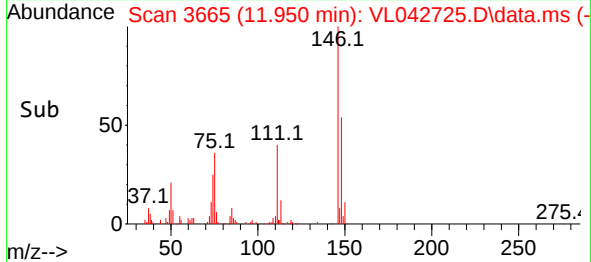
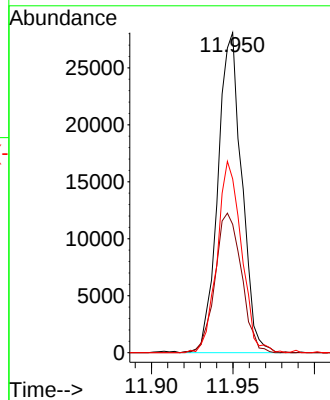
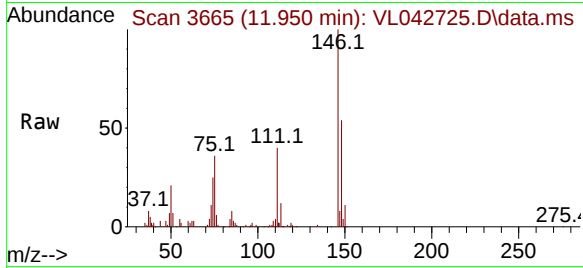
Tgt Ion:146 Resp: 28594

Ion Ratio Lower Upper

146 100

111 48.2 24.9 74.6

148 61.1 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 1.151 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. -0.000 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

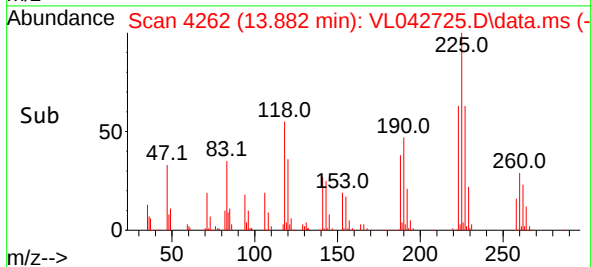
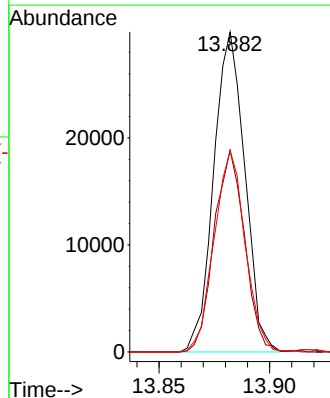
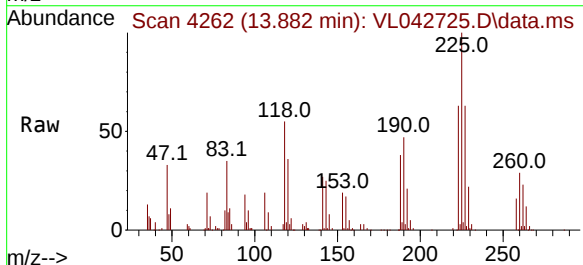
Tgt Ion:225 Resp: 29228

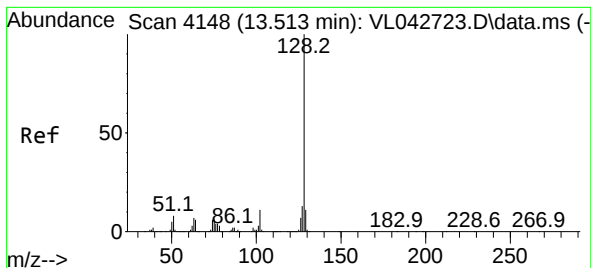
Ion Ratio Lower Upper

225 100

223 62.2 51.3 76.9

227 62.9 51.8 77.8





#79

Naphthalene

Concen: 0.813 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. -0.000 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

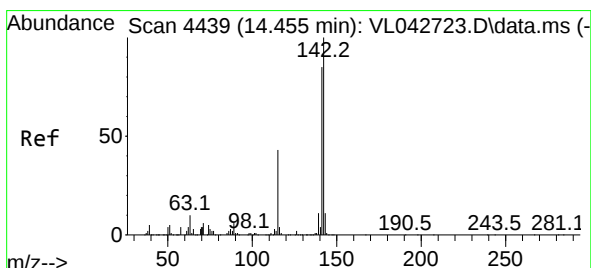
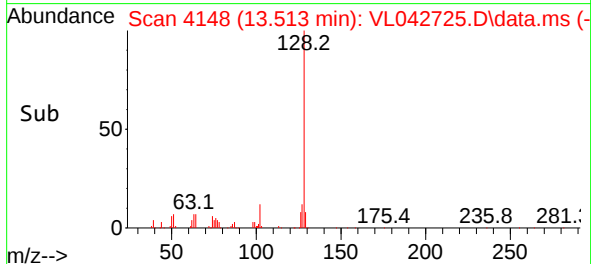
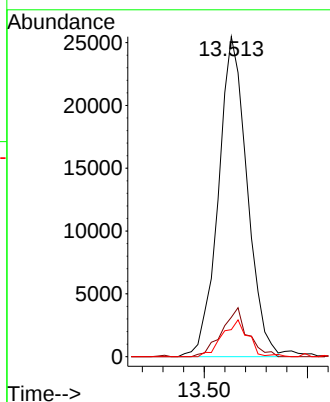
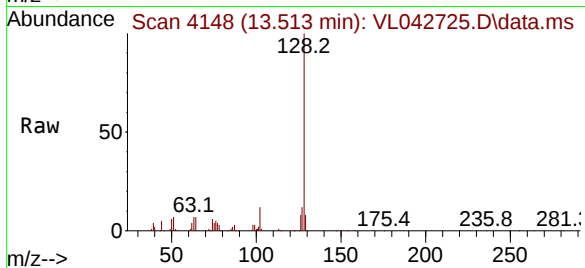
Tgt Ion:128 Resp: 24671

Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

129 8.4 8.6 13.0#



#80

Naphthalene,2-methyl-

Concen: 0.182 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. 0.013 min

Lab File: VL042725.D

Acq: 22 Jul 2025 10:04

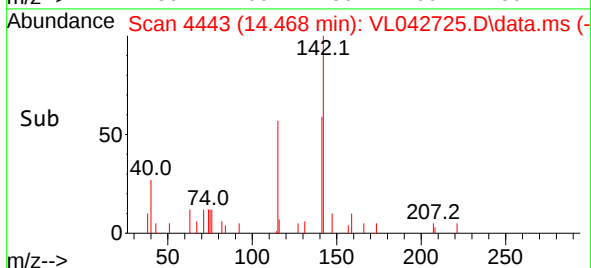
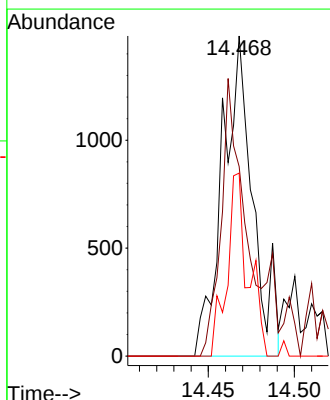
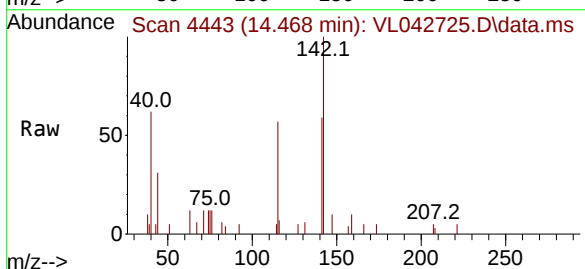
Tgt Ion:142 Resp: 1815

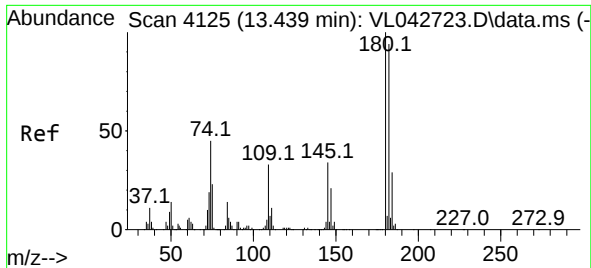
Ion Ratio Lower Upper

142 100

141 76.0 65.6 98.4

115 40.6 31.7 47.5





#81
 1,2,4-Trichlorobenzene
 Concen: 0.903 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042725.D
 Acq: 22 Jul 2025 10:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	77.1	115.7
184	31.4	25.0	37.4

