

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042730.D
 Acq On : 22 Jul 2025 12:56
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Jul 23 01:49:46 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	100463	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	300245	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	262801	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	208246	9.804	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1683	0.107	ppbv	94
3) Chlorodifluoromethane	1.476	51	1993	0.112	ppbv	99
4) Chloromethane	1.534	50	852	0.133	ppbv #	86
5) Vinyl Chloride	1.580	62	729	0.115	ppbv #	81
6) Bromomethane	1.667	94	397	0.155	ppbv #	42
7) Chloroethane	1.703	64	363	0.150	ppbv #	64
8) Dichlorotetrafluoroethane	1.557	85	1677	0.127	ppbv	84
9) Propene	1.609	41	756	0.120	ppbv	84
10) Heptane	4.975	43	798	0.045	ppbv #	5
11) Trichlorofluoromethane	1.881	101	1618	0.100	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.140	101	1545	0.122	ppbv	92
13) Ethanol	1.887	45	1259	1.240	ppbv #	35
14) Bromoethene	1.784	108	529	0.117	ppbv #	78
15) Acetone	1.839	43	2753	0.164	ppbv #	74
16) 1,3-Butadiene	1.606	39	731	0.101	ppbv	91
17) tert-Butyl alcohol	2.043	59	1768	0.111	ppbv #	54
18) 1,1-Dichloroethene	2.036	96	829	0.154	ppbv #	60
19) Isopropyl Alcohol	1.887	45	1259	0.141	ppbv #	49
20) Methylene Chloride	2.062	84	1734	0.328	ppbv #	79
21) Allyl Chloride	2.094	41	1501	0.139	ppbv #	35
22) trans-1,2-Dichloroethene	2.337	96	314	0.051	ppbv #	81
23) Vinyl Acetate	2.463	43	2471	0.129	ppbv #	66
24) 1,1-Dichloroethane	2.412	63	1605	0.130	ppbv #	92
25) Ethyl Acetate	2.829	43	1205	0.039	ppbv #	75
26) Hexane	2.823	57	700	0.051	ppbv #	1
27) Carbon Disulfide	2.149	76	1555	0.107	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	1170	0.148	ppbv #	82
29) Chloroform	2.852	83	2606	0.116	ppbv #	80
30) Cyclohexane	3.855	84	537	0.045	ppbv #	1
31) cis-1,2-Dichloroethene	2.722	61	1633	0.111	ppbv #	82
32) 1,1,1-Trichloroethane	3.366	97	1157	0.049	ppbv #	15
34) 2-Butanone	2.564	43	2806	0.136	ppbv	93
35) Carbon Tetrachloride	3.768	117	1909	0.078	ppbv #	88
36) Benzene	3.661	78	3075	0.110	ppbv #	82
37) 1,2-Dichloroethane	3.224	62	1228	0.069	ppbv #	82
38) Trichloroethene	4.554	130	830	0.061	ppbv #	79
39) 1,2-Dichloropropane	3.959	63	76430	7.359	ppbv #	20
40) 1,4-Dioxane	4.612	88	188	0.039	ppbv #	36
41) Tetrahydrofuran	3.046	42	121	0.011	ppbv #	36
42) Bromodichloromethane	4.496	83	1076	0.046	ppbv #	71
43) Methyl Methacrylate	4.888	69	776	0.073	ppbv #	65
44) 2,2,4-Trimethylpentane	4.645	57	2995	0.065	ppbv #	34
45) t-1,3-Dichloropropene	6.412	75	267	0.020	ppbv #	46

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042730.D
 Acq On : 22 Jul 2025 12:56
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

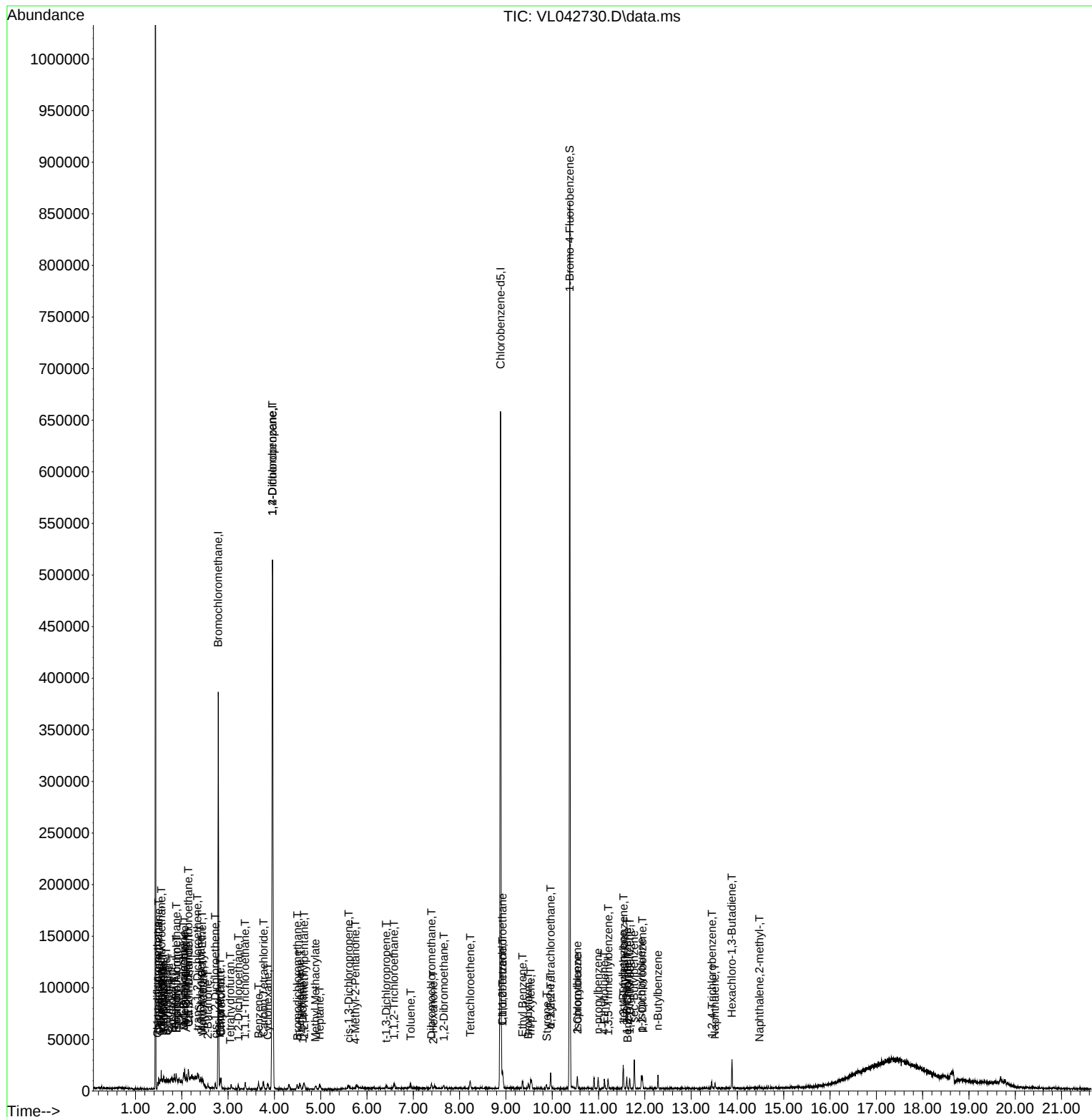
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jul 23 01:27:20 2025
 Response via : Initial Calibration

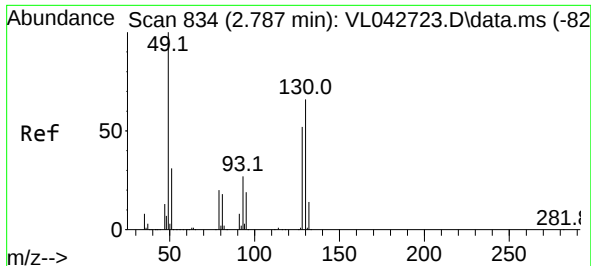
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.603	75	651	0.042	ppbv	#	23
47) 1,1,2-Trichloroethane	6.584	97	536	0.047	ppbv	#	41
48) Dibromochloromethane	7.393	129	1779	0.094	ppbv		88
49) Bromoform	9.480	173	1128	0.069	ppbv	#	70
50) 4-Methyl-2-Pentanone	5.752	43	229	0.008	ppbv	#	40
51) 2-Hexanone	7.432	43	172	0.008	ppbv	#	30
52) Tetrachloroethene	8.231	164	249	0.022	ppbv	#	32
53) Toluene	6.946	91	1677	0.053	ppbv	#	20
54) 1,2-Dibromoethane	7.658	107	1752	0.103	ppbv	#	66
56) 1,1,1,2-Tetrachloroethane	8.927	131	1325	0.094	ppbv	#	50
57) Chlorobenzene	8.924	112	2750	0.110	ppbv	#	72
58) Ethyl Benzene	9.357	91	3615	0.082	ppbv		93
59) m/p-Xylene	9.535	91	1113	0.032	ppbv	#	1
60) o-Xylene	9.963	91	3131	0.088	ppbv		96
61) Styrene	9.882	104	660	0.043	ppbv	#	1
62) Isopropylbenzene	10.542	105	4638	0.088	ppbv	#	85
63) 1,1,2,2-Tetrachloroethane	9.966	83	1581	0.078	ppbv	#	26
64) n-propylbenzene	10.989	120	1113	0.084	ppbv		92
65) tert-Butylbenzene	11.532	119	4107	0.087	ppbv		97
66) Benzyl Chloride	11.630	91	34	0.008	ppbv	#	1
67) sec-Butylbenzene	11.765	105	5711	0.088	ppbv		98
69) p-Isopropyltoluene	11.924	119	4435	0.082	ppbv		97
70) n-Butylbenzene	12.283	91	3307	0.064	ppbv	#	86
71) 2-Chlorotoluene	10.548	91	138	0.003	ppbv		77
72) 4-Ethyltoluene	11.125	105	3865	0.091	ppbv	#	94
73) 1,3,5-Trimethylbenzene	11.209	105	3243	0.093	ppbv		86
74) 1,2,4-Trimethylbenzene	11.539	105	1735	0.045	ppbv		93
75) 1,3-Dichlorobenzene	11.613	146	1136	0.044	ppbv	#	16
76) 1,4-Dichlorobenzene	11.675	146	1992	0.080	ppbv		80
77) 1,2-Dichlorobenzene	11.947	146	2582	0.105	ppbv		92
78) Hexachloro-1,3-Butadiene	13.879	225	2936	0.123	ppbv		97
79) Naphthalene	13.513	128	2256	0.079	ppbv	#	83
80) Naphthalene,2-methyl-	14.478	142	692	0.074	ppbv	#	85
81) 1,2,4-Trichlorobenzene	13.448	180	1171	0.067	ppbv	#	95

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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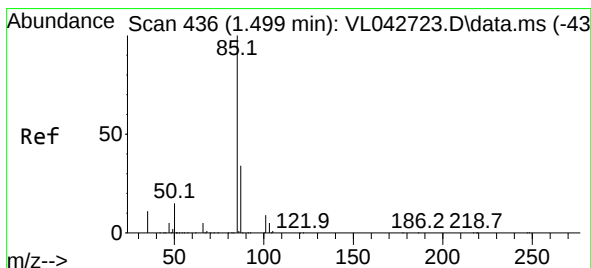
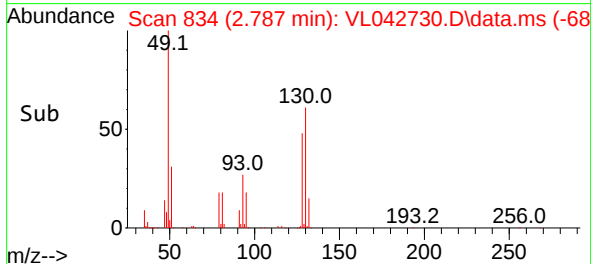
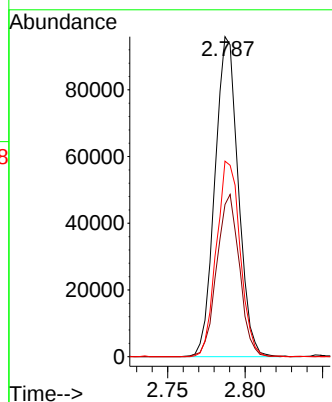
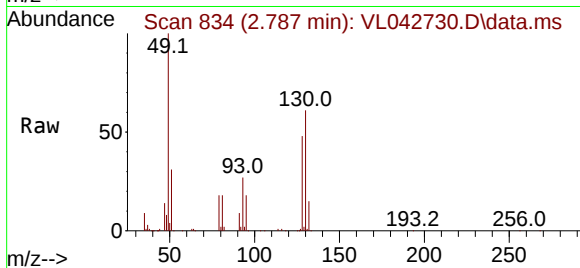




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

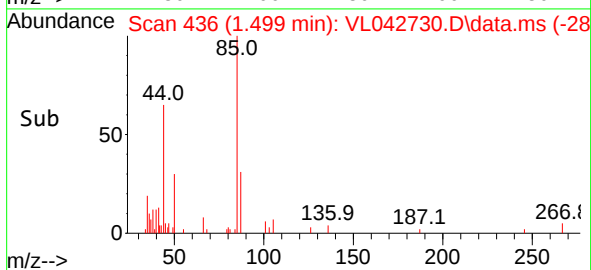
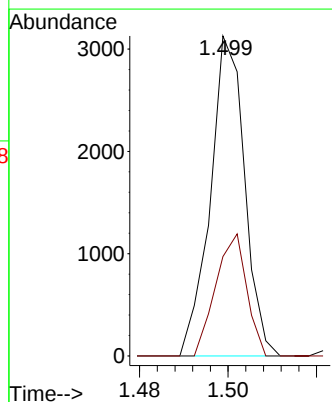
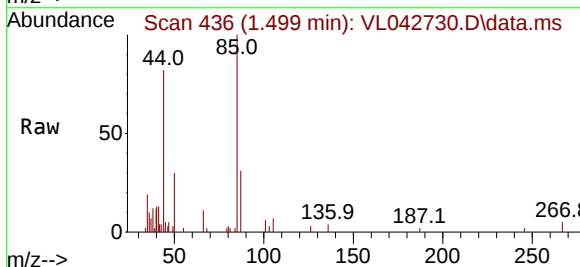
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

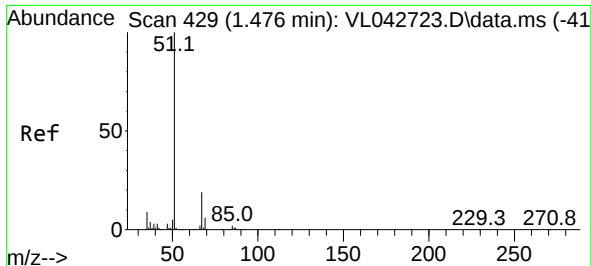
Tgt Ion: 49 Resp: 100463
Ion Ratio Lower Upper
49 100
128 49.4 24.5 73.5
130 62.1 31.7 95.1



#2
Dichlorodifluoromethane
Concen: 0.107 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 85 Resp: 1683
Ion Ratio Lower Upper
85 100
87 31.0 27.5 41.3

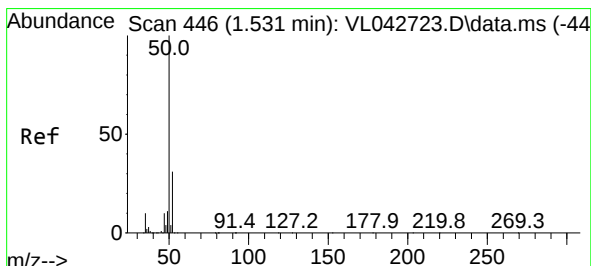
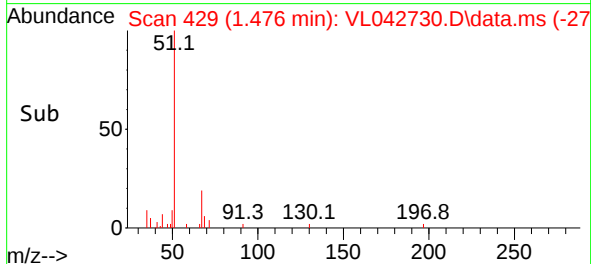
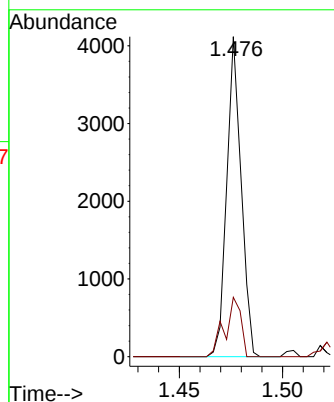
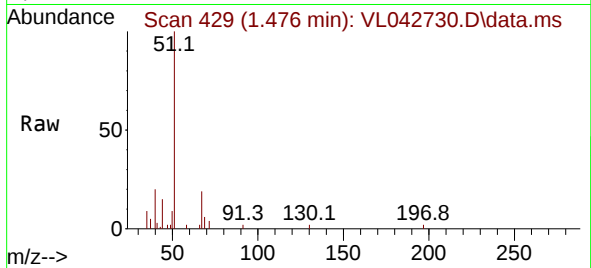




#3
Chlorodifluoromethane
Concen: 0.112 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

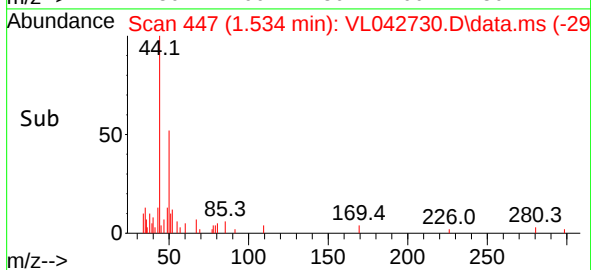
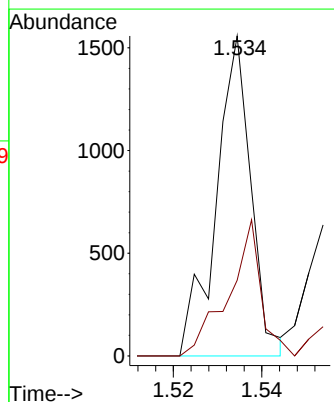
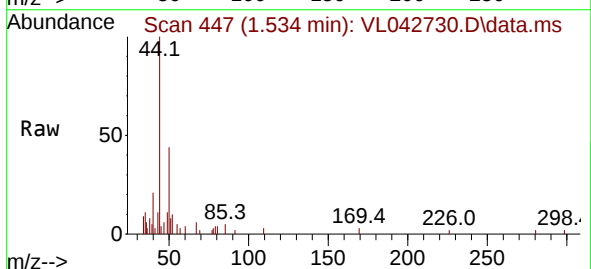
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

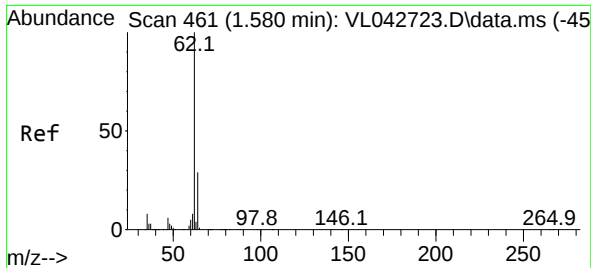
Tgt Ion: 51 Resp: 1993
Ion Ratio Lower Upper
51 100
67 20.5 16.0 24.0



#4
Chloromethane
Concen: 0.133 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 50 Resp: 852
Ion Ratio Lower Upper
50 100
52 23.6 24.9 37.3#

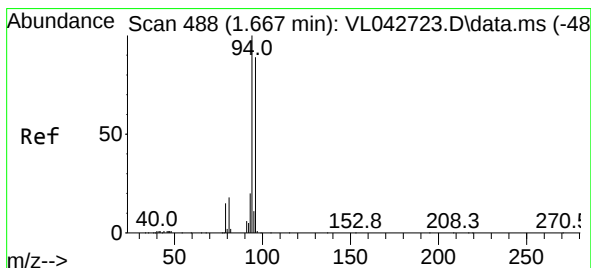
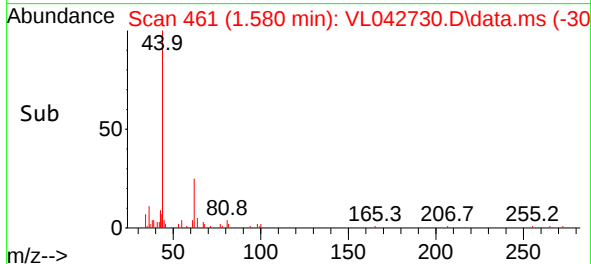
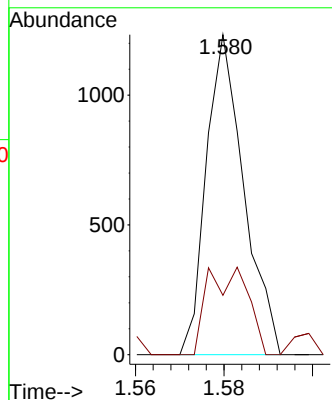
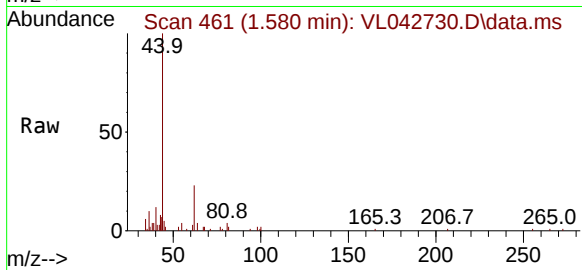




#5
 Vinyl Chloride
 Concen: 0.115 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

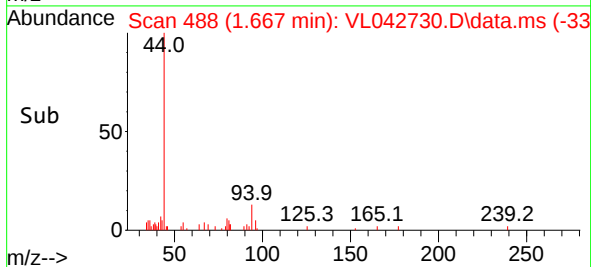
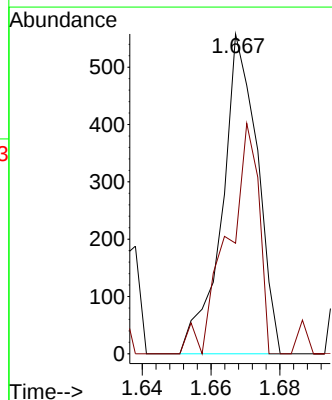
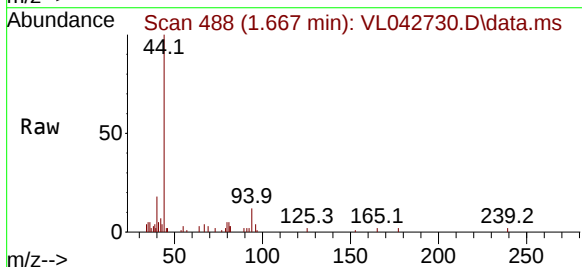
Instrument :
 MSVOA_1
 ClientSampleId :
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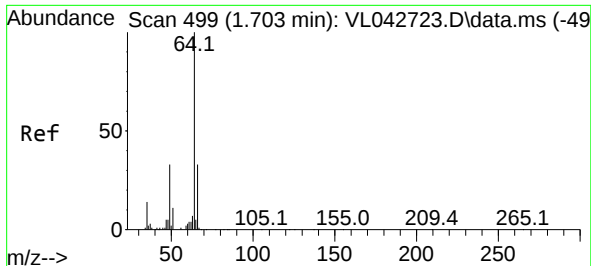
Tgt Ion: 62 Resp: 729
 Ion Ratio Lower Upper
 62 100
 64 18.6 23.0 34.6#



#6
 Bromomethane
 Concen: 0.155 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

Tgt Ion: 94 Resp: 397
 Ion Ratio Lower Upper
 94 100
 96 34.6 71.1 106.7#

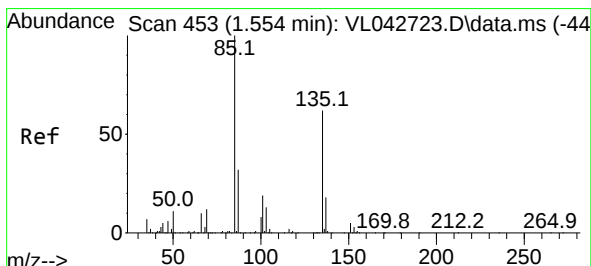
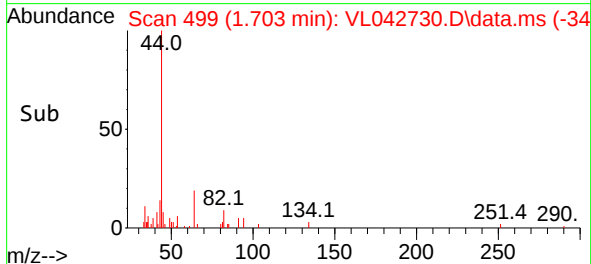
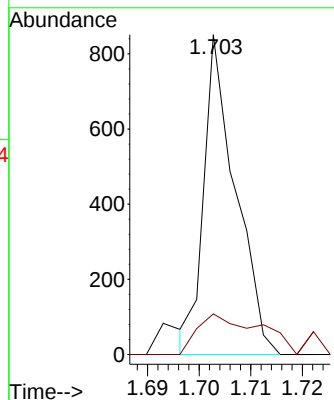
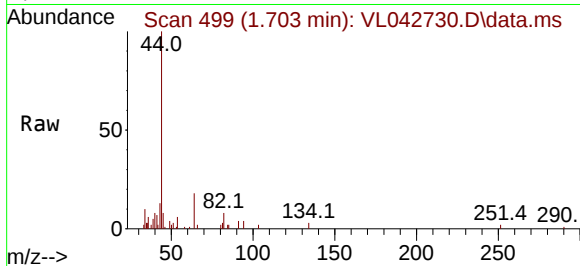




#7
Chloroethane
Concen: 0.150 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

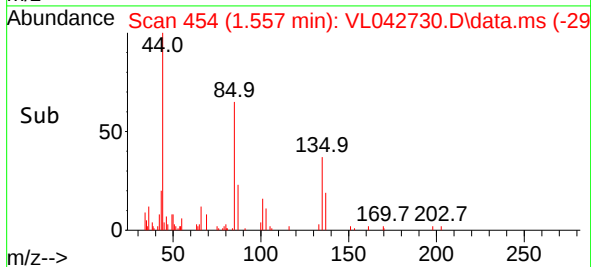
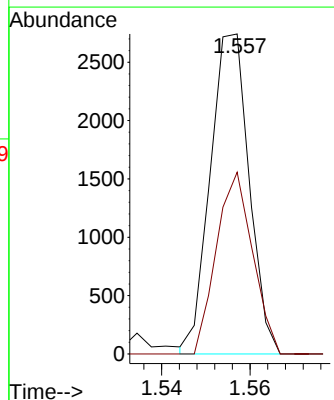
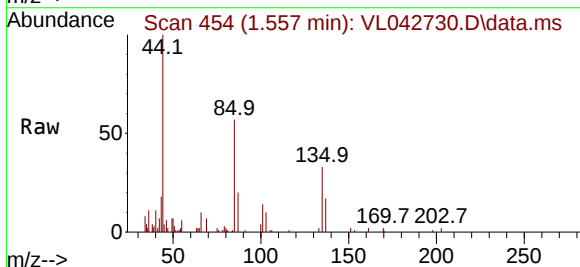
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

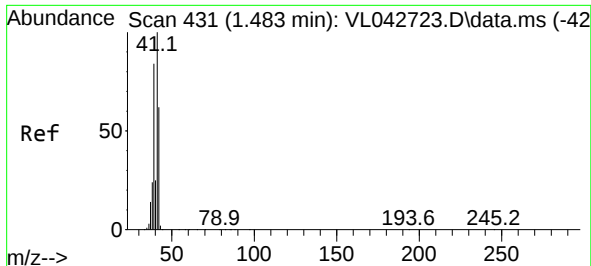
Tgt Ion: 64 Resp: 363
Ion Ratio Lower Upper
64 100
66 12.7 26.4 39.6#



#8
Dichlorotetrafluoroethane
Concen: 0.127 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 85 Resp: 1677
Ion Ratio Lower Upper
85 100
135 52.8 52.0 78.0





#9

Propene

Concen: 0.120 ppbv

RT: 1.609 min Scan# 41

Delta R.T. 0.126 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

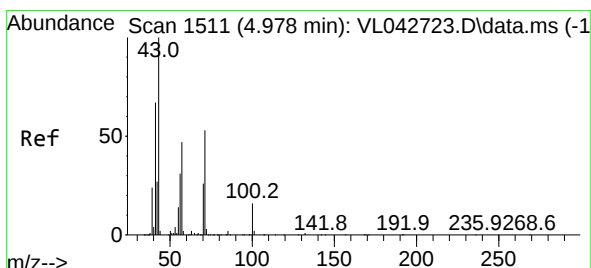
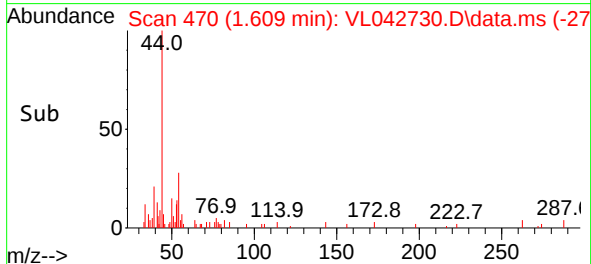
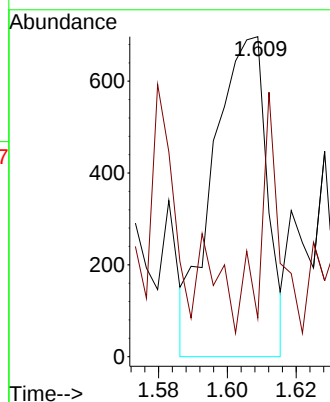
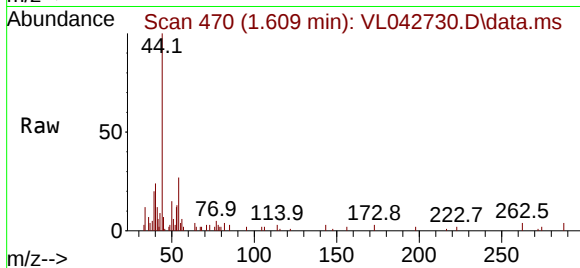
VSTDIC0.1

Tgt Ion: 41 Resp: 756

Ion Ratio Lower Upper

41 100

42 77.2 52.0 78.0



#10

Heptane

Concen: 0.045 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. -0.003 min

Lab File: VL042730.D

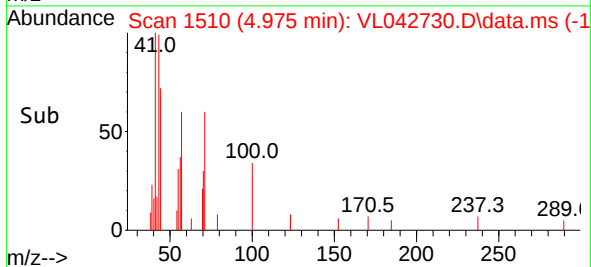
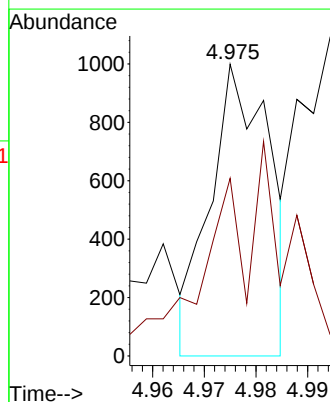
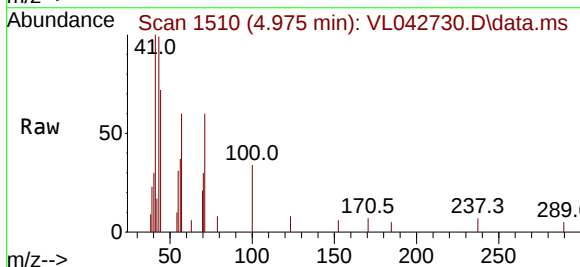
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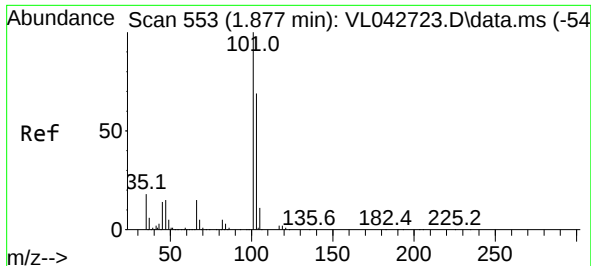
Tgt Ion: 43 Resp: 798

Ion Ratio Lower Upper

43 100

57 113.4 39.1 58.7#

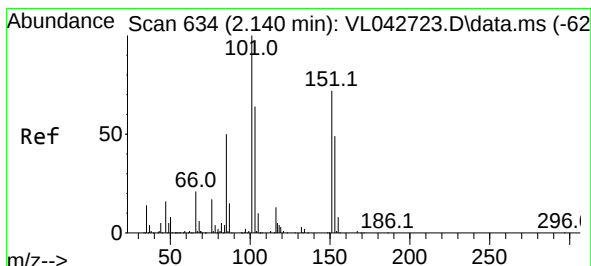
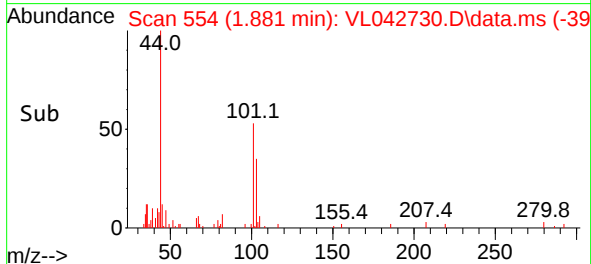
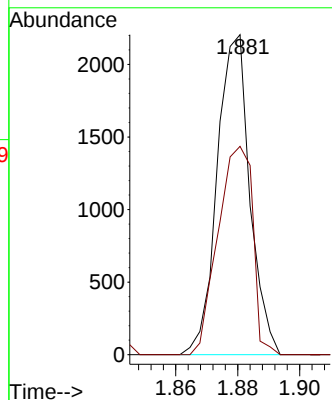
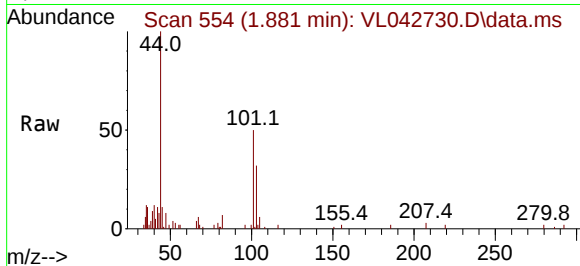




#11
 Trichlorofluoromethane
 Concen: 0.100 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

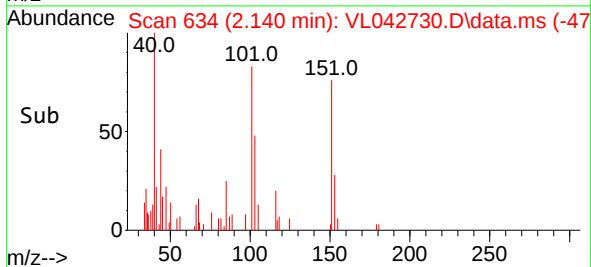
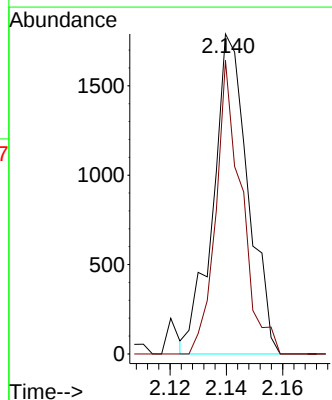
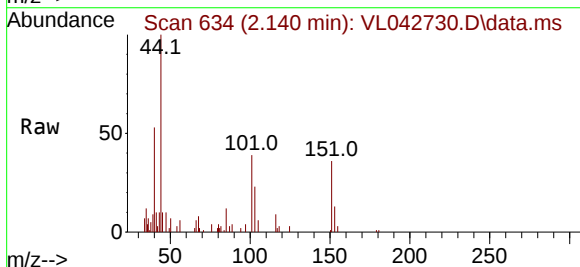
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

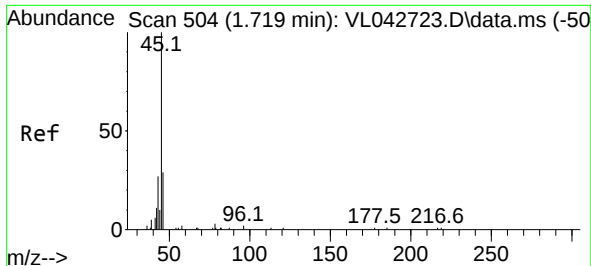
Tgt Ion:101 Resp: 1618
 Ion Ratio Lower Upper
 101 100
 103 65.1 55.2 82.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.122 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

Tgt Ion:101 Resp: 1545
 Ion Ratio Lower Upper
 101 100
 151 67.2 59.1 88.7





#13

Ethanol

Concen: 1.240 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.168 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

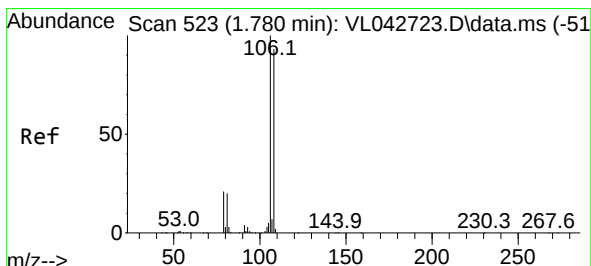
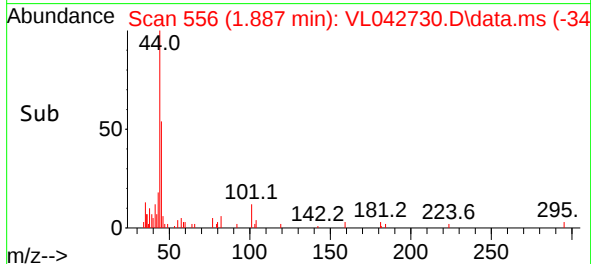
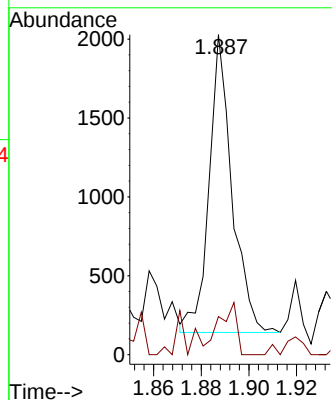
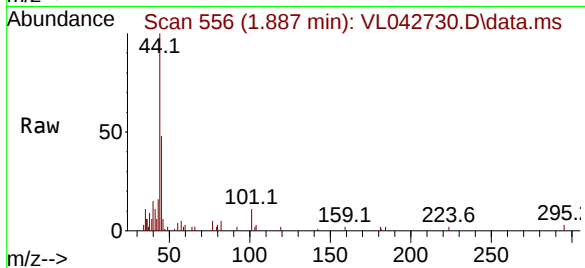
VSTDICC0.1

Tgt Ion: 45 Resp: 1259

Ion Ratio Lower Upper

45 100

46 0.0 16.3 65.1#



#14

Bromoethene

Concen: 0.117 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

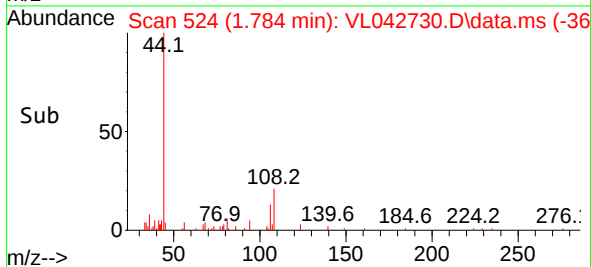
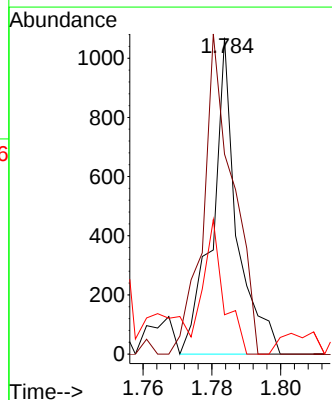
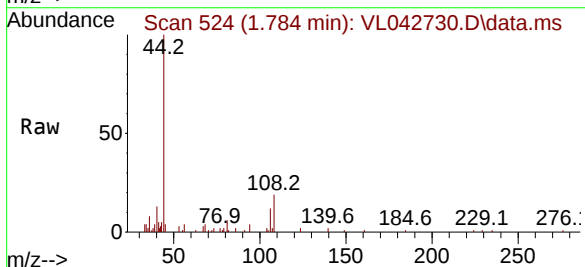
Tgt Ion: 108 Resp: 529

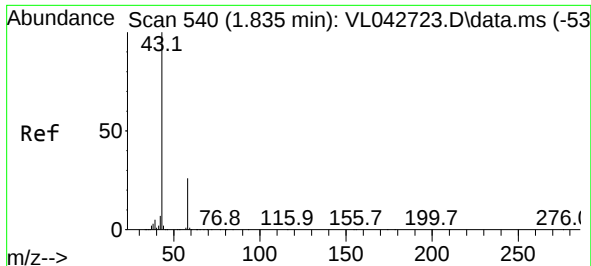
Ion Ratio Lower Upper

108 100

106 124.0 85.4 128.0

79 0.0 17.4 26.2#

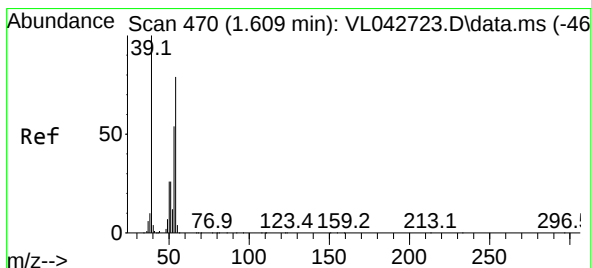
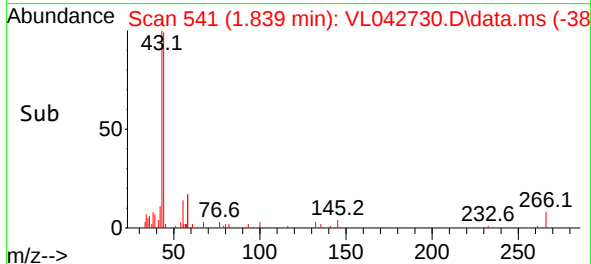
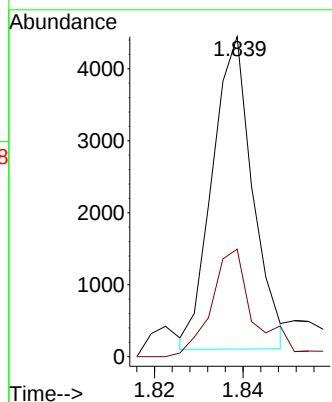
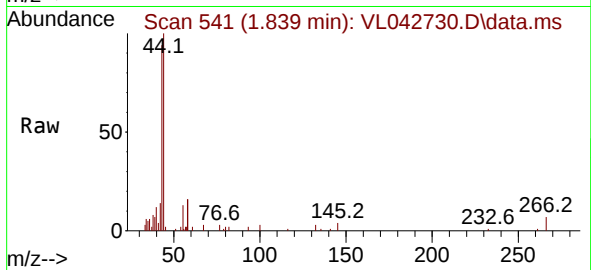




#15
Acetone
Concen: 0.164 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

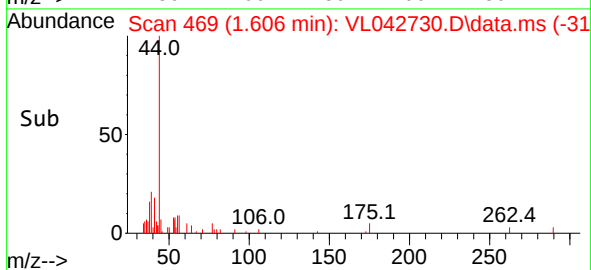
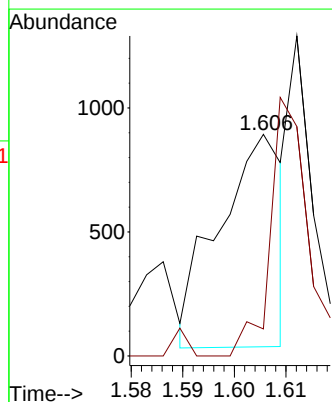
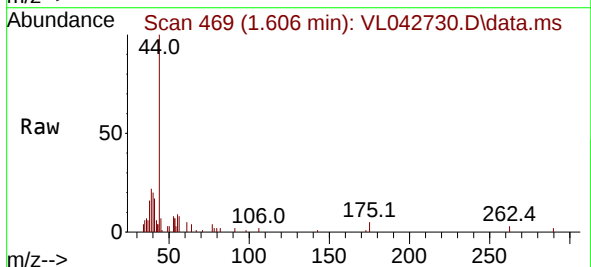
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

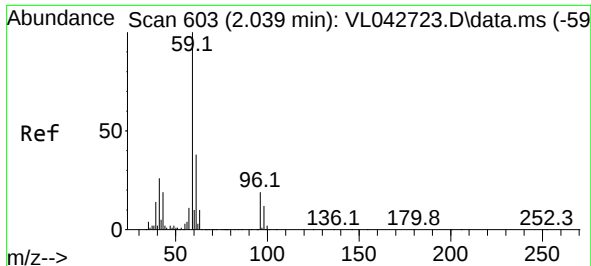
Tgt Ion: 43 Resp: 2753
Ion Ratio Lower Upper
43 100
58 38.6 20.5 30.7#



#16
1,3-Butadiene
Concen: 0.101 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 39 Resp: 731
Ion Ratio Lower Upper
39 100
54 75.4 54.6 82.0

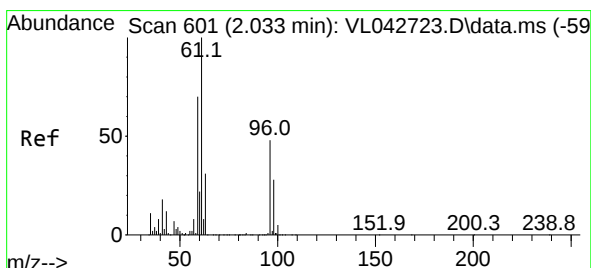
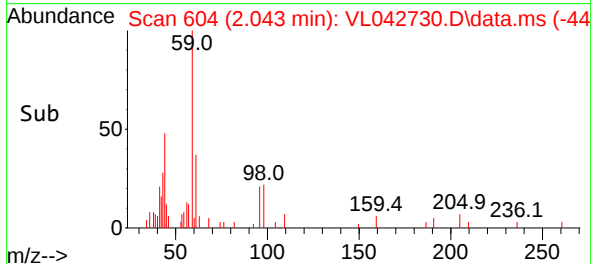
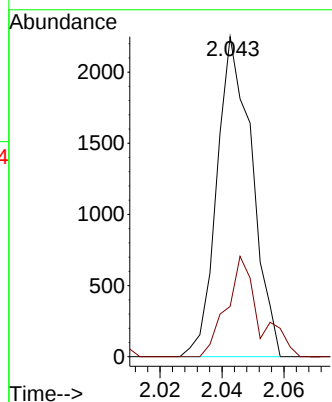
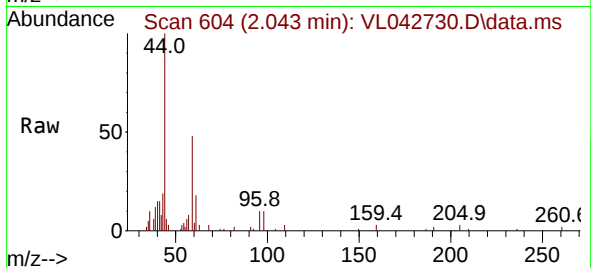




#17
tert-Butyl alcohol
Concen: 0.111 ppbv
RT: 2.043 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

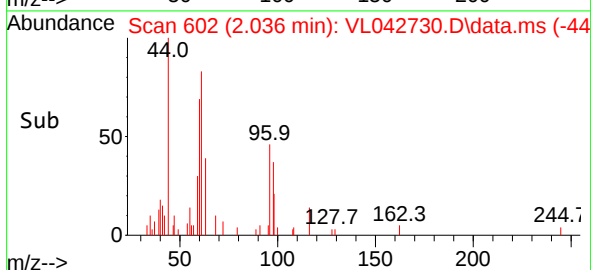
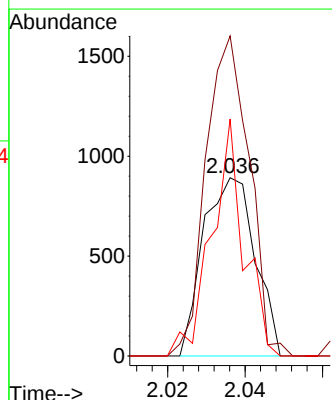
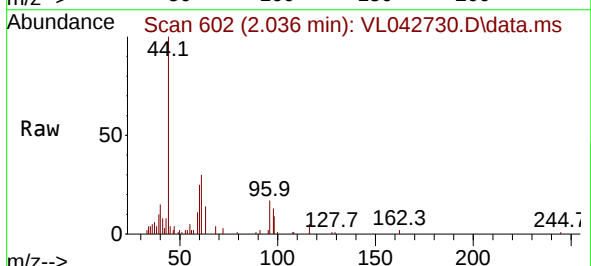
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

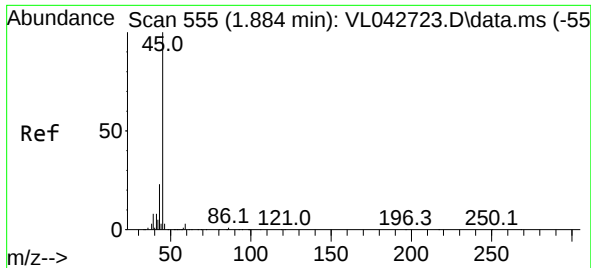
Tgt Ion: 59 Resp: 1768
Ion Ratio Lower Upper
59 100
57 29.0 9.1 13.7#



#18
1,1-Dichloroethene
Concen: 0.154 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 96 Resp: 829
Ion Ratio Lower Upper
96 100
61 172.9 166.2 249.4
98 133.0 46.1 69.1#





#19

Isopropyl Alcohol

Concen: 0.141 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

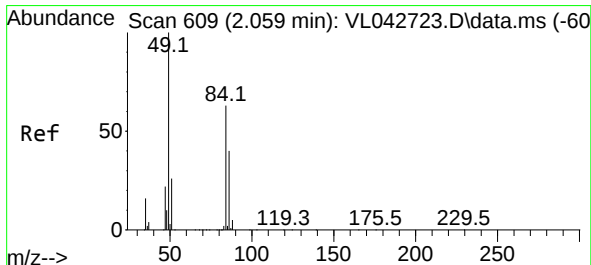
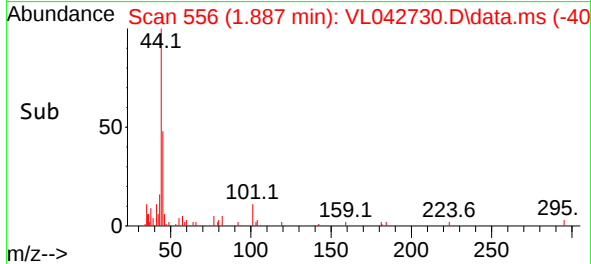
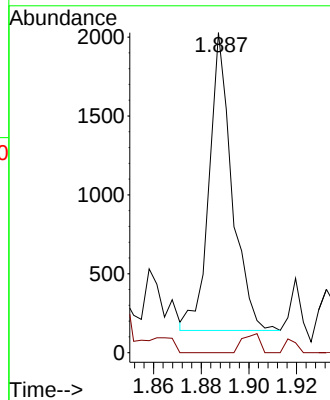
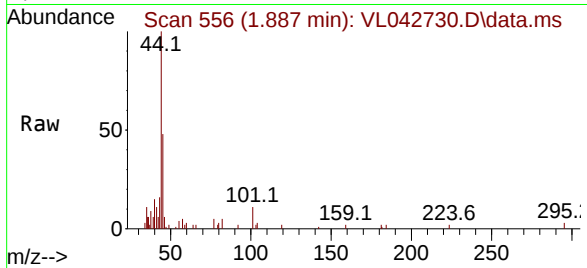
VSTDIC0.1

Tgt Ion: 45 Resp: 1259

Ion Ratio Lower Upper

45 100

58 7.1 30.6 46.0#



#20

Methylene Chloride

Concen: 0.328 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Tgt Ion: 84 Resp: 1734

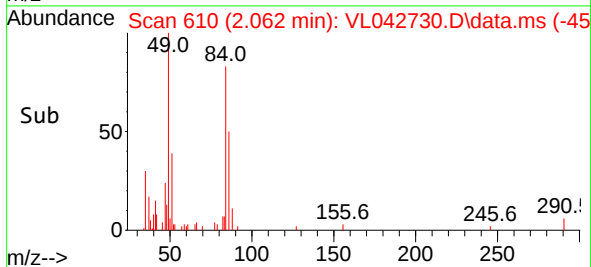
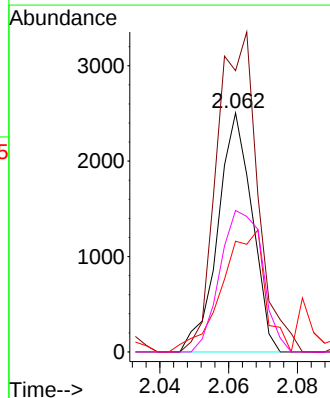
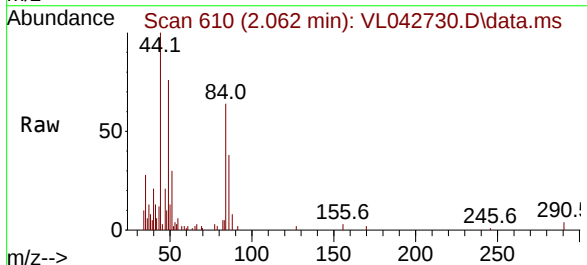
Ion Ratio Lower Upper

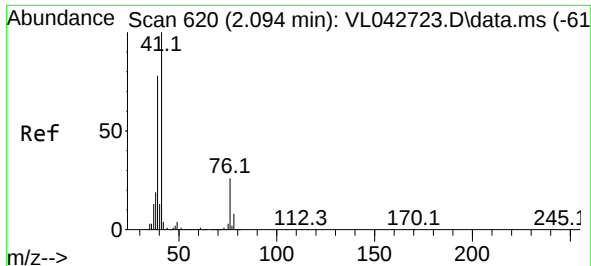
84 100

49 117.7 128.2 192.4#

51 43.2 34.5 51.7

86 59.2 51.4 77.2

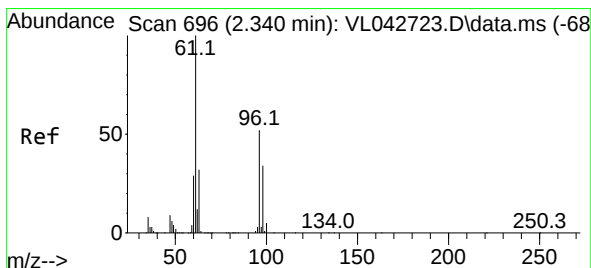
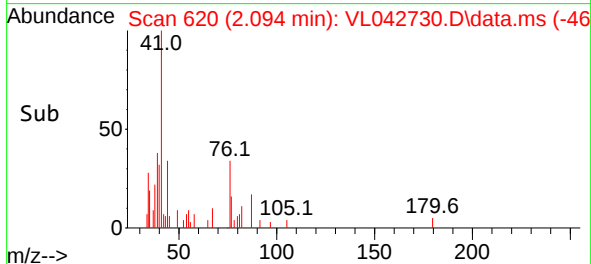
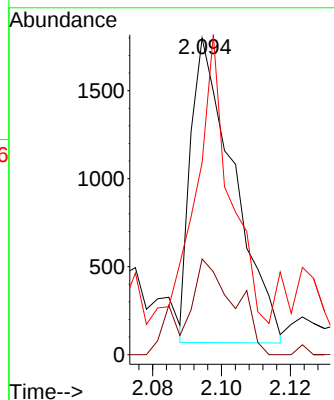
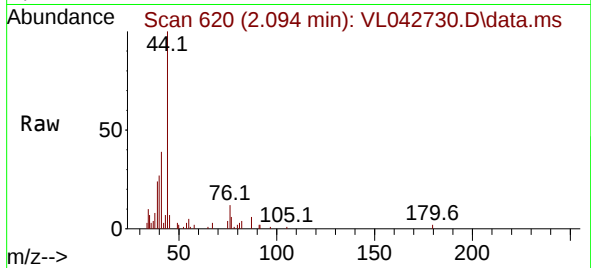




#21
 Allyl Chloride
 Concen: 0.139 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

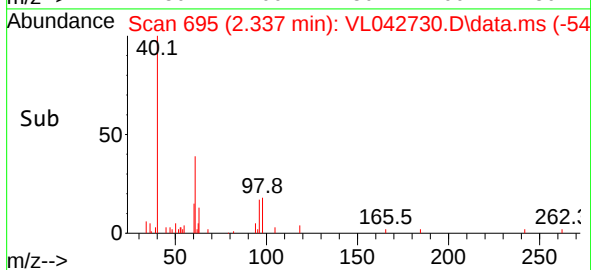
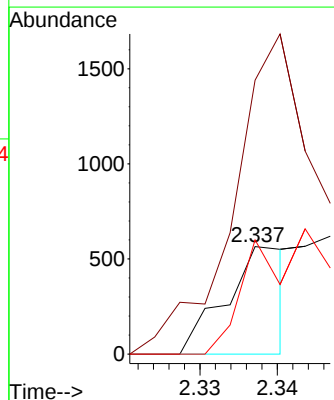
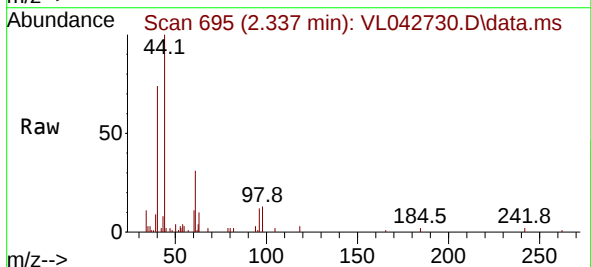
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

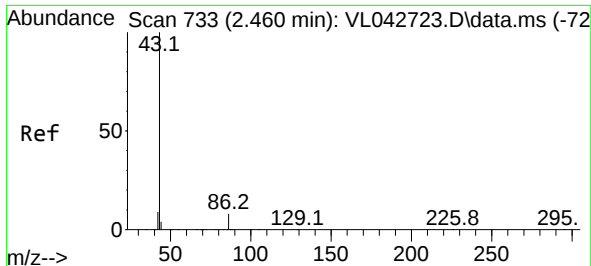
Tgt Ion: 41 Resp: 1501
 Ion Ratio Lower Upper
 41 100
 76 35.8 22.1 33.1#
 39 153.8 64.7 97.1#



#22
 trans-1,2-Dichloroethene
 Concen: 0.051 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

Tgt Ion: 96 Resp: 314
 Ion Ratio Lower Upper
 96 100
 61 206.7 154.6 232.0
 98 106.2 53.1 79.7#

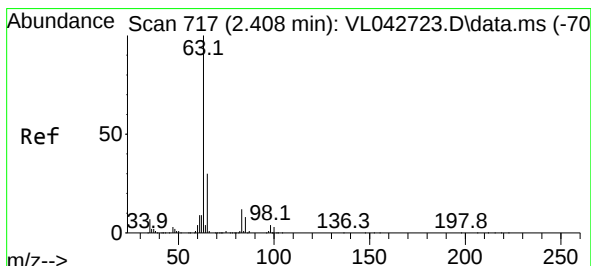
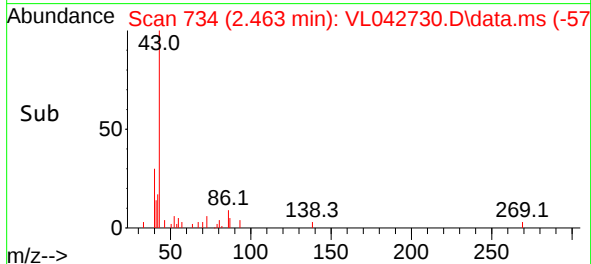
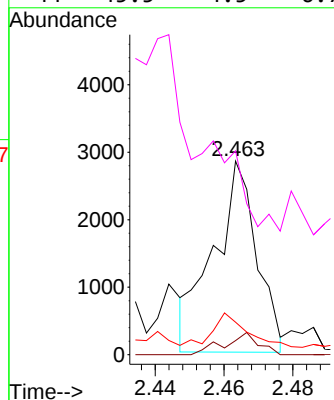
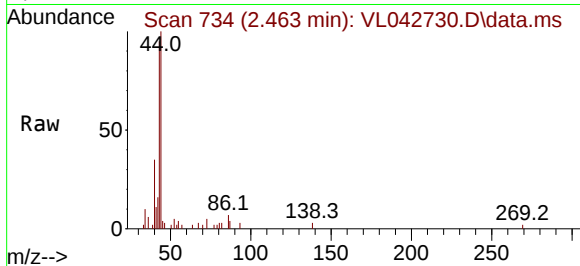




#23
 Vinyl Acetate
 Concen: 0.129 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

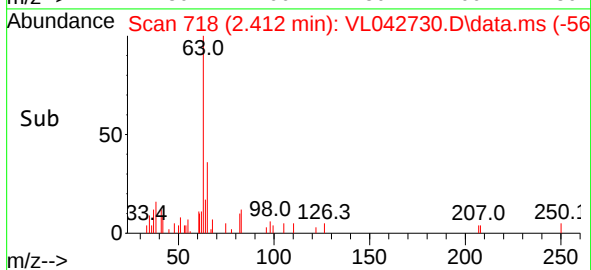
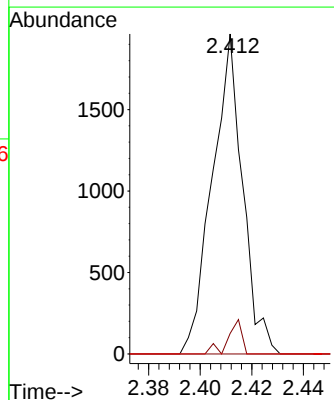
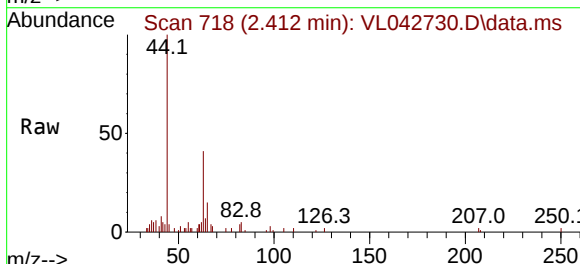
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

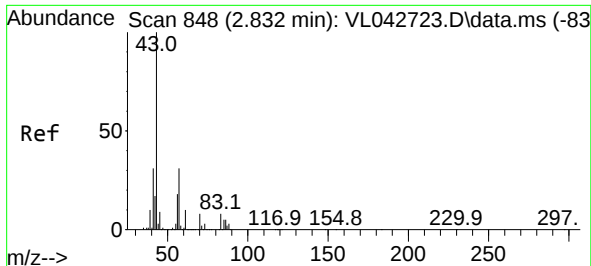
Tgt Ion:	43	Resp:	2471
Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.7	8.5
42	13.1	7.9	11.9#
44	45.5	4.5	6.7#



#24
 1,1-Dichloroethane
 Concen: 0.130 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

Tgt Ion:	63	Resp:	1605
Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.0	5.8#
100	0.0	1.6	4.7#

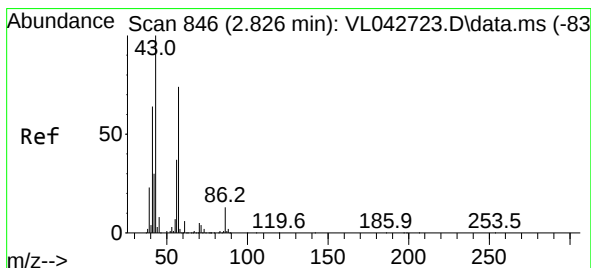
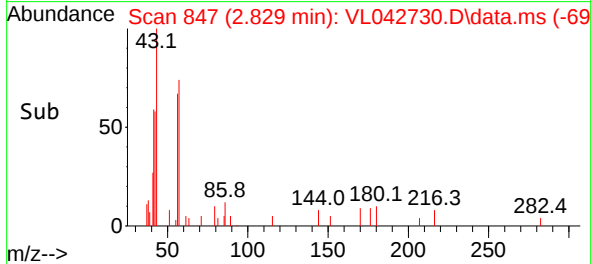
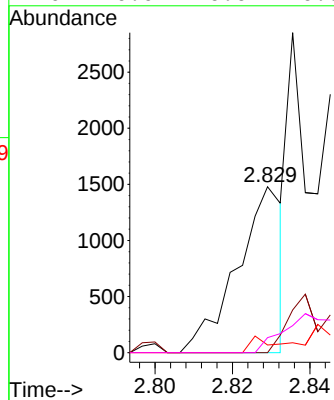
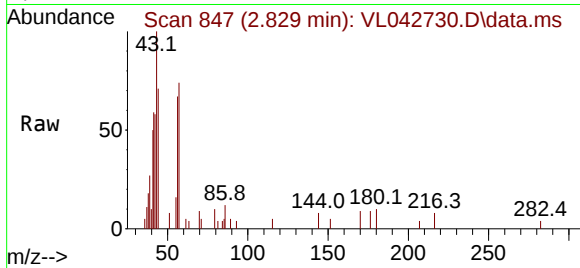




#25
Ethyl Acetate
Concen: 0.039 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

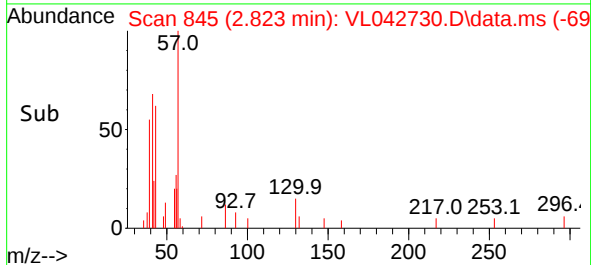
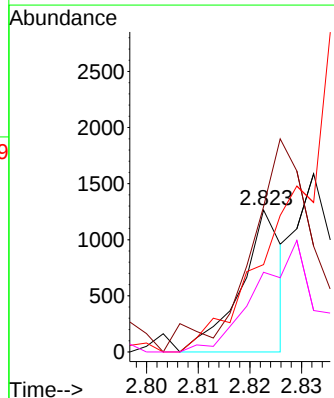
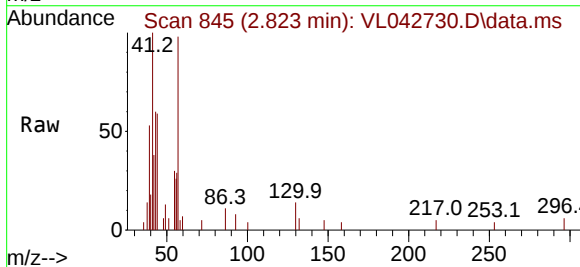
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

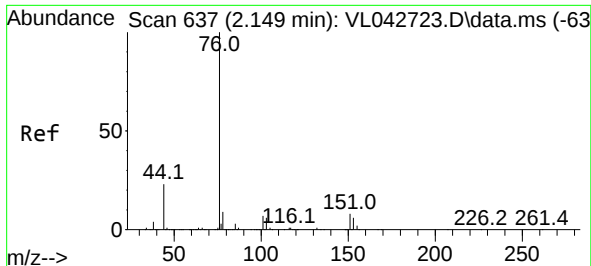
Tgt Ion: 43	Resp:	1205
Ion	Ratio	Lower Upper
43	100	
45	0.0	7.8 11.6#
61	0.0	7.0 10.6#
70	0.0	6.6 10.0#



#26
Hexane
Concen: 0.051 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 57	Resp:	700
Ion	Ratio	Lower Upper
57	100	
41	0.0	77.3 115.9#
43	0.0	182.3 273.5#
56	0.0	42.5 63.7#





#27

Carbon Disulfide

Concen: 0.107 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

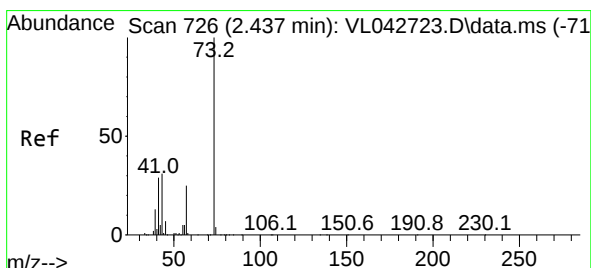
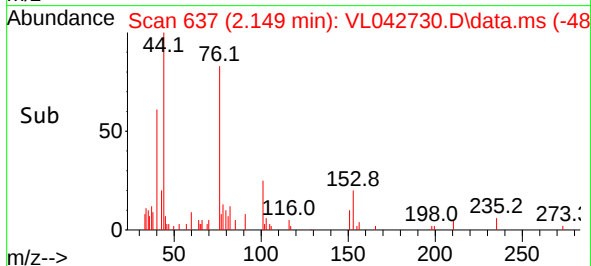
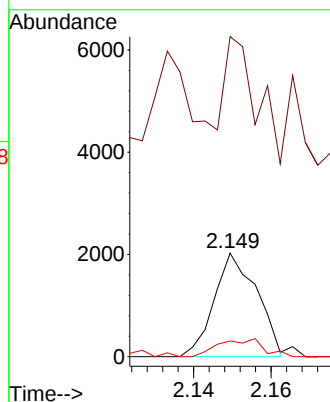
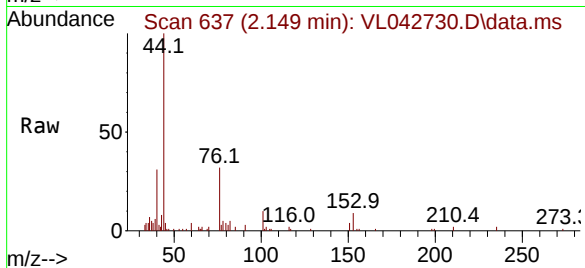
Tgt Ion: 76 Resp: 1555

Ion Ratio Lower Upper

76 100

44 261.4 18.8 28.2#

78 24.1 9.5 14.3#



#28

Methyl tert-Butyl Ether

Concen: 0.148 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.003 min

Lab File: VL042730.D

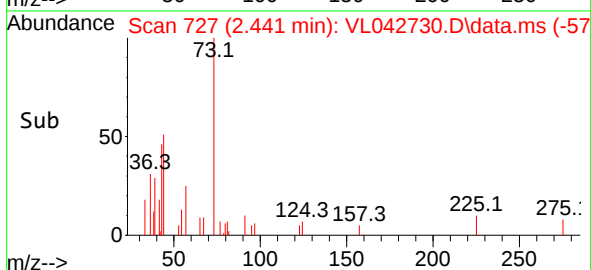
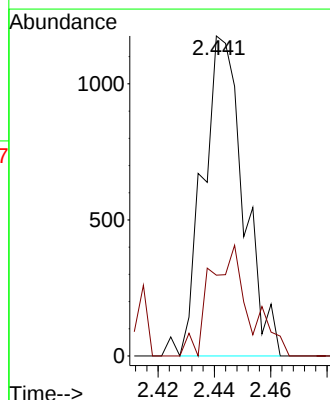
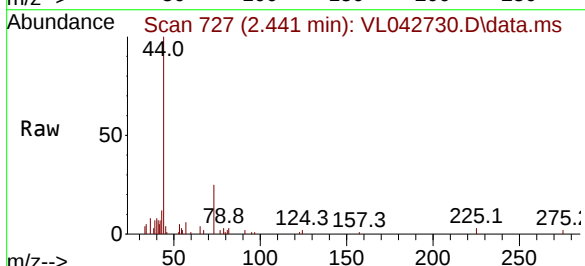
Acq: 22 Jul 2025 12:56

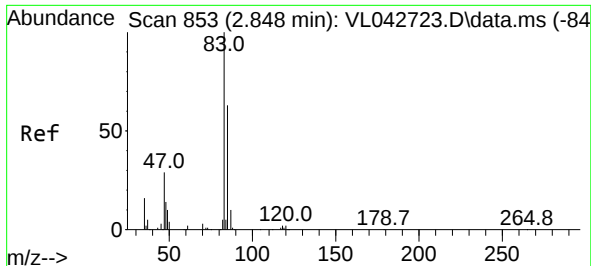
Tgt Ion: 73 Resp: 1170

Ion Ratio Lower Upper

73 100

57 33.7 19.8 29.8#





#29

Chloroform

Concen: 0.116 ppbv

RT: 2.852 min Scan# 853

Delta R.T. 0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_L

ClientSampleId :

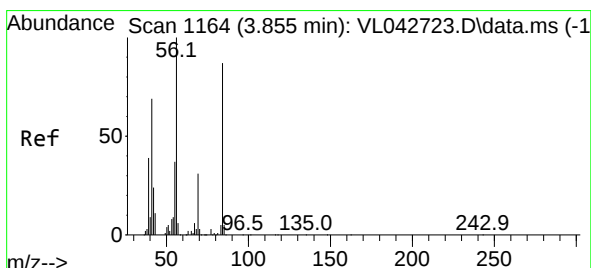
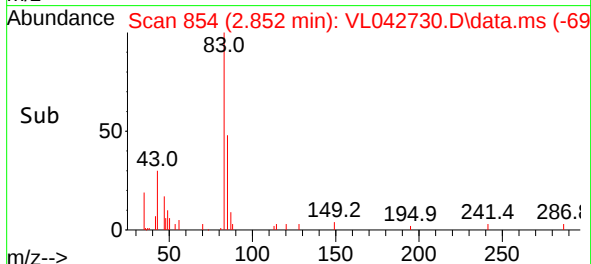
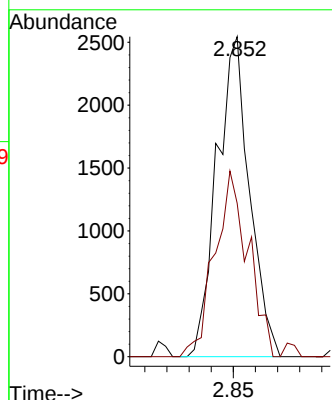
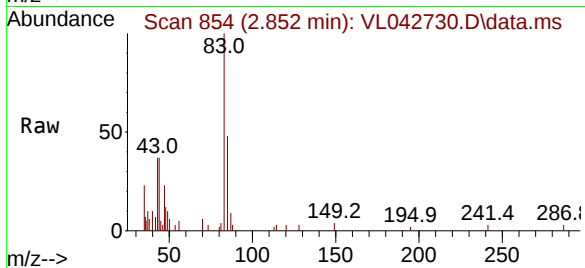
VSTDIC0.1

Tgt Ion: 83 Resp: 2606

Ion Ratio Lower Upper

83 100

85 47.9 50.9 76.3#



#30

Cyclohexane

Concen: 0.045 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

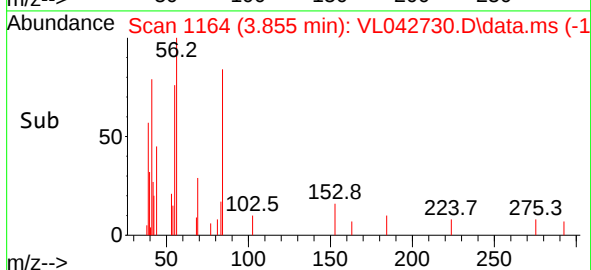
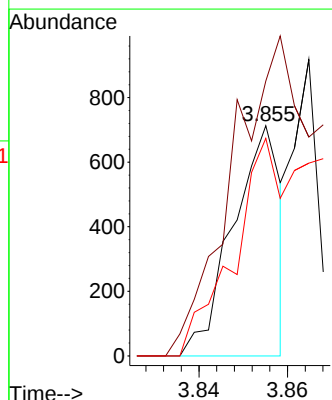
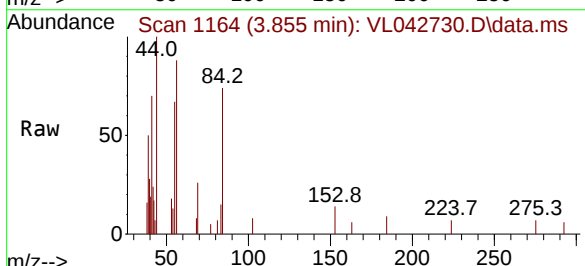
Tgt Ion: 84 Resp: 537

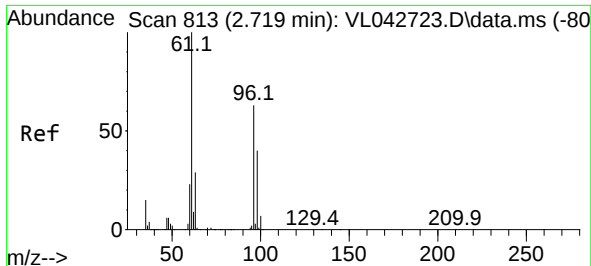
Ion Ratio Lower Upper

84 100

56 291.1 94.2 141.4#

41 205.2 66.4 99.6#

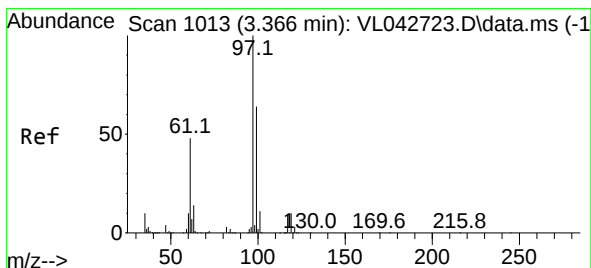
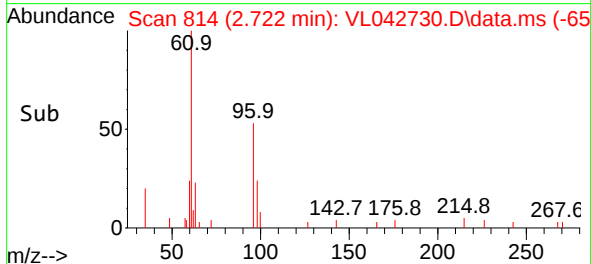
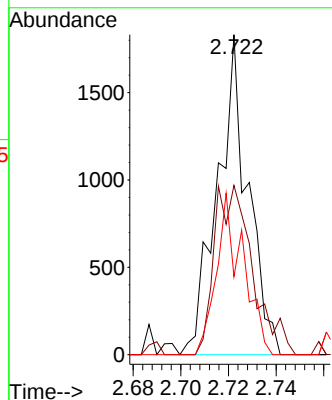
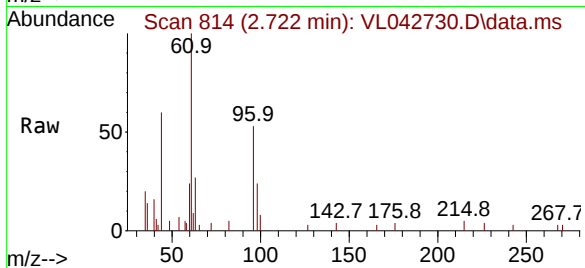




#31
 cis-1,2-Dichloroethene
 Concen: 0.111 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

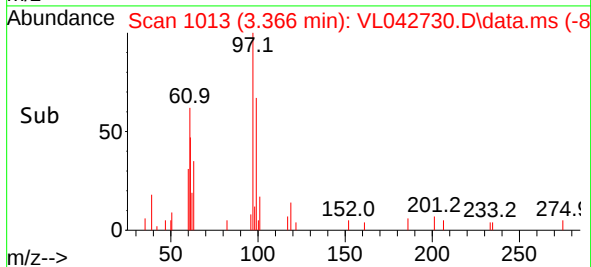
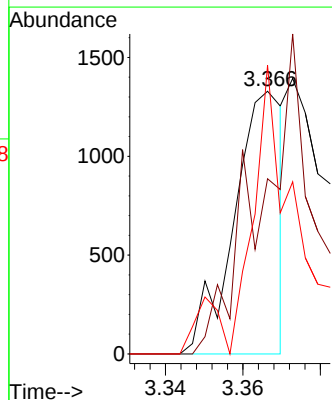
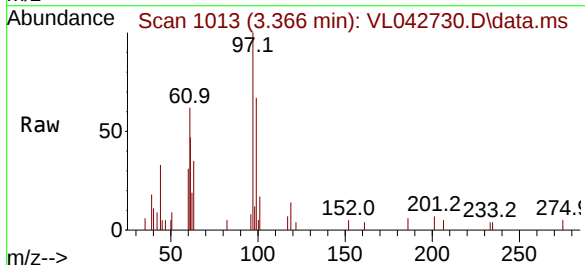
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

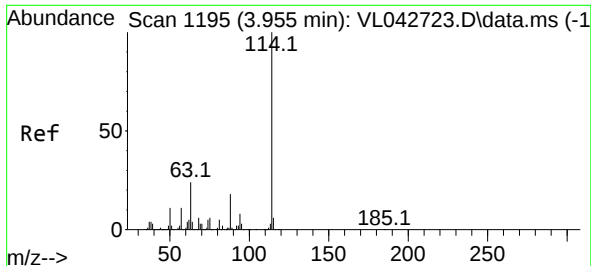
Tgt Ion: 61 Resp: 1633
 Ion Ratio Lower Upper
 61 100
 96 52.9 50.6 75.8
 98 24.4 32.2 48.2#



#32
 1,1,1-Trichloroethane
 Concen: 0.049 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

Tgt Ion: 97 Resp: 1157
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.4 77.0#
 61 111.0 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: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

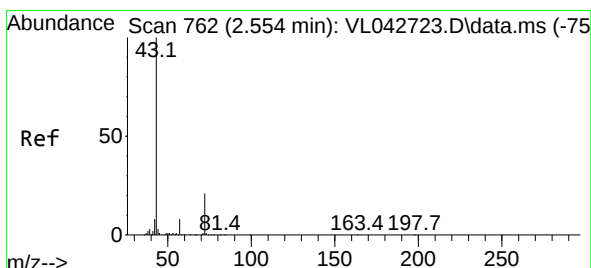
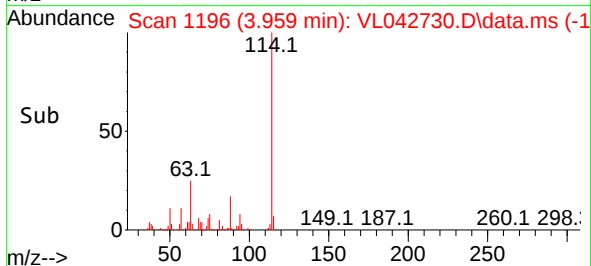
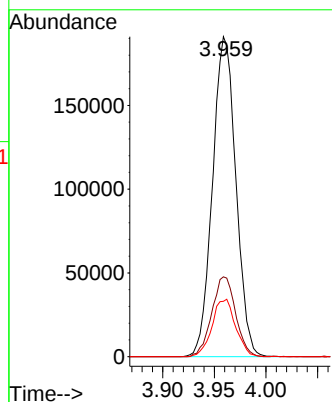
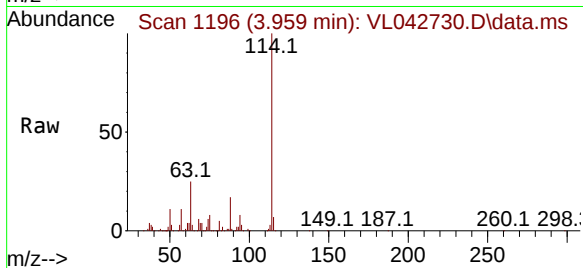
Tgt Ion:114 Resp: 300245

Ion Ratio Lower Upper

114 100

63 25.5 20.4 30.6

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 0.136 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.010 min

Lab File: VL042730.D

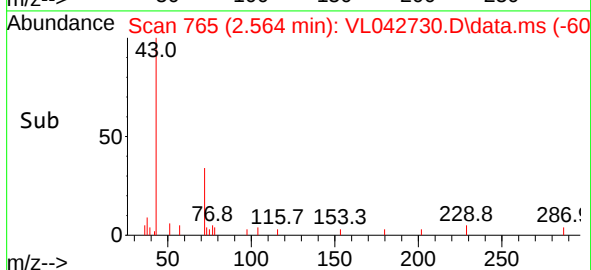
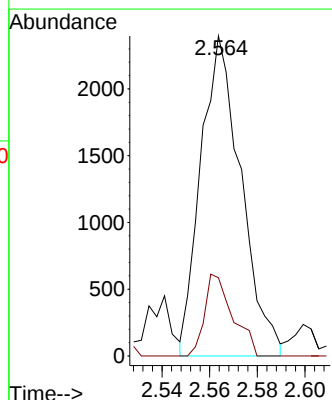
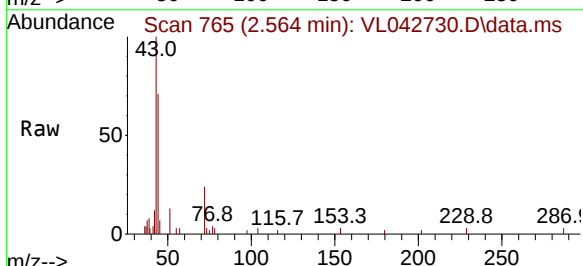
Acq: 22 Jul 2025 12:56

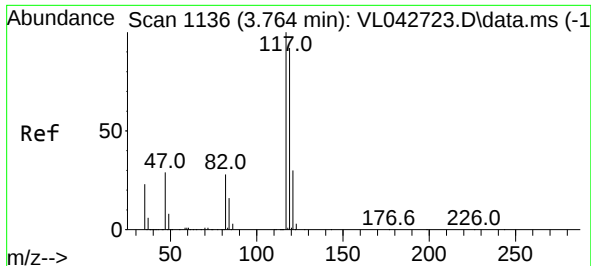
Tgt Ion: 43 Resp: 2806

Ion Ratio Lower Upper

43 100

72 17.9 17.0 25.6

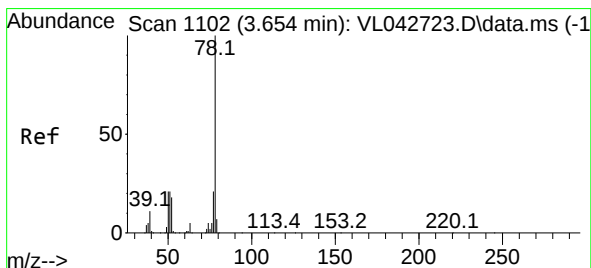
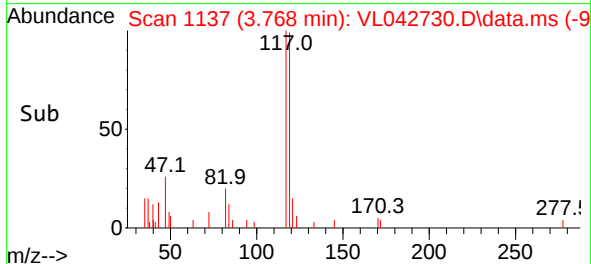
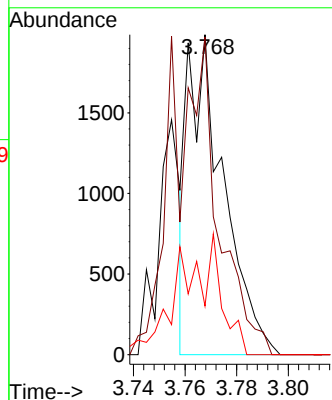
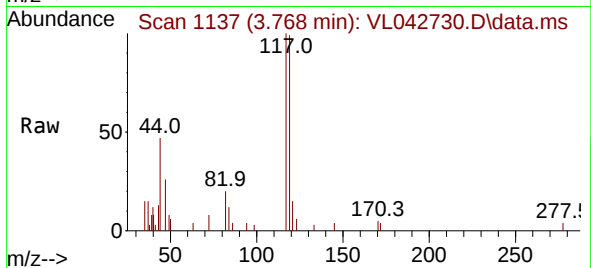




#35
Carbon Tetrachloride
Concen: 0.078 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

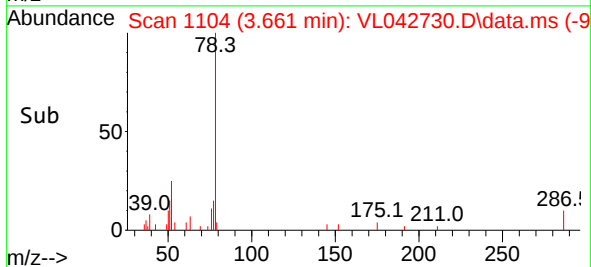
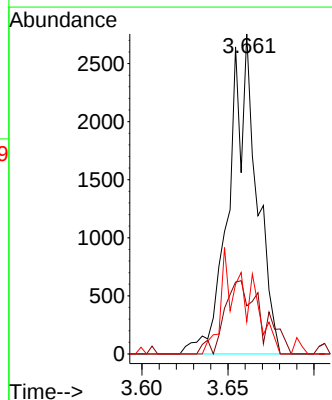
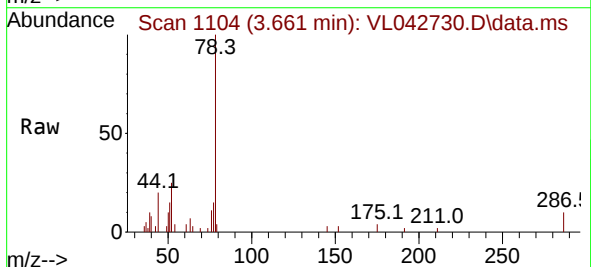
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

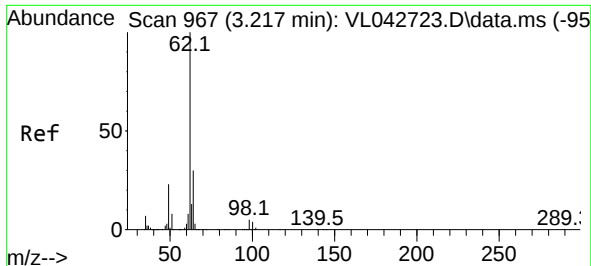
Tgt Ion:117 Resp: 1909
Ion Ratio Lower Upper
117 100
119 99.2 73.7 110.5
121 15.2 23.8 35.8#



#36
Benzene
Concen: 0.110 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.007 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 78 Resp: 3075
Ion Ratio Lower Upper
78 100
77 15.0 17.0 25.4#
50 10.1 16.9 25.3#





#37

1,2-Dichloroethane

Concen: 0.069 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.007 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

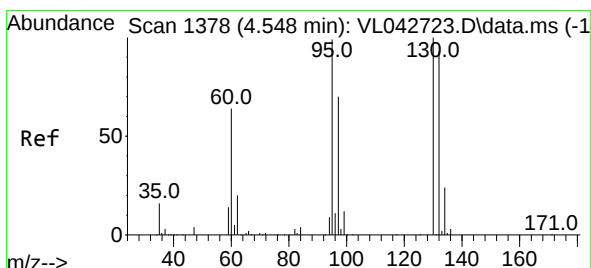
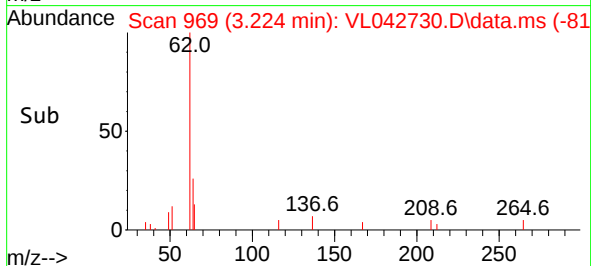
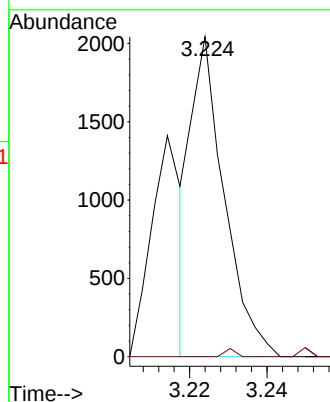
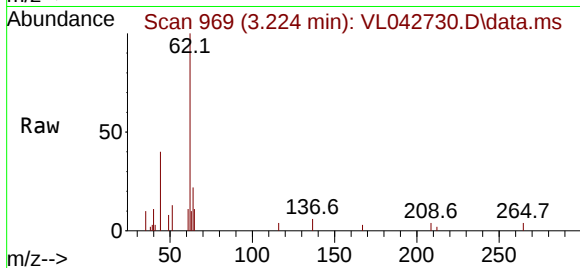
VSTDIC0.1

Tgt Ion: 62 Resp: 1228

Ion Ratio Lower Upper

62 100

98 0.0 4.8 7.2#



#38

Trichloroethene

Concen: 0.061 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.007 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Tgt Ion:130 Resp: 830

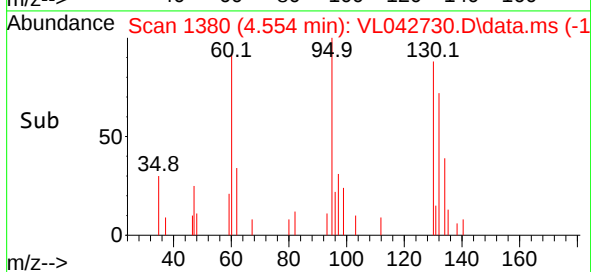
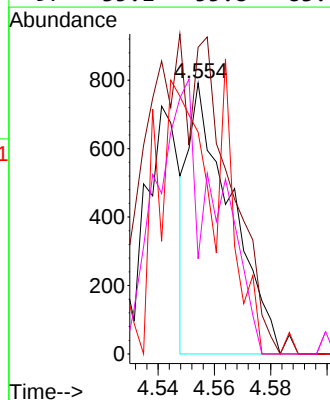
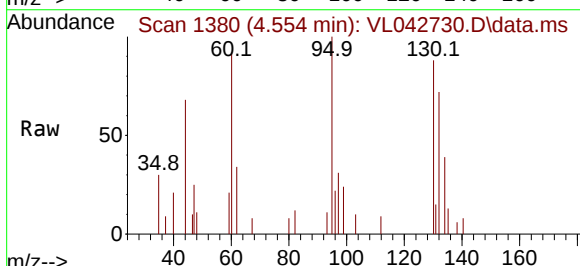
Ion Ratio Lower Upper

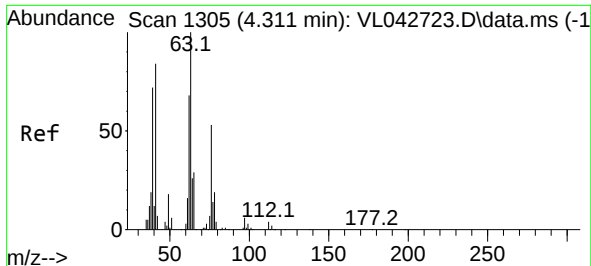
130 100

95 113.1 79.2 118.8

132 81.8 74.1 111.1

97 35.1 55.8 83.6#





#39

1,2-Dichloropropane

Concen: 7.359 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.353 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

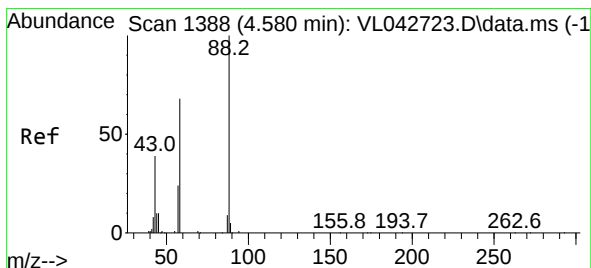
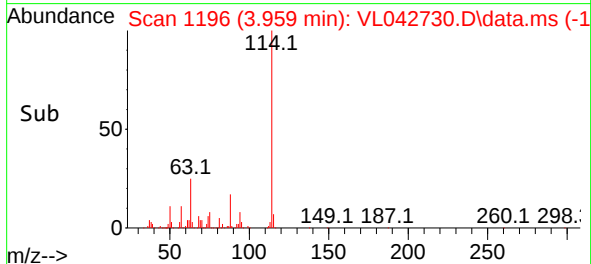
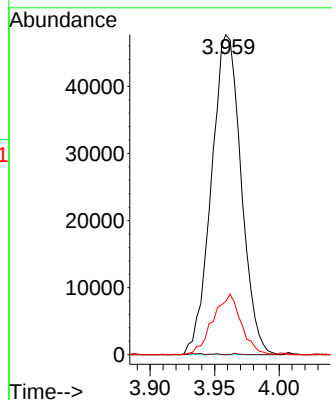
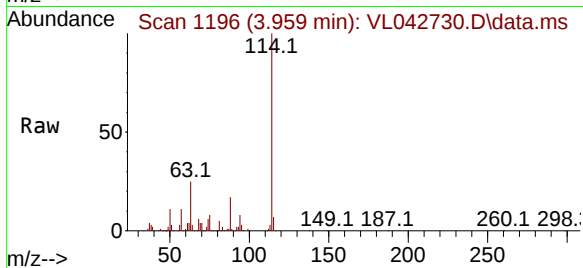
Tgt Ion: 63 Resp: 76430

Ion Ratio Lower Upper

63 100

41 0.0 67.7 101.5#

62 16.7 54.1 81.1#



#40

1,4-Dioxane

Concen: 0.039 ppbv

RT: 4.612 min Scan# 1398

Delta R.T. 0.032 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Tgt Ion: 88 Resp: 188

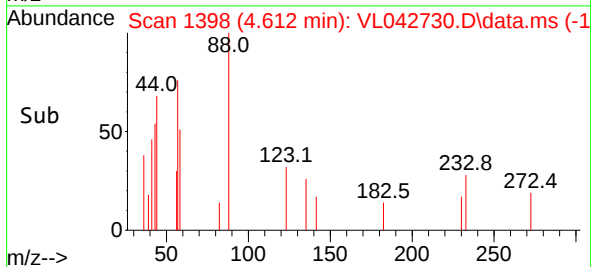
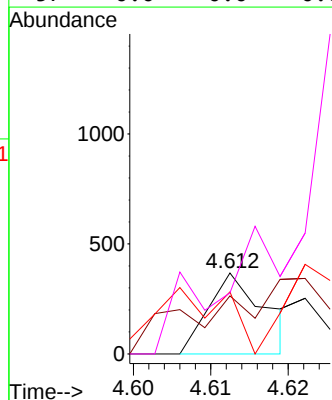
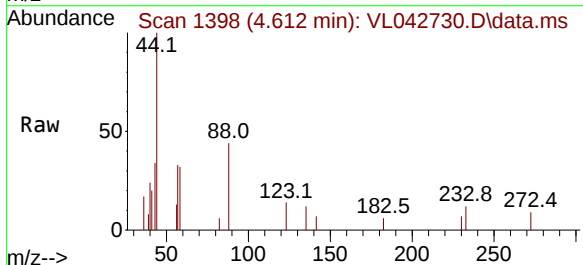
Ion Ratio Lower Upper

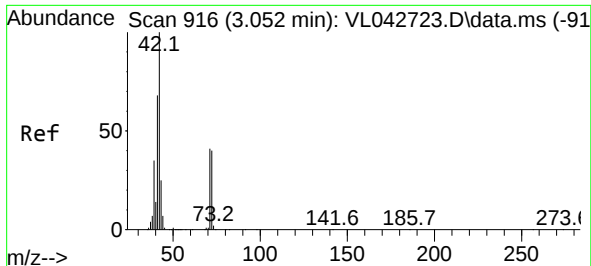
88 100

58 0.0 59.8 89.8#

43 53.7 32.6 48.8#

57 0.0 0.0 0.0

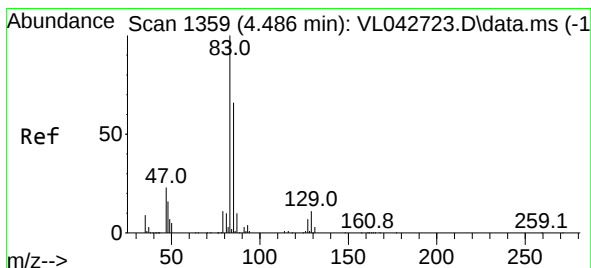
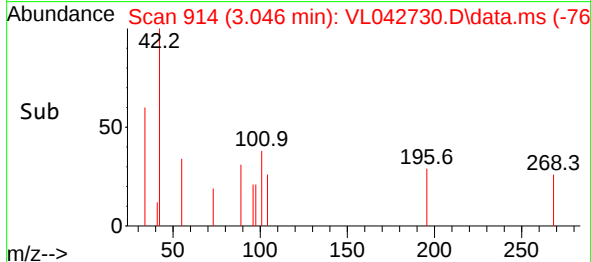
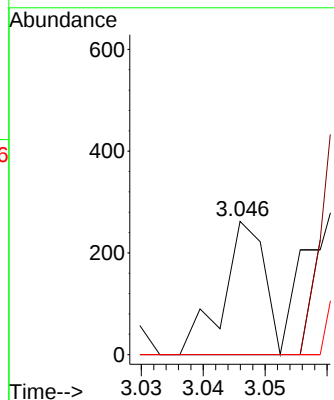
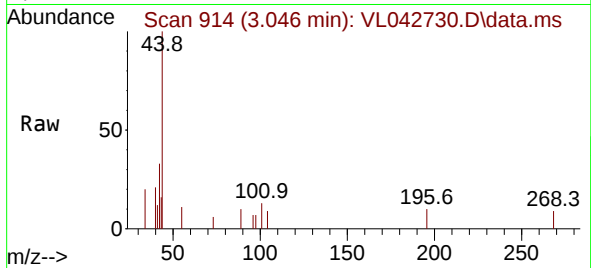




#41
Tetrahydrofuran
Concen: 0.011 ppbv
RT: 3.046 min Scan# 916
Delta R.T. -0.006 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

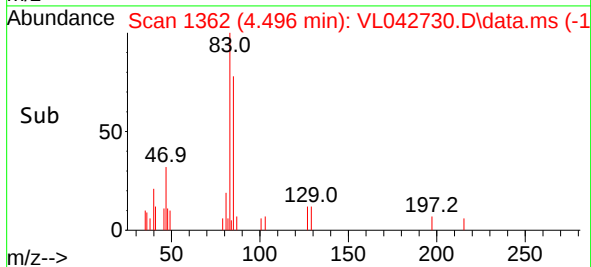
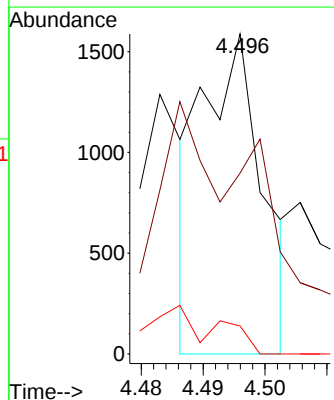
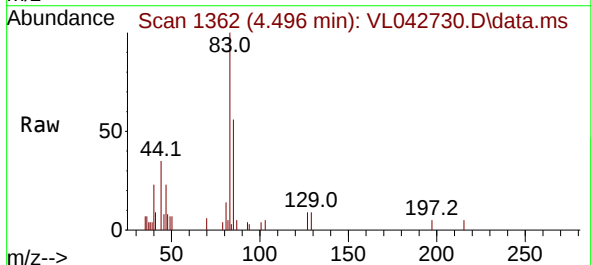
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

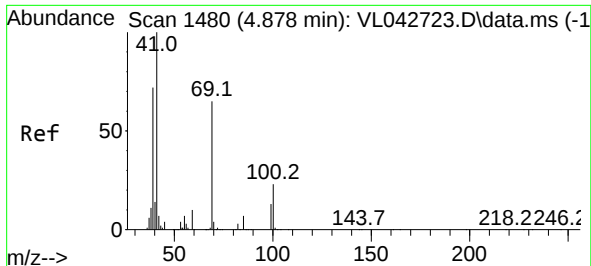
Tgt Ion: 42 Resp: 121
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.2#
71 0.0 29.8 44.6#



#42
Bromodichloromethane
Concen: 0.046 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.010 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 83 Resp: 1076
Ion Ratio Lower Upper
83 100
85 42.3 52.6 78.8#
127 15.1 6.0 9.0#

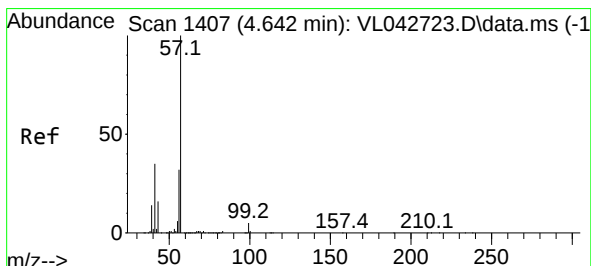
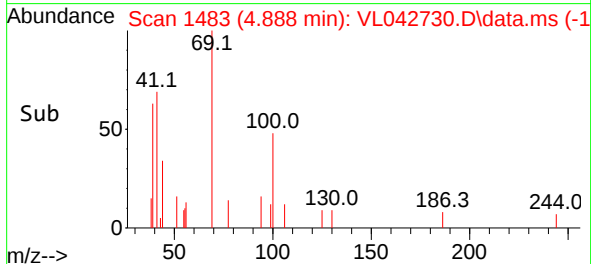
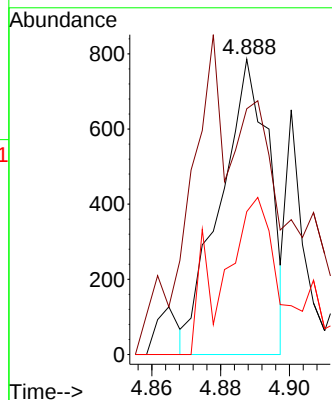
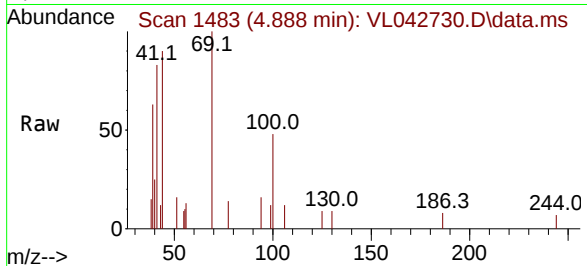




#43
Methyl Methacrylate
Concen: 0.073 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. 0.010 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

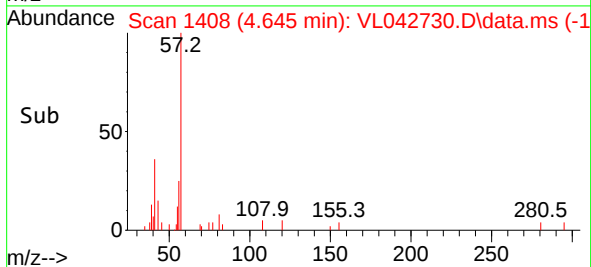
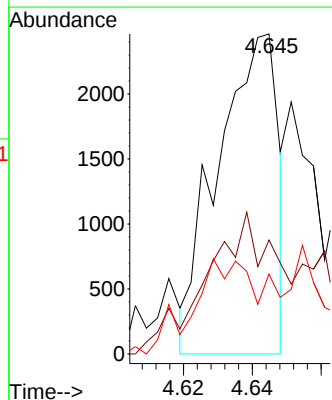
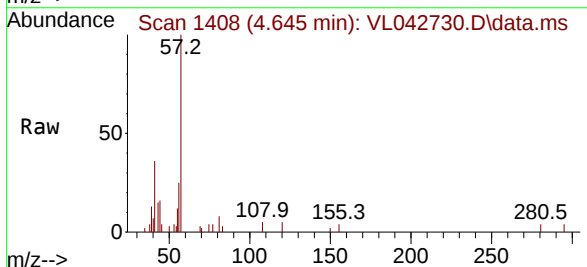
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

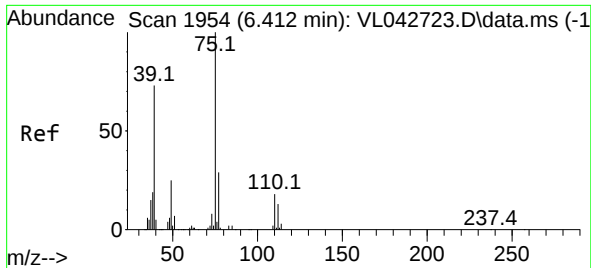
Tgt Ion: 69 Resp: 776
Ion Ratio Lower Upper
69 100
41 197.2 125.8 188.6#
100 68.4 29.9 44.9#



#44
2,2,4-Trimethylpentane
Concen: 0.065 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 57 Resp: 2995
Ion Ratio Lower Upper
57 100
41 80.2 29.4 44.0#
56 0.0 26.1 39.1#

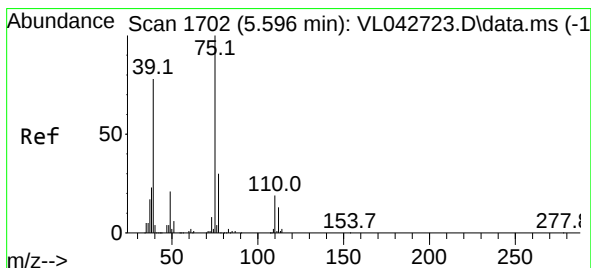
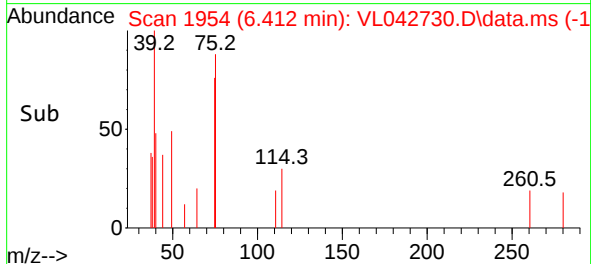
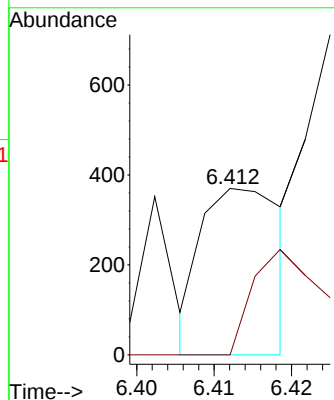
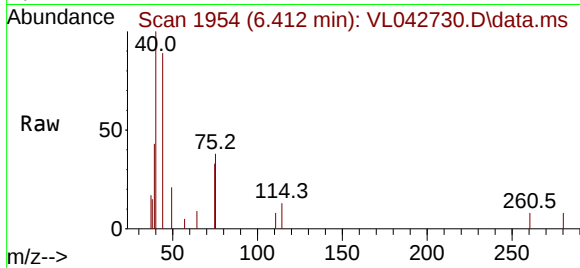




#45
 t-1,3-Dichloropropene
 Concen: 0.020 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. 0.000 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

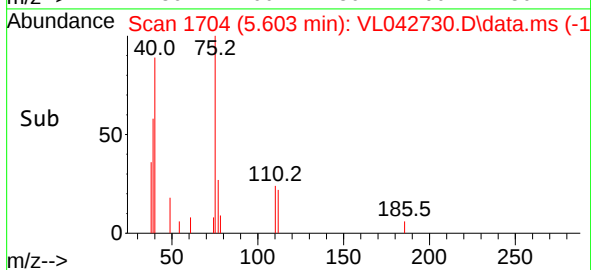
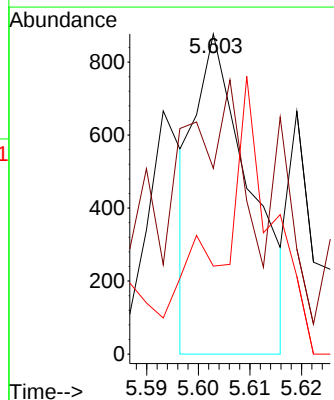
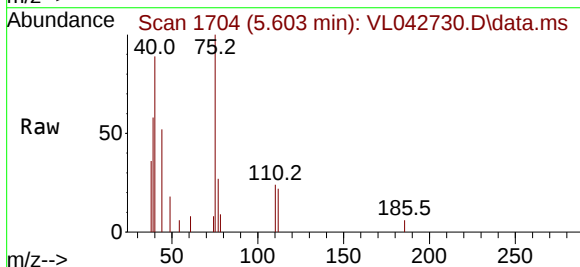
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

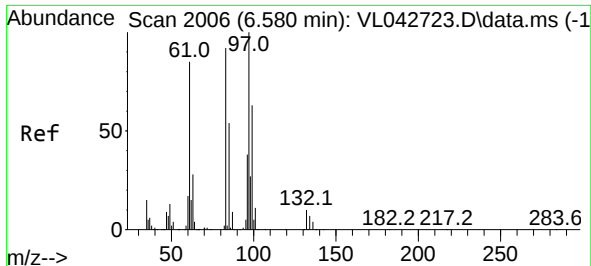
Tgt Ion: 75 Resp: 267
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.0 34.6#



#46
 cis-1,3-Dichloropropene
 Concen: 0.042 ppbv
 RT: 5.603 min Scan# 1704
 Delta R.T. 0.007 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

Tgt Ion: 75 Resp: 651
 Ion Ratio Lower Upper
 75 100
 39 0.0 62.1 93.1#
 77 5.8 24.0 36.0#





#47

1,1,2-Trichloroethane

Concen: 0.047 ppbv

RT: 6.584 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 536

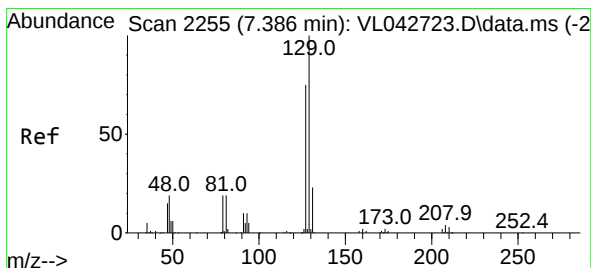
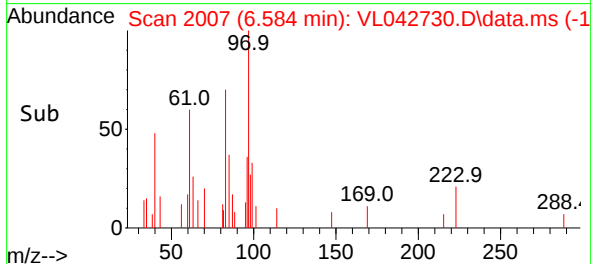
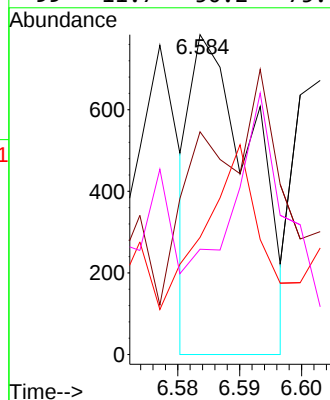
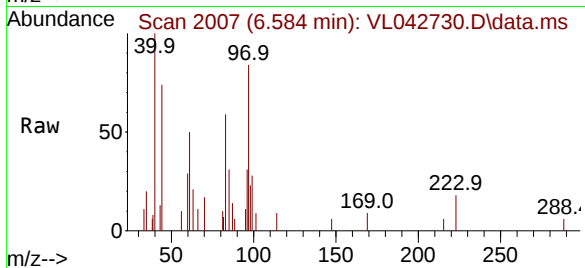
Ion Ratio Lower Upper

97 100

83 32.0 73.2 109.8#

85 21.9 42.7 64.1#

99 11.7 50.2 75.4#



#48

Dibromochloromethane

Concen: 0.094 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.007 min

Lab File: VL042730.D

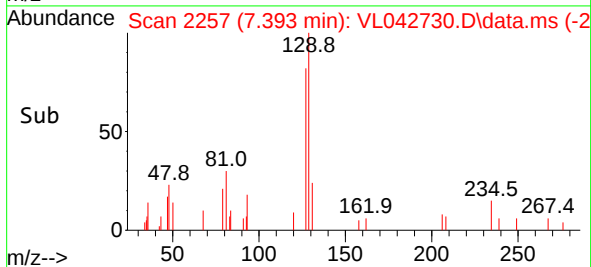
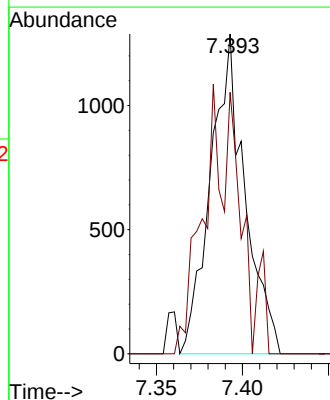
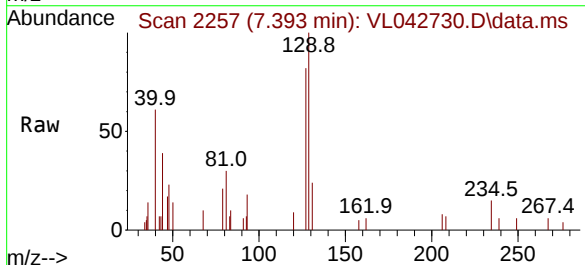
Acq: 22 Jul 2025 12:56

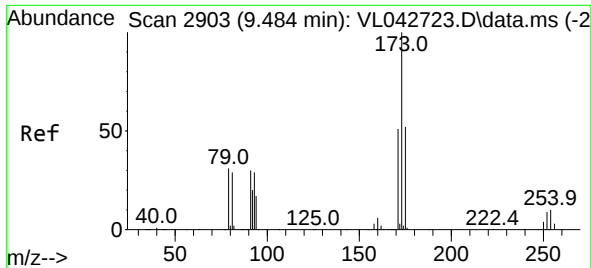
Tgt Ion: 129 Resp: 1779

Ion Ratio Lower Upper

129 100

127 88.7 39.1 117.3

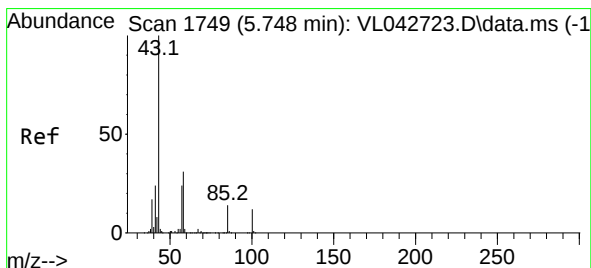
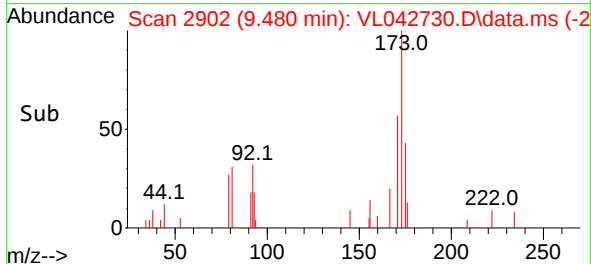
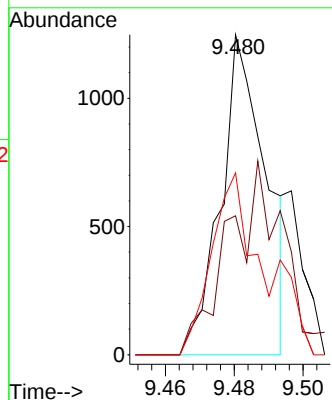
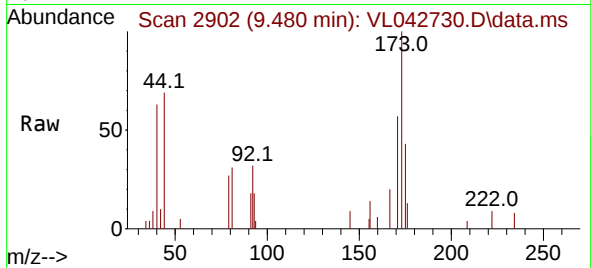




#49
Bromoform
Concen: 0.069 ppbv
RT: 9.480 min Scan# 2903
Delta R.T. -0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

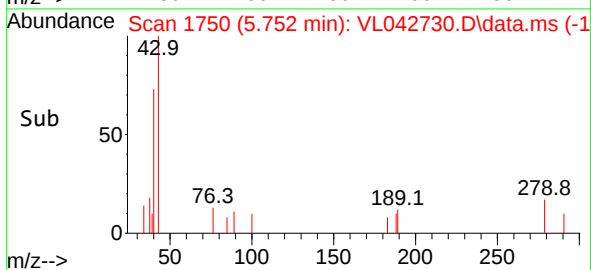
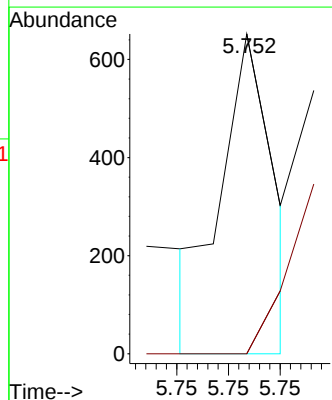
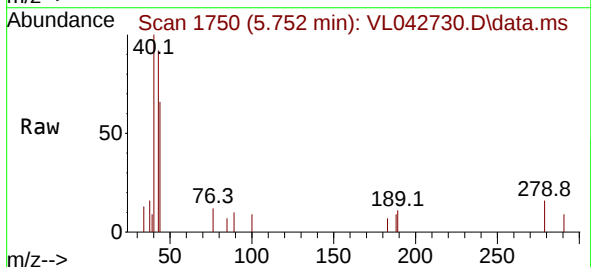
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

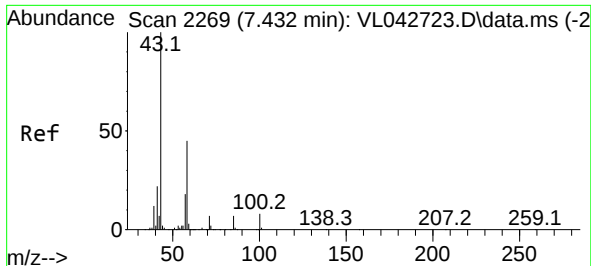
Tgt Ion:173 Resp: 1128
Ion Ratio Lower Upper
173 100
175 75.0 38.9 58.3#
171 66.6 41.1 61.7#



#50
4-Methyl-2-Pentanone
Concen: 0.008 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 43 Resp: 229
Ion Ratio Lower Upper
43 100
58 0.0 27.6 41.4#

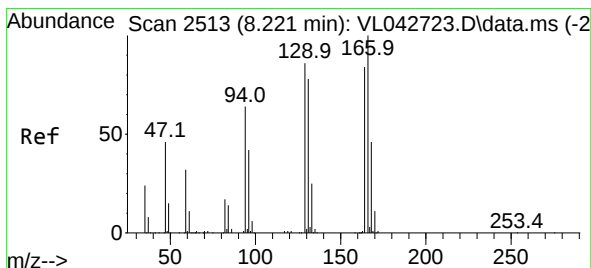
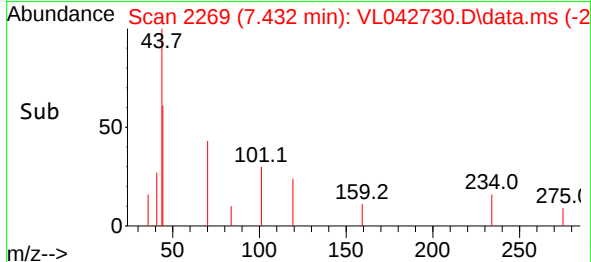
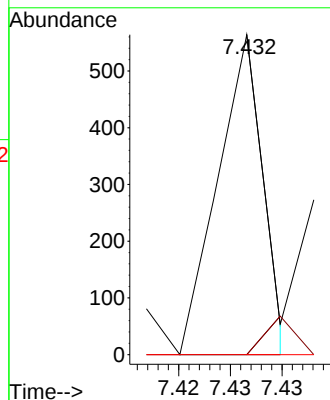
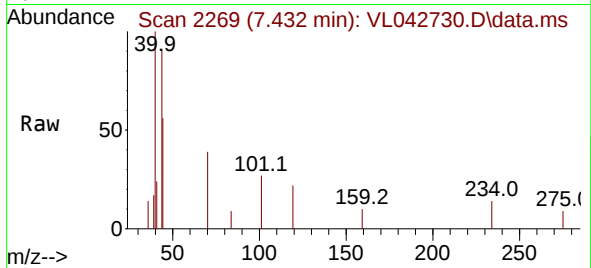




#51
2-Hexanone
Concen: 0.008 ppbv
RT: 7.432 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

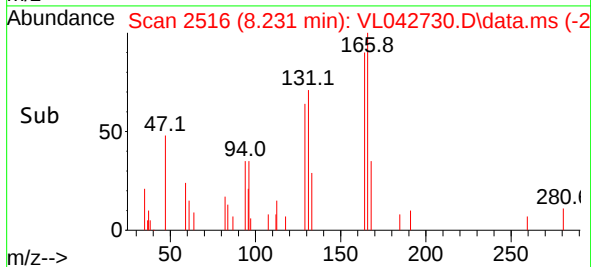
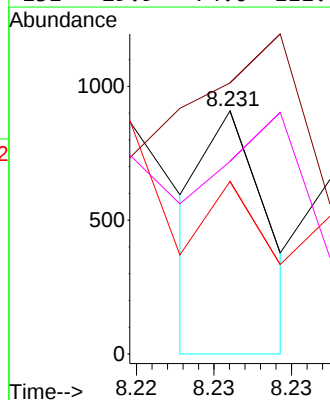
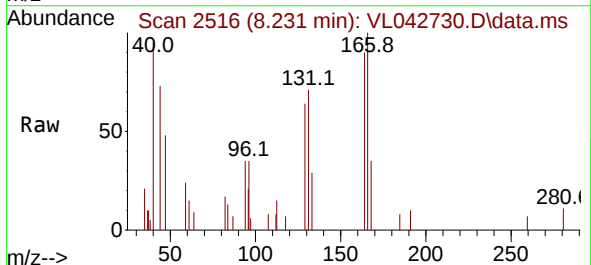
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

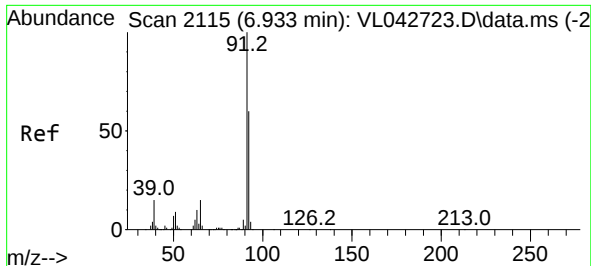
Tgt Ion: 43 Resp: 172
Ion Ratio Lower Upper
43 100
58 0.0 37.9 56.9#
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.022 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.010 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 164 Resp: 249
Ion Ratio Lower Upper
164 100
166 17.9 95.1 142.7#
129 58.5 81.9 122.9#
131 29.9 74.0 111.0#

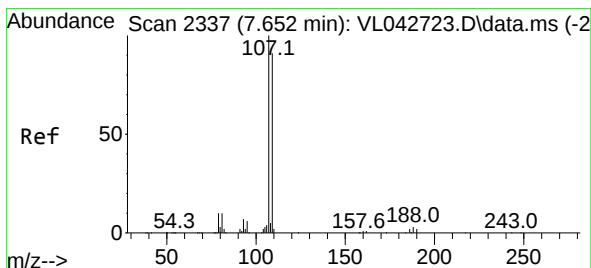
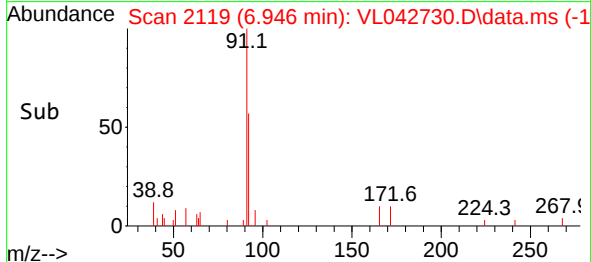
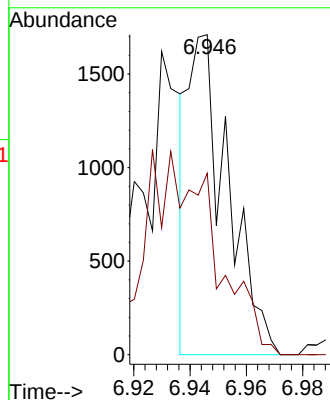
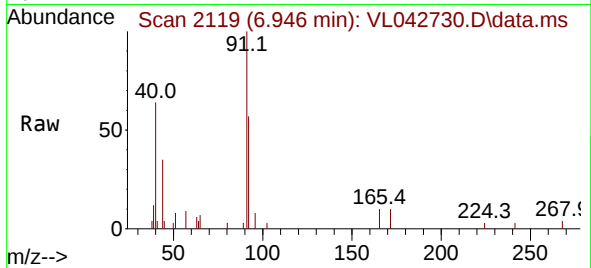




#53
Toluene
Concen: 0.053 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. 0.013 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

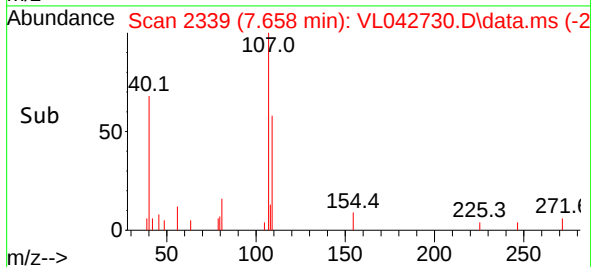
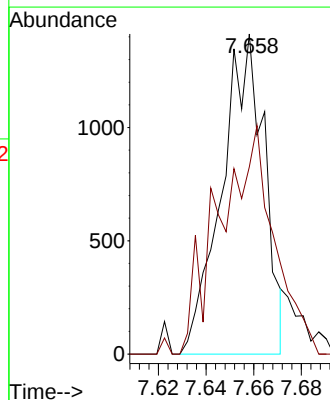
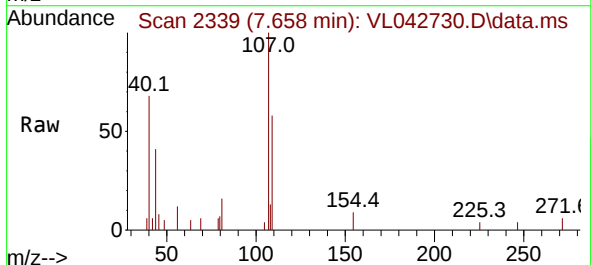
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

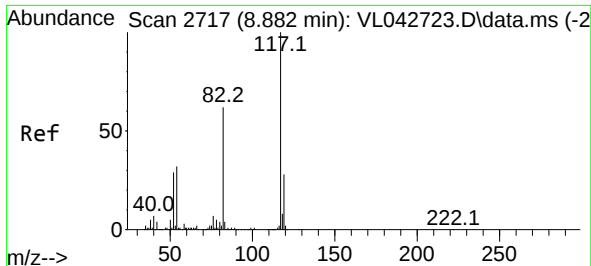
Tgt Ion: 91 Resp: 1677
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4#



#54
1,2-Dibromoethane
Concen: 0.103 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.007 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 107 Resp: 1752
Ion Ratio Lower Upper
107 100
109 58.5 72.5 108.7#

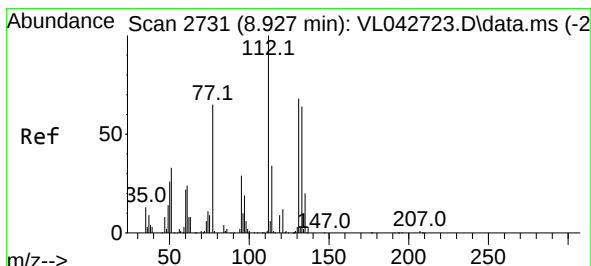
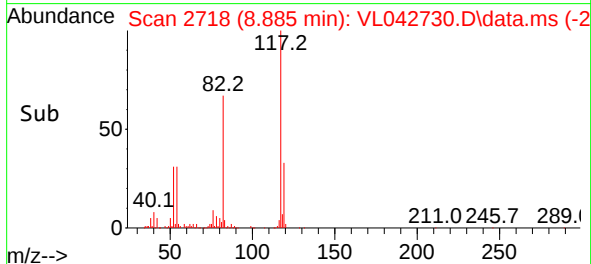
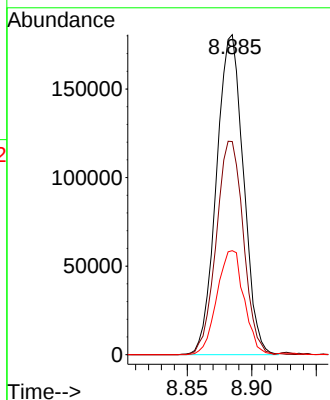
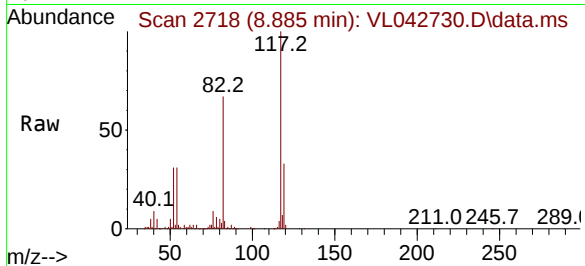




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2717
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

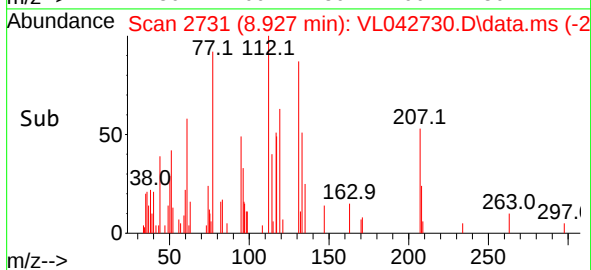
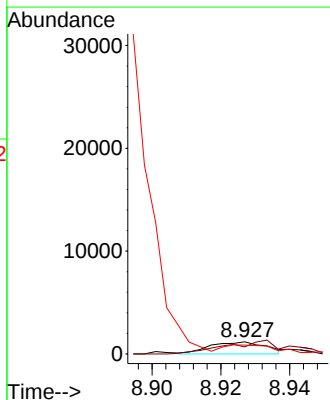
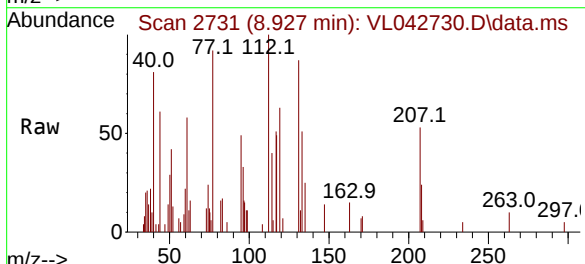
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

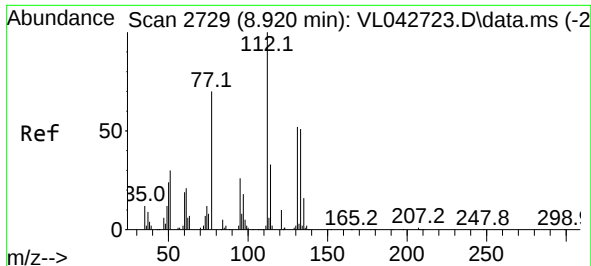
Tgt Ion:117 Resp: 262801
Ion Ratio Lower Upper
117 100
82 67.1 54.6 81.8
119 33.0 25.3 37.9



#56
1,1,1,2-Tetrachloroethane
Concen: 0.094 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion:131 Resp: 1325
Ion Ratio Lower Upper
131 100
133 127.2 77.4 116.0#
119 0.0 48.6 73.0#

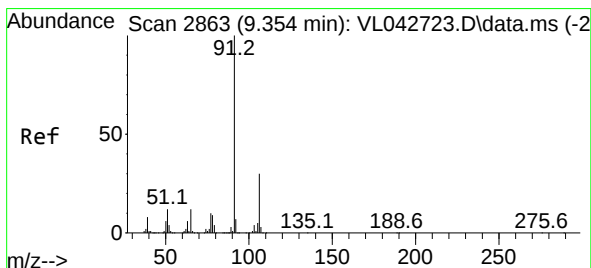
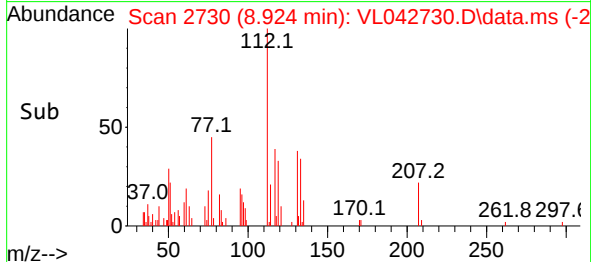
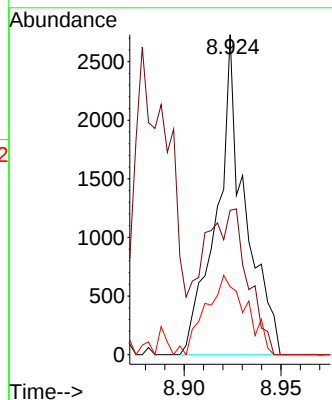
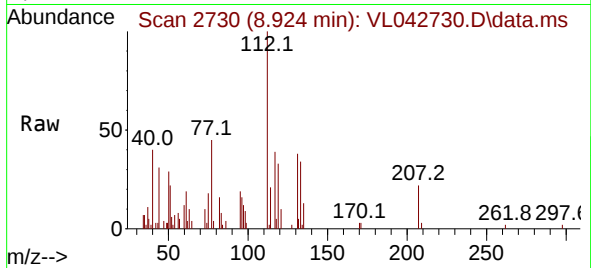




#57
Chlorobenzene
Concen: 0.110 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

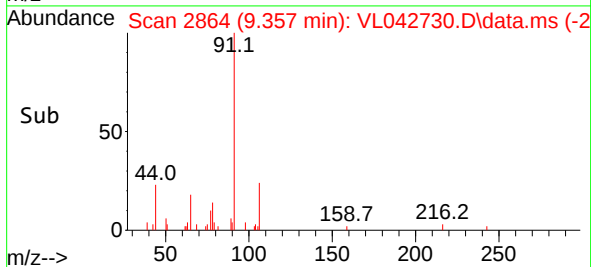
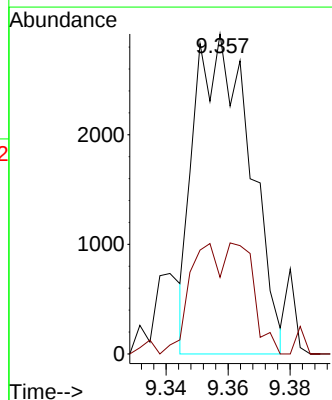
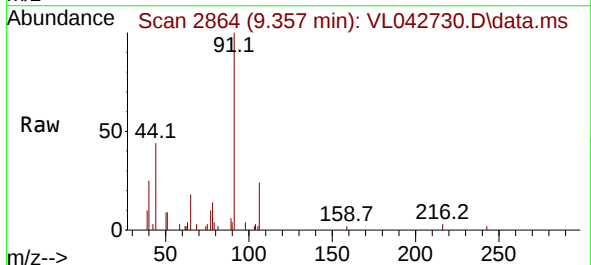
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

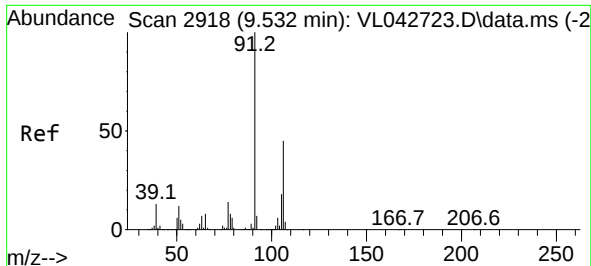
Tgt Ion: 112 Resp: 2750
Ion Ratio Lower Upper
112 100
77 45.1 57.2 85.8#
114 21.2 29.8 36.4#



#58
Ethyl Benzene
Concen: 0.082 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 91 Resp: 3615
Ion Ratio Lower Upper
91 100
106 26.0 23.7 35.5





#59

m/p-Xylene

Concen: 0.032 ppbv

RT: 9.535 min Scan# 2918

Delta R.T. 0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

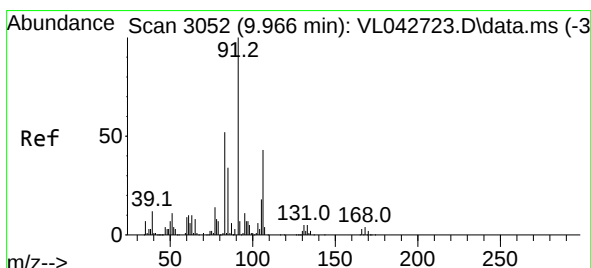
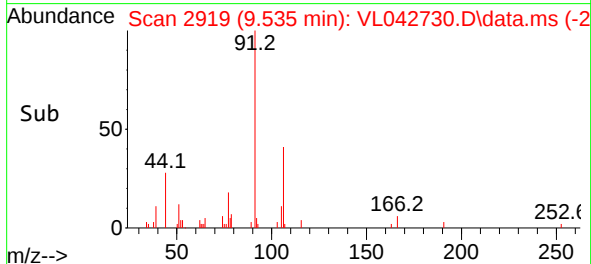
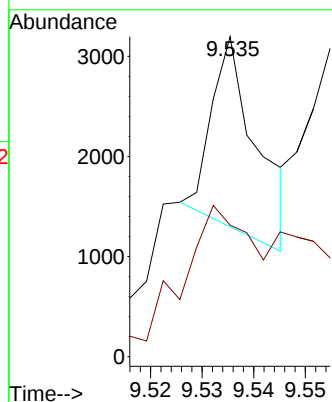
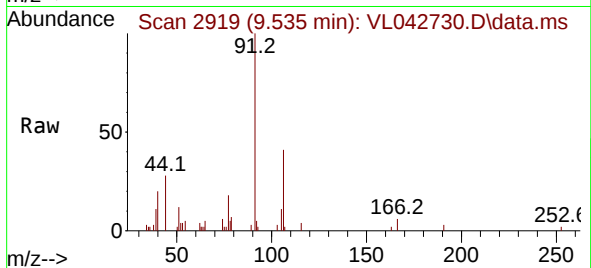
VSTDIC0.1

Tgt Ion: 91 Resp: 1113

Ion Ratio Lower Upper

91 100

106 279.8 37.3 55.9#



#60

o-Xylene

Concen: 0.088 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.003 min

Lab File: VL042730.D

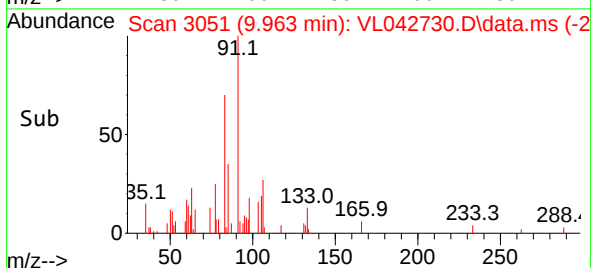
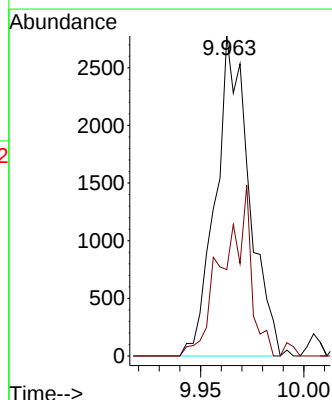
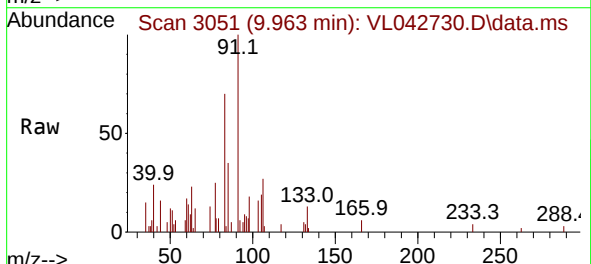
Acq: 22 Jul 2025 12:56

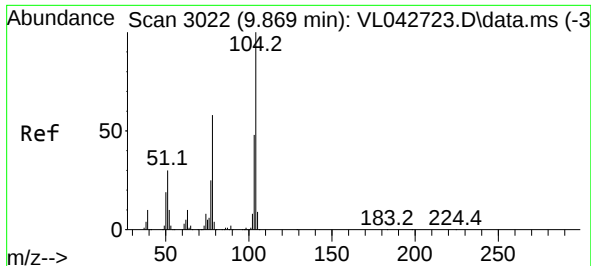
Tgt Ion: 91 Resp: 3131

Ion Ratio Lower Upper

91 100

106 45.3 21.4 64.3

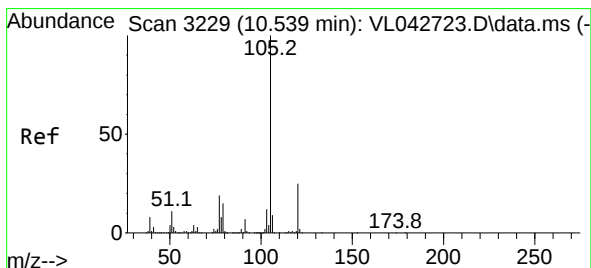
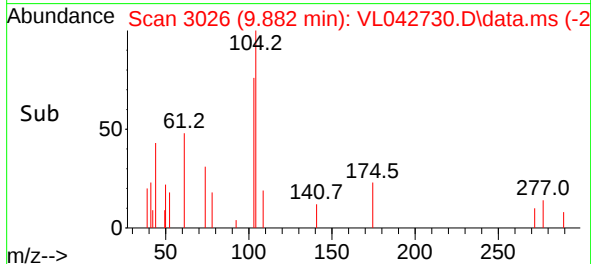
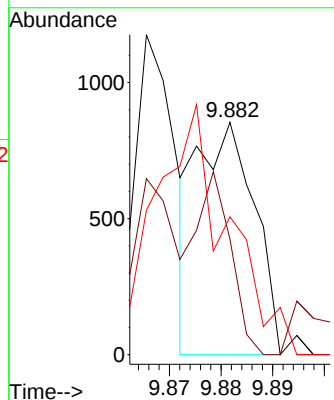
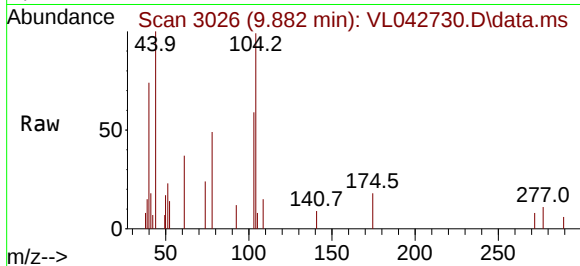




#61
 Styrene
 Concen: 0.043 ppbv
 RT: 9.882 min Scan# 3022
 Delta R.T. 0.013 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

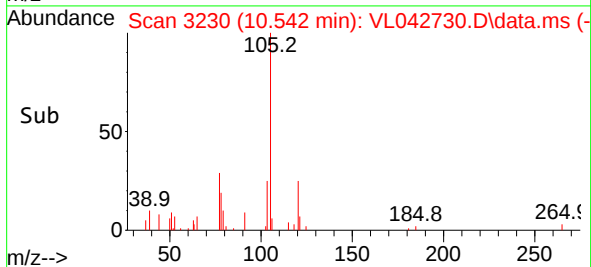
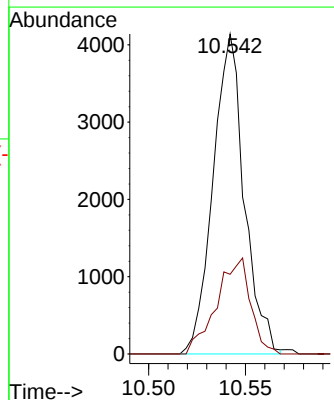
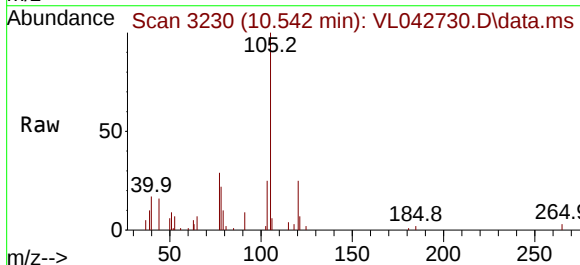
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

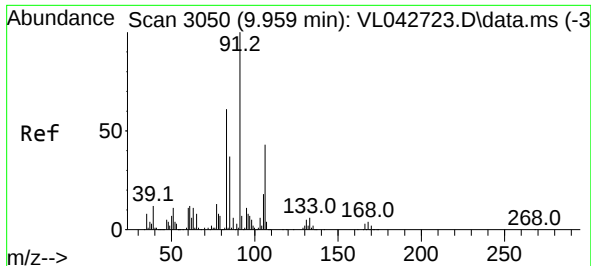
Tgt Ion:104 Resp: 660
 Ion Ratio Lower Upper
 104 100
 78 144.1 43.4 65.2#
 103 136.2 37.8 56.6#



#62
 Isopropylbenzene
 Concen: 0.088 ppbv
 RT: 10.542 min Scan# 3230
 Delta R.T. 0.003 min
 Lab File: VL042730.D
 Acq: 22 Jul 2025 12:56

Tgt Ion:105 Resp: 4638
 Ion Ratio Lower Upper
 105 100
 120 32.7 20.2 30.2#

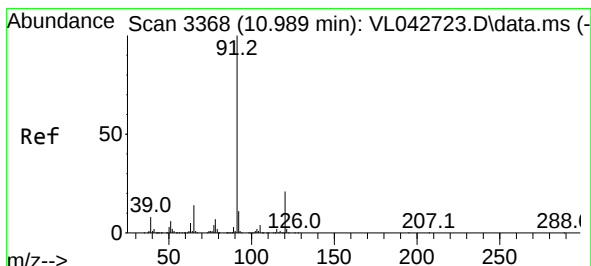
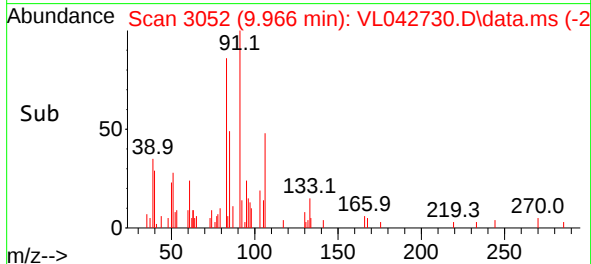
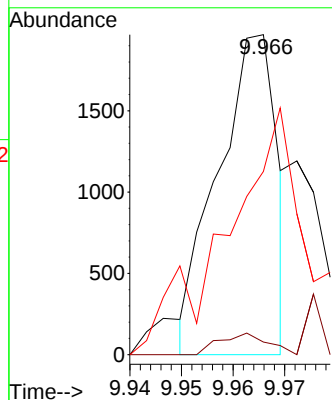
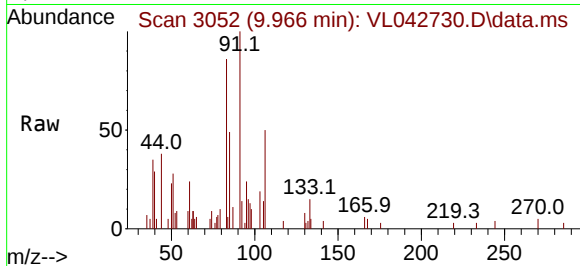




#63
1,1,2-Tetrachloroethane
Concen: 0.078 ppbv
RT: 9.966 min Scan# 3050
Delta R.T. 0.007 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

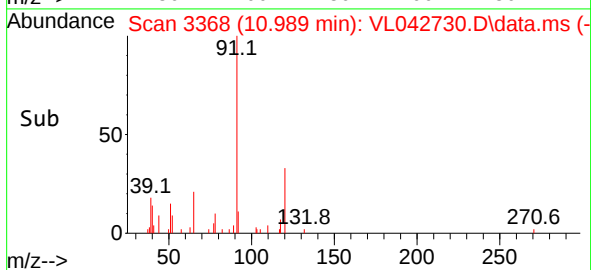
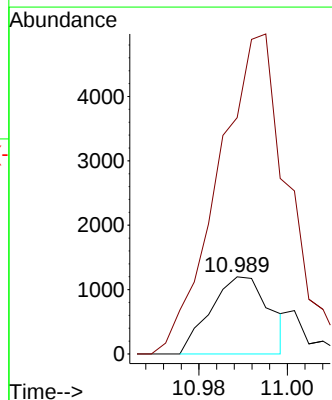
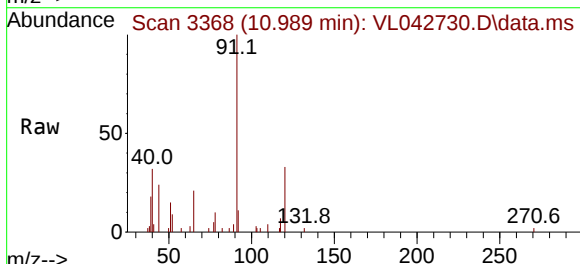
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

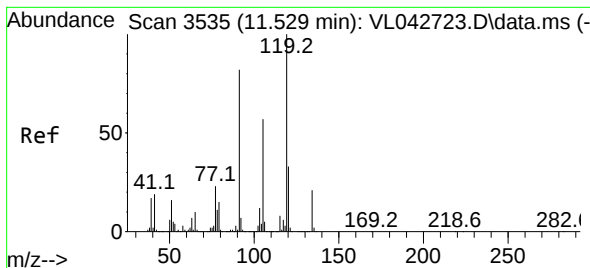
Tgt Ion: 83 Resp: 1581
Ion Ratio Lower Upper
83 100
131 0.0 5.2 15.6#
85 0.0 32.1 96.5#



#64
n-propylbenzene
Concen: 0.084 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 120 Resp: 1113
Ion Ratio Lower Upper
120 100
91 491.8 377.4 566.0

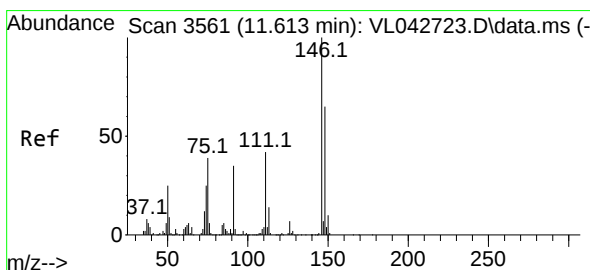
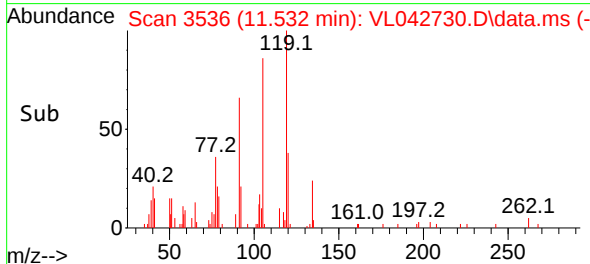
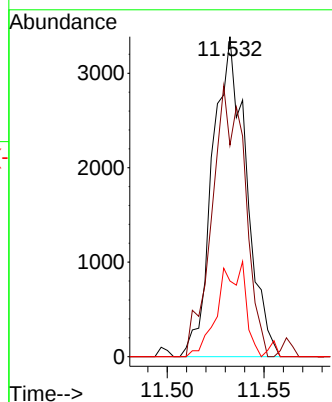
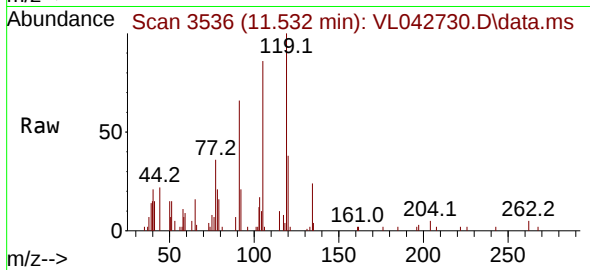




#65
tert-Butylbenzene
Concen: 0.087 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

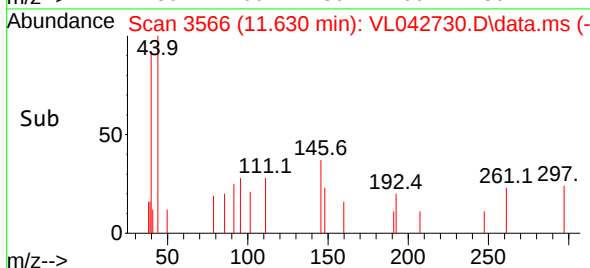
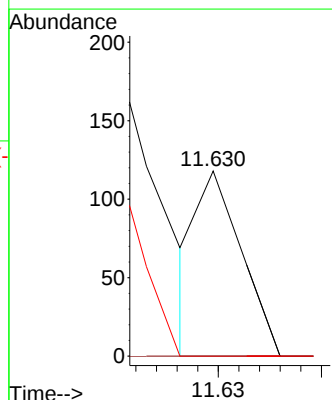
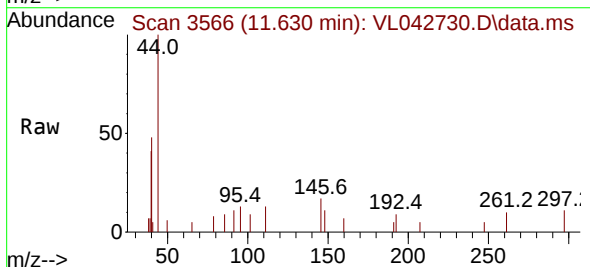
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

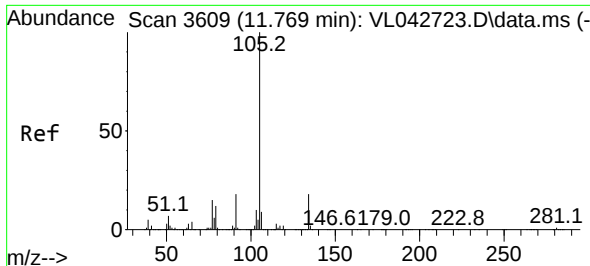
Tgt Ion:	119	Resp:	4107
Ion	Ratio	Lower	Upper
119	100		
91	84.5	66.5	99.7
134	24.8	16.7	25.1



#66
Benzyl Chloride
Concen: 0.008 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.016 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion:	91	Resp:	34
Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.0	22.4#
128	111.8	5.0	7.6#





#67

sec-Butylbenzene

Concen: 0.088 ppbv

RT: 11.765 min Scan# 3608

Delta R.T. -0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_L

ClientSampleId :

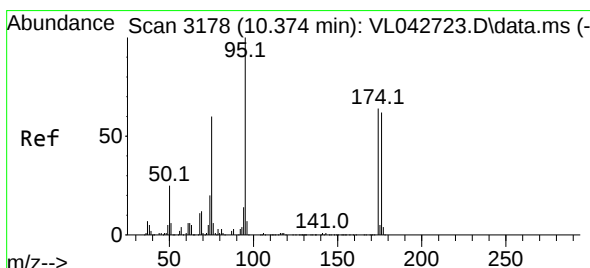
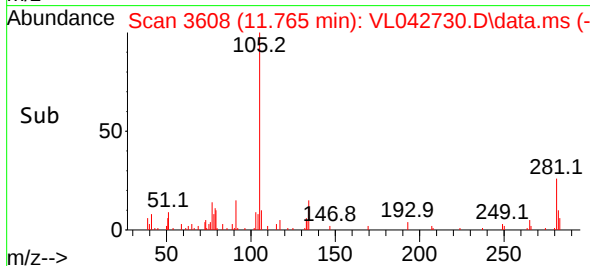
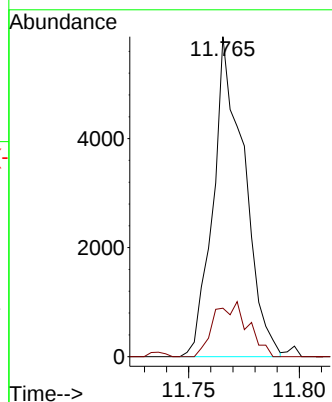
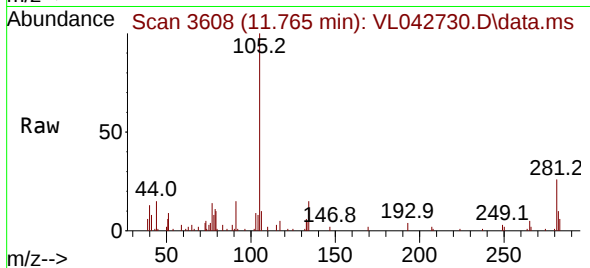
VSTDIC0.1

Tgt Ion:105 Resp: 5711

Ion Ratio Lower Upper

105 100

134 19.7 15.0 22.4



#68

1-Bromo-4-Fluorobenzene

Concen: 9.804 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

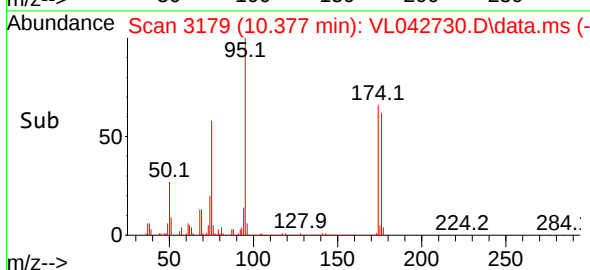
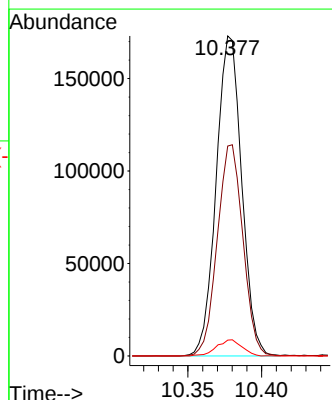
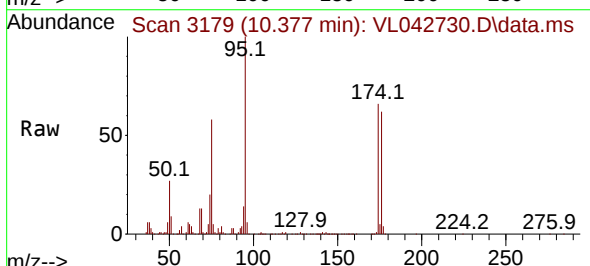
Tgt Ion: 95 Resp: 208246

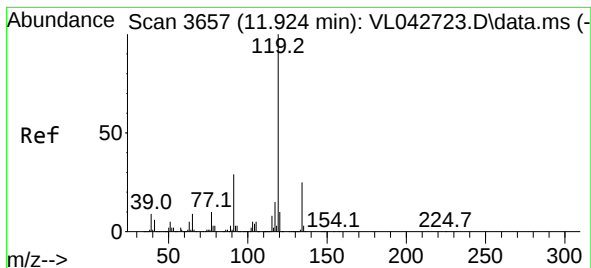
Ion Ratio Lower Upper

95 100

174 66.3 51.4 77.2

175 5.0 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.082 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.000 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

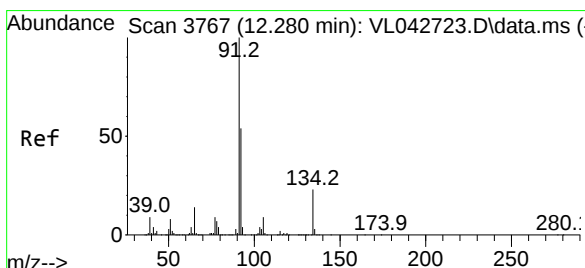
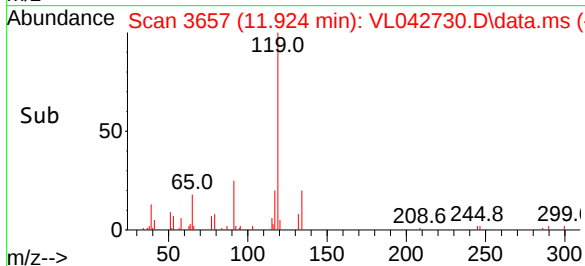
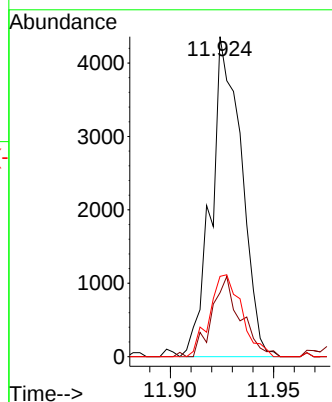
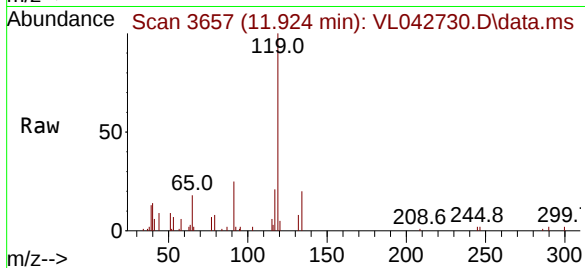
Tgt Ion:119 Resp: 4435

Ion Ratio Lower Upper

119 100

134 23.8 19.8 29.6

91 27.4 23.9 35.9



#70

n-Butylbenzene

Concen: 0.064 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

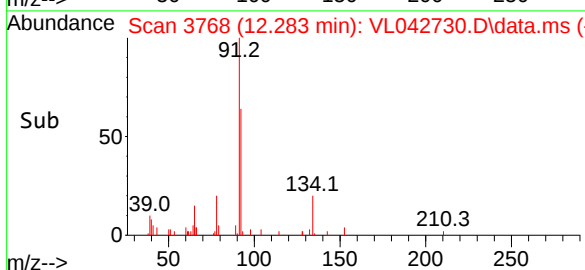
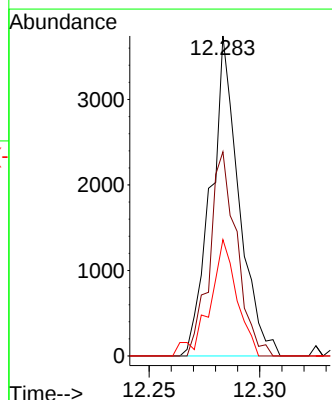
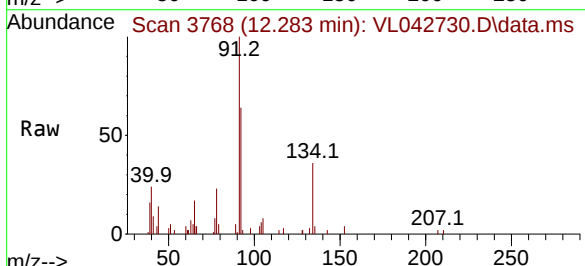
Tgt Ion: 91 Resp: 3307

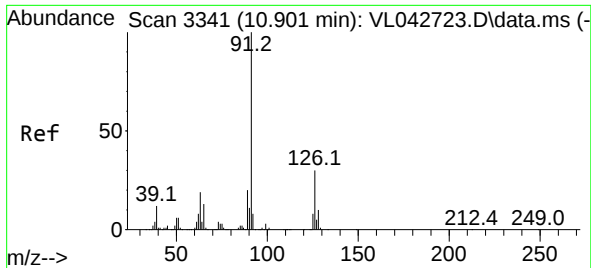
Ion Ratio Lower Upper

91 100

92 61.7 43.2 64.8

134 34.9 19.0 28.6#

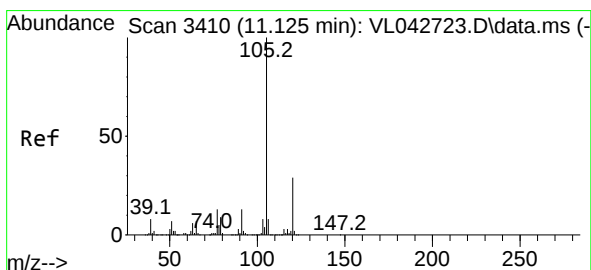
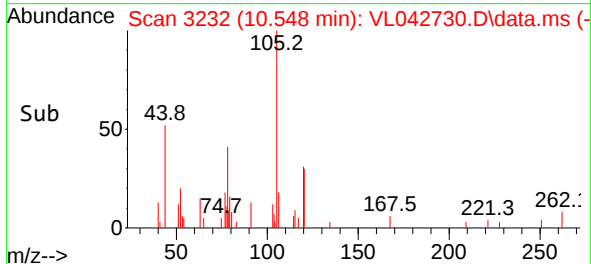
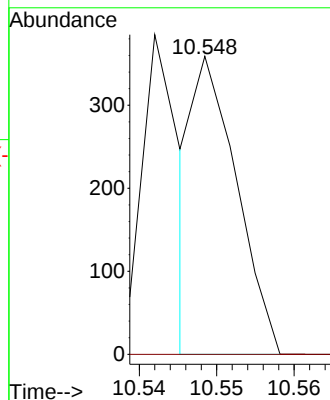
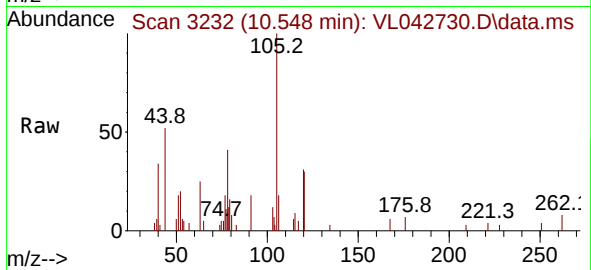




#71
2-Chlorotoluene
Concen: 0.003 ppbv
RT: 10.548 min Scan# 31
Delta R.T. -0.353 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

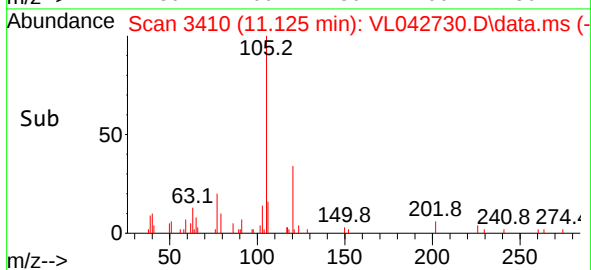
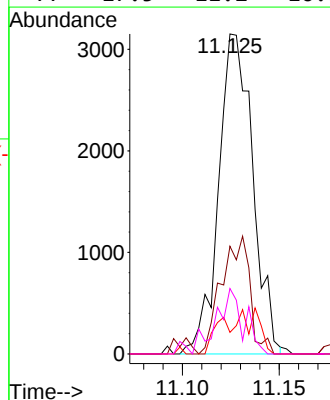
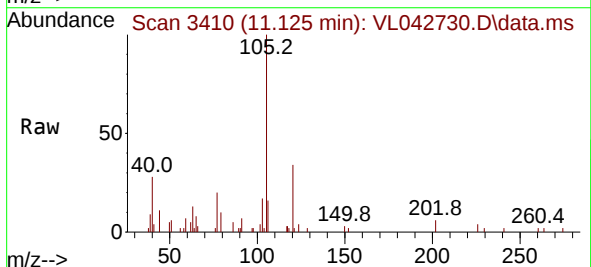
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

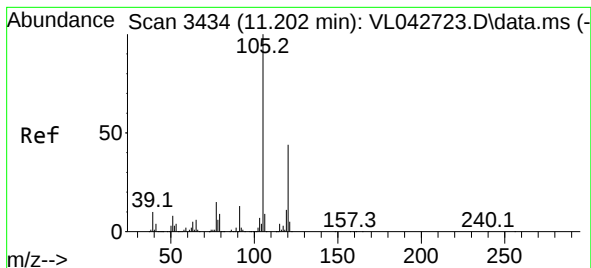
Tgt Ion: 91 Resp: 138
Ion Ratio Lower Upper
91 100
126 41.3 11.6 46.4



#72
4-Ethyltoluene
Concen: 0.091 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion: 105 Resp: 3865
Ion Ratio Lower Upper
105 100
120 33.0 23.4 35.0
91 14.3 10.6 15.8
77 17.5 11.2 16.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.093 ppbv

RT: 11.209 min Scan# 34

Delta R.T. 0.007 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

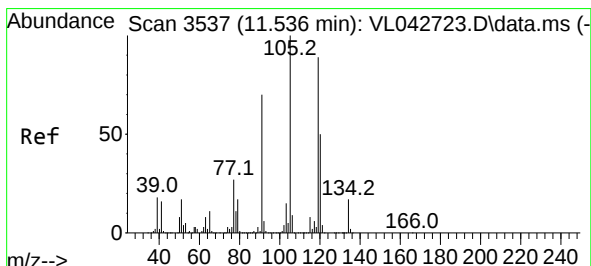
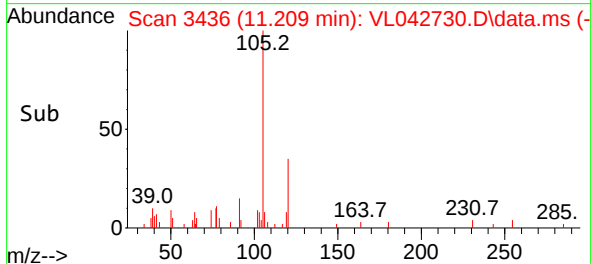
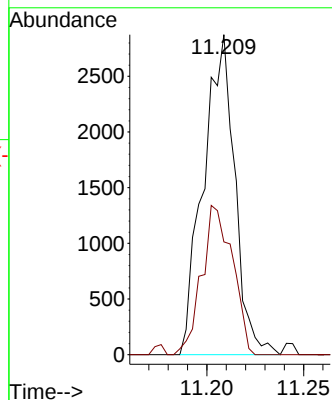
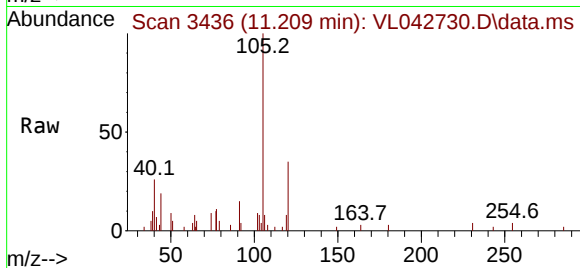
VSTDIC0.1

Tgt Ion:105 Resp: 3243

Ion Ratio Lower Upper

105 100

120 35.2 35.2 52.8



#74

1,2,4-Trimethylbenzene

Concen: 0.045 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Tgt Ion:105 Resp: 1735

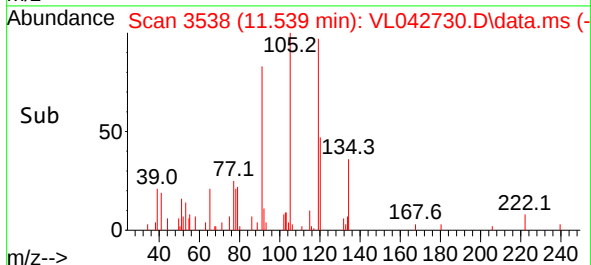
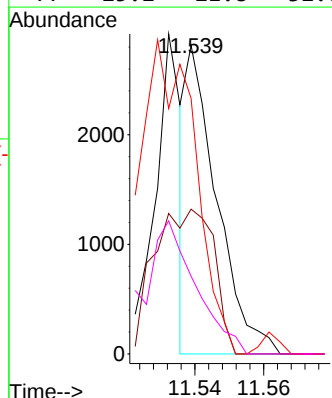
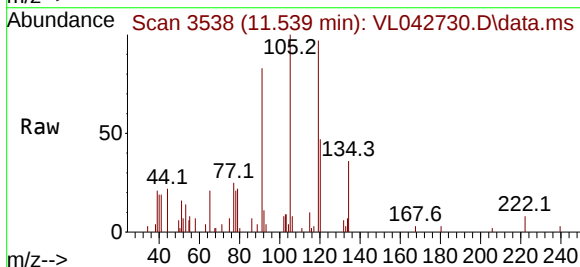
Ion Ratio Lower Upper

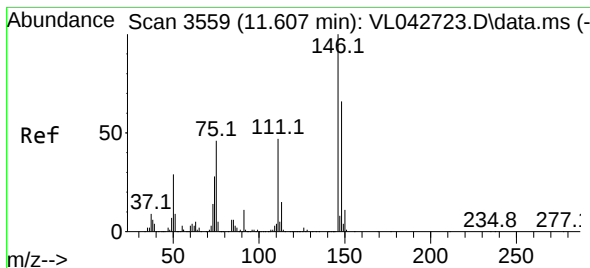
105 100

120 46.9 39.9 59.9

91 79.0 56.5 84.7

77 25.2 21.8 32.6





#75

1,3-Dichlorobenzene

Concen: 0.044 ppbv

RT: 11.613 min Scan# 3559

Delta R.T. 0.007 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

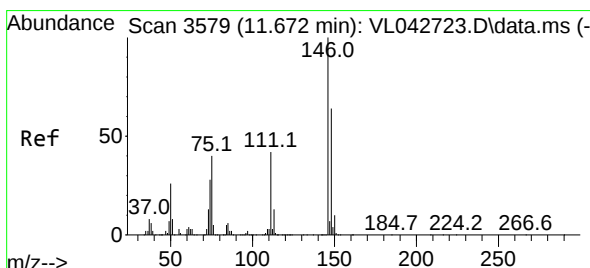
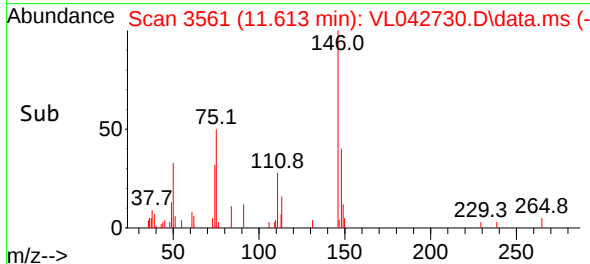
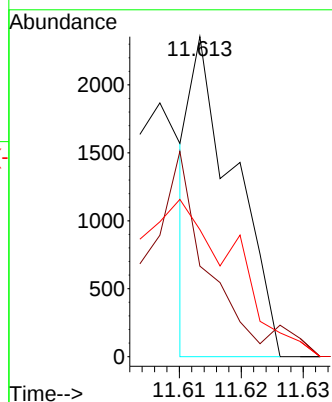
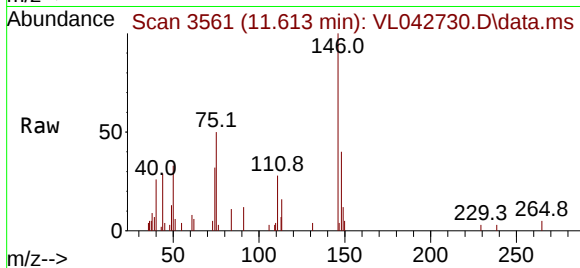
Tgt Ion:146 Resp: 1136

Ion Ratio Lower Upper

146 100

111 100.6 23.5 70.5#

148 134.4 32.6 98.0#



#76

1,4-Dichlorobenzene

Concen: 0.080 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

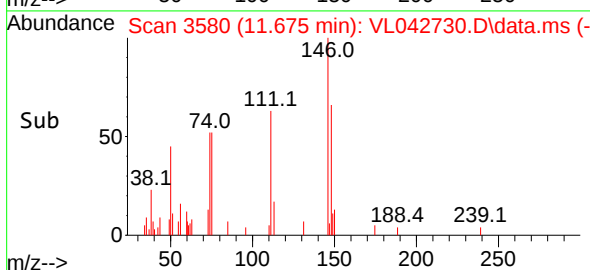
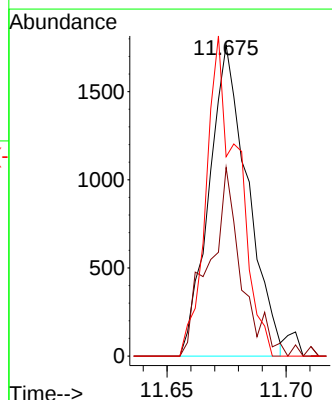
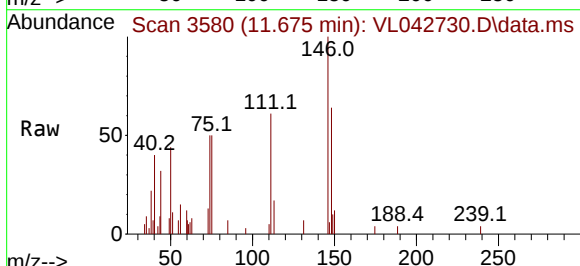
Tgt Ion:146 Resp: 1992

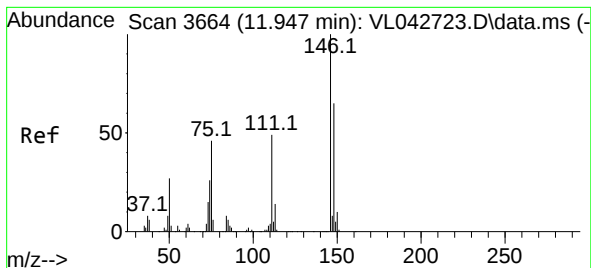
Ion Ratio Lower Upper

146 100

111 51.5 22.1 66.1

148 84.7 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 0.105 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

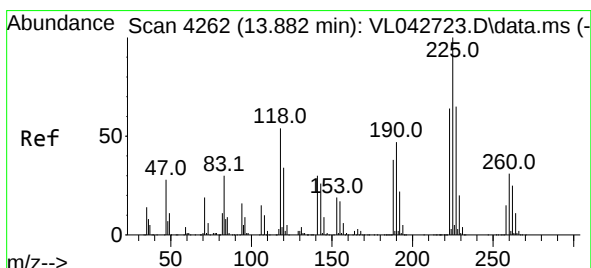
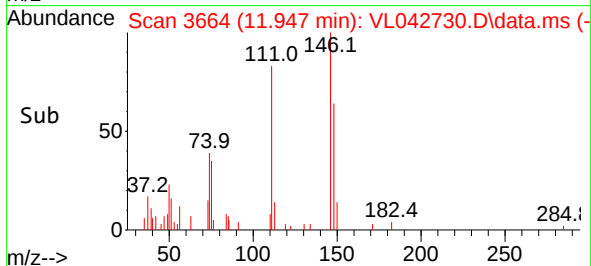
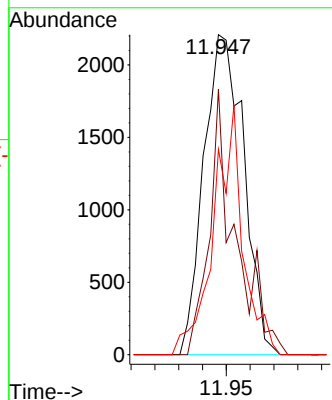
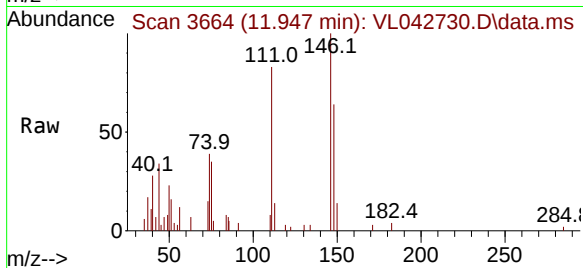
Tgt Ion:146 Resp: 2582

Ion Ratio Lower Upper

146 100

111 54.1 24.9 74.6

148 56.9 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.123 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.003 min

Lab File: VL042730.D

Acq: 22 Jul 2025 12:56

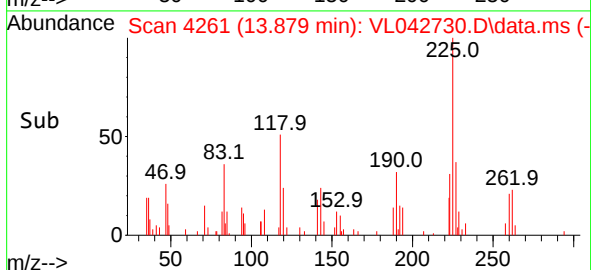
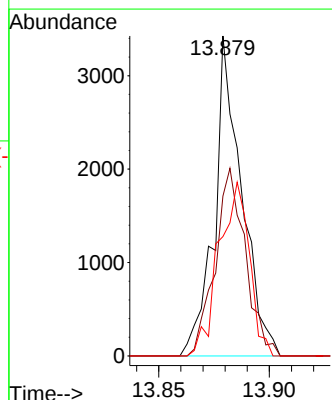
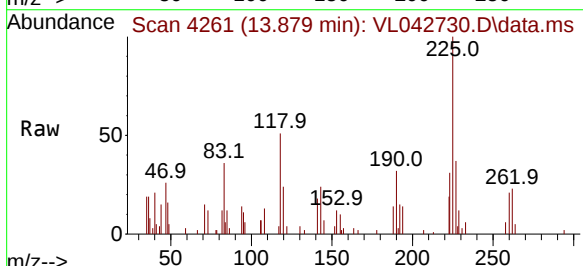
Tgt Ion:225 Resp: 2936

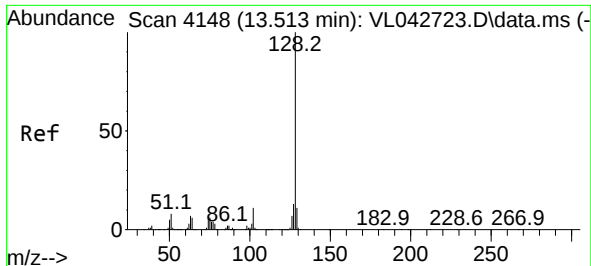
Ion Ratio Lower Upper

225 100

223 65.0 51.3 76.9

227 60.8 51.8 77.8

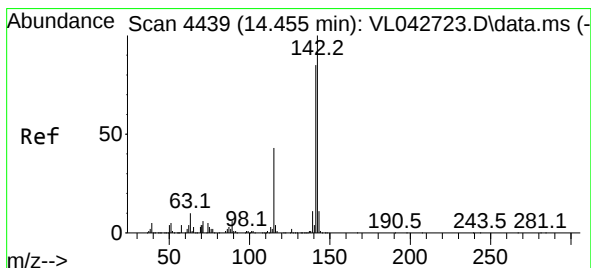
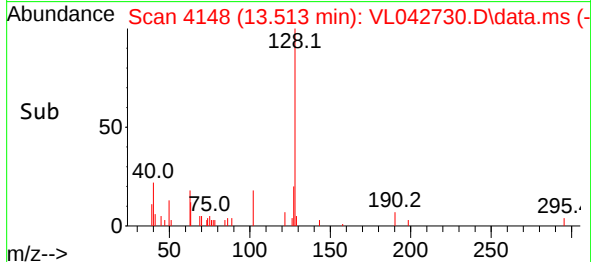
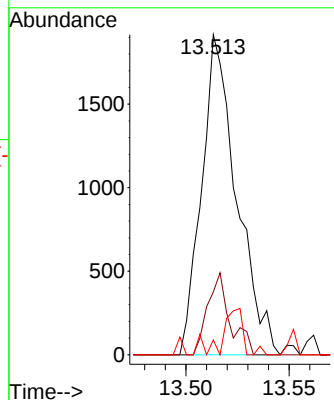
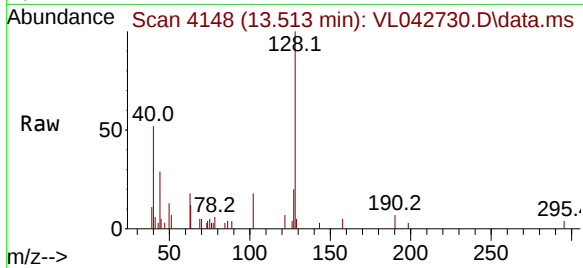




#79
Naphthalene
Concen: 0.079 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. 0.000 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

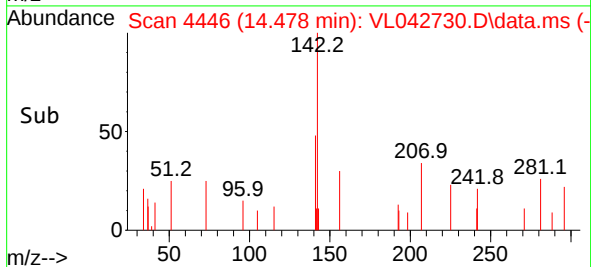
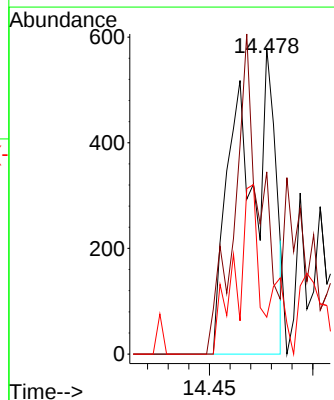
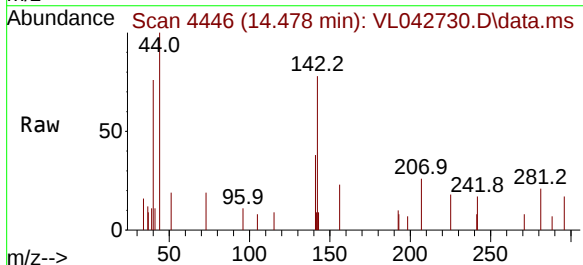
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

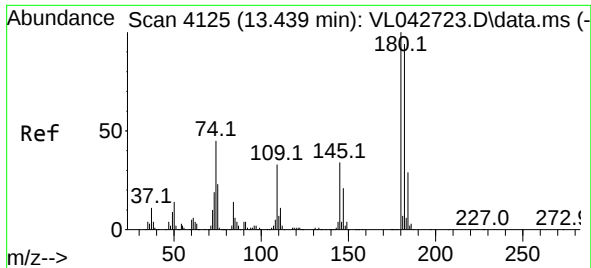
Tgt Ion:128 Resp: 2256
Ion Ratio Lower Upper
128 100
127 19.6 10.3 15.5#
129 4.6 8.6 13.0#



#80
Naphthalene,2-methyl-
Concen: 0.074 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.023 min
Lab File: VL042730.D
Acq: 22 Jul 2025 12:56

Tgt Ion:142 Resp: 692
Ion Ratio Lower Upper
142 100
141 77.9 65.6 98.4
115 61.3 31.7 47.5#





#81

1,2,4-Trichlorobenzene

Concen: 0.067 ppbv

RT: 13.448 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL042730.D

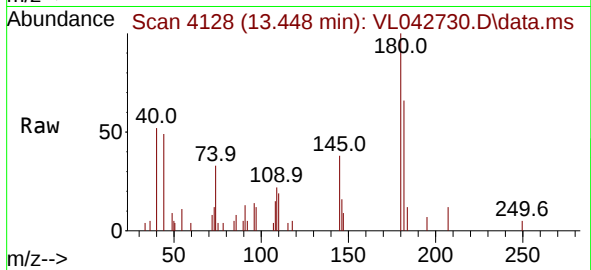
Acq: 22 Jul 2025 12:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



Tgt Ion:180 Resp: 1171

Ion Ratio Lower Upper

180 100

182 95.2 77.1 115.7

184 21.9 25.0 37.4#

