

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041864.D
 Acq On : 09 Jan 2025 13:54
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Jan 10 00:17:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	140652	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.982	114	417764	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	382336	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	308087	9.408	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.506	85	923	0.040	ppbv	98
3) Chlorodifluoromethane	1.480	51	1407	0.064	ppbv	96
4) Chloromethane	1.538	50	641	0.068	ppbv #	65
5) Vinyl Chloride	1.590	62	375	0.039	ppbv #	84
6) Bromomethane	1.671	94	226	0.055	ppbv #	50
7) Chloroethane	1.710	64	225	0.061	ppbv #	69
8) Dichlorotetrafluoroethane	1.561	85	824	0.041	ppbv	98
9) Propene	1.434	41	408	0.053	ppbv	99
10) Heptane	5.008	43	478	0.025	ppbv #	1
11) Trichlorofluoromethane	1.884	101	1047	0.045	ppbv #	75
12) 1,1,2-Trichlorotrifluo...	2.147	101	806	0.046	ppbv #	75
13) Ethanol	1.897	45	1707	1.693	ppbv #	29
14) Bromoethene	1.787	108	613	0.107	ppbv #	68
15) Acetone	1.846	43	3978	0.154	ppbv	97
16) 1,3-Butadiene	1.612	39	1199	0.118	ppbv #	79
17) tert-Butyl alcohol	2.056	59	884	0.039	ppbv #	1
18) 1,1-Dichloroethene	2.043	96	475	0.065	ppbv #	35
19) Isopropyl Alcohol	1.897	45	1707	0.140	ppbv #	67
20) Methylene Chloride	2.069	84	1482	0.200	ppbv #	70
21) Allyl Chloride	2.104	41	1019	0.076	ppbv #	16
22) trans-1,2-Dichloroethene	2.347	96	321	0.039	ppbv #	84
23) Vinyl Acetate	2.470	43	1019	0.127	ppbv #	1
24) 1,1-Dichloroethane	2.422	63	759	0.042	ppbv #	91
25) Ethyl Acetate	2.852	43	1586	0.037	ppbv #	70
26) Hexane	2.842	57	824	0.055	ppbv #	1
27) Carbon Disulfide	2.163	76	909	0.064	ppbv #	1
28) Methyl tert-Butyl Ether	2.460	73	348	0.031	ppbv #	1
29) Chloroform	2.393	83	40	0.001	ppbv	90
30) Cyclohexane	3.878	84	659	0.058	ppbv #	49
31) cis-1,2-Dichloroethene	2.739	61	903	0.058	ppbv #	73
32) 1,1,1-Trichloroethane	3.389	97	610	0.024	ppbv #	24
34) 2-Butanone	2.574	43	1708	0.052	ppbv #	85
35) Carbon Tetrachloride	3.791	117	388	0.012	ppbv #	16
36) Benzene	3.671	78	1433	0.036	ppbv #	93
37) 1,2-Dichloroethane	3.234	62	850	0.032	ppbv #	85
38) Trichloroethene	4.580	130	268	0.017	ppbv #	71
39) 1,2-Dichloropropane	3.978	63	105561	6.838	ppbv #	24
40) 1,4-Dioxane	4.648	88	136	0.023	ppbv #	17
41) Tetrahydrofuran	3.075	42	62	0.004	ppbv #	37
42) Bromodichloromethane	4.519	83	209	0.007	ppbv #	26
43) Methyl Methacrylate	4.914	69	280	0.022	ppbv #	1
44) 2,2,4-Trimethylpentane	4.678	57	776	0.012	ppbv #	43
45) t-1,3-Dichloropropene	6.451	75	333	0.027	ppbv #	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041864.D
 Acq On : 09 Jan 2025 13:54
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Jan 10 00:17:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

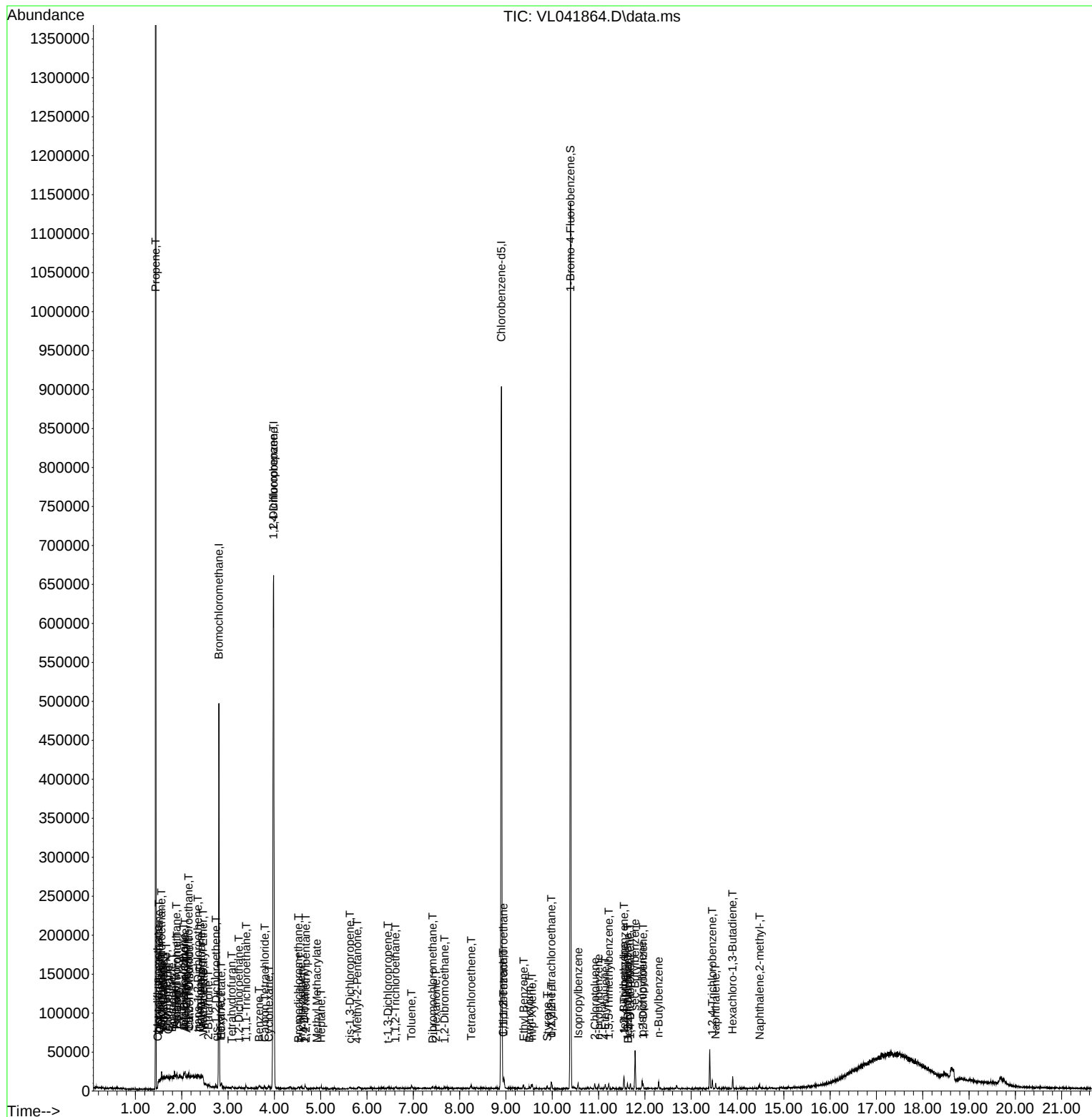
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	484	0.030	ppbv #	30
47) 1,1,2-Trichloroethane	6.616	97	315	0.019	ppbv #	37
48) Dibromochloromethane	7.416	129	316	0.015	ppbv #	6
49) Bromoform	9.503	173	486	0.029	ppbv	88
50) 4-Methyl-2-Pentanone	5.791	43	186	0.005	ppbv #	38
51) 2-Hexanone	7.487	43	1546	0.054	ppbv #	96
52) Tetrachloroethene	8.251	164	686	0.058	ppbv #	50
53) Toluene	6.959	91	1812	0.051	ppbv #	83
54) 1,2-Dibromoethane	7.675	107	673	0.034	ppbv #	49
56) 1,1,1,2-Tetrachloroethane	8.943	131	206	0.009	ppbv #	8
57) Chlorobenzene	8.940	112	304	0.008	ppbv #	69
58) Ethyl Benzene	9.384	91	858	0.016	ppbv	90
59) m/p-Xylene	9.562	91	624	0.014	ppbv #	100
60) o-Xylene	9.982	91	637	0.014	ppbv #	33
61) Styrene	9.892	104	813	0.047	ppbv #	62
62) Isopropylbenzene	10.559	105	3277	0.047	ppbv #	88
63) 1,1,2,2-Tetrachloroethane	9.979	83	1052	0.027	ppbv #	79
64) n-propylbenzene	11.002	120	429	0.024	ppbv #	1
65) tert-Butylbenzene	11.546	119	3181	0.050	ppbv	91
66) Benzyl Chloride	11.636	91	84	0.016	ppbv #	66
67) sec-Butylbenzene	11.785	105	4095	0.044	ppbv #	85
69) p-Isopropyltoluene	11.941	119	3385	0.047	ppbv	100
70) n-Butylbenzene	12.297	91	3278	0.045	ppbv	93
71) 2-Chlorotoluene	10.921	91	2364	0.046	ppbv	95
72) 4-Ethyltoluene	11.144	105	2091	0.039	ppbv #	82
73) 1,3,5-Trimethylbenzene	11.219	105	2195	0.046	ppbv #	86
74) 1,2,4-Trimethylbenzene	11.552	105	2560	0.047	ppbv #	81
75) 1,3-Dichlorobenzene	11.627	146	1521	0.041	ppbv	95
76) 1,4-Dichlorobenzene	11.685	146	1603	0.045	ppbv	86
77) 1,2-Dichlorobenzene	11.960	146	1421	0.037	ppbv	91
78) Hexachloro-1,3-Butadiene	13.892	225	1347	0.050	ppbv #	82
79) Naphthalene	13.527	128	3217	0.080	ppbv #	93
80) Naphthalene,2-methyl-	14.478	142	1700	0.114	ppbv	92
81) 1,2,4-Trichlorobenzene	13.455	180	1653	0.074	ppbv	96

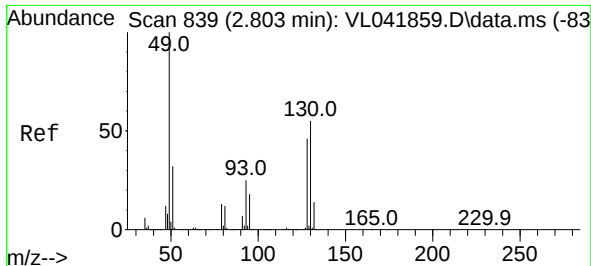
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\  
Data File : VL041864.D  
Acq On    : 09 Jan 2025   13:54  
Operator  : SY/MD  
Sample    : VSTDICC0.03  
Misc      : 400mL/MSVOA_L  
ALS Vial  : 1      Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jan 10 00:17:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration

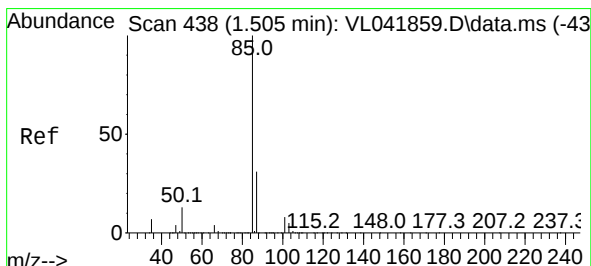
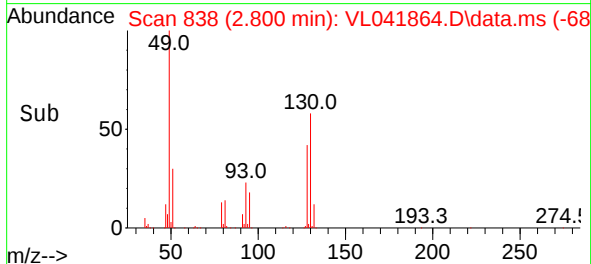
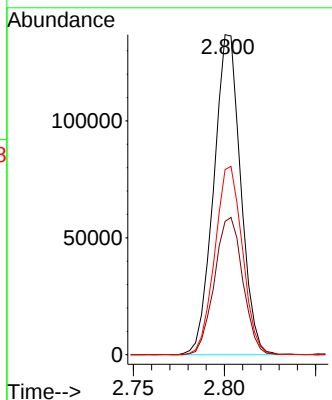
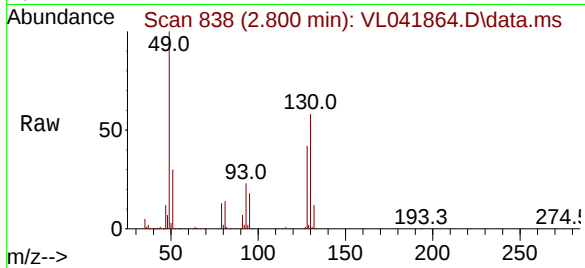




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.800 min Scan# 839
 Delta R.T. -0.003 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

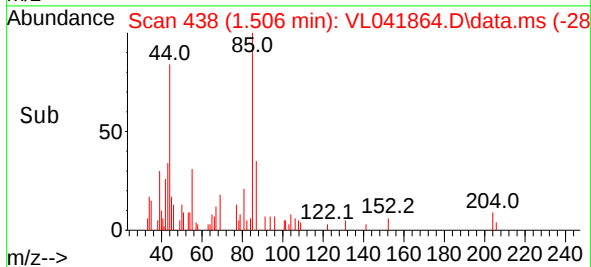
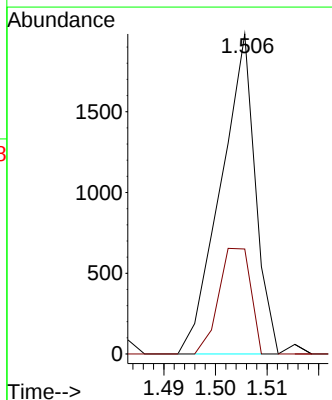
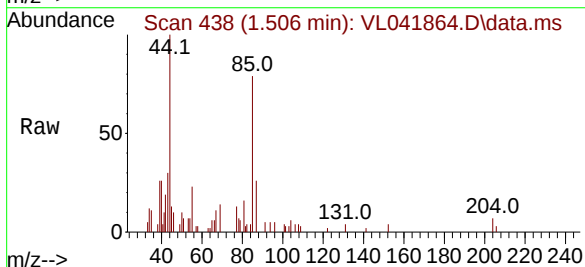
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

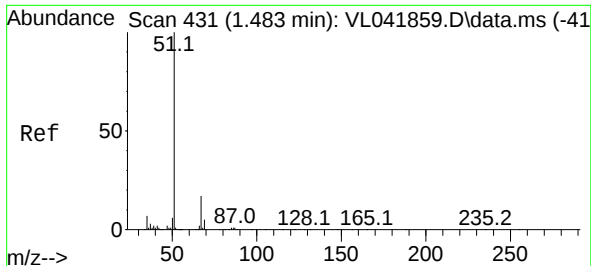
Tgt Ion: 49 Resp: 140652
 Ion Ratio Lower Upper
 49 100
 128 45.0 23.2 69.5
 130 60.3 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 0.040 ppbv
 RT: 1.506 min Scan# 438
 Delta R.T. 0.000 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

Tgt Ion: 85 Resp: 923
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.2 37.8





#3

Chlorodifluoromethane

Concen: 0.064 ppbv

RT: 1.480 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_1

ClientSampleId :

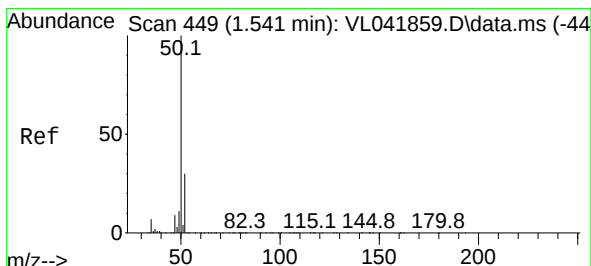
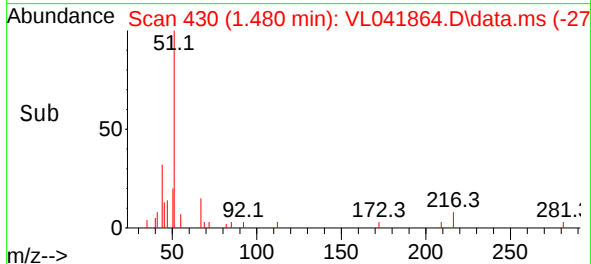
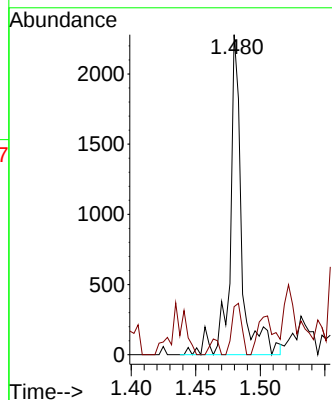
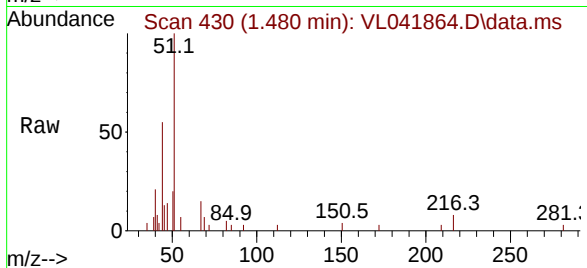
VSTDICC0.03

Tgt Ion: 51 Resp: 1407

Ion Ratio Lower Upper

51 100

67 19.0 13.8 20.8



#4

Chloromethane

Concen: 0.068 ppbv

RT: 1.538 min Scan# 448

Delta R.T. -0.003 min

Lab File: VL041864.D

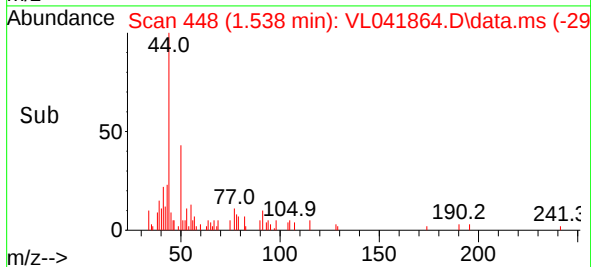
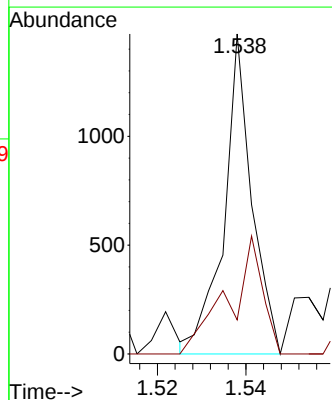
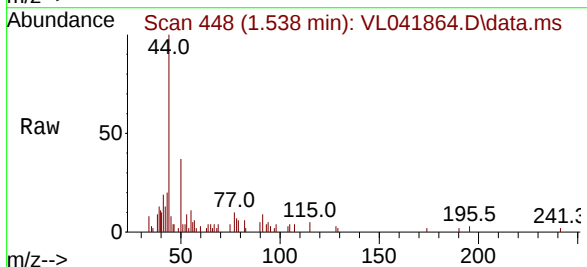
Acq: 09 Jan 2025 13:54

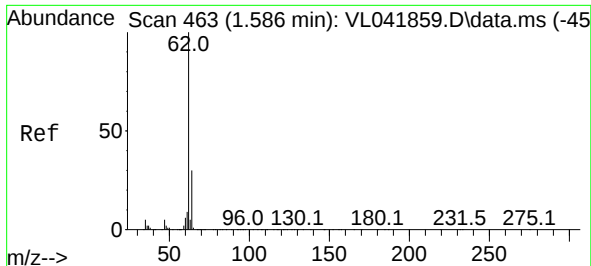
Tgt Ion: 50 Resp: 641

Ion Ratio Lower Upper

50 100

52 11.1 23.9 35.9#

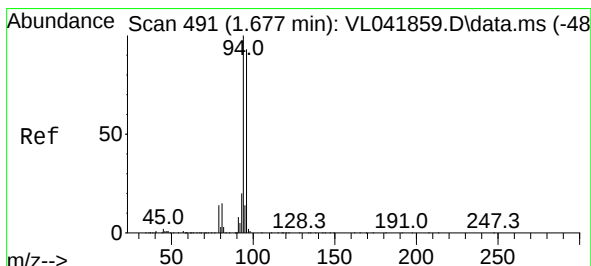
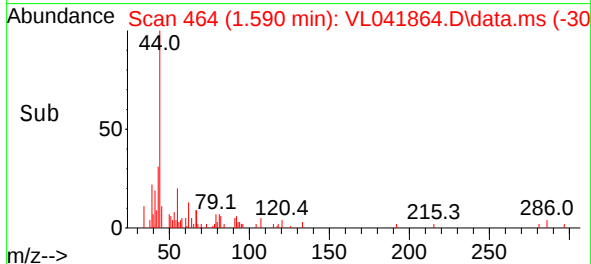
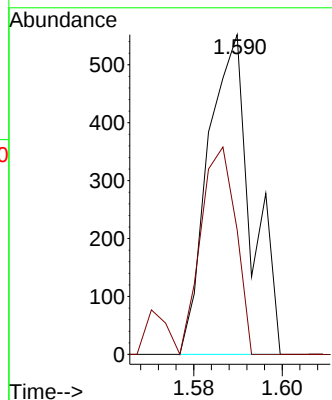
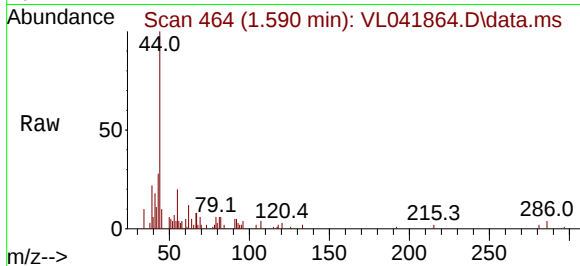




#5
 Vinyl Chloride
 Concen: 0.039 ppbv
 RT: 1.590 min Scan# 4
 Delta R.T. 0.004 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

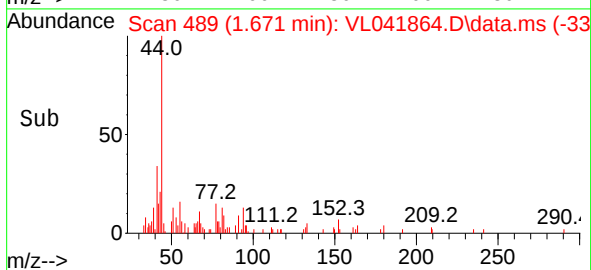
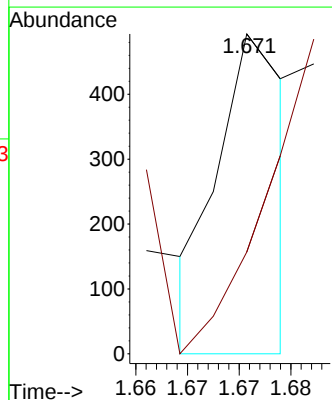
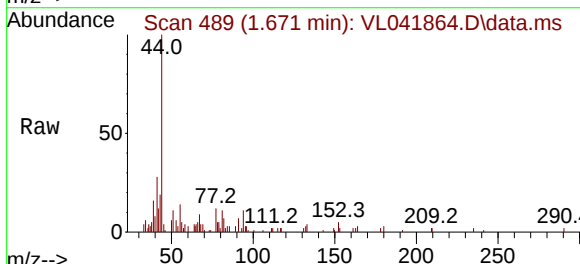
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

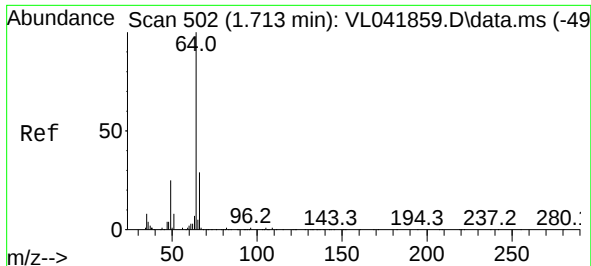
Tgt Ion: 62 Resp: 375
 Ion Ratio Lower Upper
 62 100
 64 38.9 24.1 36.1#



#6
 Bromomethane
 Concen: 0.055 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. -0.006 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

Tgt Ion: 94 Resp: 226
 Ion Ratio Lower Upper
 94 100
 96 45.8 74.8 112.2#

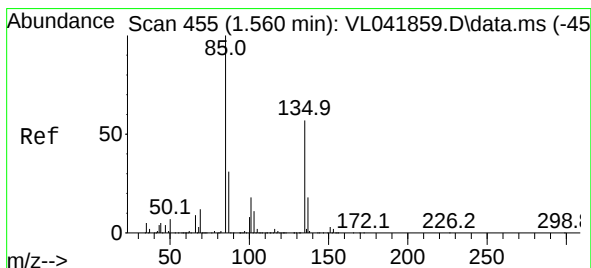
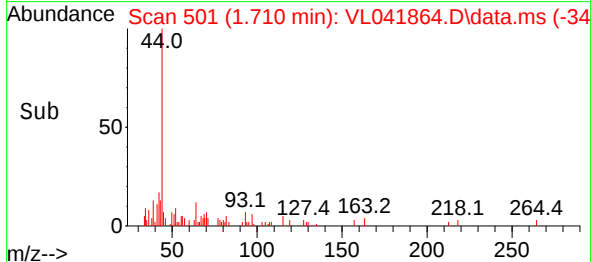
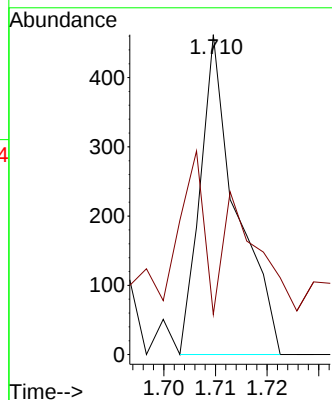
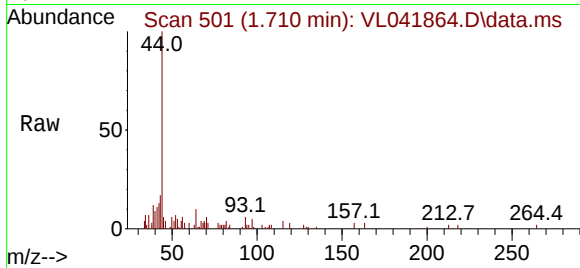




#7
Chloroethane
Concen: 0.061 ppbv
RT: 1.710 min Scan# 502
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

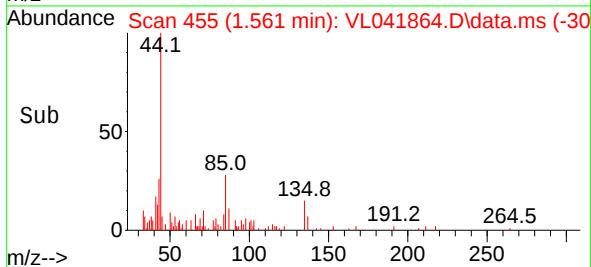
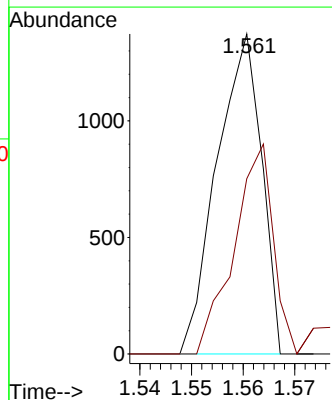
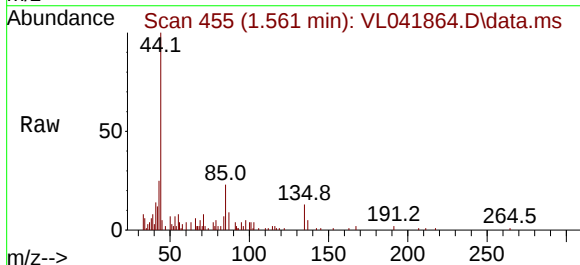
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ClientSampleId :
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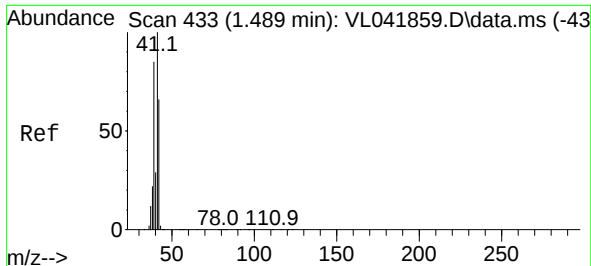
Tgt Ion: 64 Resp: 225
Ion Ratio Lower Upper
64 100
66 12.6 23.0 34.6#



#8
Dichlorotetrafluoroethane
Concen: 0.041 ppbv
RT: 1.561 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 85 Resp: 824
Ion Ratio Lower Upper
85 100
135 66.9 52.2 78.4





#9

Propene

Concen: 0.053 ppbv

RT: 1.434 min Scan# 41

Delta R.T. -0.055 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

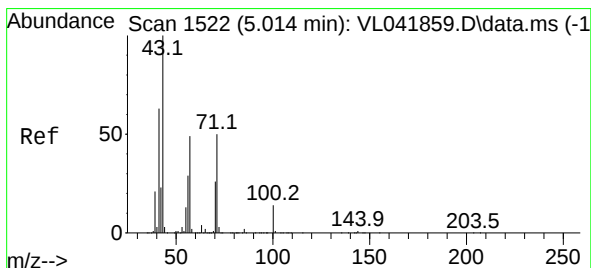
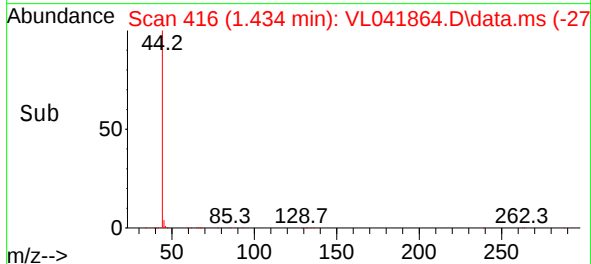
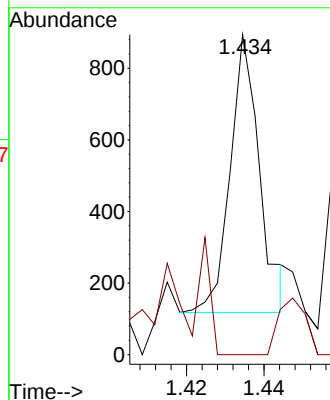
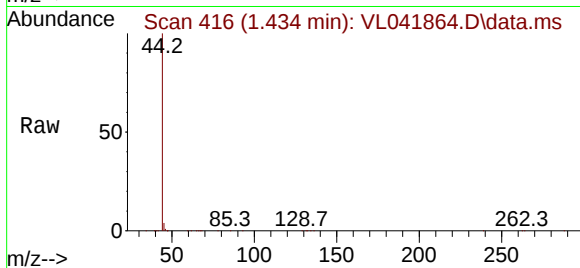
VSTDIC0.03

Tgt Ion: 41 Resp: 408

Ion Ratio Lower Upper

41 100

42 65.7 53.0 79.6



#10

Heptane

Concen: 0.025 ppbv

RT: 5.008 min Scan# 1520

Delta R.T. -0.006 min

Lab File: VL041864.D

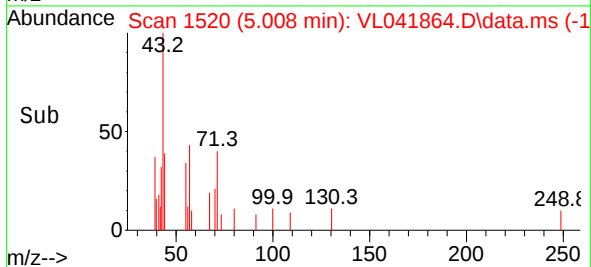
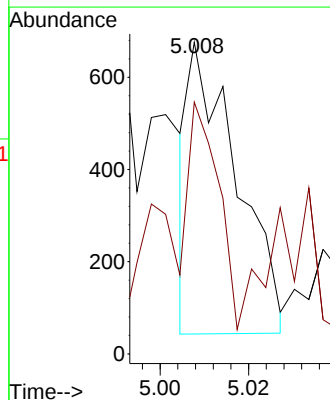
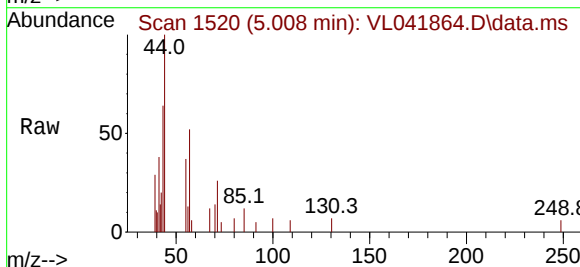
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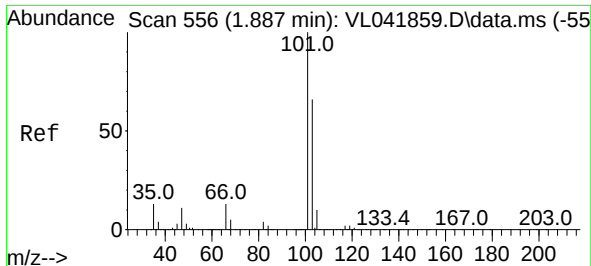
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Ion Ratio Lower Upper

43 100

57 168.2 40.2 60.2#





#11

Trichlorofluoromethane

Concen: 0.045 ppbv

RT: 1.884 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

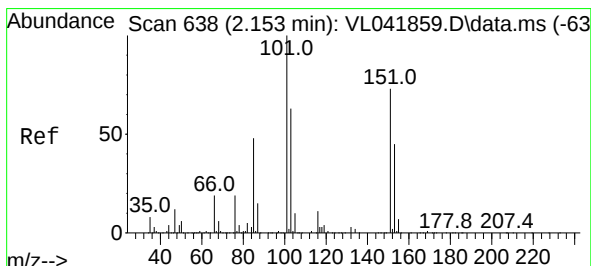
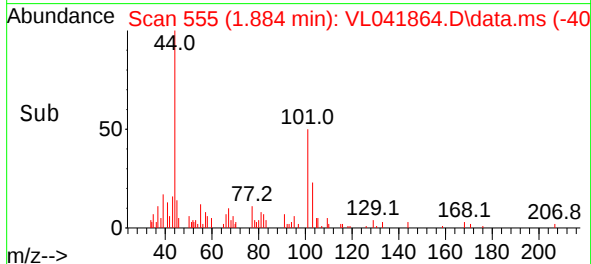
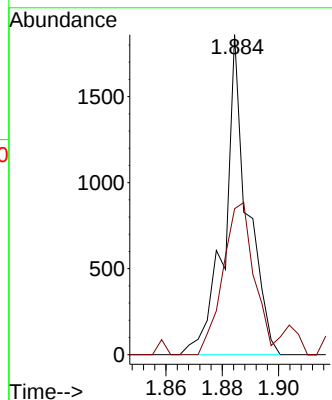
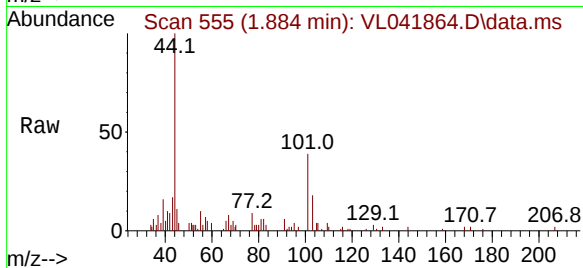
VSTDIC0.03

Tgt Ion:101 Resp: 1047

Ion Ratio Lower Upper

101 100

103 45.6 52.6 78.8#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.046 ppbv

RT: 2.147 min Scan# 636

Delta R.T. -0.006 min

Lab File: VL041864.D

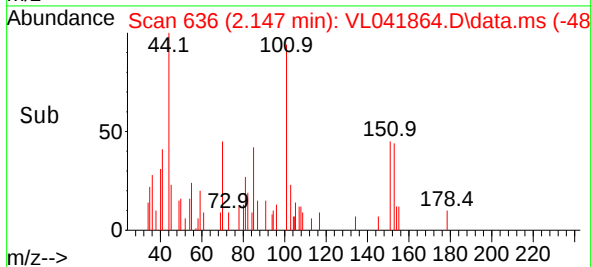
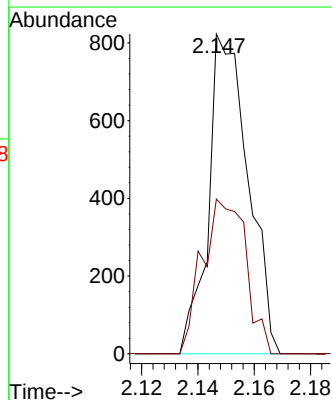
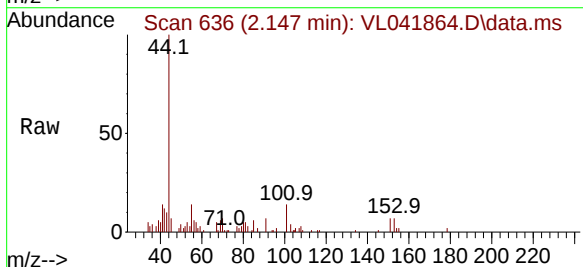
Acq: 09 Jan 2025 13:54

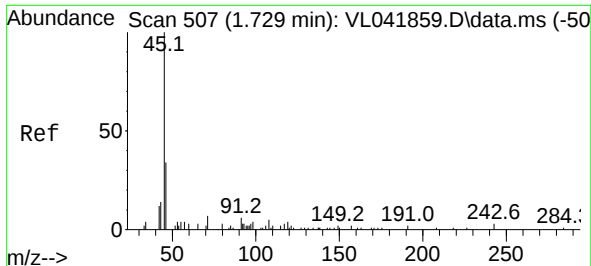
Tgt Ion:101 Resp: 806

Ion Ratio Lower Upper

101 100

151 53.1 59.4 89.0#





#13

Ethanol

Concen: 1.693 ppbv

RT: 1.897 min Scan# 51

Delta R.T. 0.169 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

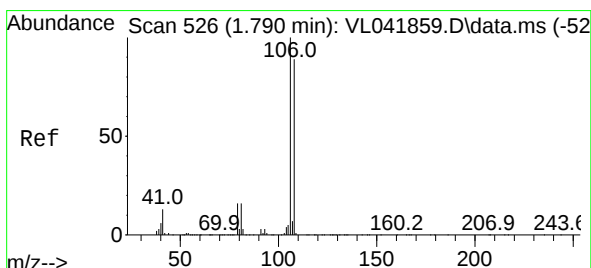
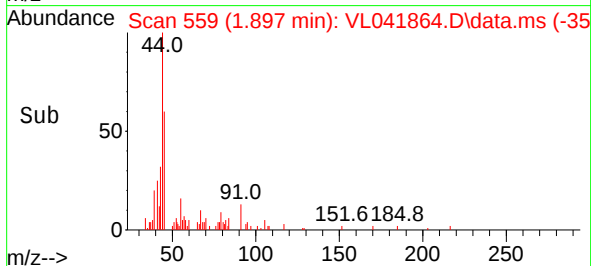
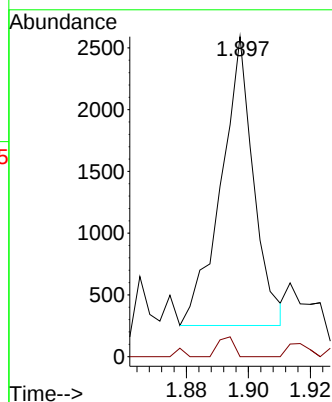
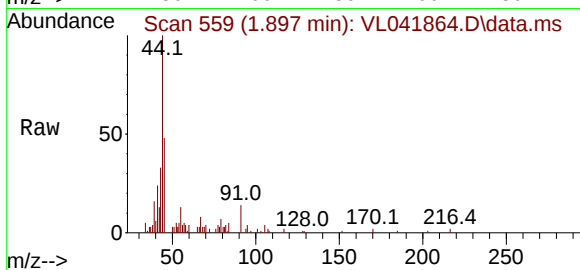
VSTDICC0.03

Tgt Ion: 45 Resp: 1707

Ion Ratio Lower Upper

45 100

46 0.0 19.0 76.0#



#14

Bromoethene

Concen: 0.107 ppbv

RT: 1.787 min Scan# 525

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

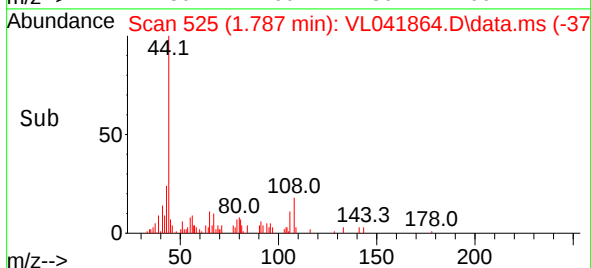
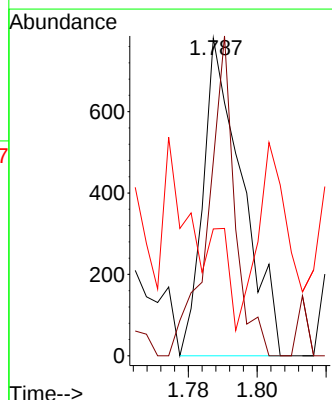
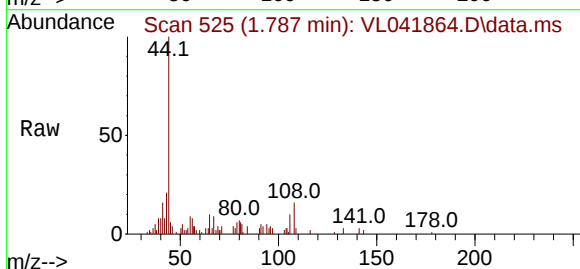
Tgt Ion: 108 Resp: 613

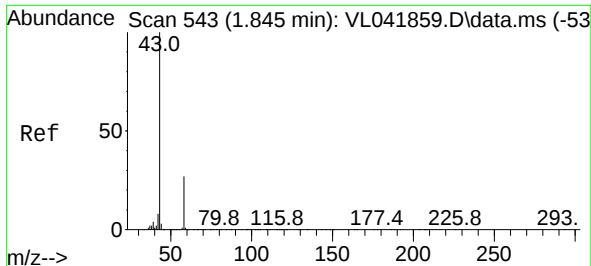
Ion Ratio Lower Upper

108 100

106 77.0 86.9 130.3#

79 0.0 15.6 23.4#





#15

Acetone

Concen: 0.154 ppbv

RT: 1.846 min Scan# 54

Delta R.T. 0.000 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

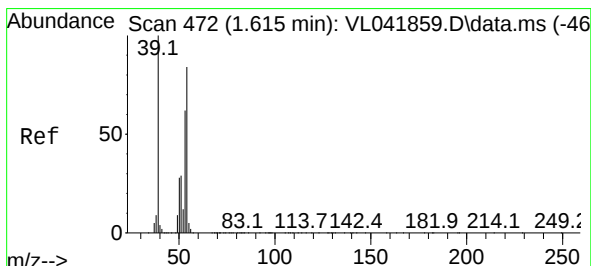
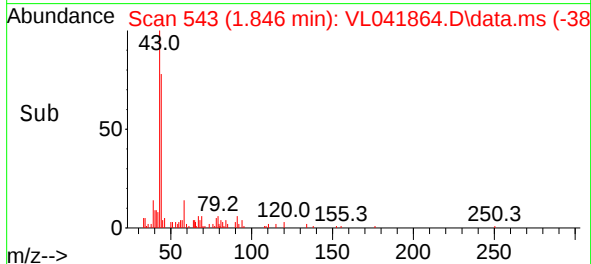
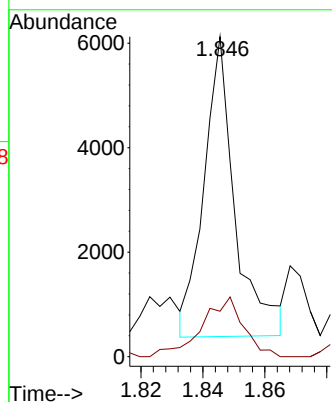
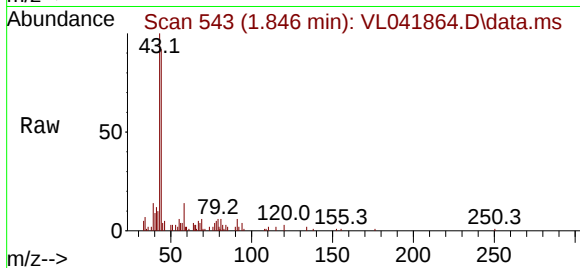
VSTDIC0.03

Tgt Ion: 43 Resp: 3978

Ion Ratio Lower Upper

43 100

58 29.8 22.7 34.1



#16

1,3-Butadiene

Concen: 0.118 ppbv

RT: 1.612 min Scan# 471

Delta R.T. -0.003 min

Lab File: VL041864.D

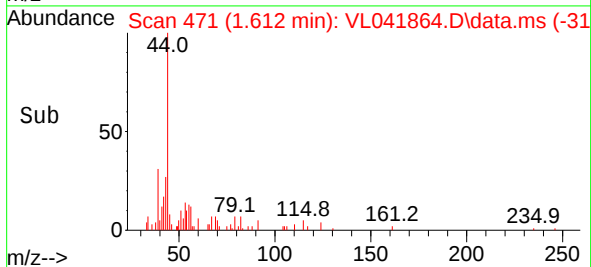
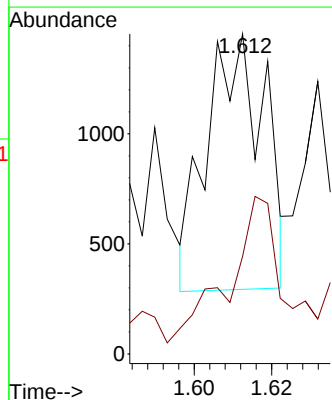
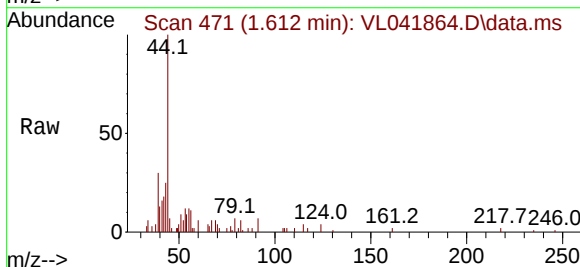
Acq: 09 Jan 2025 13:54

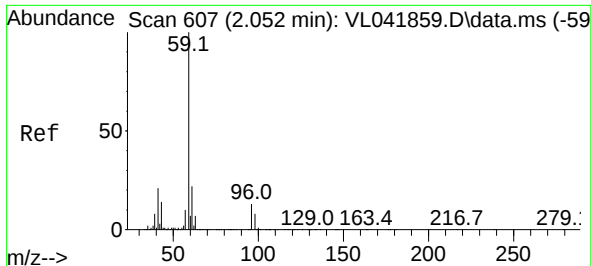
Tgt Ion: 39 Resp: 1199

Ion Ratio Lower Upper

39 100

54 92.6 60.1 90.1#

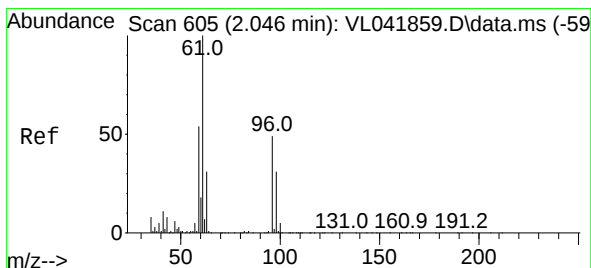
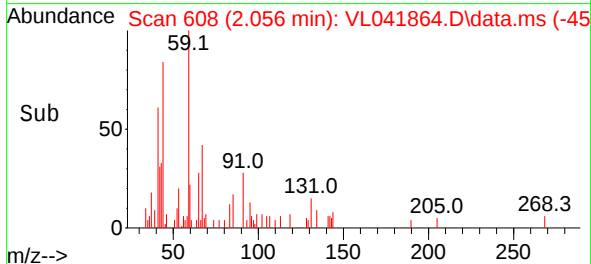
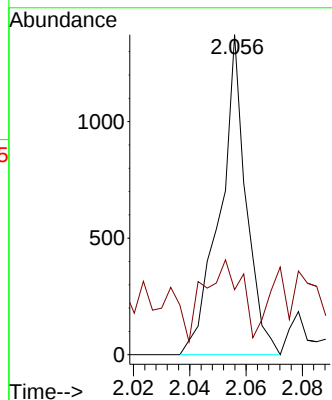
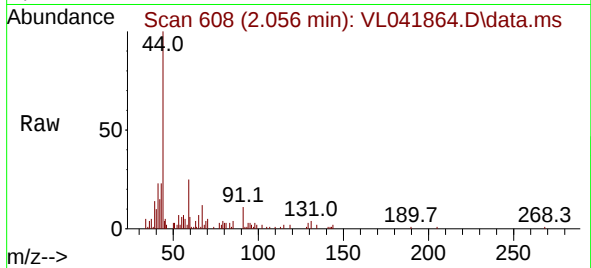




#17
tert-Butyl alcohol
Concen: 0.039 ppbv
RT: 2.056 min Scan# 607
Delta R.T. 0.004 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

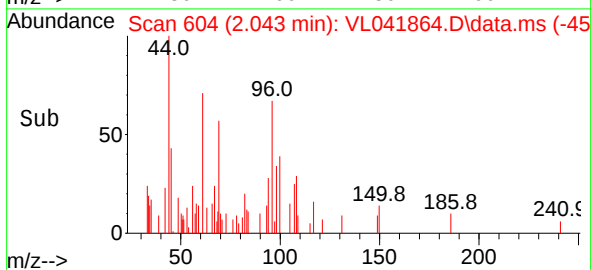
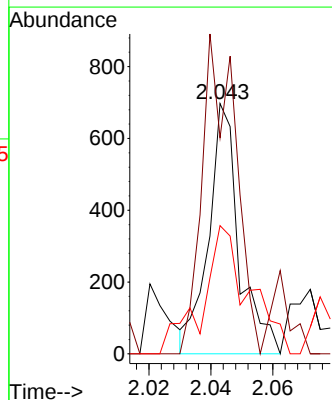
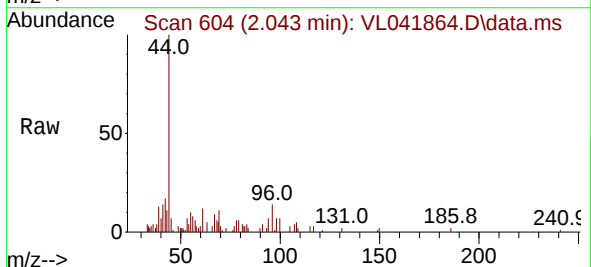
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

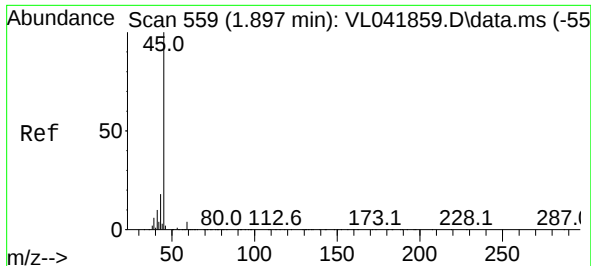
Tgt Ion: 59 Resp: 884
Ion Ratio Lower Upper
59 100
57 114.4 8.2 12.4#



#18
1,1-Dichloroethene
Concen: 0.065 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 96 Resp: 475
Ion Ratio Lower Upper
96 100
61 86.4 161.7 242.5#
98 39.3 51.0 76.4#





#19

Isopropyl Alcohol

Concen: 0.140 ppbv

RT: 1.897 min Scan# 559

Delta R.T. 0.000 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

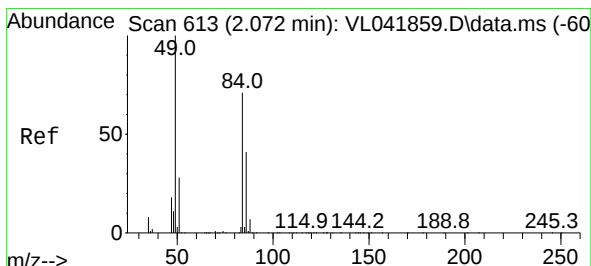
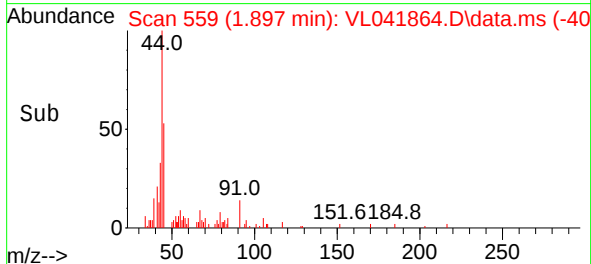
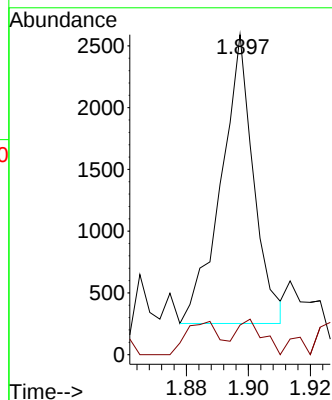
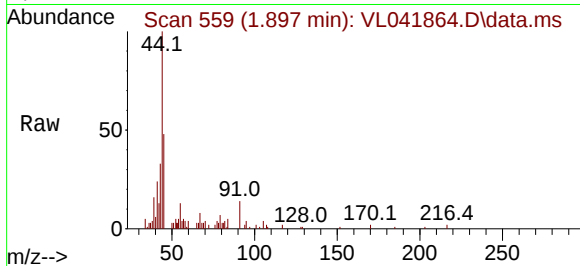
VSTDIC0.03

Tgt Ion: 45 Resp: 1707

Ion Ratio Lower Upper

45 100

58 24.5 37.0 55.6#



#20

Methylene Chloride

Concen: 0.200 ppbv

RT: 2.069 min Scan# 612

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Tgt Ion: 84 Resp: 1482

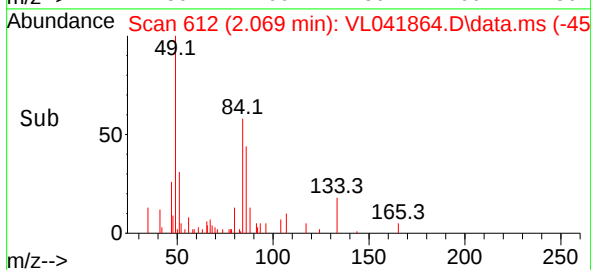
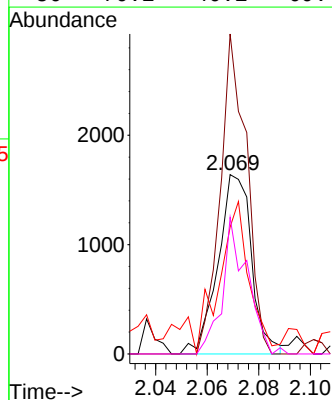
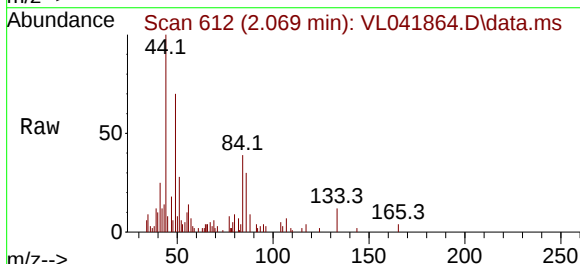
Ion Ratio Lower Upper

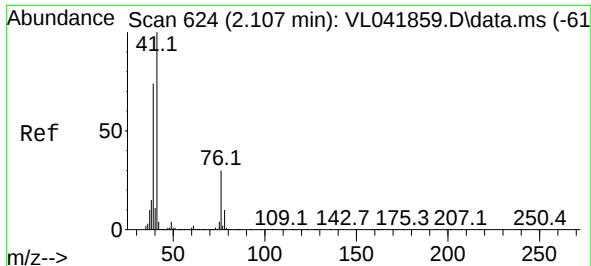
84 100

49 178.4 113.8 170.8#

51 65.3 33.5 50.3#

86 76.2 46.2 69.4#

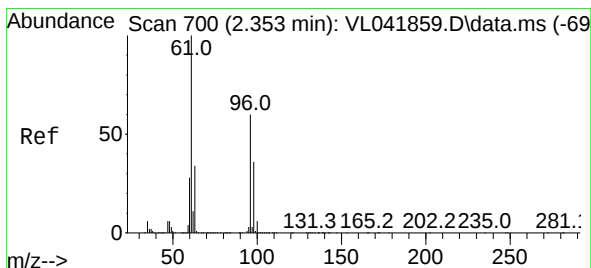
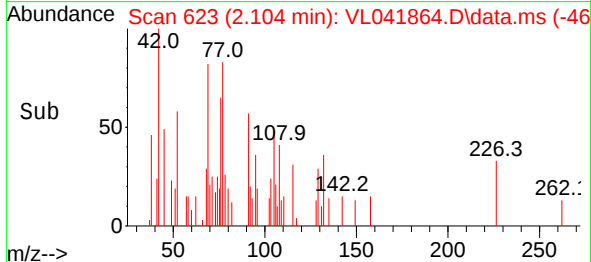
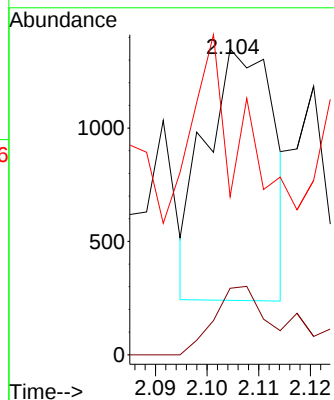
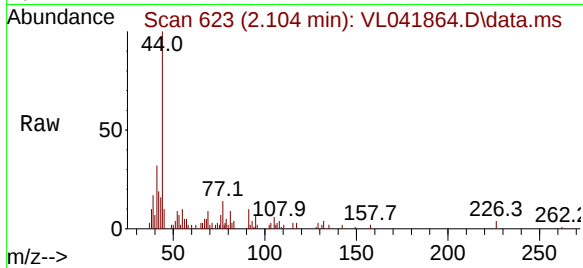




#21
 Allyl Chloride
 Concen: 0.076 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

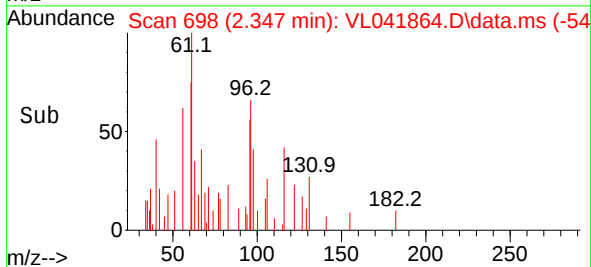
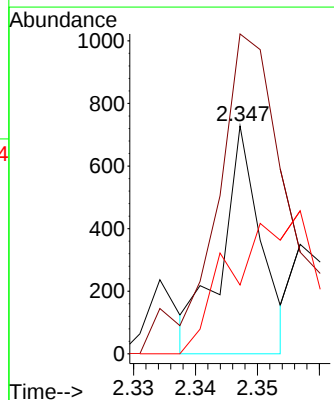
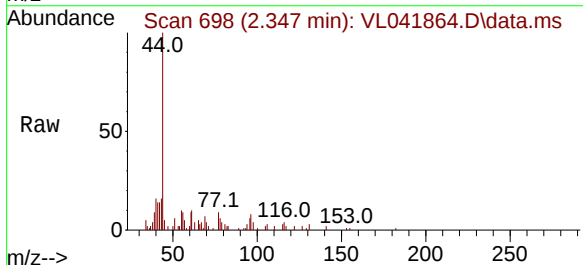
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

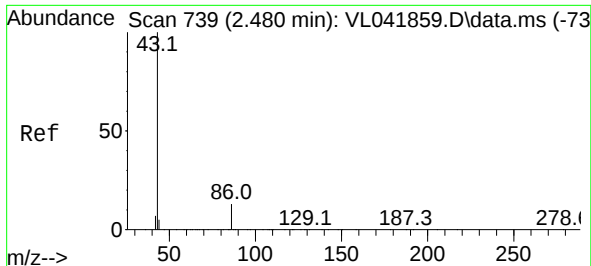
Tgt Ion: 41 Resp: 1019
 Ion Ratio Lower Upper
 41 100
 76 34.5 24.6 36.8
 39 173.0 60.1 90.1#



#22
 trans-1,2-Dichloroethene
 Concen: 0.039 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. -0.006 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

Tgt Ion: 96 Resp: 321
 Ion Ratio Lower Upper
 96 100
 61 154.3 134.2 201.4
 98 36.4 49.0 73.4#

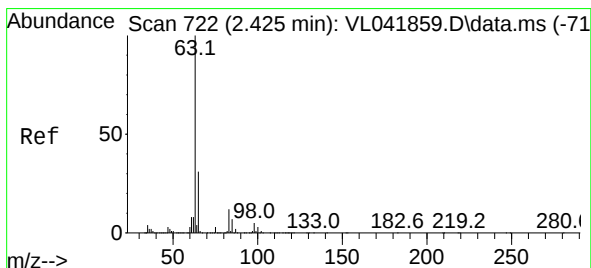
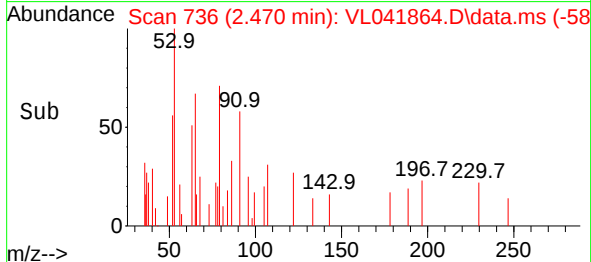
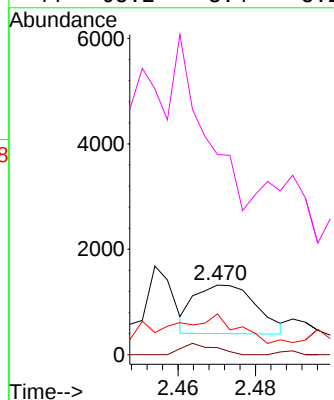
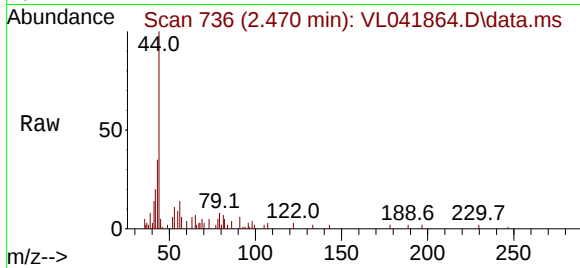




#23
 Vinyl Acetate
 Concen: 0.127 ppbv
 RT: 2.470 min Scan# 741
 Delta R.T. -0.009 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

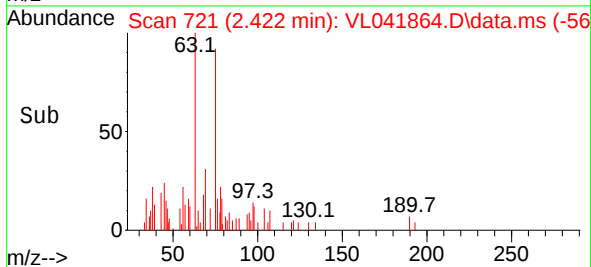
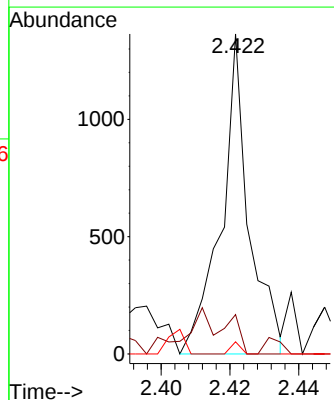
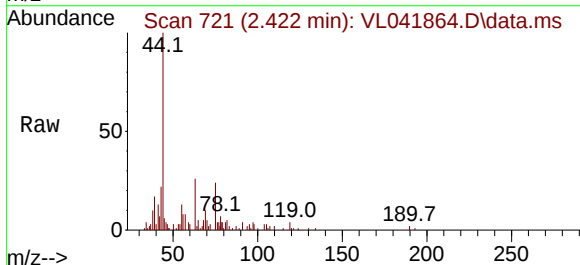
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

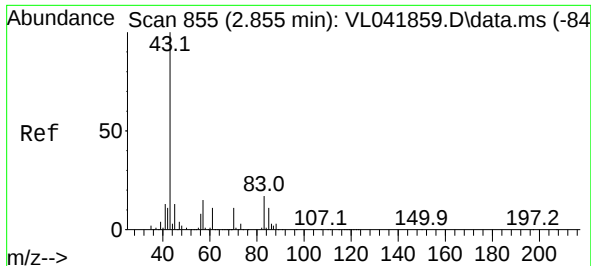
Tgt Ion: 43	Resp: 1019
Ion Ratio	Lower Upper
43 100	
86 11.2	7.8 11.6
42 67.4	7.0 10.4#
44 95.2	3.4 5.2#



#24
 1,1-Dichloroethane
 Concen: 0.042 ppbv
 RT: 2.422 min Scan# 721
 Delta R.T. -0.003 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

Tgt Ion: 63	Resp: 759
Ion Ratio	Lower Upper
63 100	
98 8.6	2.3 6.9#
100 3.8	1.3 3.8#

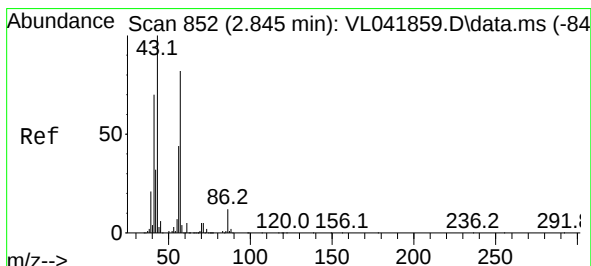
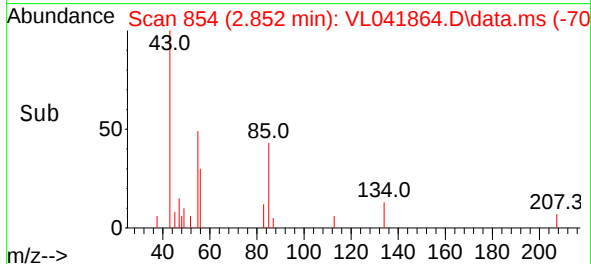
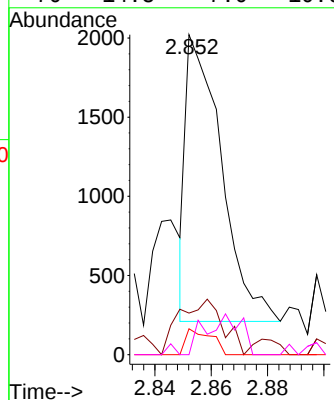
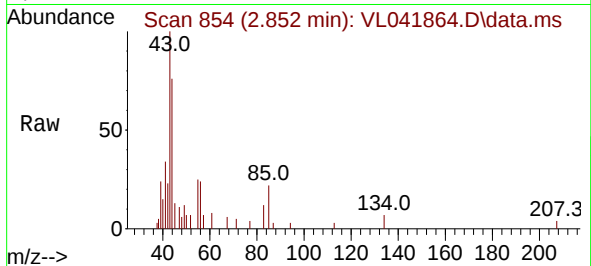




#25
Ethyl Acetate
Concen: 0.037 ppbv
RT: 2.852 min Scan# 854
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

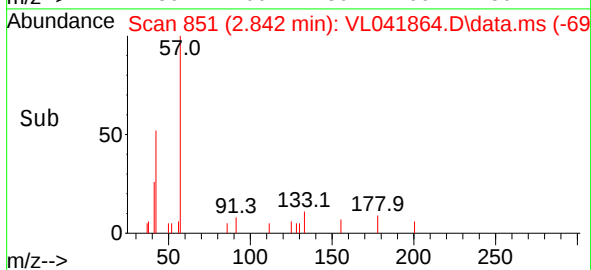
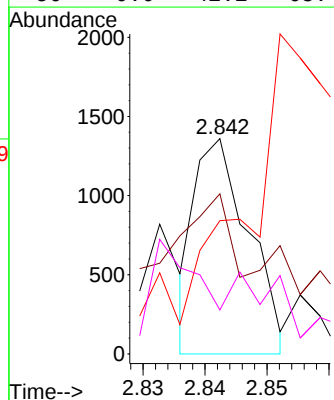
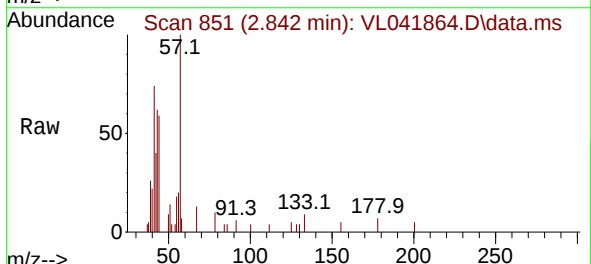
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

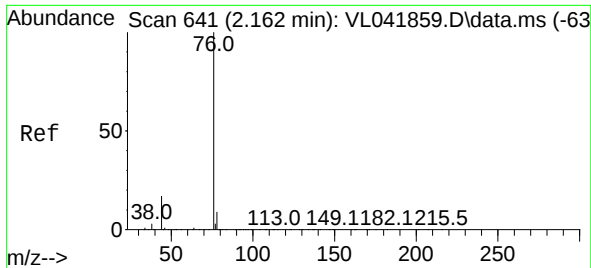
Tgt Ion:	43	Resp:	1586
Ion	Ratio	Lower	Upper
43	100		
45	33.6	8.4	12.6#
61	6.4	7.3	10.9#
70	14.8	7.0	10.6#



#26
Hexane
Concen: 0.055 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion:	57	Resp:	824
Ion	Ratio	Lower	Upper
57	100		
41	126.3	71.5	107.3#
43	0.0	200.2	300.4#
56	0.0	42.2	63.4#

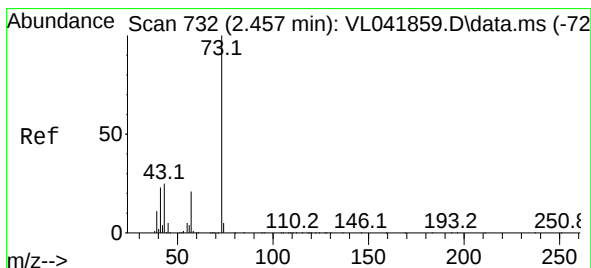
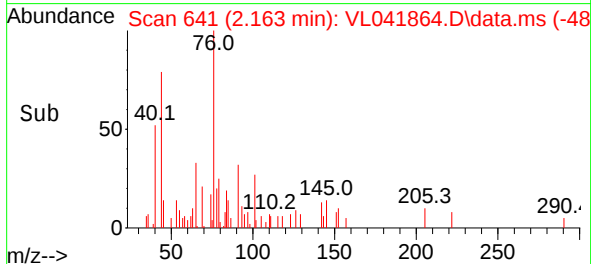
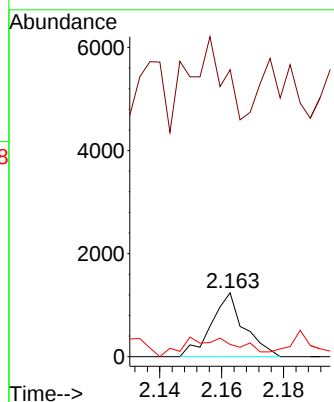
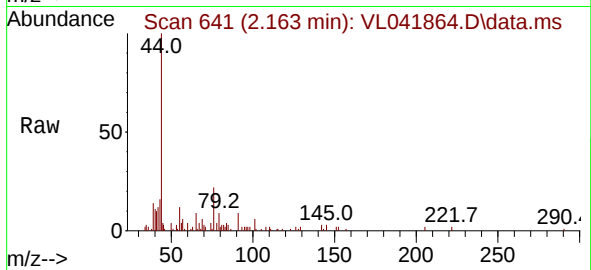




#27
Carbon Disulfide
Concen: 0.064 ppbv
RT: 2.163 min Scan# 641
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

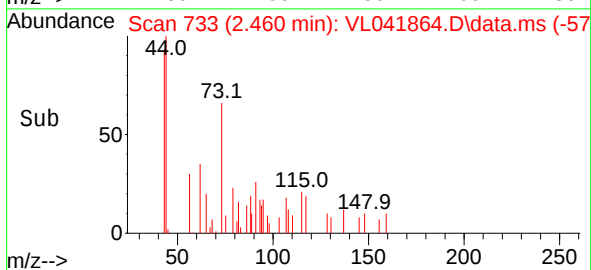
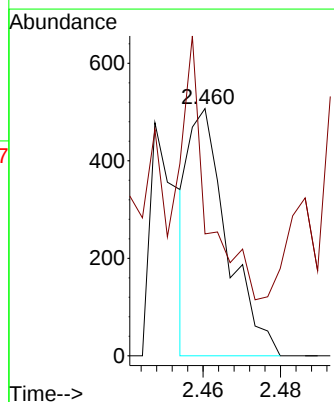
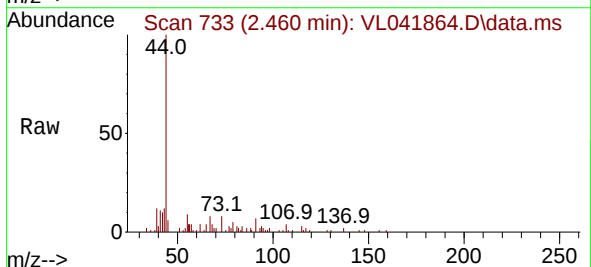
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.03

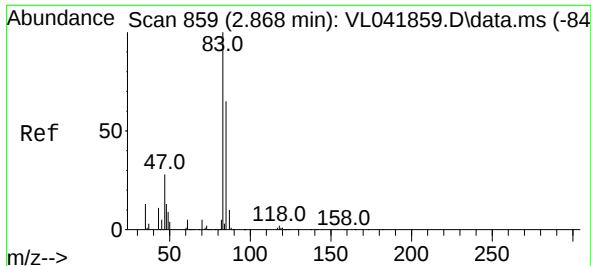
Tgt Ion: 76 Resp: 909
Ion Ratio Lower Upper
76 100
44 659.1 13.1 19.7#
78 0.0 9.5 14.3#



#28
Methyl tert-Butyl Ether
Concen: 0.031 ppbv
RT: 2.460 min Scan# 733
Delta R.T. 0.004 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 73 Resp: 348
Ion Ratio Lower Upper
73 100
57 353.7 17.5 26.3#





#29

Chloroform

Concen: 0.001 ppbv

RT: 2.393 min Scan# 71

Delta R.T. -0.475 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

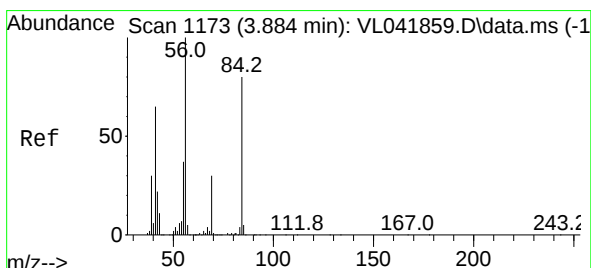
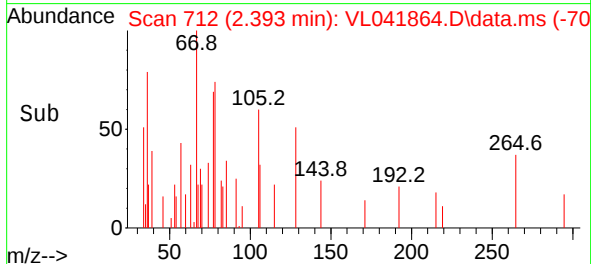
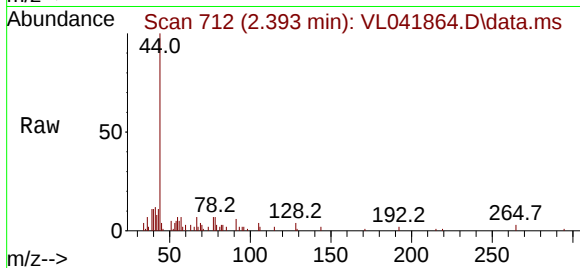
VSTDIC0.03

Tgt Ion: 83 Resp: 40

Ion Ratio Lower Upper

83 100

85 72.5 51.7 77.5



#30

Cyclohexane

Concen: 0.058 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

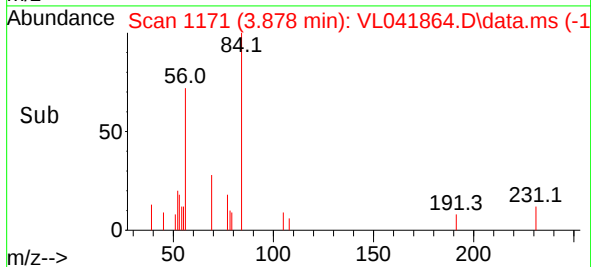
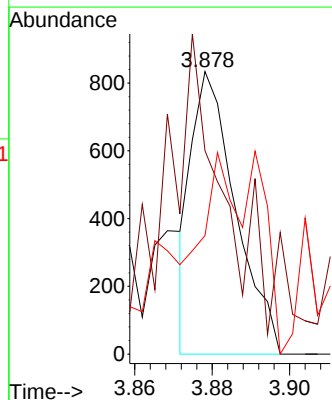
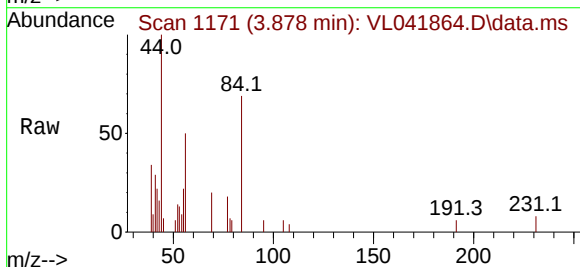
Tgt Ion: 84 Resp: 659

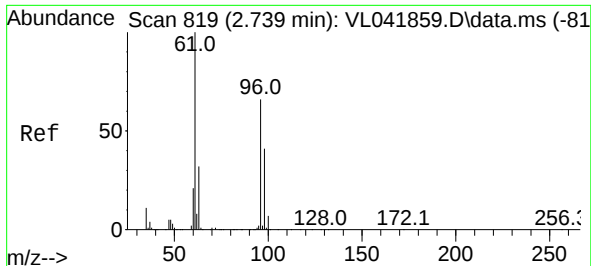
Ion Ratio Lower Upper

84 100

56 172.7 100.7 151.1#

41 137.6 62.8 94.2#

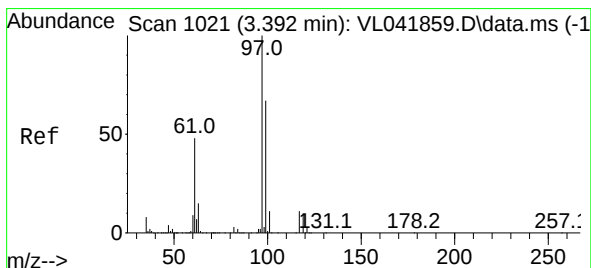
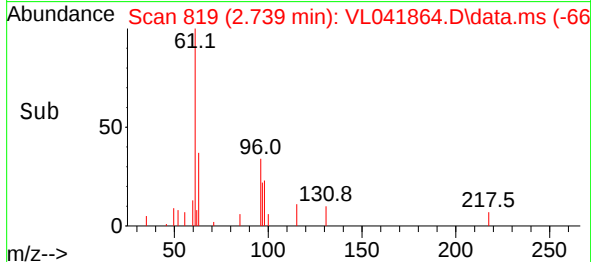
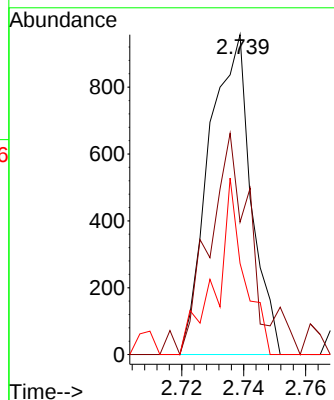
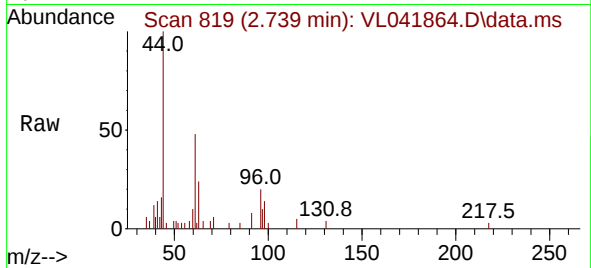




#31
 cis-1,2-Dichloroethene
 Concen: 0.058 ppbv
 RT: 2.739 min Scan# 819
 Delta R.T. 0.000 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

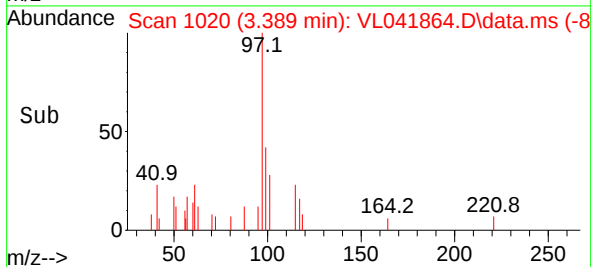
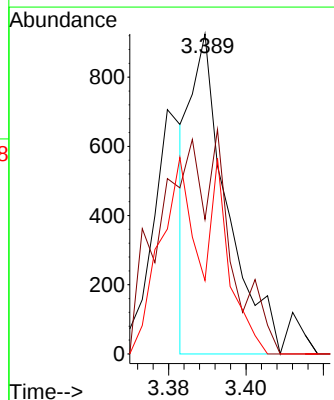
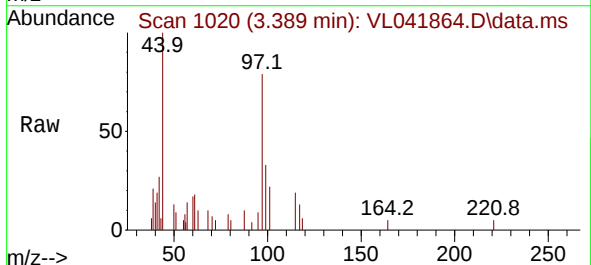
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

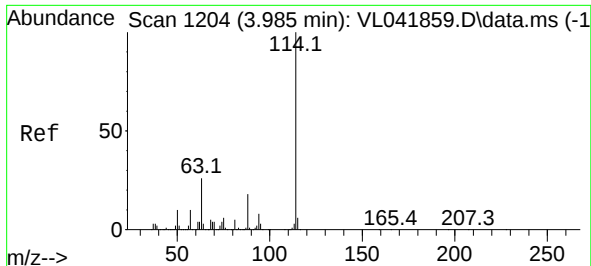
Tgt Ion: 61 Resp: 903
 Ion Ratio Lower Upper
 61 100
 96 41.4 53.2 79.8#
 98 28.5 32.5 48.7#



#32
 1,1,1-Trichloroethane
 Concen: 0.024 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. -0.003 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

Tgt Ion: 97 Resp: 610
 Ion Ratio Lower Upper
 97 100
 99 128.0 52.0 78.0#
 61 0.0 38.8 58.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.982 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

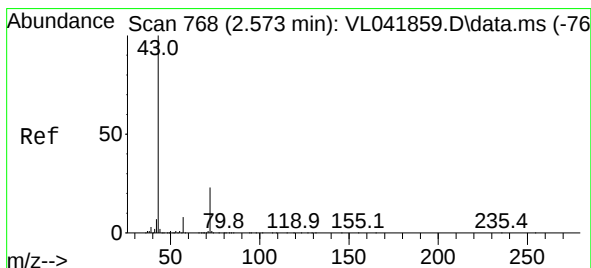
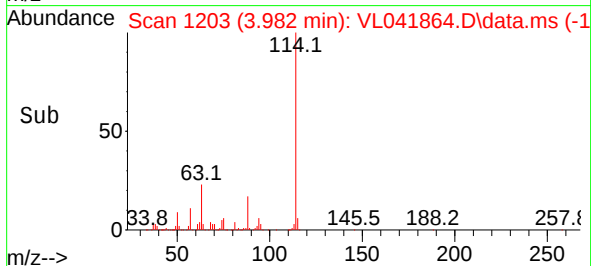
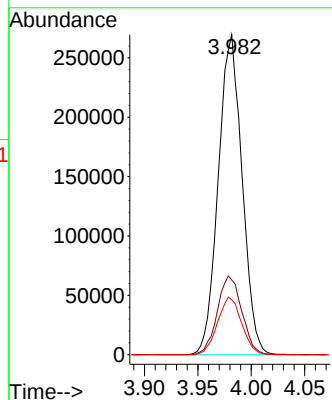
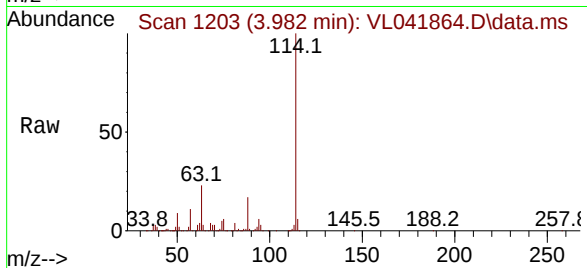
Tgt Ion:114 Resp: 417764

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

88 18.1 14.6 21.8



#34

2-Butanone

Concen: 0.052 ppbv

RT: 2.574 min Scan# 768

Delta R.T. 0.000 min

Lab File: VL041864.D

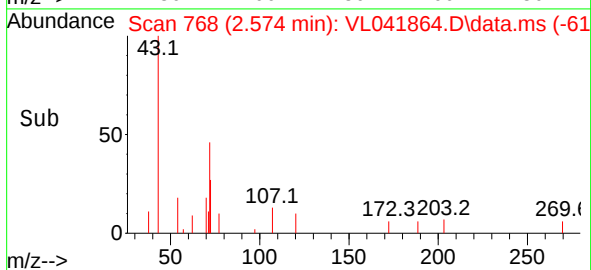
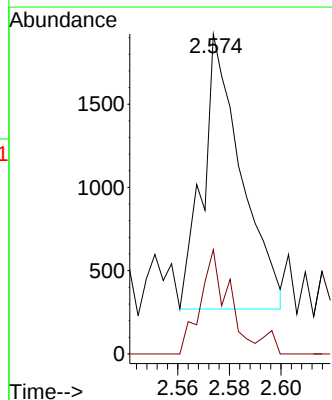
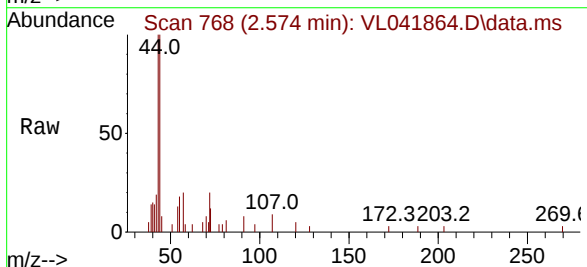
Acq: 09 Jan 2025 13:54

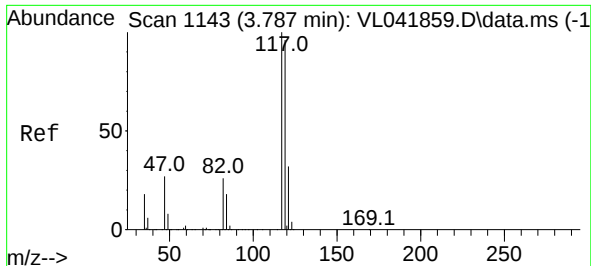
Tgt Ion: 43 Resp: 1708

Ion Ratio Lower Upper

43 100

72 30.6 18.5 27.7#





#35

Carbon Tetrachloride

Concen: 0.012 ppbv

RT: 3.791 min Scan# 1144

Delta R.T. 0.004 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

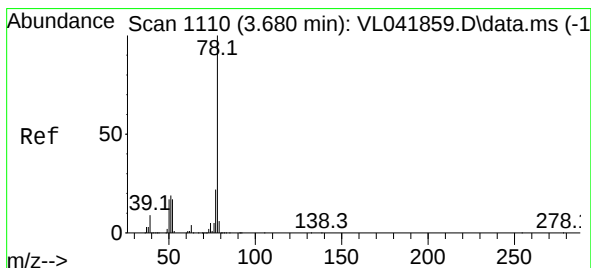
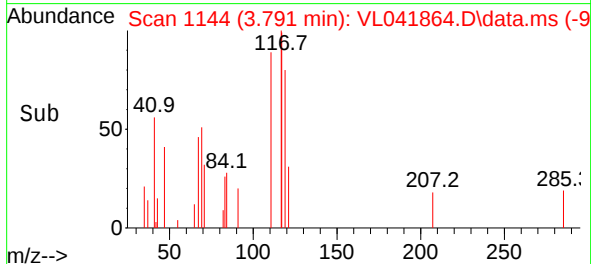
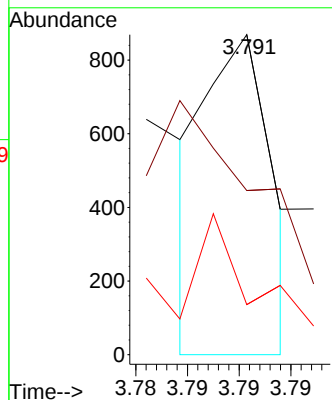
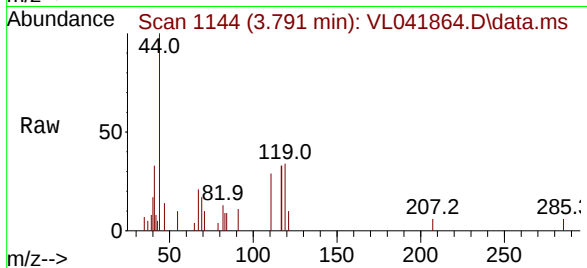
Tgt Ion:117 Resp: 388

Ion Ratio Lower Upper

117 100

119 0.0 76.9 115.3#

121 8.2 25.9 38.9#



#36

Benzene

Concen: 0.036 ppbv

RT: 3.671 min Scan# 1107

Delta R.T. -0.009 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

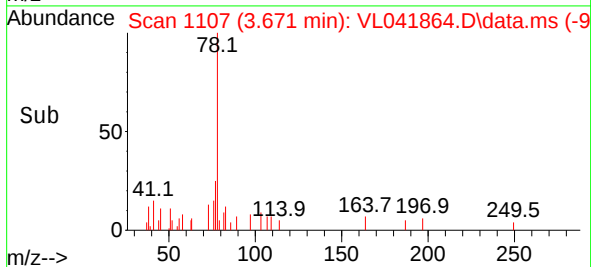
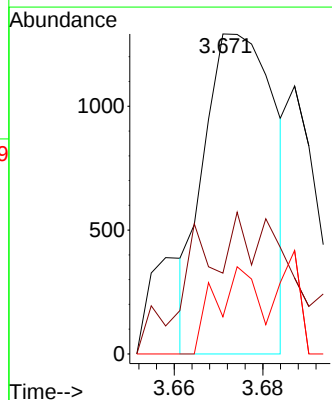
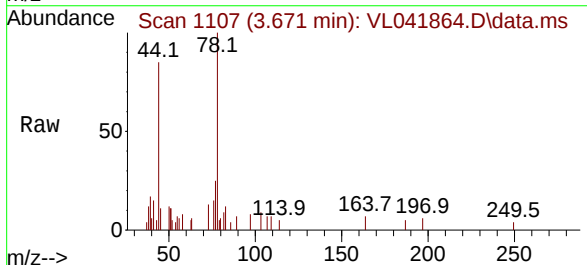
Tgt Ion: 78 Resp: 1433

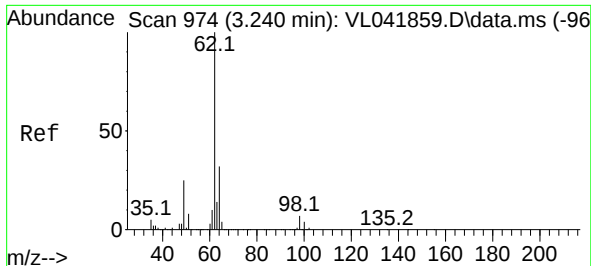
Ion Ratio Lower Upper

78 100

77 16.7 17.9 26.9#

50 16.6 13.7 20.5

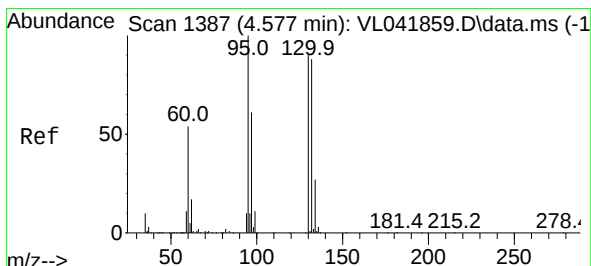
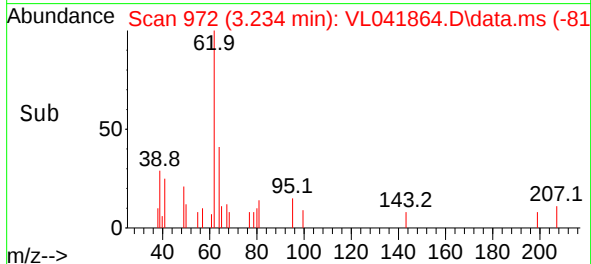
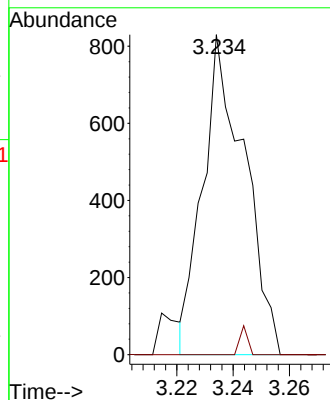
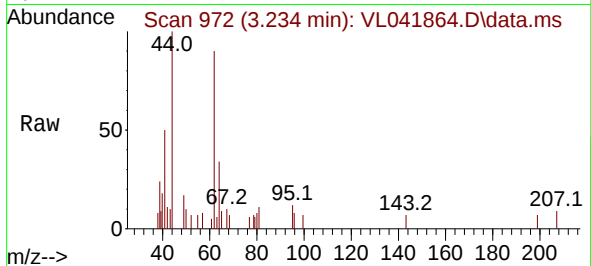




#37
1,2-Dichloroethane
Concen: 0.032 ppbv
RT: 3.234 min Scan# 91
Delta R.T. -0.006 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

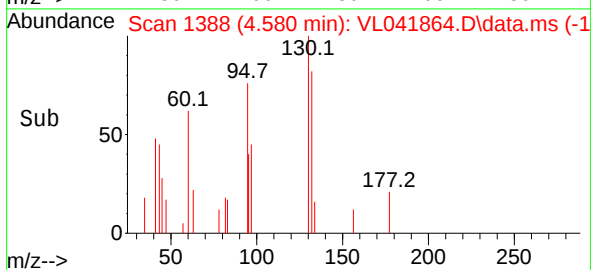
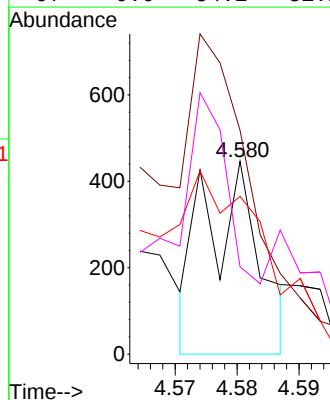
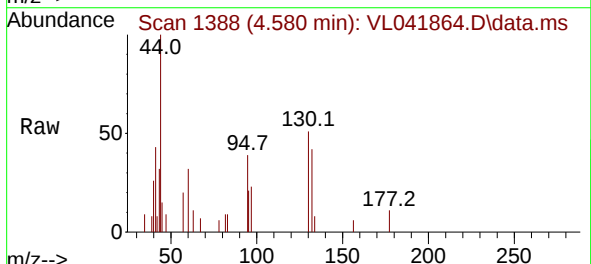
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

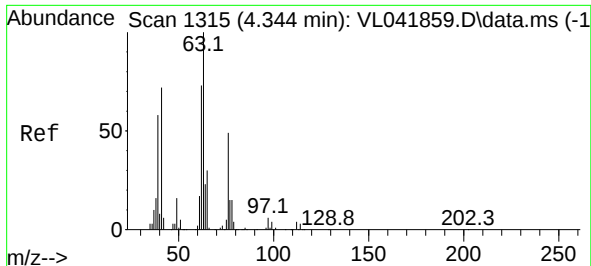
Tgt Ion: 62 Resp: 850
Ion Ratio Lower Upper
62 100
98 1.8 5.6 8.4#



#38
Trichloroethene
Concen: 0.017 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.004 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion:130 Resp: 268
Ion Ratio Lower Upper
130 100
95 109.6 88.5 132.7
132 75.5 78.2 117.2#
97 0.0 54.2 81.2#





#39

1,2-Dichloropropane

Concen: 6.838 ppbv

RT: 3.978 min Scan# 11

Delta R.T. -0.365 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

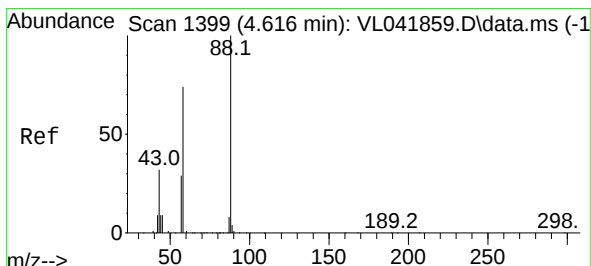
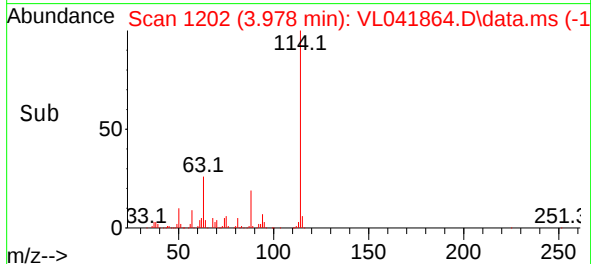
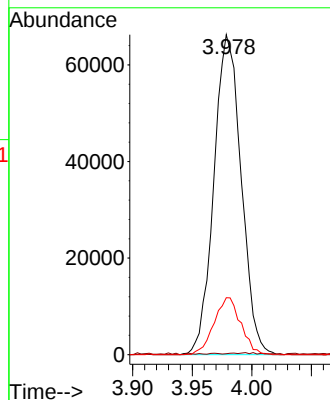
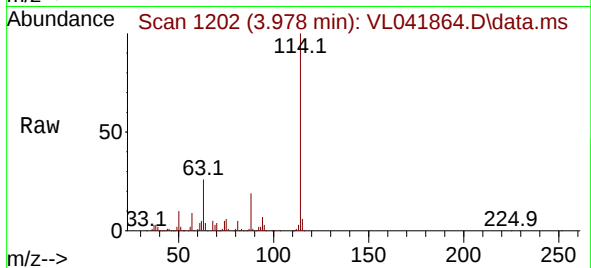
Tgt Ion: 63 Resp: 105561

Ion Ratio Lower Upper

63 100

41 0.3 58.0 87.0#

62 17.8 58.6 87.8#



#40

1,4-Dioxane

Concen: 0.023 ppbv

RT: 4.648 min Scan# 1409

Delta R.T. 0.033 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Tgt Ion: 88 Resp: 136

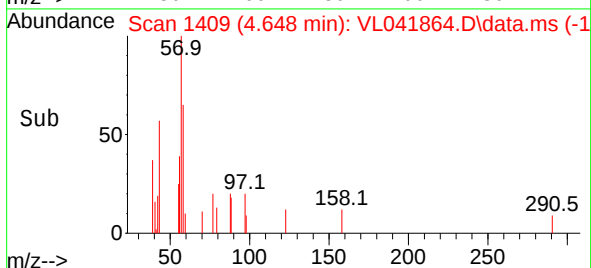
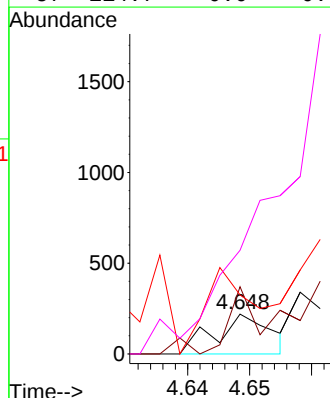
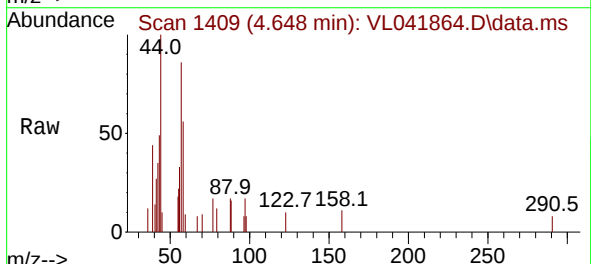
Ion Ratio Lower Upper

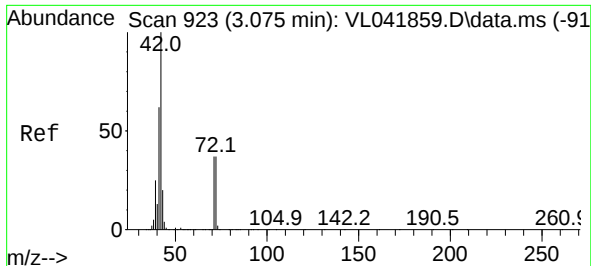
88 100

58 0.0 52.2 78.4#

43 0.0 0.0 0.0

57 114.7 0.0 0.0#

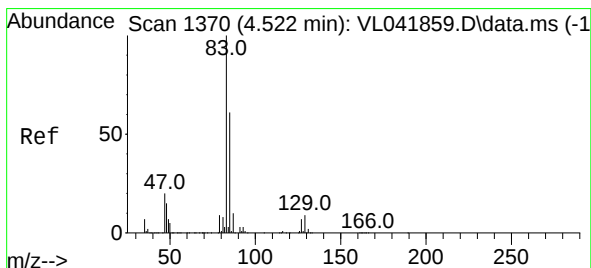
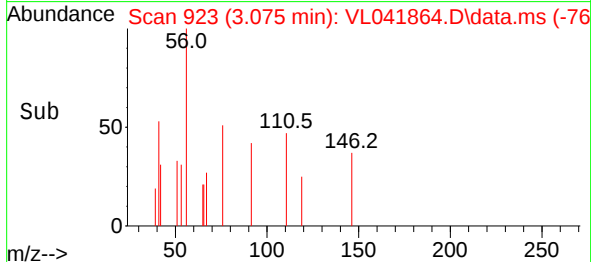
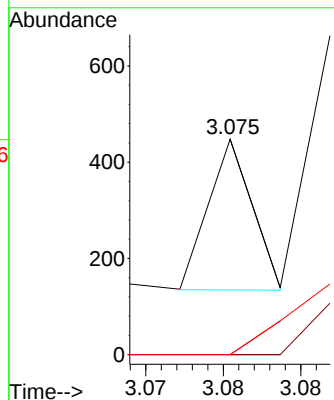
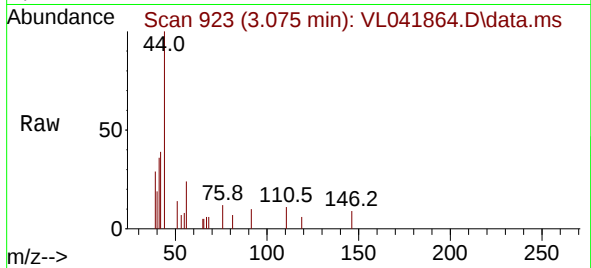




#41
Tetrahydrofuran
Concen: 0.004 ppbv
RT: 3.075 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

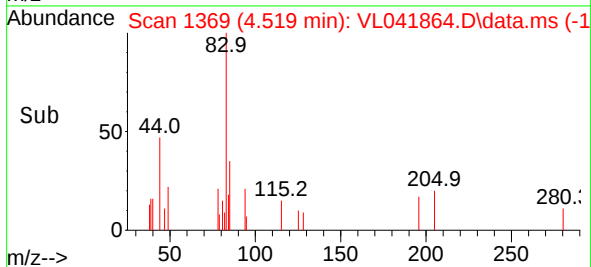
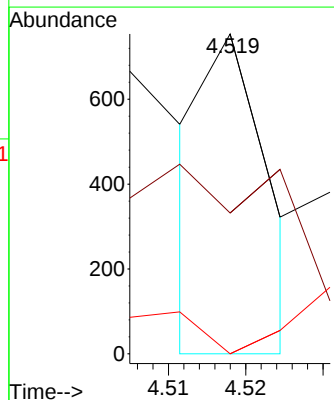
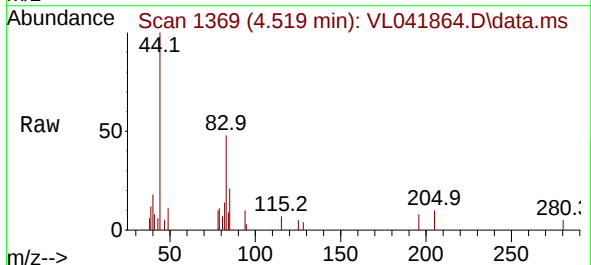
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

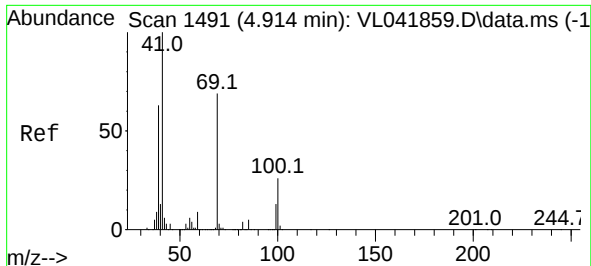
Tgt Ion: 42 Resp: 62
Ion Ratio Lower Upper
42 100
72 0.0 30.8 46.2#
71 0.0 30.1 45.1#



#42
Bromodichloromethane
Concen: 0.007 ppbv
RT: 4.519 min Scan# 1369
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 83 Resp: 209
Ion Ratio Lower Upper
83 100
85 0.0 48.9 73.3#
127 0.0 5.4 8.2#





#43

Methyl Methacrylate

Concen: 0.022 ppbv

RT: 4.914 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

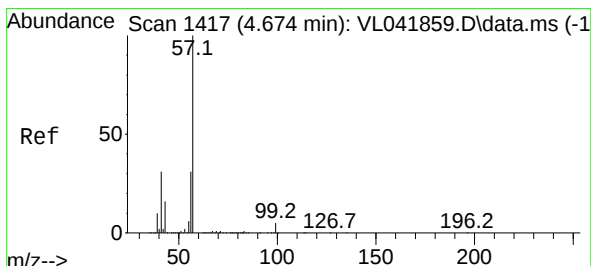
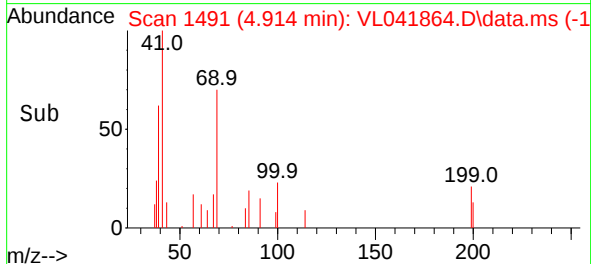
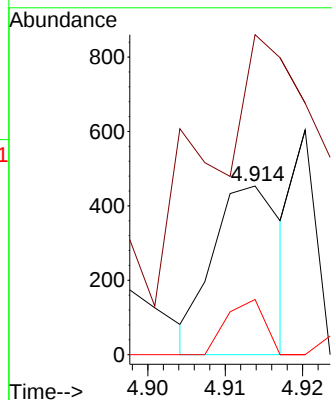
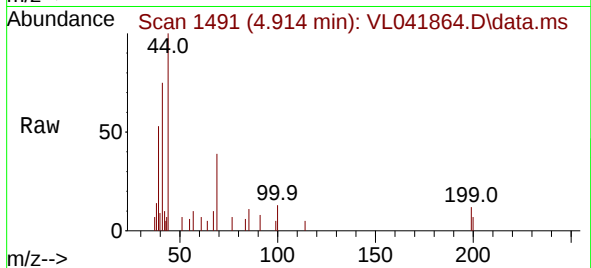
Tgt Ion: 69 Resp: 280

Ion Ratio Lower Upper

69 100

41 536.8 116.2 174.4#

100 0.0 29.8 44.8#



#44

2,2,4-Trimethylpentane

Concen: 0.012 ppbv

RT: 4.678 min Scan# 1418

Delta R.T. 0.004 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

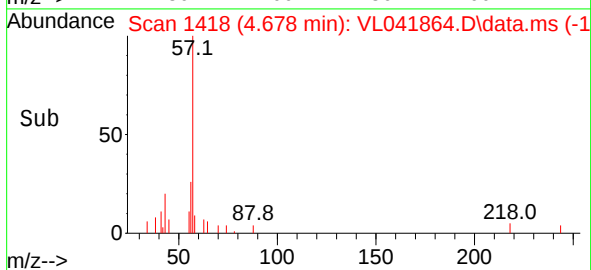
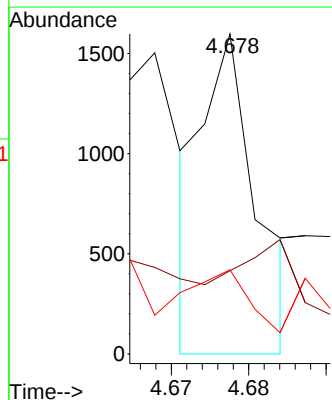
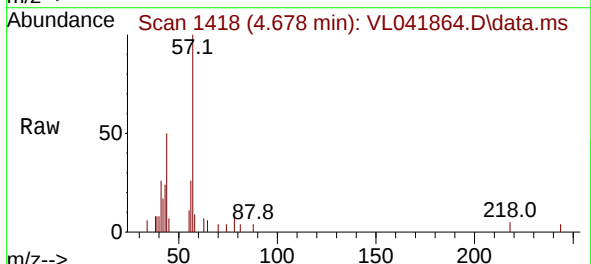
Tgt Ion: 57 Resp: 776

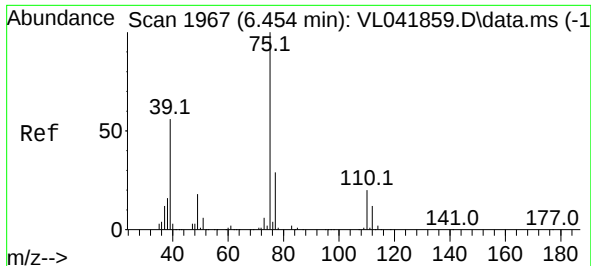
Ion Ratio Lower Upper

57 100

41 0.0 25.5 38.3#

56 0.0 25.6 38.4#





#45

t-1,3-Dichloropropene

Concen: 0.027 ppbv

RT: 6.451 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

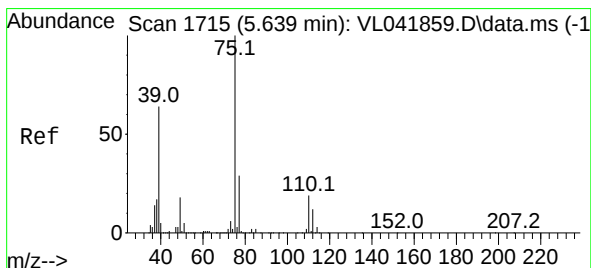
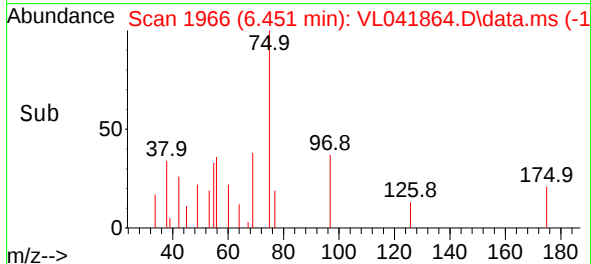
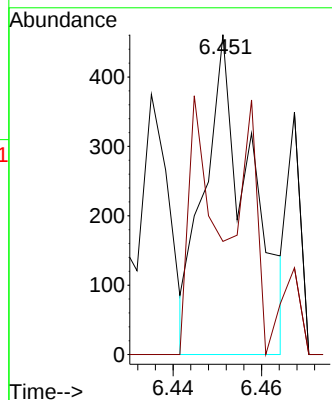
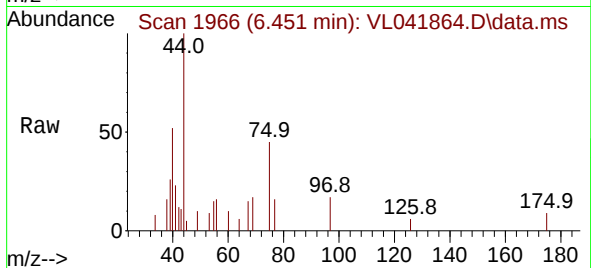
VSTDIC0.03

Tgt Ion: 75 Resp: 333

Ion Ratio Lower Upper

75 100

77 35.4 23.4 35.2#



#46

cis-1,3-Dichloropropene

Concen: 0.030 ppbv

RT: 5.629 min Scan# 1712

Delta R.T. -0.009 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

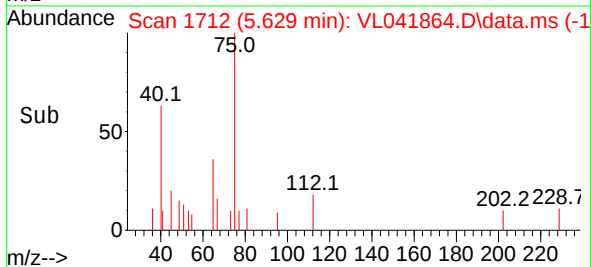
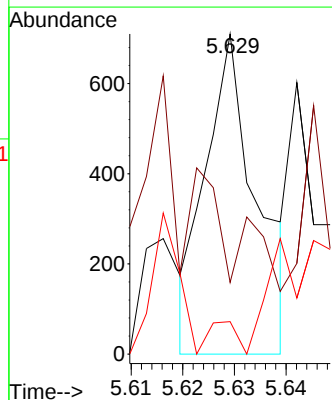
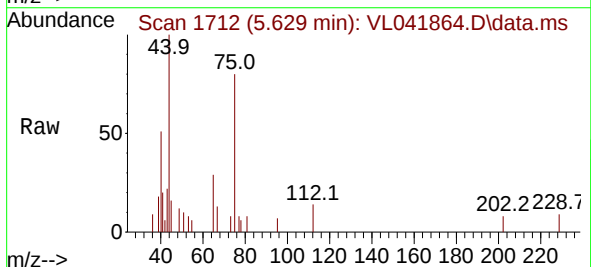
Tgt Ion: 75 Resp: 484

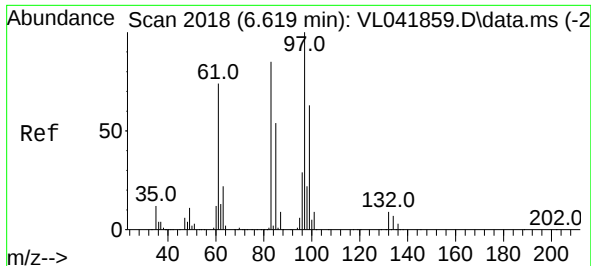
Ion Ratio Lower Upper

75 100

39 3.7 51.4 77.2#

77 0.0 23.0 34.4#





#47

1,1,2-Trichloroethane

Concen: 0.019 ppbv

RT: 6.616 min Scan# 2018

Delta R.T. -0.003 min

Lab File: VL041864.D

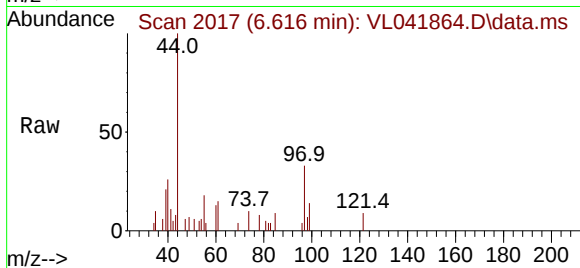
Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03



Tgt Ion: 97 Resp: 315

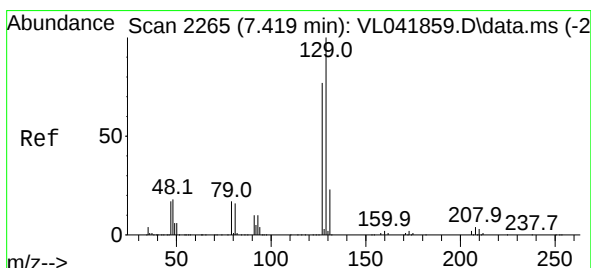
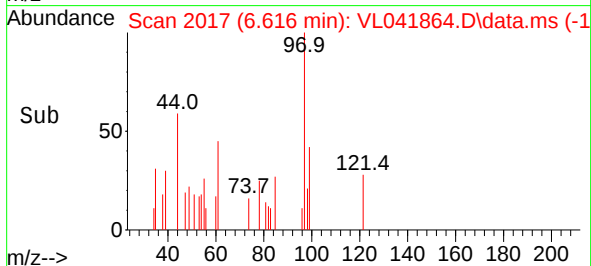
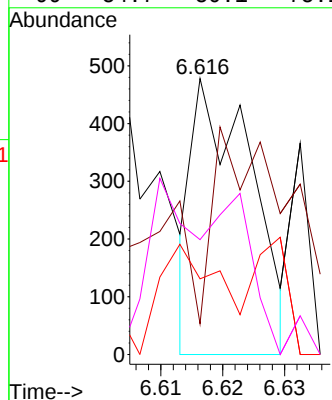
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 43.4 65.2#

99 54.7 50.1 75.1



#48

Dibromochloromethane

Concen: 0.015 ppbv

RT: 7.416 min Scan# 2264

Delta R.T. -0.003 min

Lab File: VL041864.D

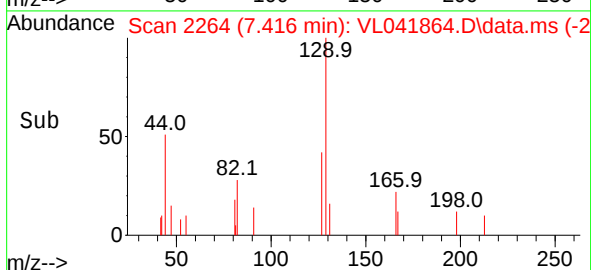
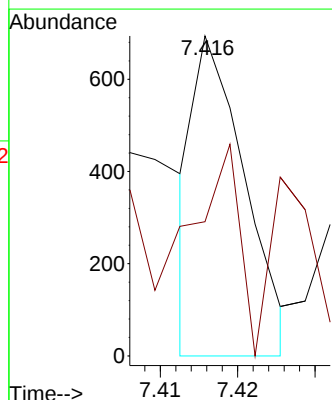
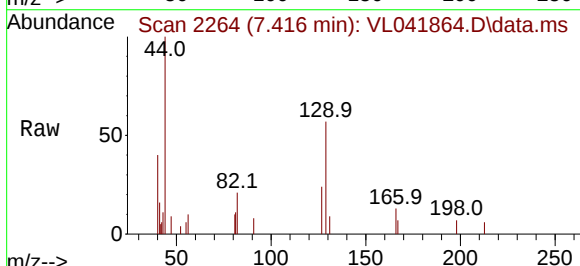
Acq: 09 Jan 2025 13:54

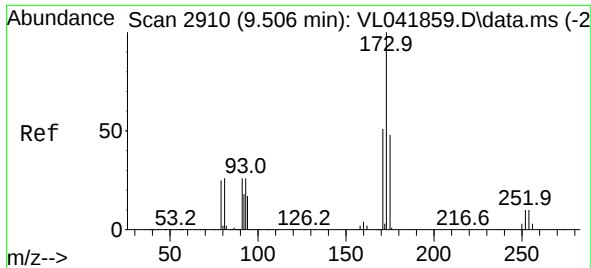
Tgt Ion: 129 Resp: 316

Ion Ratio Lower Upper

129 100

127 161.1 39.4 118.1#

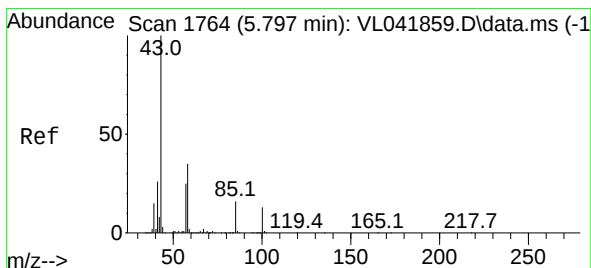
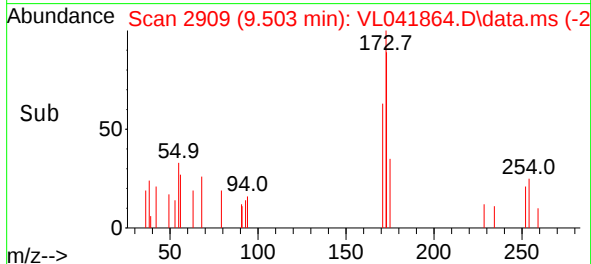
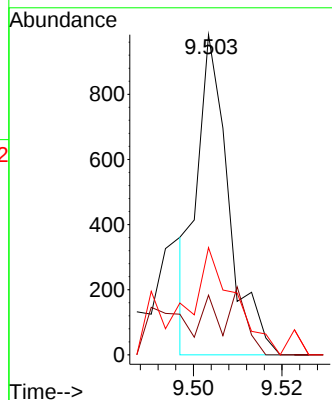
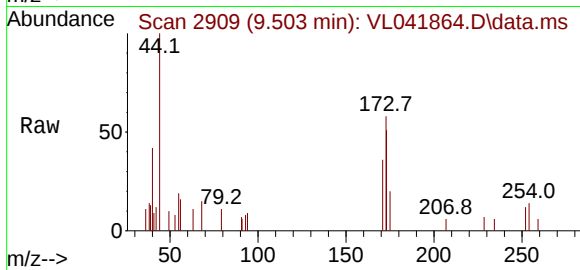




#49
Bromoform
Concen: 0.029 ppbv
RT: 9.503 min Scan# 2910
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

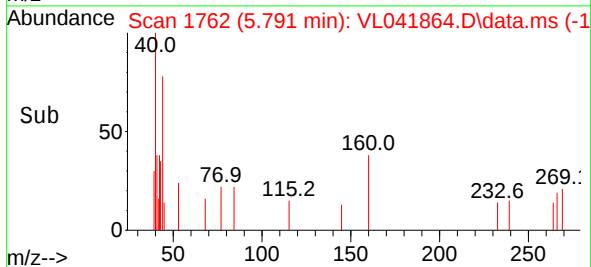
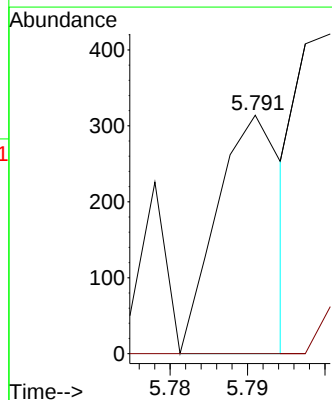
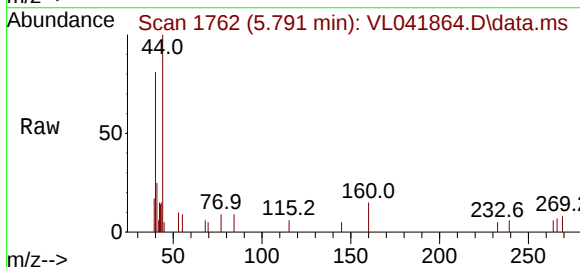
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

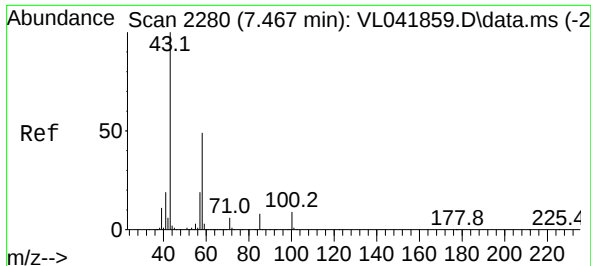
Tgt Ion:173 Resp: 486
Ion Ratio Lower Upper
173 100
175 38.5 38.2 57.2
171 59.5 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 0.005 ppbv
RT: 5.791 min Scan# 1762
Delta R.T. -0.006 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.2#

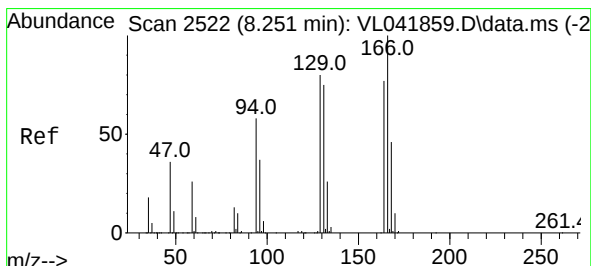
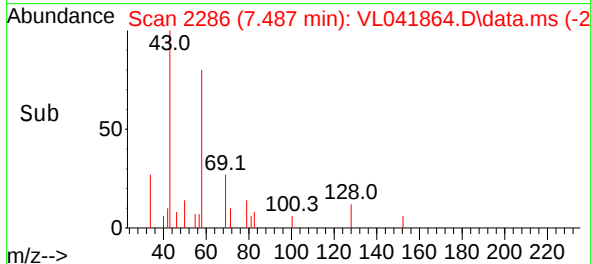
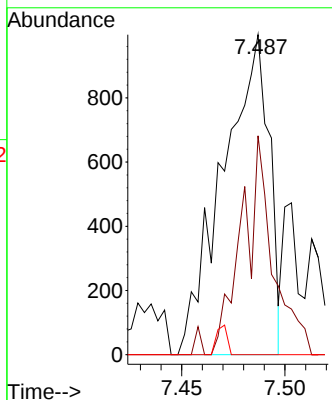
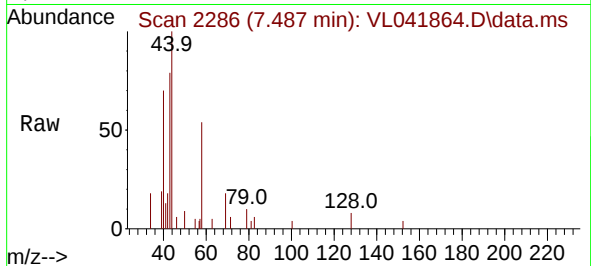




#51
2-Hexanone
Concen: 0.054 ppbv
RT: 7.487 min Scan# 21
Delta R.T. 0.020 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

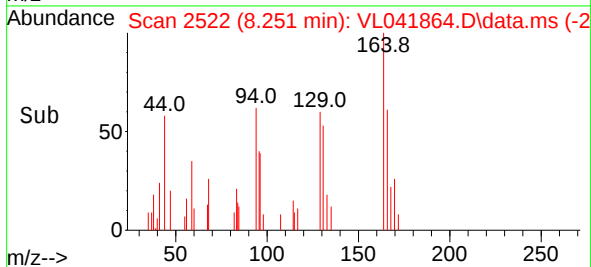
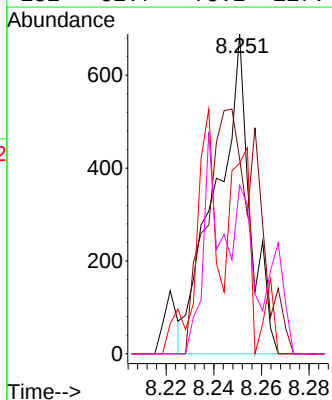
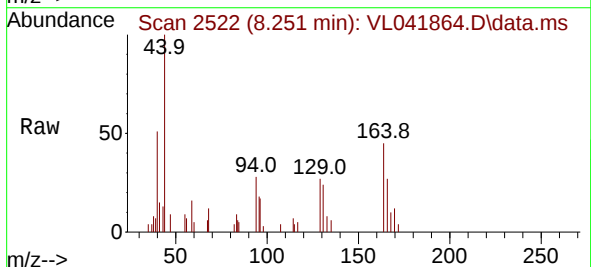
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

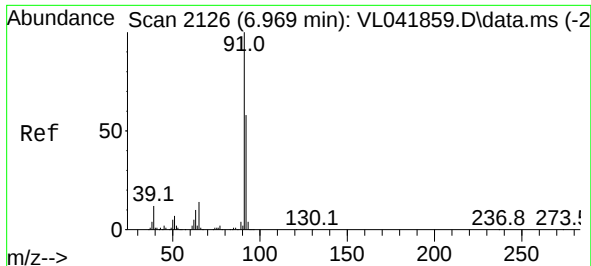
Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
58 46.9 40.0 60.0
98 2.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.058 ppbv
RT: 8.251 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 164 Resp: 686
Ion Ratio Lower Upper
164 100
166 61.0 103.6 155.4#
129 59.7 82.6 123.8#
131 52.7 78.2 117.4#





#53

Toluene

Concen: 0.051 ppbv

RT: 6.959 min Scan# 2126

Delta R.T. -0.009 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

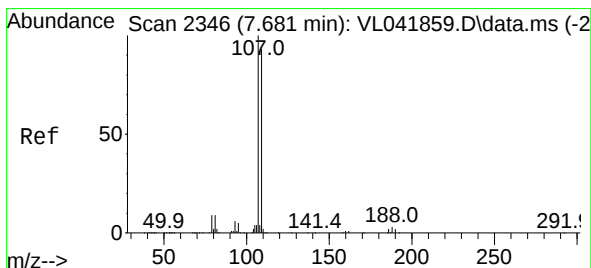
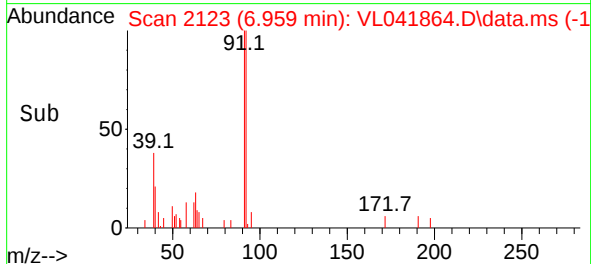
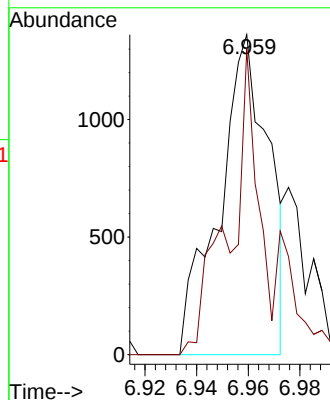
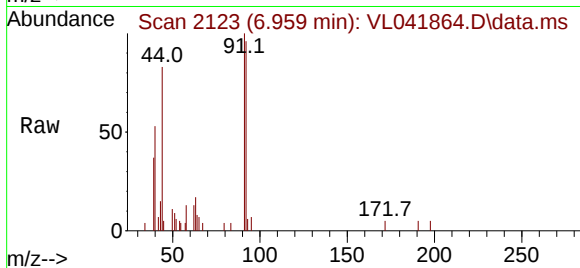
VSTDICC0.03

Tgt Ion: 91 Resp: 1812

Ion Ratio Lower Upper

91 100

92 72.0 47.2 70.8#



#54

1,2-Dibromoethane

Concen: 0.034 ppbv

RT: 7.675 min Scan# 2344

Delta R.T. -0.006 min

Lab File: VL041864.D

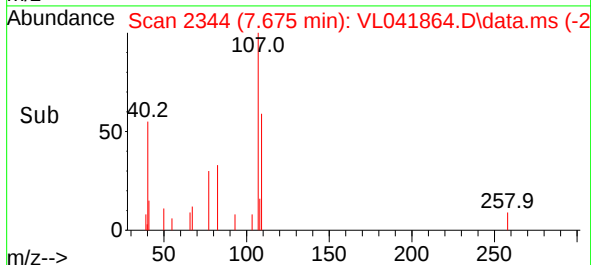
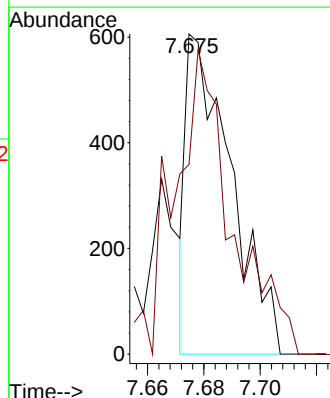
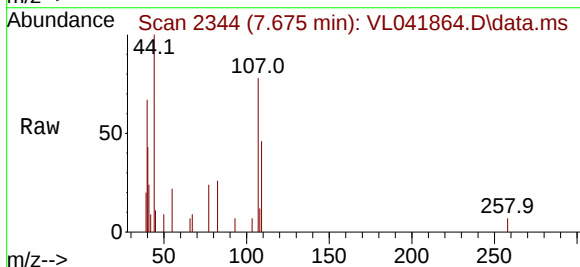
Acq: 09 Jan 2025 13:54

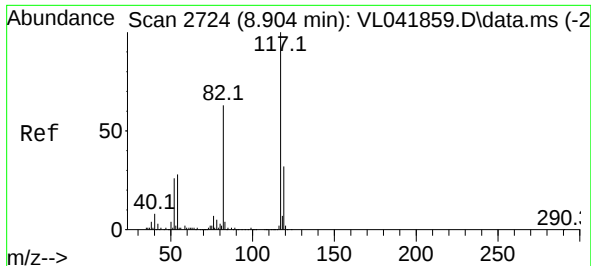
Tgt Ion: 107 Resp: 673

Ion Ratio Lower Upper

107 100

109 44.7 74.6 112.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

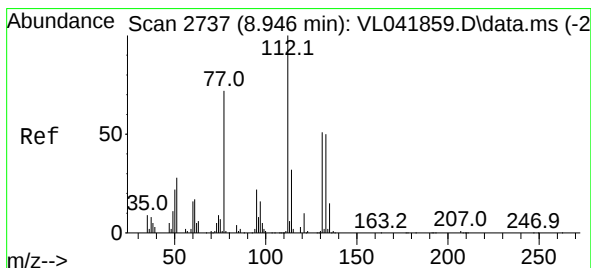
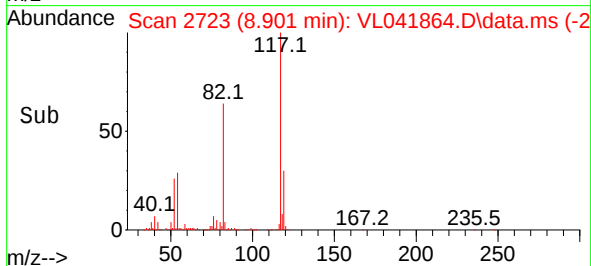
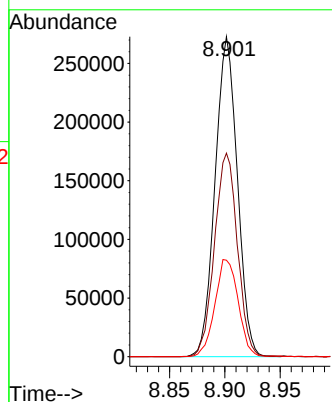
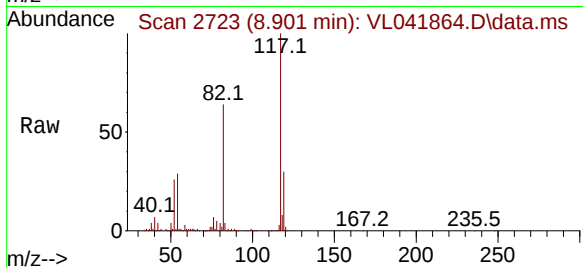
Tgt Ion:117 Resp: 382336

Ion Ratio Lower Upper

117 100

82 65.5 54.5 81.7

119 31.9 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 0.009 ppbv

RT: 8.943 min Scan# 2736

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

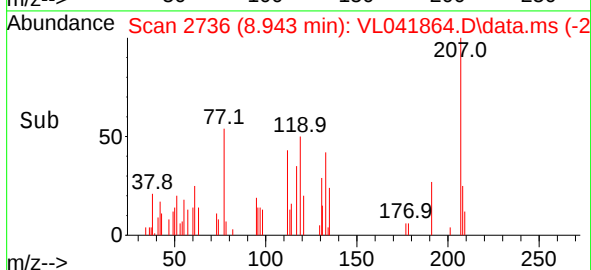
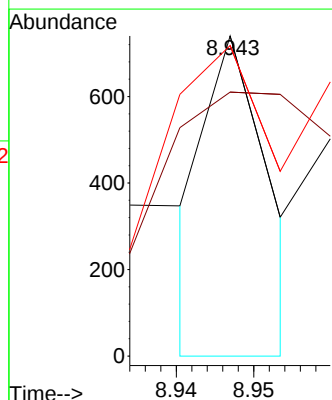
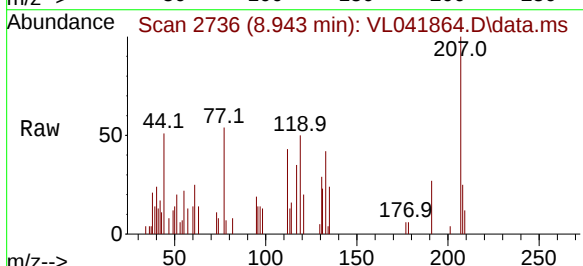
Tgt Ion:131 Resp: 206

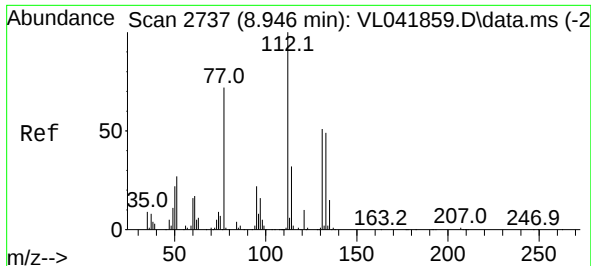
Ion Ratio Lower Upper

131 100

133 0.0 77.4 116.2#

119 0.0 49.4 74.0#





#57

Chlorobenzene

Concen: 0.008 ppbv

RT: 8.940 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

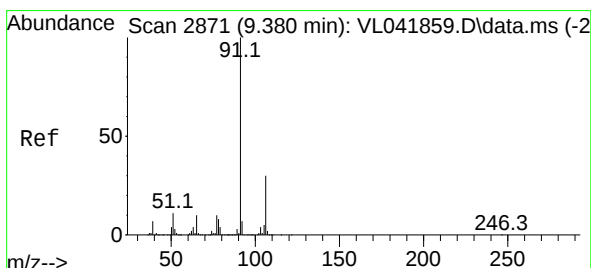
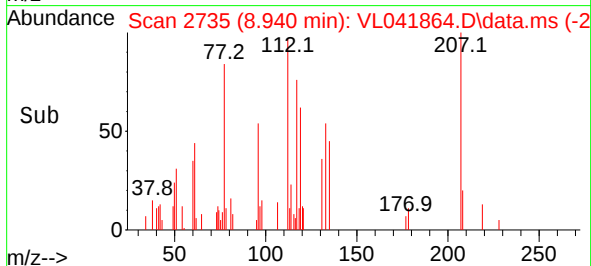
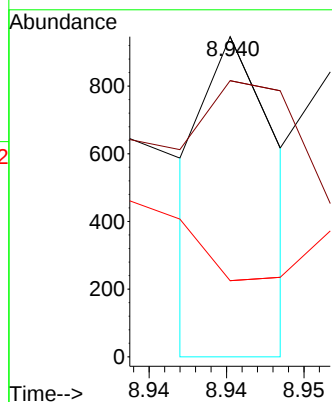
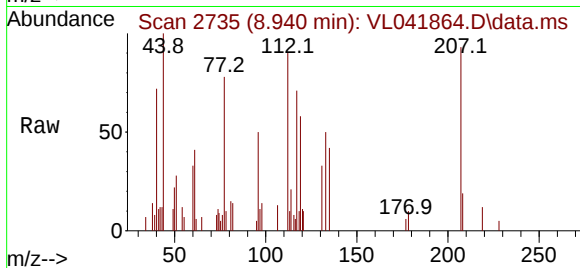
Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

Tgt Ion:112	Resp:	304
Ion Ratio	Lower	Upper
112	100	
77	56.8	58.3 87.5#
114	0.0	28.9 35.3#



#58

Ethyl Benzene

Concen: 0.016 ppbv

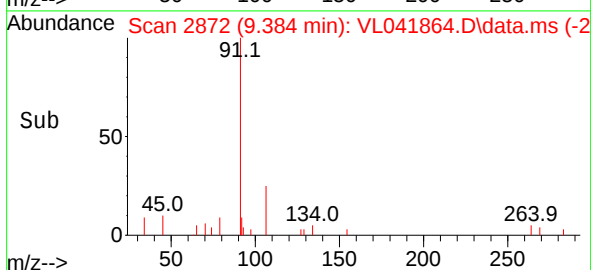
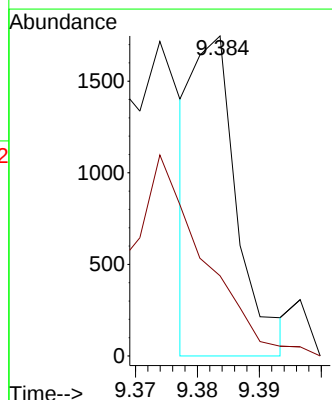
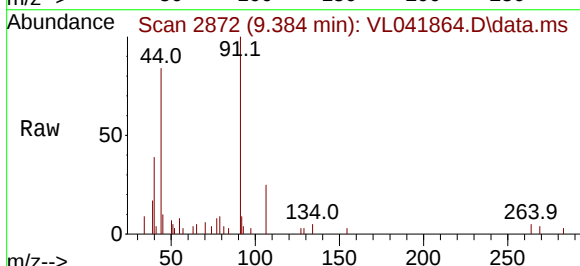
RT: 9.384 min Scan# 2872

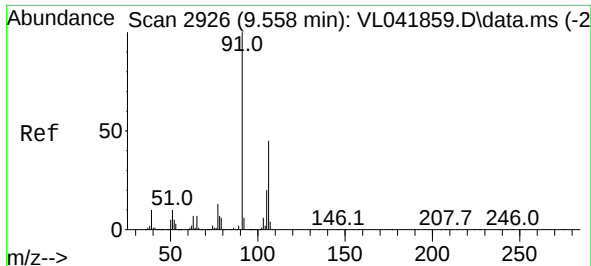
Delta R.T. 0.004 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Tgt Ion: 91	Resp:	858
Ion Ratio	Lower	Upper
91	100	
106	25.0	24.2 36.2

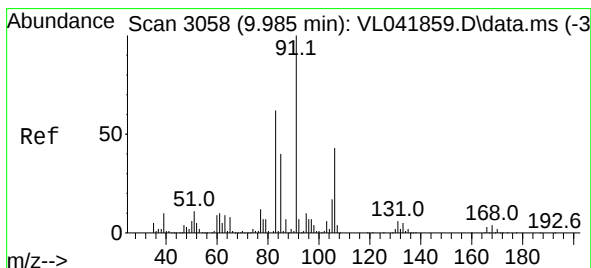
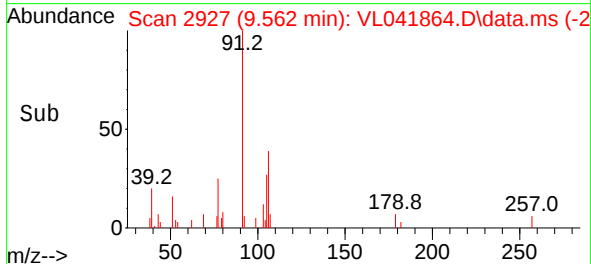
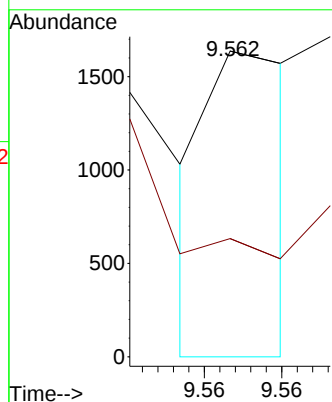
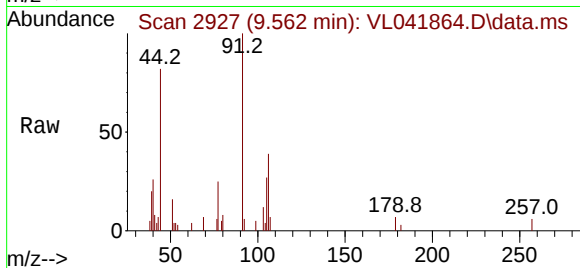




#59
m/p-Xylene
Concen: 0.014 ppbv
RT: 9.562 min Scan# 2926
Delta R.T. 0.004 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

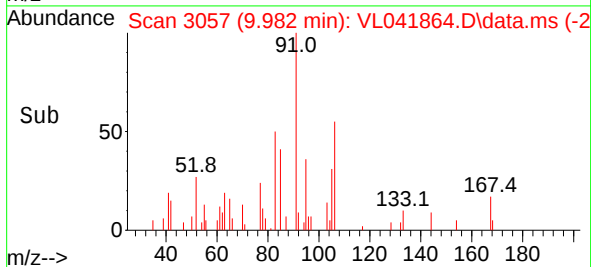
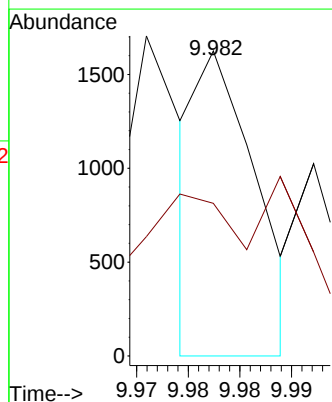
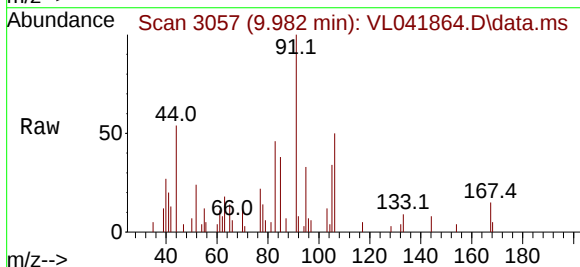
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

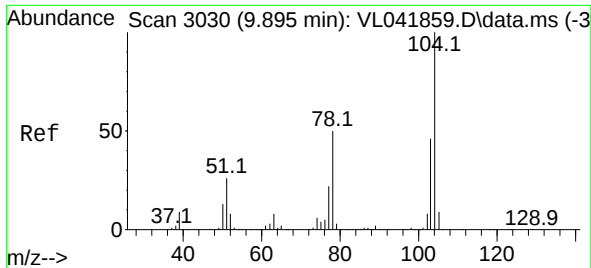
Tgt Ion: 91 Resp: 624
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 0.014 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 91 Resp: 637
Ion Ratio Lower Upper
91 100
106 0.0 21.4 64.3#

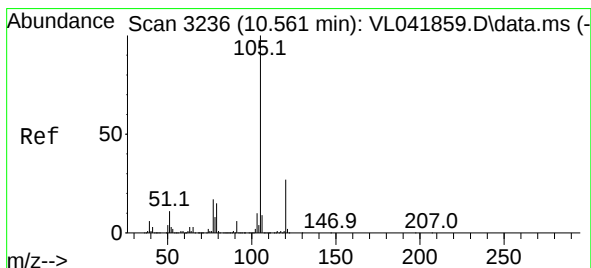
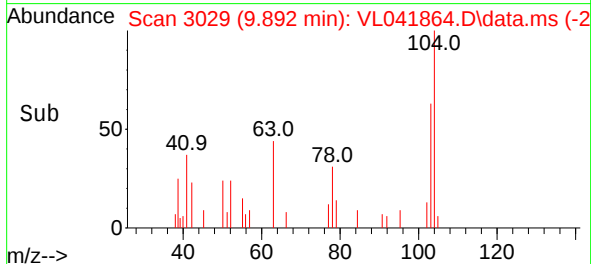
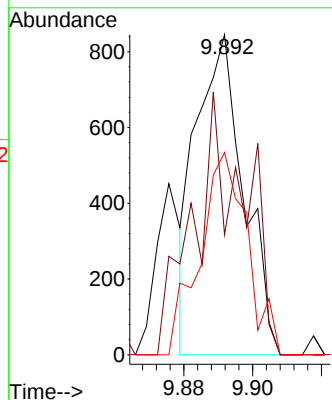
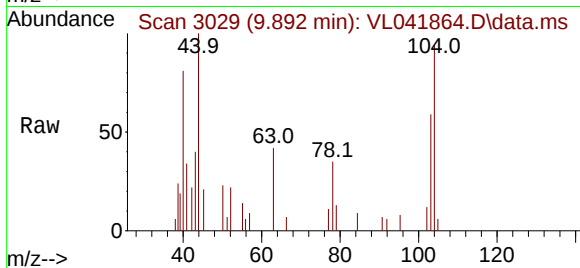




#61
Styrene
Concen: 0.047 ppbv
RT: 9.892 min Scan# 3030
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

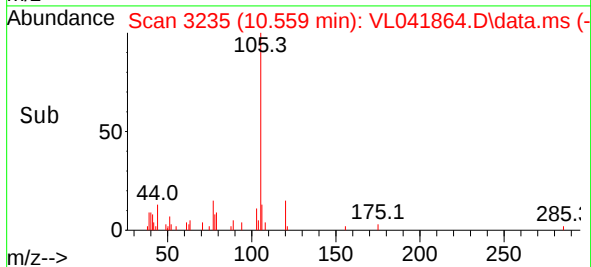
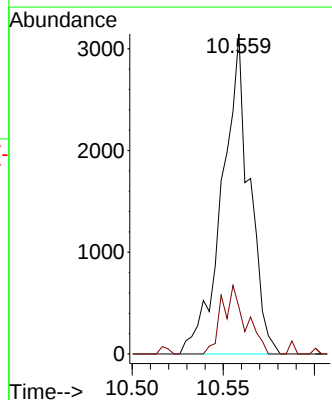
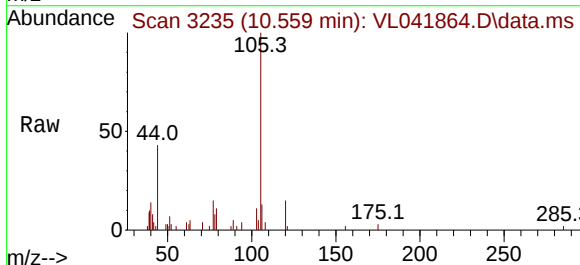
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

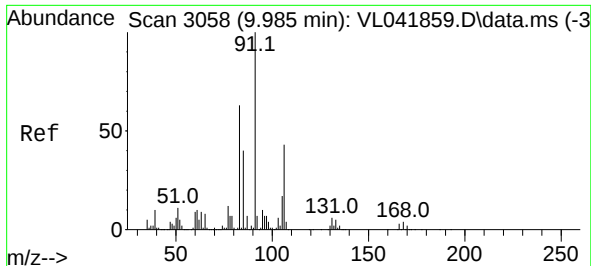
Tgt Ion:104 Resp: 813
Ion Ratio Lower Upper
104 100
78 86.5 40.7 61.1#
103 62.5 37.0 55.6#



#62
Isopropylbenzene
Concen: 0.047 ppbv
RT: 10.559 min Scan# 3235
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion:105 Resp: 3277
Ion Ratio Lower Upper
105 100
120 19.5 20.3 30.5#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.027 ppbv

RT: 9.979 min Scan# 3058

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

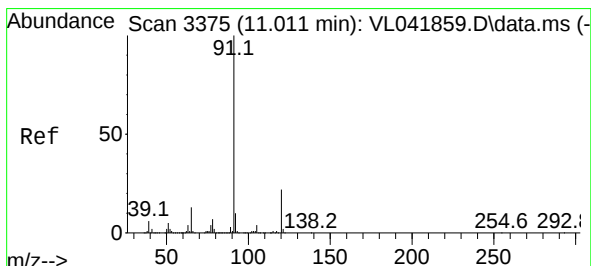
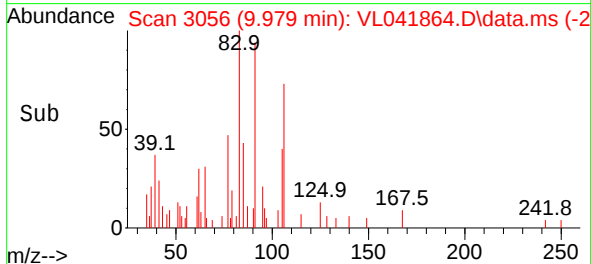
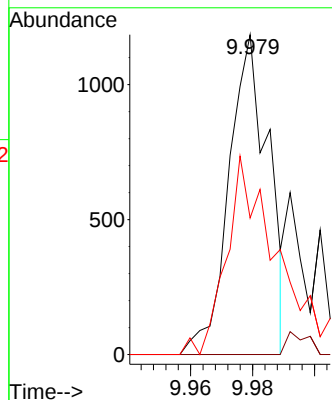
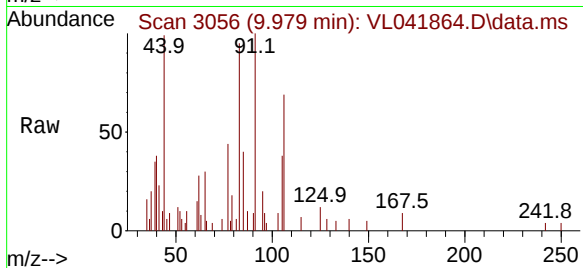
Tgt Ion: 83 Resp: 1052

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 80.2 32.1 96.3



#64

n-propylbenzene

Concen: 0.024 ppbv

RT: 11.002 min Scan# 3372

Delta R.T. -0.009 min

Lab File: VL041864.D

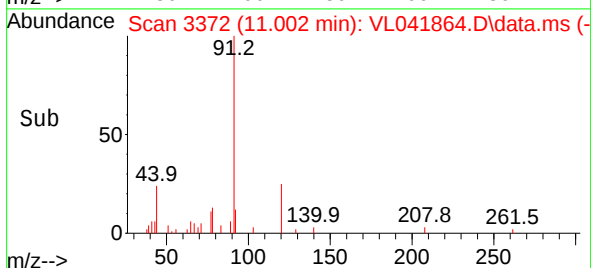
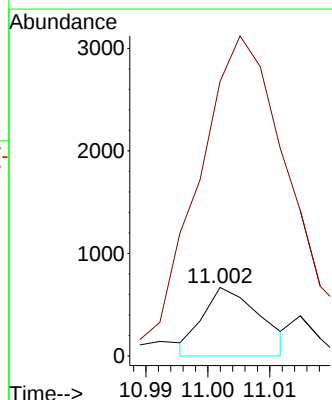
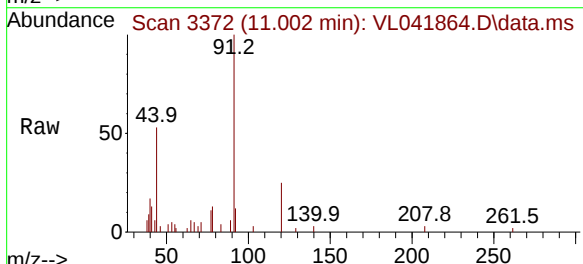
Acq: 09 Jan 2025 13:54

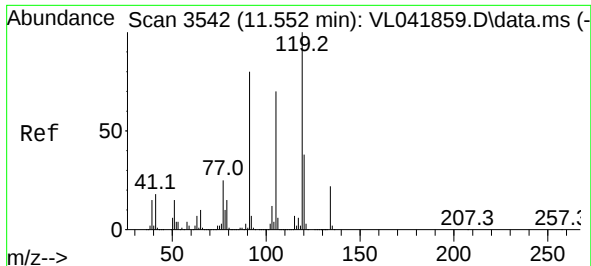
Tgt Ion:120 Resp: 429

Ion Ratio Lower Upper

120 100

91 803.7 376.9 565.3#





#65

tert-Butylbenzene

Concen: 0.050 ppbv

RT: 11.546 min Scan# 3542

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

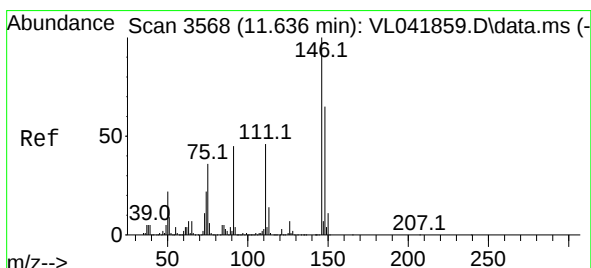
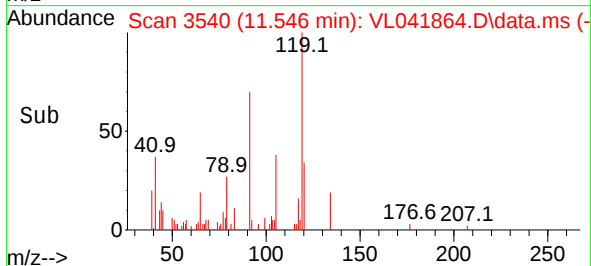
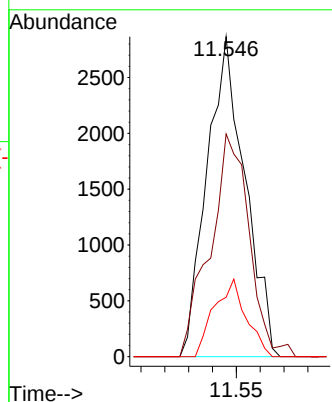
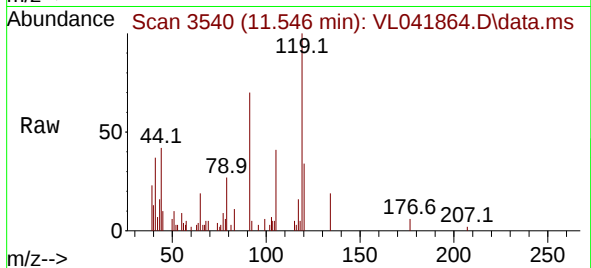
Tgt Ion:119 Resp: 3181

Ion Ratio Lower Upper

119 100

91 71.5 64.6 97.0

134 20.3 16.9 25.3



#66

Benzyl Chloride

Concen: 0.016 ppbv

RT: 11.636 min Scan# 3568

Delta R.T. 0.000 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

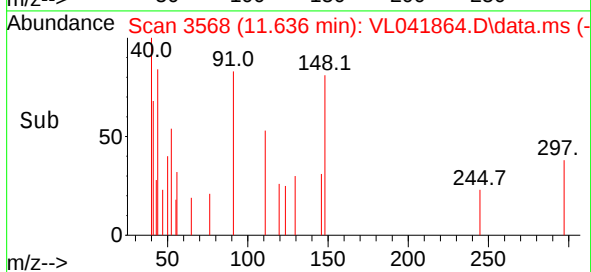
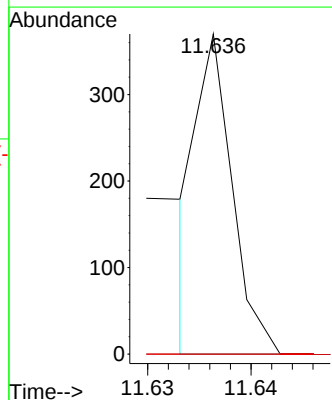
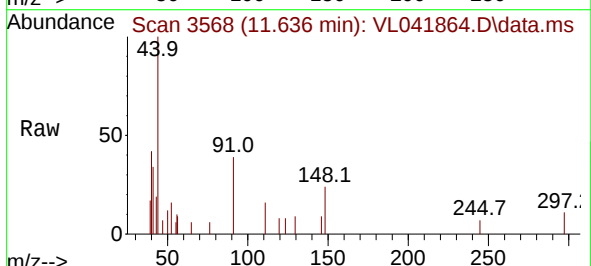
Tgt Ion: 91 Resp: 84

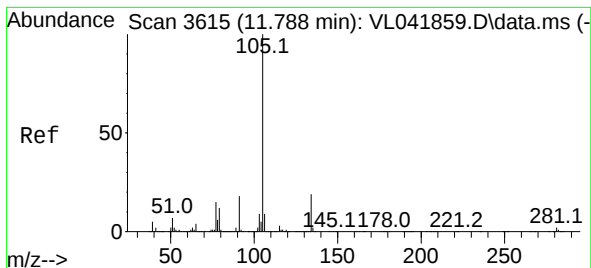
Ion Ratio Lower Upper

91 100

126 0.0 13.9 20.9#

128 0.0 4.8 7.2#





#67

sec-Butylbenzene

Concen: 0.044 ppbv

RT: 11.785 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

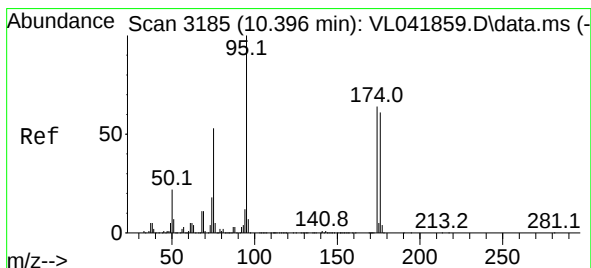
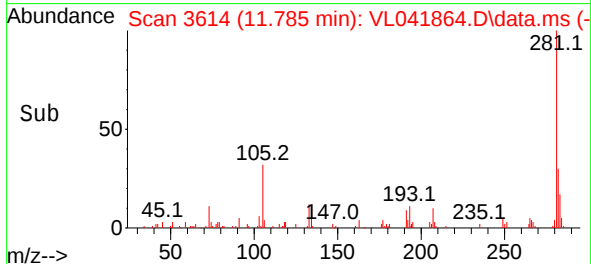
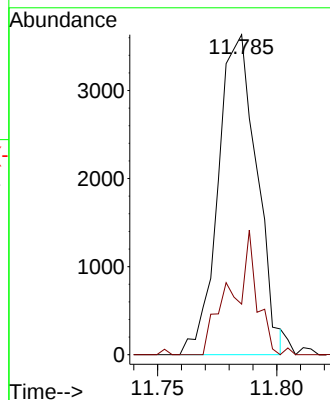
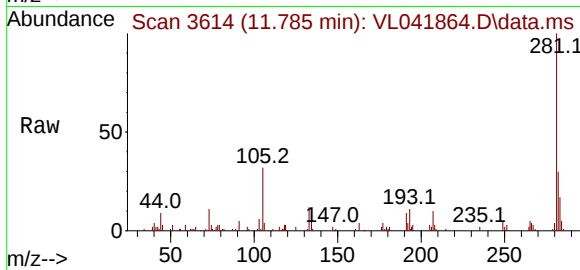
VSTDIC0.03

Tgt Ion:105 Resp: 4095

Ion Ratio Lower Upper

105 100

134 26.2 15.4 23.2#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.408 ppbv

RT: 10.393 min Scan# 3184

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

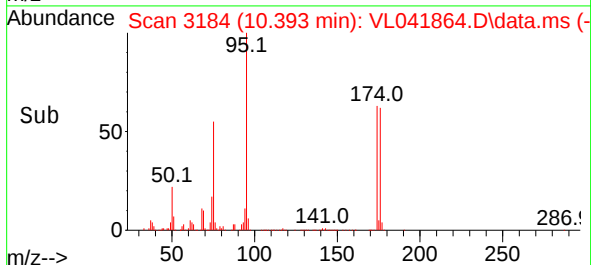
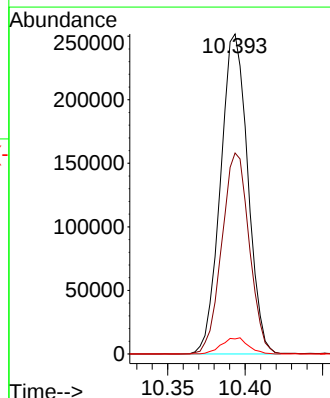
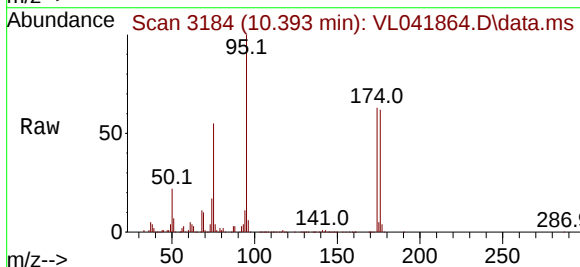
Tgt Ion: 95 Resp: 308087

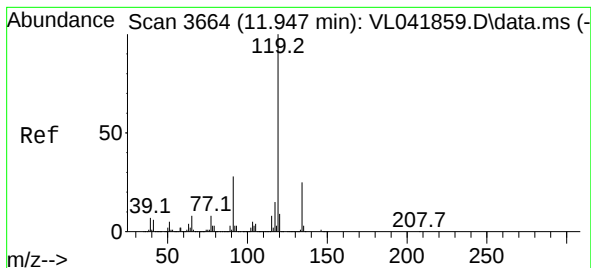
Ion Ratio Lower Upper

95 100

174 63.3 51.1 76.7

175 5.0 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.047 ppbv

RT: 11.941 min Scan# 3

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

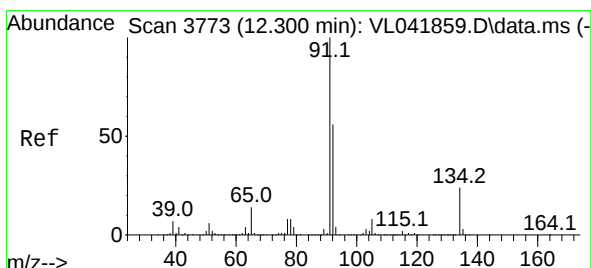
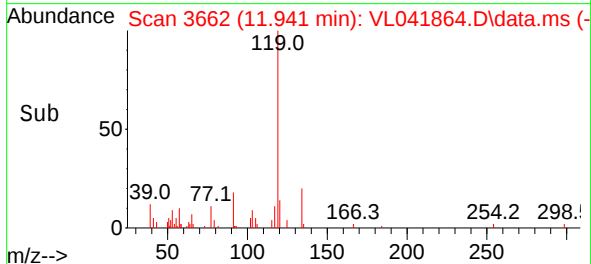
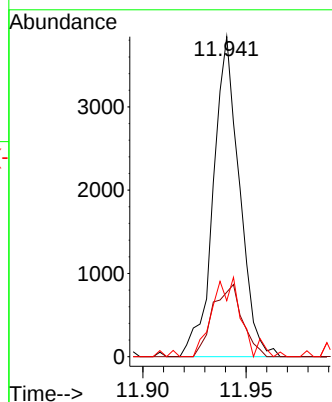
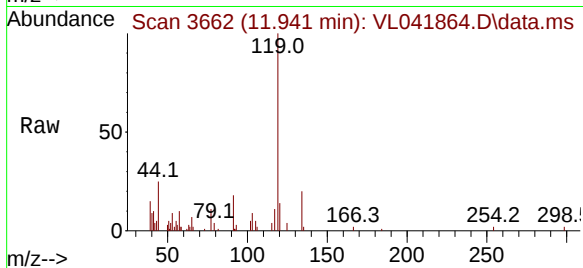
Tgt Ion:119 Resp: 3385

Ion Ratio Lower Upper

119 100

134 25.4 20.3 30.5

91 28.4 22.6 34.0



#70

n-Butylbenzene

Concen: 0.045 ppbv

RT: 12.297 min Scan# 3772

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

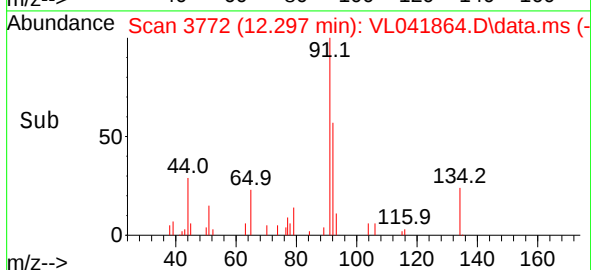
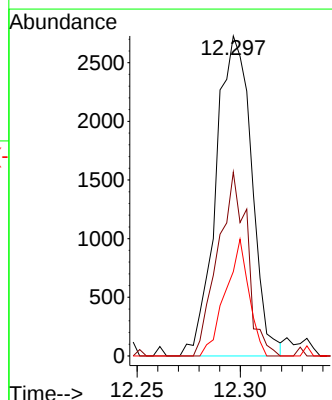
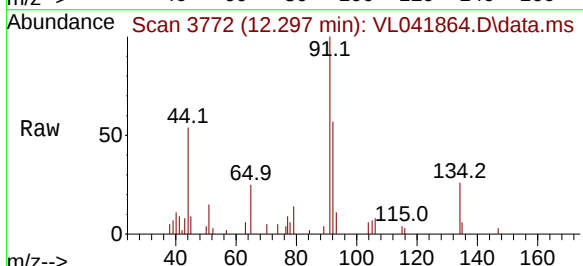
Tgt Ion: 91 Resp: 3278

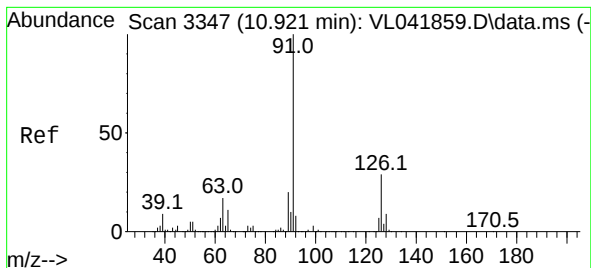
Ion Ratio Lower Upper

91 100

92 47.7 43.8 65.8

134 24.0 19.3 28.9

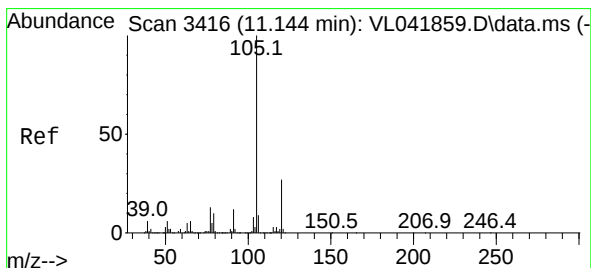
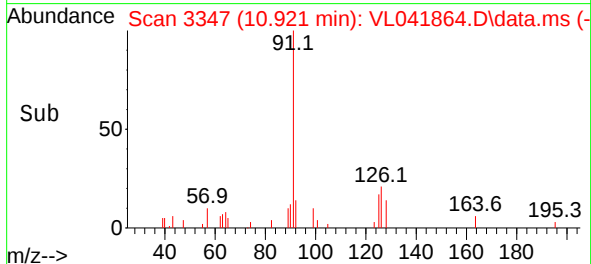
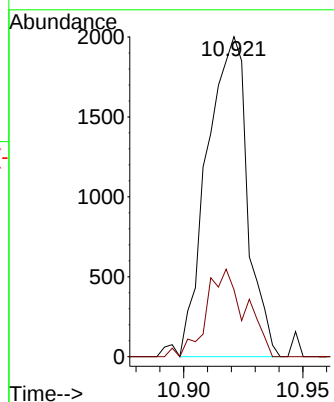
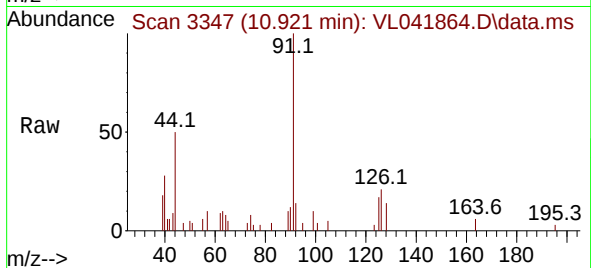




#71
2-Chlorotoluene
Concen: 0.046 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

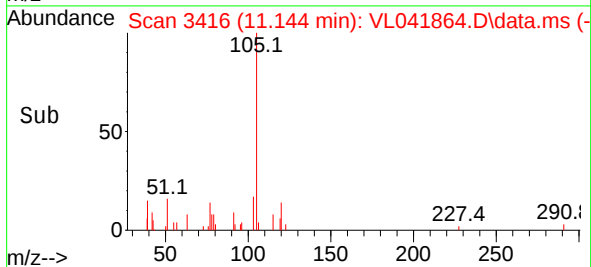
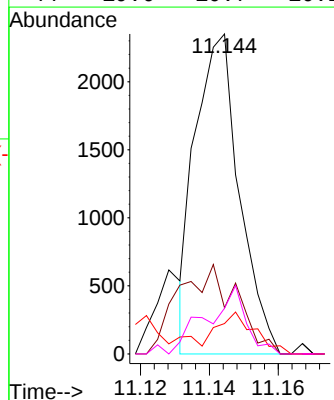
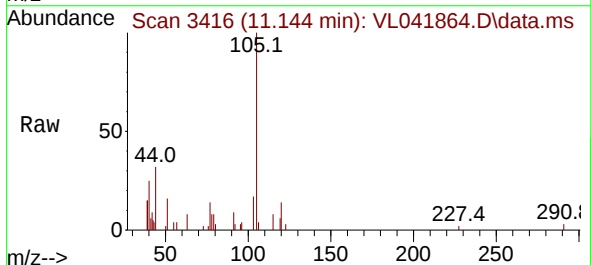
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

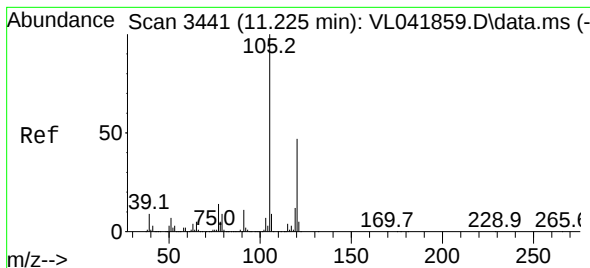
Tgt Ion: 91 Resp: 2364
Ion Ratio Lower Upper
91 100
126 26.6 11.6 46.6



#72
4-Ethyltoluene
Concen: 0.039 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 105 Resp: 2091
Ion Ratio Lower Upper
105 100
120 38.4 23.5 35.3#
91 20.8 9.8 14.8#
77 19.6 10.7 16.1#





#73

1,3,5-Trimethylbenzene

Concen: 0.046 ppbv

RT: 11.219 min Scan# 3441

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

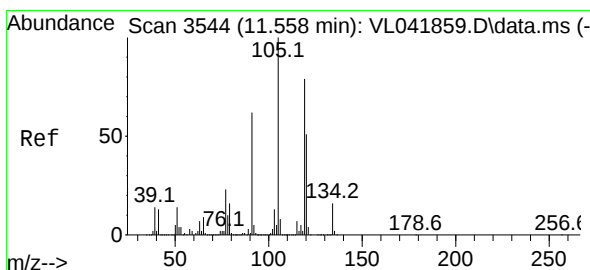
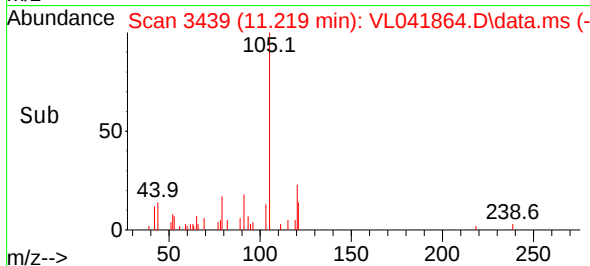
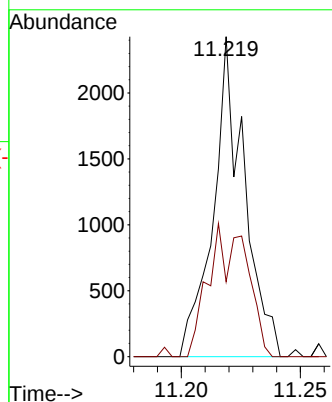
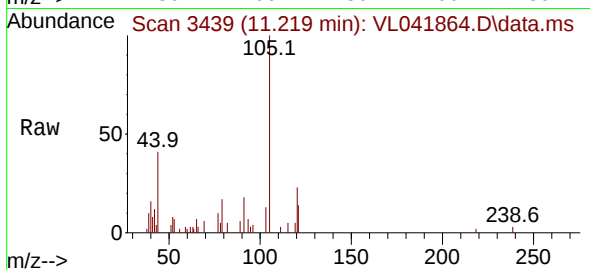
VSTDIC0.03

Tgt Ion:105 Resp: 2195

Ion Ratio Lower Upper

105 100

120 37.0 37.2 55.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.047 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Tgt Ion:105 Resp: 2560

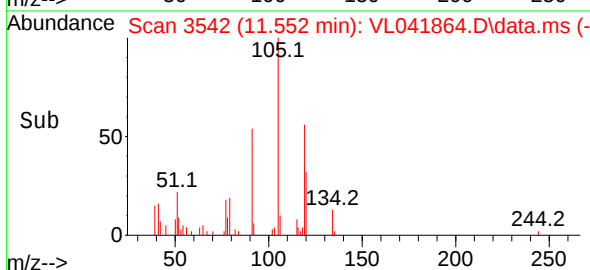
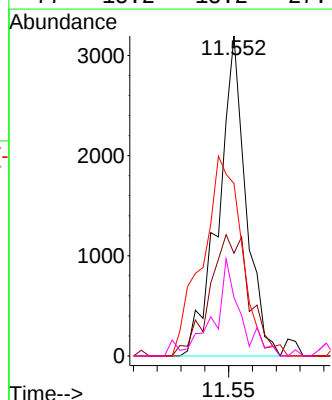
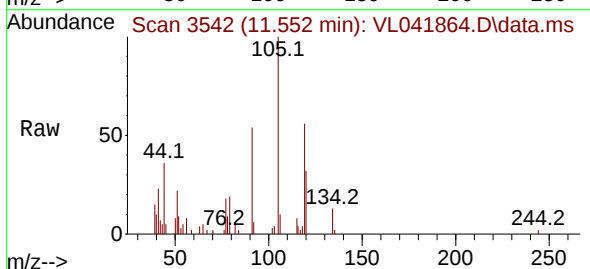
Ion Ratio Lower Upper

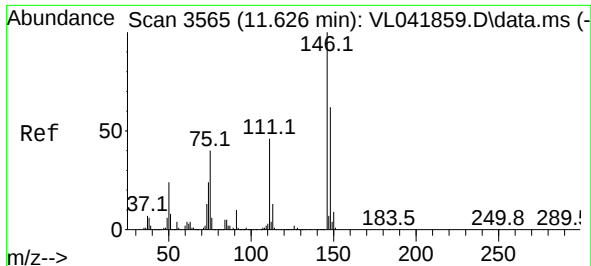
105 100

120 32.1 41.1 61.7#

91 50.4 50.0 75.0

77 18.2 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 0.041 ppbv

RT: 11.627 min Scan# 3565

Delta R.T. 0.000 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

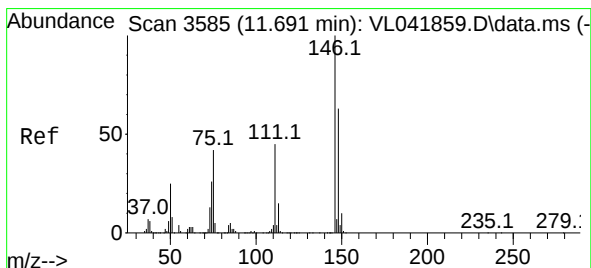
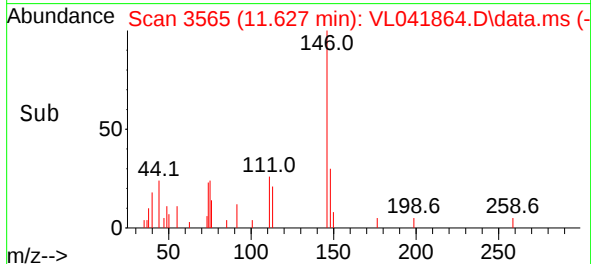
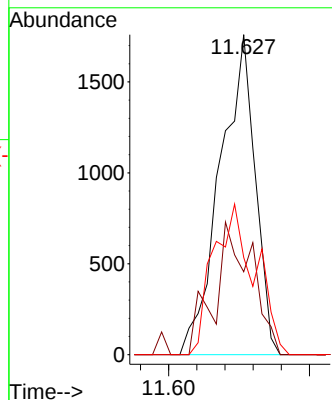
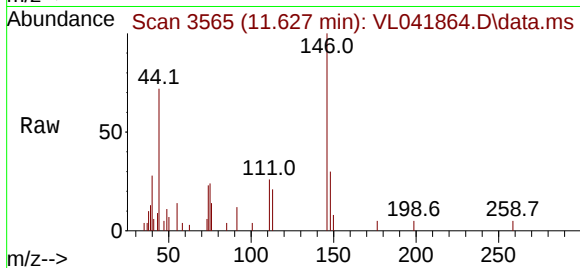
Tgt Ion:146 Resp: 1521

Ion Ratio Lower Upper

146 100

111 46.4 23.2 69.5

148 56.1 31.6 94.7



#76

1,4-Dichlorobenzene

Concen: 0.045 ppbv

RT: 11.685 min Scan# 3583

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

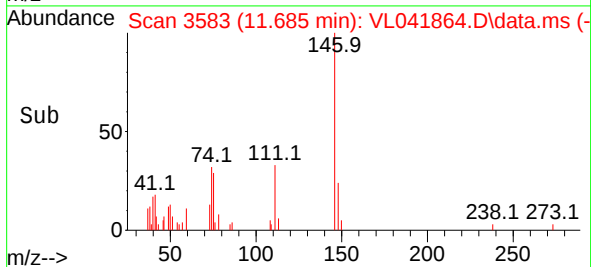
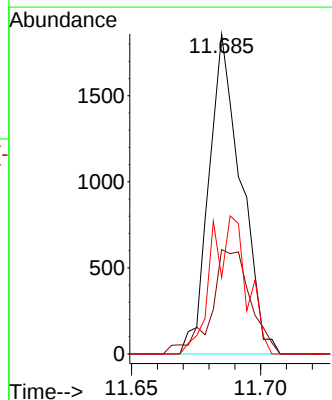
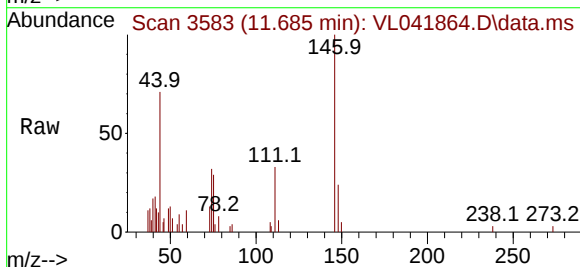
Tgt Ion:146 Resp: 1603

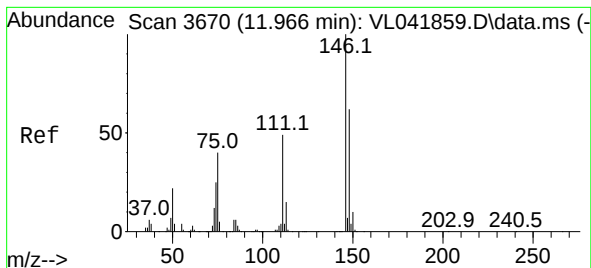
Ion Ratio Lower Upper

146 100

111 39.9 22.1 66.1

148 47.6 31.2 93.6





#77

1,2-Dichlorobenzene

Concen: 0.037 ppbv

RT: 11.960 min Scan# 3

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

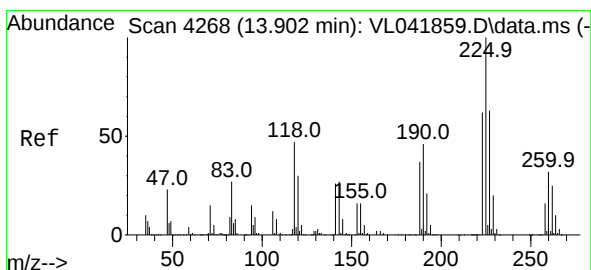
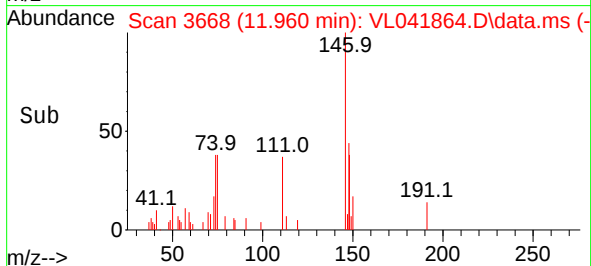
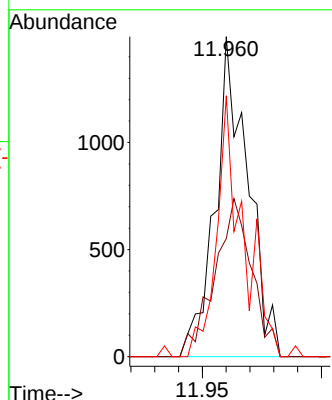
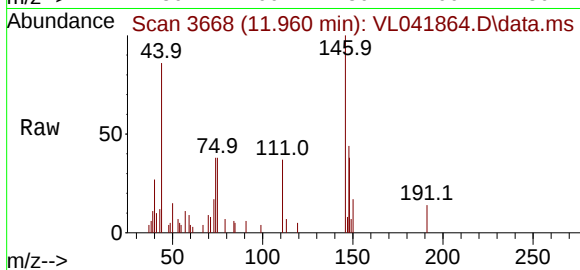
Tgt Ion:146 Resp: 1421

Ion Ratio Lower Upper

146 100

111 56.0 24.1 72.3

148 68.0 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 0.050 ppbv

RT: 13.892 min Scan# 4265

Delta R.T. -0.009 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

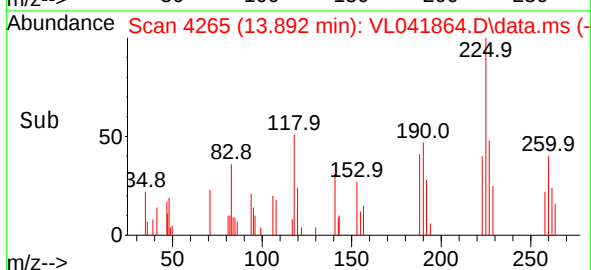
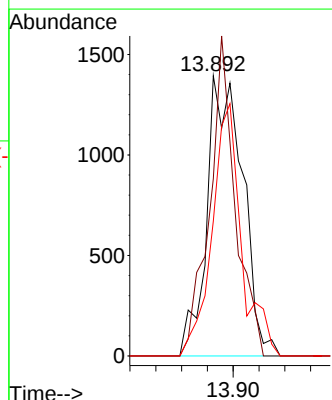
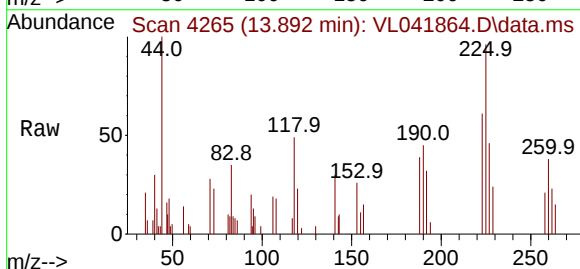
Tgt Ion:225 Resp: 1347

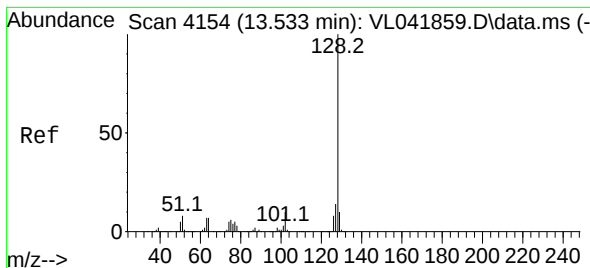
Ion Ratio Lower Upper

225 100

223 81.8 50.6 75.8#

227 73.7 50.9 76.3





#79

Naphthalene

Concen: 0.080 ppbv

RT: 13.527 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

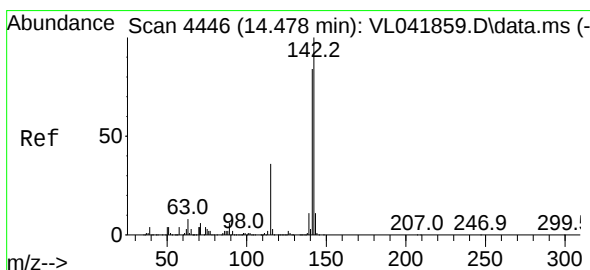
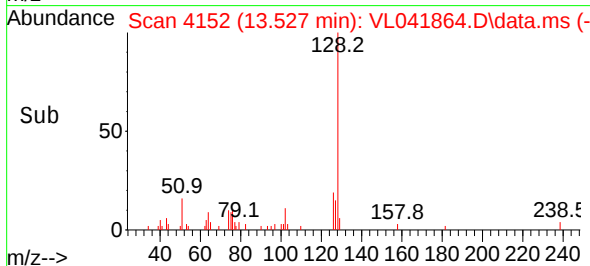
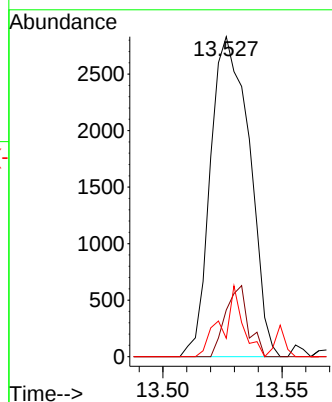
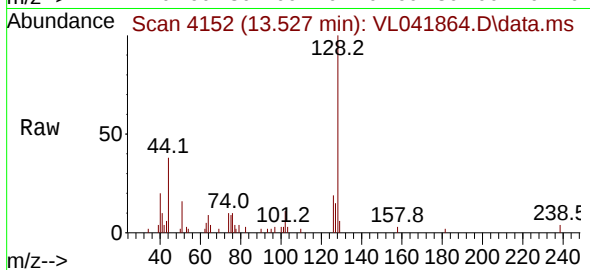
Tgt Ion:128 Resp: 3217

Ion Ratio Lower Upper

128 100

127 14.6 10.8 16.2

129 5.8 8.2 12.4#



#80

Naphthalene,2-methyl-

Concen: 0.114 ppbv

RT: 14.478 min Scan# 4446

Delta R.T. 0.000 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

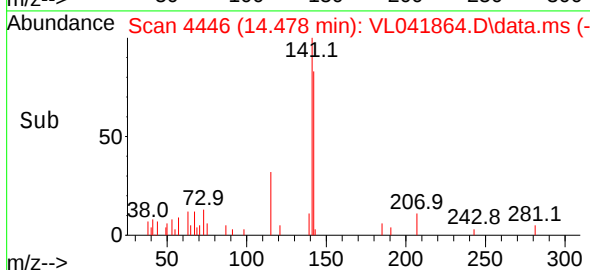
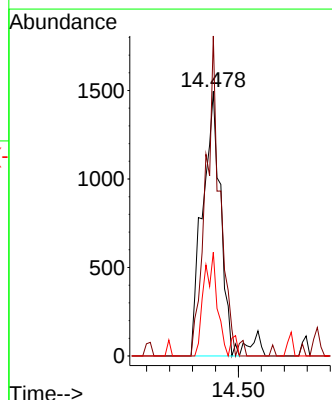
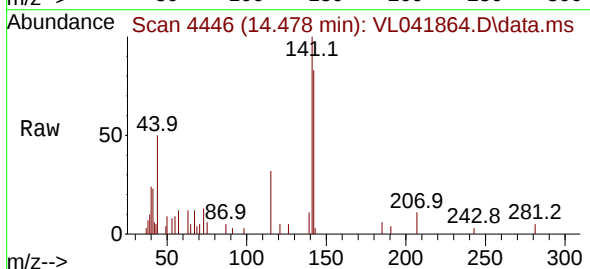
Tgt Ion:142 Resp: 1700

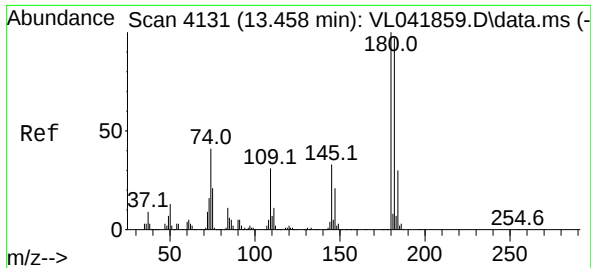
Ion Ratio Lower Upper

142 100

141 92.6 68.2 102.4

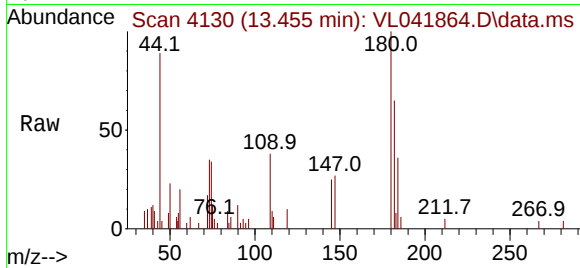
115 31.1 29.4 44.2





#81
 1,2,4-Trichlorobenzene
 Concen: 0.074 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03



Tgt Ion:180 Resp: 1653
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.8 113.8
 184 35.8 24.1 36.1

