

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042469.D
 Acq On : 05 May 2025 08:29
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: May 06 01:38:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	74861	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	207859	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	180939	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	171319	10.212	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	125145	10.102	ppbv	99
3) Chlorodifluoromethane	1.476	51	122899	9.383	ppbv	99
4) Chloromethane	1.534	50	49599	9.579	ppbv	92
5) Vinyl Chloride	1.580	62	46672	8.953	ppbv	98
6) Bromomethane	1.667	94	26234	10.651	ppbv	92
7) Chloroethane	1.706	64	19310	10.032	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	104312	10.214	ppbv	99
9) Propene	1.486	41	39686	9.264	ppbv	98
10) Heptane	4.985	43	109506	9.854	ppbv	99
11) Trichlorofluoromethane	1.878	101	117806	10.305	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	92903	10.178	ppbv	99
13) Ethanol	1.722	45	6032	6.938	ppbv	97
14) Bromoethene	1.784	108	33877	10.053	ppbv	99
15) Acetone	1.835	43	110962	8.120	ppbv	99
16) 1,3-Butadiene	1.609	39	56863	9.434	ppbv	99
17) tert-Butyl alcohol	2.043	59	124285	10.323	ppbv	100
18) 1,1-Dichloroethene	2.036	96	42276	9.919	ppbv	96
19) Isopropyl Alcohol	1.887	45	73049	9.658	ppbv	99
20) Methylene Chloride	2.062	84	36341	8.845	ppbv	96
21) Allyl Chloride	2.098	41	87203	9.922	ppbv	98
22) trans-1,2-Dichloroethene	2.340	96	47159	9.474	ppbv	92
23) Vinyl Acetate	2.463	43	134402	10.305	ppbv	98
24) 1,1-Dichloroethane	2.412	63	97677	9.619	ppbv	100
25) Ethyl Acetate	2.839	43	212175	9.697	ppbv	100
26) Hexane	2.826	57	95290	9.996	ppbv	95
27) Carbon Disulfide	2.153	76	120890	10.867	ppbv #	92
28) Methyl tert-Butyl Ether	2.444	73	54017	9.432	ppbv	96
29) Chloroform	2.852	83	173954	9.738	ppbv	97
30) Cyclohexane	3.858	84	78668	9.871	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	107420	9.659	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	184899	9.540	ppbv	99
34) 2-Butanone	2.560	43	134813	8.967	ppbv	93
35) Carbon Tetrachloride	3.765	117	191095	10.120	ppbv	97
36) Benzene	3.661	78	192975	9.838	ppbv	96
37) 1,2-Dichloroethane	3.221	62	146792	9.710	ppbv	99
38) Trichloroethene	4.554	130	76779	10.264	ppbv	89
39) 1,2-Dichloropropane	4.318	63	67421	9.181	ppbv	93
40) 1,4-Dioxane	4.590	88	29648	8.622	ppbv #	100
41) Tetrahydrofuran	3.059	42	66188	9.263	ppbv	97
42) Bromodichloromethane	4.496	83	191130	10.347	ppbv	98
43) Methyl Methacrylate	4.881	69	76368	10.433	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	312811	9.838	ppbv	100
45) t-1,3-Dichloropropene	6.422	75	105437	10.980	ppbv	93

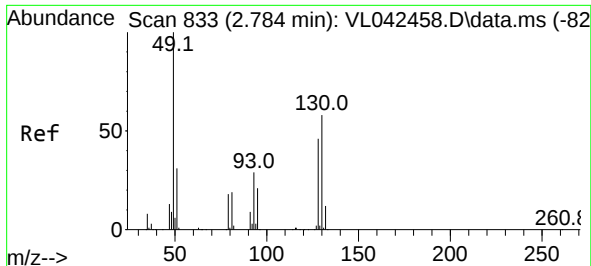
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050525\
 Data File : VL042469.D
 Acq On : 05 May 2025 08:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 06 01:38:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	117796	10.321	ppbv	96
47) 1,1,2-Trichloroethane	6.590	97	77722	9.651	ppbv	90
48) Dibromochloromethane	7.393	129	143524	10.556	ppbv	97
49) Bromoform	9.490	173	118610	10.402	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	183038	9.625	ppbv	98
51) 2-Hexanone	7.445	43	147526	9.703	ppbv #	97
52) Tetrachloroethene	8.231	164	67482	9.038	ppbv	95
53) Toluene	6.940	91	220871	10.638	ppbv	98
54) 1,2-Dibromoethane	7.658	107	119914	9.739	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.930	131	106249	9.942	ppbv	99
57) Chlorobenzene	8.927	112	168792	9.284	ppbv	96
58) Ethyl Benzene	9.361	91	317094	10.487	ppbv	100
59) m/p-Xylene	9.535	91	265713	10.482	ppbv #	33
60) o-Xylene	9.969	91	267806	10.552	ppbv	100
61) Styrene	9.879	104	105698	11.160	ppbv	97
62) Isopropylbenzene	10.545	105	385788	10.538	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	159883	9.137	ppbv	99
64) n-propylbenzene	10.992	120	93317	10.429	ppbv	98
65) tert-Butylbenzene	11.536	119	349071	10.684	ppbv	99
66) Benzyl Chloride	11.620	91	50060	13.257	ppbv	96
67) sec-Butylbenzene	11.772	105	490679	10.568	ppbv	99
69) p-Isopropyltoluene	11.931	119	417116	10.663	ppbv	99
70) n-Butylbenzene	12.287	91	427083	10.561	ppbv	99
71) 2-Chlorotoluene	10.905	91	301623	10.504	ppbv	98
72) 4-Ethyltoluene	11.128	105	326323	10.905	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	283998	10.791	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	320216	10.056	ppbv	94
75) 1,3-Dichlorobenzene	11.610	146	171827	9.693	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	177262	10.566	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	167623	9.660	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	154431	8.913	ppbv	100
79) Naphthalene	13.517	128	294069	10.970	ppbv	98
80) Naphthalene,2-methyl-	14.462	142	236563	11.873	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	151252	10.580	ppbv	99

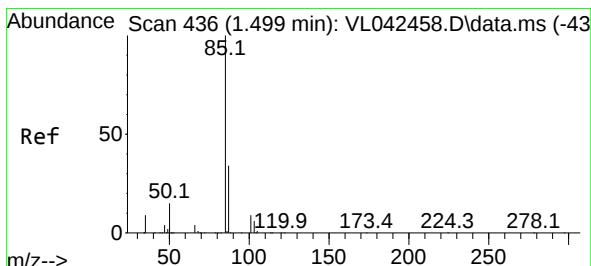
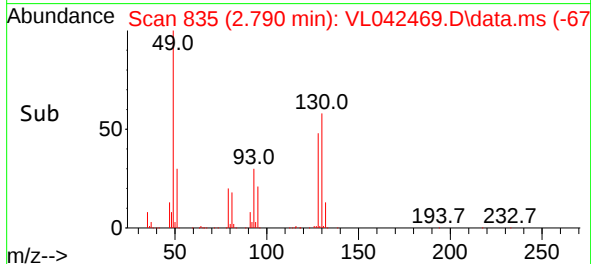
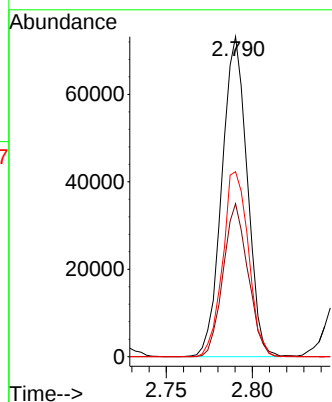
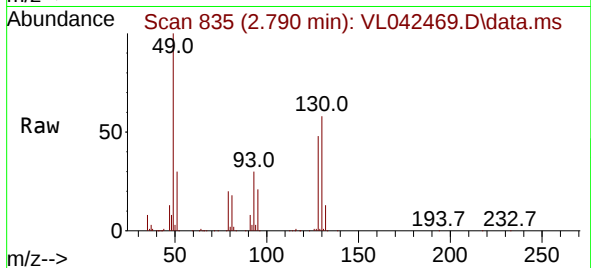
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

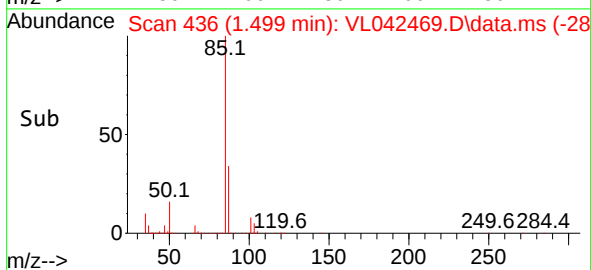
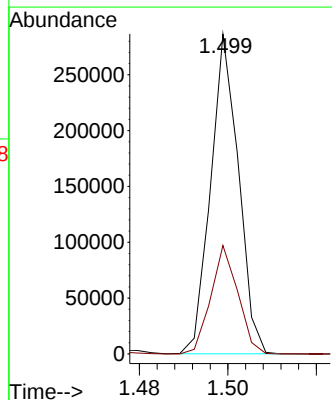
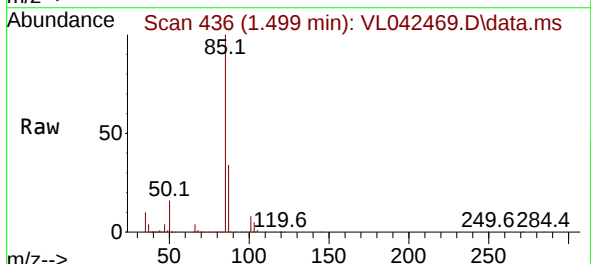
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MSVOA_1
ClientSampleId :
VSTDCCC010

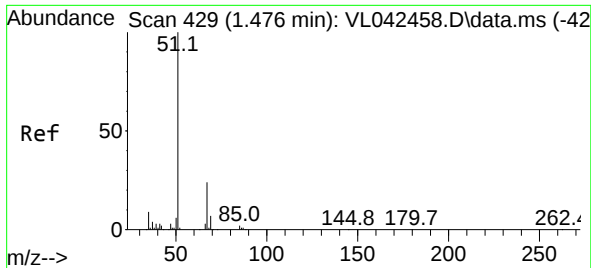
Tgt Ion: 49 Resp: 74861
Ion Ratio Lower Upper
49 100
128 46.8 23.3 69.9
130 58.9 29.5 88.6



#2
Dichlorodifluoromethane
Concen: 10.102 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion: 85 Resp: 125145
Ion Ratio Lower Upper
85 100
87 33.9 26.9 40.3

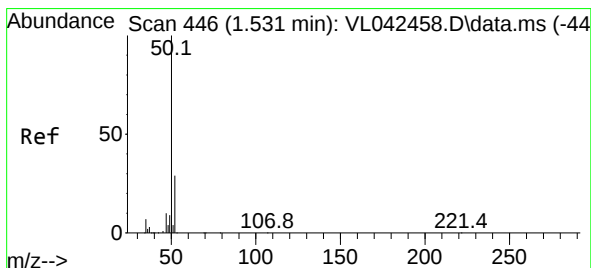
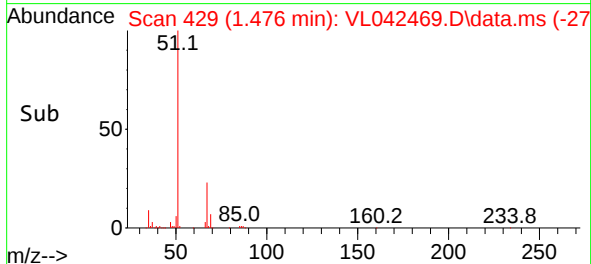
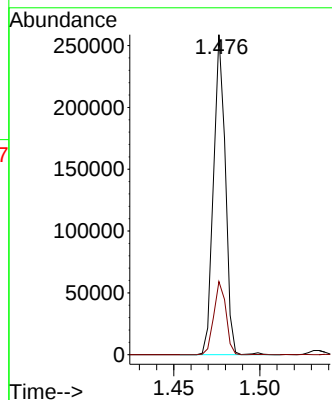
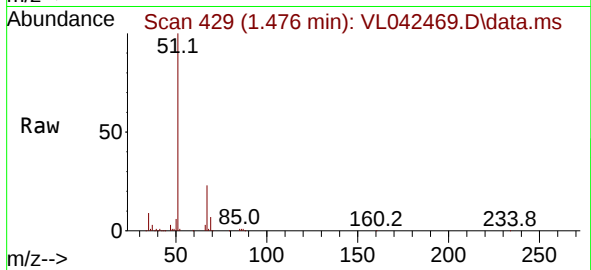




#3
Chlorodifluoromethane
Concen: 9.383 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

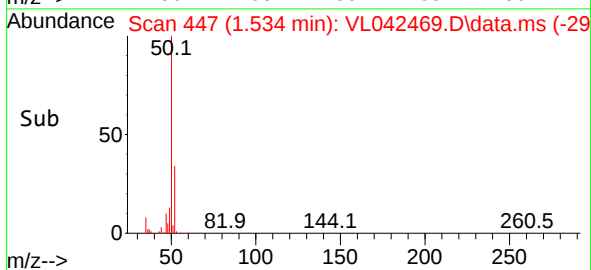
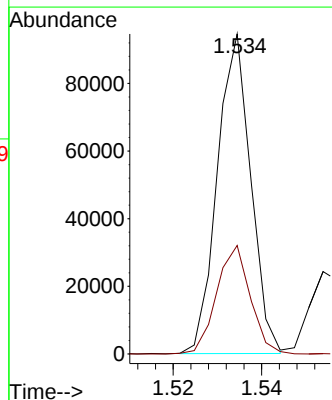
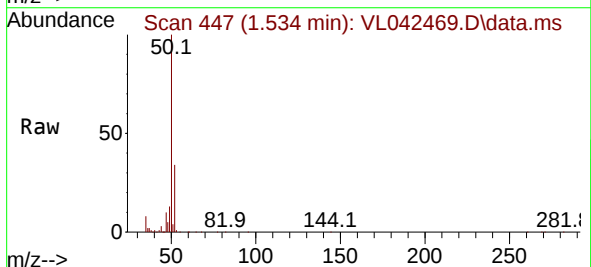
Instrument :
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ClientSampleId :
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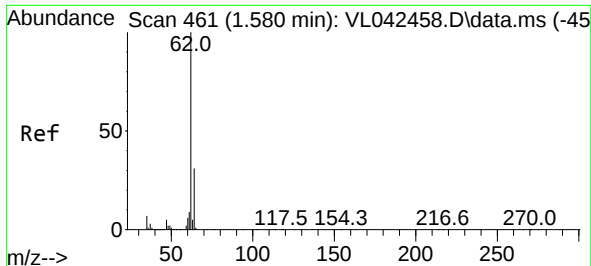
Tgt Ion: 51 Resp: 122899
Ion Ratio Lower Upper
51 100
67 23.6 18.4 27.6



#4
Chloromethane
Concen: 9.579 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion: 50 Resp: 49599
Ion Ratio Lower Upper
50 100
52 33.7 23.5 35.3

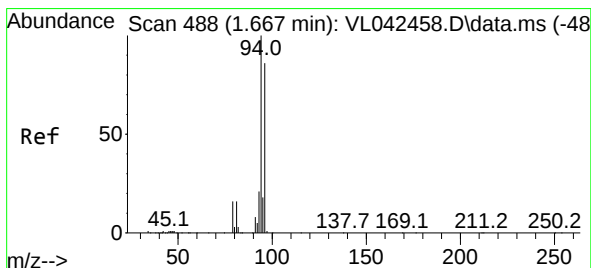
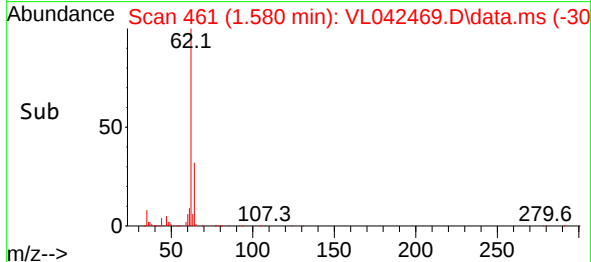
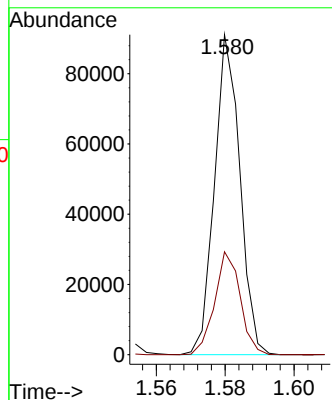
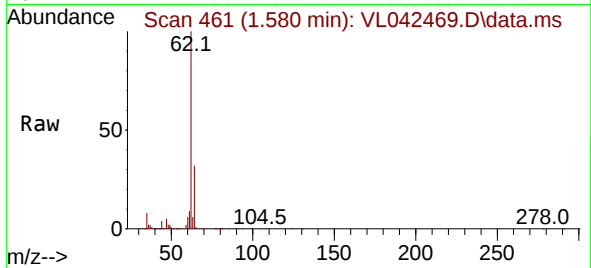




#5
 Vinyl Chloride
 Concen: 8.953 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042469.D
 Acq: 05 May 2025 08:29

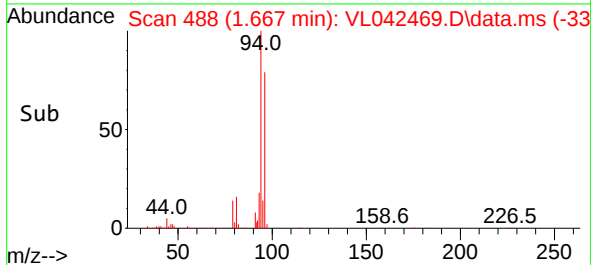
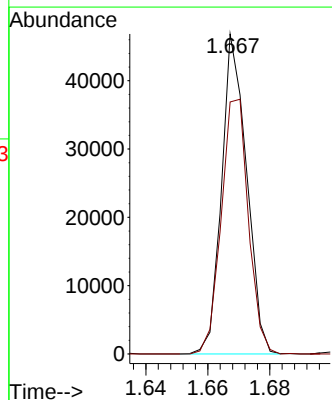
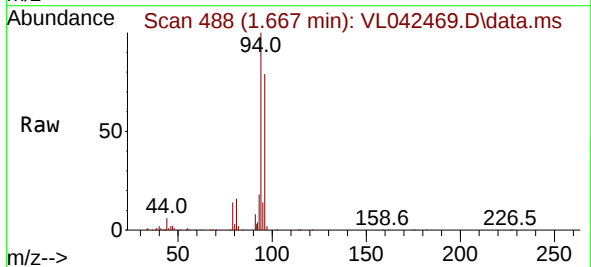
Instrument :
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 ClientSampleId :
 VSTDCCC010

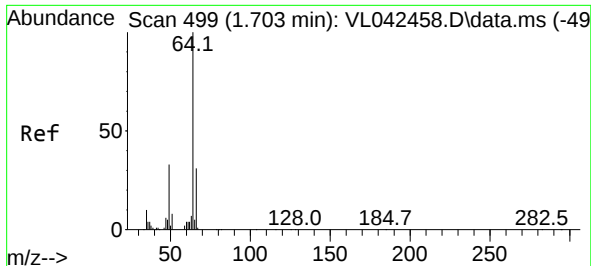
Tgt Ion: 62 Resp: 46672
 Ion Ratio Lower Upper
 62 100
 64 32.2 24.9 37.3



#6
 Bromomethane
 Concen: 10.651 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042469.D
 Acq: 05 May 2025 08:29

Tgt Ion: 94 Resp: 26234
 Ion Ratio Lower Upper
 94 100
 96 78.7 68.8 103.2

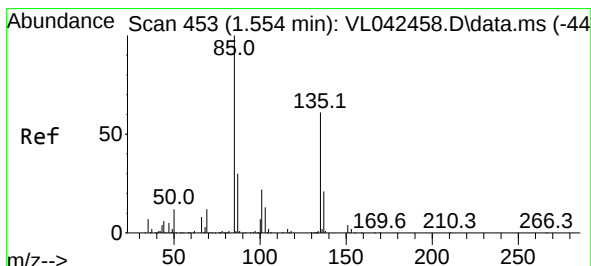
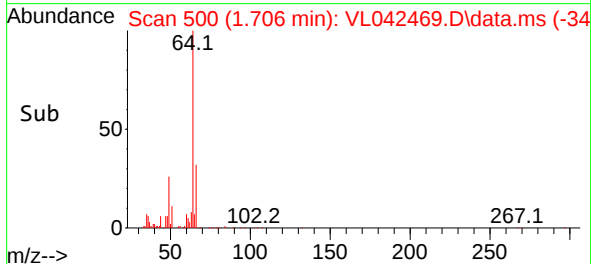
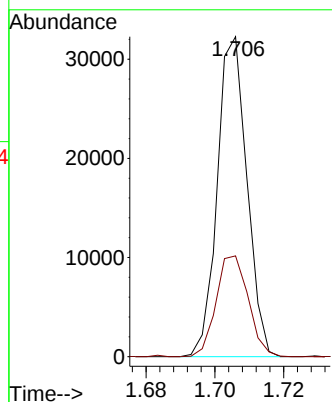
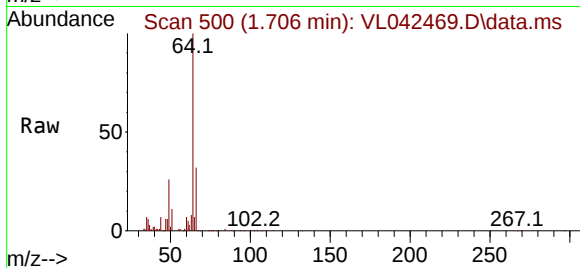




#7
Chloroethane
Concen: 10.032 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

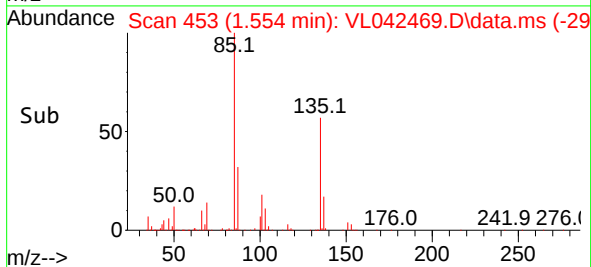
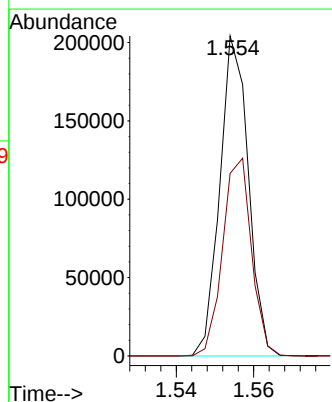
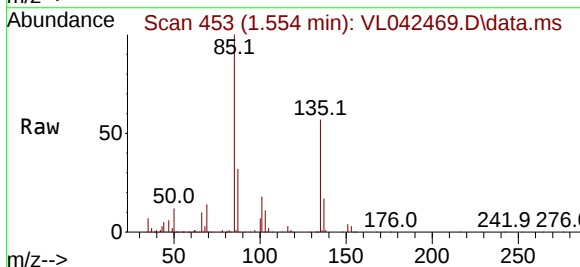
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

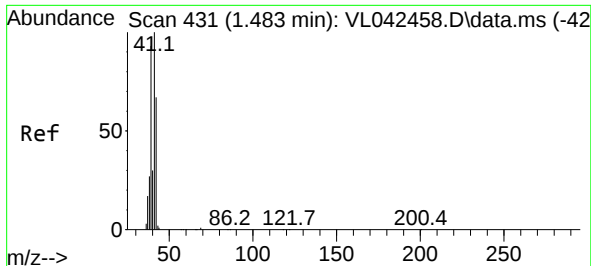
Tgt Ion: 64 Resp: 19310
Ion Ratio Lower Upper
64 100
66 31.5 25.0 37.4



#8
Dichlorotetrafluoroethane
Concen: 10.214 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion: 85 Resp: 104312
Ion Ratio Lower Upper
85 100
135 62.7 49.8 74.8





#9

Propene

Concen: 9.264 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_L

ClientSampleId :

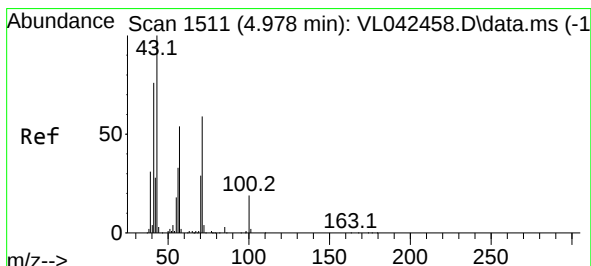
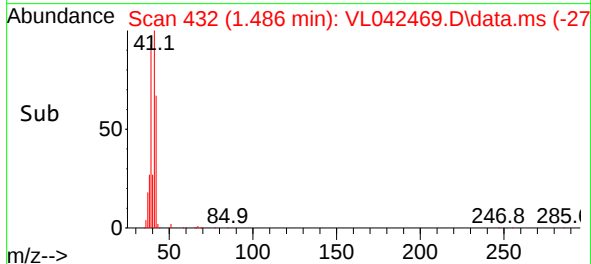
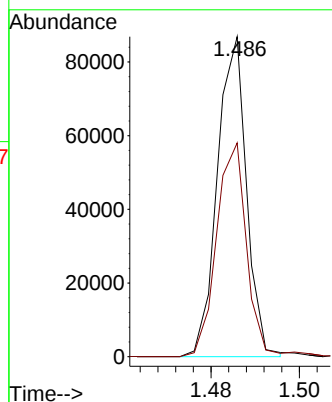
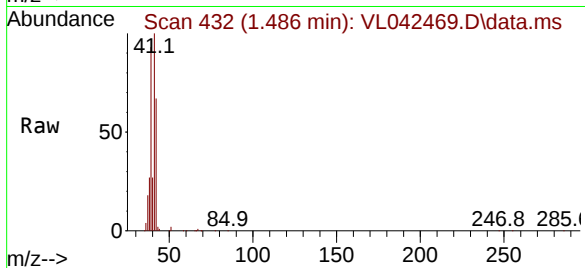
VSTDCCC010

Tgt Ion: 41 Resp: 39686

Ion Ratio Lower Upper

41 100

42 69.8 54.3 81.5



#10

Heptane

Concen: 9.854 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.007 min

Lab File: VL042469.D

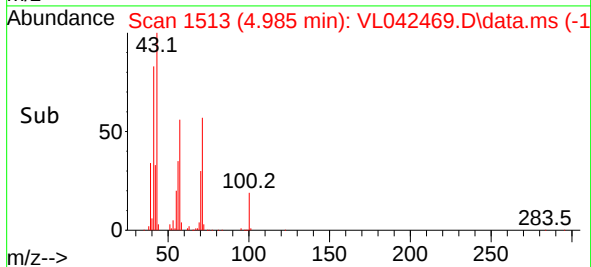
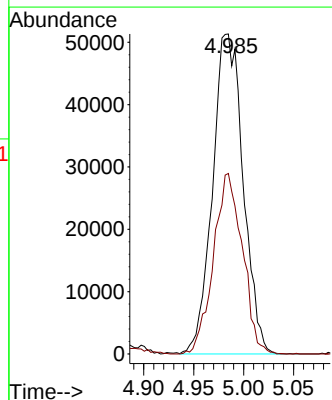
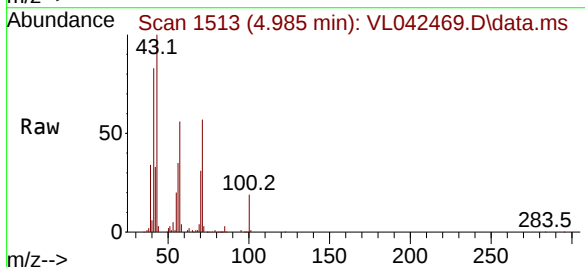
Acq: 05 May 2025 08:29

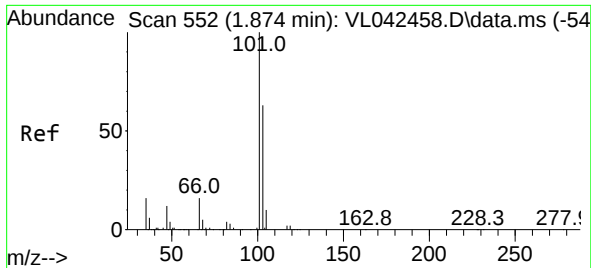
Tgt Ion: 43 Resp: 109506

Ion Ratio Lower Upper

43 100

57 53.2 41.8 62.8

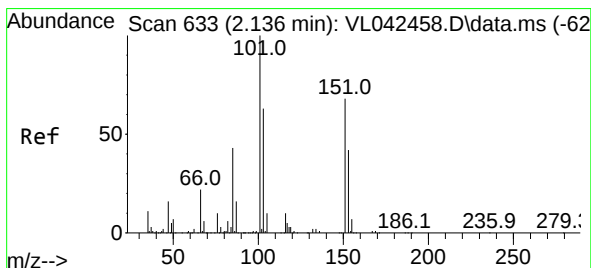
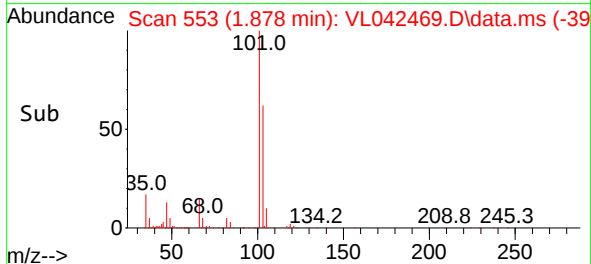
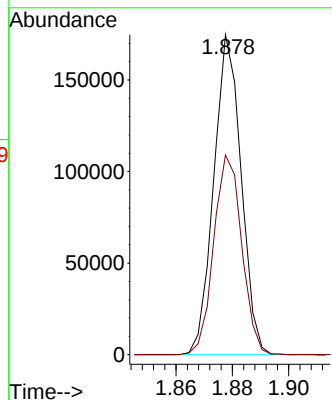
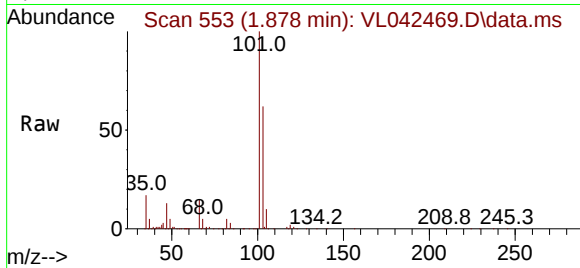




#11
 Trichlorofluoromethane
 Concen: 10.305 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042469.D
 Acq: 05 May 2025 08:29

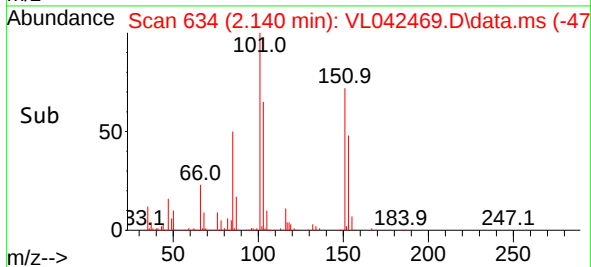
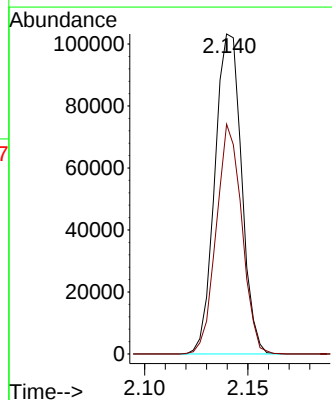
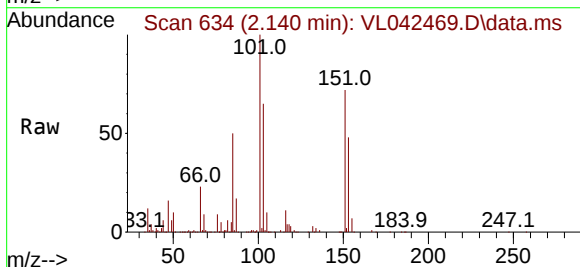
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

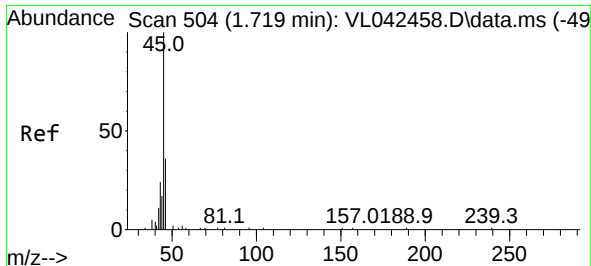
Tgt Ion:101 Resp: 117806
 Ion Ratio Lower Upper
 101 100
 103 62.4 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.178 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL042469.D
 Acq: 05 May 2025 08:29

Tgt Ion:101 Resp: 92903
 Ion Ratio Lower Upper
 101 100
 151 68.7 54.6 82.0

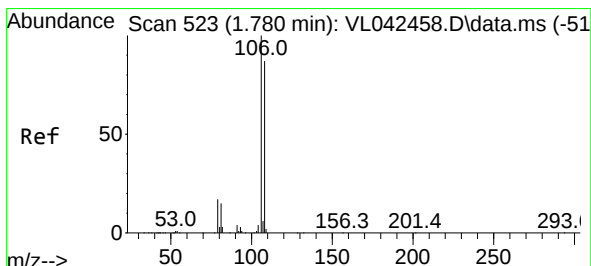
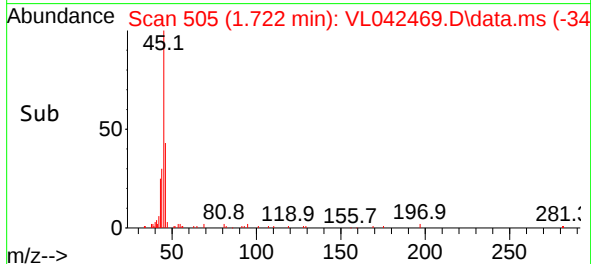
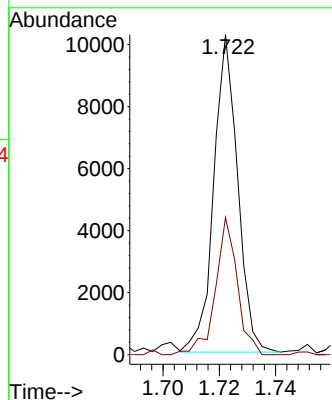
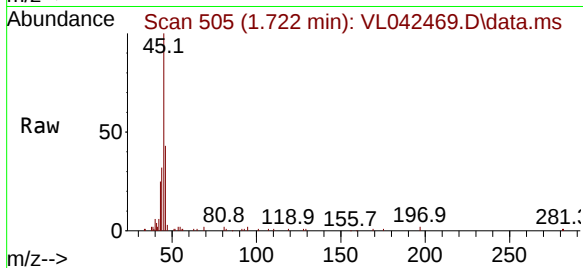




#13
Ethanol
Concen: 6.938 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

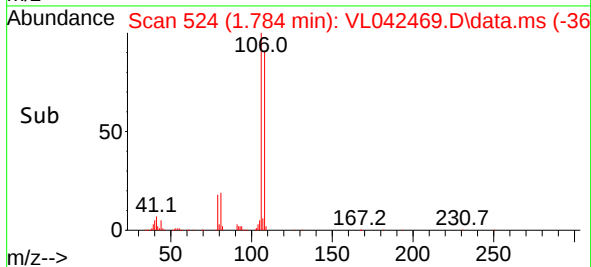
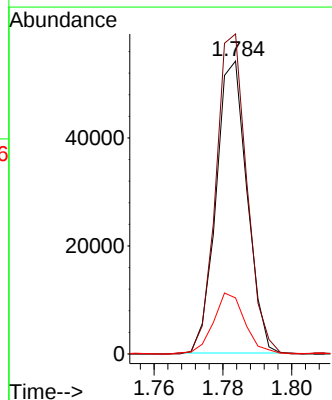
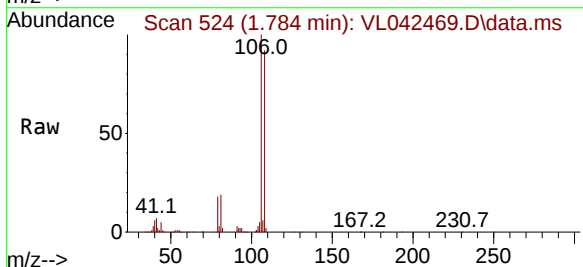
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

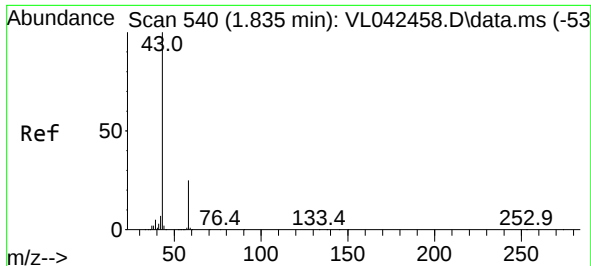
Tgt Ion: 45 Resp: 6032
Ion Ratio Lower Upper
45 100
46 40.0 15.3 61.1



#14
Bromoethene
Concen: 10.053 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion: 108 Resp: 33877
Ion Ratio Lower Upper
108 100
106 109.6 88.8 133.2
79 21.8 17.1 25.7

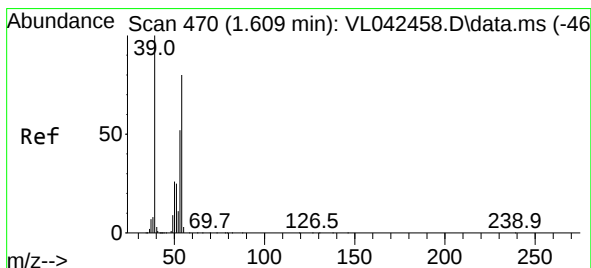
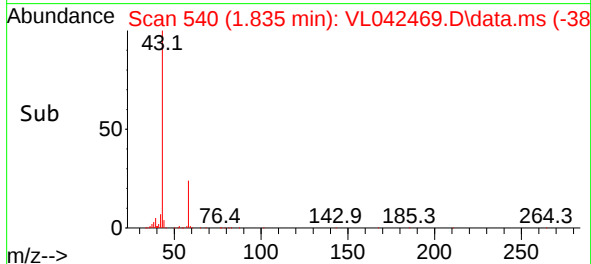
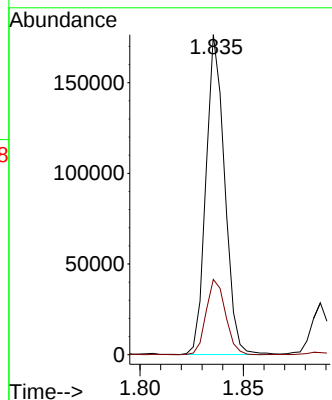
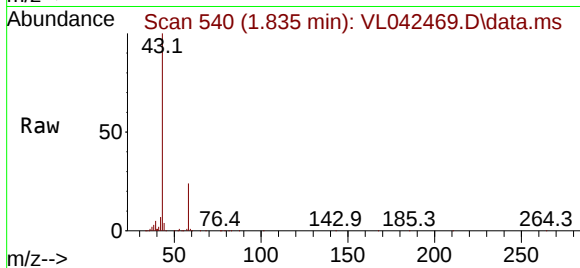




#15
Acetone
Concen: 8.120 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

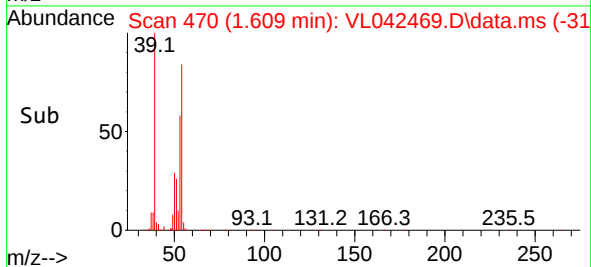
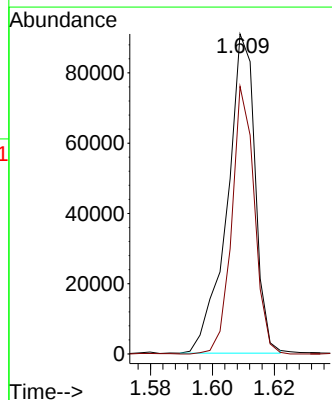
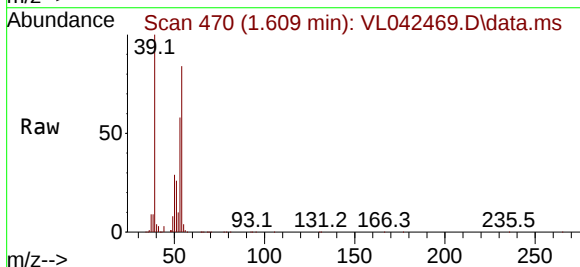
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

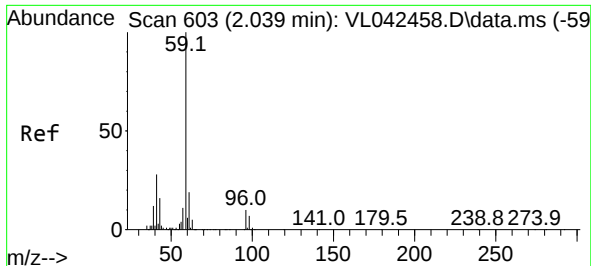
Tgt Ion: 43 Resp: 110962
Ion Ratio Lower Upper
43 100
58 24.4 19.8 29.8



#16
1,3-Butadiene
Concen: 9.434 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion: 39 Resp: 56863
Ion Ratio Lower Upper
39 100
54 67.8 55.2 82.8





#17

tert-Butyl alcohol

Concen: 10.323 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_L

ClientSampleId :

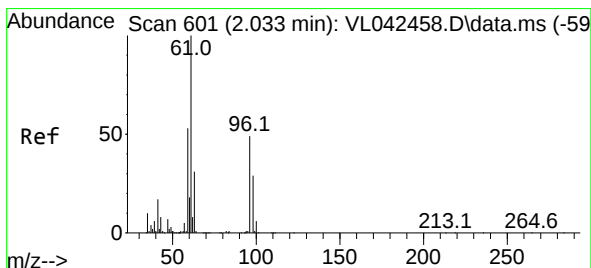
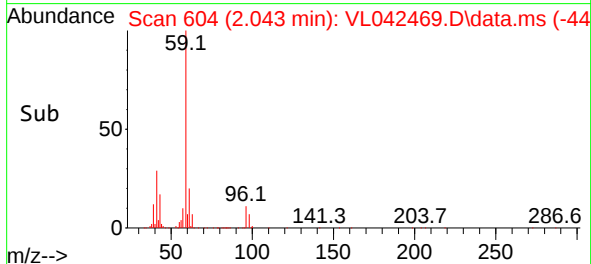
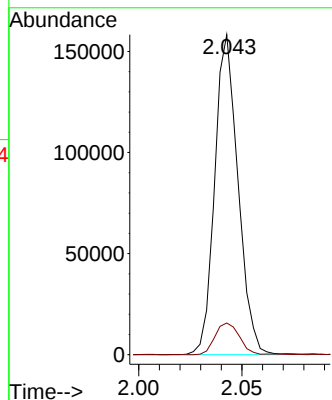
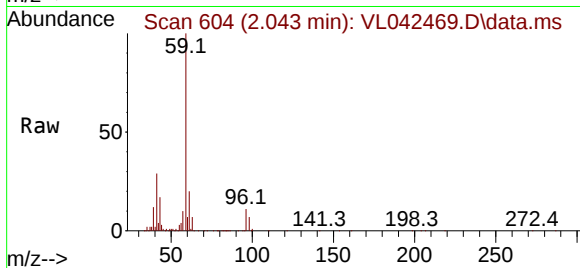
VSTDCCC010

Tgt Ion: 59 Resp: 124285

Ion Ratio Lower Upper

59 100

57 10.5 8.3 12.5



#18

1,1-Dichloroethene

Concen: 9.919 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

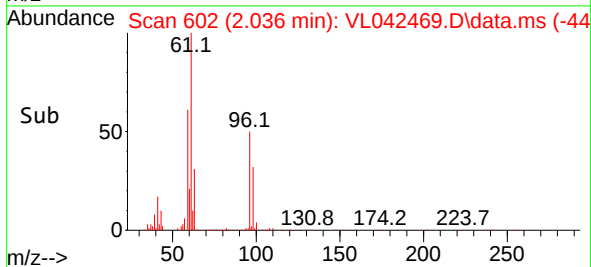
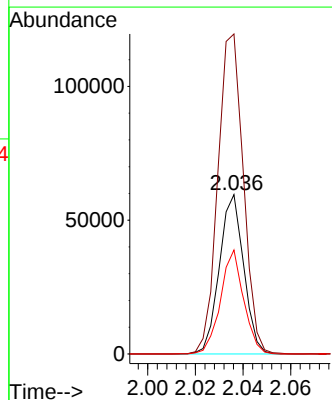
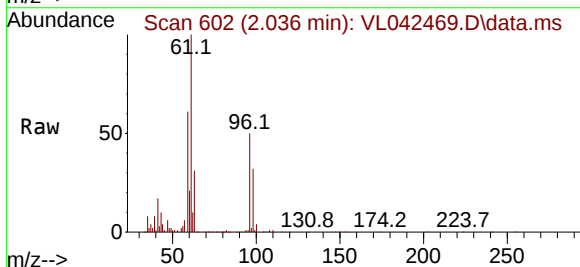
Tgt Ion: 96 Resp: 42276

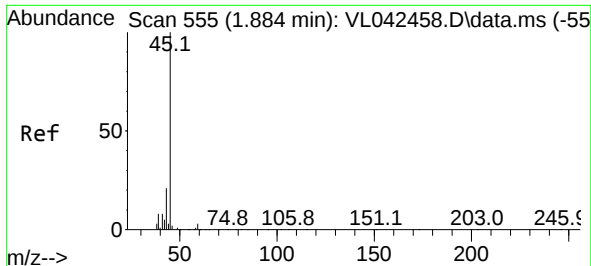
Ion Ratio Lower Upper

96 100

61 200.7 164.9 247.3

98 65.2 48.2 72.2

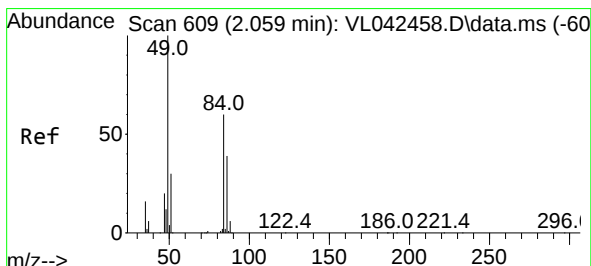
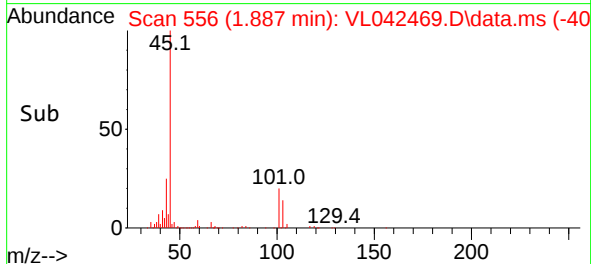
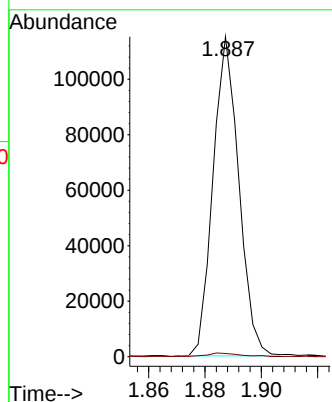
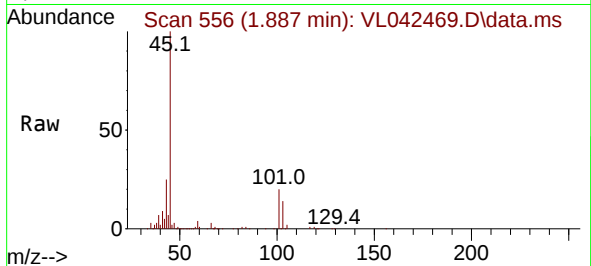




#19
Isopropyl Alcohol
Concen: 9.658 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

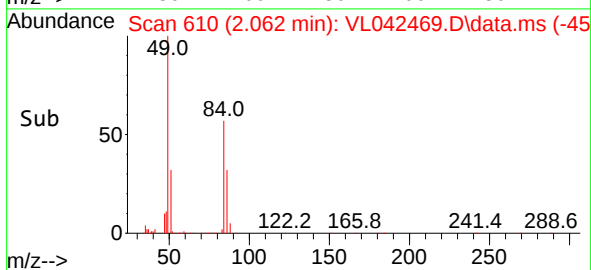
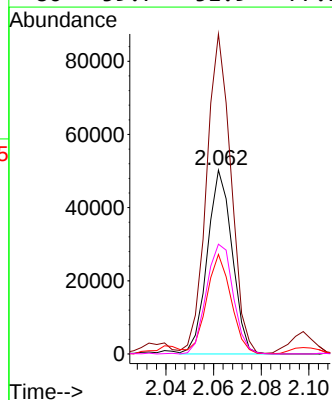
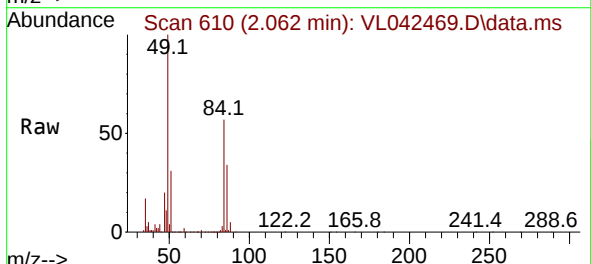
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

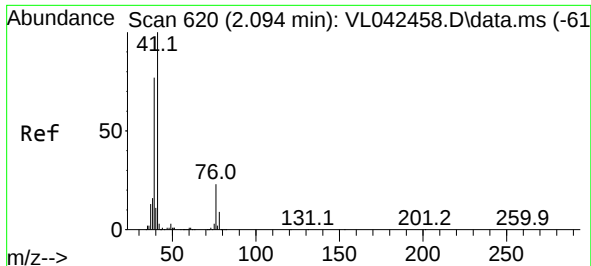
Tgt Ion: 45 Resp: 73049
Ion Ratio Lower Upper
45 100
58 1.6 1.6 2.4



#20
Methylene Chloride
Concen: 8.845 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion: 84 Resp: 36341
Ion Ratio Lower Upper
84 100
49 172.1 133.9 200.9
51 53.8 41.0 61.6
86 59.7 51.9 77.9

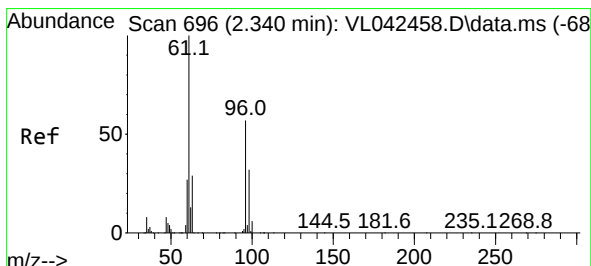
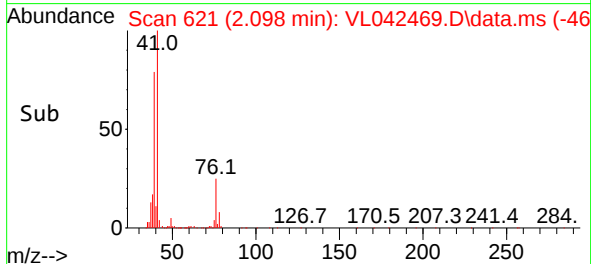
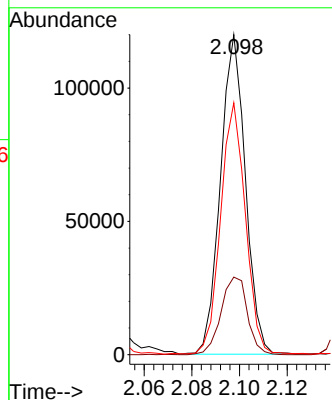
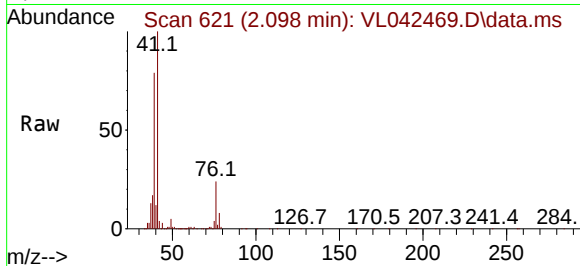




#21
 Allyl Chloride
 Concen: 9.922 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042469.D
 Acq: 05 May 2025 08:29

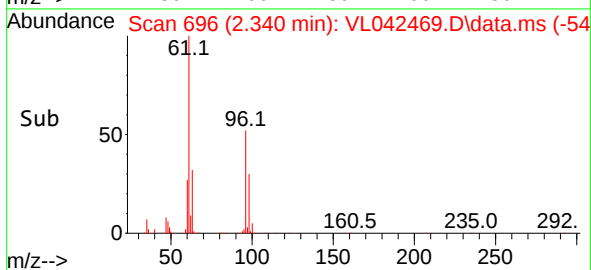
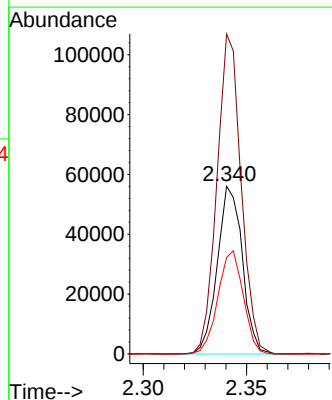
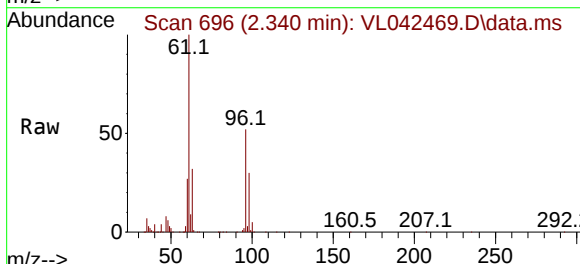
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

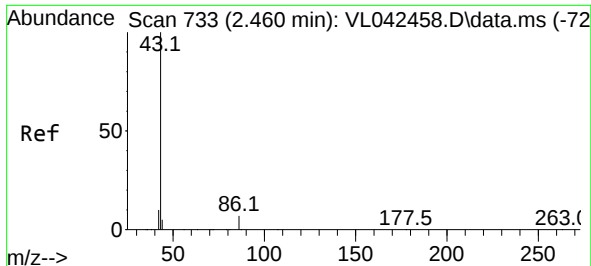
Tgt Ion: 41 Resp: 87203
 Ion Ratio Lower Upper
 41 100
 76 25.7 19.6 29.4
 39 77.6 61.0 91.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.474 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042469.D
 Acq: 05 May 2025 08:29

Tgt Ion: 96 Resp: 47159
 Ion Ratio Lower Upper
 96 100
 61 190.7 141.8 212.6
 98 57.5 45.0 67.6

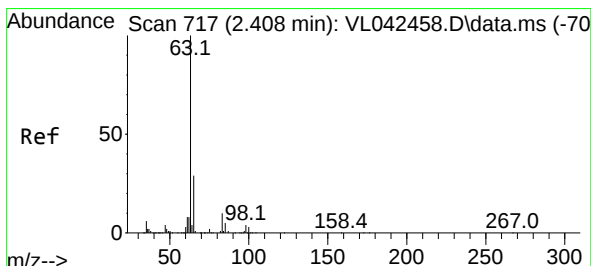
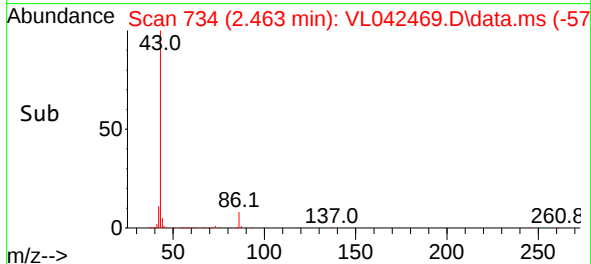
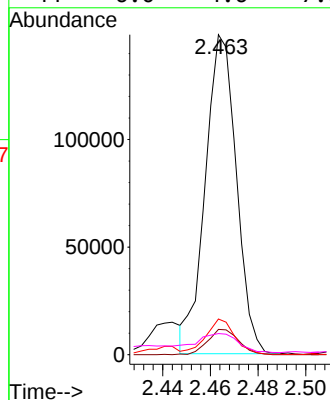
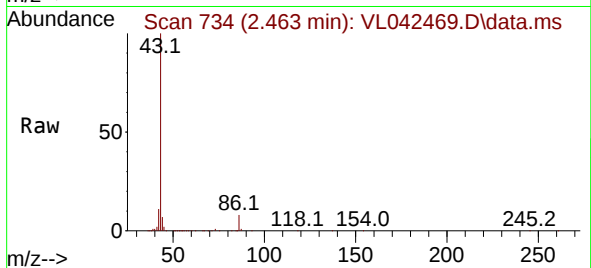




#23
 Vinyl Acetate
 Concen: 10.305 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042469.D
 Acq: 05 May 2025 08:29

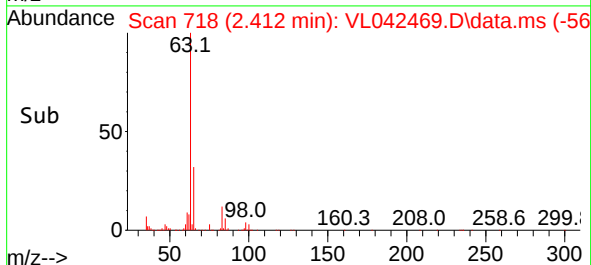
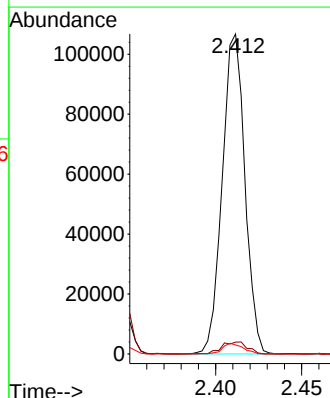
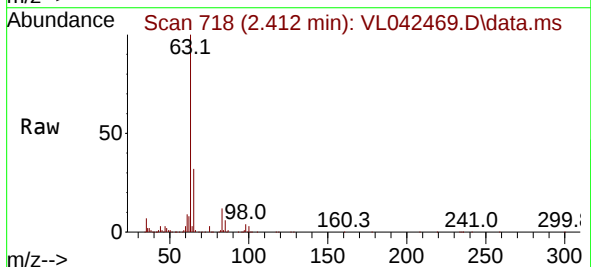
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

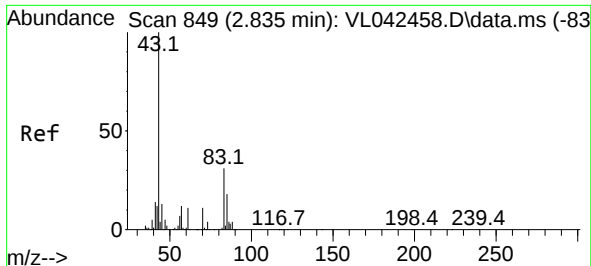
Tgt Ion:	43	Resp:	134402
Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.5	8.3
42	11.0	8.3	12.5
44	6.0	4.6	7.0



#24
 1,1-Dichloroethane
 Concen: 9.619 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042469.D
 Acq: 05 May 2025 08:29

Tgt Ion:	63	Resp:	97677
Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.8	5.5
100	2.8	1.4	4.2



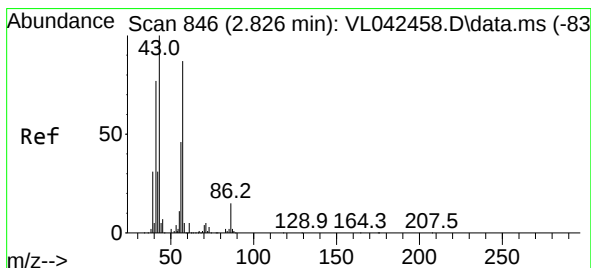
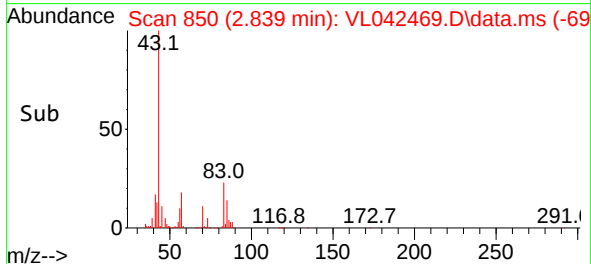
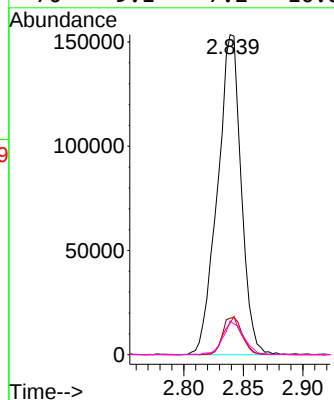
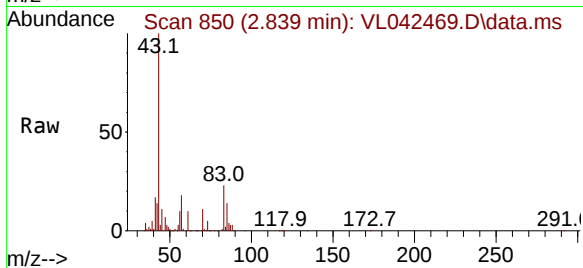


#25
Ethyl Acetate
Concen: 9.697 ppbv
RT: 2.839 min Scan# 849
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 212175

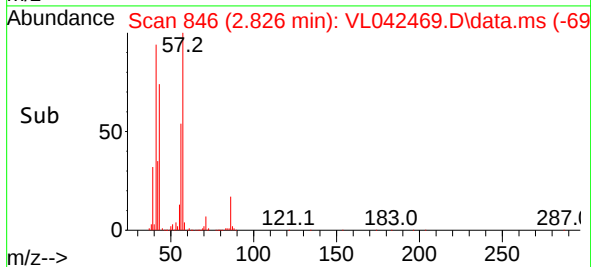
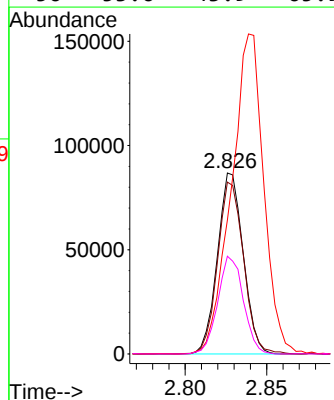
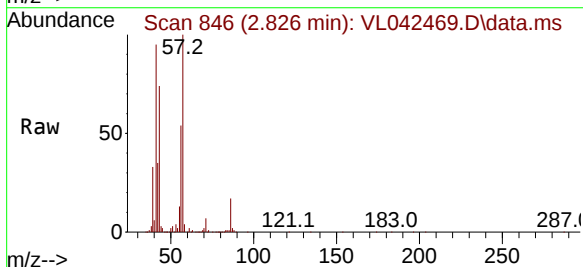
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	8.9	7.2	10.8
70	9.1	7.2	10.8

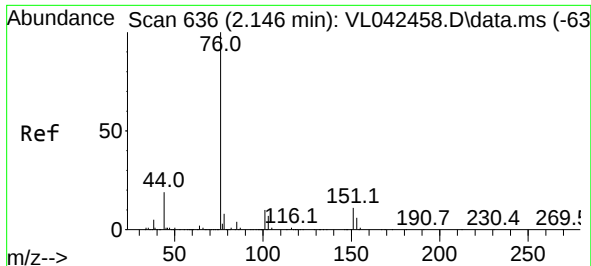


#26
Hexane
Concen: 9.996 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion: 57 Resp: 95290

Ion	Ratio	Lower	Upper
57	100		
41	95.9	77.8	116.8
43	222.9	187.0	280.6
56	53.6	43.9	65.9





#27

Carbon Disulfide

Concen: 10.867 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

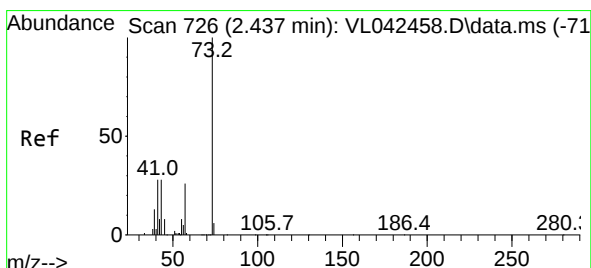
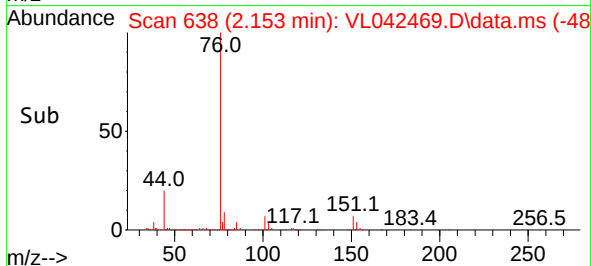
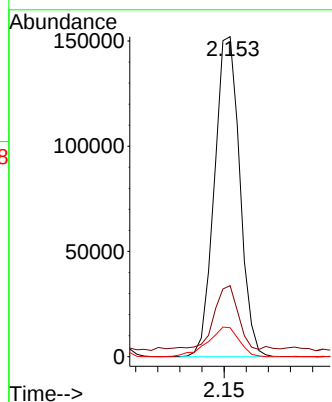
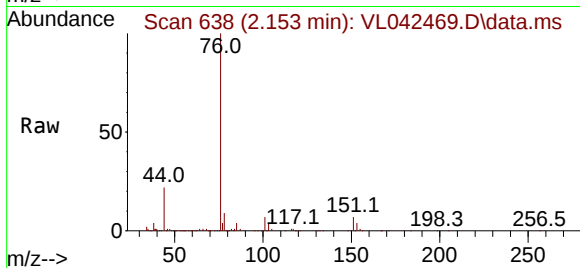
Tgt Ion: 76 Resp: 120890

Ion Ratio Lower Upper

76 100

44 20.8 21.0 31.6#

78 11.4 8.6 13.0



#28

Methyl tert-Butyl Ether

Concen: 9.432 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.007 min

Lab File: VL042469.D

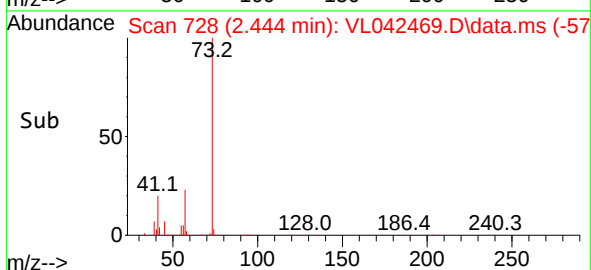
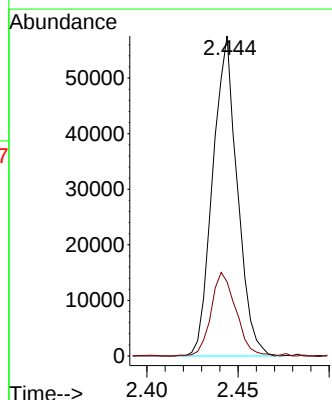
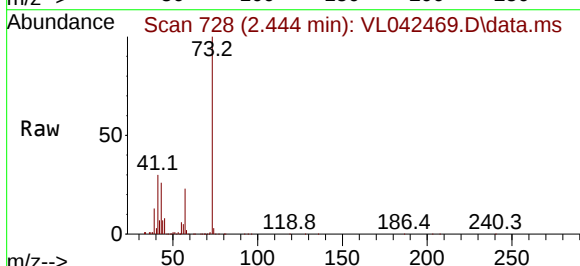
Acq: 05 May 2025 08:29

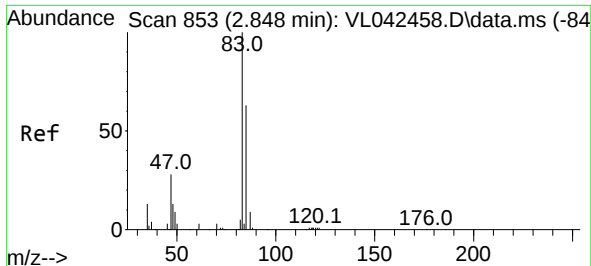
Tgt Ion: 73 Resp: 54017

Ion Ratio Lower Upper

73 100

57 26.8 19.9 29.9





#29

Chloroform

Concen: 9.738 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_L

ClientSampleId :

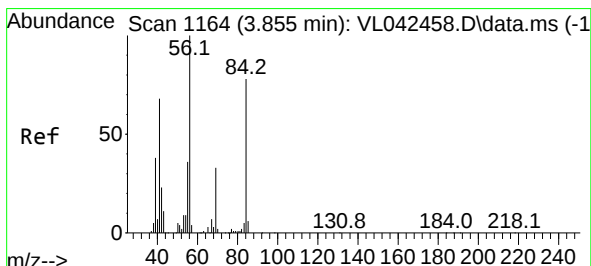
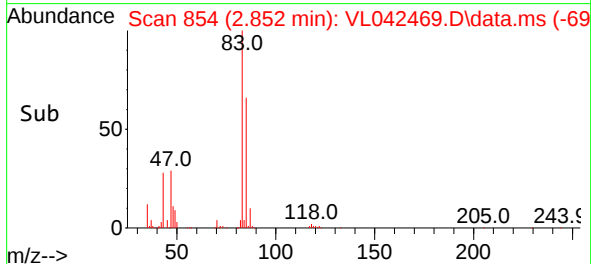
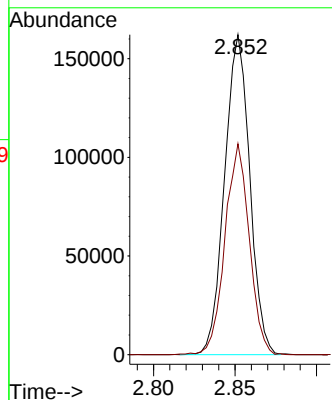
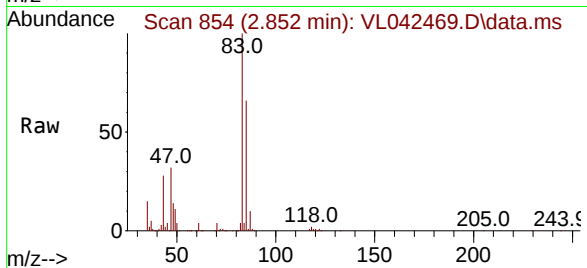
VSTDCCC010

Tgt Ion: 83 Resp: 173954

Ion Ratio Lower Upper

83 100

85 65.7 50.4 75.6



#30

Cyclohexane

Concen: 9.871 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

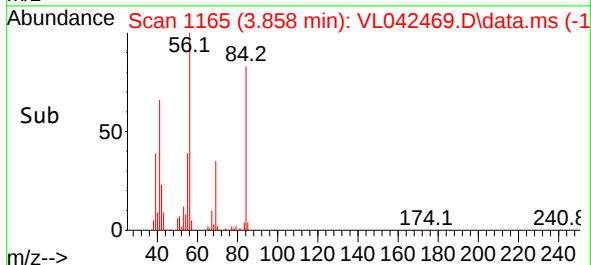
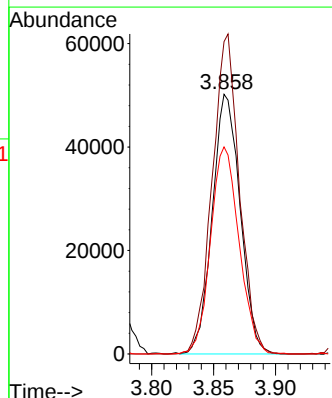
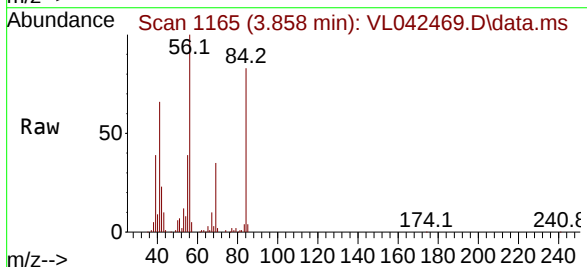
Tgt Ion: 84 Resp: 78668

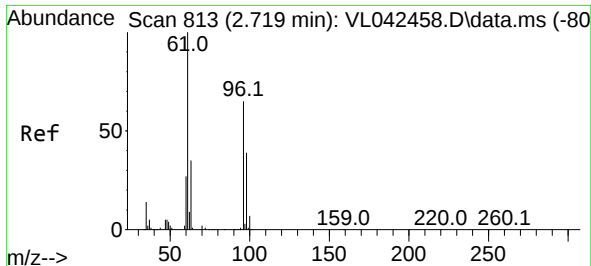
Ion Ratio Lower Upper

84 100

56 120.2 98.1 147.1

41 81.7 65.8 98.8

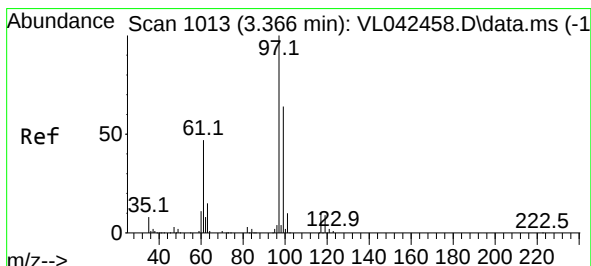
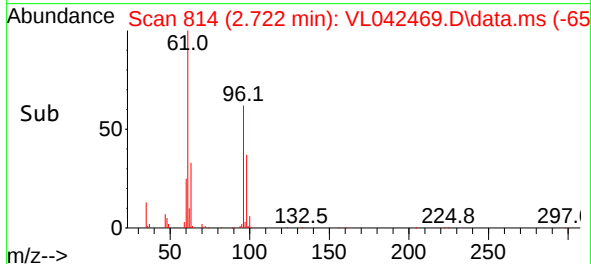
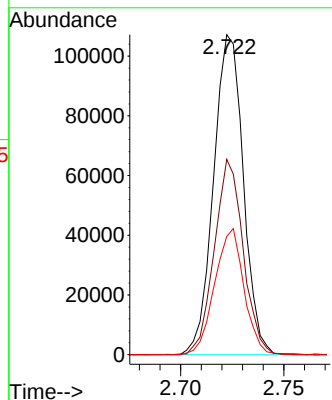
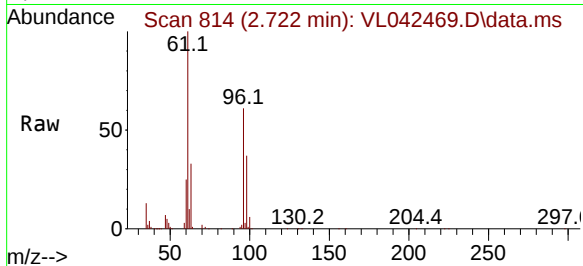




#31
 cis-1,2-Dichloroethene
 Concen: 9.659 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042469.D
 Acq: 05 May 2025 08:29

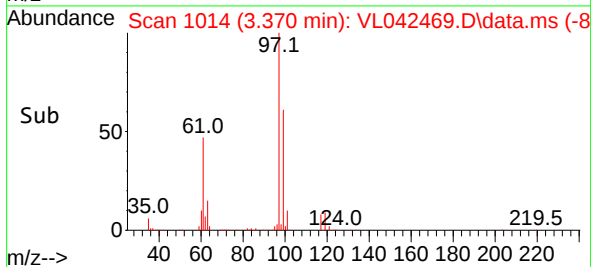
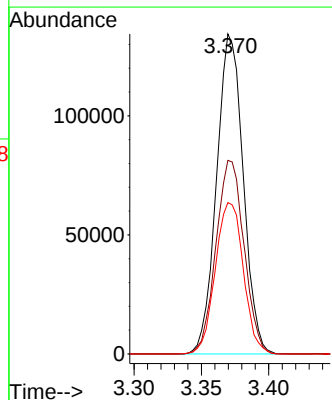
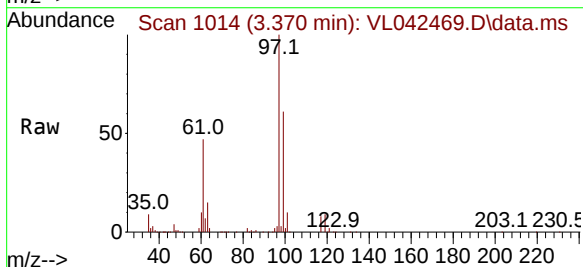
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

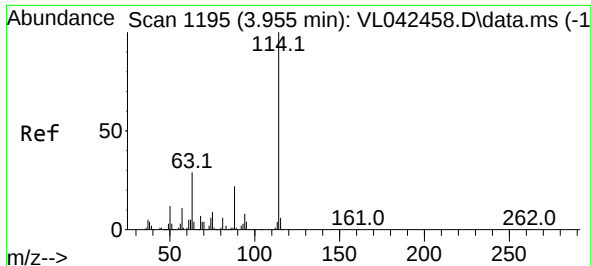
Tgt Ion: 61 Resp: 107420
 Ion Ratio Lower Upper
 61 100
 96 60.9 52.0 78.0
 98 37.0 31.0 46.6



#32
 1,1,1-Trichloroethane
 Concen: 9.540 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042469.D
 Acq: 05 May 2025 08:29

Tgt Ion: 97 Resp: 184899
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.7 76.1
 61 49.8 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

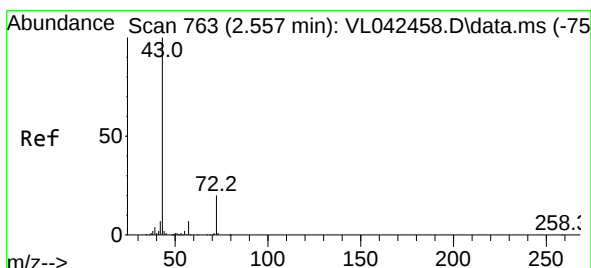
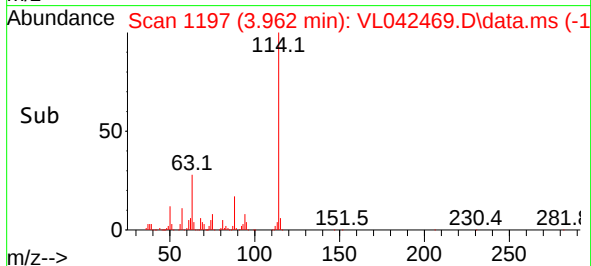
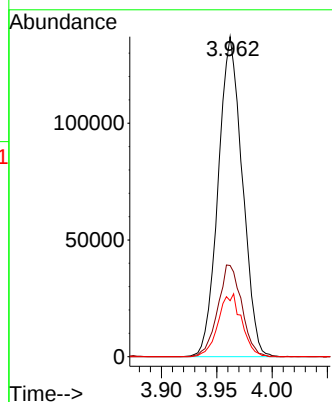
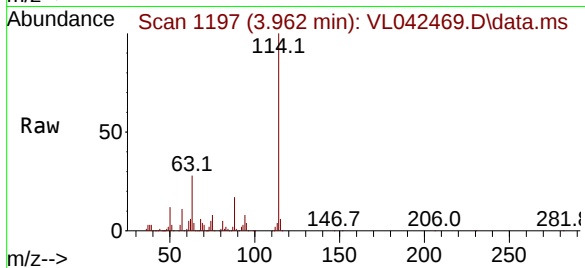
Tgt Ion:114 Resp: 207859

Ion Ratio Lower Upper

114 100

63 28.5 23.1 34.7

88 19.2 16.1 24.1



#34

2-Butanone

Concen: 8.967 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.003 min

Lab File: VL042469.D

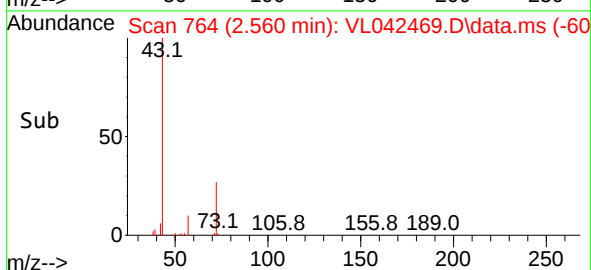
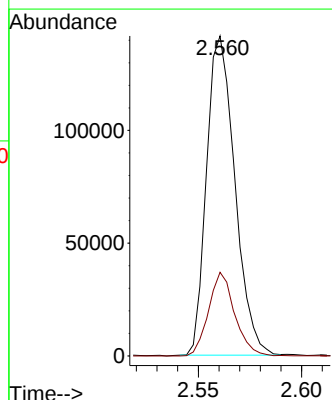
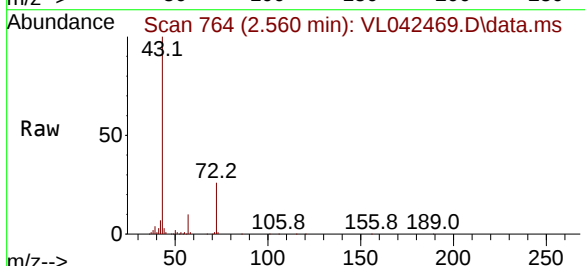
Acq: 05 May 2025 08:29

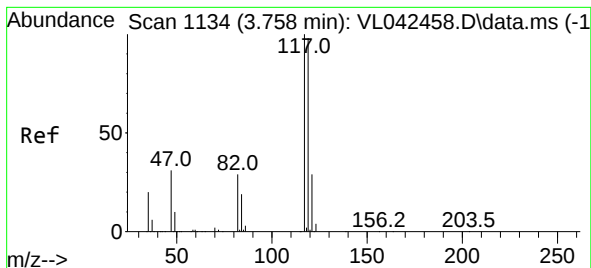
Tgt Ion: 43 Resp: 134813

Ion Ratio Lower Upper

43 100

72 24.2 16.7 25.1





#35

Carbon Tetrachloride

Concen: 10.120 ppbv

RT: 3.765 min Scan# 1136

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

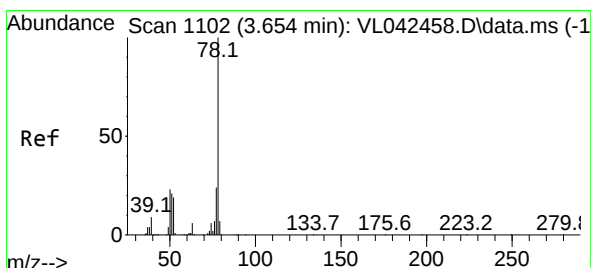
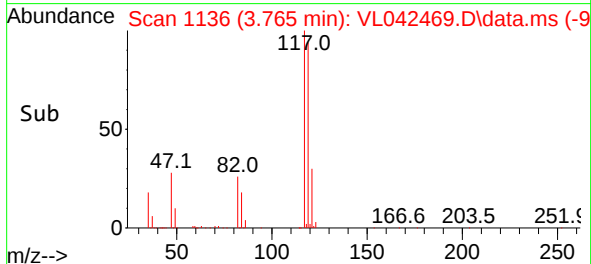
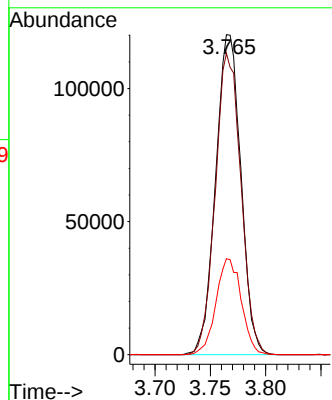
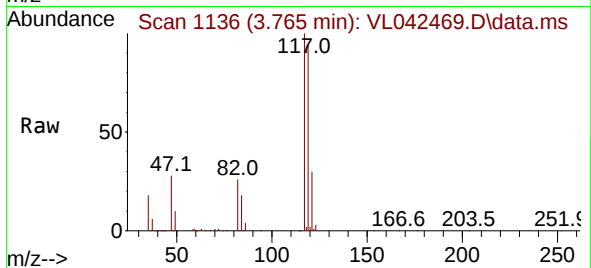
Tgt Ion:117 Resp: 191095

Ion Ratio Lower Upper

117 100

119 94.2 78.1 117.1

121 30.0 23.0 34.6



#36

Benzene

Concen: 9.838 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

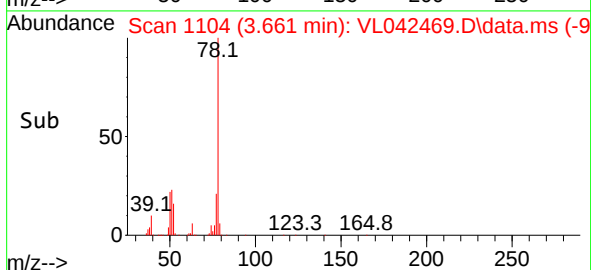
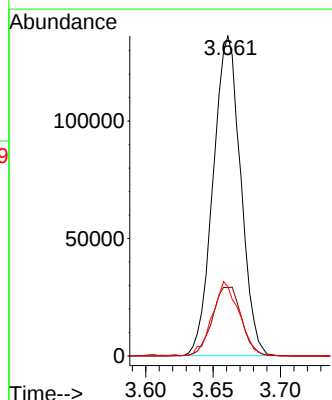
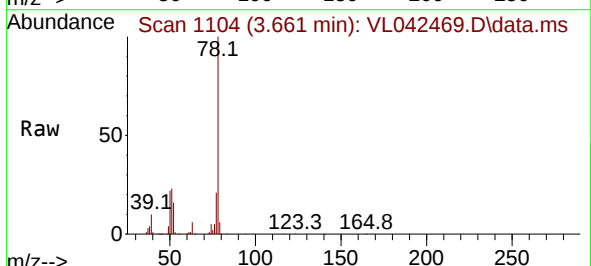
Tgt Ion: 78 Resp: 192975

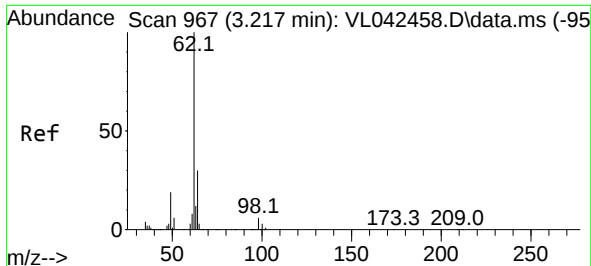
Ion Ratio Lower Upper

78 100

77 21.3 18.9 28.3

50 21.7 18.4 27.6





#37

1,2-Dichloroethane

Concen: 9.710 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_L

ClientSampleId :

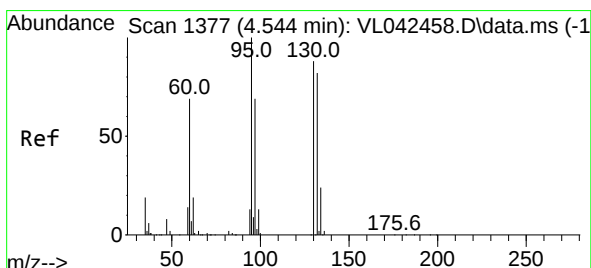
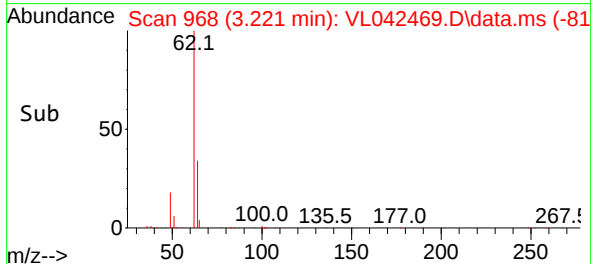
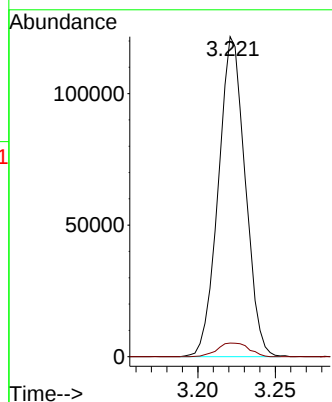
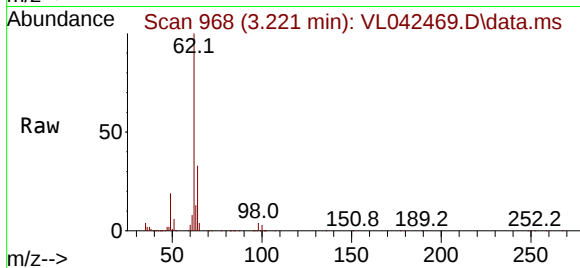
VSTDCCC010

Tgt Ion: 62 Resp: 146792

Ion Ratio Lower Upper

62 100

98 5.0 4.3 6.5



#38

Trichloroethene

Concen: 10.264 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.010 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Tgt Ion:130 Resp: 76779

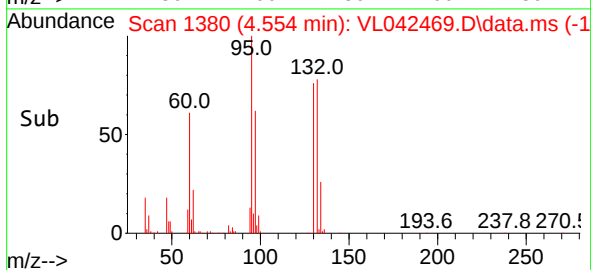
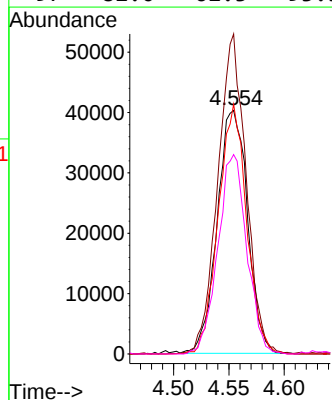
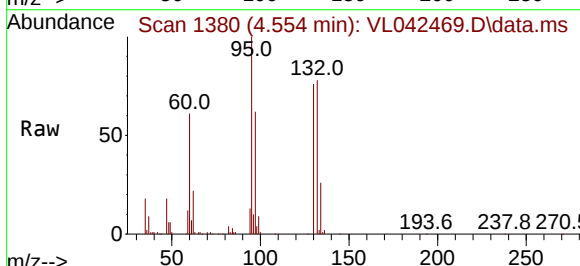
Ion Ratio Lower Upper

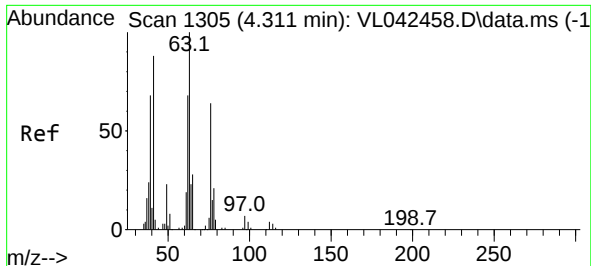
130 100

95 131.4 91.0 136.4

132 102.6 74.2 111.4

97 82.0 62.3 93.5





#39

1,2-Dichloropropane

Concen: 9.181 ppbv

RT: 4.318 min Scan# 1305

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

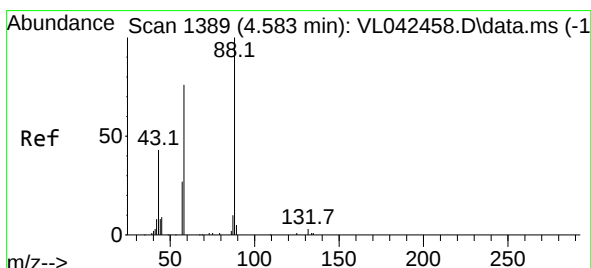
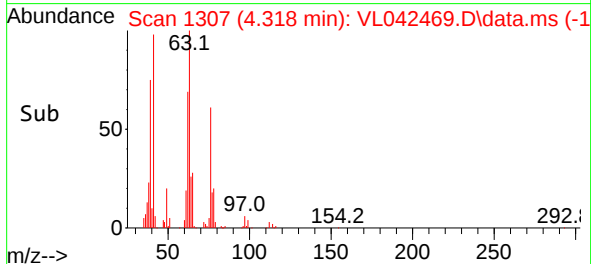
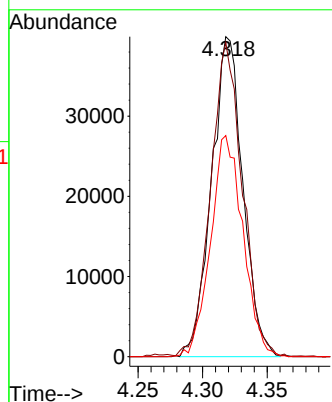
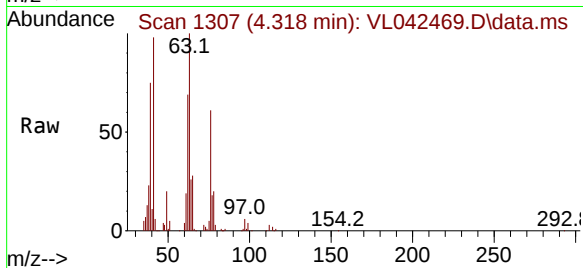
Tgt Ion: 63 Resp: 67421

Ion Ratio Lower Upper

63 100

41 97.7 69.8 104.6

62 68.9 54.3 81.5



#40

1,4-Dioxane

Concen: 8.622 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Tgt Ion: 88 Resp: 29648

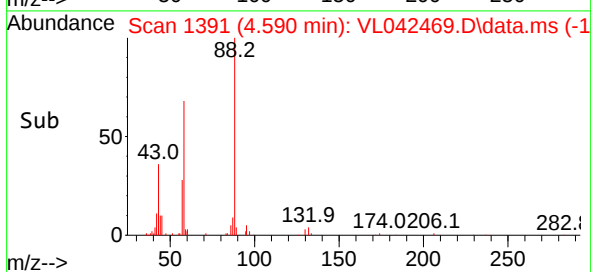
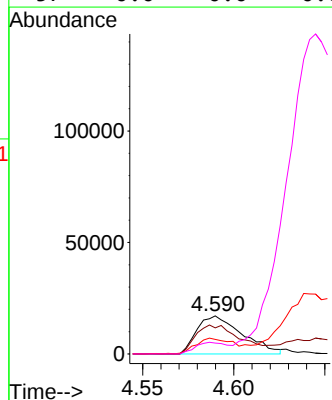
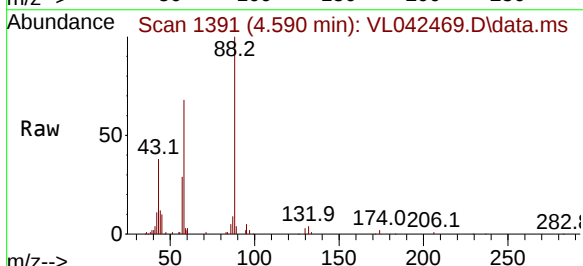
Ion Ratio Lower Upper

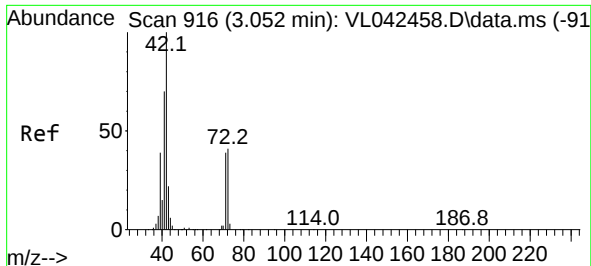
88 100

58 74.1 0.0 0.0#

43 35.3 0.0 0.0#

57 0.0 0.0 0.0

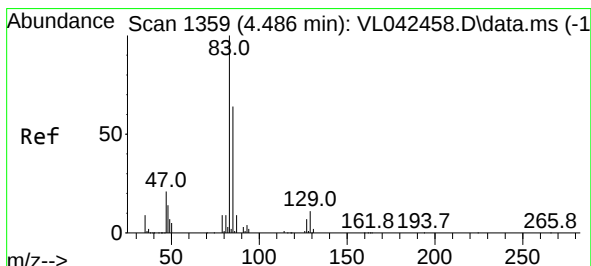
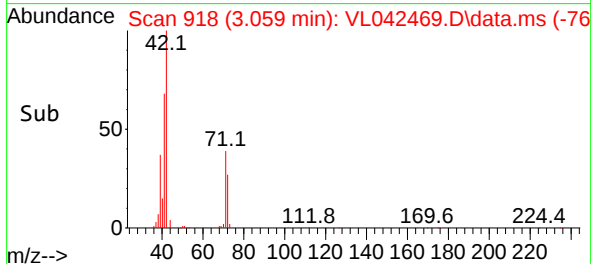
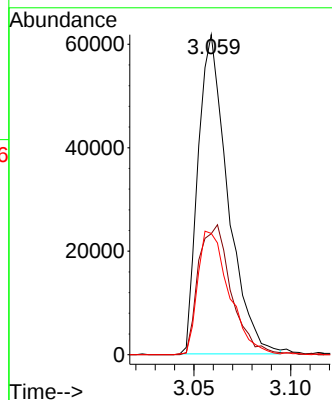
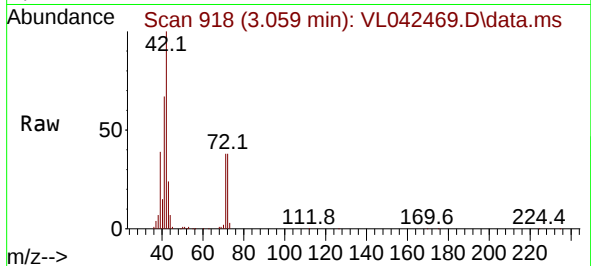




#41
Tetrahydrofuran
Concen: 9.263 ppbv
RT: 3.059 min Scan# 916
Delta R.T. 0.007 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

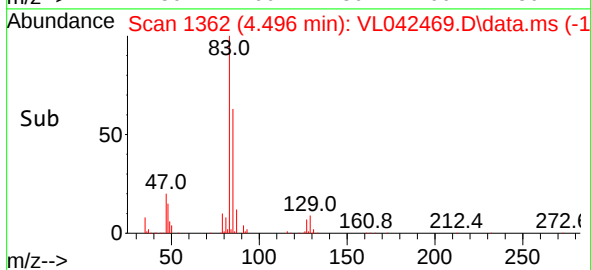
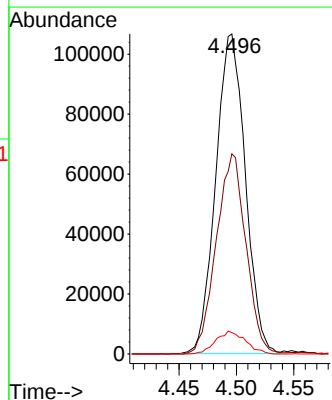
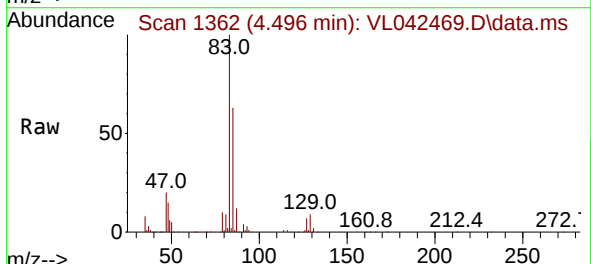
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

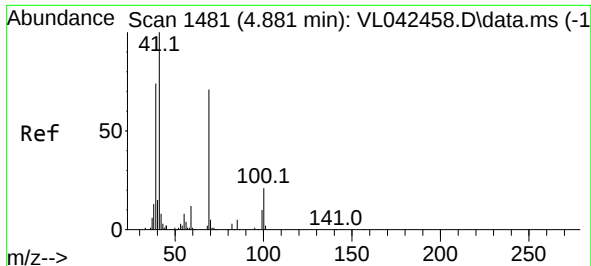
Tgt Ion: 42 Resp: 66188
Ion Ratio Lower Upper
42 100
72 45.0 33.5 50.3
71 41.1 32.6 49.0



#42
Bromodichloromethane
Concen: 10.347 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.010 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion: 83 Resp: 191130
Ion Ratio Lower Upper
83 100
85 62.6 51.5 77.3
127 6.7 5.4 8.2

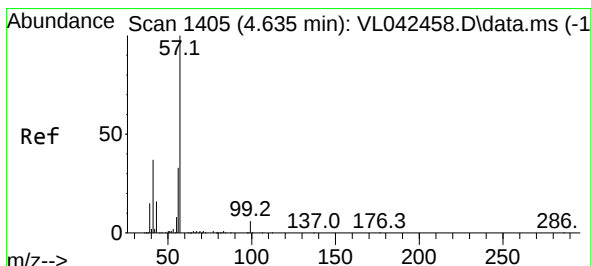
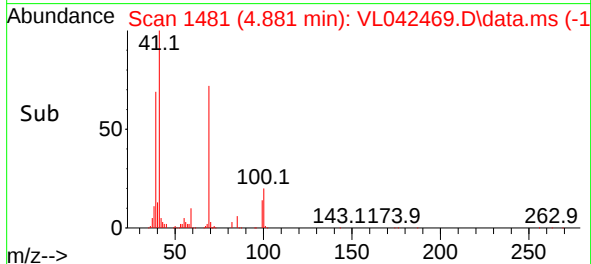
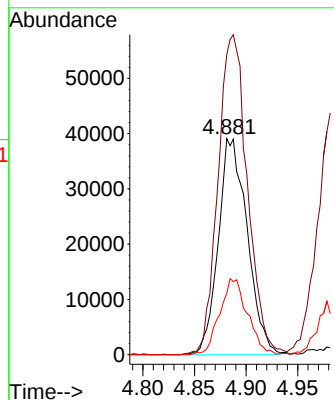
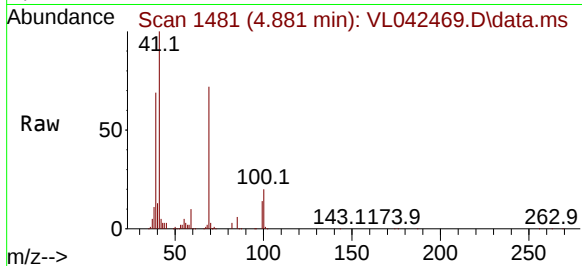




#43
Methyl Methacrylate
Concen: 10.433 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.000 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

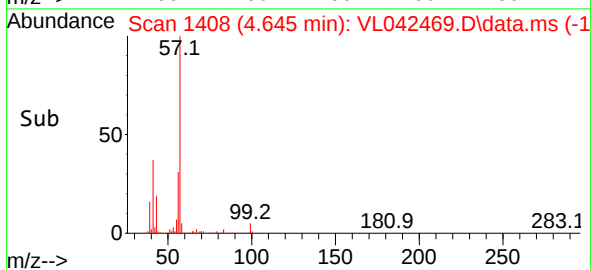
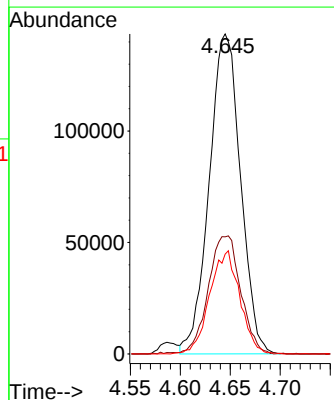
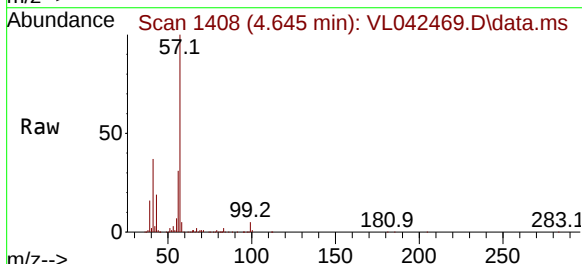
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

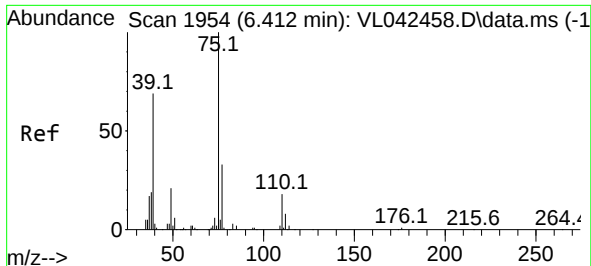
Tgt Ion: 69 Resp: 76368
Ion Ratio Lower Upper
69 100
41 150.0 120.8 181.2
100 33.8 26.7 40.1



#44
2,2,4-Trimethylpentane
Concen: 9.838 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.010 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion: 57 Resp: 312811
Ion Ratio Lower Upper
57 100
41 38.5 30.6 45.8
56 31.0 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 10.980 ppbv

RT: 6.422 min Scan# 1954

Delta R.T. 0.010 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_1

ClientSampleId :

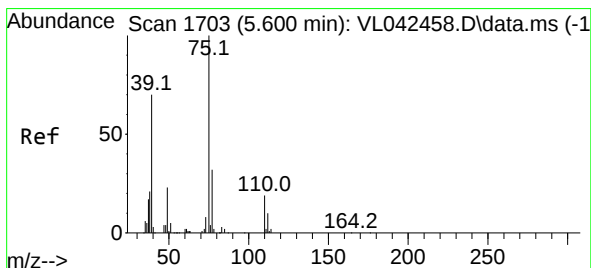
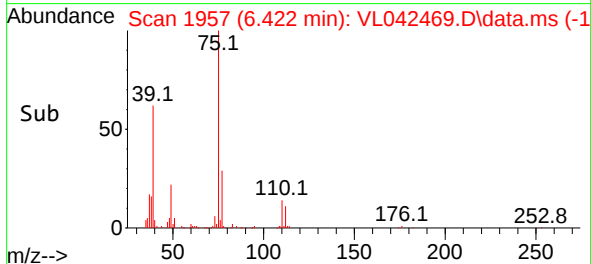
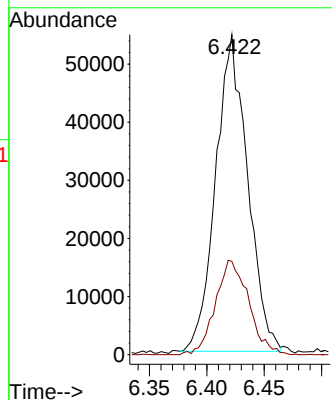
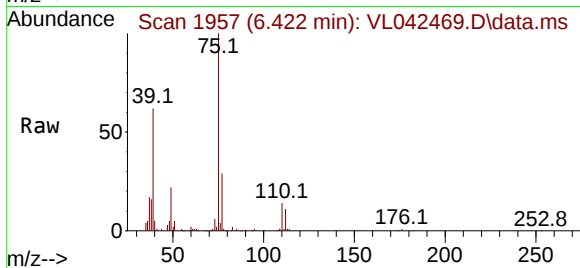
VSTDCCC010

Tgt Ion: 75 Resp: 105437

Ion Ratio Lower Upper

75 100

77 29.2 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 10.321 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. 0.010 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

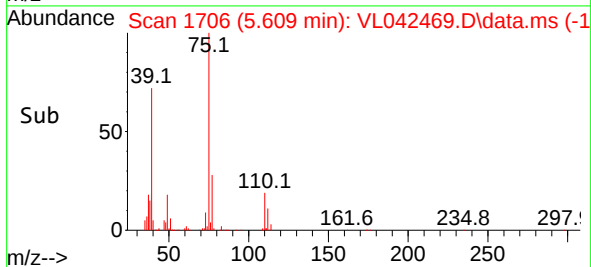
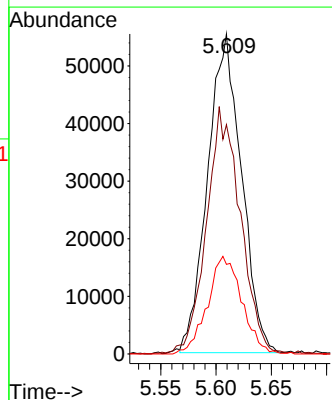
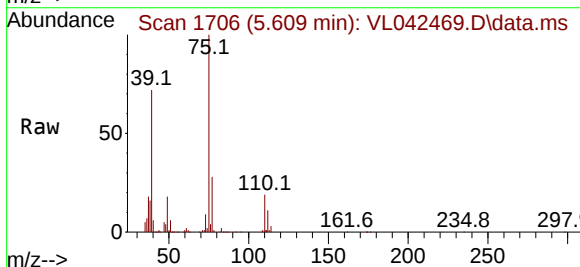
Tgt Ion: 75 Resp: 117796

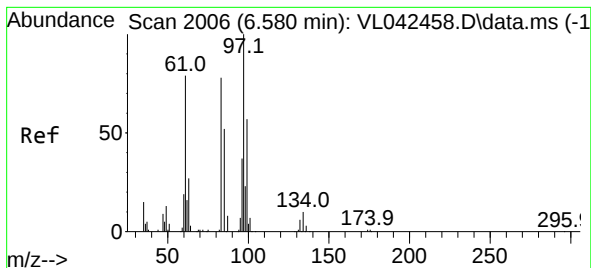
Ion Ratio Lower Upper

75 100

39 71.0 55.7 83.5

77 27.9 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 9.651 ppbv

RT: 6.590 min Scan# 2006

Delta R.T. 0.010 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 77722

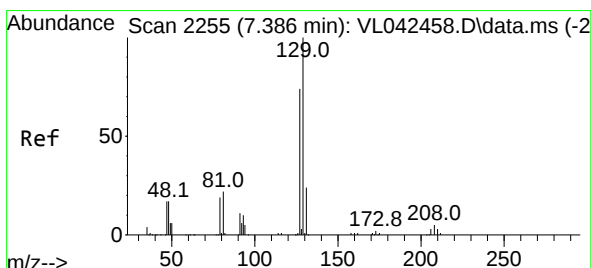
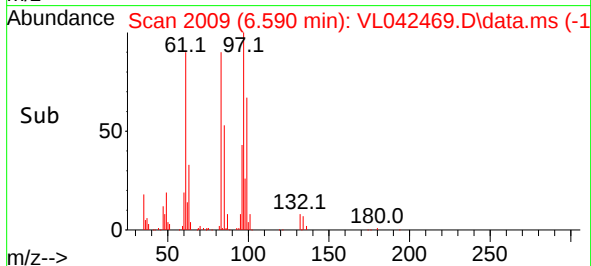
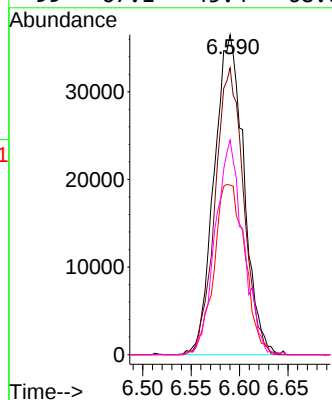
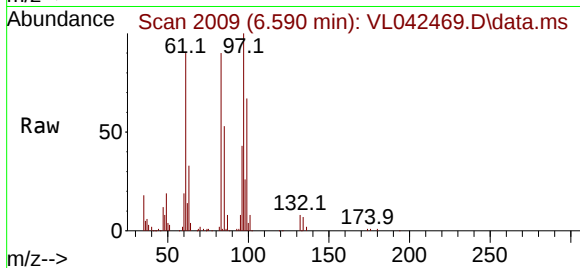
Ion Ratio Lower Upper

97 100

83 89.6 62.2 93.2

85 53.0 41.5 62.3

99 67.1 45.4 68.0



#48

Dibromochloromethane

Concen: 10.556 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.007 min

Lab File: VL042469.D

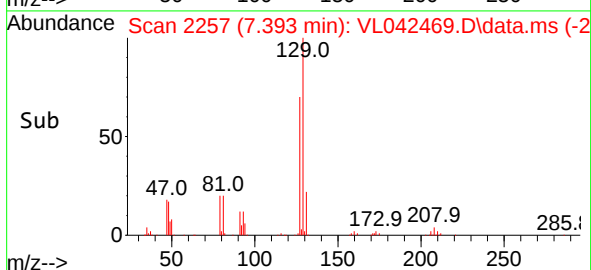
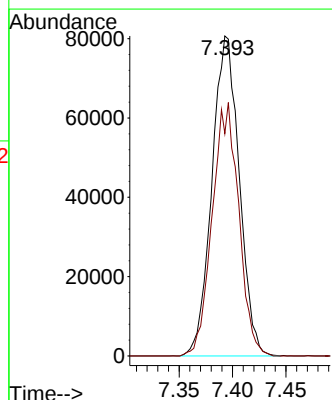
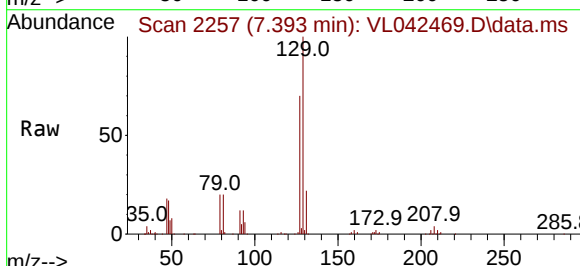
Acq: 05 May 2025 08:29

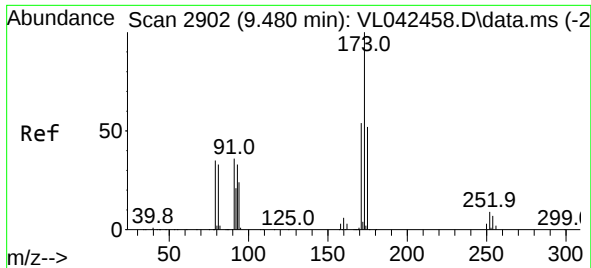
Tgt Ion: 129 Resp: 143524

Ion Ratio Lower Upper

129 100

127 76.7 39.5 118.5





#49

Bromoform

Concen: 10.402 ppbv

RT: 9.490 min Scan# 2902

Delta R.T. 0.010 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

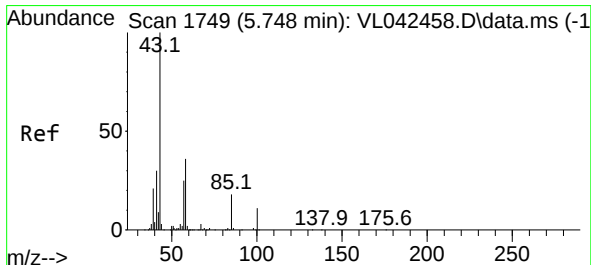
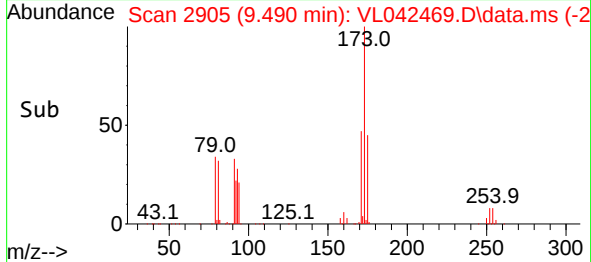
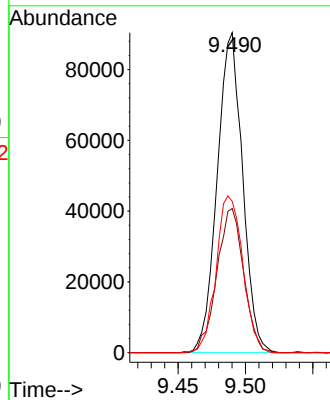
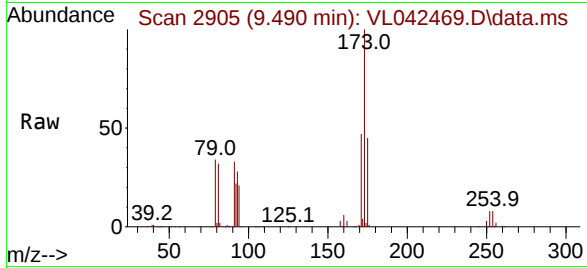
Tgt Ion:173 Resp: 118610

Ion Ratio Lower Upper

173 100

175 47.6 38.9 58.3

171 51.5 40.6 60.8



#50

4-Methyl-2-Pentanone

Concen: 9.625 ppbv

RT: 5.758 min Scan# 1752

Delta R.T. 0.010 min

Lab File: VL042469.D

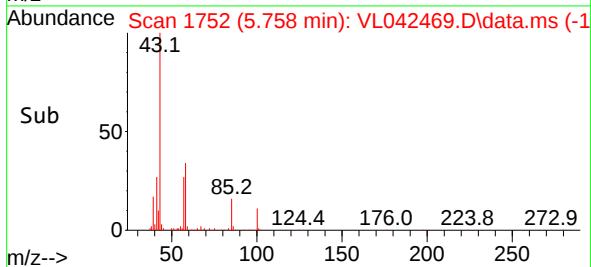
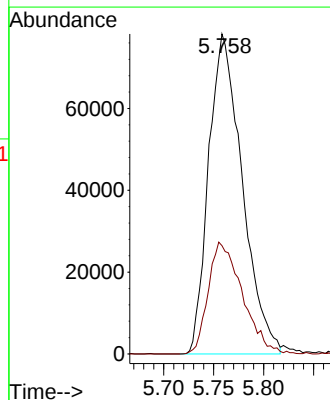
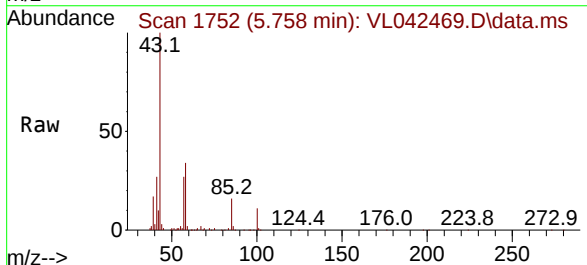
Acq: 05 May 2025 08:29

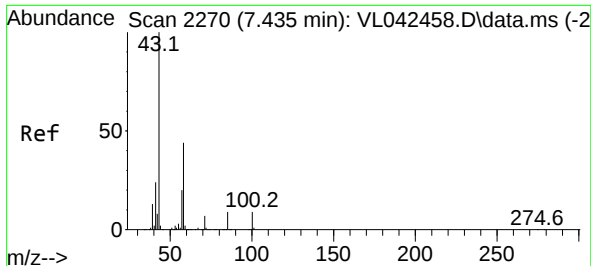
Tgt Ion: 43 Resp: 183038

Ion Ratio Lower Upper

43 100

58 35.5 29.5 44.3

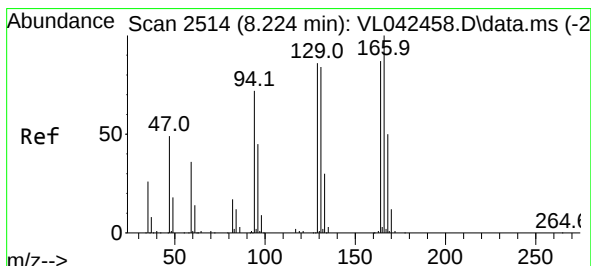
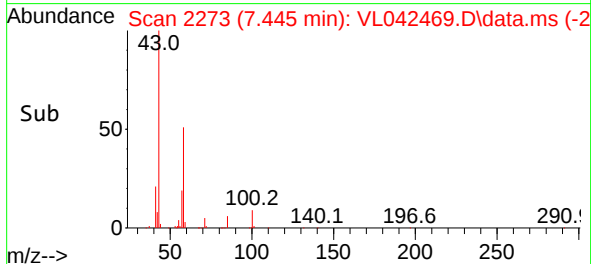
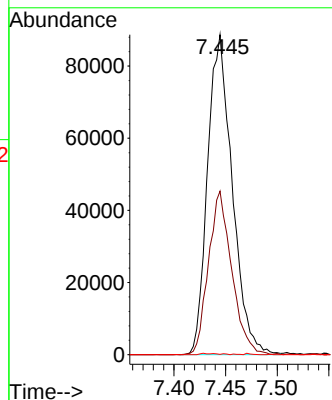
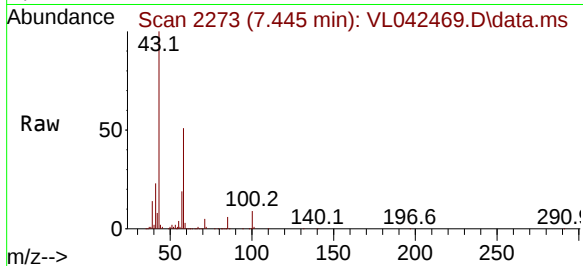




#51
2-Hexanone
Concen: 9.703 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

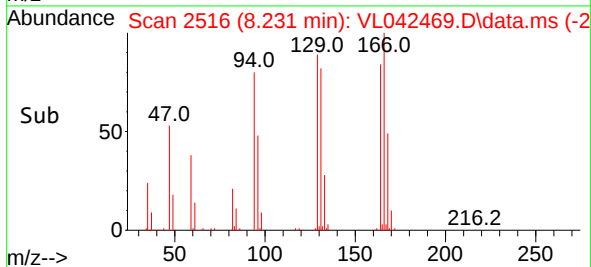
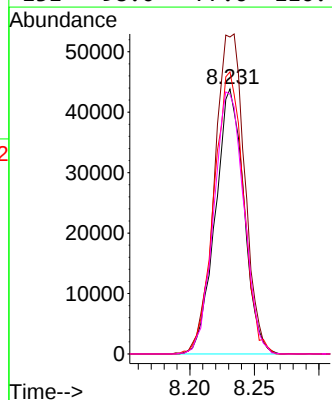
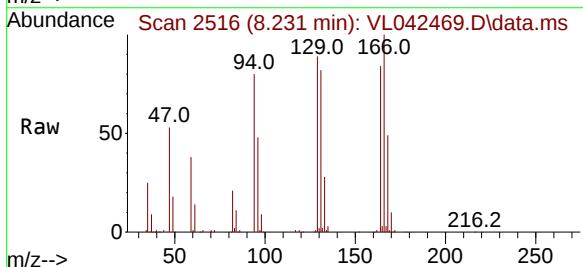
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

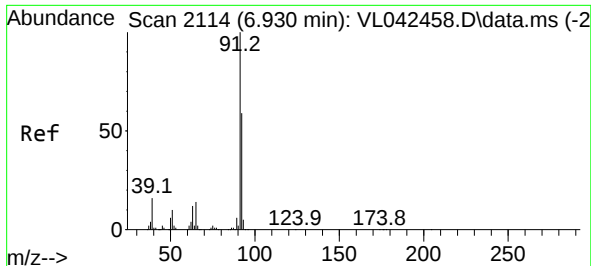
Tgt Ion: 43 Resp: 147526
Ion Ratio Lower Upper
43 100
58 48.3 37.2 55.8
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.038 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.007 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion: 164 Resp: 67482
Ion Ratio Lower Upper
164 100
166 119.6 91.6 137.4
129 106.5 79.0 118.4
131 98.0 77.6 116.4

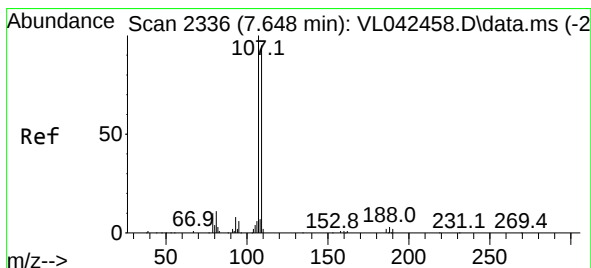
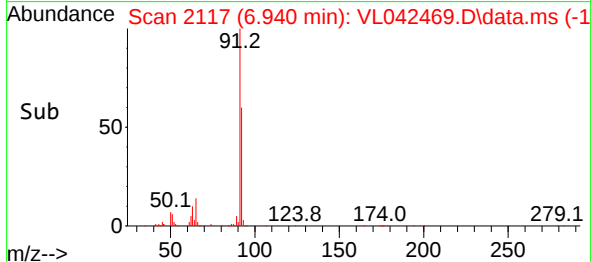
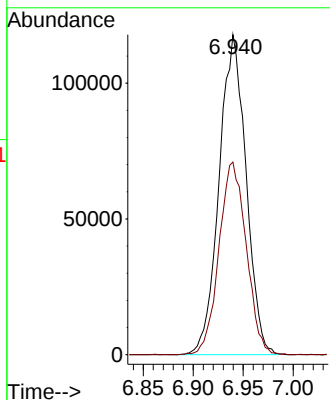
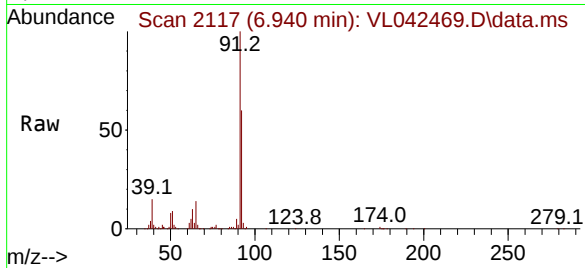




#53
Toluene
Concen: 10.638 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.010 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

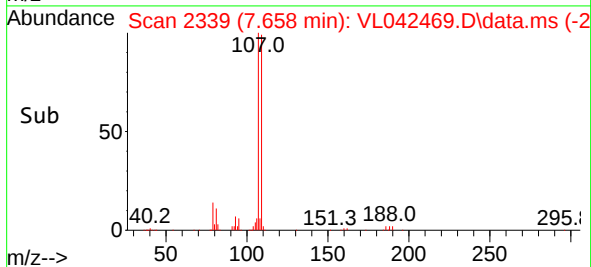
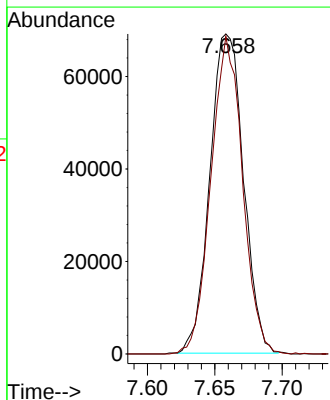
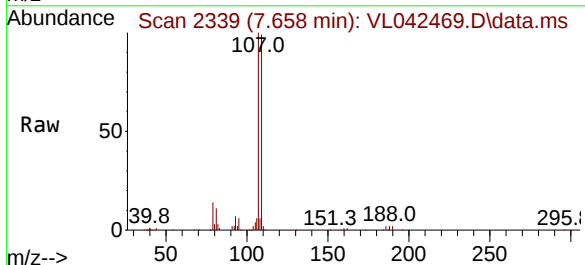
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

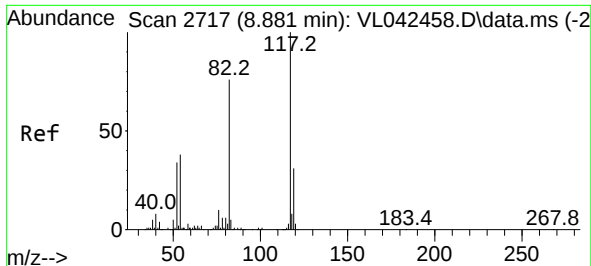
Tgt Ion: 91 Resp: 220871
Ion Ratio Lower Upper
91 100
92 61.0 47.9 71.9



#54
1,2-Dibromoethane
Concen: 9.739 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.010 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion: 107 Resp: 119914
Ion Ratio Lower Upper
107 100
109 98.9 76.0 114.0

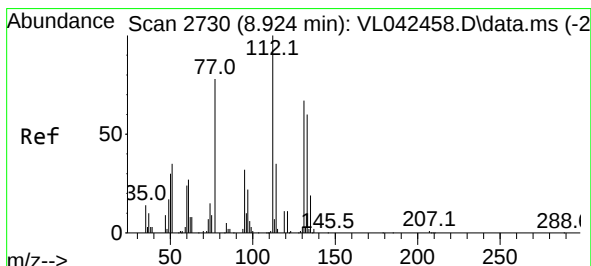
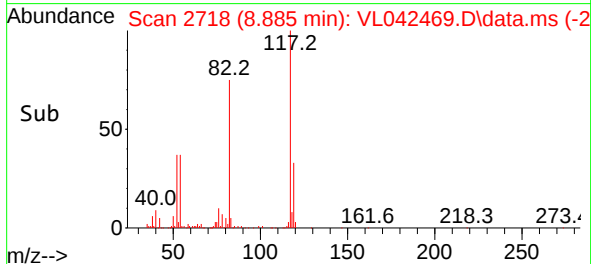
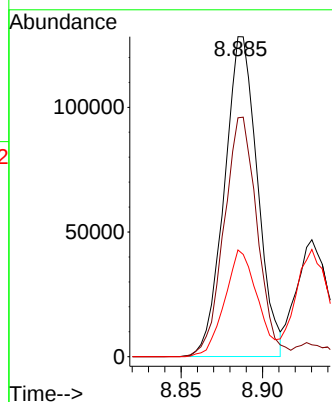
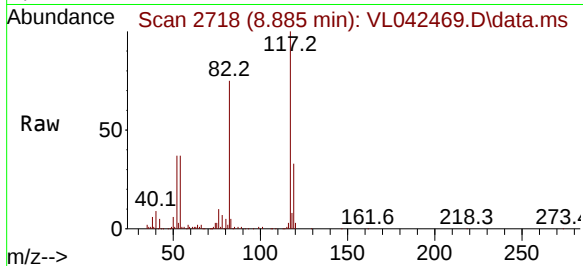




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2717
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

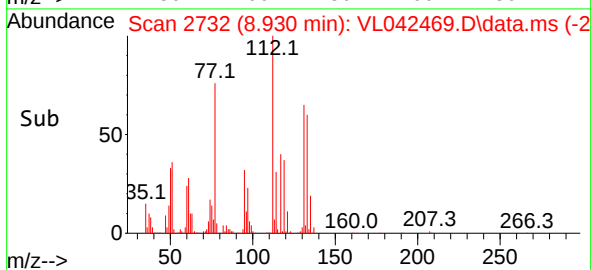
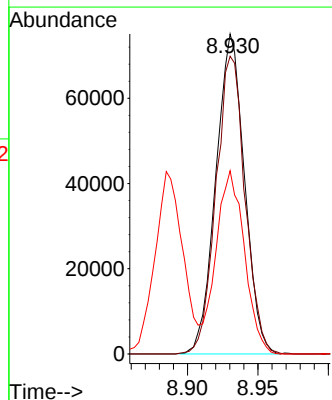
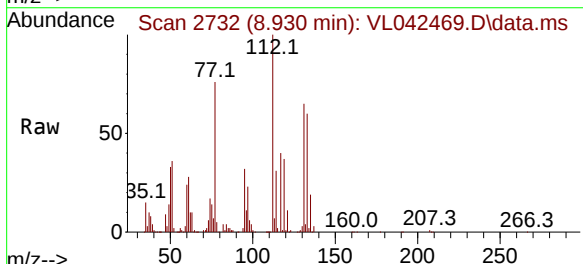
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

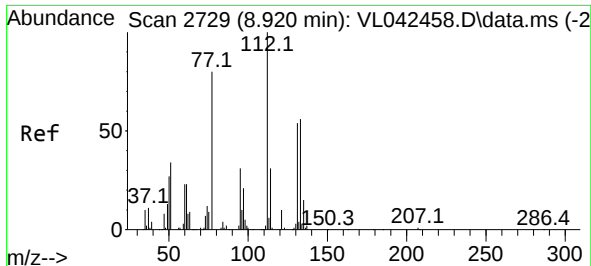
Tgt Ion:117 Resp: 180939
Ion Ratio Lower Upper
117 100
82 79.1 63.5 95.3
119 33.6 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 9.942 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.007 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion:131 Resp: 106249
Ion Ratio Lower Upper
131 100
133 94.4 76.0 114.0
119 56.0 46.1 69.1





#57

Chlorobenzene

Concen: 9.284 ppbv

RT: 8.927 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

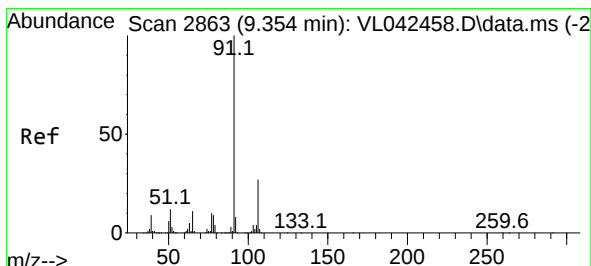
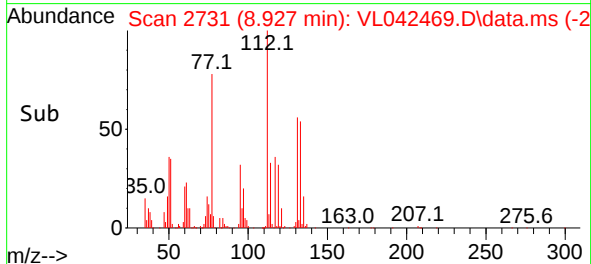
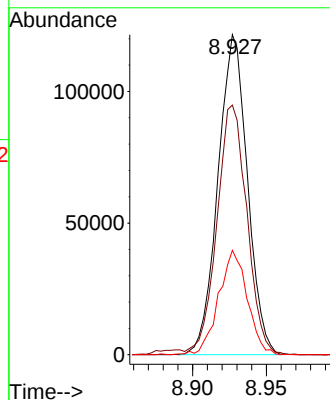
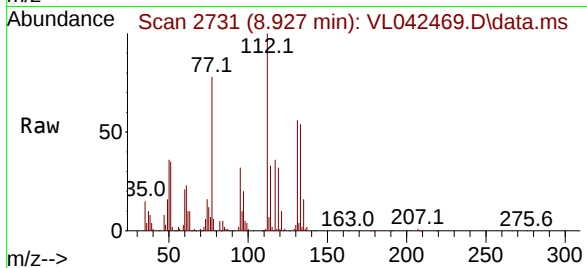
Tgt Ion:112 Resp: 168792

Ion Ratio Lower Upper

112 100

77 77.3 65.0 97.4

114 32.6 27.5 33.7



#58

Ethyl Benzene

Concen: 10.487 ppbv

RT: 9.361 min Scan# 2865

Delta R.T. 0.007 min

Lab File: VL042469.D

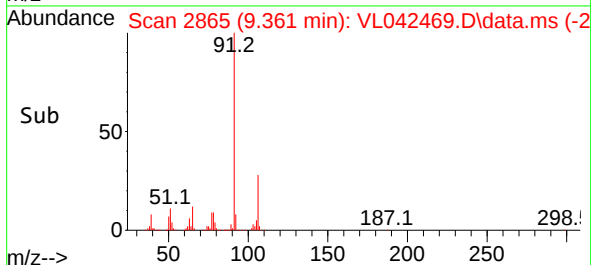
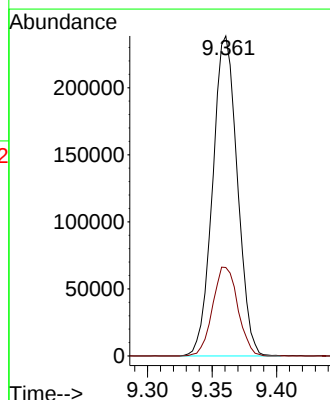
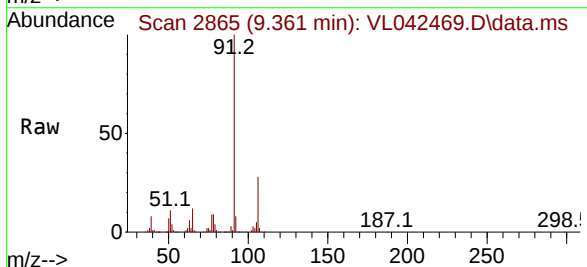
Acq: 05 May 2025 08:29

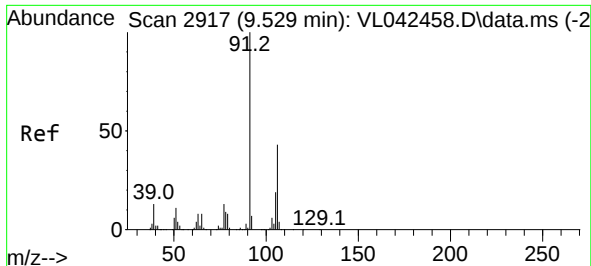
Tgt Ion: 91 Resp: 317094

Ion Ratio Lower Upper

91 100

106 27.6 21.9 32.9





#59

m/p-Xylene

Concen: 10.482 ppbv

RT: 9.535 min Scan# 2917

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_L

ClientSampleId :

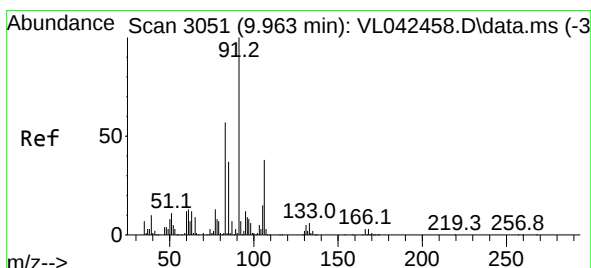
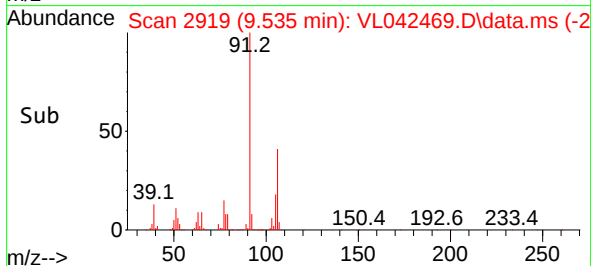
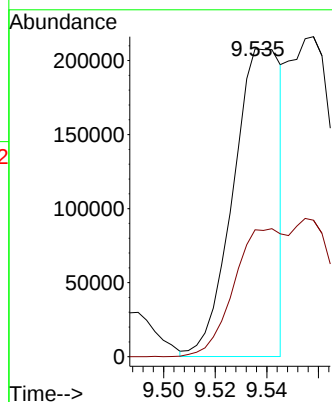
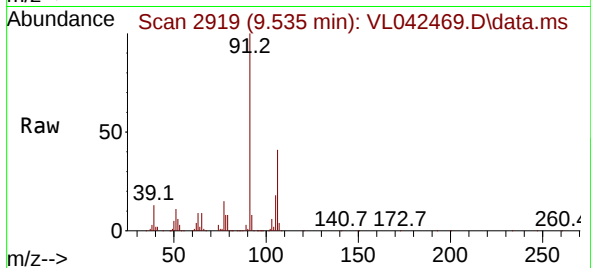
VSTDCCC010

Tgt Ion: 91 Resp: 265713

Ion Ratio Lower Upper

91 100

106 0.0 34.2 51.2#



#60

o-Xylene

Concen: 10.552 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.007 min

Lab File: VL042469.D

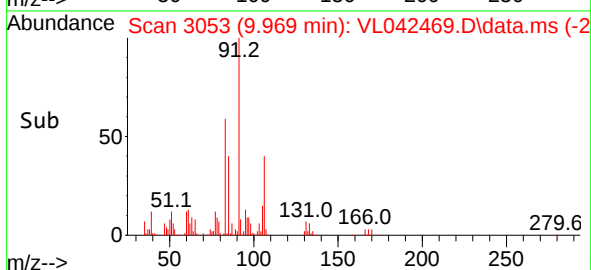
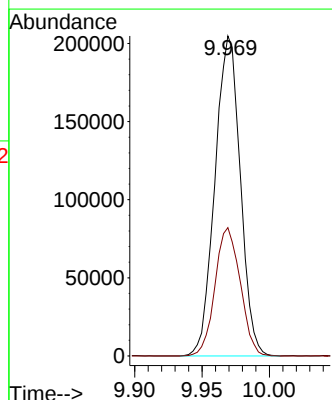
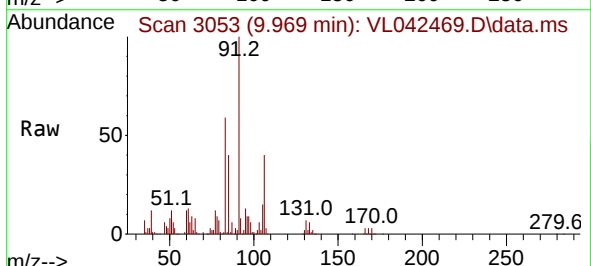
Acq: 05 May 2025 08:29

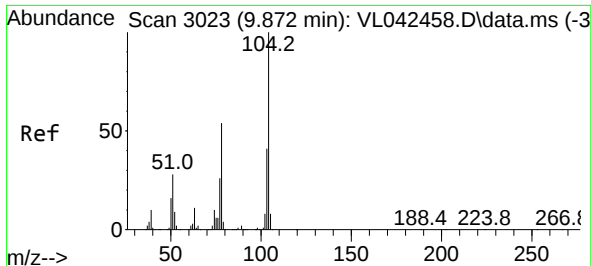
Tgt Ion: 91 Resp: 267806

Ion Ratio Lower Upper

91 100

106 39.9 20.1 60.2

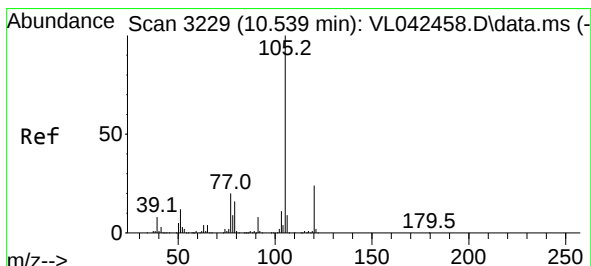
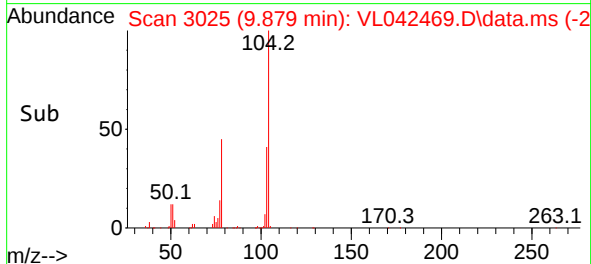
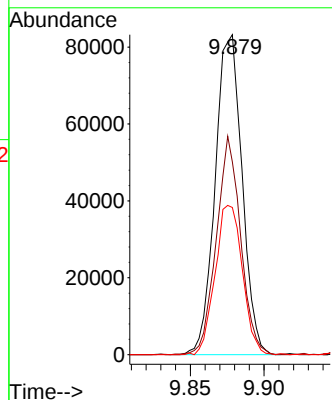
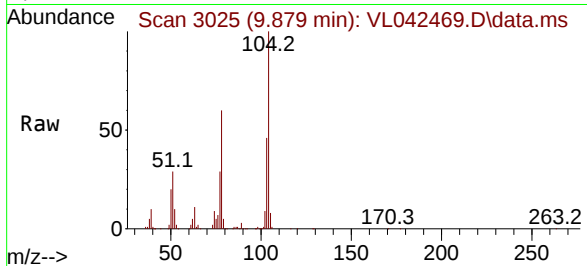




#61
Styrene
Concen: 11.160 ppbv
RT: 9.879 min Scan# 3023
Delta R.T. 0.007 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

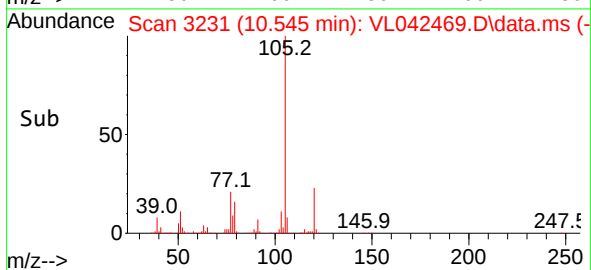
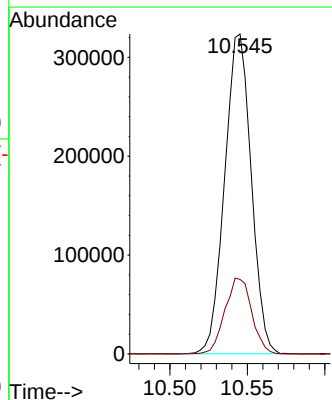
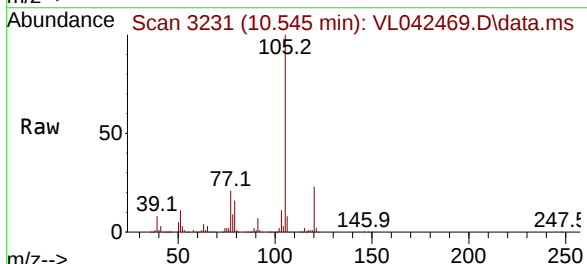
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

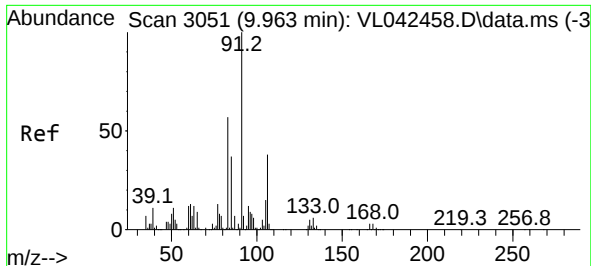
Tgt Ion:104 Resp: 105698
Ion Ratio Lower Upper
104 100
78 61.7 46.9 70.3
103 47.3 36.6 55.0



#62
Isopropylbenzene
Concen: 10.538 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.007 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion:105 Resp: 385788
Ion Ratio Lower Upper
105 100
120 24.1 18.8 28.2





#63

1,1,2,2-Tetrachloroethane

Concen: 9.137 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

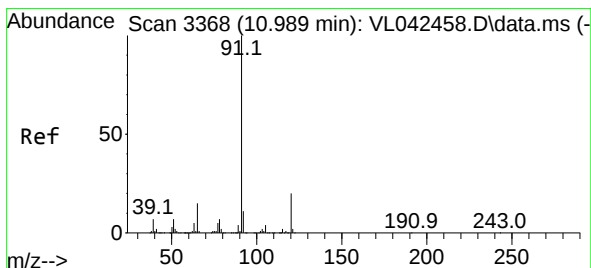
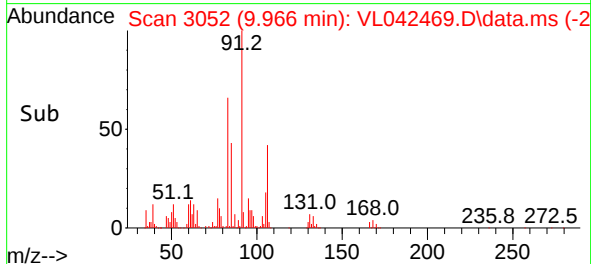
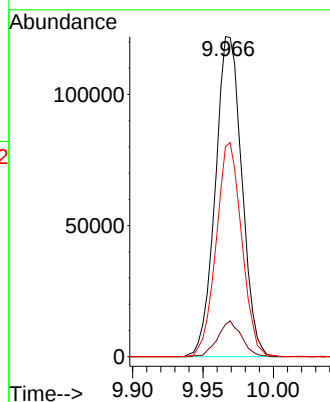
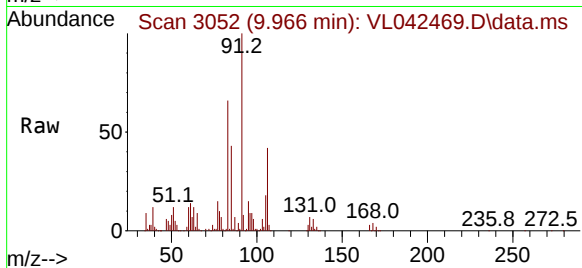
Tgt Ion: 83 Resp: 159883

Ion Ratio Lower Upper

83 100

131 10.1 4.7 14.1

85 64.6 32.5 97.4



#64

n-propylbenzene

Concen: 10.429 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.003 min

Lab File: VL042469.D

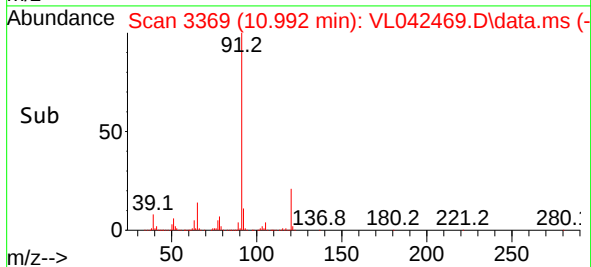
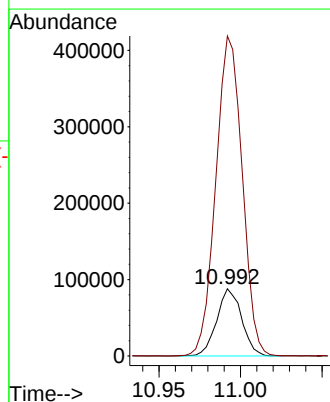
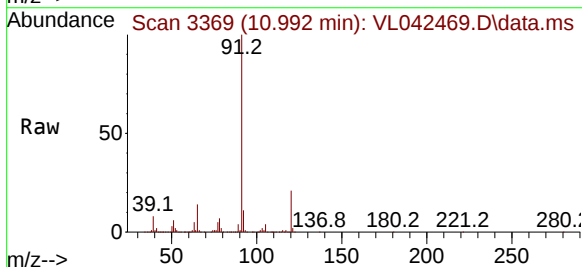
Acq: 05 May 2025 08:29

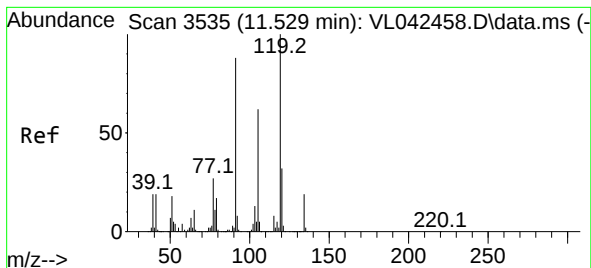
Tgt Ion: 120 Resp: 93317

Ion Ratio Lower Upper

120 100

91 505.8 408.6 612.8





#65

tert-Butylbenzene

Concen: 10.684 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

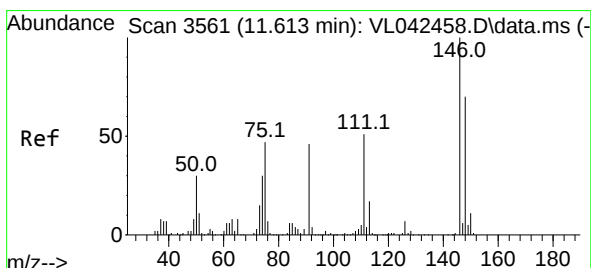
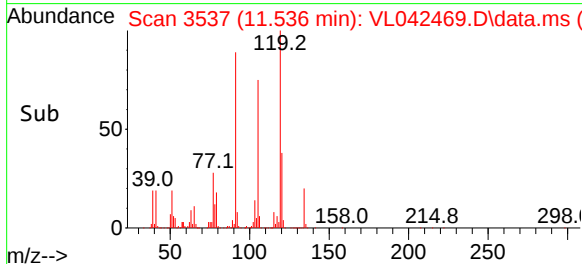
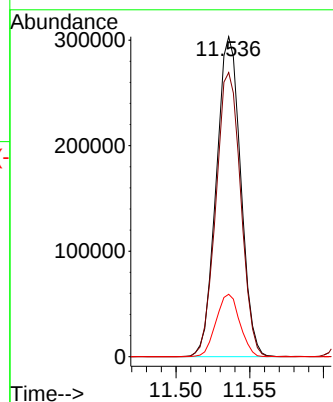
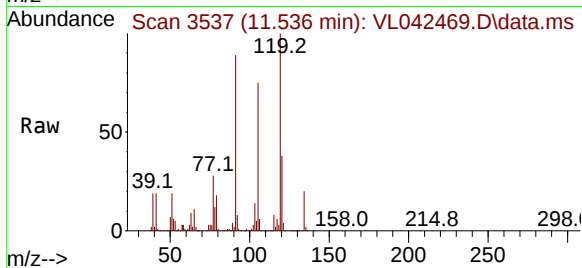
Tgt Ion:119 Resp: 349071

Ion Ratio Lower Upper

119 100

91 90.3 71.6 107.4

134 18.9 15.0 22.4



#66

Benzyl Chloride

Concen: 13.257 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

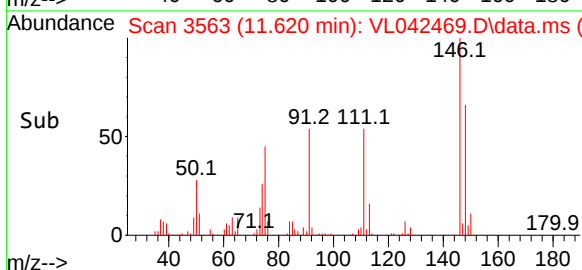
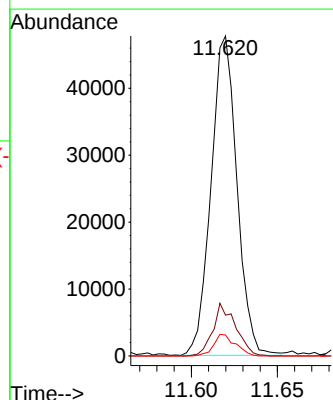
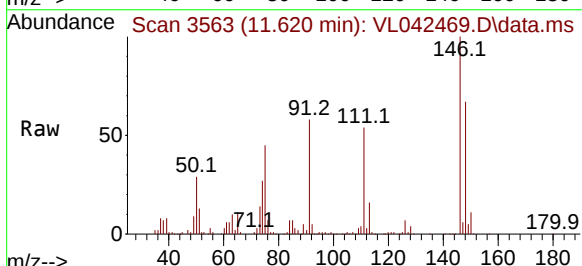
Tgt Ion: 91 Resp: 50060

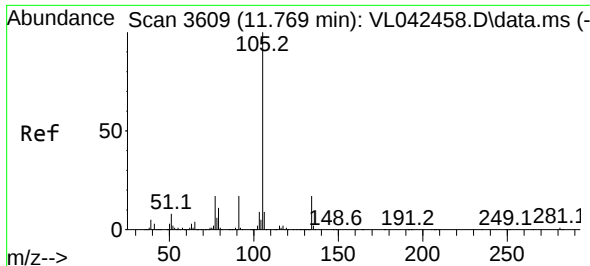
Ion Ratio Lower Upper

91 100

126 14.4 13.3 19.9

128 5.6 4.2 6.4

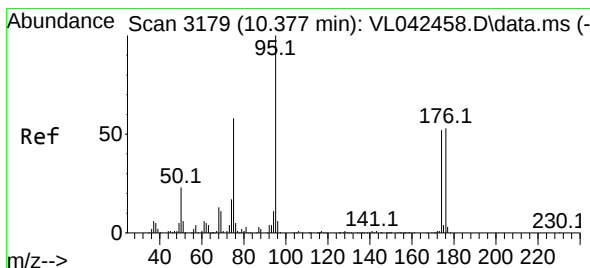
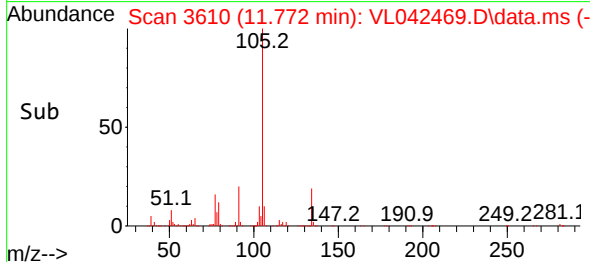
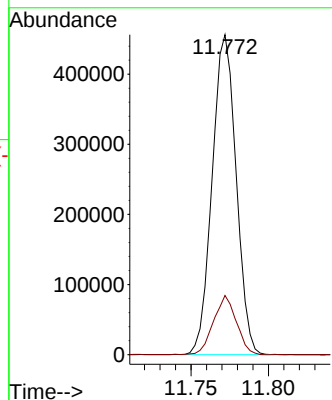
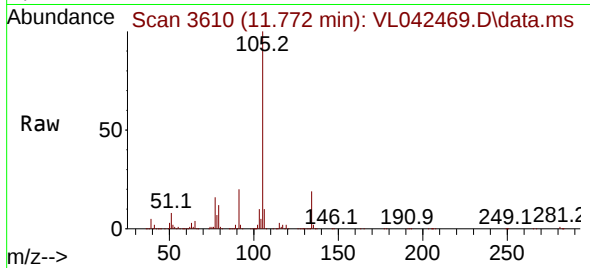




#67
 sec-Butylbenzene
 Concen: 10.568 ppbv
 RT: 11.772 min Scan# 310
 Delta R.T. 0.003 min
 Lab File: VL042469.D
 Acq: 05 May 2025 08:29

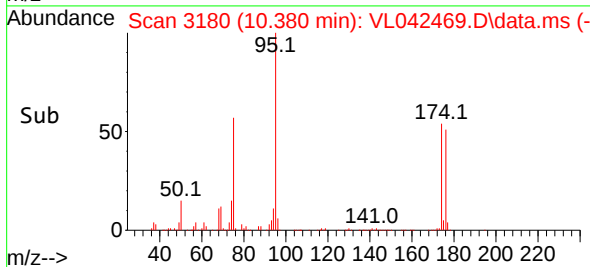
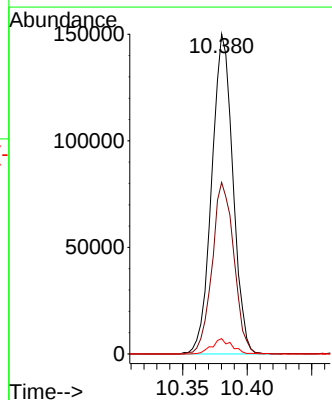
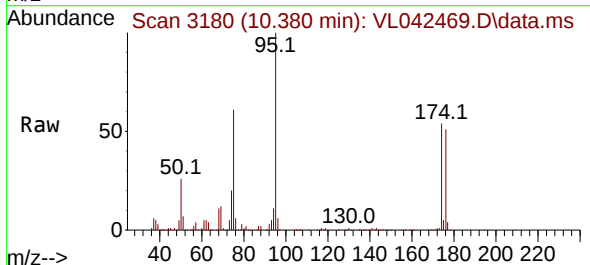
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

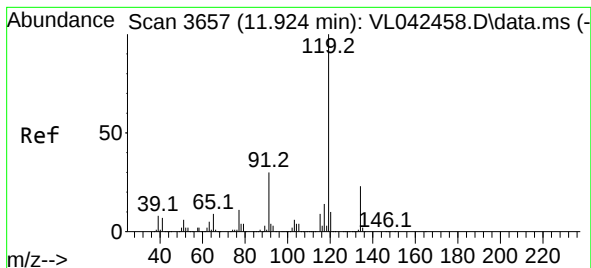
Tgt Ion:105 Resp: 490679
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.212 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.003 min
 Lab File: VL042469.D
 Acq: 05 May 2025 08:29

Tgt Ion: 95 Resp: 171319
 Ion Ratio Lower Upper
 95 100
 174 55.4 42.7 64.1
 175 4.6 3.6 5.4





#69

p-Isopropyltoluene

Concen: 10.663 ppbv

RT: 11.931 min Scan# 3659

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

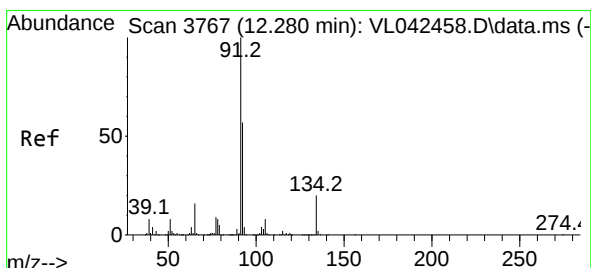
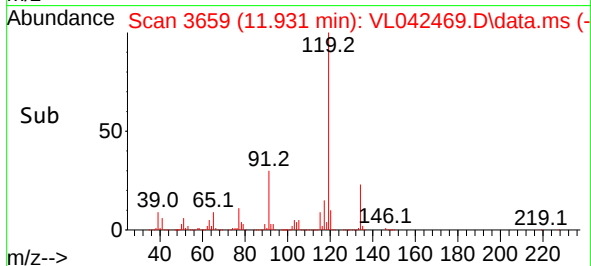
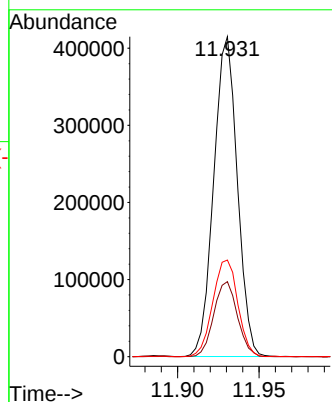
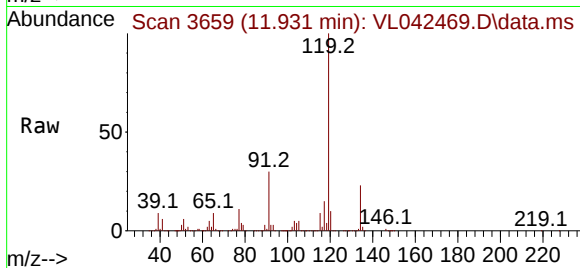
Tgt Ion:119 Resp: 417116

Ion Ratio Lower Upper

119 100

134 23.6 19.0 28.4

91 32.4 25.5 38.3



#70

n-Butylbenzene

Concen: 10.561 ppbv

RT: 12.287 min Scan# 3769

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

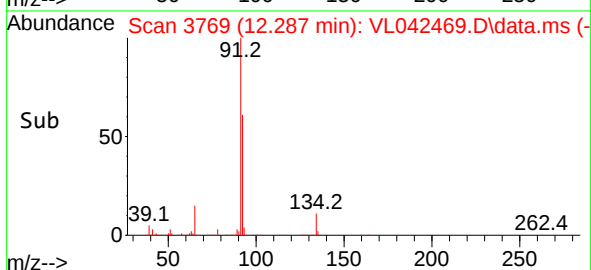
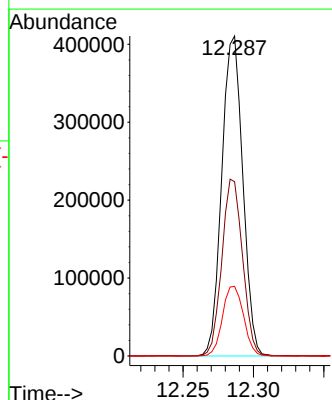
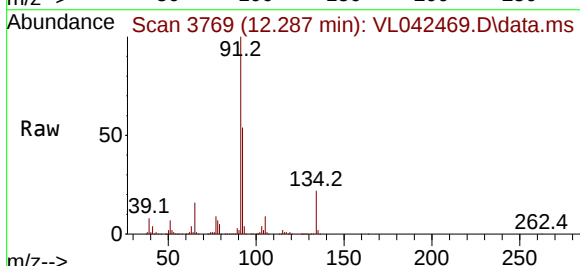
Tgt Ion: 91 Resp: 427083

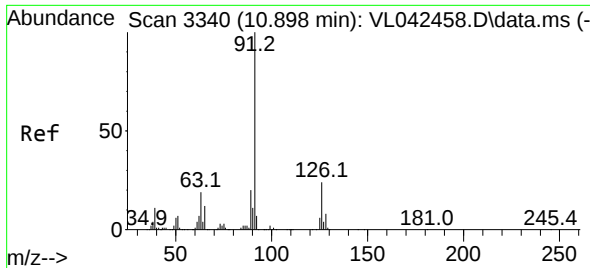
Ion Ratio Lower Upper

91 100

92 54.5 44.0 66.0

134 21.8 16.8 25.2

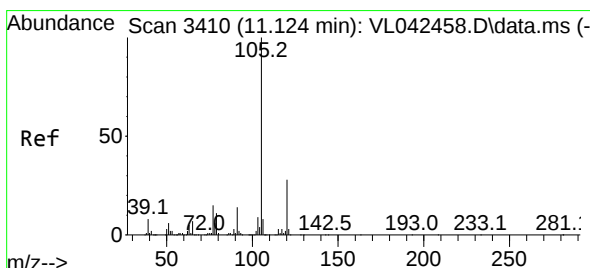
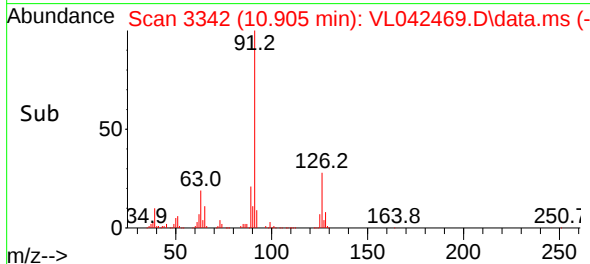
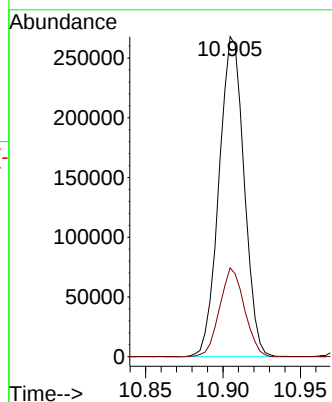
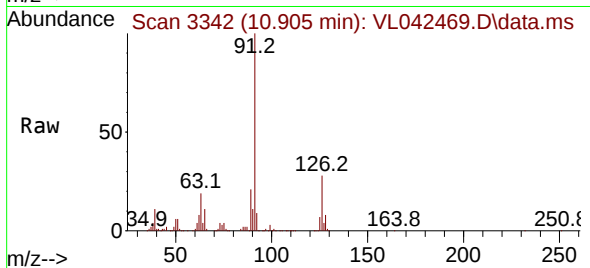




#71
2-Chlorotoluene
Concen: 10.504 ppbv
RT: 10.905 min Scan# 311
Delta R.T. 0.007 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

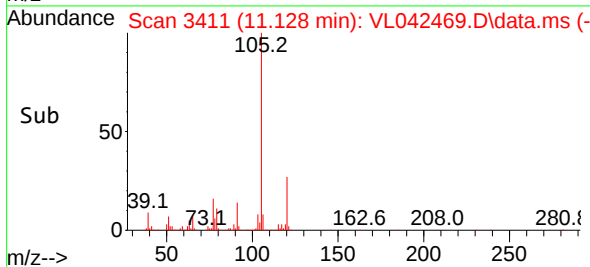
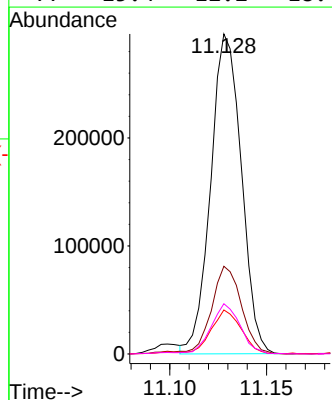
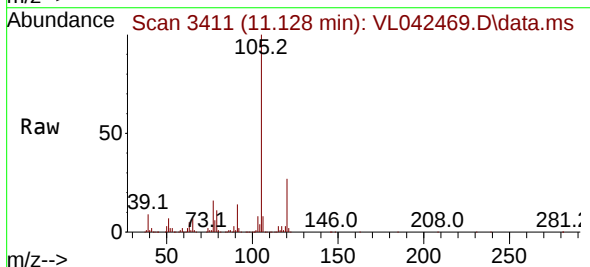
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

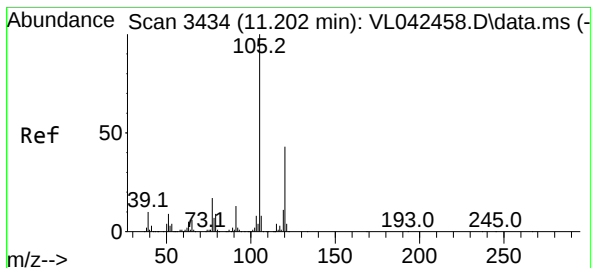
Tgt Ion: 91 Resp: 301623
Ion Ratio Lower Upper
91 100
126 27.3 10.6 42.2



#72
4-Ethyltoluene
Concen: 10.905 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion: 105 Resp: 326323
Ion Ratio Lower Upper
105 100
120 27.3 22.0 33.0
91 14.3 11.2 16.8
77 15.4 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 10.791 ppbv

RT: 11.209 min Scan# 34

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_1

ClientSampleId :

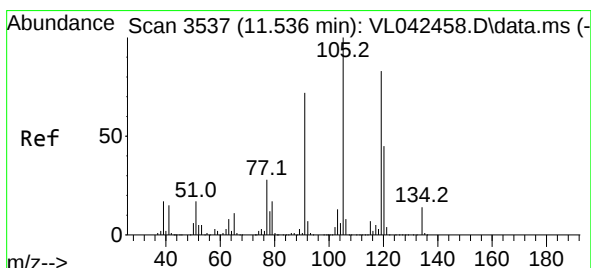
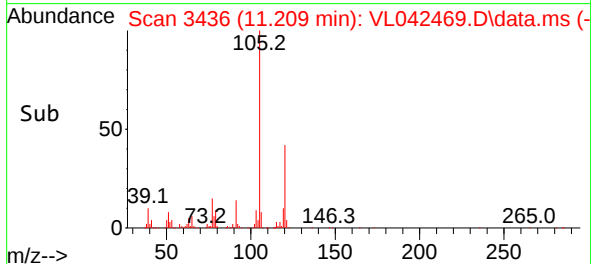
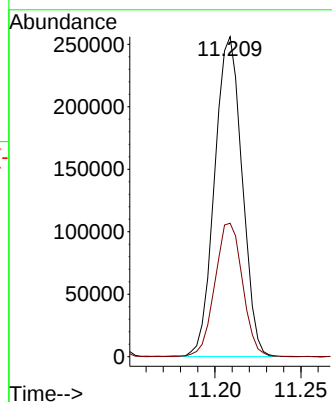
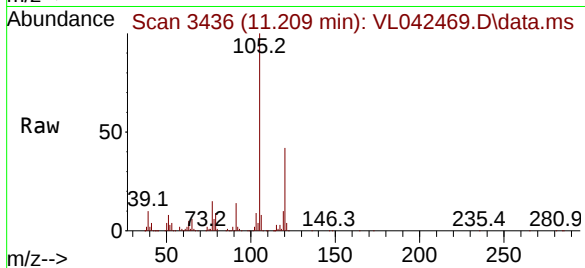
VSTDCCC010

Tgt Ion:105 Resp: 283998

Ion Ratio Lower Upper

105 100

120 41.6 34.4 51.6



#74

1,2,4-Trimethylbenzene

Concen: 10.056 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Tgt Ion:105 Resp: 320216

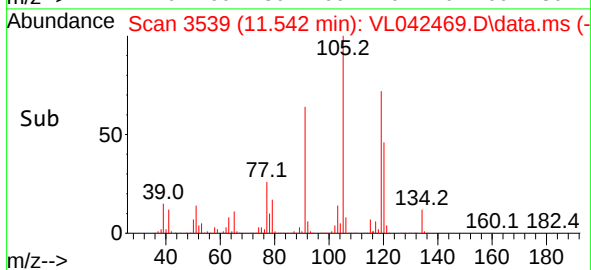
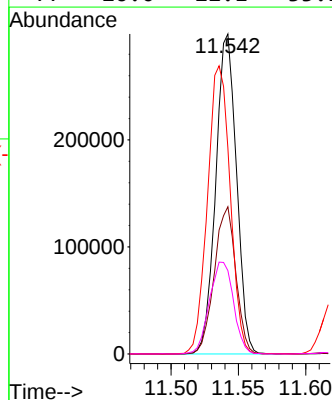
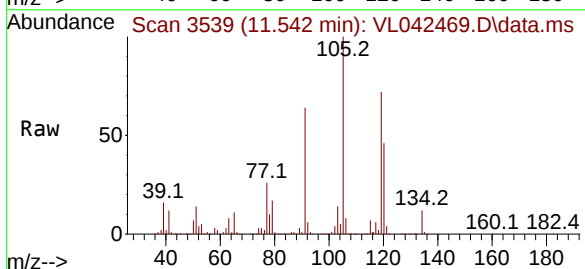
Ion Ratio Lower Upper

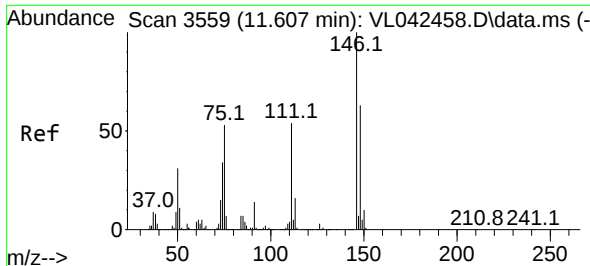
105 100

120 46.0 36.1 54.1

91 64.3 57.6 86.4

77 26.0 22.1 33.1

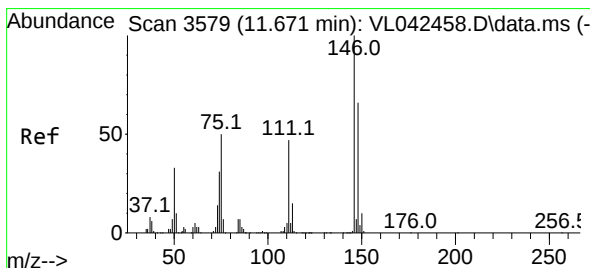
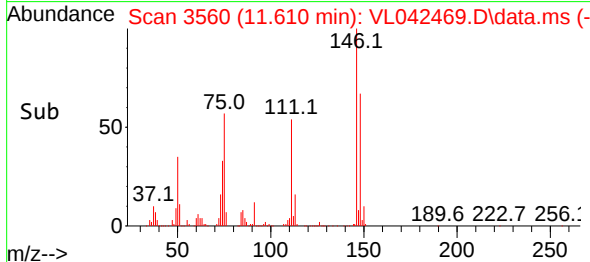
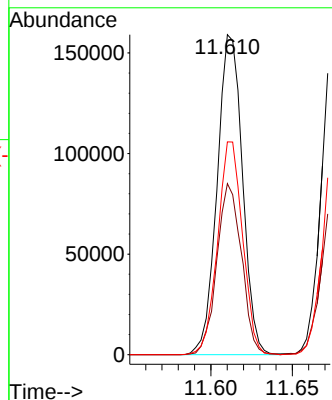
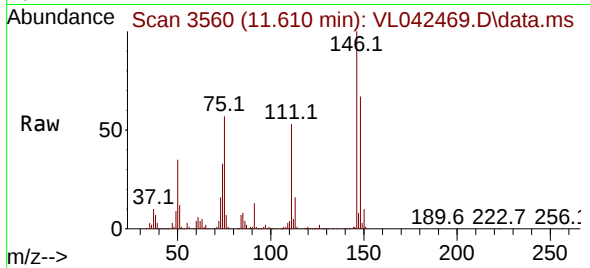




#75
1,3-Dichlorobenzene
Concen: 9.693 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

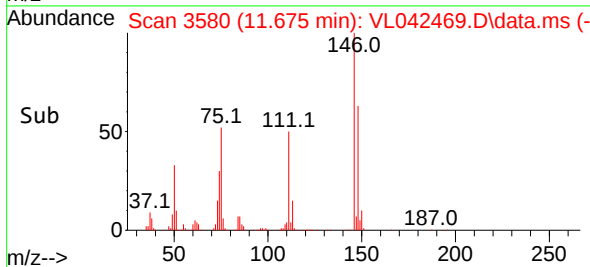
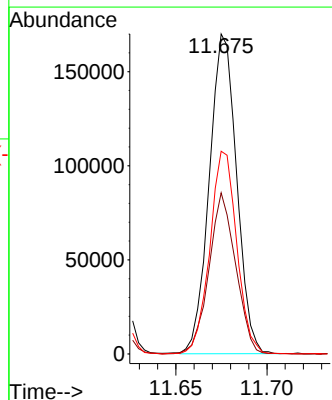
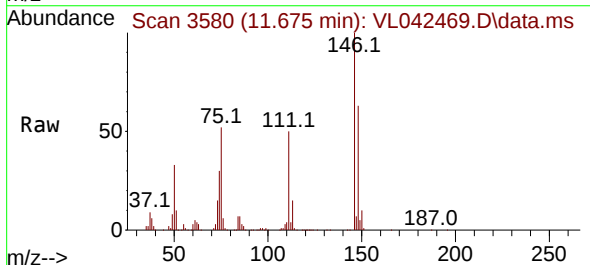
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

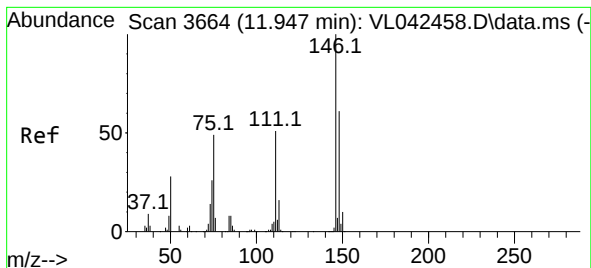
Tgt Ion:146 Resp: 171827
Ion Ratio Lower Upper
146 100
111 52.0 26.1 78.3
148 65.5 32.0 96.0



#76
1,4-Dichlorobenzene
Concen: 10.566 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion:146 Resp: 177262
Ion Ratio Lower Upper
146 100
111 49.3 24.4 73.2
148 62.5 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 9.660 ppbv

RT: 11.950 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

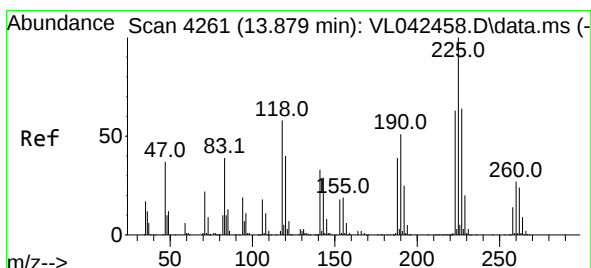
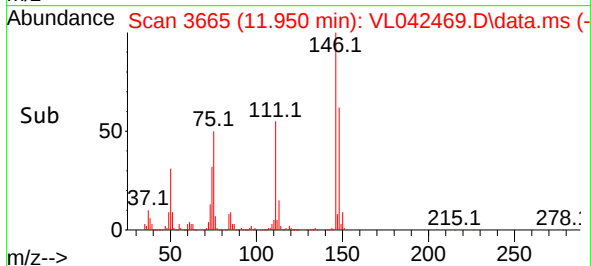
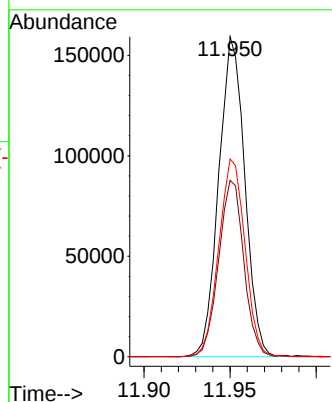
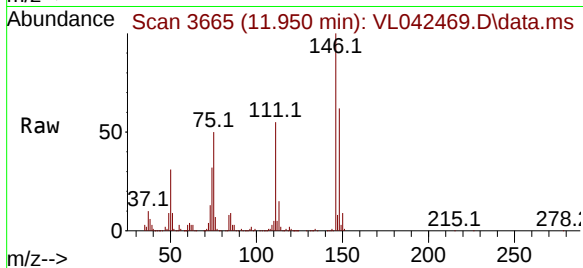
Tgt Ion:146 Resp: 167623

Ion Ratio Lower Upper

146 100

111 53.5 26.5 79.5

148 62.3 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 8.913 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.007 min

Lab File: VL042469.D

Acq: 05 May 2025 08:29

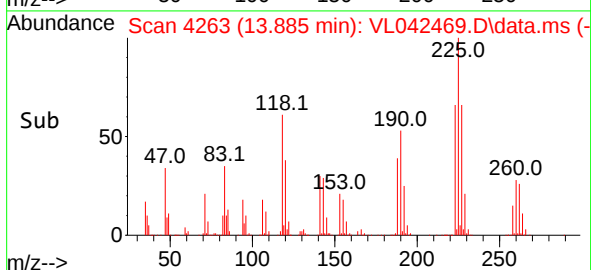
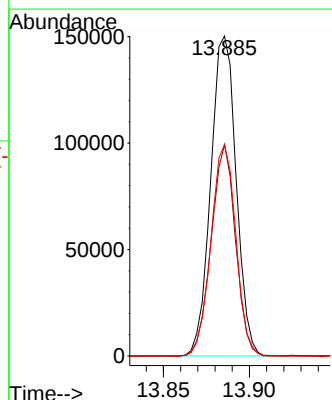
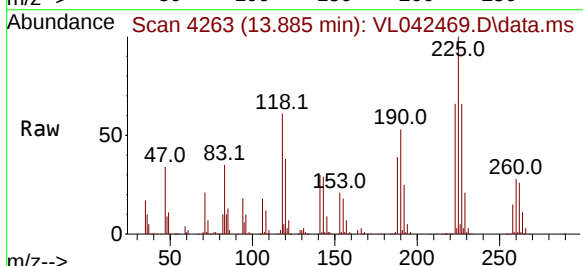
Tgt Ion:225 Resp: 154431

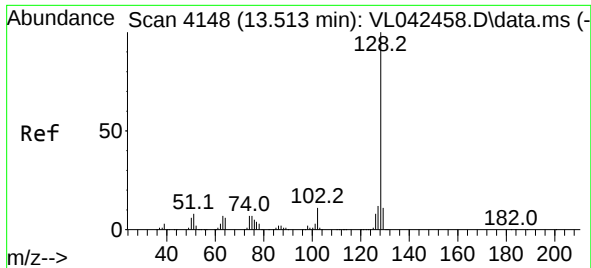
Ion Ratio Lower Upper

225 100

223 62.9 50.2 75.4

227 64.6 51.2 76.8

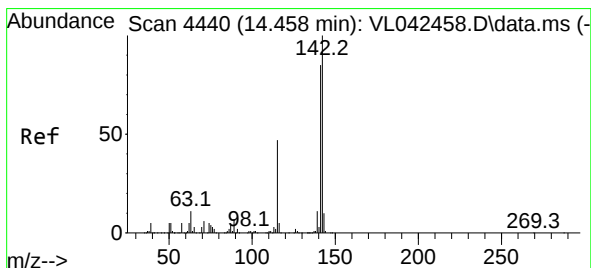
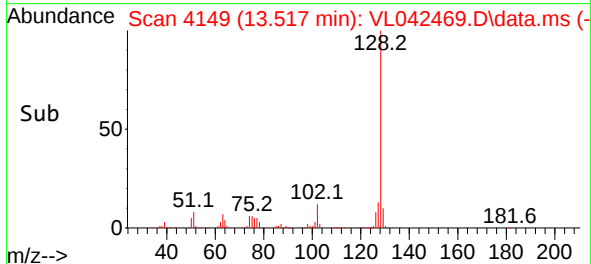
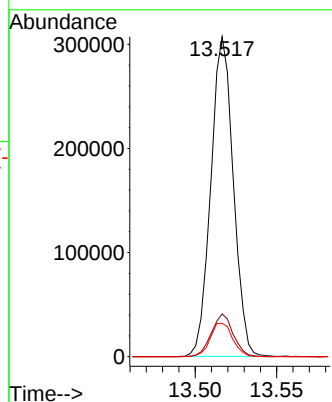
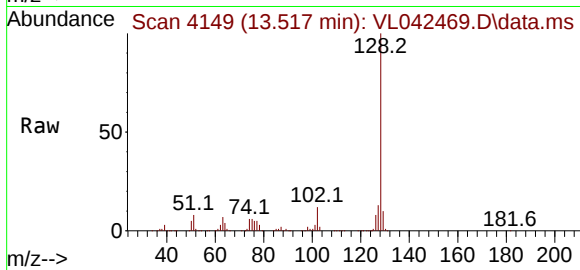




#79
Naphthalene
Concen: 10.970 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

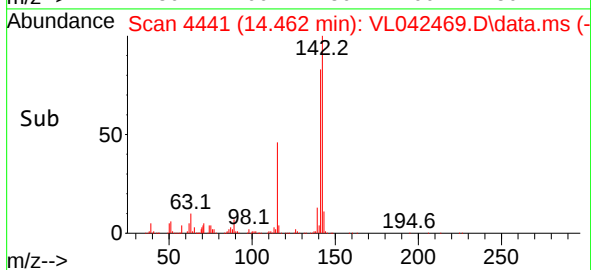
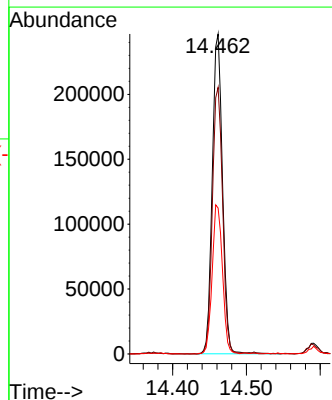
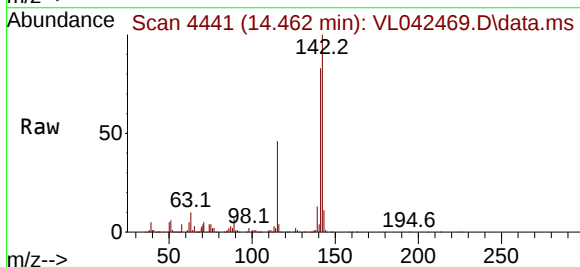
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

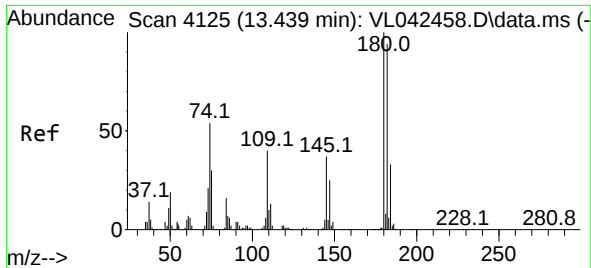
Tgt Ion:128 Resp: 294069
Ion Ratio Lower Upper
128 100
127 13.4 9.7 14.5
129 10.4 8.6 13.0



#80
Naphthalene,2-methyl-
Concen: 11.873 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.003 min
Lab File: VL042469.D
Acq: 05 May 2025 08:29

Tgt Ion:142 Resp: 236563
Ion Ratio Lower Upper
142 100
141 84.5 67.4 101.0
115 47.4 36.9 55.3





#81

1,2,4-Trichlorobenzene

Concen: 10.580 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042469.D

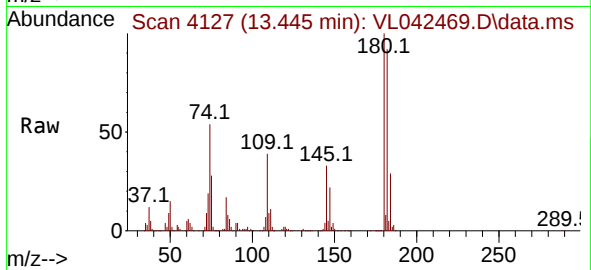
Acq: 05 May 2025 08:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 151252

Ion Ratio Lower Upper

180 100

182 93.2 74.6 111.8

184 29.8 24.9 37.3

