

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042724.D
 Acq On : 22 Jul 2025 09:30
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Jul 23 01:30:11 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	101102	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	317924	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	282833	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	228709	10.005	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	34020	2.155	ppbv	92
3) Chlorodifluoromethane	1.476	51	37949	2.124	ppbv	99
4) Chloromethane	1.531	50	13732	2.125	ppbv	95
5) Vinyl Chloride	1.580	62	12070	1.891	ppbv	93
6) Bromomethane	1.667	94	5551	2.148	ppbv	100
7) Chloroethane	1.703	64	5191	2.138	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	28356	2.130	ppbv	97
9) Propene	1.483	41	13758	2.166	ppbv	93
10) Heptane	4.975	43	37947	2.144	ppbv	99
11) Trichlorofluoromethane	1.878	101	34792	2.142	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.140	101	26888	2.116	ppbv	99
13) Ethanol	1.719	45	2261	2.213	ppbv	99
14) Bromoethene	1.780	108	9630	2.125	ppbv #	96
15) Acetone	1.835	43	39947	2.360	ppbv	99
16) 1,3-Butadiene	1.609	39	15901	2.193	ppbv	90
17) tert-Butyl alcohol	2.039	59	33425	2.079	ppbv	96
18) 1,1-Dichloroethene	2.033	96	10946	2.025	ppbv #	68
19) Isopropyl Alcohol	1.884	45	18210	2.030	ppbv #	72
20) Methylene Chloride	2.062	84	11131	2.092	ppbv	92
21) Allyl Chloride	2.094	41	22673	2.089	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	12861	2.068	ppbv	81
23) Vinyl Acetate	2.460	43	39040	2.023	ppbv #	96
24) 1,1-Dichloroethane	2.408	63	24816	2.001	ppbv	97
25) Ethyl Acetate	2.832	43	67422	2.158	ppbv	98
26) Hexane	2.826	57	30312	2.212	ppbv	99
27) Carbon Disulfide	2.149	76	30719	2.099	ppbv #	89
28) Methyl tert-Butyl Ether	2.441	73	16908	2.122	ppbv	99
29) Chloroform	2.845	83	47714	2.109	ppbv	94
30) Cyclohexane	3.855	84	24823	2.076	ppbv	92
31) cis-1,2-Dichloroethene	2.719	61	31047	2.104	ppbv	94
32) 1,1,1-Trichloroethane	3.363	97	48546	2.037	ppbv	98
34) 2-Butanone	2.557	43	45795	2.092	ppbv	99
35) Carbon Tetrachloride	3.761	117	50507	1.939	ppbv	95
36) Benzene	3.655	78	60020	2.032	ppbv	98
37) 1,2-Dichloroethane	3.214	62	37767	2.005	ppbv #	93
38) Trichloroethene	4.551	130	11213	0.780	ppbv	95
39) 1,2-Dichloropropane	4.315	63	22394	2.036	ppbv	96
40) 1,4-Dioxane	4.587	88	6117	1.207	ppbv #	26
41) Tetrahydrofuran	3.056	42	22526	2.013	ppbv	97
42) Bromodichloromethane	4.486	83	49877	2.023	ppbv	95
43) Methyl Methacrylate	4.878	69	23720	2.094	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	36470	0.749	ppbv #	12
45) t-1,3-Dichloropropene	6.409	75	16521	1.186	ppbv	97

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

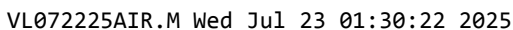
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 ClientSampleId :
 VSTDICC002

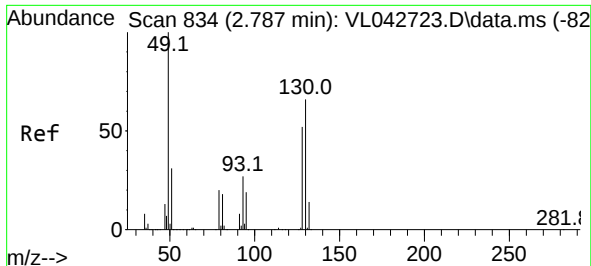
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jul 23 01:27:20 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	23832	1.440	ppbv	92
47) 1,1,2-Trichloroethane	6.584	97	24456	2.030	ppbv #	81
48) Dibromochloromethane	7.383	129	39455	1.970	ppbv	98
49) Bromoform	9.484	173	35458	2.041	ppbv	95
50) 4-Methyl-2-Pentanone	5.749	43	59229	2.056	ppbv	99
51) 2-Hexanone	7.435	43	46981	2.039	ppbv #	98
52) Tetrachloroethene	8.221	164	24130	2.027	ppbv	95
53) Toluene	6.933	91	69313	2.081	ppbv	100
54) 1,2-Dibromoethane	7.652	107	36140	2.007	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.927	131	31192	2.047	ppbv	95
57) Chlorobenzene	8.921	112	57715	2.141	ppbv #	94
58) Ethyl Benzene	9.354	91	100177	2.120	ppbv	93
59) m/p-Xylene	9.535	91	90225	2.383	ppbv #	46
60) o-Xylene	9.963	91	80565	2.111	ppbv	98
61) Styrene	9.869	104	34062	2.072	ppbv	97
62) Isopropylbenzene	10.539	105	121281	2.138	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.959	83	44263	2.029	ppbv	98
64) n-propylbenzene	10.989	120	30013	2.097	ppbv	97
65) tert-Butylbenzene	11.529	119	109751	2.162	ppbv	98
66) Benzyl Chloride	11.613	91	8963	1.858	ppbv #	96
67) sec-Butylbenzene	11.766	105	149105	2.138	ppbv	98
69) p-Isopropyltoluene	11.924	119	126075	2.158	ppbv	99
70) n-Butylbenzene	12.280	91	121157	2.170	ppbv	99
71) 2-Chlorotoluene	10.901	91	92375	2.148	ppbv	100
72) 4-Ethyltoluene	11.125	105	96669	2.124	ppbv	98
73) 1,3,5-Trimethylbenzene	11.202	105	79639	2.116	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	85886	2.080	ppbv #	86
75) 1,3-Dichlorobenzene	11.604	146	59294	2.147	ppbv	96
76) 1,4-Dichlorobenzene	11.672	146	57524	2.153	ppbv	98
77) 1,2-Dichlorobenzene	11.944	146	55352	2.091	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	57751	2.241	ppbv	100
79) Naphthalene	13.510	128	61412	1.995	ppbv	97
80) Naphthalene,2-methyl-	14.458	142	7143	0.705	ppbv	93
81) 1,2,4-Trichlorobenzene	13.439	180	39481	2.095	ppbv	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
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QLast Update : Wed Jul 23 01:27:20 2025
Response via : Initial Calibration

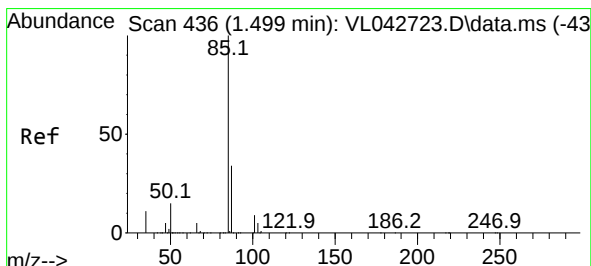
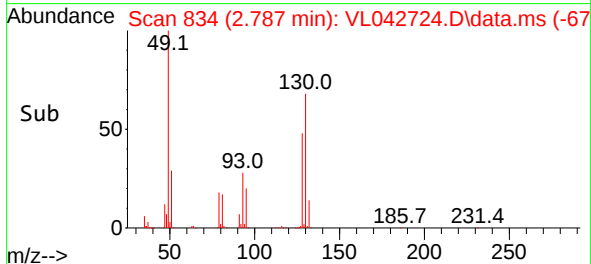
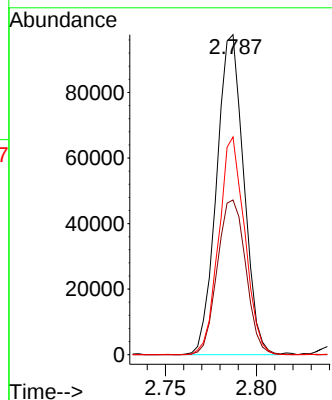
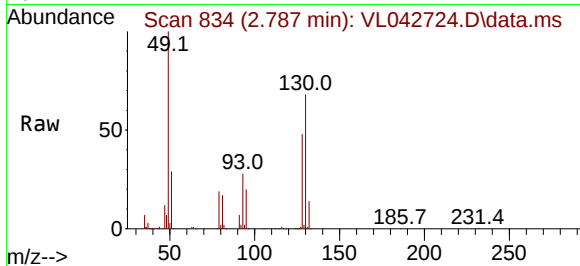




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

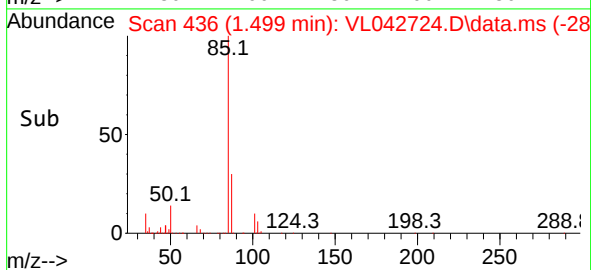
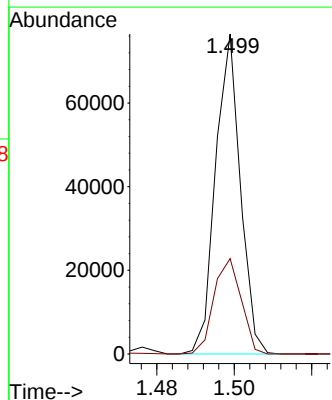
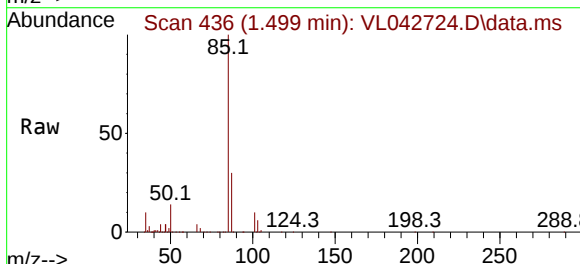
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

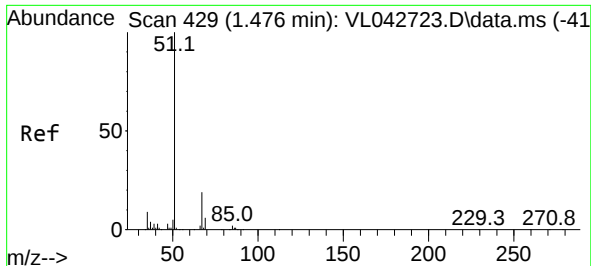
Tgt Ion: 49 Resp: 101102
Ion Ratio Lower Upper
49 100
128 50.6 24.5 73.5
130 65.1 31.7 95.1



#2
Dichlorodifluoromethane
Concen: 2.155 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 85 Resp: 34020
Ion Ratio Lower Upper
85 100
87 29.8 27.5 41.3

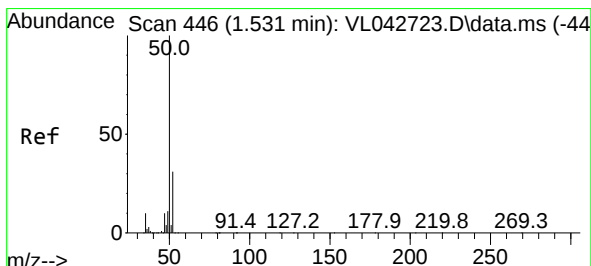
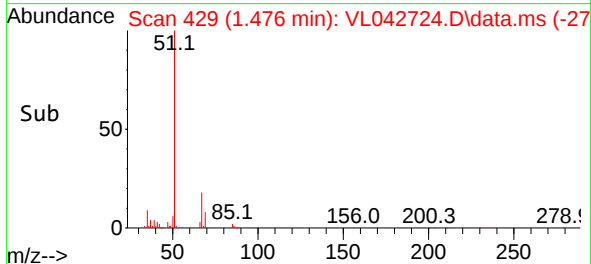
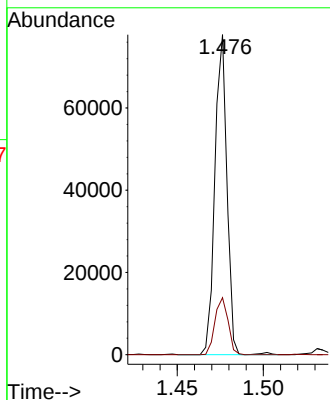
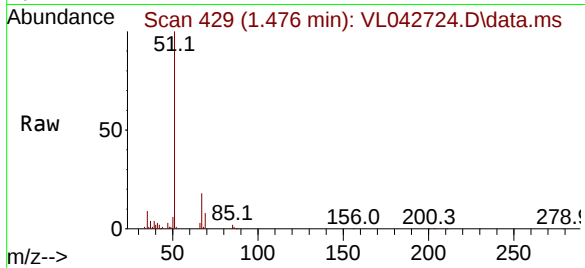




#3
Chlorodifluoromethane
Concen: 2.124 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

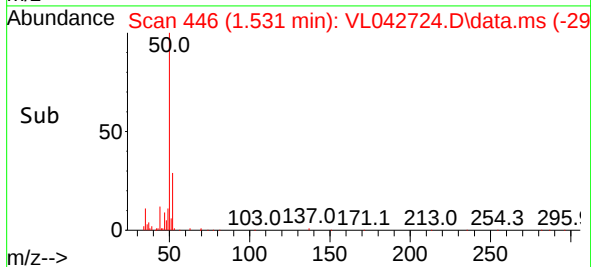
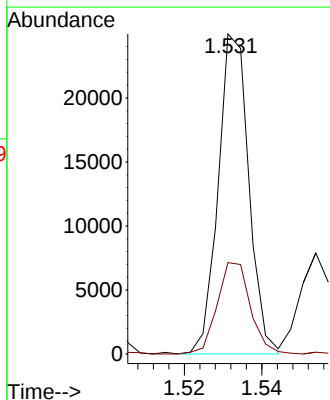
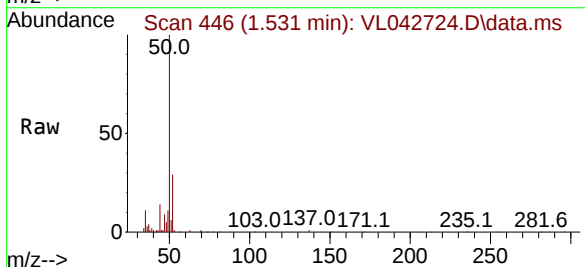
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

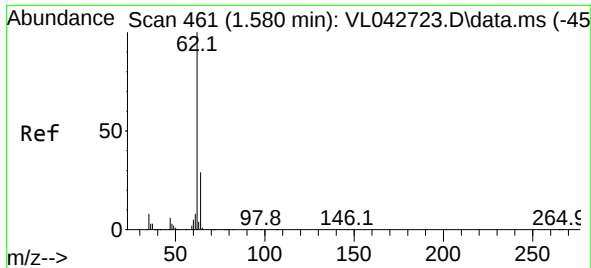
Tgt Ion: 51 Resp: 37949
Ion Ratio Lower Upper
51 100
67 19.4 16.0 24.0



#4
Chloromethane
Concen: 2.125 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 50 Resp: 13732
Ion Ratio Lower Upper
50 100
52 28.5 24.9 37.3

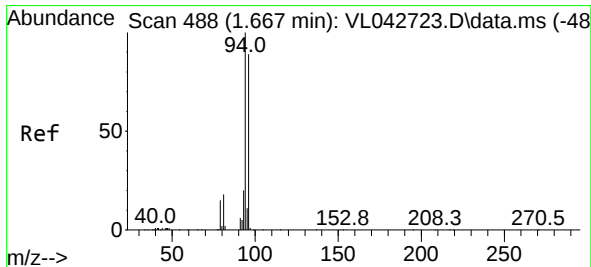
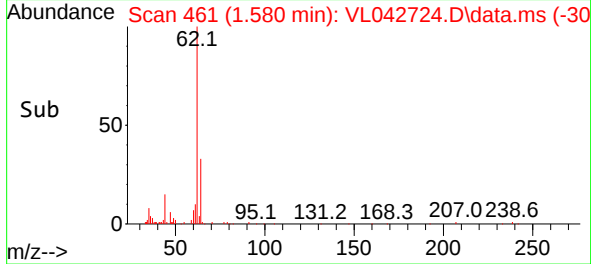
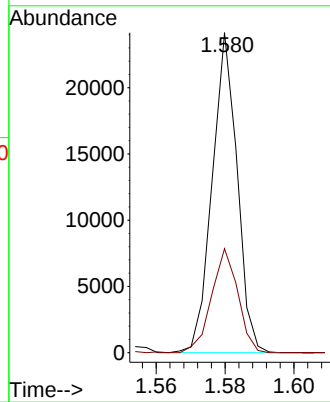
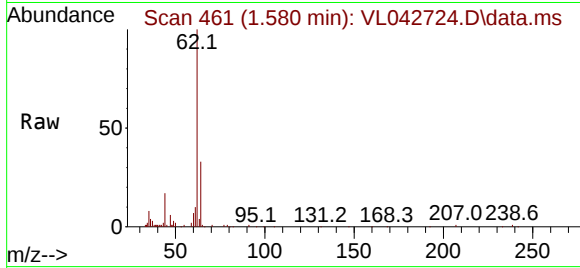




#5
 Vinyl Chloride
 Concen: 1.891 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

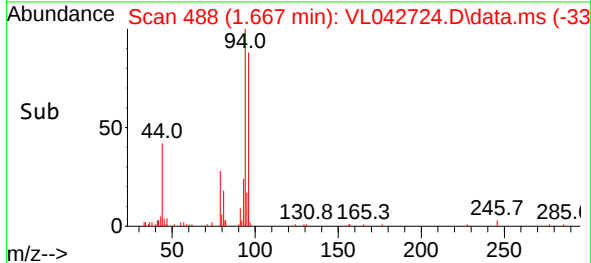
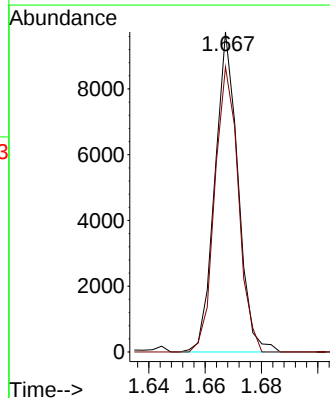
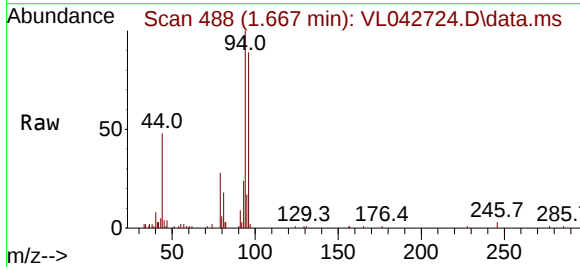
Instrument :
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 ClientSampleId :
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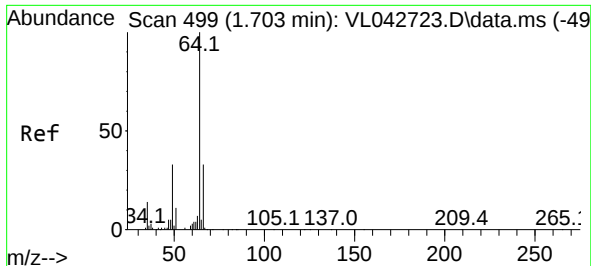
Tgt Ion: 62 Resp: 12070
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.0 34.6



#6
 Bromomethane
 Concen: 2.148 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Tgt Ion: 94 Resp: 5551
 Ion Ratio Lower Upper
 94 100
 96 89.0 71.1 106.7

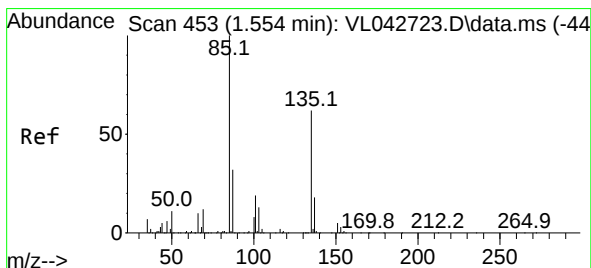
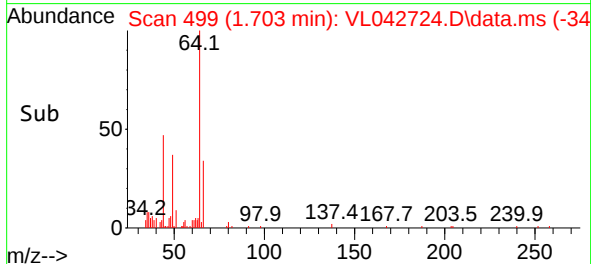
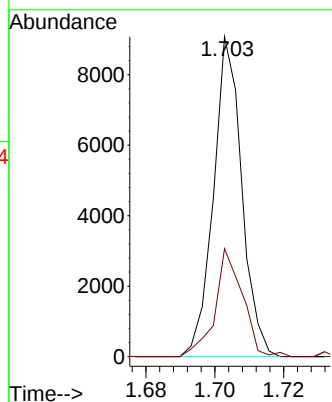
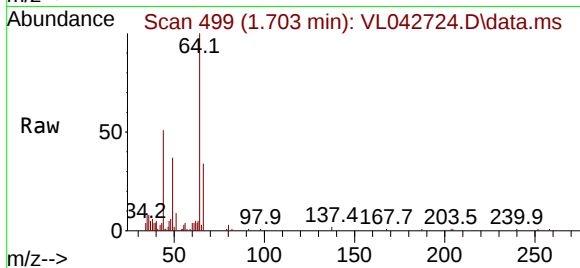




#7
Chloroethane
Concen: 2.138 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

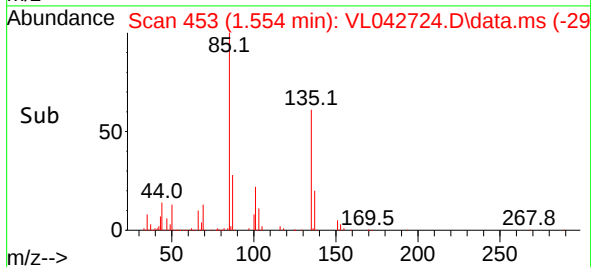
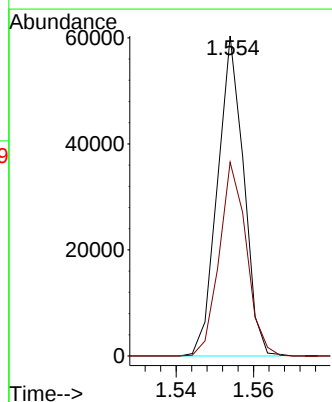
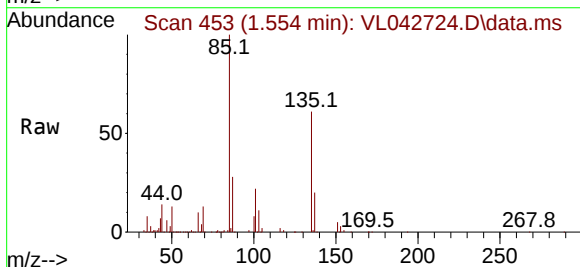
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ClientSampleId :
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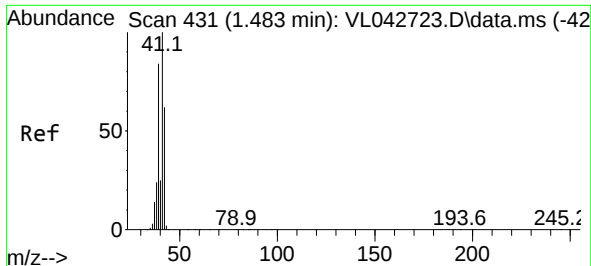
Tgt Ion: 64 Resp: 5191
Ion Ratio Lower Upper
64 100
66 33.8 26.4 39.6



#8
Dichlorotetrafluoroethane
Concen: 2.130 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 85 Resp: 28356
Ion Ratio Lower Upper
85 100
135 63.0 52.0 78.0





#9

Propene

Concen: 2.166 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

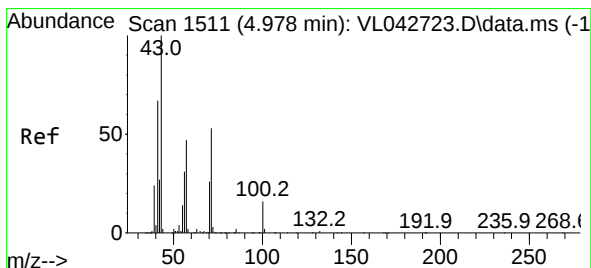
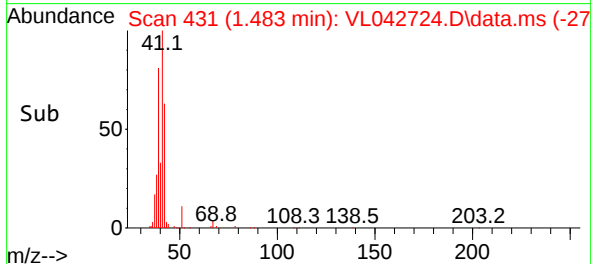
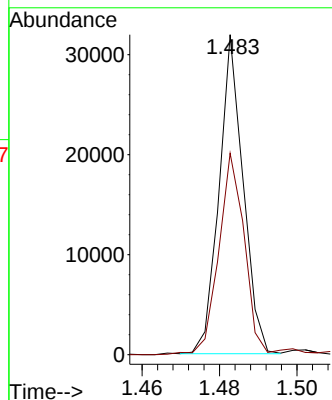
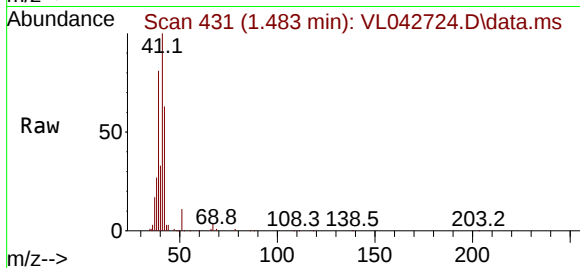
VSTDIC002

Tgt Ion: 41 Resp: 13758

Ion Ratio Lower Upper

41 100

42 70.4 52.0 78.0



#10

Heptane

Concen: 2.144 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. -0.003 min

Lab File: VL042724.D

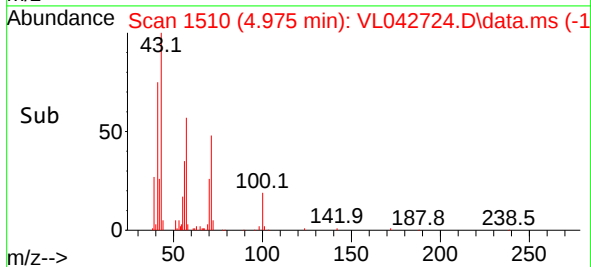
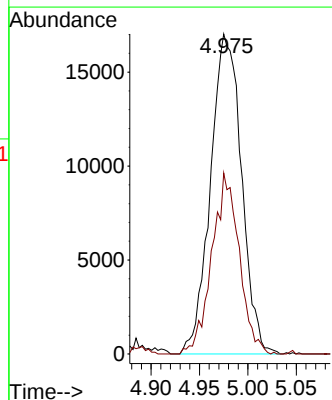
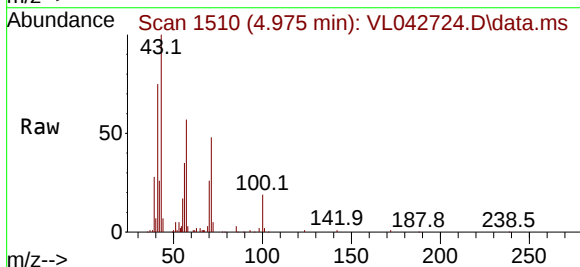
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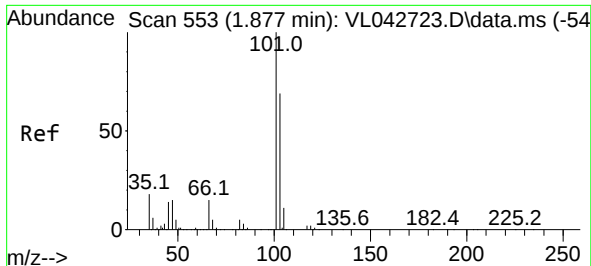
Tgt Ion: 43 Resp: 37947

Ion Ratio Lower Upper

43 100

57 49.7 39.1 58.7

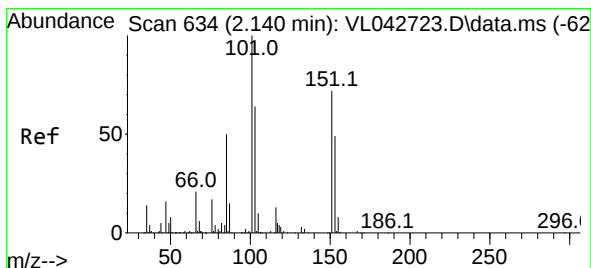
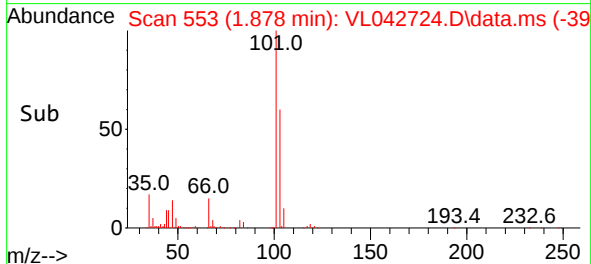
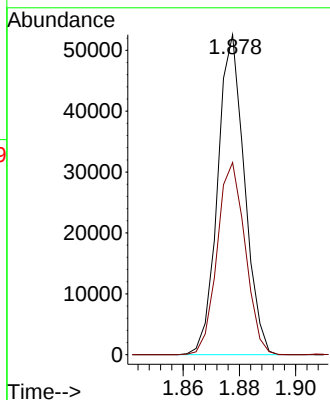
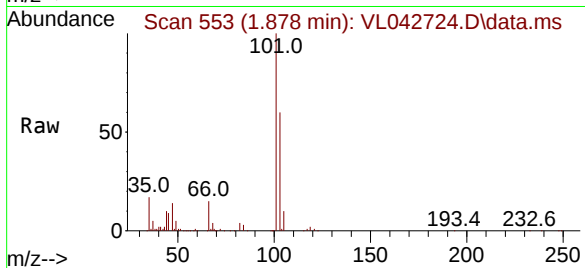




#11
 Trichlorofluoromethane
 Concen: 2.142 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

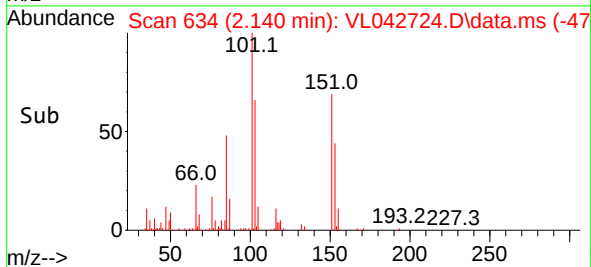
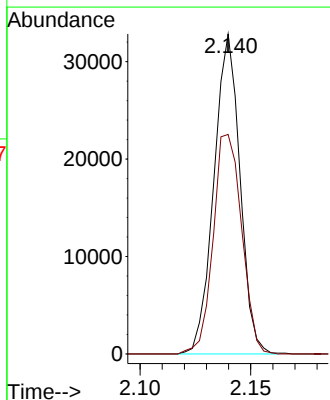
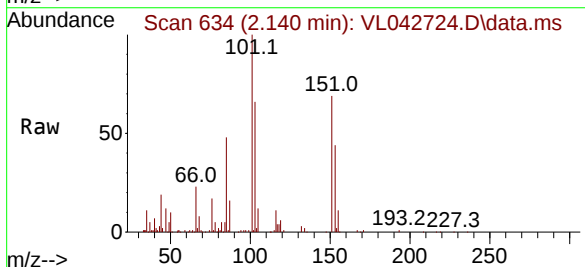
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

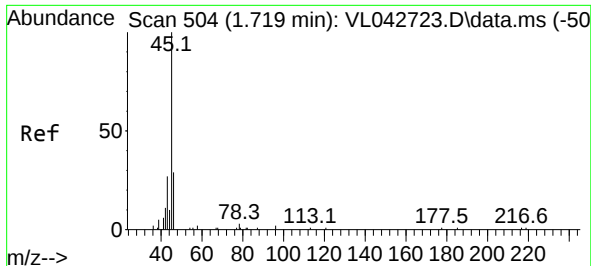
Tgt Ion:101 Resp: 34792
 Ion Ratio Lower Upper
 101 100
 103 60.1 55.2 82.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.116 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Tgt Ion:101 Resp: 26888
 Ion Ratio Lower Upper
 101 100
 151 75.0 59.1 88.7

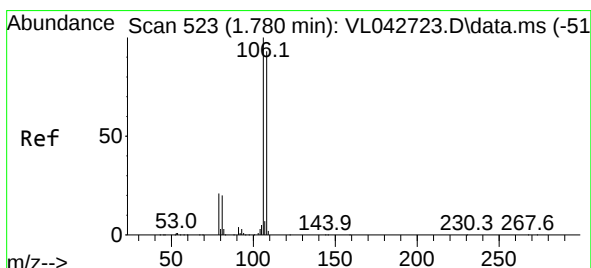
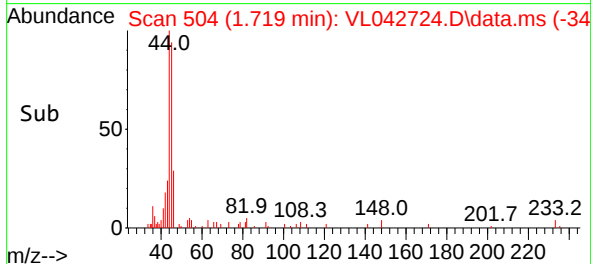
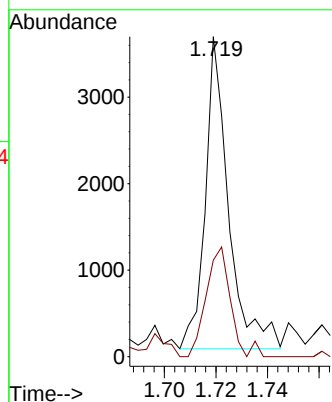
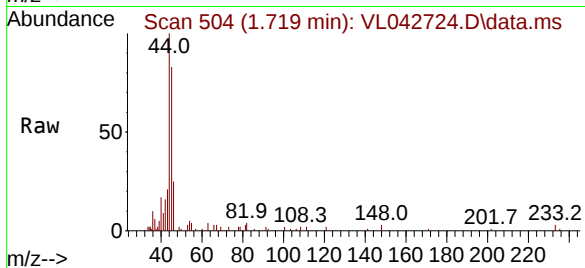




#13
Ethanol
Concen: 2.213 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

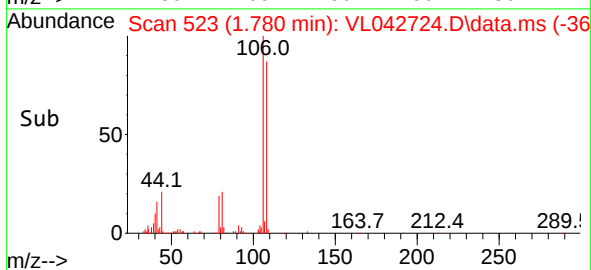
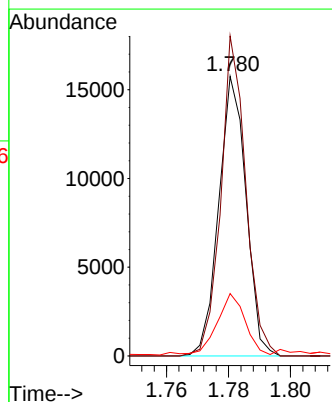
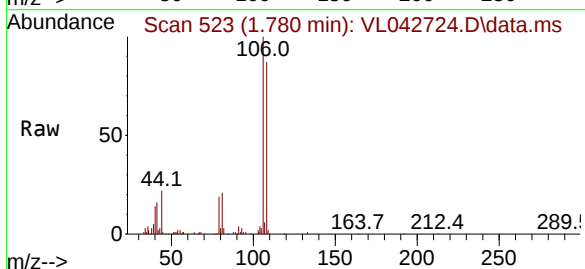
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

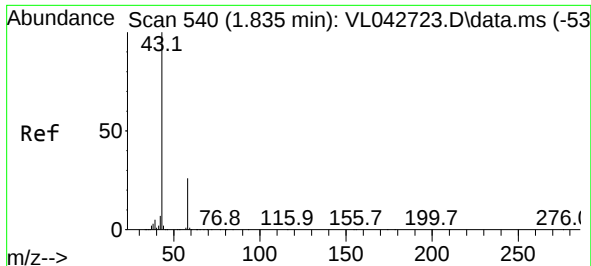
Tgt Ion: 45 Resp: 2261
Ion Ratio Lower Upper
45 100
46 41.6 16.3 65.1



#14
Bromoethene
Concen: 2.125 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 108 Resp: 9630
Ion Ratio Lower Upper
108 100
106 104.6 85.4 128.0
79 28.9 17.4 26.2

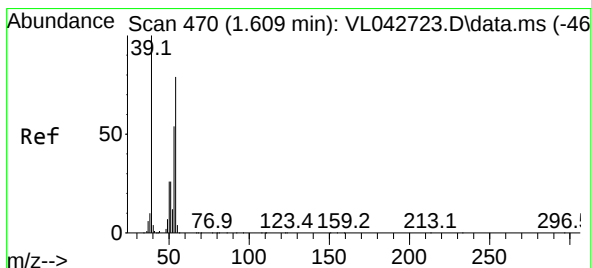
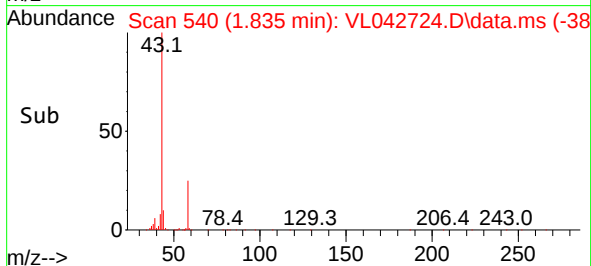
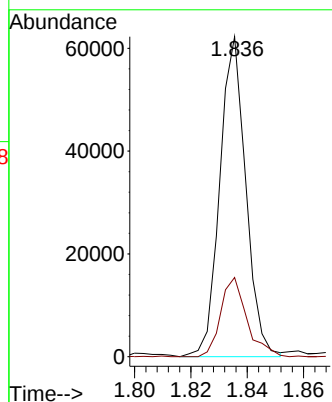
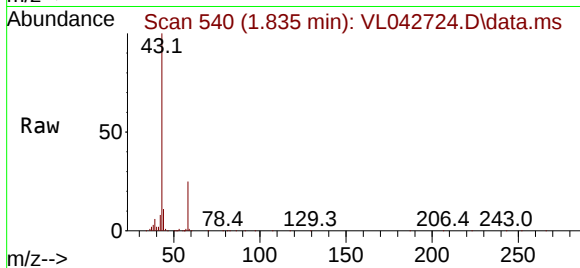




#15
Acetone
Concen: 2.360 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

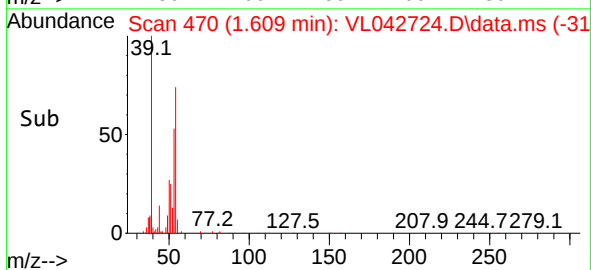
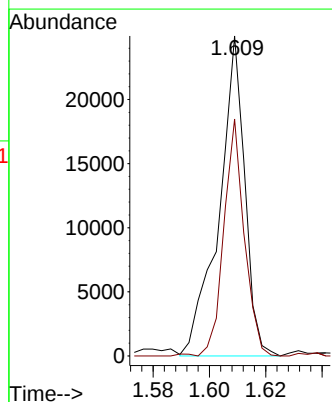
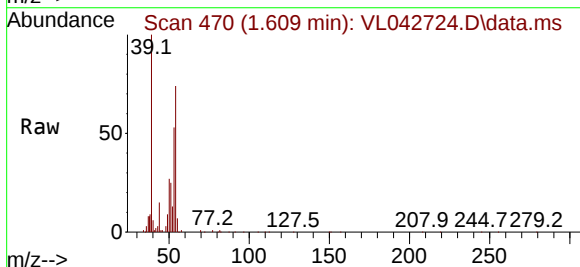
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

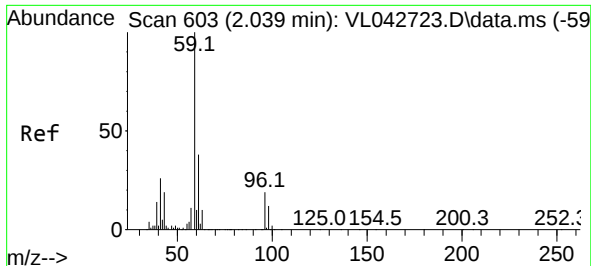
Tgt Ion: 43 Resp: 39947
Ion Ratio Lower Upper
43 100
58 25.1 20.5 30.7



#16
1,3-Butadiene
Concen: 2.193 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 39 Resp: 15901
Ion Ratio Lower Upper
39 100
54 59.9 54.6 82.0

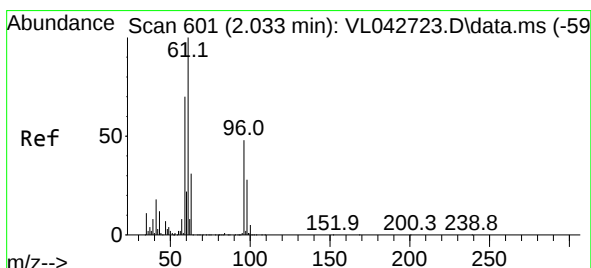
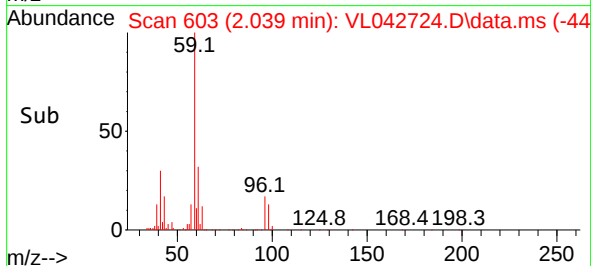
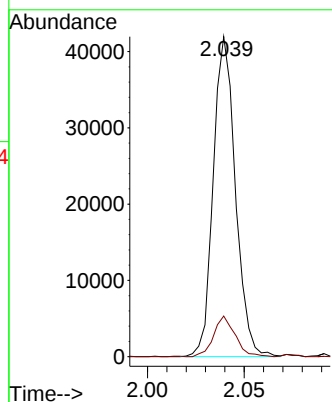
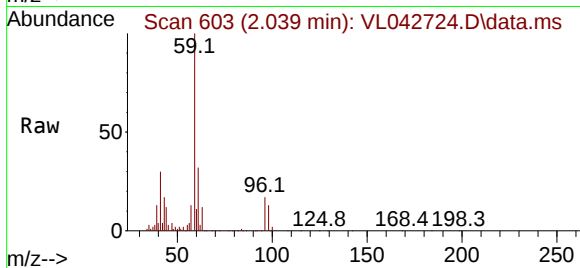




#17
tert-Butyl alcohol
Concen: 2.079 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

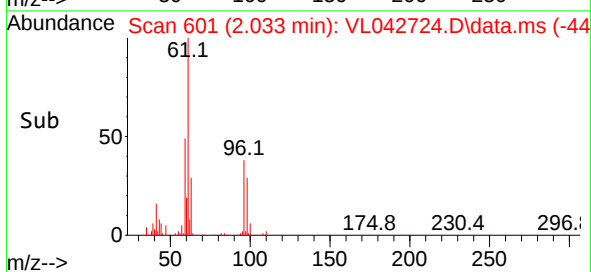
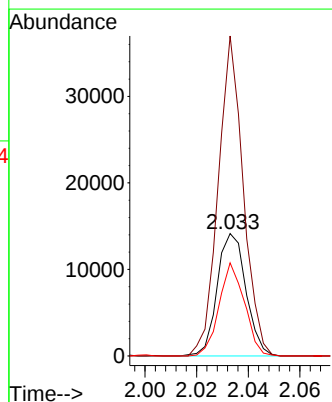
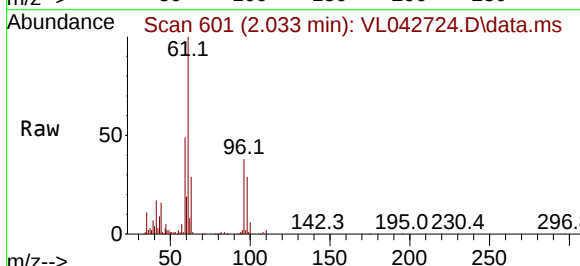
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

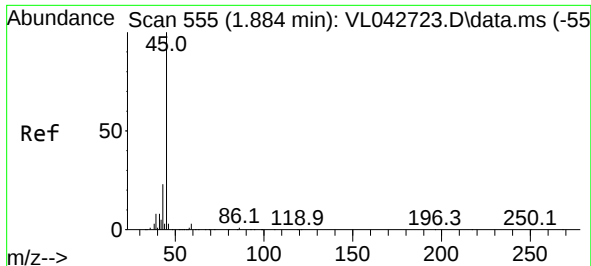
Tgt Ion: 59 Resp: 33425
Ion Ratio Lower Upper
59 100
57 12.8 9.1 13.7



#18
1,1-Dichloroethene
Concen: 2.025 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 96 Resp: 10946
Ion Ratio Lower Upper
96 100
61 261.4 166.2 249.4#
98 76.1 46.1 69.1#





#19

Isopropyl Alcohol

Concen: 2.030 ppbv

RT: 1.884 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

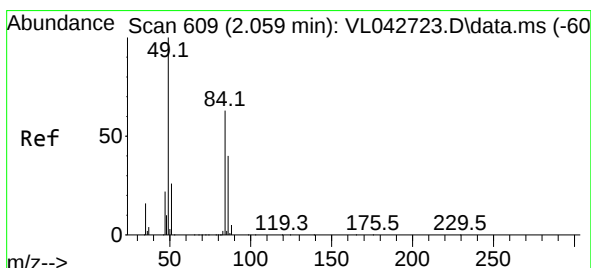
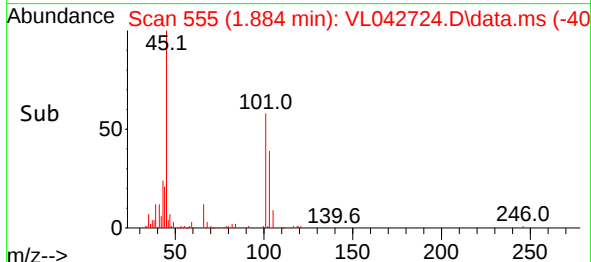
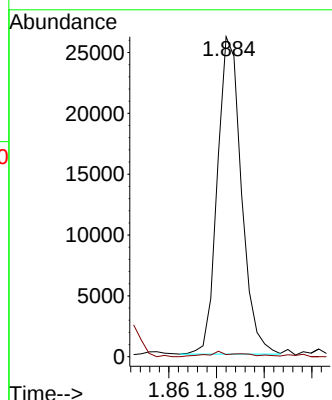
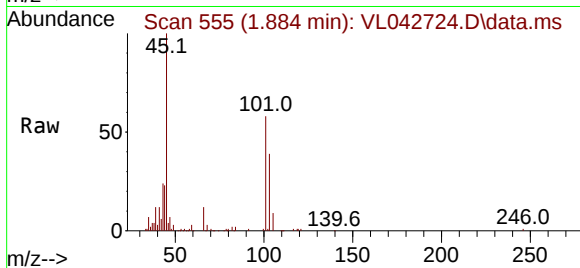
VSTDICC002

Tgt Ion: 45 Resp: 18210

Ion Ratio Lower Upper

45 100

58 55.0 30.6 46.0#



#20

Methylene Chloride

Concen: 2.092 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion: 84 Resp: 11131

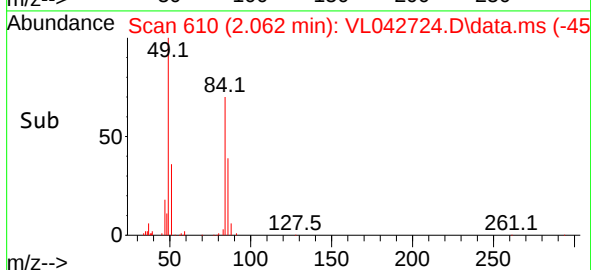
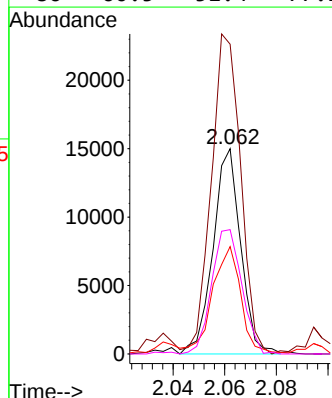
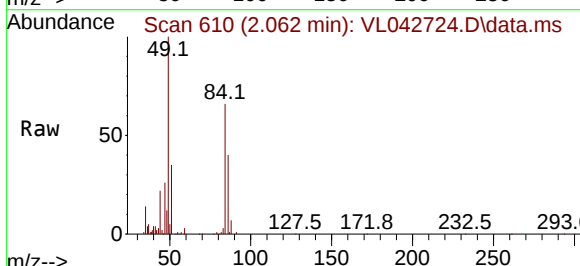
Ion Ratio Lower Upper

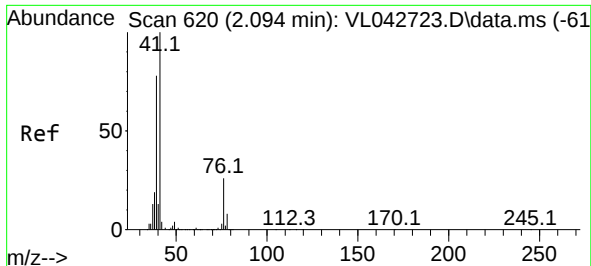
84 100

49 149.3 128.2 192.4

51 51.6 34.5 51.7

86 60.5 51.4 77.2

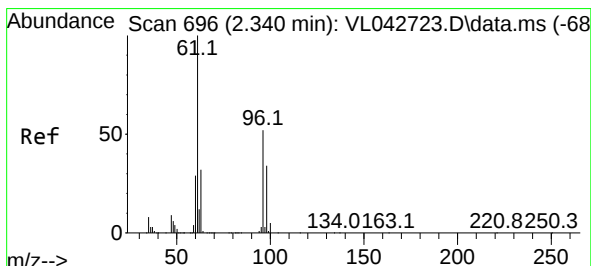
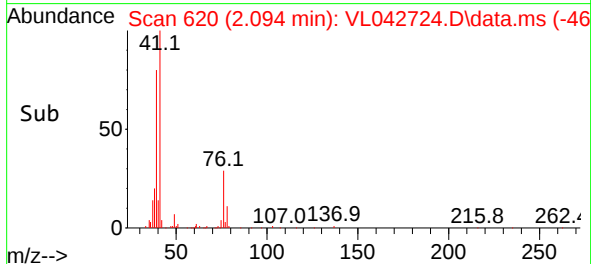
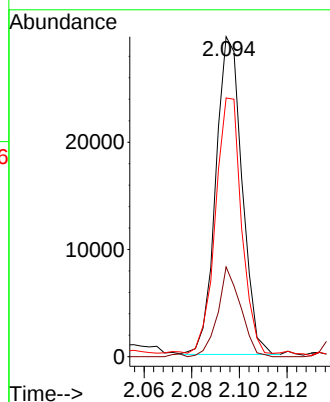
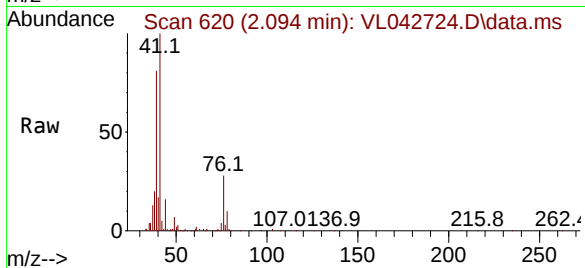




#21
 Allyl Chloride
 Concen: 2.089 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

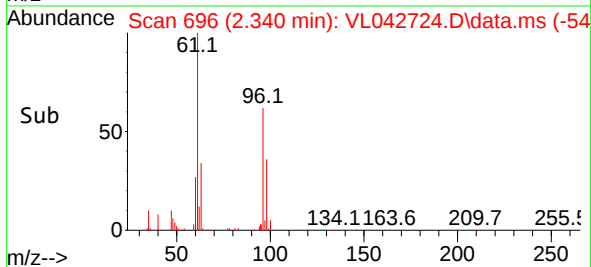
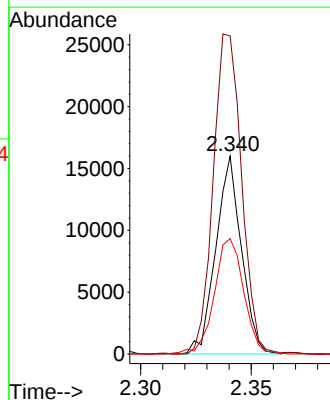
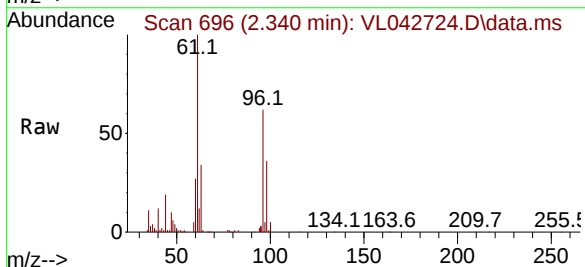
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

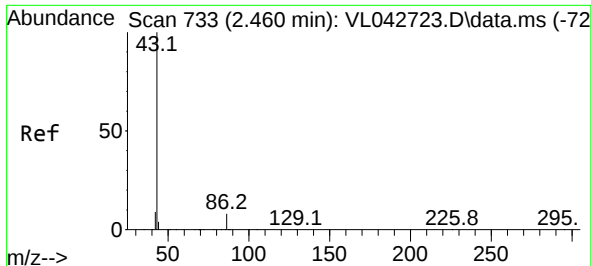
Tgt Ion:	41	Resp:	22673
Ion	Ratio	Lower	Upper
41	100		
76	24.9	22.1	33.1
39	83.3	64.7	97.1



#22
 trans-1,2-Dichloroethene
 Concen: 2.068 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Tgt Ion:	96	Resp:	12861
Ion	Ratio	Lower	Upper
96	100		
61	160.8	154.6	232.0
98	57.8	53.1	79.7



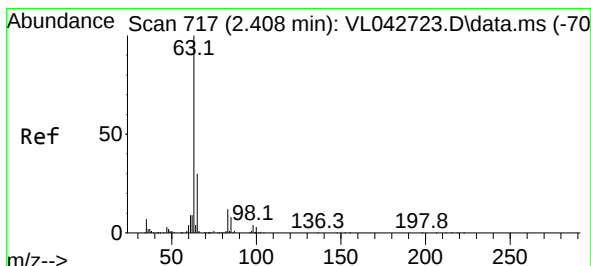
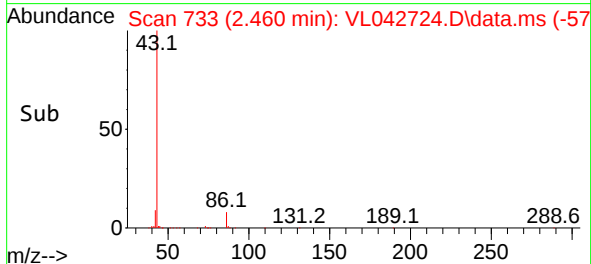
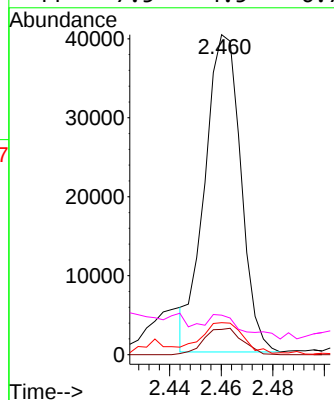
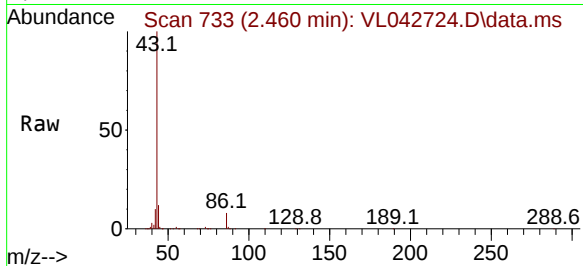


#23
 Vinyl Acetate
 Concen: 2.023 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

Tgt Ion: 43 Resp: 39040

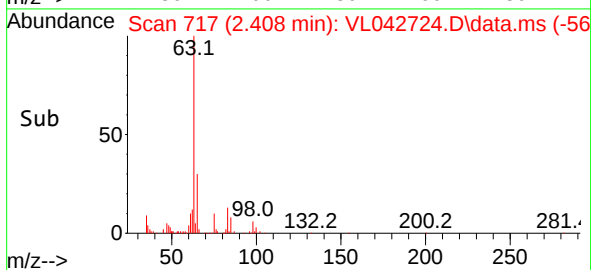
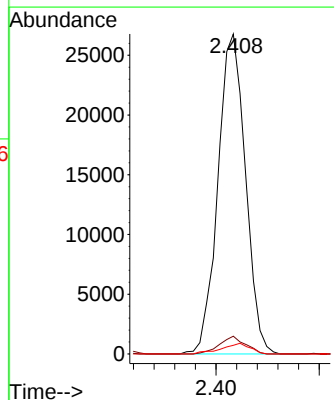
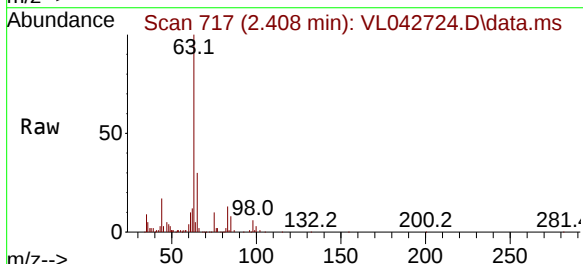
Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.7	8.5
42	8.6	7.9	11.9
44	7.5	4.5	6.7

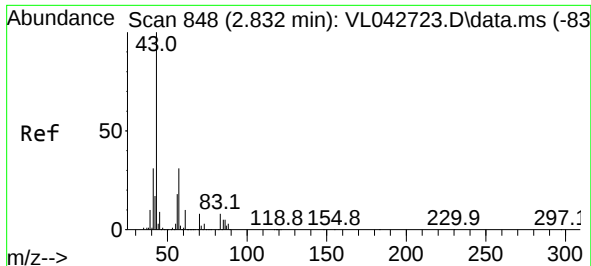


#24
 1,1-Dichloroethane
 Concen: 2.001 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Tgt Ion: 63 Resp: 24816

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.0	5.8
100	2.7	1.6	4.7





#25

Ethyl Acetate

Concen: 2.158 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 67422

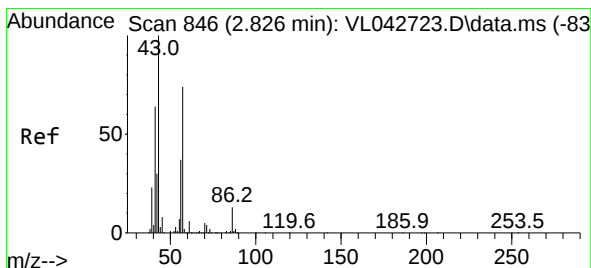
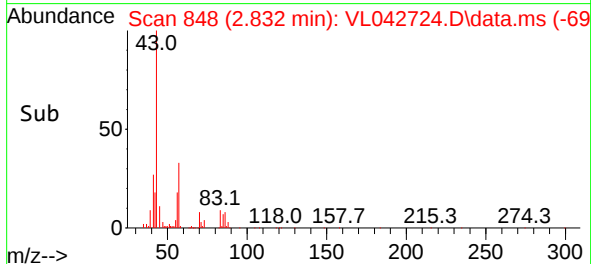
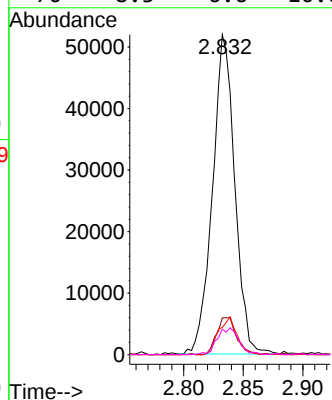
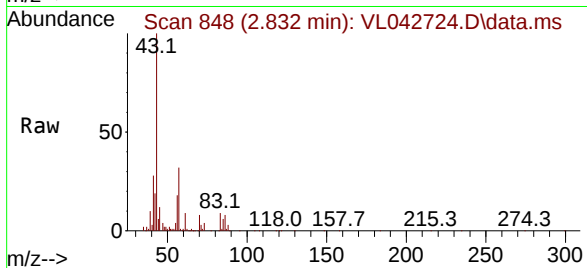
Ion Ratio Lower Upper

43 100

45 10.4 7.8 11.6

61 9.9 7.0 10.6

70 8.3 6.6 10.0



#26

Hexane

Concen: 2.212 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion: 57 Resp: 30312

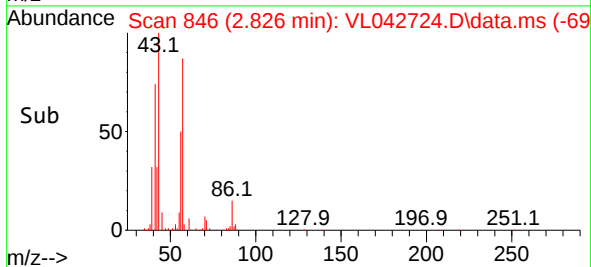
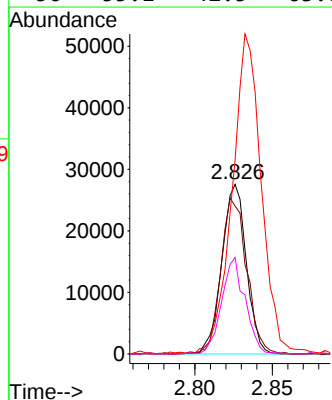
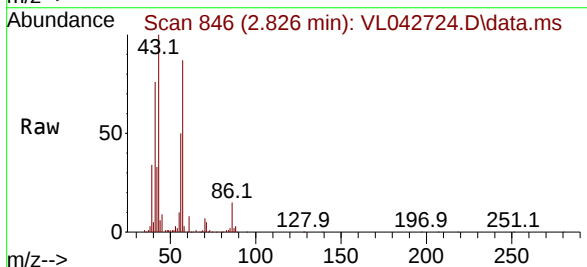
Ion Ratio Lower Upper

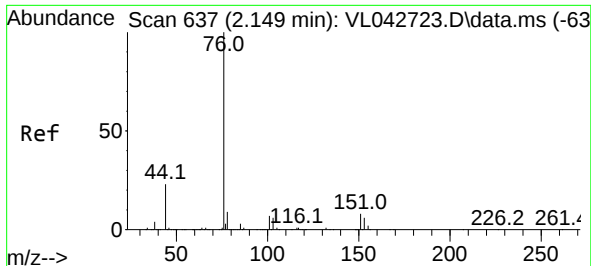
57 100

41 98.0 77.3 115.9

43 227.3 182.3 273.5

56 55.1 42.5 63.7





#27

Carbon Disulfide

Concen: 2.099 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

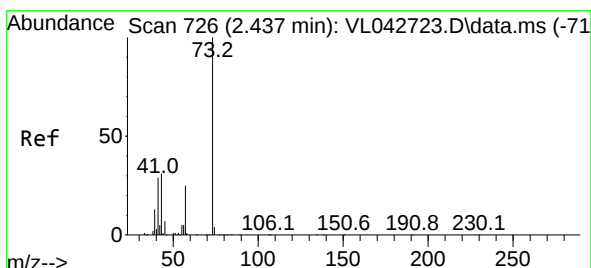
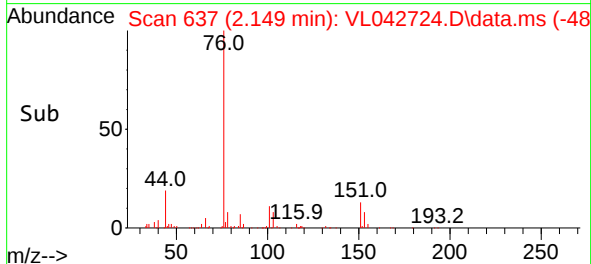
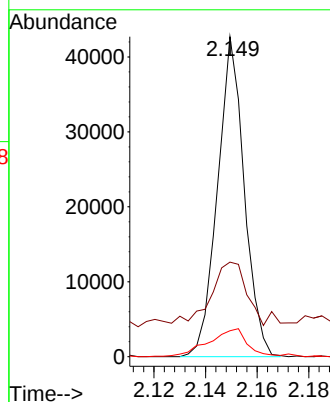
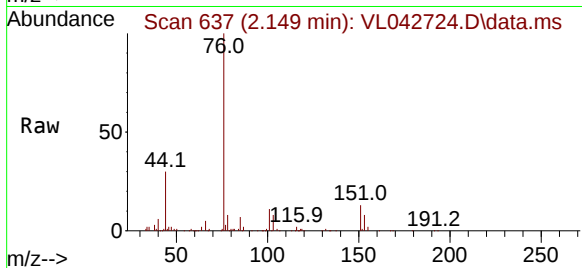
Tgt Ion: 76 Resp: 30719

Ion Ratio Lower Upper

76 100

44 30.9 18.8 28.2#

78 13.1 9.5 14.3



#28

Methyl tert-Butyl Ether

Concen: 2.122 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.003 min

Lab File: VL042724.D

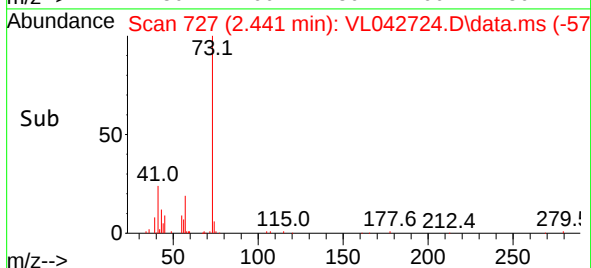
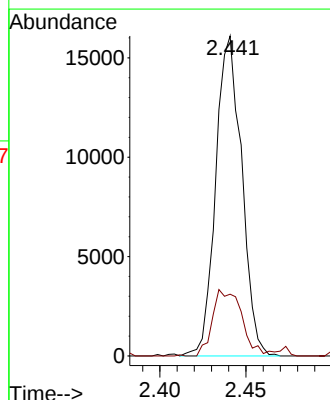
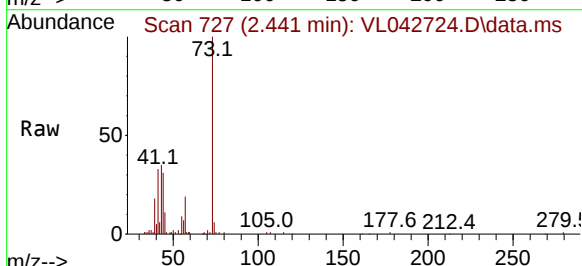
Acq: 22 Jul 2025 09:30

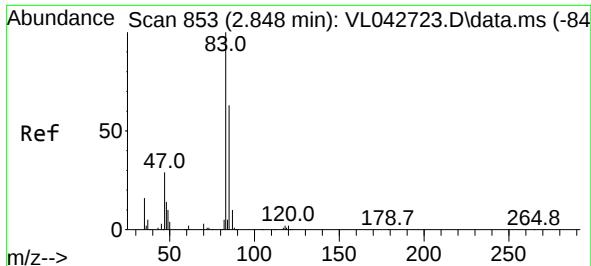
Tgt Ion: 73 Resp: 16908

Ion Ratio Lower Upper

73 100

57 24.5 19.8 29.8





#29

Chloroform

Concen: 2.109 ppbv

RT: 2.845 min Scan# 853

Delta R.T. -0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

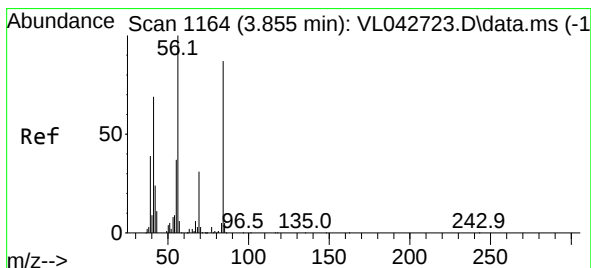
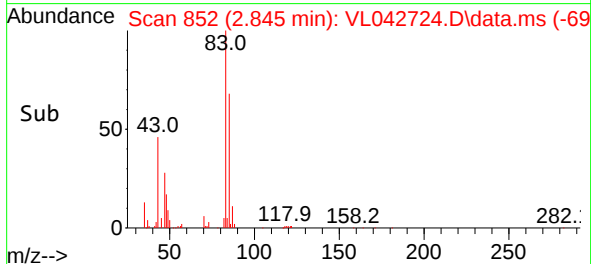
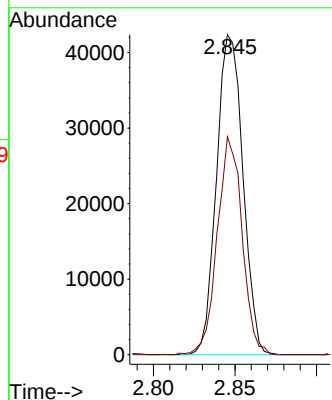
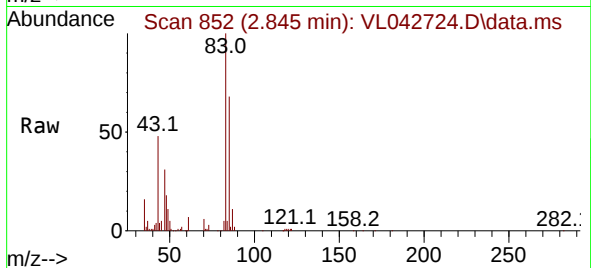
VSTDICC002

Tgt Ion: 83 Resp: 47714

Ion Ratio Lower Upper

83 100

85 68.1 50.9 76.3



#30

Cyclohexane

Concen: 2.076 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

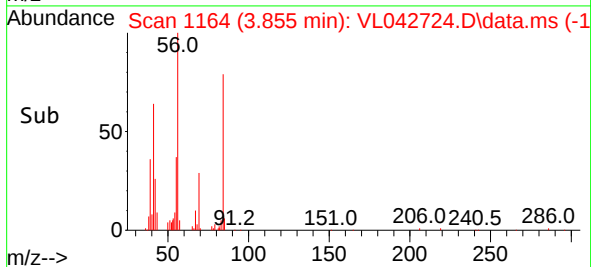
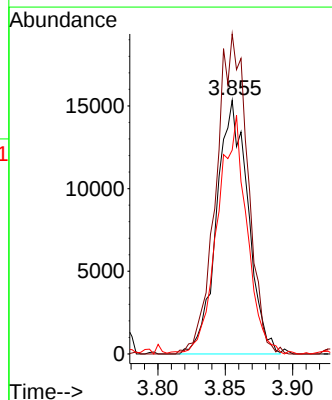
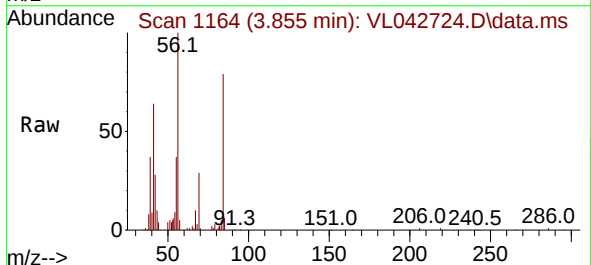
Tgt Ion: 84 Resp: 24823

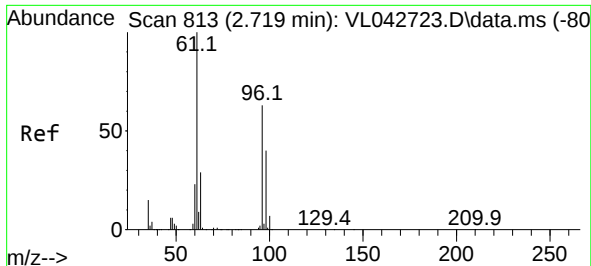
Ion Ratio Lower Upper

84 100

56 128.0 94.2 141.4

41 88.3 66.4 99.6

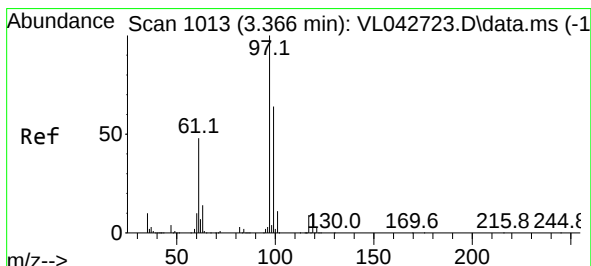
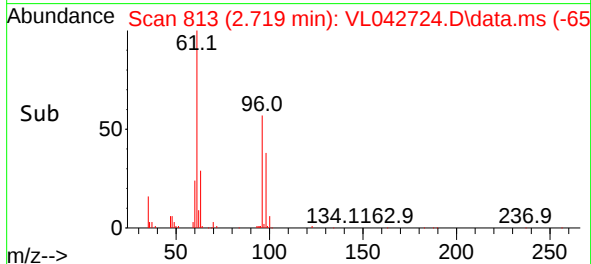
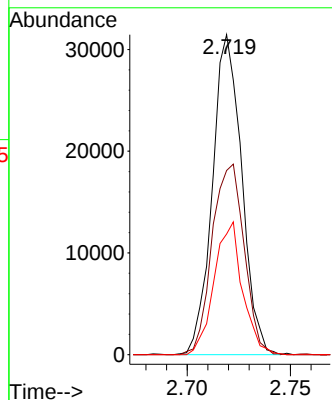
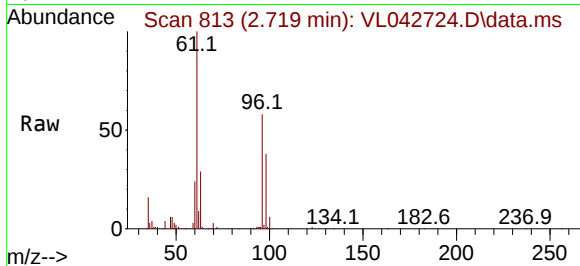




#31
 cis-1,2-Dichloroethene
 Concen: 2.104 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

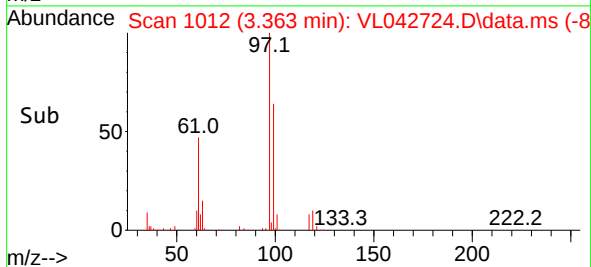
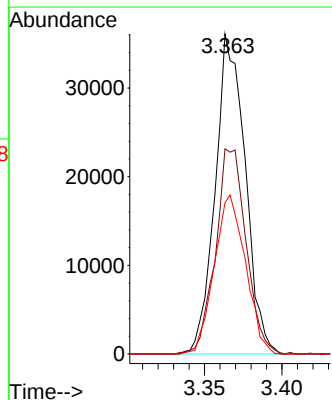
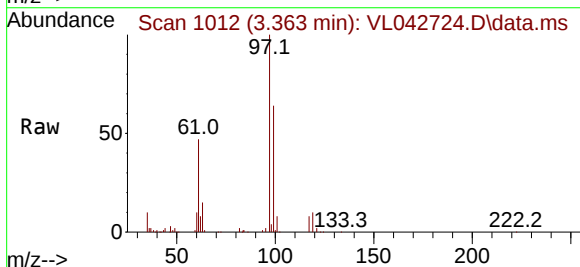
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

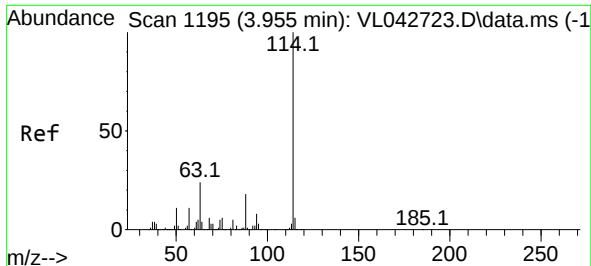
Tgt Ion: 61 Resp: 31047
 Ion Ratio Lower Upper
 61 100
 96 57.5 50.6 75.8
 98 37.7 32.2 48.2



#32
 1,1,1-Trichloroethane
 Concen: 2.037 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Tgt Ion: 97 Resp: 48546
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.4 77.0
 61 51.8 39.6 59.4

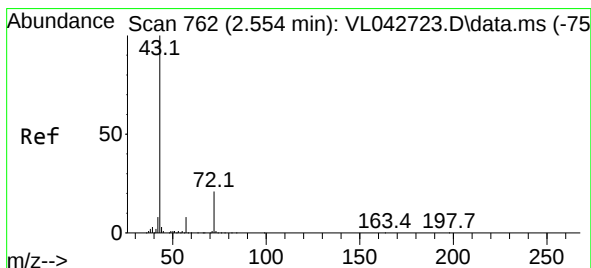
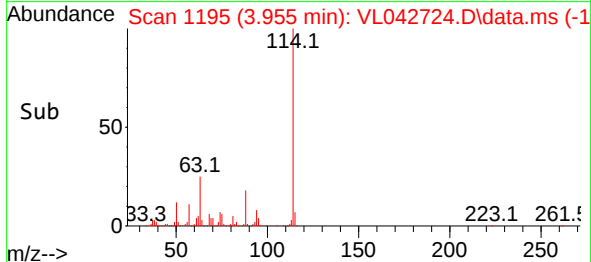
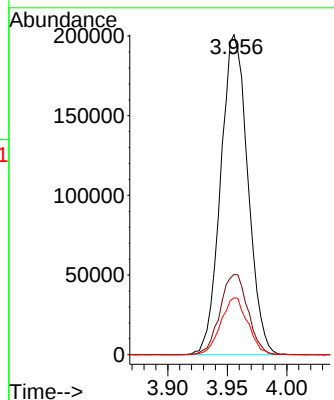
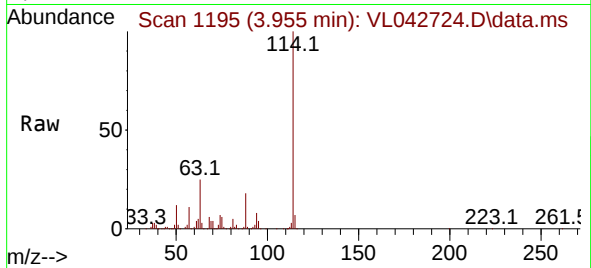




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

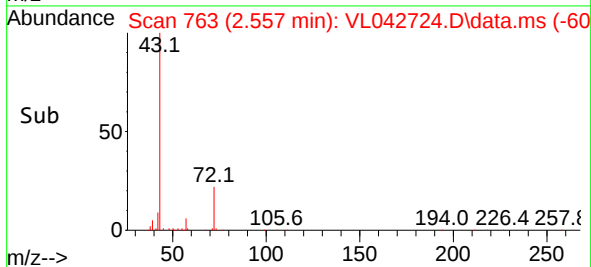
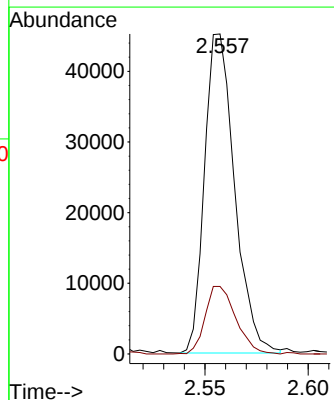
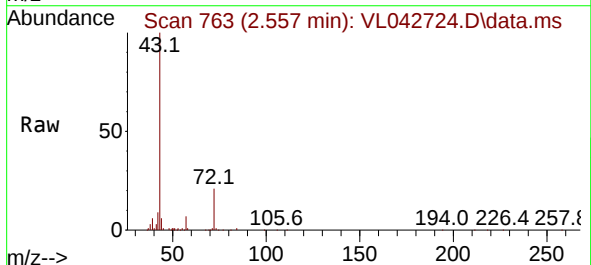
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

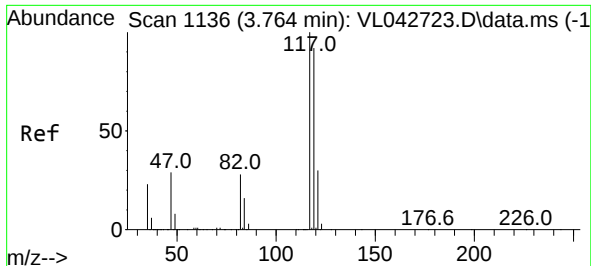
Tgt Ion:114 Resp: 317924
Ion Ratio Lower Upper
114 100
63 25.7 20.4 30.6
88 17.7 14.5 21.7



#34
2-Butanone
Concen: 2.092 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 43 Resp: 45795
Ion Ratio Lower Upper
43 100
72 21.6 17.0 25.6

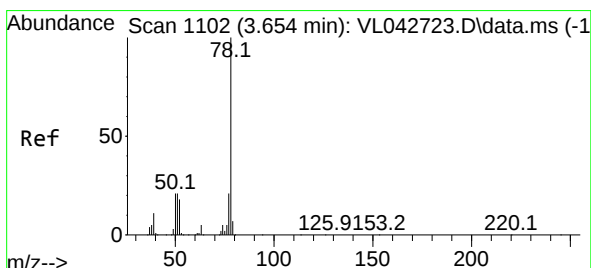
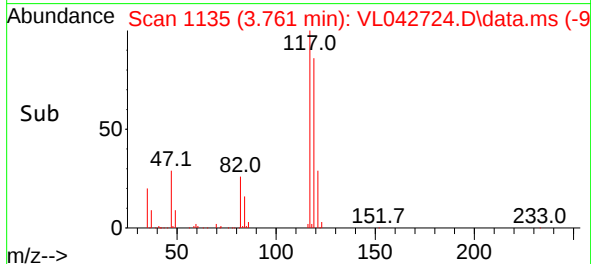
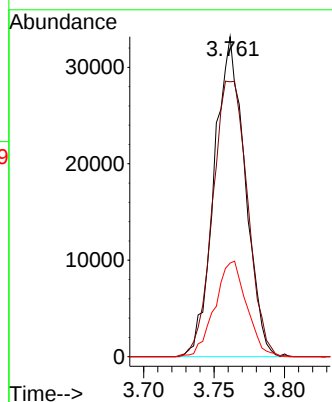
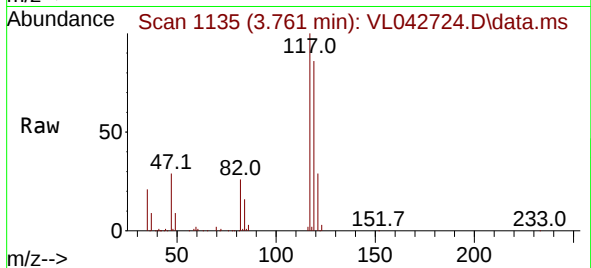




#35
Carbon Tetrachloride
Concen: 1.939 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. -0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

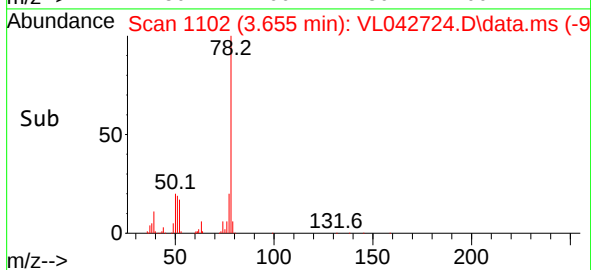
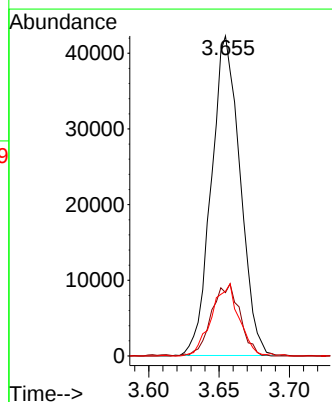
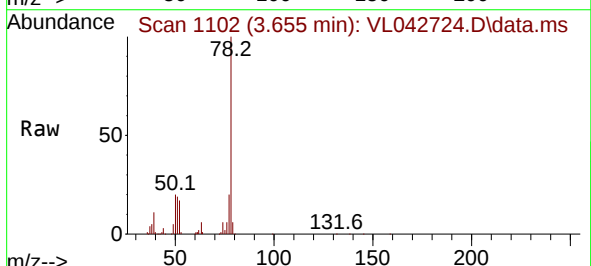
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

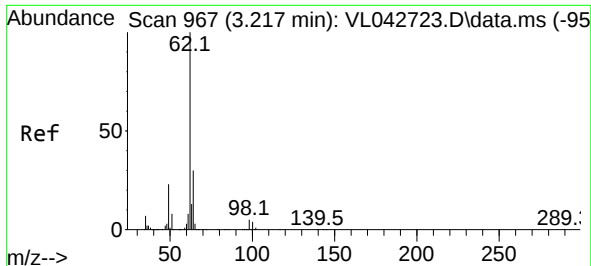
Tgt Ion:117 Resp: 50507
Ion Ratio Lower Upper
117 100
119 85.9 73.7 110.5
121 29.1 23.8 35.8



#36
Benzene
Concen: 2.032 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 78 Resp: 60020
Ion Ratio Lower Upper
78 100
77 19.8 17.0 25.4
50 20.2 16.9 25.3





#37

1,2-Dichloroethane

Concen: 2.005 ppbv

RT: 3.214 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

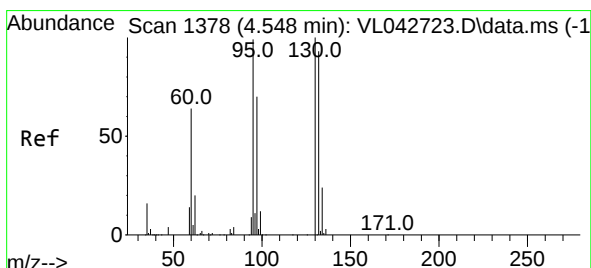
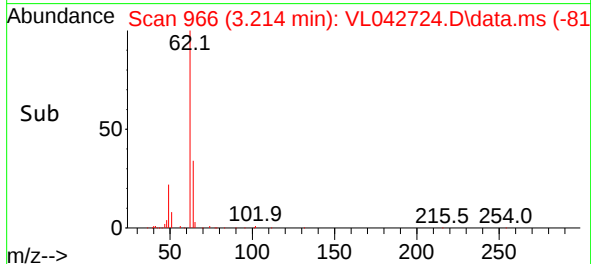
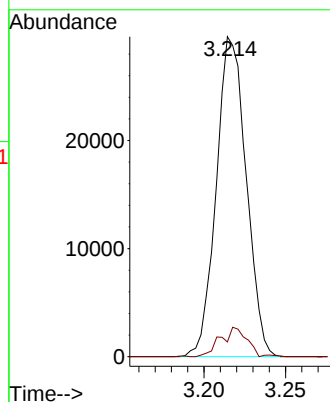
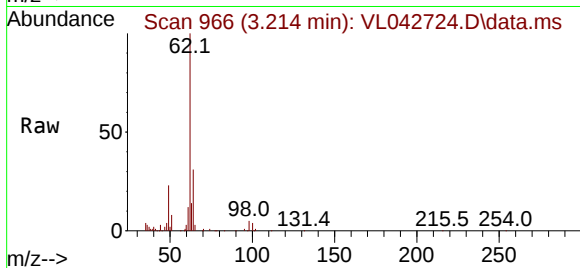
VSTDIC002

Tgt Ion: 62 Resp: 37767

Ion Ratio Lower Upper

62 100

98 8.3 4.8 7.2#



#38

Trichloroethene

Concen: 0.780 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion:130 Resp: 11213

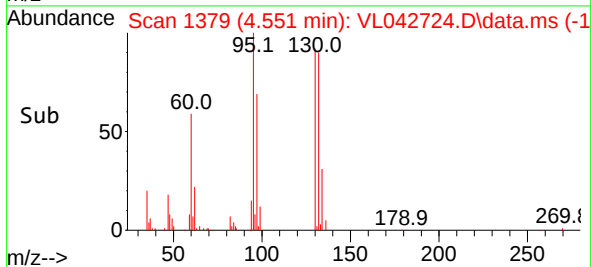
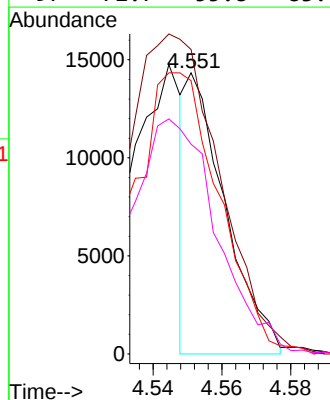
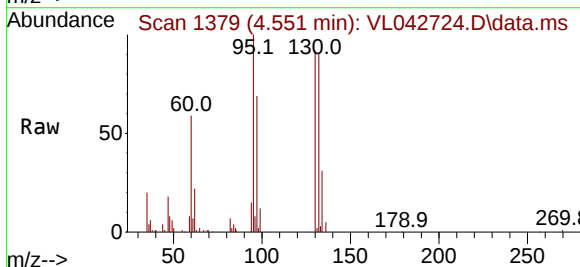
Ion Ratio Lower Upper

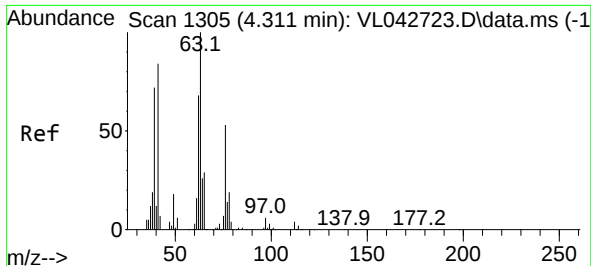
130 100

95 104.5 79.2 118.8

132 96.6 74.1 111.1

97 72.7 55.8 83.6





#39

1,2-Dichloropropane

Concen: 2.036 ppbv

RT: 4.315 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

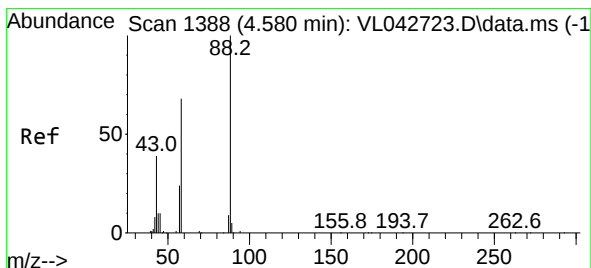
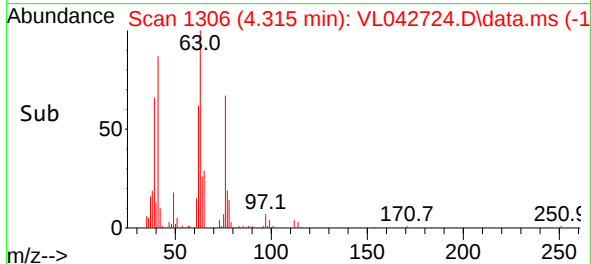
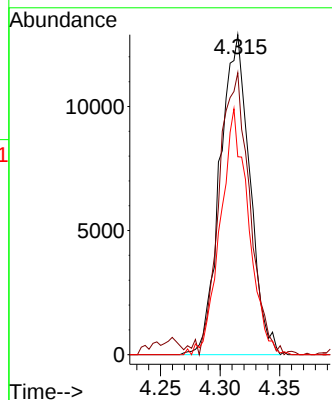
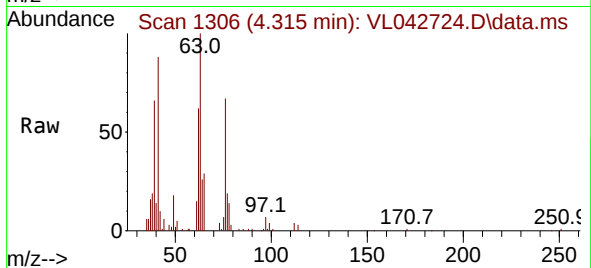
Tgt Ion: 63 Resp: 22394

Ion Ratio Lower Upper

63 100

41 85.3 67.7 101.5

62 61.9 54.1 81.1



#40

1,4-Dioxane

Concen: 1.207 ppbv

RT: 4.587 min Scan# 1390

Delta R.T. 0.007 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion: 88 Resp: 6117

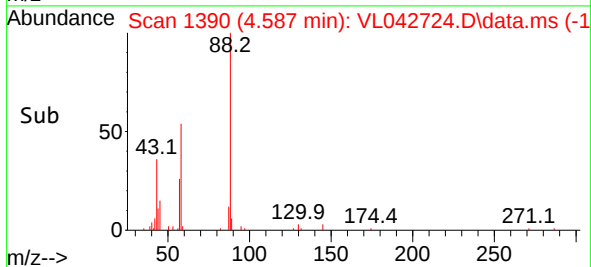
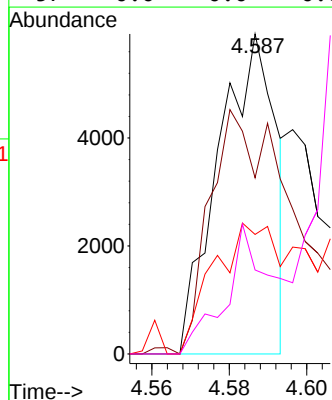
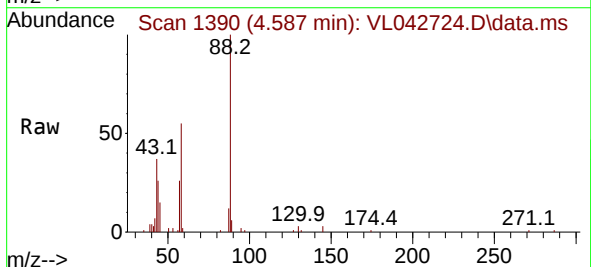
Ion Ratio Lower Upper

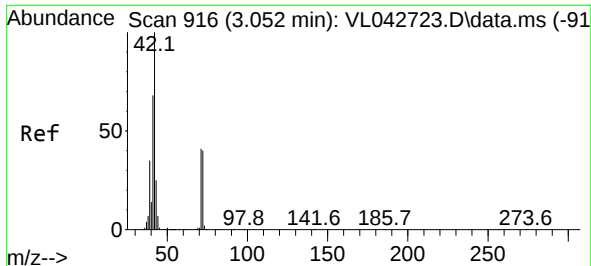
88 100

58 141.4 59.8 89.8#

43 0.0 32.6 48.8#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 2.013 ppbv

RT: 3.056 min Scan# 916

Delta R.T. 0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

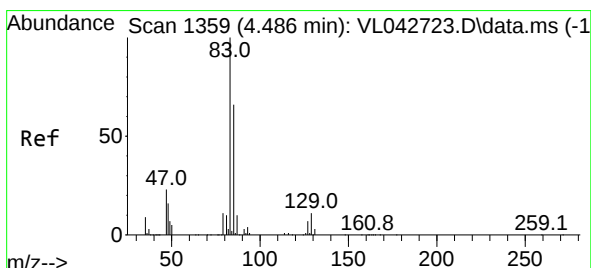
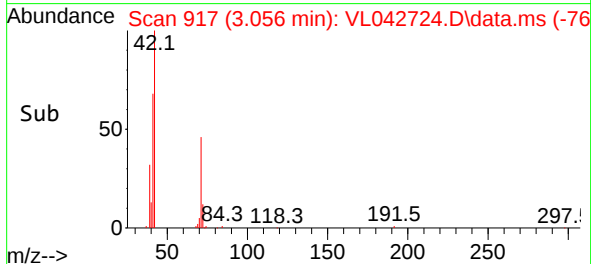
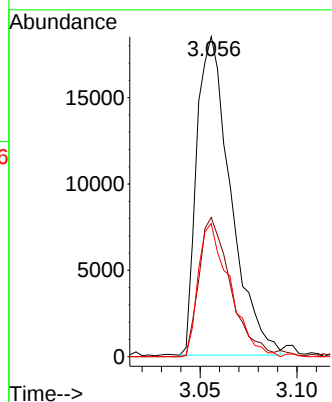
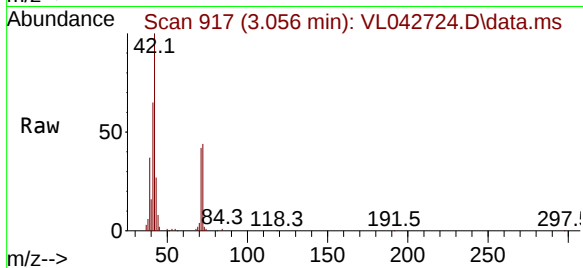
Tgt Ion: 42 Resp: 22526

Ion Ratio Lower Upper

42 100

72 42.1 32.2 48.2

71 39.3 29.8 44.6



#42

Bromodichloromethane

Concen: 2.023 ppbv

RT: 4.486 min Scan# 1359

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

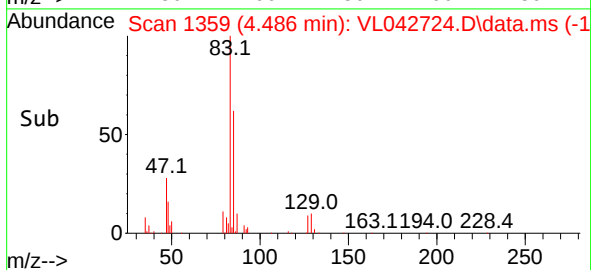
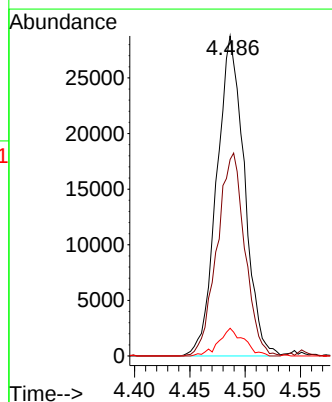
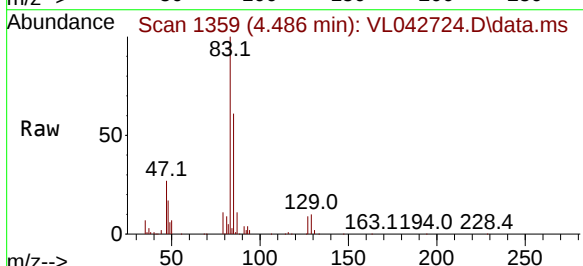
Tgt Ion: 83 Resp: 49877

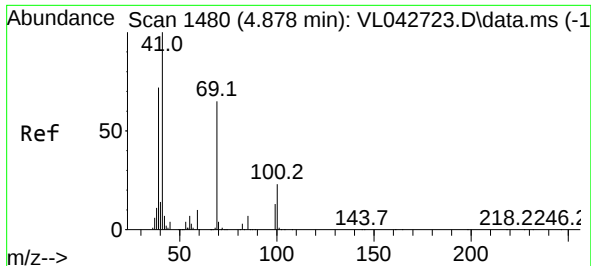
Ion Ratio Lower Upper

83 100

85 61.4 52.6 78.8

127 8.7 6.0 9.0

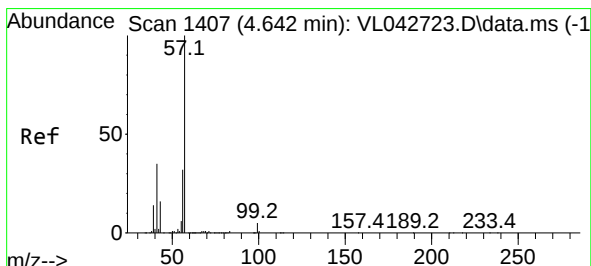
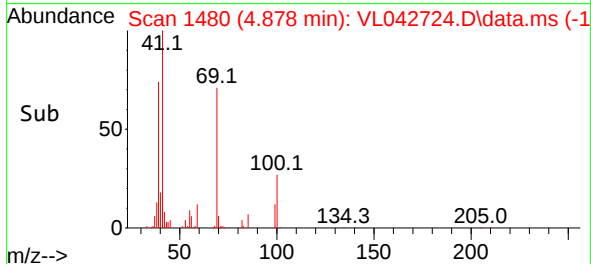
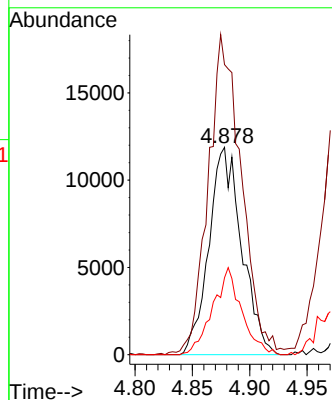
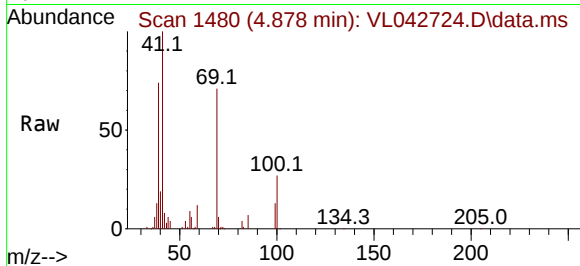




#43
Methyl Methacrylate
Concen: 2.094 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

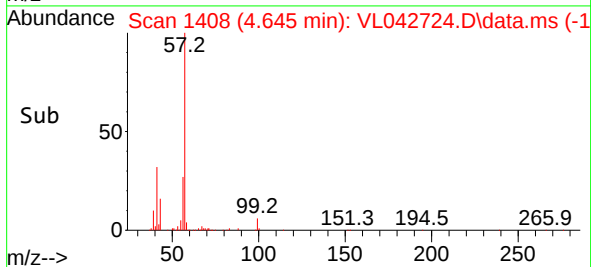
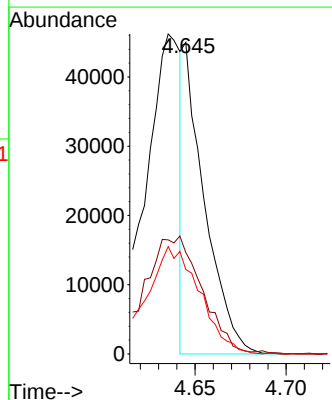
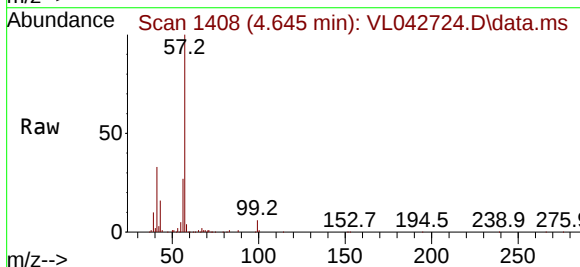
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

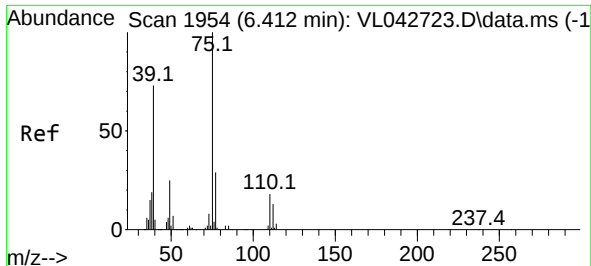
Tgt Ion: 69 Resp: 23720
Ion Ratio Lower Upper
69 100
41 155.2 125.8 188.6
100 36.9 29.9 44.9



#44
2,2,4-Trimethylpentane
Concen: 0.749 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 57 Resp: 36470
Ion Ratio Lower Upper
57 100
41 104.9 29.4 44.0#
56 0.0 26.1 39.1#





#45

t-1,3-Dichloropropene

Concen: 1.186 ppbv

RT: 6.409 min Scan# 1953

Delta R.T. -0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

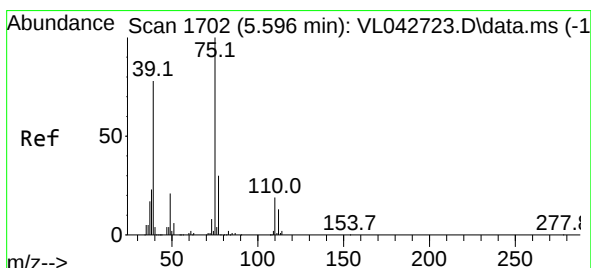
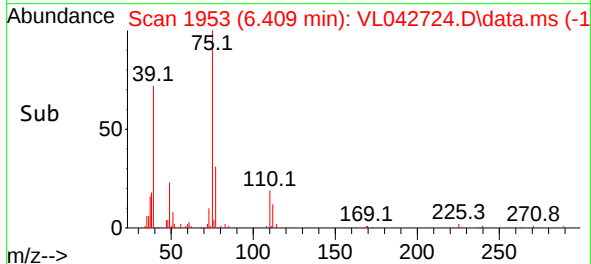
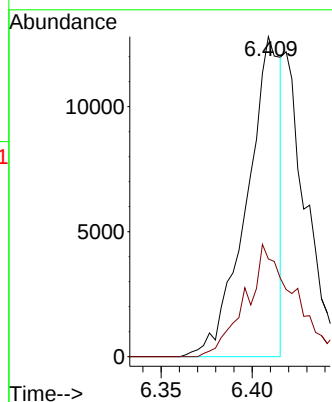
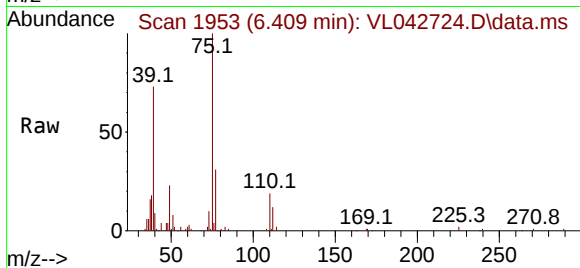
VSTDICC002

Tgt Ion: 75 Resp: 16521

Ion Ratio Lower Upper

75 100

77 30.6 23.0 34.6



#46

cis-1,3-Dichloropropene

Concen: 1.440 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

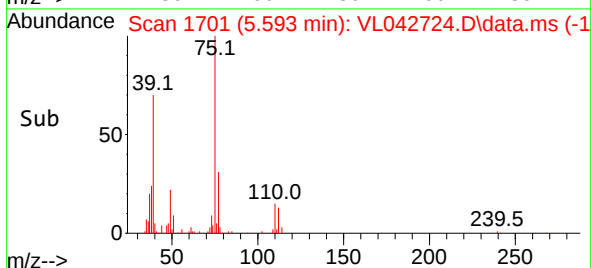
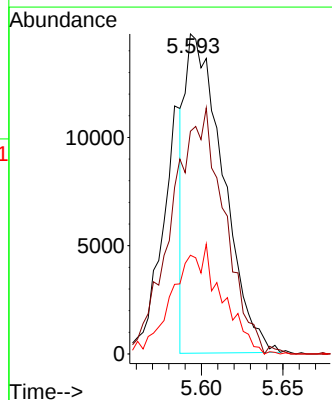
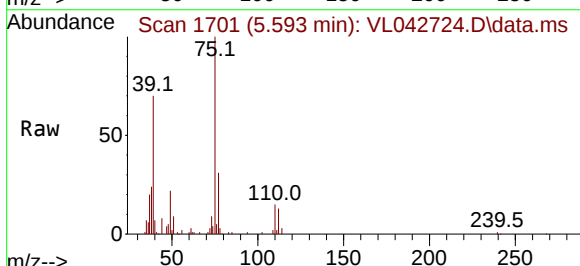
Tgt Ion: 75 Resp: 23832

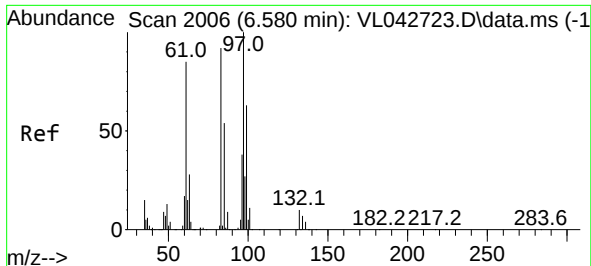
Ion Ratio Lower Upper

75 100

39 68.7 62.1 93.1

77 31.0 24.0 36.0





#47

1,1,2-Trichloroethane

Concen: 2.030 ppbv

RT: 6.584 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 97 Resp: 24456

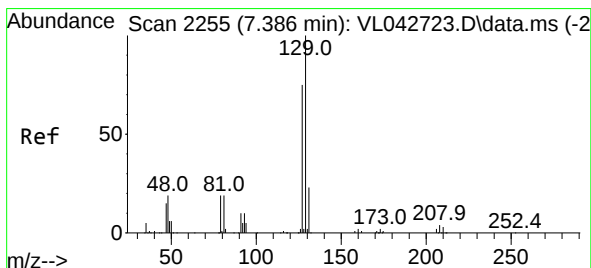
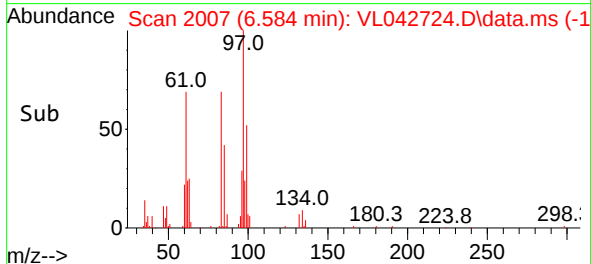
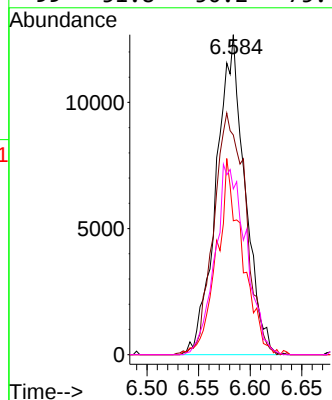
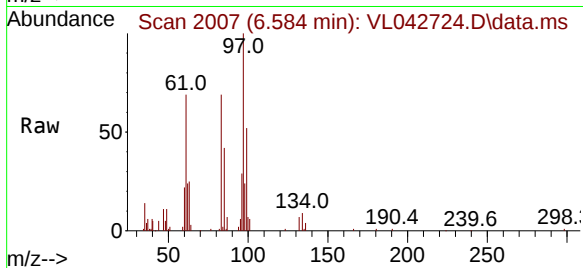
Ion Ratio Lower Upper

97 100

83 68.3 73.2 109.8#

85 41.8 42.7 64.1#

99 51.8 50.2 75.4



#48

Dibromochloromethane

Concen: 1.970 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. -0.003 min

Lab File: VL042724.D

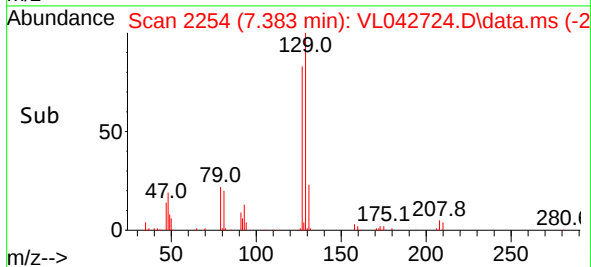
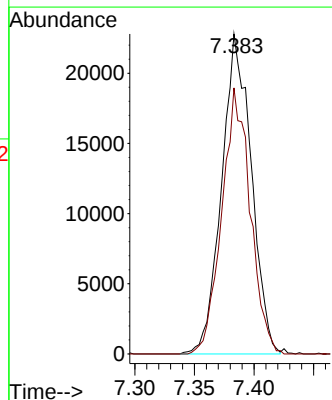
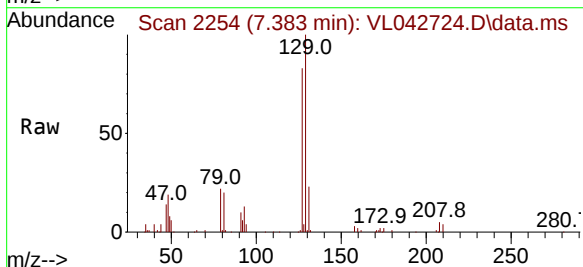
Acq: 22 Jul 2025 09:30

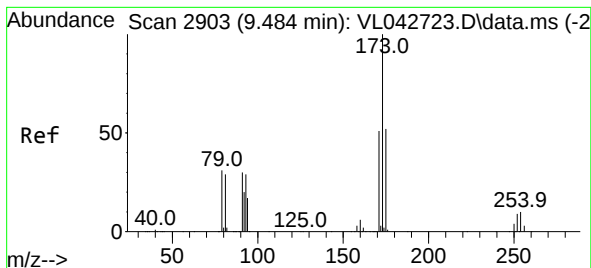
Tgt Ion: 129 Resp: 39455

Ion Ratio Lower Upper

129 100

127 79.6 39.1 117.3





#49

Bromoform

Concen: 2.041 ppbv

RT: 9.484 min Scan# 2903

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

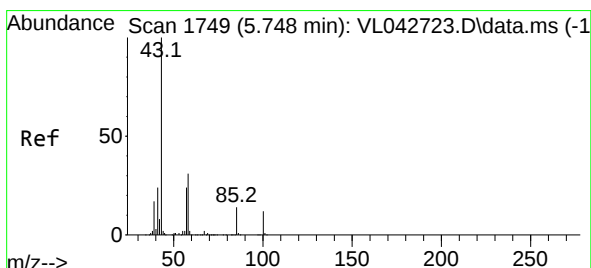
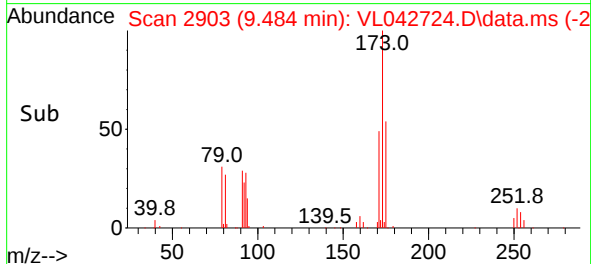
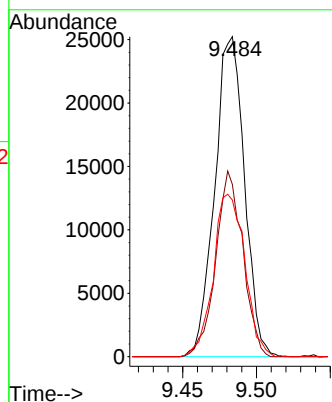
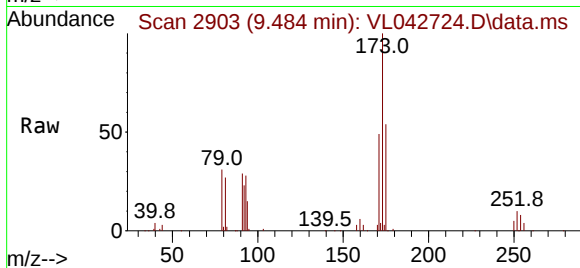
Tgt Ion:173 Resp: 35458

Ion Ratio Lower Upper

173 100

175 52.8 38.9 58.3

171 53.7 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 2.056 ppbv

RT: 5.749 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VL042724.D

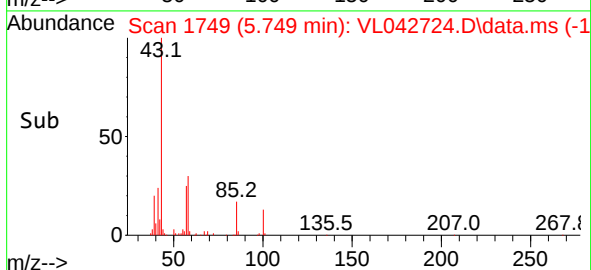
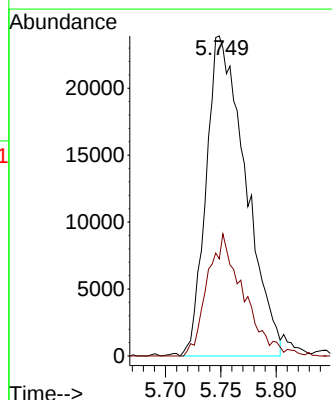
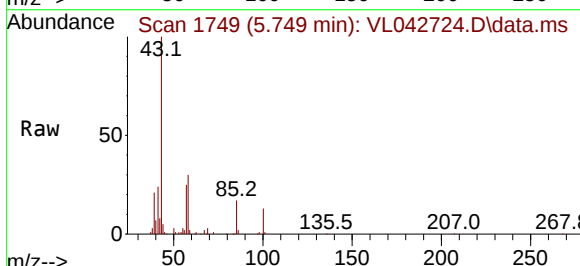
Acq: 22 Jul 2025 09:30

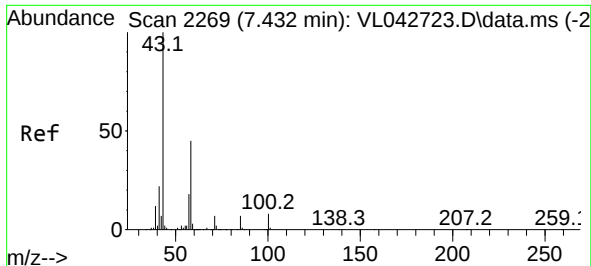
Tgt Ion: 43 Resp: 59229

Ion Ratio Lower Upper

43 100

58 35.3 27.6 41.4

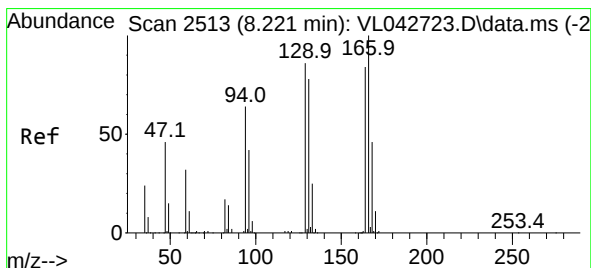
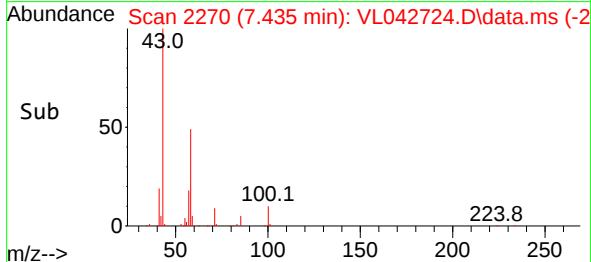
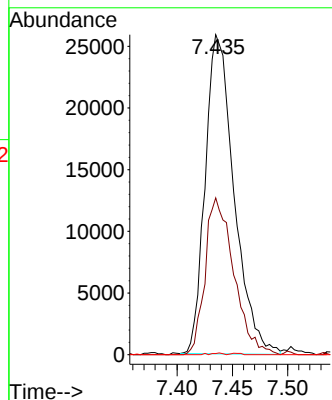
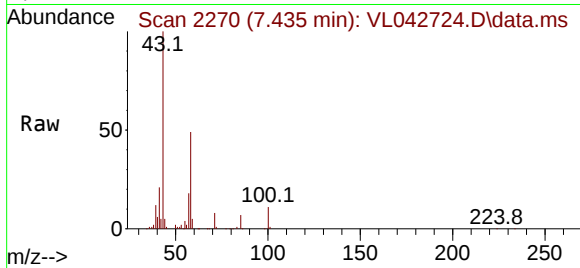




#51
2-Hexanone
Concen: 2.039 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

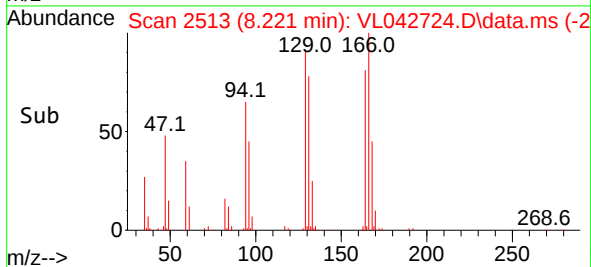
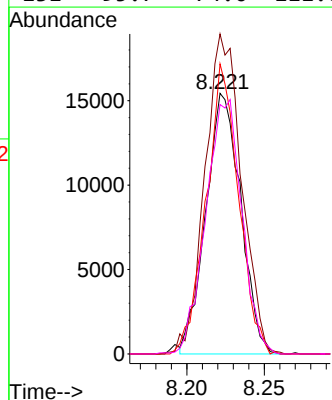
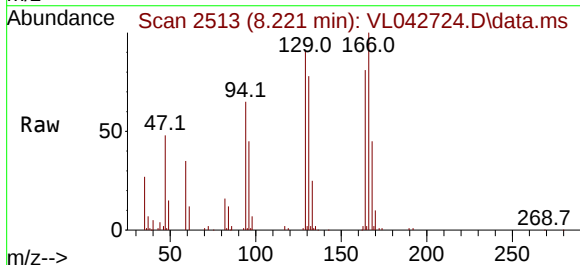
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

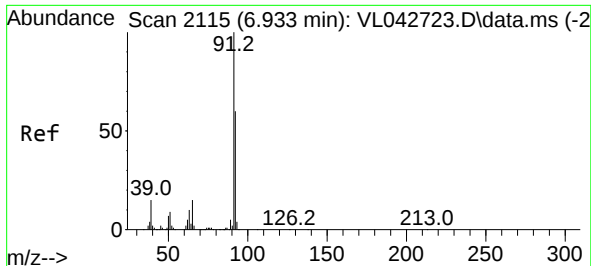
Tgt Ion: 43 Resp: 46981
Ion Ratio Lower Upper
43 100
58 48.9 37.9 56.9
98 0.4 0.2 0.2#



#52
Tetrachloroethene
Concen: 2.027 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion:164 Resp: 24130
Ion Ratio Lower Upper
164 100
166 122.2 95.1 142.7
129 111.3 81.9 122.9
131 95.7 74.0 111.0

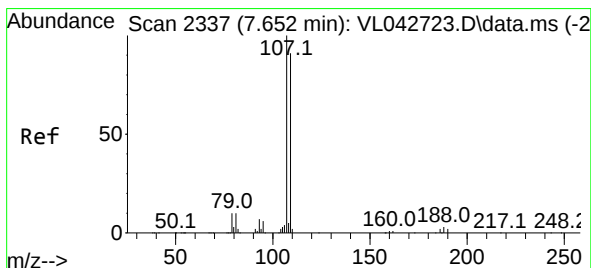
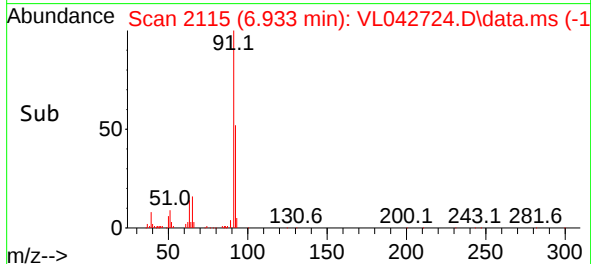
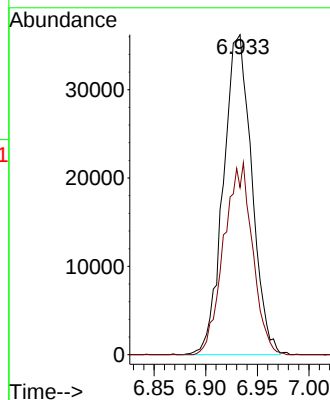
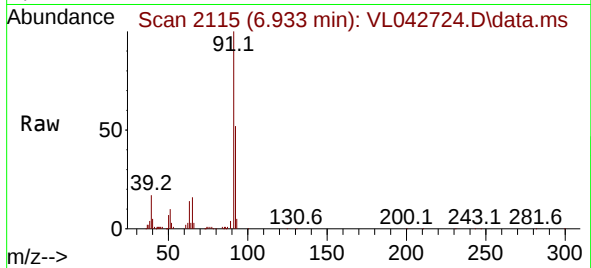




#53
Toluene
Concen: 2.081 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

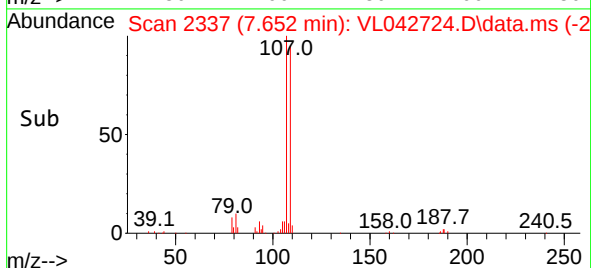
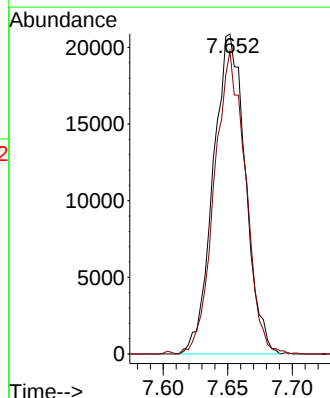
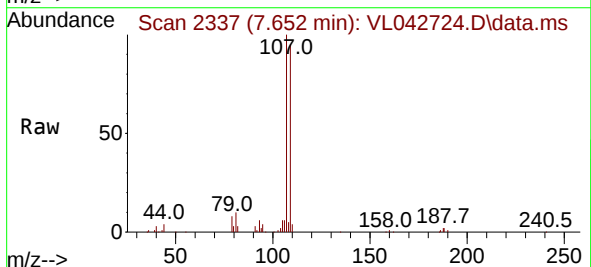
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

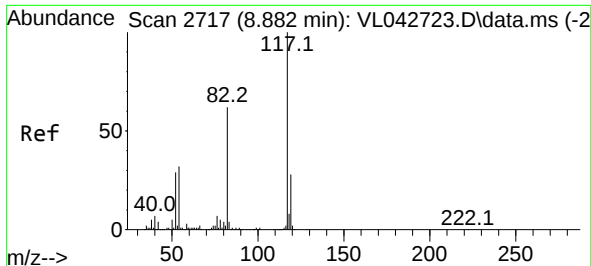
Tgt Ion: 91 Resp: 69313
Ion Ratio Lower Upper
91 100
92 60.6 48.2 72.4



#54
1,2-Dibromoethane
Concen: 2.007 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 107 Resp: 36140
Ion Ratio Lower Upper
107 100
109 94.4 72.5 108.7

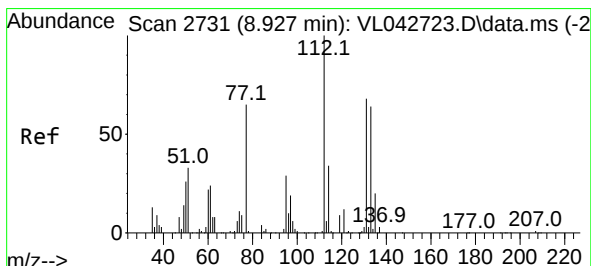
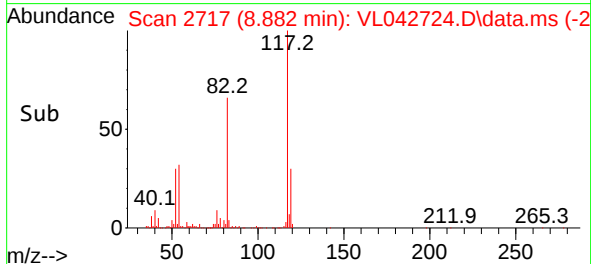
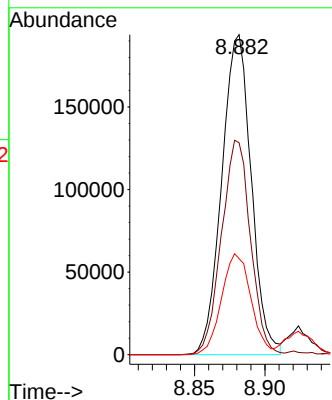
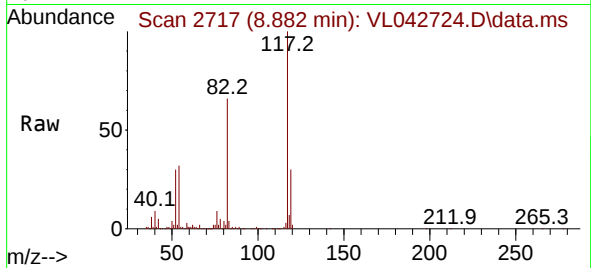




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

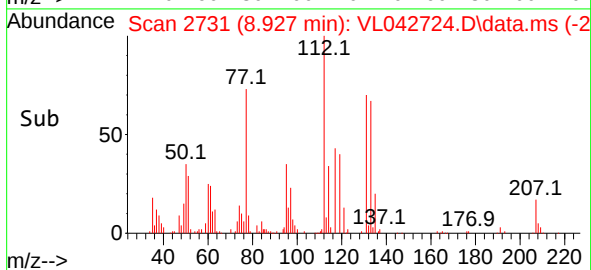
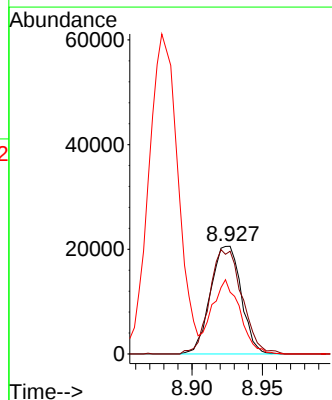
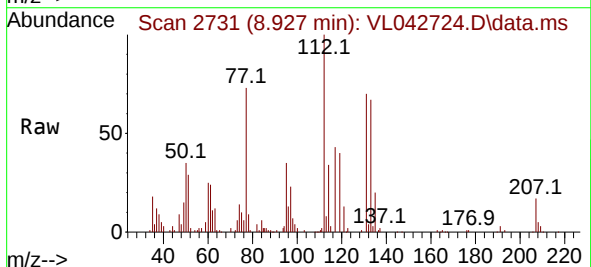
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

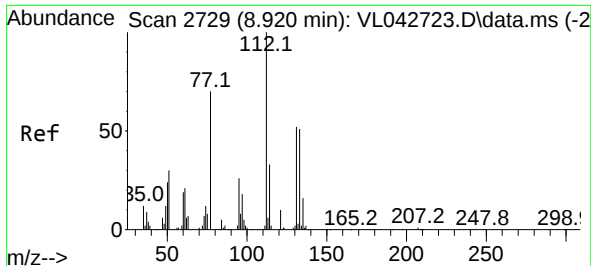
Tgt Ion:117 Resp: 282833
Ion Ratio Lower Upper
117 100
82 66.7 54.6 81.8
119 31.7 25.3 37.9



#56
1,1,1,2-Tetrachloroethane
Concen: 2.047 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion:131 Resp: 31192
Ion Ratio Lower Upper
131 100
133 102.4 77.4 116.0
119 63.9 48.6 73.0

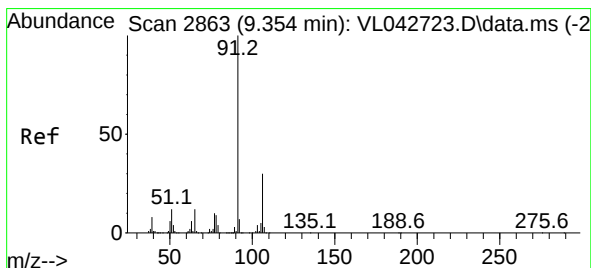
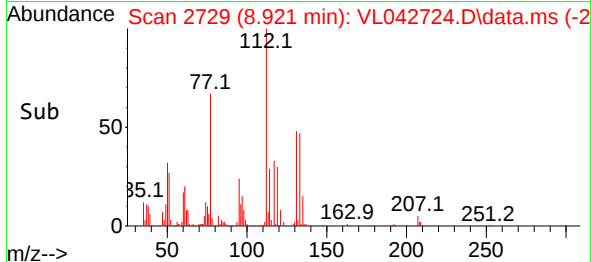
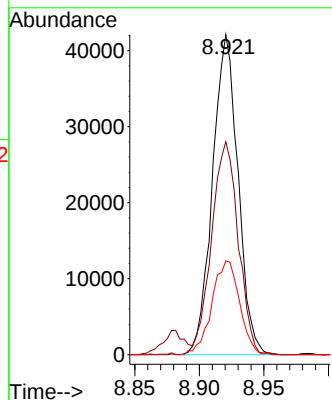
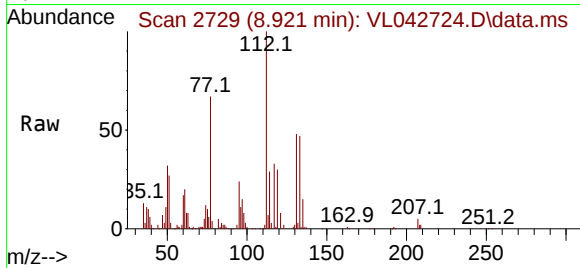




#57
Chlorobenzene
Concen: 2.141 ppbv
RT: 8.921 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

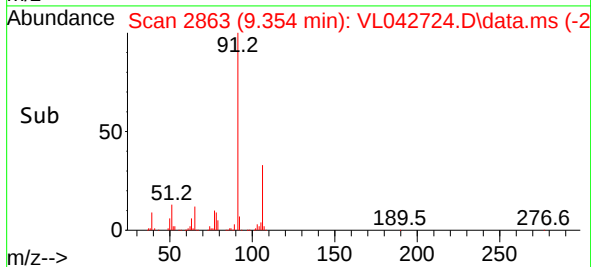
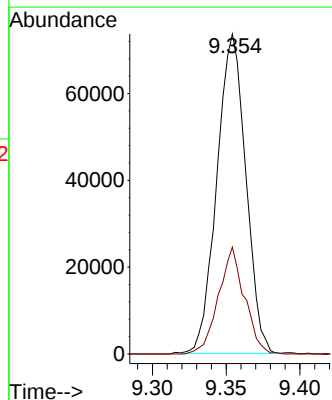
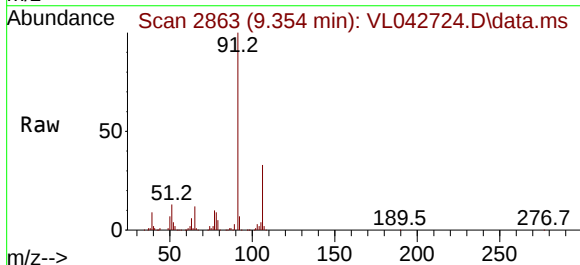
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

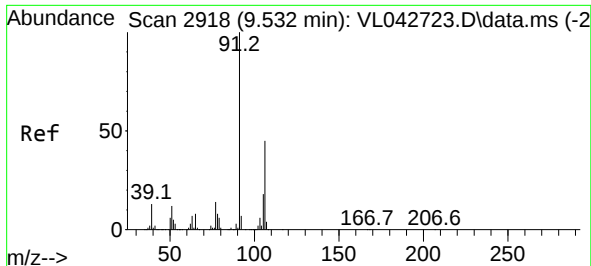
Tgt Ion:112 Resp: 57715
Ion Ratio Lower Upper
112 100
77 66.5 57.2 85.8
114 29.3 29.8 36.4#



#58
Ethyl Benzene
Concen: 2.120 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 91 Resp: 100177
Ion Ratio Lower Upper
91 100
106 33.5 23.7 35.5





#59

m/p-Xylene

Concen: 2.383 ppbv

RT: 9.535 min Scan# 2918

Delta R.T. 0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

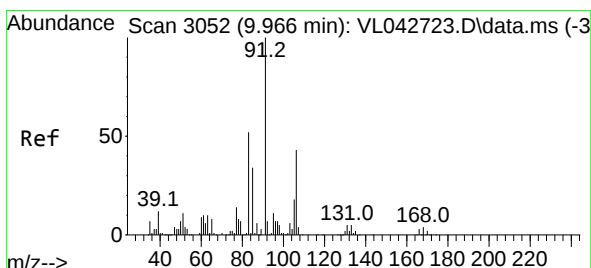
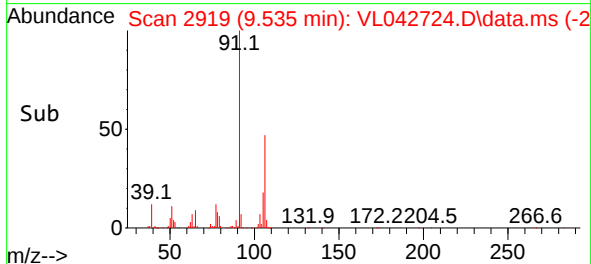
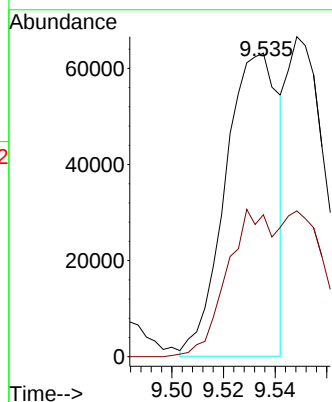
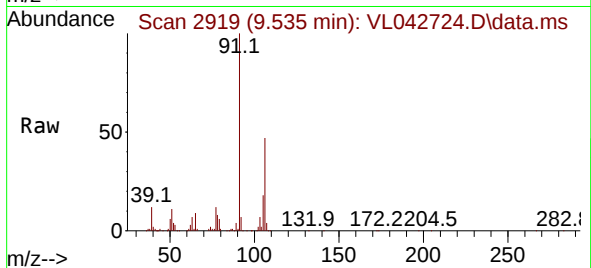
VSTDICC002

Tgt Ion: 91 Resp: 90225

Ion Ratio Lower Upper

91 100

106 82.2 37.3 55.9#



#60

o-Xylene

Concen: 2.111 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.003 min

Lab File: VL042724.D

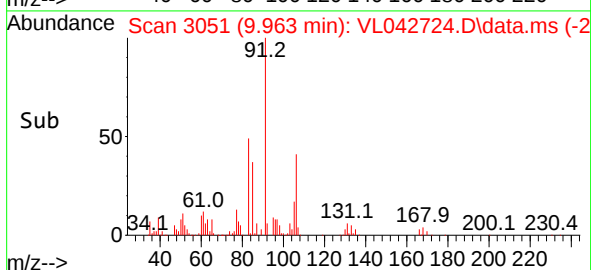
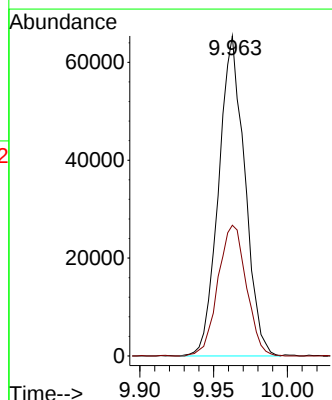
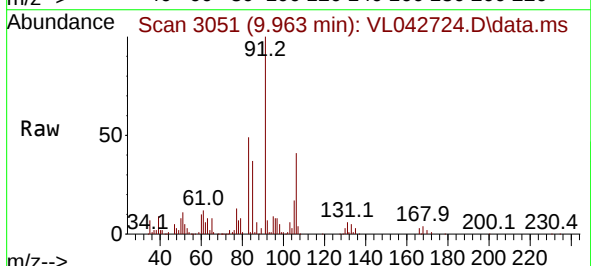
Acq: 22 Jul 2025 09:30

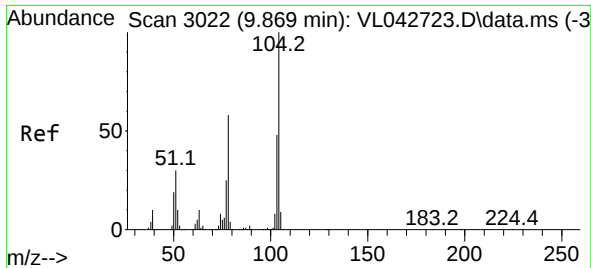
Tgt Ion: 91 Resp: 80565

Ion Ratio Lower Upper

91 100

106 44.5 21.4 64.3

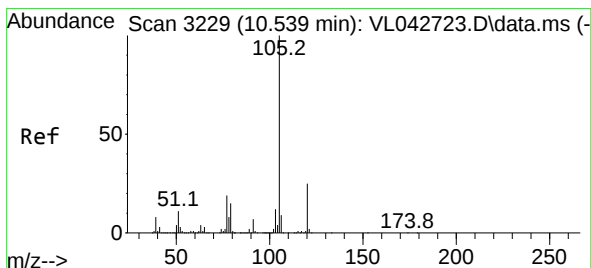
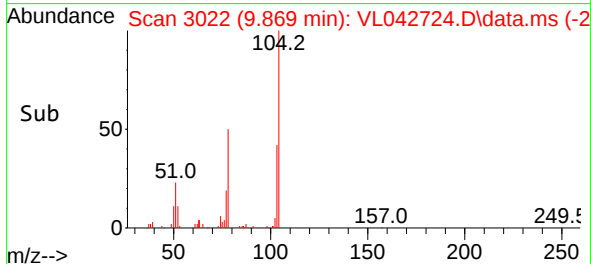
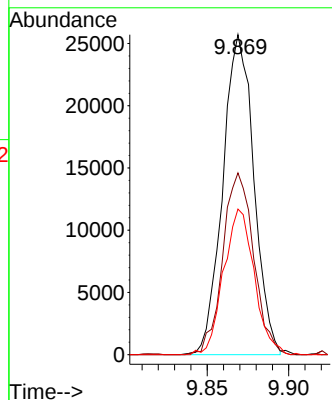
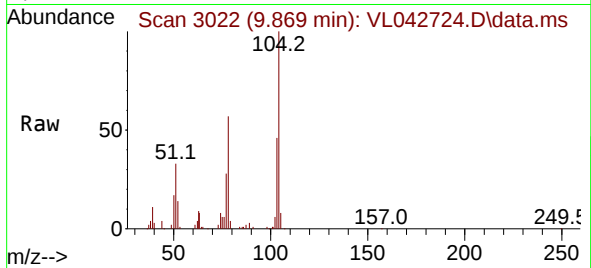




#61
Styrene
Concen: 2.072 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

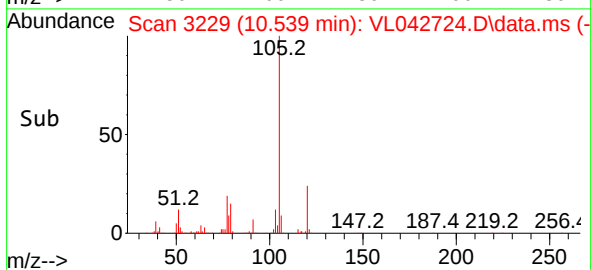
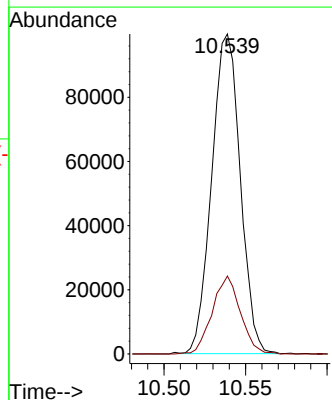
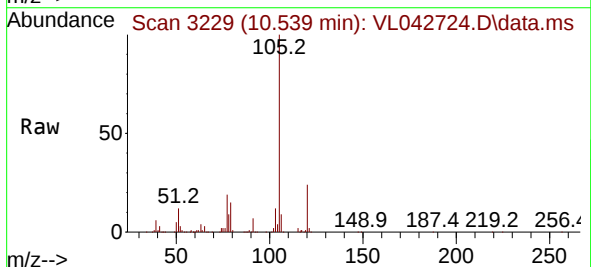
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

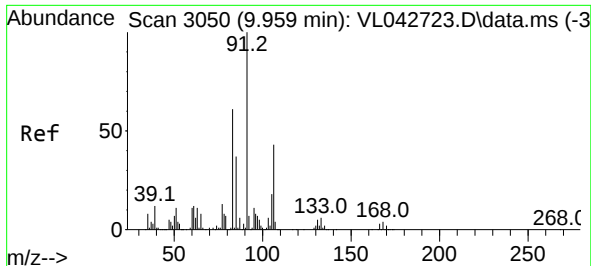
Tgt Ion:104 Resp: 34062
Ion Ratio Lower Upper
104 100
78 56.5 43.4 65.2
103 44.9 37.8 56.6



#62
Isopropylbenzene
Concen: 2.138 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion:105 Resp: 121281
Ion Ratio Lower Upper
105 100
120 24.0 20.2 30.2





#63

1,1,2,2-Tetrachloroethane

Concen: 2.029 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

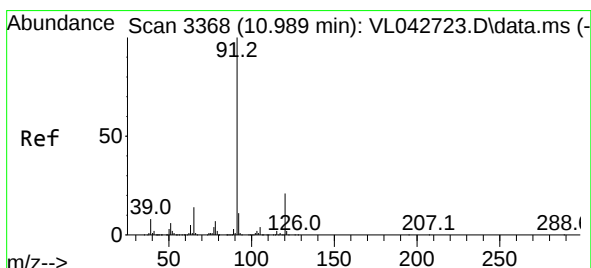
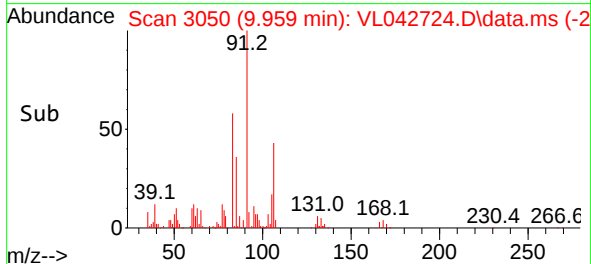
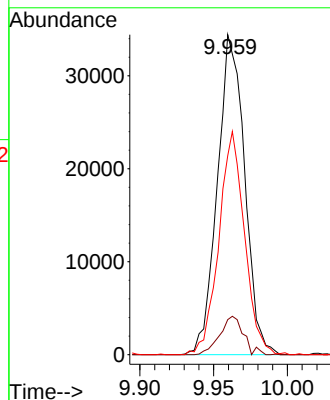
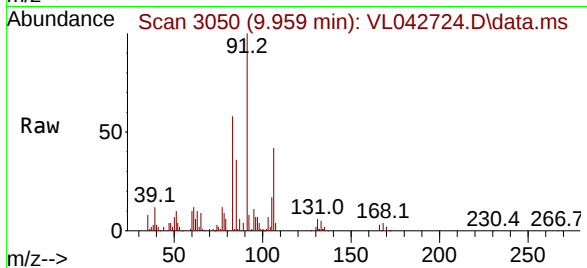
Tgt Ion: 83 Resp: 44263

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

85 65.8 32.1 96.5



#64

n-propylbenzene

Concen: 2.097 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. 0.000 min

Lab File: VL042724.D

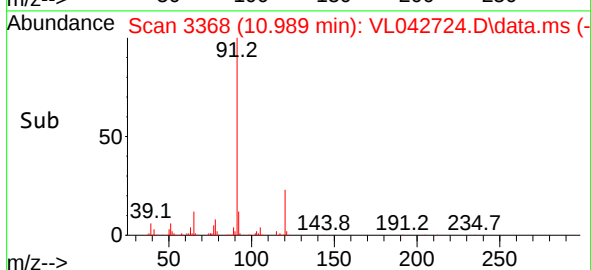
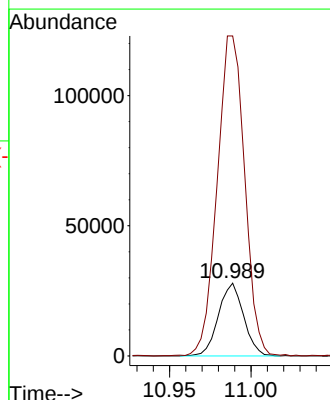
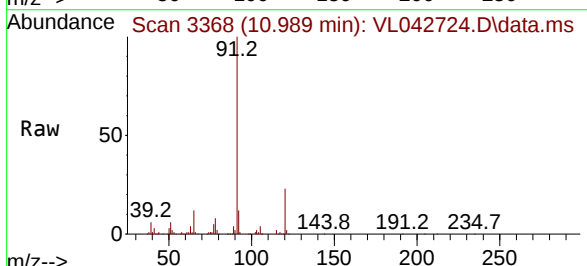
Acq: 22 Jul 2025 09:30

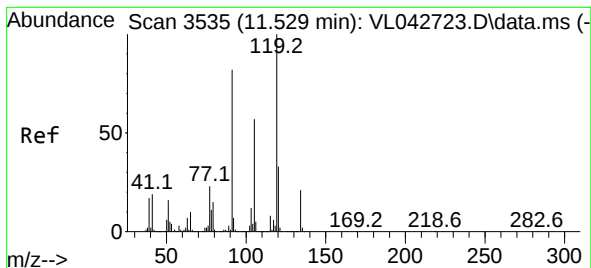
Tgt Ion: 120 Resp: 30013

Ion Ratio Lower Upper

120 100

91 479.7 377.4 566.0





#65

tert-Butylbenzene

Concen: 2.162 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

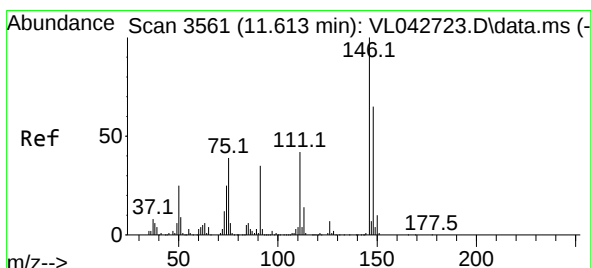
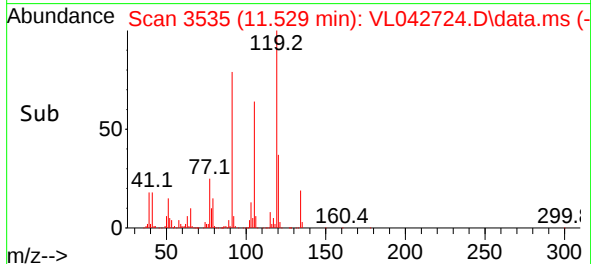
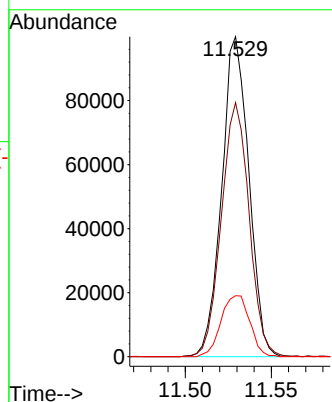
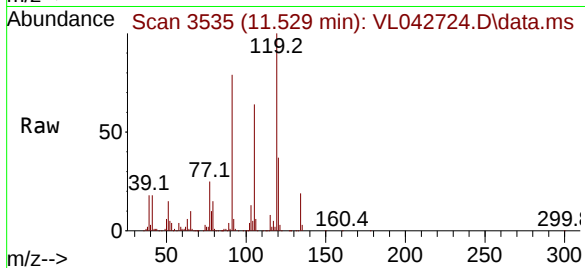
Tgt Ion:119 Resp: 109751

Ion Ratio Lower Upper

119 100

91 81.3 66.5 99.7

134 20.2 16.7 25.1



#66

Benzyl Chloride

Concen: 1.858 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

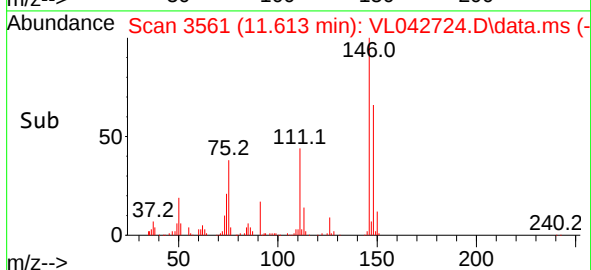
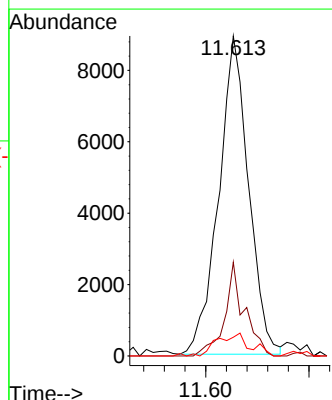
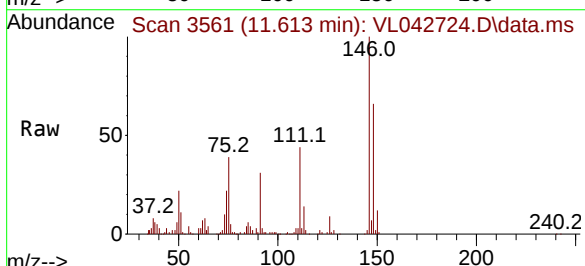
Tgt Ion: 91 Resp: 8963

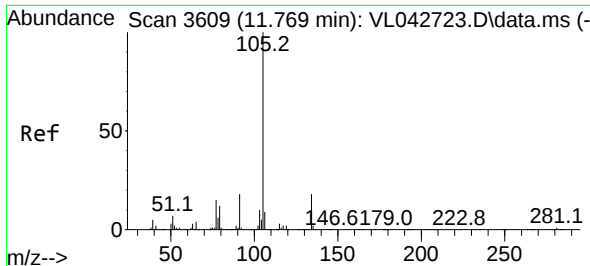
Ion Ratio Lower Upper

91 100

126 19.9 15.0 22.4

128 8.8 5.0 7.6#

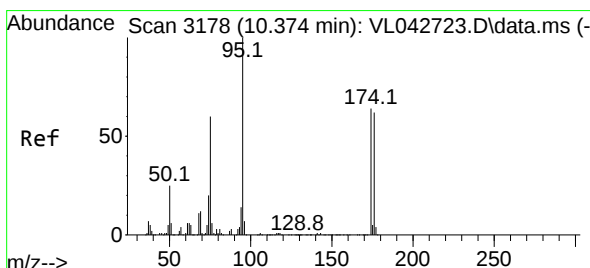
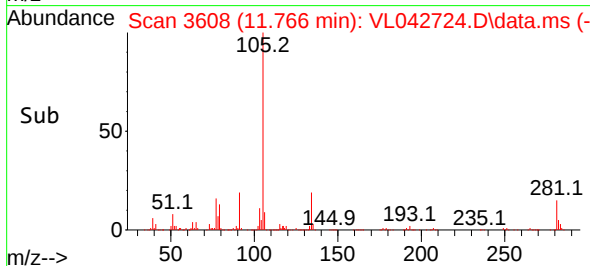
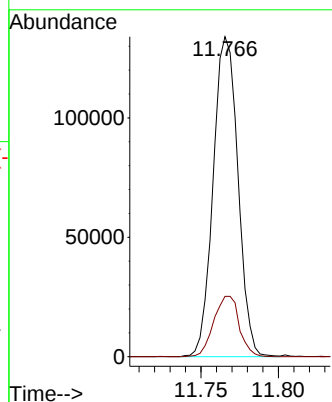
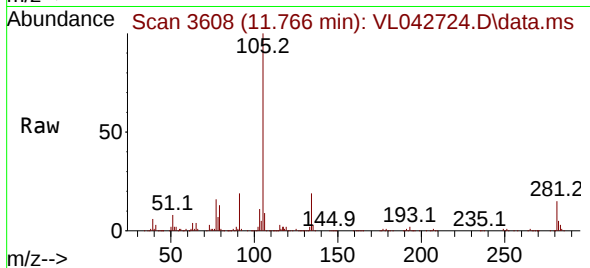




#67
 sec-Butylbenzene
 Concen: 2.138 ppbv
 RT: 11.766 min Scan# 3608
 Delta R.T. -0.003 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

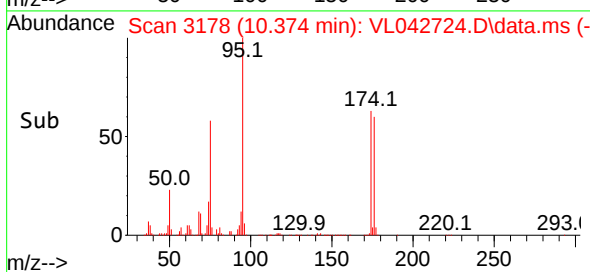
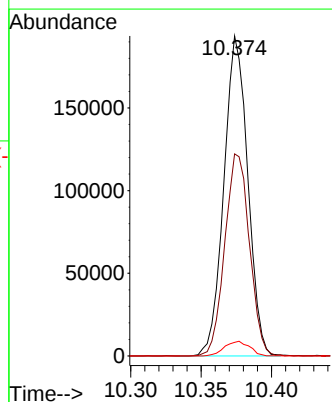
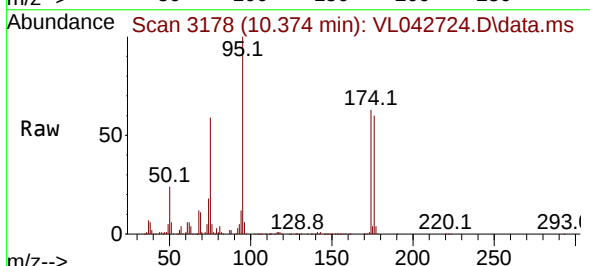
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

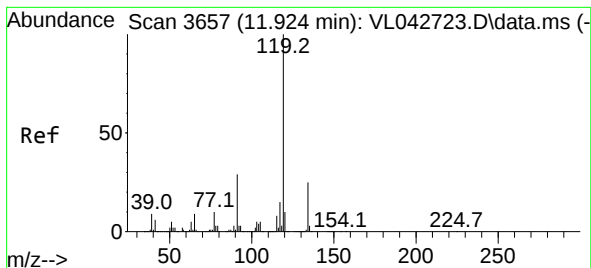
Tgt Ion:105 Resp: 149105
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.0 22.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.005 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Tgt Ion: 95 Resp: 228709
 Ion Ratio Lower Upper
 95 100
 174 65.3 51.4 77.2
 175 4.9 4.2 6.4





#69

p-Isopropyltoluene

Concen: 2.158 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

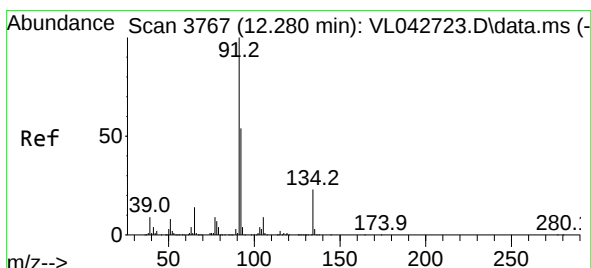
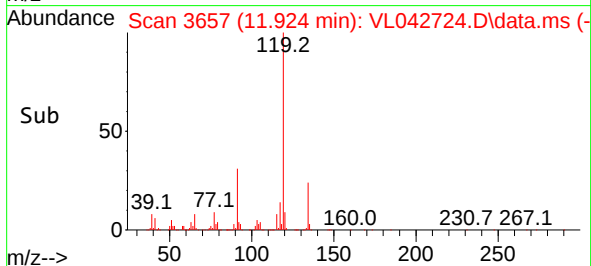
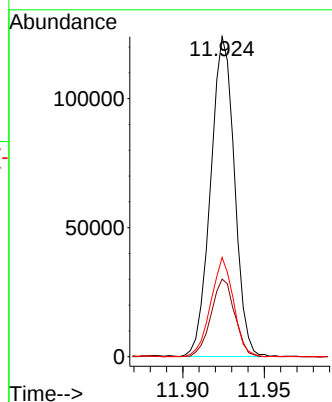
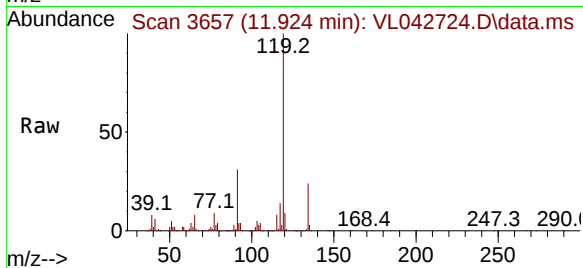
Tgt Ion:119 Resp: 126075

Ion Ratio Lower Upper

119 100

134 24.2 19.8 29.6

91 29.8 23.9 35.9



#70

n-Butylbenzene

Concen: 2.170 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

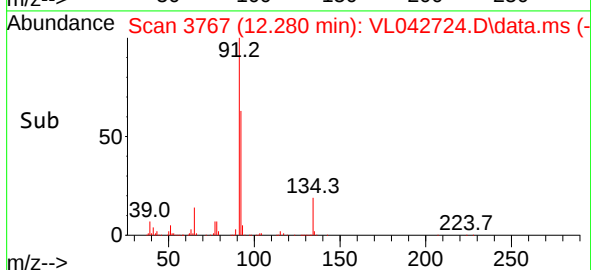
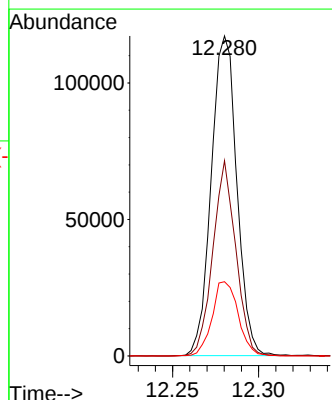
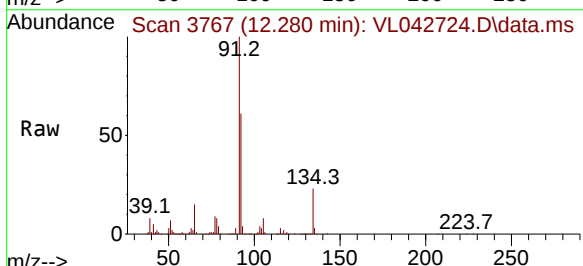
Tgt Ion: 91 Resp: 121157

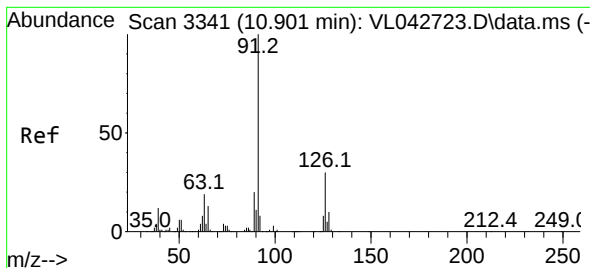
Ion Ratio Lower Upper

91 100

92 55.0 43.2 64.8

134 23.8 19.0 28.6

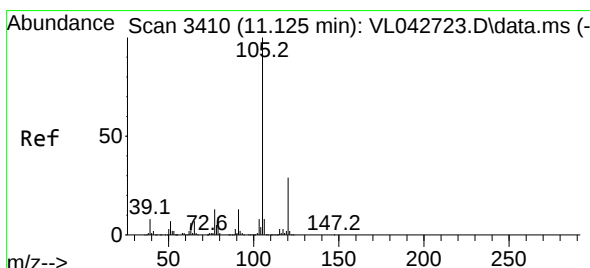
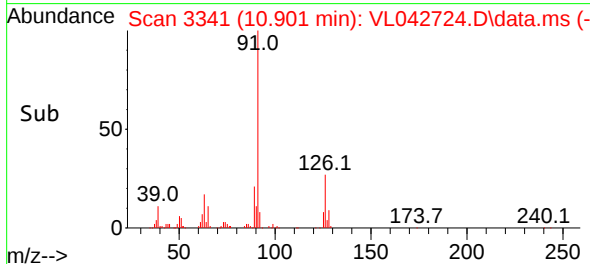
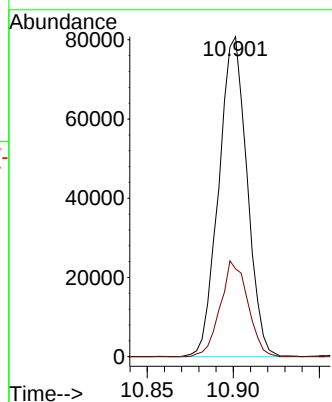
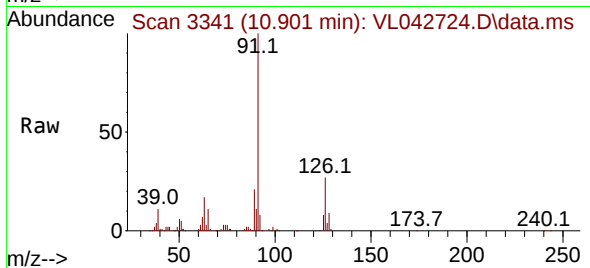




#71
2-Chlorotoluene
Concen: 2.148 ppbv
RT: 10.901 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

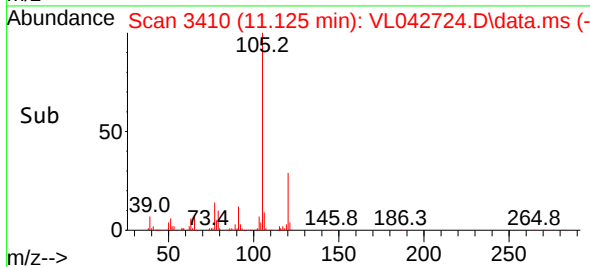
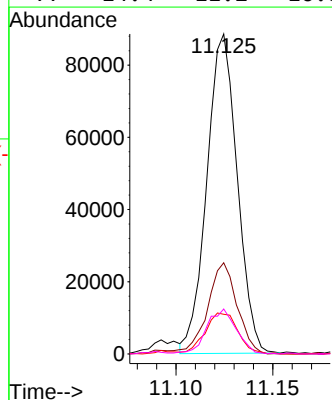
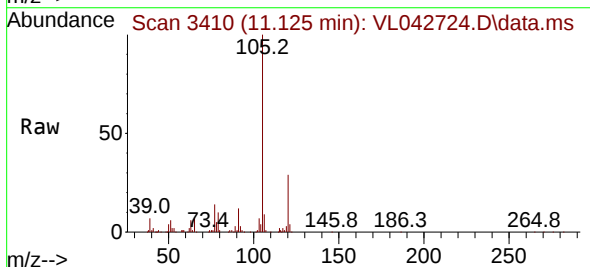
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

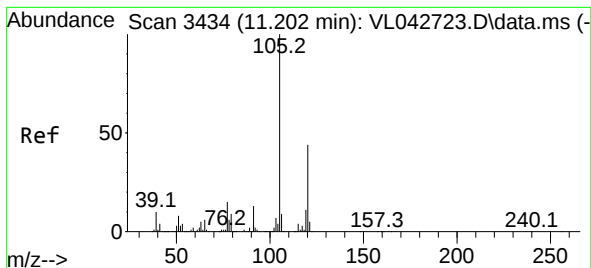
Tgt Ion: 91 Resp: 92375
Ion Ratio Lower Upper
91 100
126 29.1 11.6 46.4



#72
4-Ethyltoluene
Concen: 2.124 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 105 Resp: 96669
Ion Ratio Lower Upper
105 100
120 28.6 23.4 35.0
91 14.7 10.6 15.8
77 14.4 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 2.116 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

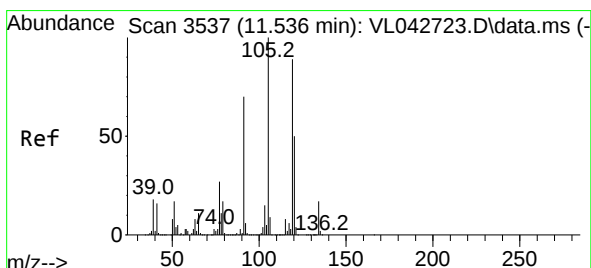
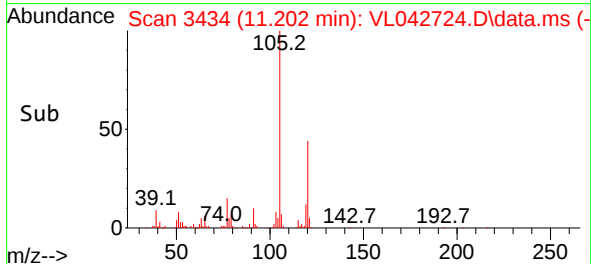
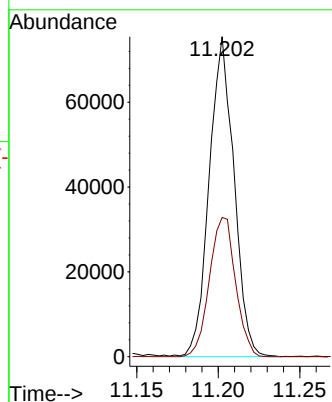
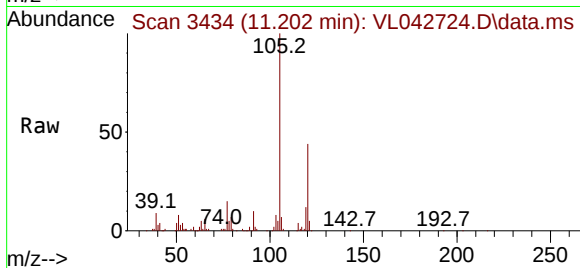
VSTDIC002

Tgt Ion:105 Resp: 79639

Ion Ratio Lower Upper

105 100

120 43.5 35.2 52.8



#74

1,2,4-Trimethylbenzene

Concen: 2.080 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion:105 Resp: 85886

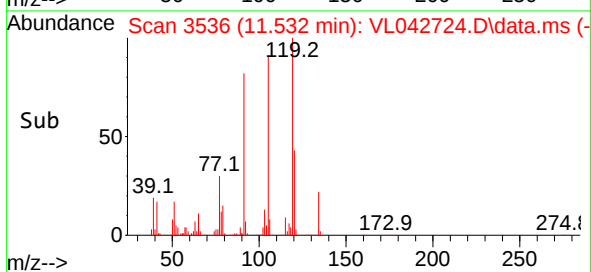
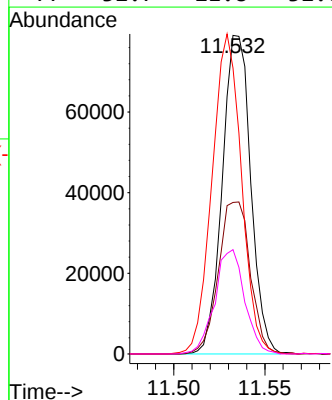
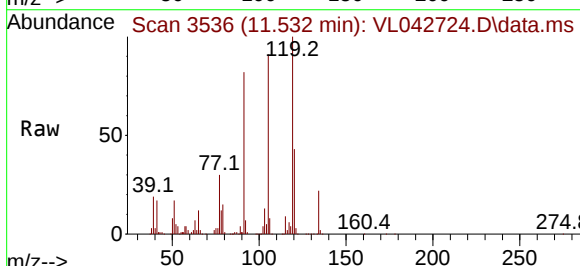
Ion Ratio Lower Upper

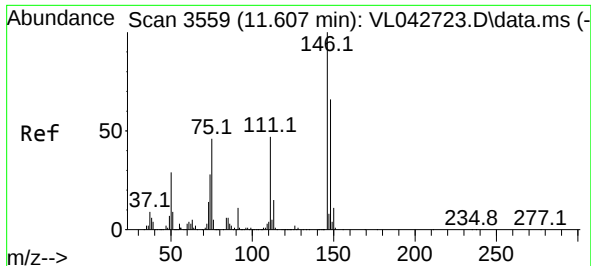
105 100

120 47.6 39.9 59.9

91 89.5 56.5 84.7#

77 32.7 21.8 32.6#

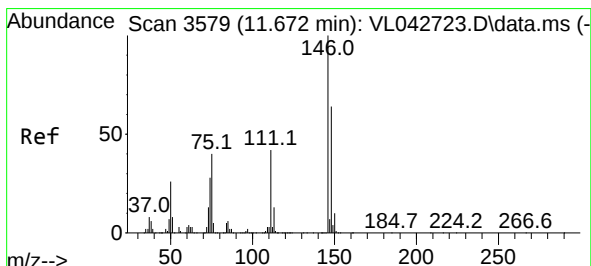
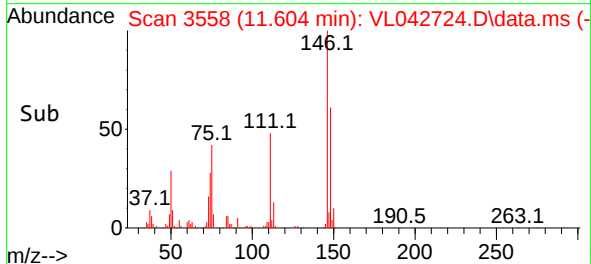
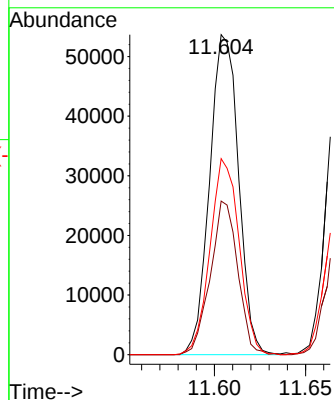
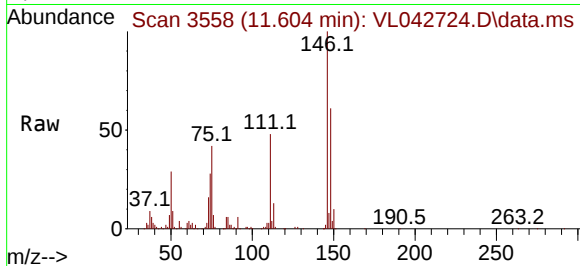




#75
1,3-Dichlorobenzene
Concen: 2.147 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

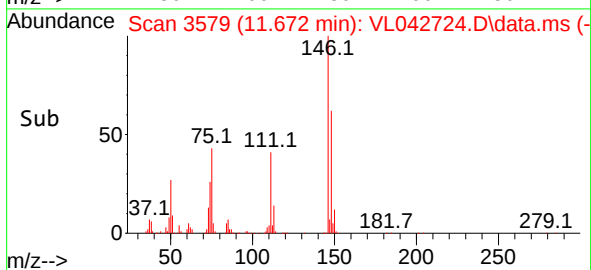
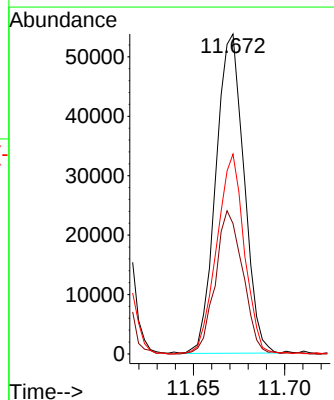
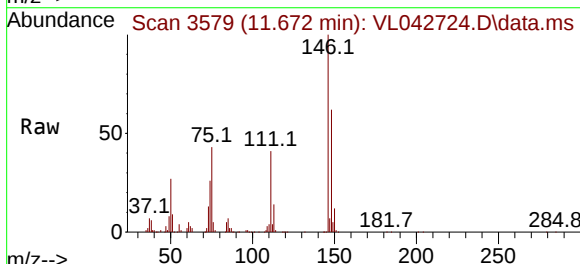
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

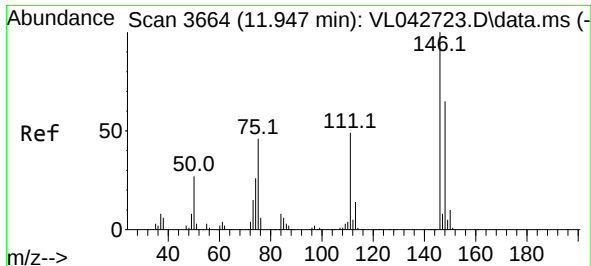
Tgt Ion:146 Resp: 59294
Ion Ratio Lower Upper
146 100
111 45.4 23.5 70.5
148 61.6 32.6 98.0



#76
1,4-Dichlorobenzene
Concen: 2.153 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion:146 Resp: 57524
Ion Ratio Lower Upper
146 100
111 44.3 22.1 66.1
148 61.8 32.1 96.5

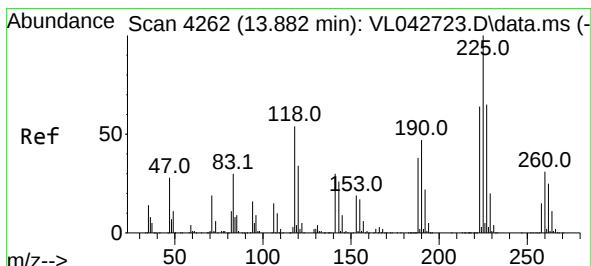
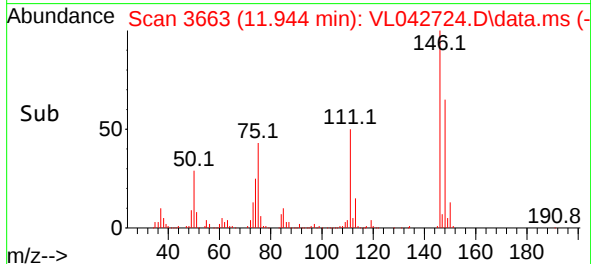
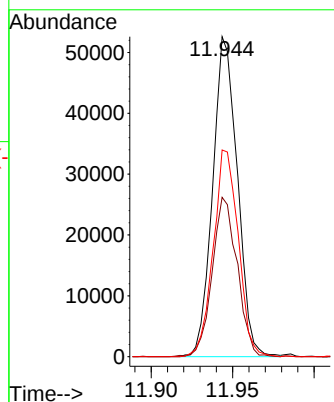
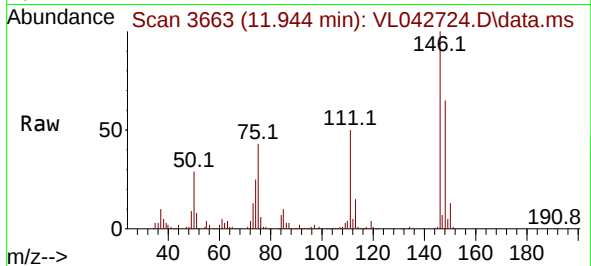




#77
1,2-Dichlorobenzene
Concen: 2.091 ppbv
RT: 11.944 min Scan# 3663
Delta R.T. -0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

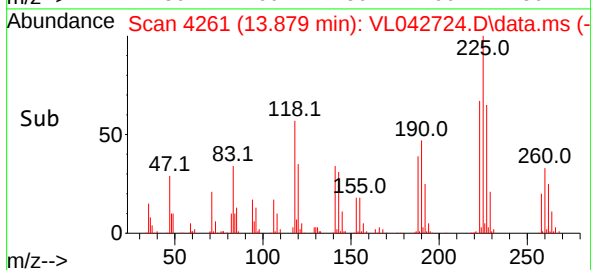
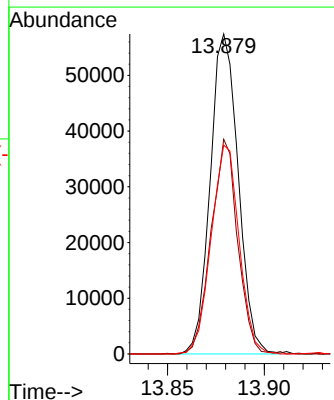
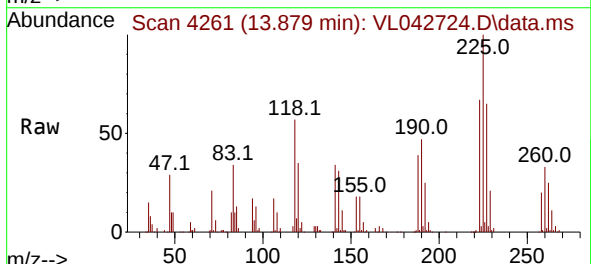
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

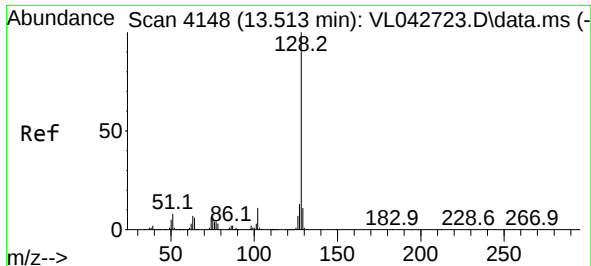
Tgt Ion:146 Resp: 55352
Ion Ratio Lower Upper
146 100
111 50.4 24.9 74.6
148 65.4 32.0 96.0



#78
Hexachloro-1,3-Butadiene
Concen: 2.241 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion:225 Resp: 57751
Ion Ratio Lower Upper
225 100
223 64.0 51.3 76.9
227 65.1 51.8 77.8

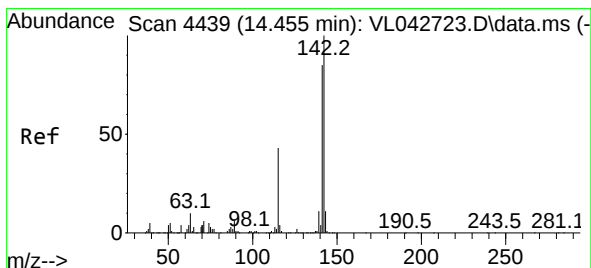
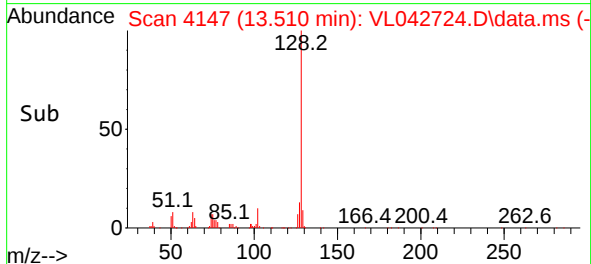
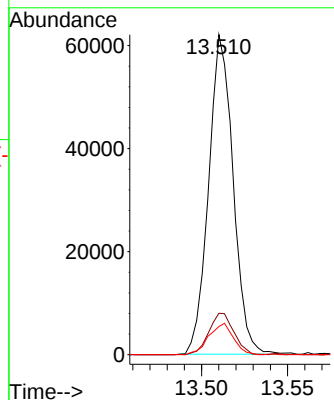
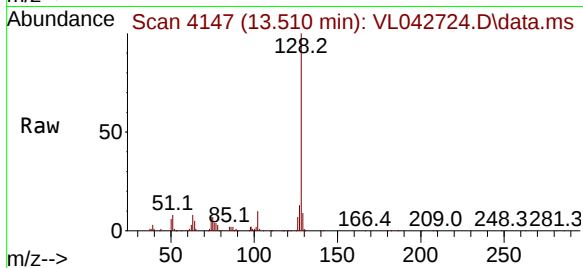




#79
Naphthalene
Concen: 1.995 ppbv
RT: 13.510 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

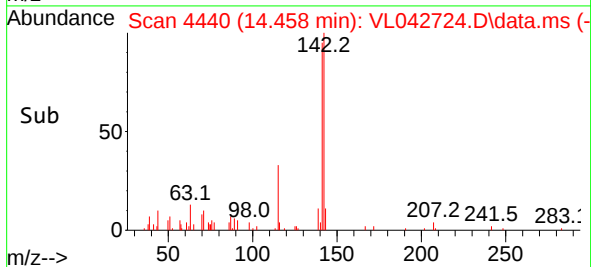
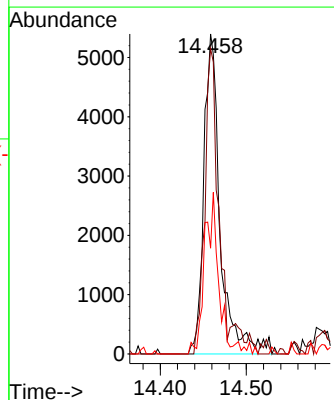
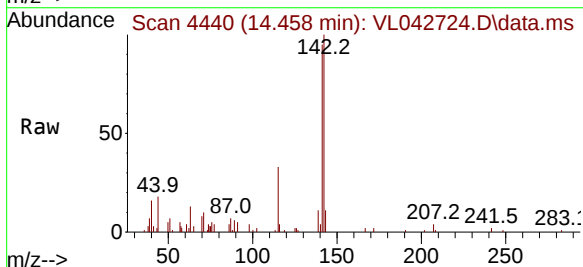
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

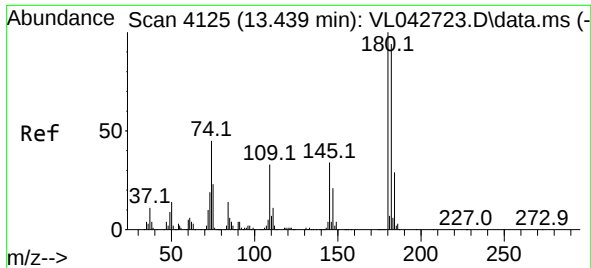
Tgt Ion:128 Resp: 61412
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 8.8 8.6 13.0



#80
Naphthalene,2-methyl-
Concen: 0.705 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion:142 Resp: 7143
Ion Ratio Lower Upper
142 100
141 87.0 65.6 98.4
115 44.7 31.7 47.5





#81

1,2,4-Trichlorobenzene

Concen: 2.095 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042724.D

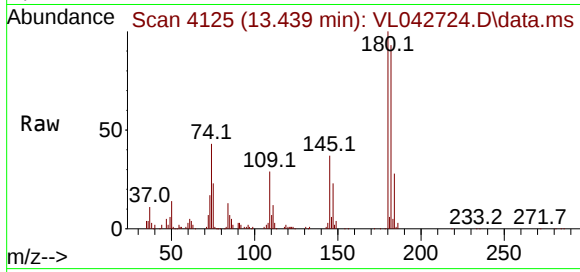
Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion:180 Resp: 39481

Ion Ratio Lower Upper

180 100

182 96.3 77.1 115.7

184 29.5 25.0 37.4

